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Informal Report

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Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Release for the Elk City NTMS Quadrangle, Idaho/Montana, Including Concentrations of Forty-Five Additional Elements

University of California

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U. S. DEPARTMENT OF ENERGY
Assistant Secretary for Resource Applications
Grand Junction Office, Colorado

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DEPARTMENT OF ENERGY
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Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Release for the Elk City NTMS Quadrangle, Idaho/Montana, Including Concentrations of Forty-Five Additional Elements

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URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE DATA RELEASE FOR THE ELK CITY NTMS QUADRANGLE, IDAHO/MONTANA, INCLUDING CONCENTRATIONS OF FORTY-FIVE ADDITIONAL ELEMENTS

by

David E. Broxton and Michael Beyth

SUMMARY

This report contains data collected by the Los Alamos Scientific Laboratory (LASL) during a regional geochemical survey for uranium in the Elk City National Topographic Map Series (NTMS) quadrangle of west-central Idaho and southwest Montana (Fig. 1) as part of the nationwide Hydrogeochemical and Stream Sediment Reconnaissance (HSSR). The LASL is responsible for conducting the HSSR primarily in the states of New Mexico, Colorado, Wyoming, Montana, and Alaska as well as in portions of Arizona, Utah, and Idaho. The HSSR program is part of the United States Department of Energy's (DOE) National Uranium Resource Evaluation (NURE), which is designed to provide an improved estimate of the availability and economics of nuclear fuel resources and to make available to industry information for use in the development and production of uranium resources. The HSSR data ultimately will be integrated with data from airborne radiometric surveys and geological investigations to complete the entire NURE program.

Totals of 1580 water and 1720 sediment samples were collected from 1754 locations in the quadrangle. Water samples were collected from streams, springs, and wells. Sediment samples were collected from streams and springs. Histograms and statistical data for uranium concentrations in water and sediment samples and thorium concentrations in sediment samples are given in Figs. 2-4.

All samples in the Montana portion of the quadrangle were collected by a private contractor in August and September of 1976; samples in the Idaho portion of the quadrangle were collected by another contractor between July and September of 1979. Because of the extremely rugged nature of the terrain, most samples were collected on foot, horseback, or from rafts along the major stream courses. Major forest fires in the summer of 1979 prevented complete sample coverage in some parts of the quadrangle (e.g., Middle Fork of the Salmon River) but, in general, samples were collected at a nominal density of one location per 10 km^2.

Elemental concentration, field measurement, weather, geologic, and geographic data for each sample location are listed for waters in Appendix I-A and for sediments in Appendix I-B. Uranium/thorium ratios for sediment samples are also included in Appendix I-B. The data presented in Appendix I are also available on magnetic tape from GJOIS Project, Union Carbide Corporation (UCC-ND), 4500 North Building, Oak Ridge National Laboratory, P. O. Box X, Oak Ridge, Tennessee 37830. Appendix II describes standard LASL HSSR field and

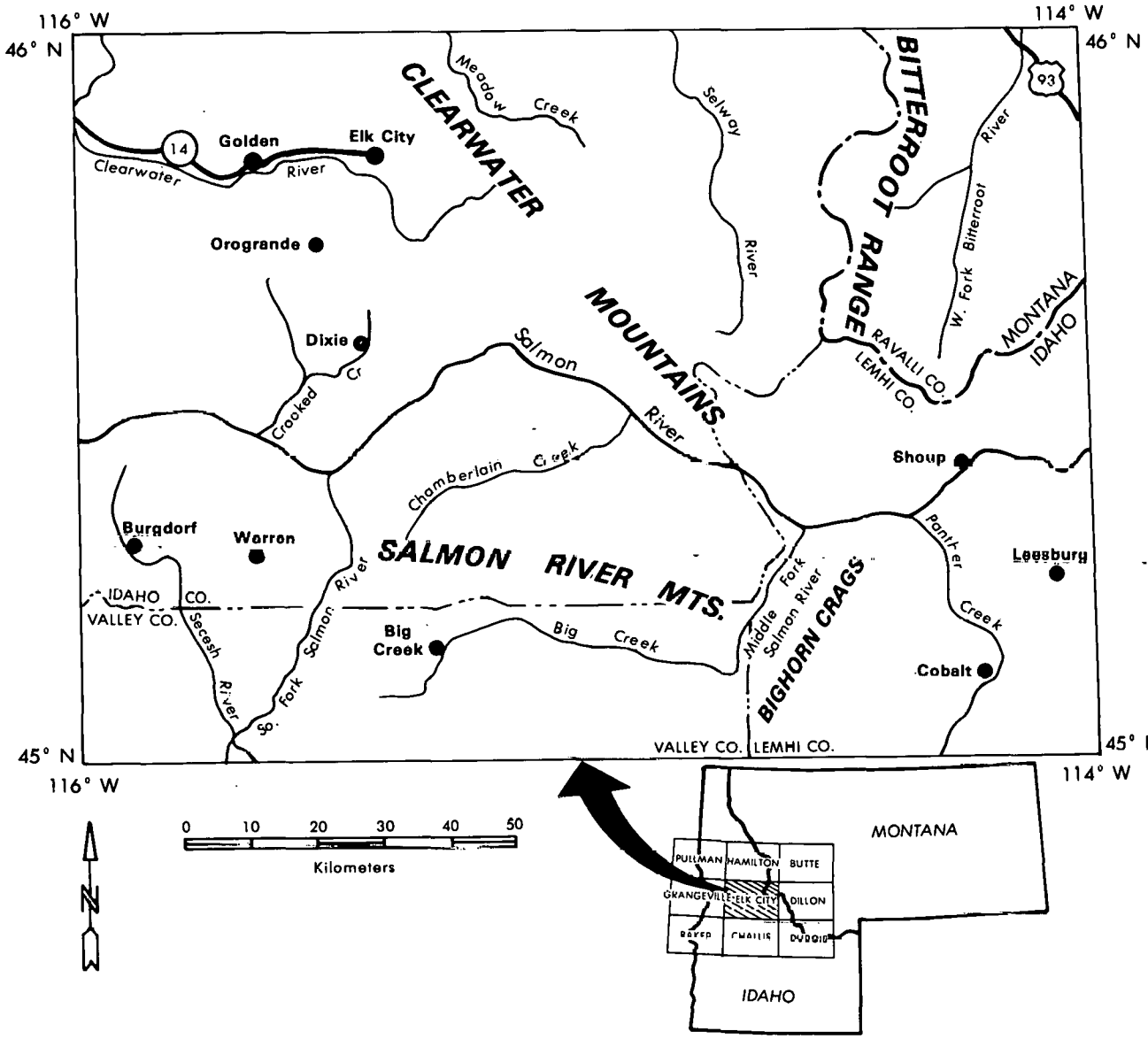
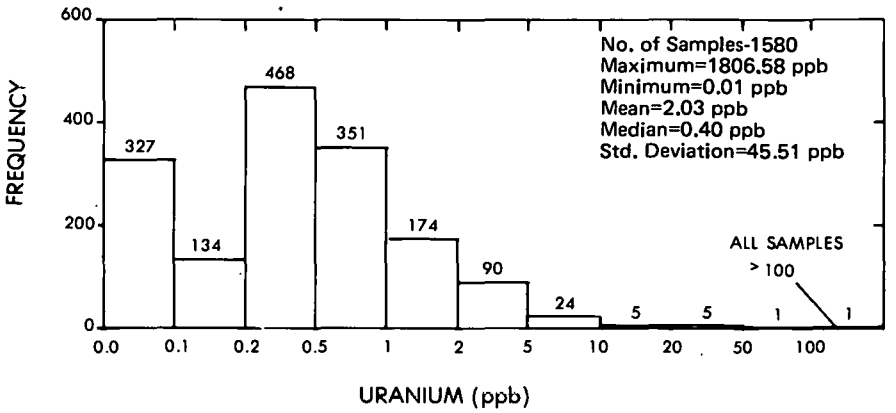


Fig. 1. Location map for the Elk City NTMS quadrangle, Idaho/Montana.

analytical procedures and explains the codes used in Appendix I. Cumulative frequency plots for 40 elements in sediment samples are presented in Appendix III.

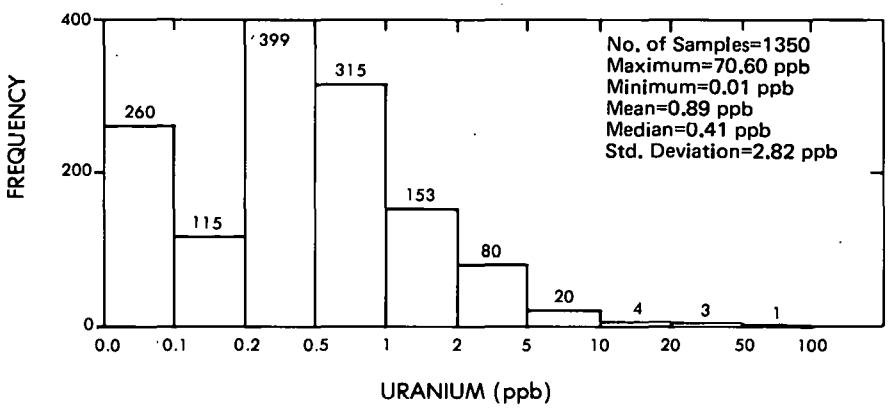
The rear pocket of this report contains a geologic map (Plate I), sample location overlay (Plate II), uranium concentration overlay for waters (Plate III), conductivity overlay for waters (Plate IV), uranium concentration overlay for sediments (Plate V), and thorium concentration overlay for sediments (Plate VI). All plates are 1:250 000 scale for use in conjunction with the Elk City NTMS quadrangle sheet (US Geological Survey, 1956).

Additional HSSR data are available for the adjacent quadrangles: Hamilton (Aamodt, 1978), Challis (Thayer and Cook, 1980), Dillon (Broxton

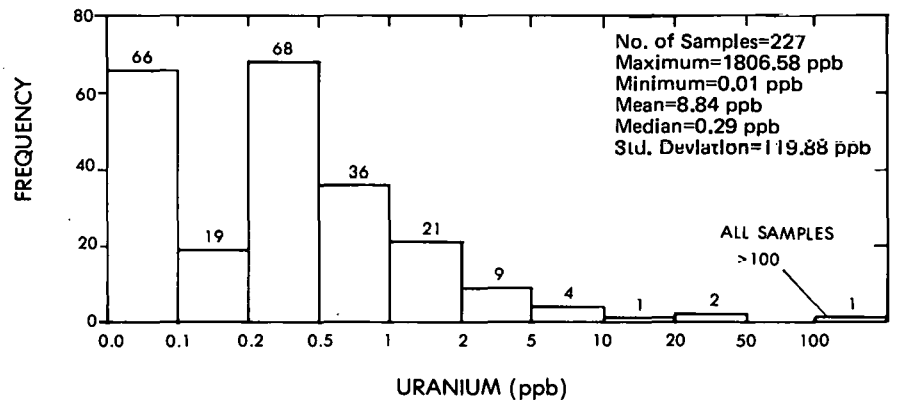


a. All waters *

* The 0 well waters are included on this histogram only.

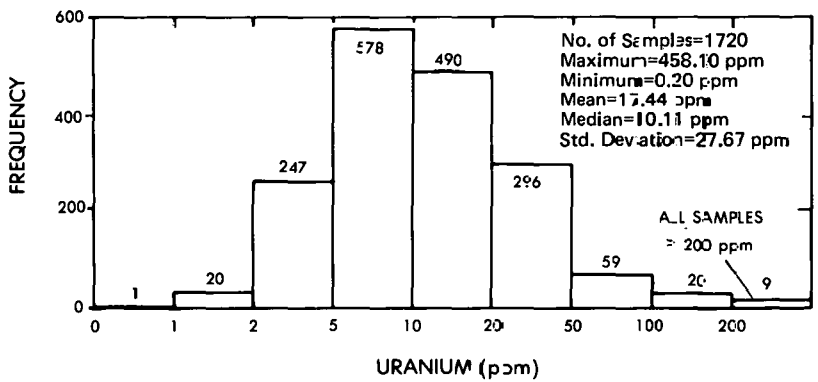


b. Stream waters



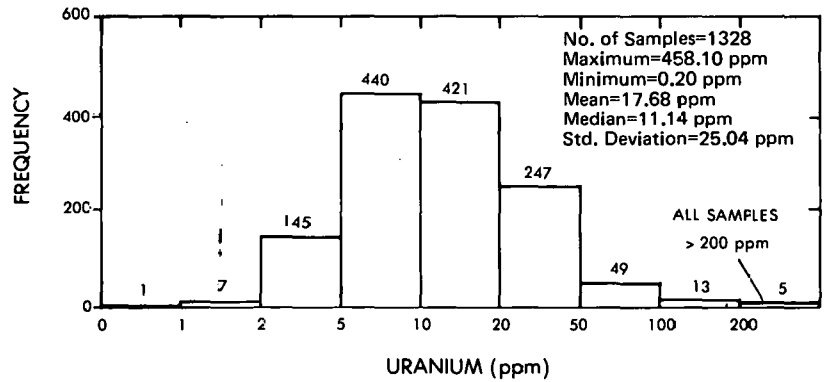
c. Spring waters

Fig. 2. Semilogarithmic histograms and statistical data for uranium concentrations in water samples from the Elk City quadrangle, Idaho/Montana.

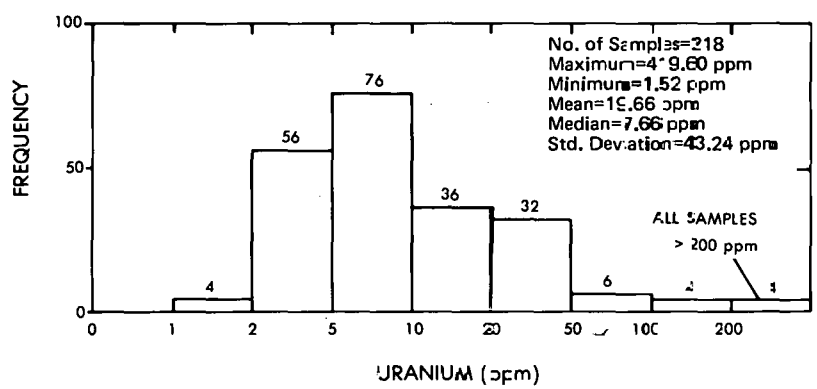


a. All sediments*

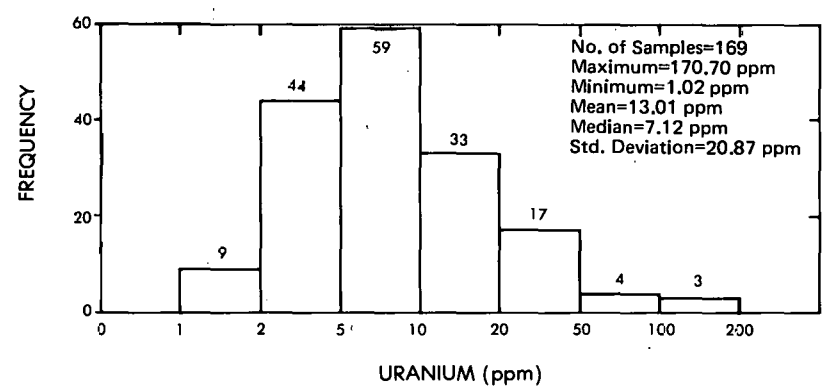
* The 5 dry spring sediments are included on this histogram only



b. Wet stream sediments

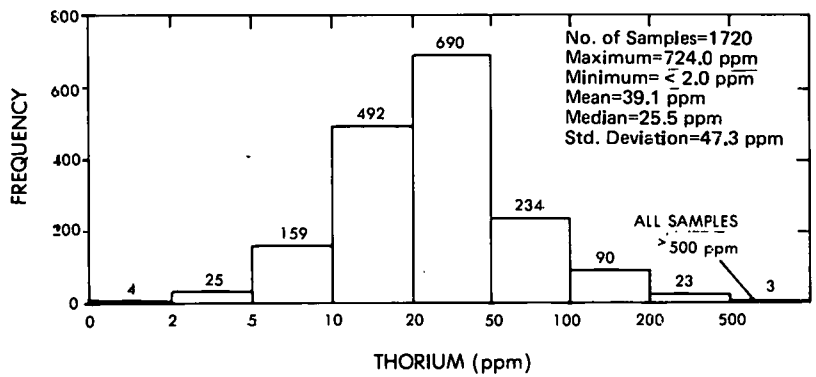


c. Spring sediments



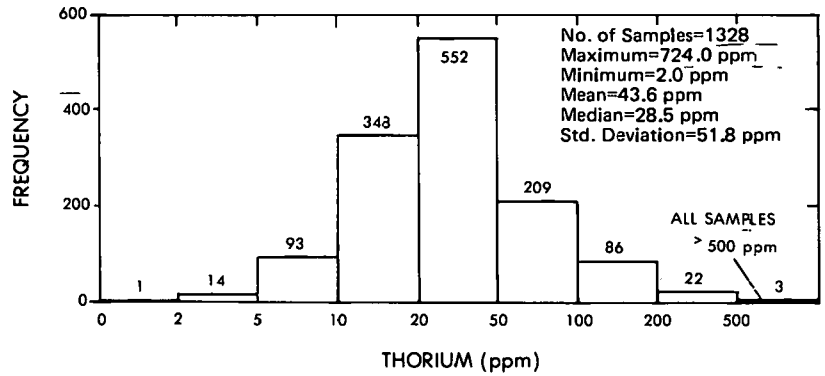
d. Dry stream sediments

Fig. 3. Semilogarithmic histograms and statistical data for uranium concentrations in sediment samples from the Elk City quadrangle, Idaho/Montana.

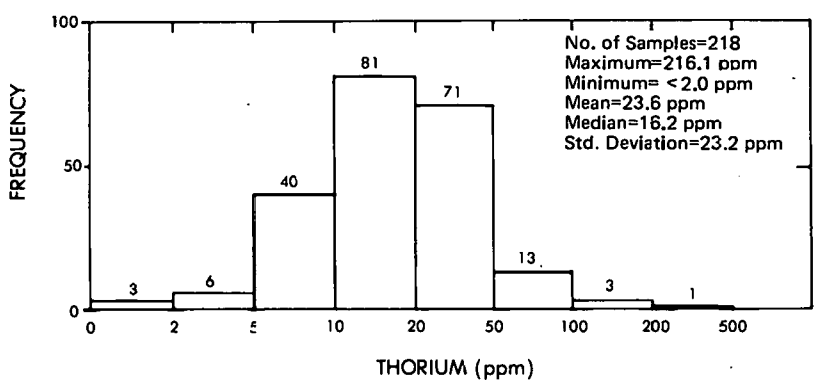


a. All sediments*

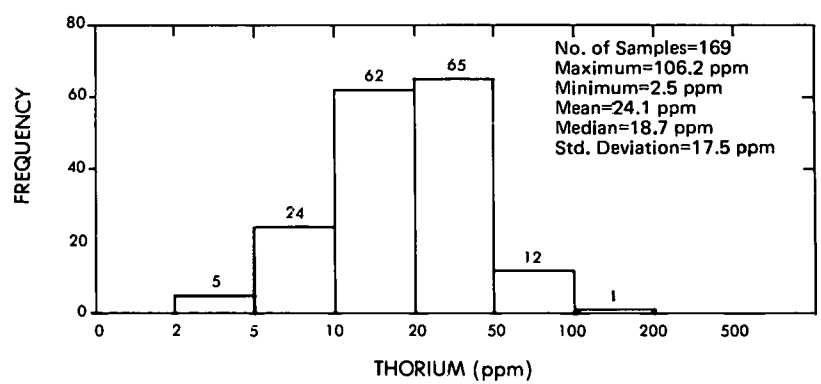
* The 5 dry spring sediments are included on this histogram only.



b. Wet stream sediments



c. Spring sediments



d. Dry stream sediments

Fig. 4. Semilogarithmic histograms and statistical data for thorium concentrations in sediment samples from the Elk City quadrangle, Idaho/Montana.

1979), and Butte (Broxton 1980). The US Geological Survey has published data from detailed geochemical surveys in the Salmon River Breaks (Weis et al, 1972) and Idaho primitive areas (Cater et al, 1973) in the central part of the Elk City quadrangle as part of a nationwide evaluation of the mineral potential of wilderness and primitive areas. Airborne radiometric data for the Elk City quadrangle have been open-filed by the DOE (geoMetrics, Inc., 1979).

All elemental analyses were performed at the LASL. Water samples were initially analyzed for uranium by fluorometry. All water samples containing more than 40 parts per billion (ppb) uranium were reanalyzed by delayed-neutron counting (DNC). A supplemental report containing the multielement analyses of water samples will be open filed in the near future.

Sediments were analyzed for uranium and thorium as well as aluminum, antimony, arsenic, barium, beryllium, bismuth, cadmium, calcium, cerium, cesium, chlorine, chromium, cobalt, copper, dysprosium, europium, gold, hafnium, iron, lanthanum, lead, lithium, lutetium, magnesium, manganese, nickel, niobium, potassium, rubidium, samarium, selenium, scandium, silver, sodium, strontium, tantalum, terbium, tin, titanium, tungsten, vanadium, ytterbium, zinc, and zirconium. Basic statistics for 40 of these elements are presented in Table I. All sediments were analyzed for uranium by delayed-neutron counting. Other elemental concentrations in sediments were determined by neutron-activation analysis for 30 elements, by x-ray fluorescence for 12 elements, and by arc-source emission spectrography for 2 elements. Analytical results for sediments are reported as parts per million (ppm).

This report is simply a data release and is intended to make the data available to the DOE and to the public as quickly as possible. Therefore, no discussion of the geology of the region, uranium and other mineral occurrences, or data evaluation is included.

ACKNOWLEDGMENTS

The support and assistance of the following LASL groups and individuals are gratefully acknowledged. Nearly all analyses of the water samples and the x-ray fluorescence and emission spectrometry of sediment samples were performed by the Analytical Chemistry Group, under the direction of Glenn R. Waterbury. The delayed-neutron counting and neutron activation analyses of the sediments were performed by the Research Reactor Group, directed by Merle E. Bunker. The Statistics Group, headed by Ray A. Waller, was responsible for the data management and computer graphics. Special thanks are made to the following members of the Geosciences Division: Tita Montoya who typed and edited the report, Mary E. Luke who digitized latitudes and longitudes for all sample location points, and Mary Ann Olson who drafted the figures and plates. Sincere appreciation is also expressed to the US Forest Service who granted access to lands under their control so that the survey could be completed.

TABLE I

BASIC STATISTICS FOR FORTY SELECTED ELEMENTS IN SEDIMENT SAMPLES FROM THE ELK CITY QUADRANGLE, IDAHO/MONTANA [a]

Element	Number of Values Below Detection Limit	Mean (ppm)	Standard Deviation	Median (ppm)
Ag	1594	8	7	6
Al	0	72184	13057	73010
As	390	30	223	10
Au	1587	0.76	1.19	0.33
Ba	83	754	236	734
Be	146	3	2	3
Ca	11	18919	10790	17350
Ce	0	252	255	172
Co	49	13	36.7	8.5
Cr	176	60	64	48
Cs	427	5.6	5.2	4.4
Cu	250	71	1143	20
Dy	15	13.2	11.4	9.8
Eu	6	2.1	1.2	1.8
Fe	0	31493	15615	28480
Hf	6	29.2	35.5	18.6
K	23	19892	5336	19400
La	6	120	116	85
Li	2	41	25	36
Lu	14	0.96	0.92	0.70
Mg	273	7924	4504	6688
Mn	0	719	409	638
Na	0	20848	7100	20815
Nb	1587	42	26	32
Ni	1072	26	14	22
Pb	416	16	32	12
Rb	558	115	42	106
Sc	0	10.2	5.2	9.5
Sm	15	19.7	19.7	14.0
Sr	1395	576	156	552
Ta	1276	4.7	3.5	4.0
Tb	913	2.1	1.6	2.0
Th	3	39.1	47.3	25.5
Ti	30	4815	2857	4242
U	0	17.44	27.67	10.11
V	38	63	37	55
W	1350	24	14	20
Yb	80	10.4	9.7	7.4
Zn	467	121	62	110
Zr	0	698	787	452

[a] Values below detection limits were not used in computing these statistical data. Therefore, means and medians for elements with many values below the detection limit are high; means and medians for elements with only a few values below the detection limit may be somewhat high.

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APPENDIX I

LISTINGS OF FIELD DATA AND ELEMENTAL CONCENTRATIONS FOR SAMPLES FROM THE ELK CITY NTMS QUADRANGLE, IDAHO/MONTANA

APPENDIX I-A

Listings of Field Data and Uranium Concentrations
for Water Samples from the Elk City Quadrangle, Idaho/Montana
(Pages 10 through 40)

(See Appendix II-B for Code to Listings)

APPENDIX I-A. Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER CLARITY	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
30-	45.6064-	114.2417-	2-	07-		0-L16002-	08/03/76-	11-	17-	10.1-	C-	-	5.9-	80-		11-	2-	8-	6-	6-	2-	4-	1-	3-	2-	4-	2-	2-	-1-	-	-	-	-	0.10
30-	45.6128-	114.2197-	2-	07-		0-L16003-	08/03/76-	12-	18-	0.9-	-	-	6.1-	120-		22-	2-	7-	5-	6-	4-	3-	1-	2-	2-	4-	3-	2-	-1-	-	-	-	-	3.22
30-	45.6106-	114.2100-	2-	07-		0-L16004-	08/03/76-	12-	15-	10.2-	-	-	5.9-	60-		11-	2-	7-	5-	6-	4-	4-	1-	2-	4-	3-	3-	2-	-1-	-	-	-	-	0.10
30-	45.6111-	114.2097-	2-	07-		0-L16005-	08/03/76-	12-	15-	10.2-	-	-	5.9-	50-		27-	2-	6-	4-	6-	4-	4-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	0.85
30-	45.5975-	114.1694-	2-	07-		0-L16006-	08/03/76-	13-	18-	10.2-	-	-	6.1-	50-		16-	2-	7-	3-	6-	4-	3-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	0.10
30-	45.5708-	114.1756-	2-	07-		0-L16007-	08/03/76-	13-	12-	0.9-	-	-	5.7-	40-		11-	2-	1-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	0.41
30-	45.5564-	114.1922-	2-	07-		0-L16008-	08/03/76-	13-	14-	0.9-	-	-	5.7-	30-		16-	2-	7-	3-	6-	4-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.29
30-	45.6556-	114.1867-	2-	07-		0-L16010-	08/03/76-	16-	18-	10.2-	-	-	5.9-	80-		16-	2-	3-	4-	6-	4-	3-	1-	2-	2-	3-	4-	4-	-1-	-	-	-	-	1.83
30-	45.6567-	114.2026-	2-	07-		0-L16011-	08/03/76-	16-	18-	10.1-	-	-	6.1-	120-		16-	2-	5-	3-	6-	4-	3-	1-	2-	2-	4-	4-	4-	-1-	-	-	-	-	1.61
30-	45.6542-	114.2039-	2-	07-		0-L16012-	08/03/76-	16-	17-	10.2-	-	-	5.7-	50-		5-	2-	5-	4-	6-	4-	3-	1-	2-	2-	3-	3-	4-	-1-	-	-	-	-	1.32
30-	45.7042-	114.2469-	2-	07-		0-L16013-	08/03/76-	17-	18-	10.1-	-	-	5.9-	70-		16-	2-	7-	3-	6-	4-	3-	1-	2-	2-	4-	3-	2-	-1-	-	-	-	-	1.65
30-	45.8833-	114.2125-	2-	07-		0-L16014-	08/04/76-	9-	13-	10.1-	-	-	5.5-	15-		22-	3-	1-	4-	6-	4-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	0.10
30-	45.9200-	114.2097-	2-	07-		0-L16015-	08/03/76-	10-	13-	8.9-	-	-	5.5-	14-		16-	2-	7-	6-	6-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	0.19
30-	45.9350-	114.1467-	2-	07-		0-L16016-	08/03/76-	11-	19-	10.5-	-	-	6.6-	320-		22-	2-	1-	4-	6-	3-	3-	1-	2-	4-	3-	3-	1-	-3-	-	-	-	-	4.32
30-	45.9550-	114.1828-	2-	07-		0-L16017-	08/04/76-	11-	18-	10.2-	-	-	5.5-	20-		16-	2-	1-	4-	6-	4-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.31
30-	45.9561-	114.2089-	2-	07-		0-L16018-	08/04/76-	12-	18-	8.9-	-	-	5.7-	15-		16-	2-	1-	4-	6-	4-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	0.24
30-	45.9864-	114.1769-	2-	07-		0-L16019-	08/04/76-	12-	19-	10.5-	-	-	6.3-	110-		11-	2-	1-	4-	6-	3-	3-	1-	2-	4-	3-	4-	1-	-3-	-	-	-	-	0.67
30-	45.9750-	114.0633-	2-	07-		0-L16020-	08/04/76-	13-	19-	10.2-	-	-	6.3-	260-		16-	2-	1-	4-	6-	3-	3-	1-	2-	4-	2-	4-	2-	-1-	-	-	-	-	2.56
30-	45.9778-	114.0417-	2-	07-		0-L16021-	08/04/76-	13-	19-	10.1-	-	-	6.5-	300-		16-	2-	1-	4-	6-	3-	3-	1-	2-	4-	2-	4-	2-	-1-	-	-	-	-	2.18
30-	45.9789-	114.0369-	2-	07-		0-L16022-	08/04/76-	13-	19-	10.4-	-	-	6.5-	110-		16-	2-	1-	4-	6-	3-	3-	1-	2-	2-	3-	3-	2-	-3-	-	-	-	-	0.82
30-	45.9783-	114.0269-	2-	07-		0-L16023-	08/04/76-	13-	19-	10.2-	-	-	6.5-	180-		11-	2-	1-	4-	6-	4-	3-	1-	2-	2-	3-	4-	2-	-3-	-	-	-	-	7.48
30-	45.9681-	114.1022-	2-	07-		0-L16024-	08/04/76-	14-	18-	10.4-	-	-	6.5-	200-		22-	2-	1-	4-	6-	3-	3-	1-	2-	4-	3-	3-	1-	-3-	-	-	-	-	4.40
30-	45.9019-	114.0922-	2-	07-		0-L16026-	08/04/76-	15-	27-	10.3-	-	-	5.9-	60-		22-	2-	1-	4-	6-	4-	3-	1-	2-	2-	3-	3-	2-	-3-	-	-	-	-	0.50
30-	45.9081-	114.0814-	2-	07-		0-L16027-	08/04/76-	15-	26-	10.1-	-	-	5.5-	70-		22-	1-	7-	4-	6-	3-	3-	1-	2-	4-	3-	3-	2-	-3-	-	-	-	-	7.19
30-	45.9217-	114.1064-	2-	07-		0-L16028-	08/04/76-	15-	25-	10.2-	-	-	6.5-	300-		16-	2-	7-	4-	6-	3-	3-	1-	2-	4-	3-	4-	2-	-3-	-	-	-	-	6.22
30-	45.9097-	114.1106-	2-	07-		0-L16029-	08/04/76-	17-	21-	10.1-	-	-	5.6-	70-		0-	2-	1-	3-	6-	3-	3-	1-	2-	2-	3-	4-	2-	-3-	-	-	-	-	0.38
30-	45.8883-	114.1894-	2-	07-		0-L16030-	08/04/76-	18-	19-	8.9-	-	-	5.7-	60-		27-	2-	7-	4-	6-	4-	3-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	0.10
30-	45.9022-	114.1889-	2-	07-		0-L16031-	08/05/76-	10-	18-	9.5-	-	-	6.1-	270-		5-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	3-	1-	-8-	-	-	-	-	3.40
30-	45.9011-	114.1894-	2-	07-		0-L16032-	08/05/76-	10-	18-	10.1-	-	-	5.5-	15-		16-	2-	1-	4-	6-	4-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.38
30-	45.9998-	114.1672-	2-	07-		0-L16033-	08/05/76-	11-	19-	9.5-	C-	-	5.7-	24-		22-	3-	1-	4-	6-	4-	3-	1-	2-	4-	3-	3-	1-	-3-	-	-	-	-	0.15
30-	45.8319-	114.2569-	2-	07-		0-L16034-	08/03/76-	11-	18-	10.5-	-	-	5.5-	11-		19-	3-	4-	4-	6-	3-	3-	1-	1-	1-	4-	4-	2-	-8-	-	-	-	-	0.10
30-	45.8536-	114.2903-	2-	07-		0-L16035-	08/03/76-	12-	19-	9.5-	-	-	5.5-	11-		8-	3-	4-	4-	6-	4-	4-	1-	1-	1-	4-	5-	2-	-1-	-	-	-	-	0.10
30-	45.8628-	114.3147-	2-	07-		0-L16036-	08/03/76-	13-	20-	9.5-	-	-	5.5-	11-		11-	3-	4-	4-	6-	4-	4-	1-	1-	3-	4-	5-	2-	-1-	-	-	-	-	0.10
30-	45.8117-	114.2589-	2-	07-		0-L16037-	08/03/76-	15-	22-	15.0-	-	-	5.2-	27-		11-	3-	4-	4-	6-	1-	3-	3-	1-	3-	3-	4-	2-	-8-	-	-	-	-	0.10
30-	45.8000-	114.2956-	2-	07-		0-L16038-	08/03/76-	15-	23-	8.5-	-	-	5.2-	13-		11-	3-	4-	4-	6-	4-	4-	1-	1-	3-	4-	3-	2-	-8-	-	-	-	-	0.10
30-	45.7839-	114.3215-	2-	07-		0-L16039-	08/03/76-	16-	22-	13.5-	-	-	5.5-	24-		5-	3-	4-	4-	6-	3-	3-	1-	1-	1-	4-	3-	2-	-8-	-	-	-	-	0.10
30-	45.7875-	114.3647-	2-	07-		0-L16040-	08/03/76-	16-	22-	10.5-	-	-	5.5-	21-		27-	3-	4-	4-	6-	3-	3-	1-	1-	3-	3-	3-	4-	-8-	-	-	-	-	0.43
30-	45.8144-	114.3833-	2-	07-		0-L16041-	08/03/76-	17-	22-	10.5-	-	-	5.5-	16-		38-	3-	4-	4-	6-	4-	4-	1-	1-	3-	4-	5-	4-	-8-	-	-	-	-	0.36
30-	45.7878-	114.3653-	2-	07-		0-L16042-	08/03/76-	19-	20-	13.5-	-	-	5.7-	42-		25-	3-	4-	4-	6-	4-	4-	1-	1-	3-	4-	3-	4-	-8-	-	-	-	-	0.10
30-	45.7717-	114.3292-	2-	07-		0-L16043-	08/03/76-	17-	20-	10.5-	-	-	5.7-	70-		13-	3-	4-	4-	6-	2-	2-	1-	1-	3-	4-	3-	4-	-1-	-	-	-	-	1.35
30-	45.7506-	114.3853-	2-	07-		0-L16044-	08/03/76-	18-	20-	12.5-	-	-	5.9-	80-		27-	3-	4-	4-	6-	3-	3-	1-	1-	3-	4-	3-	4-	-1-	-	-	-	-	2.49
30-	45.7522-	114.4133-	2-	07-		0-L16045-	08/03/76-	19-	20-	13.0-	-	-	5.5-	35-		22-	3-	4-	4-	6-	4-	4-	1-	1-	1-	4-	3-	4-	-8-	-	-	-	-	0.64
30-	45.7636-	114.4336-	2-	07-		0-L16046-	08/03/76-	19-	19-	11.5-	-	-	5.5-	34-		8-	3-	4-	4-	4-	3-	3-	1-	1-	1-	4-	3-	4-	-8-	-	-	-	-	0.10
30-	45.7936-	114.2633-	2-	07-		0-L16047-	08/03/76-	19-	19-	11.5-	-	-	5.5-	60-		36-	3-	4-	4-	4-	2-	2-	1-	1-	3-	4-	3-	2-	-8-	-	-	-	-	0.81
30-	45.7933-	114.2650-	2-	07-		0-L16048-	08/03/76-	19-	20-	13.0-	-	-	5.7-	70-		27-	3-	4-	4-	4-	3-	3-	1-	1-	3-	3-	2-	2-	-8-	-	-	-	-	1.78
30-	45.7672-	114.2744-	2-	07-		0-L16049-	08/03/76-	19-	19-	10.0-	-	-	5.2-	33-		27-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	2-	2-	-8-	-	-	-	-	0.30
30-	45.7575-	114.2828-	2-	07-		0-L16050-	08/03/76-	19-	19-	12.0-	-	-	5.7-	60-		33-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	3-	2-	-1-	-	-	-	-	1.49
30-	45.7467-	114.4433-	2-	07-		0-L16051-	08/04/76-	9-	18-	7.5-	-	-	5.5-	47-		36-	3-	4-	4-	4-	4-	4-	1-	1-	1-	4-	3-	1-	-8-	-	-	-	-	0.97
30-	45.7450-	114.4436-	2-	07-		0-L16052-	08/04/76-	9-	17-	9.0-	-	-	5.5-	55-		27-	3-	4-	4-	4-	4-	4-	1-	1-	1-	4-	3-	1-	-8-	-	-	-	-	0.10
30-	45.7453-	114.4278-	2-	07-		0-L16053-	08/04/76-	10-	17-	9.5-	-	-	5.5-	45-		22-	3-	4-	4-	4-	3-	3-	1-	1-	1-	4-	3-	1-	-8-	-	-	-	-	0.44
30-	45.8467-	114.2375-	2-	07-		0-L16054-	08/04/76-	11-	19-	10.5-	-	-	5.5-	22-		5-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	3-	1-	-8-	-	-	-	-	0.10

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																							U CONCENTRATION
							TIME SAMPLED																						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmhos/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (θ) UNITS IN ppb
30-	45.8517-	114.2250-	2-	07-		0-L16055-	08/04/76-	12-	20-	11.5-	-	-	5.5-	22-	63-	3-	4-	4-	3-	3-	1-	1-	3-	3-	3-	2-	-1-	-	-	-	-	0.26
30-	45.8675-	114.2144-	2-	07-		0-L16056-	08/04/76-	13-	20-	21.0-	-	-	5.9-	55-	11-	3-	4-	4-	2-	3-	4-	1-	3-	3-	2-	2-	-8-	-	-	-	-	0.83
30-	45.8700-	114.2019-	2-	07-		0-L16057-	08/04/76-	13-	21-	14.5-	-	-	5.5-	22-	16-	3-	4-	4-	4-	3-	3-	1-	1-	3-	3-	2-	-8-	-	-	-	-	0.10
30-	45.8661-	114.1994-	2-	07-		0-L16058-	08/04/76-	13-	21-	10.5-	-	-	5.7-	55-	22-	3-	4-	4-	4-	4-	4-	1-	1-	3-	4-	3-	2-	-8-	-	-	-	-	1.39
30-	45.8633-	114.1967-	2-	07-		0-L16059-	08/04/76-	14-	21-	10.5-	-	-	5.5-	50-	11-	3-	4-	4-	4-	4-	1-	1-	3-	4-	2-	2-	-8-	-	-	-	-	0.72
30-	45.8522-	114.1514-	2-	07-		0-L16060-	08/04/76-	14-	22-	10.5-	-	-	5.5-	60-	5-	3-	4-	4-	4-	4-	1-	1-	3-	4-	4-	2-	-1-	-	-	-	-	2.67
30-	45.8417-	114.1883-	2-	07-		0-L16061-	08/04/76-	15-	21-	10.5-	-	-	5.5-	60-	27-	3-	4-	4-	4-	4-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	1.10
30-	45.8106-	114.1686-	2-	07-		0-L16062-	08/04/76-	16-	21-	10.5-	-	-	5.7-	80-	33-	3-	4-	4-	4-	4-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	3.36
30-	45.8103-	114.1697-	2-	07-		0-L16063-	08/04/76-	16-	21-	10.0-	-	-	5.2-	55-	33-	3-	4-	4-	4-	4-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	1.30
30-	45.7800-	114.1622-	2-	07-		0-L16064-	08/04/76-	16-	20-	9.0-	-	-	5.2-	42-	5-	3-	4-	4-	4-	4-	1-	1-	1-	4-	4-	4-	-1-	-	-	-	-	0.21
30-	45.8111-	114.0675-	2-	07-		0-L16065-	08/04/76-	17-	20-	10.5-	-	-	5.5-	40-	16-	3-	4-	4-	4-	4-	1-	1-	1-	4-	4-	2-	-8-	-	-	-	-	0.37
30-	45.8117-	114.0667-	2-	07-		0-L16066-	08/04/76-	17-	19-	11.5-	-	-	5.7-	60-	16-	3-	4-	4-	4-	3-	3-	1-	1-	2-	4-	4-	2-	-8-	-	-	-	-	2.04
30-	45.8428-	114.0403-	2-	07-		0-L16067-	08/04/76-	17-	20-	11.0-	-	-	5.5-	75-	16-	3-	4-	4-	4-	4-	4-	1-	1-	3-	4-	3-	2-	-8-	-	-	-	-	1.40
30-	45.8600-	114.0214-	2-	07-		0-L16068-	08/04/76-	19-	20-	10.5-	C-	-	5.2-	290-	16-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	4-	3-	-8-	-	-	-	-	7.47
30-	45.8444-	114.0806-	2-	07-		0-L16069-	08/04/76-	18-	19-	8.5-	-	-	5.7-	49-	16-	3-	4-	4-	4-	4-	4-	1-	1-	3-	4-	4-	3-	-8-	-	-	-	-	0.48
30-	45.8583-	114.0728-	2-	07-		0-L16070-	08/04/76-	18-	19-	12.0-	-	-	5.7-	70-	13-	3-	4-	4-	4-	4-	4-	1-	1-	-	-	4-	3-	-8-	-	-	-	-	1.99
30-	45.5153-	114.3211-	2-	07-		0-L16071-	08/03/76-	11-	16-	8.0-	-	-	6.1-	57-	6-	4-	-2-	7-	4-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	1.00
30-	45.5203-	114.3183-	2-	07-		0-L16072-	08/03/76-	12-	16-	8.4-	-	-	6.1-	70-	8-	4-	-2-	7-	4-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	0.36
30-	45.5206-	114.3239-	2-	07-		0-L16073-	08/03/76-	12-	16-	10.0-	-	-	6.4-	90-	7-	3-	4-	3-	4-	3-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	1.17
30-	45.5378-	114.3153-	2-	07-		0-L16074-	08/03/76-	12-	18-	9.0-	C-	-	6.3-	85-	5-	4-	-2-	7-	3-	3-	1-	1-	2-	3-	4-	2-	-1-	-	-	-	-	0.17
30-	45.5494-	114.3094-	2-	07-		0-L16075-	08/03/76-	13-	22-	10.0-	C-	-	6.2-	60-	14-	4-	-3-	6-	3-	3-	1-	1-	3-	4-	4-	2-	-1-	-	-	-	-	0.93
30-	45.5461-	114.3169-	2-	07-		0-L16076-	08/03/76-	13-	20-	10.0-	-	-	6.4-	110-	3-	3-	4-	3-	6-	3-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	2.36
30-	45.5633-	114.3211-	2-	07-		0-L16077-	08/03/76-	14-	19-	12.5-	-	-	6.4-	85-	10-	3-	4-	2-	7-	3-	3-	1-	1-	1-	4-	4-	3-	-1-	-	-	-	-	0.27
30-	45.5503-	114.3933-	2-	07-		0-L16078-	08/03/76-	15-	17-	11.0-	C-	-	6.1-	64-	5-	3-	1-	2-	4-	3-	3-	1-	1-	2-	4-	4-	4-	-8-	-	-	-	-	0.18
30-	45.5633-	114.3311-	2-	07-		0-L16079-	08/03/76-	15-	16-	11.5-	C-	-	6.1-	86-	10-	3-	1-	2-	1-	3-	3-	1-	1-	2-	3-	4-	3-	-8-	-	-	-	-	0.23
30-	45.5828-	114.3197-	2-	07-		0-L16080-	08/03/76-	16-	17-	12.0-	C-	-	6.3-	90-	17-	3-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	3-	-1-	-	-	-	-	0.18
30-	45.6106-	114.2911-	2-	07-		0-L16081-	08/03/76-	17-	19-	14.5-	-	-	6.1-	55-	5-	3-	1-	2-	1-	4-	3-	1-	1-	2-	4-	4-	3-	-2-	-	-	-	-	1.14
30-	45.6025-	114.2608-	2-	07-		0-L16082-	08/03/76-	17-	17-	11.0-	C-	-	6.1-	55-	5-	3-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	4-	-1-	-	-	-	-	0.58
30-	45.6978-	114.3683-	2-	07-		0-L16083-	08/04/76-	10-	9-	9.5-	C-	-	6.0-	50-	15-	3-	1-	2-	1-	3-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	0.54
30-	45.6961-	114.3678-	2-	06-		0-L16084-	08/04/76-	10-	16-	24.0-	C-	-	6.6-	170-	7-	3-	1-	6-	6-	2-	3-	1-	-	1-	4-	4-	1-	-1-	-	-	-	-	0.50
30-	45.6858-	114.3642-	2-	07-		0-L16085-	08/04/76-	11-	18-	9.0-	-	-	5.7-	24-	8-	3-	1-	3-	1-	4-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	0.56
30-	45.6992-	114.3217-	2-	07-		0-L16086-	08/04/76-	11-	19-	12.5-	-	-	5.9-	35-	10-	3-	1-	2-	1-	4-	3-	1-	1-	2-	3-	4-	1-	-1-	-	-	-	-	0.68
30-	45.6972-	114.3222-	2-	07-		0-L16087-	08/04/76-	12-	17-	10.0-	C-	-	5.8-	40-	8-	3-	1-	3-	1-	4-	3-	1-	1-	1-	5-	4-	1-	-1-	-	-	-	-	1.21
30-	45.7194-	114.2542-	2-	07-		0-L16088-	08/04/76-	13-	21-	8.0-	-	-	5.7-	27-	17-	3-	1-	3-	1-	4-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	0.84
30-	45.6983-	114.2622-	2-	07-		0-L16089-	08/04/76-	13-	21-	11.0-	C-	-	6.1-	60-	12-	1-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	1.13
30-	45.6611-	114.2683-	2-	07-		0-L16090-	08/04/76-	14-	17-	14.5-	C-	-	6.1-	85-	7-	1-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	3-	-8-	-	-	-	-	1.49
30-	45.6267-	114.2967-	2-	07-		0-L16091-	08/04/76-	15-	16-	10.5-	C-	-	5.9-	27-	4-	3-	1-	2-	4-	4-	3-	1-	1-	1-	4-	4-	4-	-1-	-	-	-	-	0.18
30-	45.6483-	114.3511-	2-	07-		0-L16092-	08/04/76-	16-	19-	10.0-	C-	-	5.6-	22-	6-	3-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	2-	-9-	-	-	-	-	0.53
30-	45.6661-	114.3197-	2-	07-		0-L16093-	08/04/76-	16-	19-	13.0-	C-	-	5.6-	28-	3-	1-	1-	2-	1-	3-	3-	1-	1-	1-	4-	4-	2-	-9-	-	-	-	-	0.10
30-	45.7250-	114.2869-	2-	07-		0-L16094-	08/04/76-	17-	18-	12.5-	-	-	6.4-	163-	13-	3-	1-	3-	1-	3-	3-	1-	1-	1-	3-	4-	2-	-8-	-	-	-	-	5.39
30-	45.9375-	114.4014-	2-	07-		0-L16096-	08/17/76-	8-	4-	4.5-	C-	-	-	9-	5-	3-	1-	1-	1-	4-	3-	1-	1-	1-	4-	5-	1-	-1-	-	-	-	-	0.10
30-	45.9717-	114.3514-	2-	07-		0-L16097-	08/17/76-	9-	15-	9.0-	C-	-	-	9-	8-	3-	1-	1-	1-	5-	3-	1-	1-	1-	4-	5-	1-	-1-	-	-	-	-	0.10
30-	45.9950-	114.2867-	2-	07-		0-L16098-	08/17/76-	12-	18-	10.0-	C-	-	5.0-	11-	11-	3-	1-	1-	1-	5-	3-	1-	1-	1-	4-	5-	2-	-1-	-	-	-	-	0.10
30-	45.5917-	114.3278-	2-	07-		0-L16099-	08/17/76-	18-	11-	13.0-	-	-	5.4-	45-	9-	3-	1-	3-	1-	3-	3-	1-	1-	1-	4-	4-	4-	-1-	-	-	-	-	0.52
30-	45.6000-	114.3264-	2-	07-		0-L16100-	08/18/76-	7-	6-	10.0-	-	-	5.0-	65-	5-	3-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	4-	-3-	-	-	-	-	0.10
30-	45.6097-	114.3653-	2-	07-		0-L16101-	08/18/76-	8-	9-	9.5-	C-	-	5.1-	58-	4-	3-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	4-	-1-	-	-	-	-	0.18
30-	45.5883-	114.3867-	2-	07-		0-L16102-	08/18/76-	10-	9-	11.0-	C-	-	5.0-	50-	4-	3-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	4-	-1-	-	-	-	-	0.10
30-	45.5875-	114.3875-	2-	07-		0-L16103-	08/18/76-	10-	9-	9.0-	C-	-	5.6-	64-	3-	3-	1-	2-	1-	4-	3-	3-	1-	1-	4-	4-	4-	-1-	-	-	-	-	0.10
30-	45.5958-	114.4264-	2-	07-		0-L16104-	08/18/76-	11-	10-	10.0-	C-	-	5.5-	55-	5-	3-	1-	2-	1-	4-	3-	3-	1-	1-	4-	4-	4-	-1-	-	-	-	-	0.52
30-	45.9164-	114.0533-	2-	07-		0-L16105-	09/09/76-	9-	20-	10.2-	-	-	5.6-	28-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.10
30-	45.9728-	114.3514-	2-	07-		0-L16106-	09/09/76-	13-	20-	9.7-	-	-	5.6-	35-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.10

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
30-	45.9547-	114.2908-	2-	07-		0-L16107-	09/09/76-	17-	19-	9.4-	-	-	5.9-	40-	11-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.26
30-	45.9147-	114.2597-	2-	07-		0-L16108-	10/09/76-	11-	22-	9.9-	C-	-	6.0-	41-	11-	3-	7-	1-	-4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	0.90
30-	45.5872-	114.5097-	2-	07-		0-L16109-	10/09/76-	17-	19-	10.1-	-	-	5.4-	35-	8-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	2.48
30-	45.6025-	114.5214-	2-	07-		0-L16110-	10/09/76-	18-	16-	9.9-	-	-	5.8-	40-	11-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.95
30-	45.6219-	114.5111-	2-	07-		0-L16111-	10/09/76-	20-	16-	9.7-	C-	-	5.8-	30-	5-	3-	7-	1-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.65
30-	45.6456-	114.4878-	2-	07-		0-L16112-	09/10/76-	9-	16-	9.8-	-	-	5.8-	30-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.31
30-	45.6458-	114.4864-	2-	07-		0-L16113-	09/10/76-	9-	16-	9.9-	-	-	5.8-	25-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	1.00
30-	45.6497-	114.4850-	2-	07-		0-L16114-	09/10/76-	10-	19-	9.7-	-	-	6.0-	22-	8-	3-	7-	3-	7-	4-	3-	1-	2-	3-	4-	5-	2-	-1-	-	-	-	-	0.35
30-	45.6722-	114.4678-	2-	07-		0-L16115-	09/10/76-	11-	23-	9.9-	-	-	5.4-	28-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.10
30-	45.6806-	114.4597-	2-	07-		0-L16116-	09/10/76-	11-	23-	10.2-	-	-	5.2-	30-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.19
30-	45.6792-	114.4561-	2-	07-		0-L16117-	09/10/76-	12-	23-	9.7-	-	-	5.6-	18-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	2.19
30-	45.6825-	114.4531-	2-	07-		0-L16118-	09/10/76-	12-	24-	11.3-	-	-	5.2-	19-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.90
30-	45.7008-	114.4167-	2-	07-		0-L16119-	09/10/76-	14-	24-	9.6-	-	-	5.4-	40-	5-	3-	7-	1-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	1.09
30-	45.6283-	114.3028-	2-	07-		0-L16120-	09/10/76-	17-	23-	10.1-	-	-	5.9-	42-	8-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.10
30-	45.5269-	114.2864-	2-	07-		0-L16121-	09/10/76-	19-	20-	10.3-	-	-	5.9-	30-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.10
30-	45.5417-	114.4022-	2-	07-		0-L16122-	09/10/76-	20-	18-	10.4-	-	-	5.9-	32-	8-	3-	7-	1-	7-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.56
30-	45.5428-	114.4028-	2-	07-		0-L16123-	09/11/76-	15-	27-	10.7-	-	-	5.9-	25-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.77
30-	45.5789-	114.4711-	2-	07-		0-L16124-	09/12/76-	11-	21-	9.4-	-	-	6.0-	40-	8-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.20
30-	45.6358-	114.5050-	2-	07-		0-L16125-	09/12/76-	16-	21-	10.3-	-	-	5.8-	90-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	2.10
30-	45.6361-	114.5050-	2-	07-		0-L16126-	09/12/76-	16-	21-	10.1-	-	-	5.9-	70-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	1.67
16-	45.1078-	114.1053-	2-	07-		0-L16138-	07/08/79-	9-	18-	6.9-	-	-	8.7-	26-	6-	4-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	3-	-1-	-	-	-	-	0.01
16-	45.1392-	114.1231-	2-	06-		0-L16139-	07/08/79-	10-	18-	7.9-	-	-	7.9-	39-	6-	4-	6-	5-	8-	3-	3-	1-	-1-	3-	3-	3-	-1-	-	-	-	-	-	0.01
16-	45.1458-	114.1203-	2-	07-		0-L16140-	07/08/79-	10-	18-	7.6-	-	-	8.0-	20-	8-	4-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	3-	-1-	-	-	-	-	0.01
16-	45.1522-	114.1228-	2-	07-		0-L16141-	07/08/79-	10-	20-	8.5-	-	-	8.1-	18-	6-	4-	6-	3-	6-	4-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.32
16-	45.1583-	114.1700-	2-	07-		0-L16142-	07/08/79-	11-	21-	10.9-	-	-	7.7-	40-	16-	1-	6-	2-	6-	4-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	0.03
16-	45.1678-	114.1581-	2-	07-		0-L16143-	07/08/79-	11-	20-	11.4-	-	-	7.7-	35-	4-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	3-	-1-	-	-	-	-	0.01
16-	45.1344-	114.0603-	2-	06-		0-L16145-	07/08/79-	12-	21-	6.7-	C-	-	7.7-	90-	10-	1-	6-	-	-3-	3-	1-	-4-	3-	4-	2-	-1-	-	-	-	-	-	0.35
16-	45.1433-	114.0342-	2-	06-		0-L16146-	07/08/79-	12-	22-	6.4-	-	-	7.9-	25-	12-	1-	6-	5-	8-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	0.37
16-	45.0833-	114.0447-	2-	07-		0-L16147-	07/08/79-	13-	23-	11.9-	-	-	7.4-	35-	12-	1-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.48
16-	45.0808-	114.0447-	2-	07-		0-L16148-	07/08/79-	13-	24-	9.7-	-	-	7.3-	41-	5-	1-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.02
16-	45.0539-	114.0472-	2-	07-		0-L16149-	07/08/79-	13-	24-	9.1-	-	-	7.6-	19-	8-	1-	6-	3-	6-	3-	3-	1-	2-	1-	4-	3-	2-	-1-	-	-	-	-	0.77
16-	45.0556-	114.0483-	2-	07-		0-L16150-	07/08/79-	14-	25-	9.6-	-	-	7.6-	25-	6-	1-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.73
16-	45.0767-	114.0125-	2-	07-		0-L16151-	07/08/79-	14-	26-	11.9-	-	-	7.4-	59-	20-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.53
16-	45.1114-	114.0261-	2-	07-		0-L16152-	07/08/79-	14-	26-	8.9-	-	-	7.5-	20-	12-	1-	6-	3-	6-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.23
16-	45.1097-	114.0264-	2-	07-		0-L16153-	07/08/79-	15-	26-	8.1-	-	-	7.5-	18-	8-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.37
16-	45.0158-	114.0011-	2-	07-		0-L16155-	07/08/79-	17-	26-	14.2-	-	-	7.5-	99-	14-	1-	6-	5-	6-	3-	3-	1-	2-	-4-	3-	4-	2-	-1-	-	-	-	-	1.15
16-	45.0144-	114.0014-	2-	07-		0-L16156-	07/08/79-	17-	26-	12.7-	-	-	7.3-	78-	18-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	1.39
16-	45.5244-	114.0928-	2-	06-		0-L16159-	07/09/79-	14-	27-	12.6-	-	-	8.1-	18-	11-	1-	6-	5-	6-	2-	3-	1-	-	-4-	3-	4-	2-	-1-	-	-	-	-	0.25
16-	45.5536-	114.1425-	2-	06-		0-L16160-	07/09/79-	15-	27-	6.0-	-	-	7.8-	23-	16-	1-	6-	5-	6-	2-	2-	1-	-	-4-	3-	4-	2-	-1-	-	-	-	-	0.23
16-	45.5511-	114.1336-	2-	06-		0-L16161-	07/08/79-	15-	28-	7.5-	-	-	8.0-	15-	16-	1-	6-	5-	1-	2-	3-	1-	-	-4-	3-	4-	2-	-1-	-	-	-	-	0.01
16-	45.5819-	114.1194-	2-	06-		0-L16162-	07/09/79-	15-	27-	9.6-	-	-	8.1-	14-	12-	1-	6-	5-	6-	2-	3-	1-	-	-4-	3-	4-	1-	-1-	-	-	-	-	0.01
16-	45.0772-	114.5261-	2-	07-		0-L16163-	07/08/79-	14-	26-	11.0-	-	-	8.4-	13-	2-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.69
16-	45.0783-	114.5253-	2-	07-		0-L16164-	07/08/79-	15-	25-	9.6-	-	-	8.2-	6-	1-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.34
16-	45.0778-	114.5233-	2-	07-		0-L16165-	07/08/79-	15-	25-	9.2-	-	-	8.3-	3-	3-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.36
16-	45.0750-	114.5158-	2-	07-		0-L16166-	07/08/79-	16-	23-	9.1-	-	-	8.0-	13-	2-	2-	7-	3-	1-	2-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	0.41
16-	45.0586-	114.4897-	2-	07-		0-L16167-	07/08/79-	17-	23-	8.7-	-	-	8.1-	14-	1-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.21
16-	45.0528-	114.4794-	2-	07-		0-L16168-	07/08/79-	17-	23-	10.2-	-	-	7.8-	39-	1-	2-	7-	3-	7-	2-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	0.25
16-	45.0447-	114.4756-	2-	07-		0-L16169-	07/08/79-	18-	23-	10.7-	-	-	8.1-	29-	2-	2-	7-	3-	6-	3-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	0.95
16-	45.0431-	114.4736-	2-	07-		0-L16170-	07/08/79-	18-	23-	12.1-	-	-	7.8-	35-	4-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	2-	2-	-1-	-	-	-	-	0.18
16-	45.0258-	114.5044-	2-	07-		0-L16171-	07/08/79-	20-	21-	4.3-	-	-	8.0-	41-	2-	2-	7-	2-	6-	4-	3-	1-	1-	1-	3-	2-	1-	-1-	-	-	-	-	0.09
16-	45.0269-	114.5044-	2-	07-		0-L16172-	07/08/79-	20-	22-	8.7-	-	-	7.8-	71-	3-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.52

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																						U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.0244-	114.4886-	2-	07-		0-L16173-	07/08/79-	21-	21-	10.8-	-	-	7.4-	62-	8-	2-	7-	1-	7-	4-	3-	1-	1-	1-	3-	-1-	-1-	-	-	-	-	-	0.65
16-	45.5414-	114.1142-	2-	06-		0-L16174-	07/09/79-	16-	29-	10.1-	-	-	8.0-	18-	10-	1-	6-	5-	6-	2-	3-	1-	-4-	3-	4-	-1-	-1-	-	-	-	-	-	0.01
16-	45.5244-	114.1258-	2-	06-		0-L16175-	07/09/79-	17-	25-	5.7-	-	-	8.0-	15-	11-	1-	6-	5-	6-	3-	3-	1-	-4-	3-	4-	-1-	-1-	-	-	-	-	-	0.01
16-	45.5058-	114.1519-	2-	07-		0-L16176-	07/09/79-	19-	24-	9.4-	-	-	7.1-	49-	12-	1-	6-	3-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.41
16-	45.5044-	114.1553-	2-	07-		0-L16177-	07/09/79-	19-	25-	9.4-	-	-	7.2-	43-	10-	1-	6-	2-	6-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.24
16-	45.5022-	114.1486-	2-	06-		0-L16179-	07/09/79-	19-	25-	16.6-	-	-	7.2-	223-	25-	1-	6-	5-	1-	2-	2-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	0.75
16-	45.5011-	114.1436-	2-	07-		0-L16180-	07/09/79-	19-	25-	9.8-	-	-	7.6-	42-	16-	1-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.83
16-	45.4875-	114.1431-	2-	06-		0-L16181-	07/09/79-	20-	24-	6.6-	-	-	7.6-	42-	12-	1-	6-	3-	1-	3-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	1.03
16-	45.1175-	114.4992-	2-	07-		0-L16182-	07/10/79-	11-	24-	9.4-	-	-	8.0-	15-	33-	1-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	1.44
16-	45.6200-	114.0658-	2-	06-		0-L16183-	07/09/79-	14-	22-	4.1-	-	-	8.0-	29-	2-	2-	7-	5-	6-	3-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	0.44
16-	45.6244-	114.0314-	2-	07-		0-L16184-	07/09/79-	15-	22-	8.4-	-	-	8.1-	24-	5-	2-	7-	2-	6-	4-	3-	1-	2-	1-	4-	2-	2-	-1-	-	-	-	-	0.19
16-	45.6269-	114.0308-	2-	07-		0-L16185-	07/09/79-	16-	22-	8.1-	-	-	7.9-	33-	6-	2-	7-	2-	7-	4-	3-	1-	2-	1-	4-	3-	2-	-1-	-	-	-	-	0.46
16-	45.6247-	114.0175-	2-	07-		0-L16186-	07/09/79-	16-	22-	10.1-	-	-	8.0-	31-	2-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.45
16-	44.6150-	114.0003-	2-	07-		0-L16187-	07/09/79-	17-	22-	9.0-	-	-	7.8-	27-	4-	2-	7-	1-	7-	4-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.37
16-	45.2869-	114.4544-	2-	07-		0-L16189-	07/10/79-	14-	24-	9.6-	-	-	8.1-	32-	4-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.60
16-	45.2872-	114.4517-	2-	07-		0-L16190-	07/10/79-	15-	25-	9.9-	-	-	7.7-	121-	1-	2-	7-	2-	7-	3-	3-	1-	1-	1-	4-	3-	1-	-1-	-	-	-	-	0.99
16-	45.2672-	114.4447-	2-	06-		0-L16191-	07/10/79-	17-	24-	6.0-	C-	-	7.7-	5-	9-	4-	9-	5-	8-	3-	3-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	1.42
16-	45.2719-	114.4139-	2-	06-		0-L16192-	07/10/79-	19-	23-	21.1-	C-	-	7.8-	581-	2-	2-	7-	5-	8-	1-	2-	2-	-1-	3-	3-	1-	-8-	-	-	-	-	-	21.40
16-	45.2856-	114.3803-	2-	06-		0-L16193-	07/10/79-	19-	21-	9.1-	-	-	8.3-	222-	1-	2-	7-	5-	6-	2-	3-	1-	-2-	3-	3-	1-	-1-	-	-	-	-	-	3.12
16-	45.2925-	114.3553-	2-	07-		0-L16194-	07/10/79-	21-	20-	14.5-	-	-	8.6-	29-	4-	2-	7-	2-	7-	4-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	0.97
16-	45.2022-	115.8133-	2-	07-		0-L16195-	07/15/79-	12-	27-	7.5-	-	-	8.1-	8-	3-	2-	7-	1-	7-	4-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.56
16-	45.1933-	115.8208-	2-	07-		0-L16196-	07/15/79-	13-	26-	9.2-	-	-	9.0-	15-	2-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.91
16-	45.1700-	115.8094-	2-	07-		0-L16197-	07/15/79-	14-	27-	17.9-	-	-	8.2-	6-	1-	2-	7-	2-	6-	4-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.39
16-	45.1678-	115.8061-	2-	07-		0-L16198-	07/15/79-	14-	28-	9.1-	-	-	8.0-	16-	8-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.06
16-	45.1569-	115.7983-	2-	07-		0-L16199-	07/15/79-	15-	27-	10.1-	-	-	8.1-	11-	5-	2-	7-	1-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.05
16-	45.1503-	115.7942-	2-	07-		0-L16200-	07/15/79-	16-	29-	10.5-	-	-	8.2-	8-	3-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.01
16-	45.1481-	115.8039-	2-	07-		0-L16201-	07/15/79-	17-	27-	12.1-	-	-	8.0-	5-	4-	2-	7-	1-	7-	4-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.15
16-	45.1464-	115.7986-	2-	07-		0-L16202-	07/15/79-	17-	26-	12.0-	-	-	8.0-	6-	3-	2-	7-	1-	7-	4-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.13
16-	45.1461-	115.7969-	2-	07-		0-L16203-	07/15/79-	17-	26-	10.8-	-	-	7.9-	12-	15-	2-	7-	2-	6-	4-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.06
16-	45.1319-	115.7789-	2-	07-		0-L16204-	07/15/79-	19-	25-	11.9-	-	-	8.0-	12-	6-	2-	7-	1-	7-	4-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.05
16-	45.1211-	115.7636-	2-	07-		0-L16205-	07/15/79-	20-	25-	11.4-	-	-	8.1-	19-	5-	-2-	1-	1-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.26
16-	45.0261-	115.6222-	2-	07-		0-L16206-	07/16/79-	16-	31-	11.0-	-	-	7.3-	80-	5-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.46
16-	45.0275-	115.6233-	2-	07-		0-L16207-	07/16/79-	16-	31-	12.1-	-	-	7.4-	60-	2-	2-	7-	2-	7-	2-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.49
16-	45.0367-	115.6194-	2-	07-		0-L16208-	07/16/79-	17-	31-	11.5-	-	-	7.6-	40-	11-	2-	7-	1-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.51
16-	45.0444-	115.6256-	2-	07-		0-L16209-	07/16/79-	18-	29-	11.5-	-	-	7.5-	42-	3-	2-	7-	1-	7-	4-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.29
16-	45.0419-	115.6258-	2-	07-		0-L16210-	07/16/79-	18-	27-	10.8-	-	-	7.4-	70-	5-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.54
16-	45.0364-	115.4806-	2-	07-		0-L16211-	07/17/79-	15-	28-	12.3-	-	-	8.6-	9-	3-	2-	7-	1-	7-	4-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.02
16-	45.0361-	115.4800-	2-	07-		0-L16212-	07/17/79-	16-	24-	11.8-	-	-	8.3-	13-	3-	2-	7-	1-	7-	4-	3-	1-	1-	1-	4-	3-	1-	-1-	-	-	-	-	0.22
16-	45.5158-	114.0103-	2-	07-		0-L16213-	07/09/79-	12-	24-	11.4-	-	-	8.0-	309-	10-	4-	1-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	2.39
16-	45.5372-	114.0544-	2-	07-		0-L16214-	07/09/79-	12-	24-	10.5-	-	-	8.0-	17-	12-	4-	1-	5-	8-	3-	2-	1-	2-	2-	3-	4-	2-	-1-	-	-	-	-	0.27
16-	45.5367-	114.0569-	2-	07-		0-L16215-	07/09/79-	13-	24-	10.5-	-	-	7.8-	10-	12-	4-	1-	2-	6-	3-	3-	1-	2-	2-	3-	4-	2-	-1-	-	-	-	-	0.31
16-	45.5192-	114.0342-	2-	07-		0-L16216-	07/09/79-	13-	26-	14.2-	-	-	7.8-	84-	9-	2-	1-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	1.08
16-	45.5219-	114.0319-	2-	07-		0-L16217-	07/09/79-	14-	26-	14.8-	-	-	7.5-	53-	10-	2-	1-	5-	8-	3-	3-	1-	2-	1-	2-	4-	2-	-1-	-	-	-	-	3.00
16-	45.5133-	114.0067-	2-	07-		0-L16218-	07/09/79-	14-	26-	14.9-	-	-	7.8-	35-	10-	2-	1-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.63
16-	45.5567-	114.0061-	2-	06-		0-L16219-	07/09/79-	14-	25-	13.2-	-	-	8.0-	6-	6-	2-	1-	5-	8-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	0.52
16-	45.5486-	114.0008-	2-	07-		0-L16220-	07/09/79-	15-	25-	15.4-	-	-	7.6-	52-	5-	4-	1-	3-	6-	3-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.97
16-	45.3056-	114.5153-	2-	07-		0-L16221-	07/10/79-	13-	24-	16.1-	-	-	8.3-	255-	10-	2-	1-	5-	8-	3-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	5.72
16-	45.3031-	114.5167-	2-	07-		0-L16222-	07/10/79-	13-	24-	11.6-	C-	-	8.3-	30-	18-	4-	1-	2-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	0.86
16-	45.3017-	114.5314-	2-	07-		0-L16223-	07/10/79-	13-	24-	13.1-	-	-	8.2-	51-	19-	4-	1-	2-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	1.21
16-	45.3031-	114.5386-	2-	07-		0-L16224-	07/10/79-	14-	24-	11.1-	-	-	7.9-	56-	15-	4-	1-	5-	8-	3-	3-	1-	2-	2-	3-	5-	2-	-1-	-	-	-	-	1.33
16-	45.3003-	114.5803-	2-	07-		0-L16225-	07/10/79-	14-	24-	14.9-	-	-	7.9-	101-	26-	2-	1-	2-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	2.02

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.3006-	114.5681-	2-	07-	0-	L16226-	07/10/79-	15-	25-	14.1-	-	-	8.3-	359-	12-2-1-5-8-2-3-1-2-1-2-5-1-													-1-	-	-	-	-	7.59
16-	45.3256-	114.5358-	2-	07-	0-	L16227-	07/10/79-	16-	25-	15.5-	-	-	8.1-	82-	8-4-1-3-6-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	2.85
16-	45.3261-	114.5353-	2-	07-	0-	L16228-	07/10/79-	16-	25-	14.9-	-	-	8.2-	42-	9-4-1-3-6-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	1.01
16-	45.3561-	114.5386-	2-	07-	0-	L16230-	07/10/79-	18-	24-	10.1-	-	-	8.4-	25-	20-2-1-2-6-3-3-1-1-1-3-5-1-													-1-	-	-	-	-	0.62
16-	45.3697-	114.5719-	2-	06-	0-	L16231-	07/10/79-	19-	23-	7.0-	-	-	8.1-	3-	9-2-1-5-8-3-3-1- -1-3-5-1-													-1-	-	-	-	-	0.21
16-	45.1333-	115.9633-	2-	07-	0-	L16232-	07/15/79-	12-	24-	9.7-	-	-	8.8-	2-	8-2-1-2-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.23
16-	45.1314-	115.9625-	2-	07-	0-	L16233-	07/15/79-	12-	24-	10.1-	-	-	8.2-	1-	12-2-1-2-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.54
16-	45.1136-	115.9500-	2-	07-	0-	L16234-	07/15/79-	14-	24-	11.7-	-	-	8.5-	1-	8-2-1-2-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.76
16-	45.1028-	115.9486-	2-	07-	0-	L16235-	07/15/79-	15-	24-	12.8-	-	-	7.5-	1-	11-2-1-2-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.01
16-	45.0922-	115.9439-	2-	07-	0-	L16236-	07/15/79-	16-	29-	10.3-	-	-	8.0-	1-	10-2-1-5-8-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.31
16-	45.0914-	115.9453-	2-	07-	0-	L16237-	07/15/79-	16-	24-	13.8-	-	-	7.6-	4-	8-2-1-2-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.20
16-	45.0350-	114.3878-	2-	07-	0-	L16238-	07/08/79-	15-	25-	9.3-	-	-	8.3-	41-	13-1-7-5-8-3-3-1-2-1-3-3-2-													-1-	-	-	-	-	0.56
16-	45.0333-	114.3889-	2-	07-	0-	L16239-	07/09/79-	15-	25-	12.5-	-	-	8.3-	129-	10-1-7-5-6-3-3-1-2-1-4-3-3-													-1-	-	-	-	-	2.11
16-	45.0033-	114.3342-	2-	07-	0-	L16240-	07/08/79-	15-	26-	11.5-	-	-	8.3-	36-	4-1-7-4-7-3-3-1-2-3-3-3-1-													-1-	-	-	-	-	0.55
16-	45.0222-	114.3142-	2-	07-	0-	L16241-	07/08/79-	15-	26-	14.0-	-	-	8.3-	63-	3-1-7-5-8-3-3-1-2-3-3-3-1-													-1-	-	-	-	-	1.21
16-	45.0214-	114.3128-	2-	07-	0-	L16242-	07/08/79-	16-	25-	16.7-	-	-	8.3-	56-	6-1-7-5-8-3-3-1-2-3-4-3-3-													-1-	-	-	-	-	0.66
16-	45.0236-	114.3106-	2-	07-	0-	L16243-	07/08/79-	16-	26-	13.3-	-	-	8.3-	26-	4-1-7-4-8-3-3-1-2-3-4-3-1-													-1-	-	-	-	-	0.46
16-	45.0400-	114.3431-	2-	07-	0-	L16244-	07/08/79-	16-	25-	9.7-	C-	-	8.0-	44-	4-1-3- - -2-3-1-2-1-4-4-1-													-1-	-	-	-	-	0.01
16-	45.0472-	114.3608-	2-	07-	0-	L16245-	07/08/79-	18-	25-	13.5-	C-	-	8.0-	78-	-1-7-5-6-3-3-1-2-3-4-3-1-													-3-	-	-	-	-	0.77
16-	45.0689-	114.2706-	2-	07-	0-	L16247-	07/08/79-	20-	24-	9.4-	-	-	8.0-	145-	6-1-7-5-8-2-3-1-2-1-3-3-1-													-1-	-	-	-	-	1.81
16-	45.0667-	114.2689-	2-	07-	0-	L16248-	07/08/79-	21-	25-	5.9-	C-	-	8.1-	115-	6-1-7-4-6-3-3-1-2-4-4-2-3-													-8-	-	-	-	-	1.85
16-	45.0461-	114.2811-	2-	07-	0-	L16249-	07/08/79-	21-	25-	10.2-	-	-	8.0-	64-	7-1-7-5-6-3-3-1-2-1-4-4-2-													-1-	-	-	-	-	0.92
16-	45.0003-	114.4764-	2-	07-	0-	L16250-	07/08/79-	20-	24-	12.4-	-	-	7.9-	73-	2-1-7-5-8-3-3-1-2-1-3-3-1-													-1-	-	-	-	-	0.29
16-	45.0011-	114.4783-	2-	07-	0-	L16251-	07/08/79-	20-	24-	11.3-	-	-	8.0-	32-	8-1-7-4-6-3-3-1-2-1-3-3-1-													-1-	-	-	-	-	0.95
16-	45.1253-	114.2139-	2-	07-	0-	L16252-	07/09/79-	13-	27-	11.2-	-	-	8.2-	19-	8-1-7-5-8-3-3-1-2-2-3-3-1-													-1-	-	-	-	-	0.64
16-	45.0917-	114.2258-	2-	07-	0-	L16253-	07/09/79-	13-	27-	7.0-	-	-	8.1-	75-	8-1-7-5-8-3-3-1-2-3-4-4-1-													-1-	-	-	-	-	2.77
16-	45.0789-	114.2503-	2-	07-	0-	L16254-	07/09/79-	14-	27-	4.7-	-	-	7.8-	100-	14-1-7-5-8-3-3-1-2-1-4-4-1-													-1-	-	-	-	-	2.67
16-	45.0381-	114.2175-	2-	07-	0-	L16255-	07/09/79-	14-	27-	10.5-	-	-	7.9-	70-	8-1-7-4-8-3-3-1-2-1-4-4-2-													-1-	-	-	-	-	1.68
16-	45.0903-	114.2972-	2-	07-	0-	L16256-	07/09/79-	17-	25-	9.5-	C-	-	8.0-	35-	8-1-7-5-8-2-3-1-2-2-4-5-2-													-1-	-	-	-	-	0.21
16-	45.0894-	114.3128-	2-	07-	0-	L16257-	07/09/79-	16-	27-	5.9-	C-	-	8.2-	23-	8-1-7-5-8-3-3-1-2-1-4-4-2-													-2-	-	-	-	-	0.01
16-	45.0881-	114.3436-	2-	07-	0-	L16259-	07/09/79-	16-	26-	7.0-	-	-	7.9-	23-	8-1-7-5-8-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.03
16-	45.0956-	114.3017-	2-	07-	0-	L16260-	07/09/79-	17-	25-	17.1-	C-	-	-	117-	-1-3-5-3-3-3-1-2-4-3-5-2-													-2-	-	-	-	-	0.89
16-	45.1169-	114.3472-	2-	07-	0-	L16261-	07/09/79-	17-	26-	10.1-	-	-	5.6-	30-	8-1-7-5-6-3-3-1-2-1-4-5-2-													-1-	-	-	-	-	0.18
16-	45.1650-	114.2619-	2-	07-	0-	L16262-	07/09/79-	19-	26-	8.3-	-	-	5.7-	24-	10-1-7-5-8-2-3-1-2-2-4-5-2-													-1-	-	-	-	-	2.46
16-	45.4703-	114.0014-	2-	07-	0-	L16263-	07/08/79-	12-	30-	11.1-	-	-	7.9-	177-	14-1-7-5-6-2-2-1-2-2-2-3-1-													-1-	-	-	-	-	3.41
16-	45.4700-	114.0172-	2-	07-	0-	L16264-	07/08/79-	13-	31-	12.4-	-	-	8.0-	185-	6-1-6-5-8-2-2-1-2-2-3-3-1-													-1-	-	-	-	-	2.85
16-	45.4500-	114.0728-	2-	06-	0-	L16265-	07/08/79-	14-	32-	13.5-	-	-	7.3-	34-	16-1-6-5-8-2-2-1- -1-3-3-1-													-1-	-	-	-	-	0.01
16-	45.4486-	114.0653-	2-	06-	0-	L16266-	07/08/79-	14-	33-	18.3-	-	-	7.6-	50-	10-1-6-5-6-2-2-1- -1-3-3-1-													-1-	-	-	-	-	0.15
16-	45.4889-	114.0942-	2-	06-	0-	L16267-	07/08/79-	15-	32-	9.0-	-	-	7.7-	59-	15-1-6-5-8-2-2-1- -1-3-3-1-													-1-	-	-	-	-	0.60
16-	45.4792-	114.0414-	2-	06-	0-	L16269-	07/08/79-	16-	30-	10.5-	C-	-	7.4-	147-	12-1-7- - -3-3-1- -2-1-3-1-													-1-	-	-	-	-	1.87
16-	45.4794-	114.0444-	2-	07-	0-	L16270-	07/08/79-	16-	30-	14.0-	C-	-	7.8-	164-	24-2-7-5-6-2-2-1-2-1-3-3-2-													-1-	-	-	-	-	2.52
16-	45.4758-	114.0447-	2-	07-	0-	L16271-	07/08/79-	16-	30-	8.1-	C-	-	7.8-	159-	14-2-7-5-6-2-2-1-2-1-3-3-2-													-1-	-	-	-	-	3.16
16-	45.4336-	114.0031-	2-	07-	0-	L16272-	07/08/79-	17-	28-	12.5-	-	-	7.4-	267-	6-2-7-5-6-2-2-1-2-2-2-3-2-													-1-	-	-	-	-	3.58
16-	45.4081-	114.1683-	2-	07-	0-	L16273-	07/08/79-	17-	30-	14.4-	-	-	7.7-	94-	16-2-7-5-6-3-3-1-2-2-2-3-1-													-1-	-	-	-	-	0.97
16-	45.4050-	114.1689-	2-	06-	0-	L16274-	07/08/79-	18-	30-	9.1-	C-	-	7.5-	136-	22-2-7- - -3-3-1- -2-2-3-1-													-1-	-	-	-	-	2.23
16-	45.4406-	114.1575-	2-	07-	0-	L16275-	07/08/79-	18-	29-	7.8-	-	-	7.9-	76-	17-2-7-5-8-2-2-1-2-2-4-3-2-													-1-	-	-	-	-	1.49
16-	45.4747-	114.1394-	2-	07-	0-	L16277-	07/08/79-	18-	29-	9.1-	-	-	7.7-	93-	12-2-7-5-6-2-2-1-2-2-2-3-2-													-1-	-	-	-	-	1.17
16-	45.4761-	114.1386-	2-	07-	0-	L16278-	07/08/79-	18-	29-	11.2-	-	-	7.8-	50-	10-2-7-5-6-3-3-1-2-2-2-3-2-													-1-	-	-	-	-	0.27
16-	45.4128-	114.0119-	2-	07-	0-	L16279-	07/08/79-	19-	28-	14.3-	-	-	7.6-	131-	16-1-7-5-6-2-2-1-2-2-2-2-2-													-1-	-	-	-	-	2.99
16-	45.4314-	114.2094-	2-	07-	0-	L16280-	07/09/79-	11-	32-	9.1-	-	-	7.4-	124-	14-1-7-5-6-2-2-1-2-2-3-3-2-													-1-	-	-	-	-	0.22
16-	45.4614-	114.2239-	2-	07-	0-	L16281-	07/09/79-	12-	32-	7.3-	-	-	7.8-	161-	8-2-7-5-8-2-2-1-2-2-3-3-2-													-1-	-	-	-	-	0.85

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																									U CONCENTRATION
							TIME SAMPLED																								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.4636-	114.2272-	2-	07-	0-	L16282-	08/09/79-	13-	30-	9.9-	-	-	8.0-	66-	6-	1-	7-	5-	8-	3-	3-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	-	0.21
16-	45.4514-	114.2106-	2-	06-	0-	L16283-	07/09/79-	14-	32-	19.5-	-	-	7.7-	225-	10-	1-	7-	6-	8-	2-	2-	1-	-4-	2-	3-	1-	-1-	-	-	-	-	-	-	0.60
16-	45.3881-	114.0506-	2-	08-	0-	L16284-	07/09/79-	14-	33-	15.1-	-	-	7.5-	136-	9-	1-	7-	-	-3-	3-	1-	-4-	2-	3-	2-	-1-	4-	-	-	-	-	-	-	0.47
16-	45.3189-	114.0364-	2-	07-	0-	L16285-	07/09/79-	16-	30-	18.0-	C-	-	6.9-	31-	24-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	3-	2-	-1-	-	-	-	-	-	0.09
16-	45.3047-	114.0403-	2-	07-	0-	L16287-	07/09/79-	17-	30-	15.4-	-	-	7.1-	22-	41-	1-	7-	4-	6-	3-	3-	1-	2-	2-	2-	2-	2-	-1-	-	-	-	-	-	0.41
16-	45.3039-	114.0425-	2-	07-	0-	L16288-	07/09/79-	17-	30-	16.9-	-	-	7.1-	20-	16-	1-	7-	5-	6-	3-	3-	1-	2-	2-	2-	2-	2-	-1-	-	-	-	-	-	0.25
16-	45.2894-	114.0744-	2-	07-	0-	L16289-	07/09/79-	17-	30-	11.1-	-	-	7.8-	15-	18-	1-	7-	5-	8-	2-	2-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	-	0.07
16-	45.2894-	114.0717-	2-	07-	0-	L16290-	07/09/79-	18-	30-	15.9-	-	-	7.3-	15-	4-	1-	7-	4-	6-	2-	2-	1-	2-	2-	3-	2-	2-	-1-	-	-	-	-	-	0.49
16-	45.2686-	114.0878-	2-	07-	0-	L16291-	07/09/79-	18-	29-	13.9-	-	-	7.4-	16-	18-	1-	7-	5-	8-	2-	2-	1-	2-	1-	2-	2-	2-	-1-	-	-	-	-	-	0.21
16-	45.2661-	114.0867-	2-	07-	0-	L16292-	07/09/79-	18-	28-	12.5-	-	-	7.2-	14-	14-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	2-	2-	-1-	-	-	-	-	-	0.21
16-	45.2906-	114.0322-	2-	07-	0-	L16293-	07/09/79-	19-	30-	13.5-	-	-	7.2-	20-	11-	1-	7-	5-	8-	2-	2-	1-	2-	4-	2-	2-	1-	-1-	-	-	-	-	-	0.24
16-	45.2819-	114.3044-	2-	07-	0-	L16295-	07/10/79-	12-	33-	13.5-	-	-	6.5-	109-	25-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	4-	1-	-1-	-	-	-	-	-	1.00
16-	45.2836-	114.2703-	2-	07-	0-	L16297-	07/10/79-	13-	33-	23.1-	-	-	7.0-	123-	25-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	4-	2-	-1-	-	-	-	-	-	2.44
16-	45.2808-	114.2664-	2-	07-	0-	L16298-	07/10/79-	13-	33-	9.4-	-	-	8.1-	13-	17-	1-	7-	5-	6-	3-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	-	0.25
16-	45.3069-	114.3383-	2-	06-	0-	L16299-	07/10/79-	15-	33-	68.2-	C-	-	7.2-	780-	12-	1-	7-	4-	9-	3-	3-	1-	-1-	2-	3-	1-	-1-	-	-	-	-	-	-	0.32
16-	45.3106-	114.3353-	2-	07-	0-	L16300-	07/10/79-	15-	33-	11.6-	-	-	9.5-	176-	6-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	3.25
16-	45.3519-	114.2797-	2-	07-	0-	L16301-	07/10/79-	17-	33-	17.9-	-	-	9.0-	198-	6-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	3.47
16-	45.3397-	114.2692-	2-	07-	0-	L16302-	07/10/79-	17-	33-	13.4-	-	-	8.7-	67-	2-	1-	7-	5-	8-	2-	2-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	-	0.45
16-	45.3492-	114.2678-	2-	07-	0-	L16303-	07/10/79-	17-	33-	15.4-	-	-	7.1-	44-	10-	1-	7-	4-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	1.36
16-	45.3375-	114.2622-	2-	07-	0-	L16304-	07/10/79-	18-	32-	11.1-	-	-	6.8-	83-	12-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	0.91
16-	45.3278-	114.2433-	2-	07-	0-	L16306-	07/10/79-	18-	32-	8.7-	-	-	8.9-	65-	30-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.29
16-	45.3289-	114.2383-	2-	07-	0-	L16307-	07/10/79-	18-	32-	10.9-	-	-	7.1-	18-	25-	1-	7-	5-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	0.12
16-	45.3475-	114.2731-	2-	07-	0-	L16308-	07/10/79-	19-	30-	15.7-	-	-	7.0-	53-	15-	1-	6-	5-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	-	0.91
16-	45.3956-	114.1153-	2-	07-	0-	L16311-	07/11/79-	13-	33-	13.2-	-	-	6.9-	135-	15-	1-	7-	4-	6-	2-	2-	1-	-3-	2-	3-	1-	-1-	-	-	-	-	-	-	2.91
16-	45.3933-	114.1300-	2-	07-	0-	L16312-	07/11/79-	14-	34-	13.4-	-	-	7.1-	419-	6-	1-	7-	5-	6-	2-	2-	1-	-3-	2-	3-	1-	-1-	-	-	-	-	-	-	11.18
16-	45.5031-	114.4625-	2-	06-	0-	L16313-	07/08/79-	13-	26-	39.2-	C-	-	-	298-	28-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-8-	-	-	-	-	-	-	0.73
16-	45.5033-	114.4708-	2-	07-	0-	L16314-	07/08/79-	13-	27-	10.5-	-	-	8.1-	16-	20-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.28
16-	45.5050-	114.4600-	2-	07-	0-	L16316-	07/08/79-	14-	28-	14.1-	-	-	8.5-	35-	30-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.83
16-	45.4953-	114.4319-	2-	07-	0-	L16317-	07/08/79-	15-	28-	8.3-	-	-	8.1-	8-	13-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.29
16-	45.4972-	114.4289-	2-	07-	0-	L16318-	07/08/79-	15-	28-	9.6-	-	-	8.1-	12-	11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.25
16-	45.4556-	114.4558-	2-	06-	0-	L16319-	07/08/79-	18-	26-	3.4-	-	-	8.7-	1-	23-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-3-	-	-	-	-	-	-	0.18
16-	45.4725-	114.4386-	2-	06-	0-	L16320-	07/08/79-	18-	26-	4.4-	-	-	9.1-	1-	10-	2-	1-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-3-	-	-	-	-	-	-	0.35
16-	45.4667-	114.3806-	2-	06-	0-	L16321-	07/08/79-	19-	25-	4.1-	-	-	9.1-	1-	17-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-3-	-	-	-	-	-	-	0.27
16-	45.3933-	114.2561-	2-	07-	0-	L16322-	07/08/79-	20-	23-	13.4-	-	-	-	39-	5-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	0.19
16-	45.4333-	114.2636-	2-	07-	0-	L16323-	07/09/79-	13-	31-	10.8-	-	-	-	219-	15-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	0.25
16-	45.4331-	114.2658-	2-	07-	0-	L16324-	07/09/79-	13-	31-	11.6-	-	-	-	136-	18-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	0.47
16-	45.4208-	114.2703-	2-	07-	0-	L16325-	07/09/79-	13-	31-	11.8-	-	-	-	80-	15-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	0.36
16-	45.4214-	114.2853-	2-	07-	0-	L16326-	07/09/79-	13-	32-	11.6-	-	-	-	19-	14-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	0.29
16-	45.4606-	114.3481-	2-	06-	0-	L16327-	07/09/79-	14-	31-	4.9-	-	-	8.5-	5-	20-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-3-	-	-	-	-	-	-	0.14
16-	45.3972-	114.4419-	2-	06-	0-	L16328-	07/09/79-	14-	30-	6.4-	C-	-	7.9-	3-	6-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	4-	2-	-3-	-	-	-	-	-	-	0.17
16-	45.4561-	114.3208-	2-	06-	0-	L16331-	07/09/79-	17-	28-	16.6-	-	-	8.1-	11-	24-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-3-	-	-	-	-	-	-	0.22
16-	45.4231-	114.2839-	2-	07-	0-	L16332-	07/09/79-	18-	28-	13.0-	-	-	-	154-	11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	4.82
16-	45.3442-	114.4628-	2-	06-	0-	L16333-	07/10/79-	12-	30-	44.5-	C-	-	9.2-	956-	35-	1-	7-	4-	6-	3-	3-	1-	-1-	3-	3-	2-	-8-	-	-	-	-	-	-	0.47
16-	45.3706-	114.4781-	2-	07-	0-	L16334-	07/10/79-	13-	30-	13.1-	-	-	8.1-	24-	20-	1-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.77
16-	45.3683-	114.4783-	2-	07-	0-	L16335-	07/10/79-	13-	31-	16.2-	-	-	8.7-	35-	10-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.54
16-	45.3403-	114.4603-	2-	07-	0-	L16336-	07/10/79-	14-	31-	13.4-	-	-	8.7-	44-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.94
16-	45.1461-	114.2217-	2-	07-	0-	L16337-	07/11/79-	11-	30-	10.2-	-	-	8.2-	183-	12-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	7.29
16-	45.1600-	114.2528-	2-	07-	0-	L16338-	07/11/79-	11-	30-	11.1-	-	-	-	31-	25-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	1.55
16-	45.2483-	114.2797-	2-	07-	0-	L16339-	07/11/79-	12-	31-	9.8-	-	-	-	49-	25-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	1.29
16-	45.2503-	114.3167-	2-	07-	0-	L16340-	07/11/79-	12-	31-	12.1-	-	-	-	61-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	1.47
16-	45.2747-	114.3319-	2-	07-	0-	L16341-	07/11/79-	13-	31-	13.4-	-	-	-	15-	15-	2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	3-	2-	-3-	-	-	-	-	-	0.07

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmhos/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (µg) UNITS IN ppb
16-	45.3261-	114.4239-	2-	07-	0-	L16342-	07/11/79-	13-	31-	11.9-	-	-	-	-	188-	17-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	2.77
16-	45.3197-	114.4483-	2-	07-	0-	L16343-	07/11/79-	13-	31-	15.1-	C-	-	9.3-	31-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.80
16-	45.3761-	114.2772-	2-	07-	0-	L16344-	07/11/79-	14-	30-	15.2-	C-	-	9.9-	15-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-2-	-	-	-	-	-	0.32
16-	45.3628-	114.2978-	2-	07-	0-	L16345-	07/11/79-	14-	30-	15.6-	-	-	-	43-	11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	1.03
16-	45.3131-	114.4047-	2-	07-	0-	L16346-	07/11/79-	14-	30-	13.8-	-	-	-	68-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.59
16-	45.3122-	114.4011-	2-	07-	0-	L16347-	07/11/79-	14-	30-	19.4-	-	-	-	52-	11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.65
16-	45.2289-	114.3206-	2-	07-	0-	L16352-	07/11/79-	16-	28-	14.1-	-	-	9.2-	294-	30-	2-	6-	5-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	70.60
16-	45.2175-	114.3214-	2-	07-	0-	L16353-	07/11/79-	16-	28-	13.1-	-	-	8.4-	21-	20-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	2.47
16-	45.2075-	114.3211-	2-	07-	0-	L16354-	07/11/79-	17-	28-	13.3-	-	-	8.5-	61-	40-	2-	6-	2-	7-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	2.79
16-	45.1489-	114.2383-	2-	07-	0-	L16355-	07/11/79-	18-	29-	11.7-	-	-	8.3-	54-	15-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.33
16-	45.1992-	115.8589-	2-	07-	0-	L16356-	07/15/79-	15-	26-	9.8-	-	-	7.7-	3-	12-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.11
16-	45.1611-	115.8925-	2-	07-	0-	L16357-	07/15/79-	17-	28-	4.9-	-	-	8.2-	1-	14-	2-	7-	3-	6-	3-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.18
16-	45.1611-	115.8939-	2-	07-	0-	L16358-	07/15/79-	17-	28-	9.4-	-	-	7.6-	3-	13-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.02
16-	45.1664-	115.8767-	2-	06-	0-	L16359-	07/15/79-	17-	28-	7.2-	-	-	8.3-	6-	7-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-1-	-	-	-	-	-	-	0.02
16-	45.1706-	115.8678-	2-	07-	0-	L16360-	07/15/79-	18-	27-	14.0-	-	-	7.7-	5-	12-	2-	6-	4-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.03
16-	45.3442-	115.6986-	2-	07-	0-	L16361-	07/17/79-	12-	28-	13.8-	-	-	8.1-	39-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.03
16-	45.3419-	115.6947-	2-	07-	0-	L16362-	07/17/79-	12-	29-	16.1-	-	-	7.6-	44-	35-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.43
16-	45.1639-	114.2975-	2-	07-	0-	L16364-	07/09/79-	20-	25-	11.0-	C-	-	6.0-	49-	-1-	7-	5-	8-	2-	3-	1-	2-	2-	4-	3-	2-	-1-	-	-	-	-	-	-	1.76
16-	45.1756-	114.3144-	2-	07-	0-	L16366-	07/09/79-	20-	25-	14.7-	-	-	6.1-	32-	10-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	1.11
16-	45.1758-	114.3122-	2-	07-	0-	L16367-	07/09/79-	20-	25-	16.7-	-	-	6.3-	24-	10-	1-	7-	4-	6-	4-	3-	1-	2-	2-	4-	4-	2-	-1-	-	-	-	-	-	0.48
16-	45.3994-	114.0292-	2-	07-	0-	L16369-	07/11/79-	12-	24-	5.3-	-	-	7.6-	158-	8-	3-	8-	2-	6-	3-	3-	1-	2-	1-	2-	4-	1-	-1-	-	-	-	-	-	1.81
16-	45.3822-	114.0628-	2-	07-	0-	L16370-	07/11/79-	13-	29-	21.2-	-	-	7.5-	75-	15-	1-	7-	4-	7-	3-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	-	0.56
16-	45.3747-	114.0867-	2-	07-	0-	L16371-	07/11/79-	14-	28-	14.6-	-	-	7.7-	61-	10-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.52
16-	45.3958-	114.1694-	2-	07-	0-	L16374-	07/11/79-	15-	27-	17.0-	-	-	7.5-	20-	25-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	1.01
16-	45.3975-	114.1861-	2-	07-	0-	L16375-	07/11/79-	15-	24-	14.1-	-	-	7.2-	68-	2-	1-	7-	4-	6-	3-	3-	1-	2-	2-	4-	3-	2-	-1-	-	-	-	-	-	3.39
16-	45.3603-	114.3125-	2-	07-	0-	L16378-	07/11/79-	17-	25-	14.5-	-	-	7.6-	95-	14-	1-	7-	4-	7-	2-	2-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	1.85
16-	45.2136-	115.8067-	2-	07-	0-	L16379-	07/15/79-	12-	28-	7.0-	-	-	8.1-	20-	14-	2-	7-	3-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	0.53
16-	45.3417-	114.3361-	2-	07-	0-	L16381-	07/11/79-	18-	24-	14.0-	-	-	6.6-	69-	1-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	2.01
16-	45.3308-	114.3653-	2-	07-	0-	L16382-	07/11/79-	21-	25-	14.2-	-	-	7.5-	93-	11-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	6.57
16-	45.3211-	114.3886-	2-	07-	0-	L16383-	07/11/79-	21-	25-	13.8-	-	-	7.2-	87-	14-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	5.75
16-	45.0614-	115.7692-	2-	07-	0-	L16385-	07/15/79-	13-	28-	9.6-	-	-	7.1-	20-	18-	1-	7-	4-	6-	3-	3-	1-	-4-	4-	4-	1-	-1-	-	-	-	-	-	-	0.39
16-	45.0831-	115.7833-	2-	07-	0-	L16386-	07/15/79-	14-	28-	11.1-	-	-	7.1-	20-	6-	1-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.60
16-	45.0828-	115.7864-	2-	07-	0-	L16387-	07/15/79-	14-	28-	11.8-	-	-	7.3-	15-	16-	1-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.86
16-	45.0653-	115.8394-	2-	07-	0-	L16388-	07/15/79-	15-	27-	10.6-	-	-	7.5-	12-	10-	1-	7-	4-	7-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	-	0.78
16-	45.0547-	115.8700-	2-	07-	0-	L16389-	07/15/79-	15-	27-	10.6-	-	-	7.2-	8-	11-	1-	7-	4-	3-	3-	3-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	-	0.78
16-	45.0519-	115.8972-	2-	07-	0-	L16390-	07/15/79-	16-	27-	12.6-	-	-	6.3-	7-	20-	1-	7-	4-	3-	3-	3-	1-	2-	2-	3-	5-	1-	-1-	-	-	-	-	-	0.81
16-	45.0225-	115.9269-	2-	07-	0-	L16391-	07/15/79-	17-	27-	13.7-	-	-	6.3-	6-	10-	1-	7-	4-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	-	0.52
16-	45.0119-	115.9478-	2-	07-	0-	L16392-	07/15/79-	17-	26-	11.1-	-	-	6.0-	4-	14-	1-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.61
16-	45.0003-	115.9453-	2-	07-	0-	L16393-	07/15/79-	17-	26-	13.5-	-	-	5.9-	6-	16-	1-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.54
16-	45.0489-	115.9039-	2-	07-	0-	L16394-	07/16/79-	12-	27-	9.9-	-	-	7.0-	8-	15-	2-	7-	4-	7-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.63
16-	45.0472-	115.6667-	2-	07-	0-	L16395-	07/16/79-	13-	27-	12.7-	-	-	7.0-	84-	8-	2-	7-	4-	7-	3-	3-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	-	5.23
16-	45.0428-	115.6769-	2-	07-	0-	L16396-	07/16/79-	13-	28-	12.1-	-	-	7.2-	50-	7-	2-	7-	4-	6-	3-	3-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	-	2.78
16-	45.0314-	115.6944-	2-	07-	0-	L16397-	07/16/79-	13-	28-	15.3-	-	-	7.3-	67-	6-	2-	7-	5-	8-	2-	2-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	-	1.36
16-	45.0350-	115.7350-	2-	07-	0-	L16398-	07/16/79-	14-	28-	15.6-	-	-	7.1-	88-	12-	2-	7-	4-	6-	2-	2-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	-	0.58
16-	45.0419-	115.7467-	2-	07-	0-	L16399-	07/16/79-	14-	28-	14.5-	-	-	7.4-	14-	10-	2-	7-	4-	6-	3-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	-	0.37
16-	45.0533-	115.7486-	2-	07-	0-	L16400-	07/16/79-	14-	28-	17.5-	-	-	7.0-	84-	4-	2-	7-	5-	8-	2-	2-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	0.60
16-	45.0969-	115.7089-	2-	07-	0-	L16401-	07/16/79-	15-	28-	12.1-	-	-	7.3-	15-	10-	2-	7-	4-	6-	3-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	-	0.41
16-	45.0186-	115.7144-	2-	06-	0-	L16402-	07/16/79-	15-	26-	17.5-	-	-	7.1-	48-	6-	2-	7-	5-	8-	2-	2-	1-	-2-	5-	4-	1-	-1-	-	-	-	-	-	-	0.18
16-	45.0044-	115.6933-	2-	07-	0-	L16403-	07/16/79-	17-	28-	14.4-	-	-	7.5-	128-	13-	2-	7-	4-	7-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	3.43
16-	45.0100-	115.4728-	2-	07-	0-	L16404-	07/17/79-	14-	28-	10.0-	-	-	7.5-	22-	8-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.98
16-	45.0089-	115.4700-	2-	07-	0-	L16405-	07/17/79-	14-	28-	10.3-	-	-	7.3-	21-	7-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.14

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-45.0067-115.3933-2-07-						0-L16406-07/17/79-18-	25-	8.0-	-	-	7.9-	83-	8-2-7-4-6-3-3-1-2-1-3-5-1-																				0.72
16-45.0286-115.4000-2-07-						0-L16407-07/17/79-19-	25-	6.5-	-	-	7.4-	143-	10-2-7-4-6-3-3-1-2-1-4-4-1-																				0.56
16-45.0200-115.3931-2-07-						0-L16408-07/17/79-19-	25-	10.5-	-	-	7.7-	55-	9-2-7-4-6-3-3-1-2-2-3-4-1-																				0.44
16-45.0269-115.4033-2-07-						0-L16409-07/18/79-13-	26-	12.0-	-	-	7.5-	32-	4-2-7-5-8-3-3-1-2-1-4-4-1-																				0.03
16-45.0306-115.4067-2-07-						0-L16410-07/18/79-15-	26-	14.4-	-	-	7.5-	39-	-2-7-5-8-3-3-1-2-1-4-4-1-																				0.41
16-45.0367-115.4164-2-07-						0-L16411-07/18/79-15-	26-	14.3-	C-	-	7.4-	25-	-2-7-5-8-3-3-1-2-1-4-4-1-																				0.58
16-45.0628-115.4156-2-07-						0-L16412-07/18/79-15-	27-	14.6-	C-	-	6.9-	10-	-2-7-5-8-3-3-1-2-1-3-5-1-																				0.43
16-45.1247-114.4969-2-07-						0-L16413-07/10/79-11-	25-	8.4-	-	-	7.8-	15-	41-1-6-3-1-4-3-1-1-1-4-4-1-																				0.97
16-45.1364-114.4892-2-07-						0-L16414-07/10/79-12-	25-	9.3-	-	-	7.5-	14-	33-1-6-3-1-3-3-1-1-1-4-4-1-																				0.70
16-45.1486-114.4767-2-07-						0-L16415-07/10/79-12-	26-	8.9-	-	-	7.3-	17-	33-1-6-2-1-4-3-1-2-1-4-4-1-																				1.59
16-45.1508-114.4772-2-07-						0-L16416-07/10/79-13-	26-	9.7-	-	-	7.1-	13-	25-1-6-3-1-3-3-1-2-1-4-4-1-																				0.31
16-45.1556-114.4694-2-07-						0-L16417-07/10/79-13-	26-	8.4-	-	-	7.3-	12-	37-1-6-2-1-3-3-1-2-1-4-4-1-																				0.58
16-45.1575-114.4503-2-07-						0-L16418-07/10/79-13-	26-	8.7-	-	-	7.2-	19-	33-1-6-2-1-4-3-1-2-1-4-4-1-																				0.81
16-45.1631-114.4383-2-07-						0-L16419-07/10/79-14-	26-	10.1-	-	-	7.1-	30-	-1-6-3-1-3-3-1-2-1-4-4-1-																				0.32
16-45.1653-114.4256-2-07-						0-L16420-07/10/79-14-	26-	8.2-	-	-	7.2-	49-	6-1-6-3-1-3-3-1-2-1-4-4-1-																				0.32
16-45.1756-114.4067-2-07-						0-L16421-07/10/79-15-	26-	10.4-	-	-	7.1-	116-	13-1-6-5-6-3-3-1-2-4-3-4-1-																				0.95
16-45.1581-114.3694-2-07-						0-L16423-07/10/79-16-	27-	10.6-	C-	-	7.1-	256-	20-1-6-3-5-3-3-1-2-1-3-4-1-																				0.19
16-45.1583-114.3714-2-07-						0-L16424-07/10/79-17-	26-	8.6-	-	-	7.1-	85-	8-1-6-3-6-3-3-1-2-1-4-4-1-																				1.79
16-45.1656-114.3675-2-07-						0-L16425-07/10/79-17-	26-	9.8-	C-	-	7.2-	104-	5-1-6-3-3-3-3-1-2-1-4-4-1-																				1.52
16-45.2406-115.8147-2-08-						0-L16426-07/15/79-13-	30-	6.3-	C-	-	7.8-	17-	11-2-6- - -2-3-1- -1-3-3-2-																				0.03
16-45.1069-114.1783-2-07-						0-L16427-07/12/79-11-	26-	5.6-	C-	-	7.6-	57-	4-1-7-5-6-2-2-1-2-1-3-4-3-																				1.20
16-45.1089-114.1761-2-07-						0-L16428-07/12/79-11-	25-	7.9-	C-	-	7.5-	33-	1-1-7-4-6-3-3-1-2-1-3-4-3-																				0.09
16-45.0875-114.1497-2-07-						0-L16429-07/12/79-12-	25-	5.1-	-	-	7.4-	29-	2-1-7-5-6-3-3-2-2-1-3-4-3-																				0.76
16-45.0692-114.1381-2-07-						0-L16430-07/11/79-13-	26-	7.0-	-	-	7.7-	24-	1-1-6-4-6-3-3-1-2-1-3-4-3-																				0.68
16-45.0689-114.1361-2-07-						0-L16431-07/11/79-13-	25-	7.4-	-	-	7.3-	34-	1-1-7-4-6-3-3-1-2-1-3-4-3-																				0.25
16-45.0947-114.1517-2-06-						0-L16432-07/11/79-15-	27-	8.7-	-	-	7.5-	45-	1-1-7-3-7-3-3-1- -1-3-4-3-																				0.29
16-45.0822-114.1619-2-07-						0-L16433-07/11/79-16-	27-	9.7-	C-	-	7.4-	46-	3-1-7-3-6-3-3-1-2-1-3-4-3-																				0.31
16-45.0131-114.0897-2-06-						0-L16434-07/11/79-16-	26-	6.4-	C-	-	7.7-	35-	0-1-7-7-6-2-2-1- -1-3-4-3-																				0.31
16-45.2408-115.7533-2-07-						0-L16435-07/15/79-17-	29-	5.6-	-	-	7.9-	17-	11-2-6-2-1-3-3-1-2-1-3-3-2-																				0.32
16-45.2258-115.8033-2-07-						0-L16436-07/15/79-12-	29-	7.1-	-	-	7.8-	17-	9-2-1-2-1-3-3-1-2-1-3-3-2-																				0.51
16-45.2272-115.8033-2-07-						0-L16437-07/15/79-13-	30-	8.9-	-	-	7.2-	16-	14-2-6-3-2-3-3-1-2-1-3-3-2-																				0.18
16-45.4000-114.1692-2-07-						0-L16439-07/11/79-15-	32-	14.1-	-	-	7.7-	150-	10-1-7-5-6-2-2-1-2-2-3-3-2-																				1.06
16-45.3983-114.2456-2-07-						0-L16441-07/11/79-16-	30-	15.8-	-	-	7.4-	453-	27-1-7-5-6-2-2-1-2-2-2-3-2-																				39.35
16-45.2644-114.1181-2-06-						0-L16442-07/12/79-15-	28-	11.8-	-	-	8.3-	14-	7-1-7-5-8-2-2-1- -1-3-3-2-																				0.13
16-45.2794-114.1547-2-06-						0-L16443-07/12/79-16-	28-	8.0-	-	-	8.0-	107-	16-1-7-5-8-2-2-1- -1-2-3-2-																				0.14
16-45.3422-114.1364-2-07-						0-L16444-07/12/79-18-	27-	12.5-	-	-	8.1-	15-	15-1-7-5-7-3-3-1-2-4-2-3-2-																				0.30
16-45.3433-114.1344-2-07-						0-L16445-07/12/79-18-	27-	12.2-	-	-	8.4-	16-	15-1-7-4-6-3-3-1-2-1-2-3-2-																				0.09
16-45.3472-114.1436-2-07-						0-L16446-07/12/79-18-	27-	11.9-	-	-	7.8-	19-	45-1-6-4-6-2-2-1-2-1-2-3-2-																				0.49
16-45.2547-114.1000-2-07-						0-L16447-07/12/79-19-	27-	10.0-	-	-	8.2-	13-	12-1-6-5-6-3-3-1-2-1-2-3-1-																				0.17
16-45.2008-115.9561-2-07-						0-L16448-07/15/79-12-	33-	7.8-	-	-	7.7-	11-	10-2-7-4-6-3-3-1-2-1-3-3-1-																				0.18
16-45.2000-115.9539-2-07-						0-L16449-07/15/79-12-	33-	7.5-	-	-	7.3-	9-	10-2-7-4-6-3-3-1-2-1-3-3-1-																				0.37
16-45.2264-115.9417-2-07-						0-L16450-07/15/79-13-	33-	10.7-	-	-	7.3-	12-	5-2-6-5-6-3-3-1-2-1-3-3-1-																				0.29
16-45.2197-115.9303-2-07-						0-L16451-07/15/79-13-	33-	8.3-	-	-	7.5-	12-	4-2-7-4-6-2-2-1-2-1-3-3-1-																				0.22
16-45.1811-115.9861-2-07-						0-L16452-07/15/79-14-	34-	11.1-	-	-	7.5-	13-	10-2-6-5-6-3-3-1-2-1-2-3-1-																				0.06
16-45.1767-115.9867-2-07-						0-L16453-07/15/79-14-	34-	12.8-	-	-	7.6-	11-	12-2-6-5-6-3-3-1-2-1-3-3-1-																				0.22
16-45.0847-115.9969-2-07-						0-L16454-07/15/79-15-	32-	13.8-	-	-	7.8-	11-	8-2-6-5-6-3-3-1-2-1-3-3-1-																				0.09
16-45.0767-115.9842-2-07-						0-L16455-07/15/79-16-	30-	19.9-	-	-	8.0-	8-	9-2-6-4-6-3-3-1-2-1-2-2-1-																				0.09
16-45.0617-115.9958-2-07-						0-L16456-07/15/79-17-	30-	14.4-	-	-	7.8-	9-	8-2-6-5-6-3-3-1-2-1-3-3-1-																				0.06
16-45.2464-115.6506-2-07-						0-L16457-07/16/79-13-	34-	9.9-	-	-	6.6-	19-	14-1-6-4-6-3-3-1-2-1-2-3-1-																				0.38
16-45.2442-115.6367-2-07-						0-L16458-07/16/79-13-	34-	7.8-	-	-	6.8-	16-	10-1-1-4-6-3-3-1-2-1-2-3-1-																				0.44
16-45.2428-115.6408-2-07-						0-L16459-07/16/79-13-	34-	7.1-	-	-	7.1-	18-	18-1-1-4-1-3-3-1-2-1-3-3-1-																				0.03

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
16-	45.2467-	115.6531-	2-	07-	0-	L16460-	07/16/79-	13-	34-	12.2-	-	-	6.8-	20-	6-	1-	6-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	0.02
16-	45.2364-	115.6781-	2-	07-	0-	L16461-	07/16/79-	14-	33-	9.8-	-	-	6.9-	13-	10-	2-	1-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.07
16-	45.2364-	115.6750-	2-	07-	0-	L16462-	07/16/79-	14-	33-	12.8-	-	-	6.2-	22-	6-	2-	1-	4-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	0.09
16-	45.1031-	114.4392-	2-	07-	0-	L16463-	07/10/79-	11-	25-	7.8-	-	-	7.6-	25-	17-	1-	7-	3-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.31
16-	45.1008-	114.4372-	2-	07-	0-	L16464-	07/10/79-	11-	25-	7.1-	-	-	7.5-	23-	11-	1-	7-	3-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.03
16-	45.0961-	114.4600-	2-	07-	0-	L16465-	07/10/79-	12-	25-	9.1-	-	-	7.1-	17-	7-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.1861-	114.1200-	2-	07-	0-	L16467-	07/10/79-	14-	28-	14.0-	-	-	7.3-	23-	9-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.1936-	114.1361-	2-	07-	0-	L16468-	07/10/79-	15-	28-	14.7-	-	-	7.6-	19-	7-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.2025-	114.1322-	2-	07-	0-	L16469-	07/10/79-	15-	28-	14.6-	-	-	7.8-	17-	15-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.17
16-	45.2075-	114.1342-	2-	07-	0-	L16470-	07/10/79-	15-	26-	16.4-	-	-	7.7-	14-	19-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.23
16-	45.2161-	114.1586-	2-	07-	0-	L16471-	07/10/79-	16-	29-	12.7-	-	-	7.4-	17-	3-	4-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.02
16-	45.2122-	114.1636-	2-	07-	0-	L16472-	07/10/79-	16-	28-	16.5-	-	-	7.9-	13-	15-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.20
16-	45.2169-	114.1747-	2-	07-	0-	L16473-	07/10/79-	16-	27-	13.6-	-	-	7.1-	8-	2-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.17
16-	45.2150-	114.1856-	2-	07-	0-	L16474-	07/10/79-	17-	29-	14.8-	-	-	7.4-	10-	25-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.03
16-	45.2131-	114.1853-	2-	07-	0-	L16475-	07/10/79-	17-	28-	13.5-	-	-	7.0-	9-	17-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.41
16-	45.2325-	114.2144-	2-	07-	0-	L16476-	07/10/79-	17-	28-	13.5-	-	-	7.3-	5-	7-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.04
16-	45.2222-	114.1197-	2-	07-	0-	L16477-	07/10/79-	18-	27-	10.4-	-	-	7.2-	7-	10-	4-	7-	3-	7-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.17
16-	45.2247-	114.1156-	2-	07-	0-	L16478-	07/10/79-	18-	27-	13.5-	-	-	7.3-	6-	13-	4-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.02
16-	45.2197-	114.1058-	2-	07-	0-	L16479-	07/10/79-	18-	26-	15.4-	-	-	7.1-	17-	17-	4-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.16
16-	45.2328-	114.0933-	2-	07-	0-	L16480-	07/10/79-	19-	26-	14.9-	-	-	7.1-	25-	16-	2-	1-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.17
16-	45.2394-	114.0739-	2-	07-	0-	L16481-	07/10/79-	19-	26-	9.1-	-	-	7.3-	18-	17-	2-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.06
16-	45.2378-	114.0742-	2-	07-	0-	L16482-	07/10/79-	19-	28-	13.2-	-	-	7.1-	16-	4-	2-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.44
16-	45.1100-	114.1150-	2-	06-	0-	L16483-	07/10/79-	21-	24-	7.1-	-	-	7.1-	8-	8-	1-	1-	3-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	-	0.92
16-	45.2539-	115.8972-	2-	07-	0-	L16484-	07/17/79-	11-	27-	10.6-	C-	-	-	1-	-2-	7-	3-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.19
16-	45.2569-	115.8789-	2-	07-	0-	L16485-	07/17/79-	11-	28-	10.1-	C-	-	9.9-	1-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.07
16-	45.2633-	115.8225-	2-	07-	0-	L16486-	07/17/79-	12-	28-	9.7-	C-	-	-	8-	-1-	1-	3-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.36
16-	45.2614-	115.8250-	2-	07-	0-	L16487-	07/17/79-	12-	28-	13.3-	C-	-	-	8-	-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.32
16-	45.2536-	115.8139-	2-	07-	0-	L16489-	07/17/79-	13-	28-	14.9-	C-	-	-	11-	-1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	0.74
16-	45.2722-	115.8383-	2-	07-	0-	L16490-	07/17/79-	14-	29-	13.5-	C-	-	-	6-	-1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.02
16-	45.2733-	115.8350-	2-	07-	0-	L16491-	07/17/79-	14-	29-	17.9-	C-	-	7.2-	8-	-1-	7-	4-	6-	3-	3-	2-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.86
16-	45.2864-	115.8406-	2-	07-	0-	L16492-	07/17/79-	14-	29-	12.7-	C-	-	9.6-	5-	-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.73
16-	45.2911-	115.8367-	2-	07-	0-	L16493-	07/17/79-	14-	29-	12.4-	C-	-	9.7-	8-	-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	1.06
16-	45.3089-	115.8214-	2-	07-	0-	L16494-	07/17/79-	14-	27-	14.2-	C-	-	-	4-	-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	0.92
16-	45.3364-	115.8072-	2-	07-	0-	L16495-	07/17/79-	15-	27-	15.2-	C-	-	7.8-	4-	-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	-	1.02
16-	45.3608-	115.7797-	2-	07-	0-	L16496-	07/17/79-	16-	28-	12.9-	C-	-	7.1-	11-	-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	0.97
16-	45.3617-	115.7833-	2-	07-	0-	L16497-	07/17/79-	16-	28-	11.8-	C-	-	7.1-	10-	-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	0.09
16-	45.3389-	115.7617-	2-	06-	0-	L16498-	07/17/79-	18-	25-	4.7-	C-	-	9.1-	1-	-1-	1-	5-	6-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	-	-	0.07
16-	45.3572-	115.7544-	2-	06-	0-	L16499-	07/17/79-	18-	26-	11.7-	C-	-	6.6-	-	-4-	1-	5-	6-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	-	-	0.01
16-	45.3719-	115.7500-	2-	06-	0-	L16500-	07/17/79-	18-	26-	9.0-	C-	-	6.8-	1-	-4-	1-	5-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	-	-	0.03
16-	45.2764-	115.8586-	2-	07-	0-	L16501-	07/17/79-	19-	25-	14.9-	C-	-	8.2-	5-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	-	0.03
16-	45.2517-	115.5414-	2-	07-	0-	L16502-	07/18/79-	16-	28-	11.7-	-	-	7.3-	45-	5-	2-	1-	3-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.18
16-	45.2586-	115.5403-	2-	07-	0-	L16503-	07/18/79-	17-	28-	11.8-	-	-	7.2-	44-	10-	2-	1-	5-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.49
16-	45.2589-	115.5367-	2-	07-	0-	L16504-	07/18/79-	17-	28-	12.3-	-	-	7.4-	40-	18-	2-	1-	5-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.79
16-	45.2800-	115.5819-	2-	06-	0-	L16505-	07/18/79-	19-	26-	17.5-	-	-	7.9-	12-	10-	1-	7-	5-	6-	2-	2-	1-	-1-	3-	4-	1-	-1-	-	-	-	-	-	-	0.23
16-	45.2550-	115.5008-	2-	07-	0-	L16506-	07/19/79-	9-	26-	12.9-	-	-	7.0-	69-	2-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	1.20
16-	45.2553-	115.5103-	2-	07-	0-	L16507-	07/19/79-	9-	26-	16.1-	-	-	7.4-	73-	9-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	0.69
16-	45.2289-	115.5572-	2-	07-	0-	L16508-	07/19/79-	10-	27-	9.6-	-	-	7.3-	35-	12-	1-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.19
16-	45.2203-	115.5703-	2-	07-	0-	L16509-	07/19/79-	10-	24-	13.9-	-	-	7.2-	56-	10-	2-	1-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	0.32
16-	45.2194-	115.5797-	2-	07-	0-	L16510-	07/19/79-	11-	27-	11.0-	-	-	7.3-	66-	10-	1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.35
16-	45.1542-	115.5883-	2-	07-	0-	L16511-	07/19/79-	13-	29-	16.4-	-	-	7.0-	28-	14-	2-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.49
16-	45.0003-	114.7275-	2-	07-	0-	L16512-	07/23/79-	10-	23-	6.5-	C-	-	7.1-	81-	-2-	6-	2-	6-	3-	3-	1-	2-	3-	2-	4-	3-	-1-	-	-	-	-	-	-	2.27

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.2394-	115.8142-	2-	07-	0-	L16513-	07/15/79-	13-	30-	15.6-	-	-	7.2-	19-	13-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.25
16-	45.2358-	115.8769-	2-	07-	0-	L16514-	07/15/79-	13-	31-	11.6-	-	-	7.5-	15-	11-	2-	6-	3-	2-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.44
16-	45.2297-	115.8756-	2-	07-	0-	L16515-	07/15/79-	13-	31-	12.7-	-	-	7.2-	22-	14-	2-	6-	3-	2-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.09
16-	45.2214-	115.8786-	2-	07-	0-	L16516-	07/15/79-	14-	30-	9.2-	-	-	7.7-	10-	8-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.08
16-	45.2211-	115.8775-	2-	07-	0-	L16517-	07/15/79-	14-	30-	9.3-	-	-	7.0-	14-	9-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.67
16-	45.1719-	115.8353-	2-	07-	0-	L16518-	07/15/79-	16-	27-	12.7-	-	-	7.6-	13-	5-	2-	6-	5-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.84
16-	45.1475-	115.8514-	2-	07-	0-	L16519-	07/15/79-	17-	27-	9.3-	-	-	7.8-	15-	5-	1-	6-	3-	1-	2-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.54
16-	45.1478-	115.8542-	2-	07-	0-	L16520-	07/15/79-	17-	26-	13.9-	-	-	7.3-	15-	9-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.07
16-	45.1867-	115.8322-	2-	07-	0-	L16521-	07/15/79-	18-	25-	11.5-	-	-	7.3-	18-	11-	2-	6-	3-	6-	4-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.21
16-	45.1892-	115.8300-	2-	07-	0-	L16522-	07/15/79-	18-	24-	12.6-	-	-	7.1-	18-	15-	2-	6-	3-	1-	4-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.03
16-	45.2158-	115.6075-	2-	06-	0-	L16523-	07/17/79-	11-	22-	13.3-	-	-	5.6-	115-	15-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	4-	1-	-1-	-1-	-	-	-	-	0.18
16-	45.2031-	115.6014-	2-	06-	0-	L16524-	07/17/79-	11-	24-	10.3-	-	-	5.9-	53-	8-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	4-	1-	-1-	-1-	-	-	-	-	1.20
16-	45.1878-	115.5719-	2-	07-	0-	L16525-	07/17/79-	12-	24-	12.1-	-	-	5.8-	31-	18-	2-	6-	1-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.07
16-	45.1714-	115.5758-	2-	07-	0-	L16526-	07/17/79-	12-	24-	12.9-	-	-	6.1-	113-	15-	2-	6-	5-	6-	2-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.41
16-	45.1528-	115.5828-	2-	07-	0-	L16527-	07/17/79-	12-	25-	12.2-	-	-	6.3-	33-	11-	2-	6-	1-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.44
16-	45.1314-	115.5811-	2-	07-	0-	L16528-	07/17/79-	13-	26-	11.5-	-	-	6.6-	100-	10-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	1.81
16-	45.1194-	115.5919-	2-	07-	0-	L16529-	07/17/79-	13-	27-	10.3-	-	-	6.8-	29-	16-	2-	6-	1-	1-	4-	4-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.21
16-	45.1164-	115.5925-	2-	07-	0-	L16530-	07/17/79-	13-	27-	11.3-	-	-	6.6-	32-	16-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.40
16-	45.1081-	115.5989-	2-	07-	0-	L16531-	07/17/79-	13-	27-	12.9-	-	-	6.8-	115-	12-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	3.11
16-	45.1061-	115.6011-	2-	07-	0-	L16532-	07/17/79-	14-	26-	14.6-	C-	-	6.8-	53-	16-	2-	6-	-	-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	1.54
16-	45.0919-	115.6172-	2-	06-	0-	L16533-	07/17/79-	14-	27-	13.6-	-	-	6.9-	49-	18-	2-	6-	3-	1-	3-	3-	1-	-1-	4-	4-	1-	-1-	-1-	-	-	-	-	0.81
16-	45.0911-	115.6178-	2-	07-	0-	L16534-	07/17/79-	14-	27-	8.7-	-	-	7.1-	27-	8-	2-	6-	-	-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.44
16-	45.0839-	115.6336-	2-	07-	0-	L16535-	07/17/79-	15-	27-	13.2-	-	-	7.2-	25-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.01
16-	45.0769-	115.6425-	2-	07-	0-	L16536-	07/17/79-	15-	26-	12.7-	-	-	7.1-	32-	6-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.25
16-	45.0878-	115.6269-	2-	06-	0-	L16537-	07/17/79-	16-	27-	11.7-	-	-	7.2-	23-	12-	2-	6-	3-	1-	3-	3-	1-	-1-	4-	4-	1-	-1-	-1-	-	-	-	-	0.17
16-	45.0758-	115.6253-	2-	07-	0-	L16538-	07/17/79-	18-	26-	12.9-	-	-	7.3-	29-	10-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.43
16-	45.2258-	115.6131-	2-	06-	0-	L16539-	07/17/79-	20-	24-	7.8-	-	-	7.7-	20-	4-	2-	6-	3-	1-	3-	3-	1-	-1-	4-	5-	1-	-1-	-1-	-	-	-	-	0.01
16-	45.2353-	115.7800-	2-	06-	0-	L16540-	07/17/79-	21-	20-	10.6-	-	-	7.3-	18-	7-	2-	6-	5-	1-	3-	3-	1-	-1-	3-	3-	1-	-1-	-1-	-	-	-	-	0.01
16-	45.1292-	115.3608-	2-	07-	0-	L16541-	07/20/79-	14-	26-	9.5-	-	-	8.4-	30-	8-	2-	6-	2-	1-	4-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.11
16-	45.1297-	115.3722-	2-	07-	0-	L16542-	07/20/79-	15-	27-	9.2-	-	-	7.7-	46-	12-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.43
16-	45.1567-	115.5872-	2-	07-	0-	L16543-	07/19/79-	13-	29-	14.1-	-	-	7.3-	30-	10-	2-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.42
16-	45.1606-	115.5819-	2-	07-	0-	L16544-	07/19/79-	14-	29-	19.9-	-	-	7.7-	136-	12-	2-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.61
16-	45.1508-	115.5678-	2-	07-	0-	L16545-	07/19/79-	15-	26-	11.0-	-	-	7.9-	22-	4-	2-	1-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.35
16-	45.1511-	115.5422-	2-	07-	0-	L16546-	07/19/79-	16-	29-	14.4-	-	-	7.8-	34-	31-	1-	7-	4-	6-	4-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.45
16-	45.1494-	115.5267-	2-	07-	0-	L16547-	07/19/79-	16-	28-	13.2-	-	-	7.7-	62-	16-	2-	1-	4-	8-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.93
16-	45.1136-	115.5117-	2-	07-	0-	L16548-	07/19/79-	18-	27-	11.6-	-	-	7.8-	23-	6-	2-	1-	5-	8-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.57
16-	45.1347-	115.5086-	2-	07-	0-	L16549-	07/19/79-	19-	28-	11.9-	-	-	7.5-	24-	4-	2-	1-	4-	6-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.24
16-	45.1353-	115.5069-	2-	07-	0-	L16550-	07/19/79-	19-	28-	11.5-	-	-	7.5-	22-	1-	2-	1-	4-	6-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.32
16-	45.1486-	115.5033-	2-	07-	0-	L16551-	07/19/79-	19-	27-	10.6-	-	-	7.4-	33-	4-	2-	1-	5-	8-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.16
16-	45.1639-	115.4650-	2-	07-	0-	L16552-	07/19/79-	20-	26-	11.1-	-	-	7.7-	19-	10-	2-	1-	5-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.09
16-	45.4133-	115.9722-	2-	07-	0-	L16553-	07/20/79-	13-	29-	11.1-	-	-	7.7-	20-	26-	1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.04
16-	45.4131-	115.9761-	2-	07-	0-	L16554-	07/20/79-	13-	29-	12.6-	-	-	7.6-	19-	16-	1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.07
16-	45.4172-	115.9086-	2-	07-	0-	L16555-	07/20/79-	13-	29-	12.6-	-	-	8.3-	18-	4-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.07
16-	45.4561-	115.9353-	2-	07-	0-	L16556-	07/20/79-	15-	29-	20.2-	-	-	7.6-	231-	8-	4-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.53
16-	45.4508-	115.9469-	2-	07-	0-	L16557-	07/20/79-	15-	30-	16.6-	-	-	7.9-	27-	5-	3-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.14
16-	45.4303-	115.9814-	2-	07-	0-	L16558-	07/20/79-	16-	33-	15.8-	-	-	7.8-	27-	1-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.05
16-	45.4311-	115.9839-	2-	06-	0-	L16559-	07/20/79-	16-	33-	22.2-	-	-	7.7-	165-	1-	1-	7-	-	-	3-	3-	1-	-1-	3-	4-	1-	-1-	-1-	-	-	-	-	1.27
16-	45.4261-	115.9997-	2-	06-	0-	L16560-	07/20/79-	17-	34-	15.3-	-	-	7.9-	137-	3-	1-	7-	4-	6-	2-	3-	1-	-1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.58
16-	45.3458-	115.9450-	2-	07-	0-	L16561-	07/20/79-	19-	28-	19.0-	-	-	8.1-	27-	11-	4-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.01
16-	45.3431-	115.9475-	2-	07-	0-	L16562-	07/20/79-	19-	28-	16.1-	-	-	7.7-	18-	5-	4-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.12
16-	45.3350-	115.7050-	2-	06-	0-	L16563-	07/17/79-	12-	29-	12.2-	-	-	7.8-	52-	6-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-1-	-1-	-	-	-	-	0.68

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER: STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER AND FIELD DATA: LASL SAMPLE LOCATION NUMBER	TIME SAMPLED: DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (μmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	U CONCENTRATION: WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16	45.3258	115.7083	2	07	0	L15564	07/17/79	13	29	15.3	-	-	7.7	26	12	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.37
16	45.3261	115.7050	2	07	0	L16565	07/17/79	13	29	18.5	-	-	7.5	29	8	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	1.00
16	45.3228	115.7031	2	06	0	L16566	07/17/79	13	29	9.9	-	-	7.4	1050	11	2	6	5	6	3	3	1		1	3	3	2		1	-	-	-	-	1.34
16	45.3206	115.6975	2	07	0	L16567	07/17/79	14	30	14.9	-	-	7.6	29	8	2	6	3	6	3	3	1	2	1	3	3	2		1	-	-	-	-	1.02
16	45.3058	115.6942	2	07	0	L16568	07/17/79	14	30	19.6	-	-	7.4	43	10	2	6	5	6	2	2	1	2	1	3	3	2		1	-	-	-	-	1.33
16	45.3053	115.7033	2	07	0	L16569	07/17/79	15	30	18.9	-	-	7.3	29	11	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.01
16	45.2950	115.6919	2	07	0	L16570	07/17/79	15	31	17.1	-	-	7.2	36	8	2	6	4	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.33
16	45.2878	115.6935	2	07	0	L16571	07/17/79	16	31	16.9	-	-	8.2	42	8	2	6	4	1	3	3	1	2	1	3	3	2		1	-	-	-	-	0.15
16	45.2750	115.7035	2	07	0	L16572	07/17/79	16	30	20.3	-	-	7.8	53	5	2	6	3	6	2	2	1	2	1	3	3	2		1	-	-	-	-	0.21
16	45.2628	115.6639	2	07	0	L16573	07/17/79	16	30	15.1	-	-	8.1	29	9	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.20
16	45.2633	115.6792	2	07	0	L16574	07/17/79	17	30	14.1	C	-	7.7	34	11	2	6	4	1	3	3	1	2	1	3	3	2		2	-	-	-	-	0.21
16	45.2694	115.6744	2	07	0	L16575	07/17/79	17	30	15.1	-	-	7.8	42	8	2	6	4	1	3	3	1	2	1	3	3	2		1	-	-	-	-	0.14
16	45.2603	115.7131	2	07	0	L16576	07/17/79	18	30	12.4	C	-	8.0	44	7	2	6	3	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.22
16	45.2614	115.7192	2	07	0	L16577	07/17/79	19	29	13.6	-	-	8.0	30	10	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.22
16	45.1814	115.9447	2	07	0	L16578	07/17/79	20	28	14.1	-	-	8.3	20	10	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.13
16	45.1375	115.3806	2	06	0	L16579	07/20/79	15	27	4.9	-	-	7.7	61	9	2	6	5	3	3	3	1		1	4	4	1		9	-	-	-	-	0.40
16	45.1461	115.3911	2	06	0	L16580	07/20/79	15	27	2.4	-	-	8.1	14	14	2	6	5	6	4	3	1		1	3	4	1		1	-	-	-	-	0.01
16	45.1706	115.3811	2	07	0	L16581	07/20/79	16	27	10.5	-	-	8.3	18	6	2	6	2	6	4	3	1	2	1	4	4	1		1	-	-	-	-	0.11
16	45.1700	115.3808	2	07	0	L16582	07/20/79	16	27	11.1	-	-	7.7	31	20	2	6	3	1	3	3	1	2	1	4	4	1		1	-	-	-	-	0.09
16	45.1606	115.3789	2	06	0	L16583	07/20/79	16	27	2.4	-	-	7.7	127	5	2	6	5	8	3	3	1		1	3	4	1		1	-	-	-	-	0.49
16	45.0925	115.3358	2	07	0	L16584	07/20/79	18	26	10.0	-	-	7.1	31	9	2	6	2	6	3	3	1	2	1	3	4	1		1	-	-	-	-	0.32
16	45.0128	114.7242	2	07	0	L16585	07/23/79	11	23	11.4	C	-	6.7	63		2	6	2	6	4	3	1	2	3	3	4	3		1	-	-	-	-	0.63
16	45.0336	114.7219	2	07	0	L16586	07/23/79	12	24	12.9	C	-	6.6	50		2	6	2	6	4	3	1	2	3	3	4	3		1	-	-	-	-	0.98
16	45.1433	115.0564	2	07	0	L16590	07/23/79	19	30	7.2	-	-	8.0	295	6	2	7	5	6	2	2	1		1	2	4	1		1	-	-	-	-	0.32
16	45.1511	115.0764	2	07	0	L16591	07/23/79	20	25	9.9	-	-	7.4	308	1	2	6	5	8	2	2	1	2	4	2	3	1		1	-	-	-	-	1.10
16	45.1636	115.1267	2	07	0	L16593	07/23/79	21	24	14.3	-	-	8.0	92	6	2	7	5	6	3	3	1	2	2	3	3	1		1	-	-	-	-	0.71
16	45.7958	115.7583	2	07	0	L16594	07/27/79	10	32	13.1	-	-	7.4	29	15	2	7	4	6	2	2	1	2	1	3	4	1		1	-	-	-	-	0.40
16	45.8064	115.7857	2	07	0	L16595	07/27/79	10	32	12.2	-	-	7.2	14	14	2	6	5	6	3	3	1	2	1	3	4	1		1	-	-	-	-	0.01
16	45.8128	115.8089	2	07	0	L16596	07/27/79	10	32	13.3	-	-	7.4	42	14	2	7	4	6	2	2	1	2	1	3	3	1		1	-	-	-	-	0.79
16	45.0189	115.1172	2	07	0	L16597	07/23/79	14	31	11.4	-	-	7.6	10	20	2	6	2	3	3	3	1	2	1	3	3	2		1	-	-	-	-	0.01
16	45.0189	115.1169	2	07	0	L16598	07/23/79	14	31	16.5	-	-	7.2	24	21	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.21
16	45.0314	115.1167	2	07	0	L16599	07/23/79	15	31	11.3	-	-	7.3	18	25	2	6	3	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.01
16	45.0403	115.1122	2	07	0	L16600	07/23/79	15	30	19.6	-	-	7.1	40	14	2	6	5	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.09
16	45.0386	115.1144	2	07	0	L16601	07/23/79	16	30	13.1	-	-	7.2	35	29	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.17
16	45.0586	115.1186	2	07	0	L16602	07/23/79	16	30	21.2	-	-	8.0	183	19	2	7	3	6	3	3	1	2	1	3	3	2		1	-	-	-	-	4.11
16	45.0619	115.1175	2	07	0	L16603	07/23/79	16	30	6.6	-	-	8.0	63	8	2	6	5	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.93
16	45.0617	115.1147	2	07	0	L16604	07/23/79	17	30	19.4	-	-	7.8	38	31	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.14
16	45.0819	115.1200	2	07	0	L16605	07/23/79	17	29	13.4	-	-	7.8	63	13	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.50
16	45.0858	115.1267	2	07	0	L16606	07/23/79	18	29	11.6	-	-	7.8	53	9	2	6	3	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.51
16	45.0919	115.1364	2	07	0	L16607	07/23/79	19	29	9.3	-	-	7.8	50	4	2	6	3	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.97
16	45.0931	115.1422	2	07	0	L16608	07/23/79	19	28	9.4	-	-	7.0	68	9	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.22
16	45.0967	115.1561	2	07	0	L16609	07/23/79	20	27	11.9	-	-	7.2	55	11	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.42
16	45.0981	115.1547	2	07	0	L16610	07/23/79	20	27	16.7	-	-	7.4	44	23	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.07
16	45.1172	115.1722	2	07	0	L16611	07/23/79	20	28	16.6	-	-	7.7	54	10	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.32
16	45.1339	115.1672	2	07	0	L16612	07/23/79	21	26	16.3	-	-	7.6	51	14	2	6	2	6	3	3	1	2	1	3	3	2		1	-	-	-	-	0.07
16	45.1067	115.6181	2	07	0	L16613	07/17/79	15	26	16.1	-	-	8.5	9	12	2	1	2	6	4	3	1	2	1	2	5	1		1	-	-	-	-	0.07
16	45.0972	115.6289	2	07	0	L16614	07/17/79	16	25	19.9	-	-	8.1	130	3	2	1	1	1	2	2	1	2	1	2	5	1		1	-	-	-	-	4.48
16	45.0908	115.6292	2	07	0	L16615	07/17/79	17	25	15.3	-	-	8.1	12	8	2	6	2	6	3	3	1	2	1	3	4	1		1	-	-	-	-	0.26
16	45.2969	115.5231	2	07	0	L16616	09/18/79	16	26	9.6	-	-	8.4	10	4	2	1	5	8	4	3	1	2	1	3	5	1		1	-	-	-	-	0.04
16	45.1467	115.5138	2	07	0	L16617	07/19/79	15	24	12.4	-	-	8.5	11	14	2	1	1	6	4	3	1	2	1	3	5	1		1	-	-	-	-	0.58
16	45.1528	115.5031	2	07	0	L16618	07/19/79	19	22	12.4	-	-	8.5	19	5	2	1	1	6	4	3	1	2	1	3	5	1		1	-	-	-	-	0.73

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
16-	45.0508-	114.7219-	2-	07-	0-	L16619-	07/23/79-	13-	24-	6.8-	C-	-	6.7-	101-	-	2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	4-	3-	-1-	-	-	-	-	1.69
16-	45.8097-	115.6556-	2-	07-	0-	L16620-	07/27/79-	20-	26-	13.2-	-	-	7.1-	27-	7-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.02
16-	45.8639-	115.4239-	2-	07-	0-	L16621-	07/29/79-	11-	28-	17.9-	-	-	7.9-	29-	9-	3-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.8647-	115.4233-	2-	07-	0-	L16622-	07/29/79-	11-	28-	15.6-	-	-	7.9-	14-	14-	3-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.07
16-	45.8494-	115.4136-	2-	07-	0-	L16624-	07/29/79-	12-	30-	13.8-	-	-	7.7-	12-	11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.8428-	115.4017-	2-	07-	0-	L16625-	07/29/79-	13-	31-	14.4-	-	-	7.6-	22-	14-	2-	6-	3-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.8556-	115.4158-	2-	07-	0-	L16626-	07/29/79-	12-	30-	23.9-	-	-	7.8-	15-	8-	2-	6-	2-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.8253-	115.4706-	2-	07-	0-	L16627-	07/29/79-	14-	32-	19.2-	-	-	7.7-	13-	28-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.7944-	115.3994-	2-	07-	0-	L16630-	07/29/79-	15-	32-	20.2-	-	-	7.7-	17-	9-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.57
16-	45.7800-	115.3839-	2-	07-	0-	L16631-	07/29/79-	15-	31-	18.8-	-	-	7.6-	12-	18-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.03
16-	45.7736-	115.3833-	2-	07-	0-	L16632-	07/29/79-	15-	31-	22.2-	-	-	7.3-	36-	18-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.47
16-	45.7664-	115.3856-	2-	07-	0-	L16633-	07/29/79-	15-	31-	15.8-	-	-	7.5-	11-	12-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.14
16-	45.7536-	115.3919-	2-	07-	0-	L15634-	07/29/79-	16-	30-	14.3-	-	-	7.4-	6-	5-	2-	6-	3-	6-	3-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.22
16-	45.7619-	115.3983-	2-	07-	0-	L16635-	07/29/79-	16-	30-	16.5-	-	-	7.3-	14-	7-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.7936-	115.4342-	2-	07-	0-	L15636-	07/29/79-	17-	30-	15.3-	-	-	7.3-	9-	13-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.02
16-	45.7919-	115.4517-	2-	07-	0-	L16637-	07/29/79-	18-	29-	15.4-	C-	-	7.3-	13-	-2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.30
16-	45.1958-	115.6811-	2-	07-	0-	L16638-	07/16/79-	15-	33-	12.9-	-	-	6.1-	11-	6-	1-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.32
16-	45.1583-	115.6639-	2-	07-	0-	L16639-	07/16/79-	16-	32-	9.5-	-	-	6.1-	12-	6-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.51
16-	45.1589-	115.6664-	2-	07-	0-	L16640-	07/16/79-	16-	32-	11.1-	-	-	6.2-	11-	14-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.40
16-	45.1608-	115.6586-	2-	06-	0-	L16641-	07/16/79-	17-	33-	11.6-	-	-	6.6-	16-	10-	2-	7-	4-	6-	2-	2-	1-	-1-	3-	4-	1-	-1-	-	-	-	-	-	0.21
16-	45.2375-	115.7325-	2-	07-	0-	L16642-	07/16/79-	20-	29-	13.1-	-	-	5.9-	18-	8-	2-	1-	4-	1-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	0.44
16-	45.0094-	115.7611-	2-	07-	0-	L16643-	07/19/79-	16-	38-	12.5-	-	-	6.6-	78-	12-	2-	6-	4-	6-	2-	2-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	9.33
16-	45.0181-	115.7675-	2-	07-	0-	L16644-	07/19/79-	16-	37-	15.4-	-	-	7.3-	51-	10-	2-	7-	4-	6-	2-	2-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.74
16-	45.0186-	115.7722-	2-	07-	0-	L16645-	07/19/79-	18-	36-	14.7-	-	-	8.0-	18-	12-	2-	1-	4-	6-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.51
16-	45.0169-	115.7719-	2-	07-	0-	L16646-	07/19/79-	18-	35-	15.1-	-	-	7.8-	39-	14-	2-	1-	4-	6-	2-	2-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.65
16-	45.1606-	115.2481-	2-	07-	0-	L16647-	07/22/79-	12-	26-	9.4-	-	-	6.0-	54-	21-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	4-	-1-	-	-	-	-	0.76
16-	45.1611-	115.2492-	2-	07-	0-	L16648-	07/22/79-	12-	26-	10.6-	-	-	6.7-	53-	18-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	4-	-1-	-	-	-	-	0.13
16-	45.1603-	115.2269-	2-	06-	0-	L16649-	07/22/79-	13-	26-	4.7-	-	-	6.6-	51-	15-	2-	6-	5-	6-	2-	2-	1-	-2-	3-	4-	3-	-1-	-	-	-	-	-	0.72
16-	45.1608-	115.2219-	2-	07-	0-	L16650-	07/22/79-	14-	26-	7.5-	-	-	7.2-	72-	10-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.28
16-	45.1650-	115.2114-	2-	07-	0-	L16651-	07/22/79-	14-	28-	5.7-	-	-	7.5-	94-	13-	2-	6-	5-	2-	3-	3-	1-	2-	2-	3-	4-	3-	-1-	-	-	-	-	1.10
16-	45.1672-	115.2119-	2-	07-	0-	L16652-	07/22/79-	15-	28-	9.7-	-	-	7.6-	47-	24-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	4-	3-	-1-	-	-	-	-	0.23
16-	45.1697-	115.2017-	2-	07-	0-	L16653-	07/22/79-	15-	29-	10.4-	-	-	7.6-	81-	12-	2-	6-	4-	3-	2-	2-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	0.73
16-	45.1783-	115.1600-	2-	07-	0-	L16654-	07/22/79-	17-	30-	10.5-	-	-	7.5-	42-	10-	2-	6-	2-	5-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.14
16-	45.1783-	115.1533-	2-	07-	0-	L16655-	07/22/79-	18-	28-	7.6-	-	-	7.7-	135-	7-	2-	6-	3-	6-	3-	3-	1-	2-	2-	3-	4-	2-	-1-	-	-	-	-	0.51
16-	45.1914-	115.0911-	2-	07-	0-	L16657-	07/23/79-	10-	28-	7.6-	-	-	5.5-	81-	6-	2-	6-	4-	6-	2-	3-	1-	2-	2-	2-	4-	1-	-1-	-	-	-	-	0.26
16-	45.1967-	115.0797-	2-	07-	0-	L16658-	07/23/79-	11-	30-	5.6-	-	-	6.0-	98-	7-	2-	6-	5-	6-	2-	2-	1-	2-	2-	4-	1-	-1-	-	-	-	-	-	0.48
16-	45.1964-	115.0775-	2-	07-	0-	L16659-	07/23/79-	11-	32-	6.5-	C-	-	6.2-	98-	6-	2-	6-	4-	6-	3-	3-	1-	2-	2-	4-	4-	1-	-2-	-	-	-	-	1.53
16-	45.1953-	115.0311-	2-	07-	0-	L16660-	07/23/79-	12-	32-	12.2-	-	-	6.2-	47-	20-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.54
16-	45.1950-	115.0300-	2-	07-	0-	L16661-	07/23/79-	12-	31-	13.0-	-	-	6.0-	49-	31-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	1.00
16-	45.2000-	115.0344-	2-	07-	0-	L16662-	07/23/79-	13-	32-	12.8-	-	-	6.5-	53-	20-	2-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.49
16-	45.0192-	115.4783-	2-	07-	0-	L16663-	07/17/79-	16-	27-	10.5-	-	-	8.0-	20-	4-	2-	7-	4-	7-	3-	3-	1-	1-	1-	4-	3-	2-	-1-	-	-	-	-	0.32
16-	45.0092-	115.3719-	2-	07-	0-	L16664-	07/18/79-	14-	26-	8.3-	-	-	7.9-	59-	-2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	1.00
16-	45.1069-	115.4100-	2-	07-	0-	L16665-	07/19/79-	15-	27-	10.8-	C-	-	7.7-	25-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	2-	-2-	-	-	-	-	-	0.49
16-	45.1147-	115.3497-	2-	07-	0-	L16666-	07/19/79-	16-	26-	9.5-	-	-	7.7-	22-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.81
16-	45.3808-	115.1509-	2-	07-	0-	L16667-	07/22/79-	10-	24-	11.3-	-	-	6.0-	63-	2-	2-	7-	4-	8-	3-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	1.23
16-	45.3794-	115.1454-	2-	07-	0-	L16668-	07/22/79-	10-	25-	10.3-	-	-	6.9-	90-	1-	2-	7-	4-	7-	2-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	0.77
16-	45.3711-	115.1253-	2-	07-	0-	L16669-	07/22/79-	11-	25-	12.4-	-	-	7.0-	65-	12-	2-	7-	1-	7-	4-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	0.50
16-	45.3725-	115.1258-	2-	07-	0-	L16670-	07/22/79-	11-	25-	13.0-	-	-	7.3-	56-	8-	2-	7-	1-	8-	3-	3-	1-	2-	1-	3-	3-	3-	-1-	-	-	-	-	0.22
16-	45.3831-	115.0917-	2-	07-	0-	L16671-	07/22/79-	12-	25-	12.2-	-	-	7.9-	66-	11-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	0.32
16-	45.3589-	115.0539-	2-	07-	0-	L16673-	07/22/79-	15-	25-	16.6-	-	-	8.0-	113-	9-	2-	7-	2-	7-	2-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	2.69
16-	45.3097-	115.1175-	2-	06-	0-	L16674-	07/22/79-	17-	25-	5.1-	-	-	8.0-	59-	3-	2-	7-	5-	8-	2-	3-	1-	-1-	3-	3-	2-	-1-	-	-	-	-	-	2.34

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																							U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.3103-	115.1172-	2-	07-		0-L16675-	07/22/79-	19-	23-	13.9-	-	-	8.1-	53-	10-	2-	7-	4-	8-	2-	3-	1-	1-	1-	4-	3-	2-	-1-	-	-	-	-	3.22
16-	45.2047-	115.0439-	2-	06-		0-L16676-	07/23/79-	13-	32-	28.4-	-	-	9.0-	181-	23-	1-	1-	5-	6-	2-	2-	1-	-1-	2-	3-	1-	-1-	-1-	-	-	-	-	0.39
16-	45.2131-	115.0608-	2-	07-		0-L16677-	07/23/79-	14-	33-	10.8-	-	-	7.8-	49-	30-	2-	6-	5-	8-	2-	2-	1-	2-	2-	2-	3-	1-	-1-	-	-	-	-	1.27
16-	45.2192-	115.0686-	2-	07-		0-L16678-	07/23/79-	15-	30-	11.3-	-	-	7.2-	36-	18-	2-	6-	5-	8-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	0.22
16-	45.2186-	115.0694-	2-	07-		0-L16679-	07/23/79-	15-	32-	10.7-	-	-	7.3-	37-	18-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.70
16-	45.3786-	115.1069-	2-	07-		0-L16681-	07/22/79-	12-	25-	10.5-	-	-	7.3-	139-	9-	2-	7-	4-	6-	2-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	3.33
16-	45.3108-	115.1164-	2-	07-		0-L16682-	07/22/79-	19-	26-	10.5-	-	-	8.3-	87-	2-	2-	7-	4-	8-	2-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	3.19
16-	45.3119-	115.1192-	2-	07-		0-L16683-	07/22/79-	18-	25-	17.1-	-	-	8.3-	81-	14-	2-	7-	4-	7-	2-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	2.90
16-	45.3478-	115.1522-	2-	07-		0-L16684-	07/22/79-	21-	24-	14.6-	-	-	8.3-	32-	11-	2-	7-	5-	8-	2-	3-	1-	1-	1-	4-	3-	1-	-1-	-	-	-	-	0.40
16-	45.3492-	115.1553-	2-	07-		0-L16685-	07/22/79-	21-	22-	12.1-	-	-	8.1-	25-	11-	2-	7-	5-	8-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	1.21
16-	45.4442-	115.2083-	2-	07-		0-L16686-	07/23/79-	11-	25-	8.9-	-	-	9.2-	38-	7-	2-	7-	5-	8-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.03
16-	45.4419-	115.2097-	2-	07-		0-L16687-	07/23/79-	11-	25-	10.4-	-	-	8.7-	43-	6-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.02
16-	45.0706-	115.3889-	2-	07-		0-L16688-	07/18/79-	16-	27-	7.2-	C-	-	8.5-	3-		-2-	7-	5-	6-	2-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.18
16-	45.0714-	115.3886-	2-	07-		0-L16689-	07/18/79-	16-	27-	11.7-	C-	-	8.1-	21-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.27
16-	45.0692-	115.3636-	2-	07-		0-L16690-	07/18/79-	16-	26-	13.1-	C-	-	6.8-	29-		-2-	7-	4-	7-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	1.45
16-	45.0697-	115.3642-	2-	07-		0-L16691-	07/18/79-	16-	26-	13.5-	-	-	7.1-	33-		-2-	7-	4-	7-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.18
16-	45.0814-	115.3383-	2-	07-		0-L16692-	07/18/79-	17-	26-	15.2-	C-	-	7.1-	34-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.27
16-	45.0817-	115.3361-	2-	07-		0-L16693-	07/18/79-	17-	26-	13.9-	C-	-	6.3-	17-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.46
16-	45.1006-	115.3228-	2-	07-		0-L16695-	07/18/79-	18-	28-	10.3-	C-	-	7.0-	105-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.30
16-	45.1183-	115.3278-	2-	07-		0-L16696-	07/18/79-	19-	25-	11.7-	C-	-	7.2-	41-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.55
16-	45.1178-	115.3281-	2-	07-		0-L16697-	07/18/79-	18-	25-	12.5-	C-	-	7.3-	51-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	5-	2-	1-	-1-	-	-	-	-	0.52
16-	45.1133-	115.3228-	2-	07-		0-L16698-	07/18/79-	19-	24-	15.1-	C-	-	7.1-	46-		-2-	7-	4-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	2.08
16-	45.1400-	115.3122-	2-	07-		0-L16700-	07/19/79-	10-	20-	6.0-	C-	-	7.5-	95-		-2-	7-	5-	8-	3-	3-	1-	2-	2-	4-	3-	3-	-1-	-	-	-	-	0.25
16-	45.1397-	115.3114-	2-	07-		0-L16701-	07/19/79-	10-	22-	8.8-	C-	-	7.9-	63-		-2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.17
16-	45.1528-	115.2969-	2-	07-		0-L16702-	07/19/79-	10-	24-	8.9-	C-	-	7.9-	59-		-2-	7-	4-	6-	3-	3-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	0.15
16-	45.1519-	115.2972-	2-	07-		0-L16703-	07/19/79-	10-	24-	9.0-	C-	-	8.0-	55-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.19
16-	45.1681-	115.3147-	2-	07-		0-L16704-	07/19/79-	11-	24-	7.3-	C-	-	8.0-	60-		-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.28
16-	45.1903-	115.3447-	2-	07-		0-L16705-	07/19/79-	12-	26-	10.8-	C-	-	8.1-	16-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.67
16-	45.1883-	115.3461-	2-	07-		0-L16706-	07/19/79-	12-	27-	9.5-	-	-	7.8-	76-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	1.43
16-	45.1978-	115.3511-	2-	07-		0-L16707-	07/19/79-	12-	26-	9.5-	C-	-	8.0-	23-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.69
16-	45.1978-	115.3522-	2-	07-		0-L16708-	07/19/79-	12-	26-	10.5-	C-	-	7.8-	20-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.40
16-	45.1147-	115.3789-	2-	07-		0-L16709-	07/19/79-	14-	25-	9.0-	C-	-	7.0-	58-		-2-	7-	5-	8-	2-	3-	1-	2-	1-	4-	3-	2-	-1-	-	-	-	-	0.28
16-	45.1158-	115.3908-	2-	07-		0-L16710-	07/19/79-	14-	26-	10.3-	C-	-	7.4-	34-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	2-	-1-	-	-	-	-	0.75
16-	45.1050-	115.4147-	2-	07-		0-L16711-	07/19/79-	14-	27-	11.6-	C-	-	7.4-	25-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	5-	4-	1-	-1-	-	-	-	-	0.63
16-	45.0989-	115.4075-	2-	07-		0-L16712-	07/19/79-	15-	26-	10.5-	C-	-	7.5-	25-		-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.22
16-	45.3328-	115.9436-	2-	07-		0-L16713-	07/20/79-	19-	27-	16.6-	-	-	7.7-	32-	15-	4-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.11
16-	45.3217-	115.9392-	2-	06-		0-L16714-	07/20/79-	20-	27-	5.4-	-	-	8.0-	13-	10-	1-	1-	5-	6-	2-	-1-	-1-	3-	3-	2-	-1-	-1-	-1-	-	-	-	-	0.21
16-	45.3083-	115.9242-	2-	07-		0-L16715-	07/20/79-	20-	26-	10.5-	-	-	7.7-	25-	2-	1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.01
16-	45.3094-	115.9272-	2-	07-		0-L16716-	07/20/79-	20-	26-	10.8-	-	-	7.8-	13-	1-	1-	1-	4-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.15
16-	45.3008-	115.9322-	2-	07-		0-L16717-	07/20/79-	21-	26-	16.9-	-	-	7.5-	23-	17-	1-	7-	4-	8-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	1.27
16-	45.2981-	115.9264-	2-	07-		0-L16718-	07/20/79-	21-	25-	11.8-	-	-	7.7-	18-	20-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.08
16-	45.2806-	115.9100-	2-	07-		0-L16719-	07/20/79-	21-	25-	11.3-	-	-	7.7-	18-	10-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.03
16-	45.2767-	115.9125-	2-	06-		0-L16720-	07/20/79-	21-	26-	42.3-	-	-	9.4-	336-	11-	4-	1-	5-	8-	3-	3-	1-	-1-	3-	3-	2-	-1-	-1-	-	-	-	-	0.32
16-	45.2675-	115.9144-	2-	07-		0-L16721-	07/20/79-	22-	24-	10.9-	-	-	8.6-	17-	17-	4-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	1.06
16-	45.2644-	115.9069-	2-	07-		0-L16722-	07/20/79-	22-	25-	12.1-	-	-	8.3-	20-	10-	4-	1-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.17
16-	45.1328-	115.0000-	2-	07-		0-L16723-	07/22/79-	11-	26-	10.2-	-	-	5.4-	49-	2-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	0.18
16-	45.1306-	114.9789-	2-	07-		0-L16725-	07/22/79-	12-	26-	11.1-	-	-	6.6-	93-	1-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	0.40
16-	45.1297-	114.9592-	2-	07-		0-L16727-	07/22/79-	13-	26-	9.9-	-	-	6.1-	212-	1-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	1.49
16-	45.1725-	114.9650-	2-	07-		0-L16728-	07/22/79-	15-	27-	8.9-	-	-	7.2-	90-	3-	1-	6-	4-	7-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	5.10
16-	45.1722-	114.9639-	2-	07-		0-L16729-	07/22/79-	15-	26-	13.1-	-	-	7.3-	24-	1-	1-	6-	4-	7-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	1.07
16-	45.1328-	114.9553-	2-	07-		0-L16730-	07/22/79-	16-	27-	16.1-	-	-	7.0-	51-	0-	1-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.61

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (θ) UNITS IN ppb
16-	45.1767-	114.9222-	2-	07-		0-L16731-	07/22/79-	19-	26-12.3-	-	-	-	6.9-	27-	21-1-6-4-6-4-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.40
16-	45.1769-	114.9228-	2-	07-		0-L16732-	07/22/79-	19-	26-12.9-	-	-	-	7.0-	81-	3-1-6-4-6-2-2-1-2-1-3-5-2-													-1-	-	-	-	-	3.30
16-	45.1456-	114.9292-	2-	07-		0-L16733-	07/22/79-	20-	24-13.5-	-	-	-	7.0-	34-	1-1-7-4-6-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.25
16-	45.1450-	114.9278-	2-	07-		0-L16734-	07/22/79-	21-	25- 9.2-	-	-	-	7.6-	73-	0-1-7-4-6-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.39
16-	45.1228-	114.9325-	2-	07-		0-L16736-	07/23/79-	9-	26-12.9-	-	-	-	7.1-	63-	2-1-6-4-1-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	0.23
16-	45.1044-	114.8606-	2-	07-		0-L16738-	07/23/79-	12-	28-13.9-	-	-	-	7.3-	67-	19-1-7-4-6-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	0.74
16-	45.0789-	114.8503-	2-	07-		0-L16739-	07/23/79-	15-	27-10.5-	-	-	-	7.1-	82-	20-1-6-4-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.94
16-	45.0794-	114.8511-	2-	07-		0-L16740-	07/23/79-	15-	27-10.6-	-	-	-	7.7-	203-	26-1-6-5-8-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	5.98
16-	45.1014-	114.8500-	2-	07-		0-L16741-	07/23/79-	16-	28-12.0-	-	-	-	7.5-	91-	7-1-6-2-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.87
16-	45.1056-	114.8486-	2-	07-		0-L16742-	07/23/79-	19-	26-12.0-	-	-	-	7.1-	72-	2-1-6-4-6-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	0.85
16-	45.3664-	115.1894-	2-	07-		0-L16743-	07/23/79-	19-	24- 9.4-	-	-	-	7.8-	56-	13-2-7-5-8-2-3-1-1-1-4-3-1-													-1-	-	-	-	-	1.51
16-	45.8700-	115.5586-	2-	06-		0-L16744-	07/28/79-	11-	28- 7.5-	-	-	-	5.6-	12-	19-1-3-4-6-2- -1- -1-3-4-1-													-3-	-	-	-	-	0.08
16-	45.8822-	115.5397-	2-	06-		0-L16745-	07/28/79-	12-	28- 7.7-	-	-	-	7.3-	7-	11-1-6-5-8-2- -1- -1-4-4-1-													-1-	-	-	-	-	0.73
16-	45.9981-	115.5228-	2-	07-		0-L16746-	07/28/79-	14-	27-15.3-	-	-	-	6.8-	13-	6-1-7-5-7-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	0.30
16-	45.9983-	115.5239-	2-	07-		0-L16747-	07/28/79-	14-	28-14.4-	-	-	-	6.2-	11-	6-1-7-4-6-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	0.08
16-	45.9592-	115.5161-	2-	07-		0-L16748-	07/28/79-	16-	26-13.1-	-	-	-	6.8-	8-	7-1-7-4-8-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.07
16-	45.8278-	115.6044-	2-	07-		0-L16749-	07/29/79-	14-	29-15.4-	-	-	-	7.5-	32-	13-1-7-4-7-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	0.05
16-	45.9675-	115.5472-	2-	06-		0-L16750-	07/28/79-	18-	26- 4.9-	-	-	-	6.7-	12-	11-1-7-5-6-2-2-1- -1-3-4-2-													-1-	-	-	-	-	0.34
16-	45.9753-	115.5933-	2-	06-		0-L16751-	07/28/79-	19-	25- 6.9-	-	-	-	6.1-	5-	14-1-7-4-6-2- -1- -1-3-4-2-													-1-	-	-	-	-	0.22
16-	45.9717-	115.5736-	2-	07-		0-L16752-	07/28/79-	20-	25-11.5-	-	-	-	6.4-	13-	14-2-1-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	1.15
16-	45.9714-	115.5725-	2-	07-		0-L16753-	07/28/79-	20-	26- 7.9-	-	-	-	6.8-	7-	9-2-1-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	0.95
16-	45.9250-	115.5958-	2-	07-		0-L16754-	07/29/79-	11-	27-10.5-	-	-	-	6.9-	15-	14-1-1-4-7-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.31
16-	45.9242-	115.5953-	2-	07-		0-L16755-	07/29/79-	11-	27-10.4-	-	-	-	7.1-	17-	14-1-1-4-7-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.18
16-	45.8908-	115.6225-	2-	07-		0-L16756-	07/29/79-	12-	28-12.1-	-	-	-	7.1-	22-	16-1-7-4-6-2-2-1-2-1-3-4-1-													-1-	-	-	-	-	0.05
16-	45.8811-	115.6158-	2-	07-		0-L16757-	07/29/79-	12-	29-14.1-	-	-	-	7.0-	22-	11-1-7-4-6-2-2-1-2-1-3-4-1-													-1-	-	-	-	-	0.56
16-	45.8653-	115.6178-	2-	07-		0-L16758-	07/29/79-	12-	29-15.9-	-	-	-	7.2-	11-	20-1-7-4-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.20
16-	45.8633-	115.6139-	2-	07-		0-L16759-	07/29/79-	12-	29-13.9-	-	-	-	7.3-	21-	9-1-7-4-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	0.71
16-	45.8489-	115.6161-	2-	07-		0-L16760-	07/29/79-	13-	28-10.9-	-	-	-	7.5-	61-	14-1-7-4-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	1.43
16-	45.7903-	115.6072-	2-	07-		0-L16761-	07/29/79-	14-	29-17.7-	-	-	-	7.5-	30-	14-1-7-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	0.52
16-	45.8300-	115.6136-	2-	07-		0-L16762-	07/29/79-	14-	29-21.3-	-	-	-	7.5-	24-	12-1-7-7-7-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	0.54
16-	45.0572-	114.7247-	2-	07-		0-L16763-	07/23/79-	13-	24-11.6-C-		-	-	6.8-	99-	-2-6-2-6-2-2-1-3-3-3-4-3-													-1-	-	-	-	-	1.38
16-	45.0675-	114.7258-	2-	07-		0-L16764-	07/23/79-	14-	26-10.2-C-		-	-	7.2-	55-	-2-6-2-6-3-3-1-2-3-4-4-3-													-1-	-	-	-	-	1.03
16-	45.0778-	114.7250-	2-	07-		0-L16765-	07/23/79-	14-	26-12.5-C-		-	-	7.2-	87-	-2-6-2-7-4-3-1-2-3-3-4-3-													-1-	-	-	-	-	1.32
16-	45.0925-	114.7286-	2-	07-		0-L16766-	07/23/79-	14-	22-14.1-C-		-	-	7.3-	73-	-2-6-1-1-5-3-1-2-3-3-5-4-													-1-	-	-	-	-	0.56
16-	45.0919-	114.7281-	2-	06-		0-L16767-	07/23/79-	15-	25-12.2-C-		-	-	7.3-	26-	-2-6-5-8-2-3-1- -3-3-5-4-													-1-	-	-	-	-	1.24
16-	45.1233-	114.6792-	2-	07-		0-L16768-	07/23/79-	17-	25- 9.4-C-		-	-	7.6-	27-	-2-6-2-6-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.49
16-	45.1236-	114.6753-	2-	07-		0-L16769-	07/23/79-	18-	26- 9.9-C-		-	-	7.7-	17-	-2-6-2-1-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	0.79
16-	45.1161-	114.6683-	2-	07-		0-L16770-	07/23/79-	18-	26- 9.3-C-		-	-	7.3-	19-	-2-6-2-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	0.23
16-	45.1200-	114.6706-	2-	06-		0-L16771-	07/23/79-	19-	25-14.6-C-		-	-	7.3-	47-	-2-6-5-8-2-2-1- -1-4-4-2-													-1-	-	-	-	-	0.30
16-	45.1014-	114.7750-	2-	07-		0-L16774-	07/24/79-	9-	22-12.2-C-		-	-	6.9-	60-	-2-6-2-1-5-3-1-2-1-3-5-1-													-1-	-	-	-	-	0.39
16-	45.1075-	114.7833-	2-	07-		0-L16775-	07/24/79-	10-	23-12.1-C-		-	-	7.2-	127-	-2-6-3-1-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	13.15
16-	45.1078-	114.8061-	2-	07-		0-L16777-	07/24/79-	11-	27- 8.8-C-		-	-	7.5-	130-	-2-6-3-1-3-3-1-2-3-3-4-1-													-1-	-	-	-	-	7.91
16-	45.1039-	114.8197-	2-	07-		0-L16778-	07/24/79-	12-	27-12.8-C-		-	-	7.6-	83-	-2-6-2-1-3-3-1-2-1-3-3-1-													-1-	-	-	-	-	1.57
16-	45.3567-	115.0019-	2-	07-		0-L16779-	07/25/79-	15-	26-10.1-	-	-	-	7.5-	93-	12-2-6-3-1-3-3-1-2-1-4-4-1-													-1-	-	-	-	-	8.80
16-	45.3558-	115.0039-	2-	07-		0-L16780-	07/25/79-	15-	27-16.0-	-	-	-	7.5-	55-	20-2-6-2-1-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	1.19
16-	45.3347-	115.0222-	2-	07-		0-L16781-	07/25/79-	14-	26-11.2-	-	-	-	7.4-	71-	12-2-6-2-1-3-3-1-2-1-4-4-1-													-1-	-	-	-	-	1.21
16-	45.3306-	115.0214-	2-	06-		0-L16782-	07/25/79-	16-	26-11.6-	-	-	-	7.5-	128-	15-2-6-5-8-2-2-1- -1-4-4-1-													-1-	-	-	-	-	8.73
16-	45.3164-	115.0211-	2-	07-		0-L16783-	07/25/79-	17-	26-13.6-	-	-	-	7.5-	55-	16-2-6-3-1-3-3-1-2-1-3-3-1-													-1-	-	-	-	-	2.20
16-	45.3206-	115.0153-	2-	07-		0-L16784-	07/25/79-	17-	26-14.4-	-	-	-	7.4-	101-	25-2-6-5-8-2-2-1-1-4-4-3-1-													-1-	-	-	-	-	4.89
16-	45.3164-	115.0253-	2-	07-		0-L16785-	07/25/79-	17-	25-12.3-	-	-	-	7.6-	77-	15-2-6-3-1-2-3-1-2-1-3-3-1-													-1-	-	-	-	-	2.24
16-	45.1011-	114.8275-	2-	07-		0-L16786-	07/24/79-	13-	28-11.2-C-		-	-	7.5-	61-	-2-6-2-6-3-3-1-2-1-4-4-1-													-1-	-	-	-	-	0.72

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT COLOR	SEDIMENT TYPE	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (µg) UNITS IN ppb
16-	45.1042-	114.8483-	2-	06-	0-	L16787-	07/24/79-	19-	26-	12.8-	C-	-	7.4-	75-	-	2-	6-	3-	1-	2-	3-	1-	-	1-	3-	3-	1-	-	1-	-	-	-	-	1.60
16-	45.8272-	115.8753-	2-	07-	0-	L16788-	07/29/79-	11-	26-	16.2-	C-	-	7.7-	75-	-	2-	6-	2-	6-	2-	3-	1-	2-	1-	4-	4-	1-	-	1-	-	-	-	-	0.01
16-	45.4294-	115.1950-	2-	07-	0-	L16789-	07/23/79-	12-	26-	9.7-	-	-	8.6-	47-	10-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	0.28
16-	45.4264-	115.1936-	2-	06-	0-	L16790-	07/23/79-	12-	26-	6.7-	-	-	8.4-	69-	8-	2-	7-	5-	8-	2-	3-	1-	-	1-	3-	3-	1-	-	1-	-	-	-	-	1.15
16-	45.3986-	115.1931-	2-	07-	0-	L16791-	07/23/79-	13-	27-	12.1-	-	-	8.1-	32-	6-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.03
16-	45.3983-	115.1914-	2-	07-	0-	L16792-	07/23/79-	13-	27-	13.6-	-	-	7.9-	27-	4-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	0.07
16-	45.3836-	115.2056-	2-	07-	0-	L16793-	07/23/79-	14-	28-	10.8-	-	-	7.8-	48-	17-	2-	7-	5-	8-	2-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	0.56
16-	45.3553-	115.2489-	2-	07-	0-	L16794-	07/23/79-	17-	27-	14.4-	-	-	7.7-	31-	10-	2-	7-	2-	7-	4-	3-	1-	2-	1-	4-	3-	1-	-	1-	-	-	-	-	1.04
16-	45.3558-	115.2479-	2-	07-	0-	L16795-	07/23/79-	17-	27-	15.6-	-	-	7.7-	22-	8-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	0.11
16-	45.3606-	115.2247-	2-	07-	0-	L16796-	07/23/79-	18-	26-	12.4-	-	-	7.8-	35-	12-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	0.32
16-	45.3717-	115.2061-	2-	07-	0-	L16797-	07/23/79-	18-	25-	17.1-	-	-	7.7-	9-	10-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.63
16-	45.3733-	115.2072-	2-	07-	0-	L16798-	07/23/79-	19-	25-	17.5-	-	-	7.9-	34-	14-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	2-	1-	-	1-	-	-	-	-	0.85
16-	45.7761-	115.8819-	2-	07-	0-	L16799-	07/30/79-	13-	28-	14.9-	-	-	8.7-	15-	12-	2-	7-	2-	6-	2-	2-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	0.07
16-	45.7747-	115.8839-	2-	07-	0-	L16800-	07/30/79-	14-	28-	14.7-	-	-	8.6-	11-	12-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	0.49
16-	45.7739-	115.8914-	2-	07-	0-	L16801-	07/30/79-	15-	30-	16.9-	-	-	8.4-	20-	13-	2-	7-	2-	1-	4-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.18
16-	45.7747-	115.8917-	2-	07-	0-	L16802-	07/30/79-	15-	30-	15.4-	-	-	8.5-	16-	12-	2-	7-	1-	7-	4-	3-	2-	1-	1-	3-	4-	1-	-	1-	-	-	-	-	0.33
16-	45.7750-	115.8969-	2-	07-	0-	L16803-	07/30/79-	15-	30-	15.0-	-	-	8.1-	112-	8-	2-	7-	2-	7-	3-	3-	1-	1-	1-	4-	4-	1-	-	1-	-	-	-	-	0.19
16-	45.8053-	115.8856-	2-	07-	0-	L16806-	07/30/79-	18-	27-	15.6-	-	-	8.5-	60-	16-	2-	7-	2-	7-	2-	3-	1-	1-	1-	4-	5-	1-	-	1-	-	-	-	-	0.27
16-	45.8050-	115.8869-	2-	07-	0-	L16807-	07/30/79-	18-	28-	17.4-	-	-	8.8-	19-	17-	2-	7-	2-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-	1-	-	-	-	-	0.52
16-	45.6639-	115.8525-	2-	07-	0-	L16808-	07/29/79-	14-	28-	10.9-	-	-	8.4-	4-	8-	2-	7-	2-	1-	3-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.07
16-	45.6639-	115.8536-	2-	07-	0-	L16809-	07/29/79-	14-	29-	13.3-	-	-	8.2-	21-	8-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	0.06
16-	45.6689-	115.8617-	2-	06-	0-	L16810-	07/29/79-	16-	29-	16.6-	-	-	8.3-	16-	8-	2-	7-	5-	8-	2-	3-	1-	-	1-	3-	3-	1-	-	1-	-	-	-	-	0.33
16-	45.6592-	115.8689-	2-	07-	0-	L16811-	07/29/79-	16-	29-	18.6-	-	-	8.0-	57-	11-	2-	7-	2-	6-	2-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	0.09
16-	45.6675-	115.8886-	2-	07-	0-	L16812-	07/29/79-	17-	27-	9.0-	-	-	8.7-	20-	7-	2-	7-	3-	1-	3-	3-	1-	1-	1-	4-	3-	1-	-	1-	-	-	-	-	0.02
16-	45.2828-	114.9417-	2-	07-	0-	L16813-	07/22/79-	10-	22-	11.5-	-	-	7.1-	28-	10-	2-	7-	5-	8-	2-	3-	1-	2-	4-	5-	2-	4-	-	1-	-	-	-	-	0.32
16-	45.2814-	114.9422-	2-	07-	0-	L16814-	07/22/79-	10-	22-	13.1-	-	-	7.7-	21-	10-	2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	2-	4-	-	1-	-	-	-	-	0.37
16-	45.2819-	114.9028-	2-	07-	0-	L16816-	07/22/79-	10-	22-	9.2-	-	-	8.0-	16-	25-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	4-	-	1-	-	-	-	-	0.25
16-	45.3167-	114.8747-	2-	07-	0-	L16817-	07/22/79-	12-	23-	10.7-	-	-	8.1-	22-	10-	2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	3-	3-	-	1-	-	-	-	-	0.84
16-	45.3175-	114.8822-	2-	07-	0-	L16818-	07/22/79-	13-	22-	10.7-	-	-	8.0-	20-	12-	2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	3-	3-	-	1-	-	-	-	-	0.22
16-	45.3164-	114.8842-	2-	07-	0-	L16819-	07/22/79-	13-	22-	13.6-	-	-	8.1-	20-	9-	1-	7-	5-	8-	3-	3-	1-	2-	4-	5-	3-	3-	-	1-	-	-	-	-	0.81
16-	45.3189-	114.8733-	2-	06-	0-	L16820-	07/22/79-	14-	25-	4.6-	-	-	7.5-	41-	13-	1-	7-	5-	8-	2-	3-	1-	-	4-	5-	4-	3-	-	1-	-	-	-	-	0.80
16-	45.3211-	114.8722-	2-	07-	0-	L16821-	07/22/79-	15-	24-	12.8-	-	-	7.4-	20-	20-	3-	7-	5-	8-	3-	3-	1-	2-	4-	5-	3-	3-	-	1-	-	-	-	-	0.41
16-	45.3189-	114.8647-	2-	07-	0-	L16822-	07/22/79-	15-	24-	12.1-	-	-	8.1-	28-	7-	2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	4-	2-	-	1-	-	-	-	-	0.36
16-	45.3325-	114.8500-	2-	07-	0-	L16823-	07/22/79-	16-	25-	14.1-	-	-	7.9-	36-	10-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	2-	-	1-	-	-	-	-	0.14
16-	45.3344-	114.8458-	2-	07-	0-	L16824-	07/22/79-	17-	25-	10.2-	-	-	7.6-	27-	14-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	3-	-	1-	-	-	-	-	0.40
16-	45.3256-	114.8269-	2-	06-	0-	L16825-	07/22/79-	17-	25-	9.1-	-	-	7.7-	26-	10-	2-	7-	5-	8-	2-	3-	1-	-	1-	4-	5-	2-	-	1-	-	-	-	-	1.04
16-	45.3239-	114.8228-	2-	07-	0-	L16826-	07/22/79-	19-	24-	10.0-	-	-	7.2-	19-	12-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	2-	-	1-	-	-	-	-	0.51
16-	45.3050-	114.9425-	2-	06-	0-	L16827-	07/23/79-	11-	25-	8.1-	-	-	7.7-	11-	8-	2-	7-	5-	8-	2-	3-	1-	-	1-	4-	4-	1-	-	1-	-	-	-	-	0.08
16-	45.3492-	114.9517-	2-	07-	0-	L16828-	07/23/79-	14-	26-	11.8-	-	-	7.9-	33-	10-	2-	6-	5-	8-	3-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.72
16-	45.3492-	114.9528-	2-	07-	0-	L16829-	07/23/79-	14-	26-	11.1-	-	-	7.7-	50-	14-	2-	7-	4-	6-	2-	3-	1-	2-	4-	5-	2-	1-	-	1-	-	-	-	-	1.17
16-	45.3572-	114.9333-	2-	07-	0-	L16830-	07/23/79-	15-	25-	12.0-	-	-	8.1-	53-	12-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-	1-	-	-	-	-	2.27
16-	45.2856-	114.9450-	2-	06-	0-	L16831-	07/23/79-	20-	22-	10.4-	-	-	6.8-	20-	4-	2-	7-	6-	8-	2-	3-	1-	-	4-	5-	3-	1-	-	1-	-	-	-	-	0.01
16-	45.3003-	115.0281-	2-	07-	0-	L16832-	07/25/79-	10-	22-	9.9-	-	-	7.3-	40-	16-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.40
16-	45.2900-	115.0286-	2-	07-	0-	L16833-	07/25/79-	11-	23-	7.9-	-	-	7.5-	36-	35-	2-	6-	3-	1-	2-	2-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	1.65
16-	45.2839-	115.0292-	2-	07-	0-	L16834-	07/25/79-	11-	24-	8.5-	-	-	7.4-	23-	27-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-	1-	-	-	-	-	1.82
16-	45.2836-	115.0297-	2-	07-	0-	L16835-	07/25/79-	11-	25-	8.1-	-	-	7.2-	35-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-	1-	-	-	-	-	2.29
16-	45.2911-	115.0361-	2-	07-	0-	L16836-	07/25/79-	12-	26-	8.1-	-	-	7.3-	45-	25-	2-	6-	3-	3-	3-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	3.94
16-	45.2917-	115.0367-	2-	07-	0-	L16837-	07/25/79-	12-	27-	10.7-	-	-	7.4-	42-	33-	2-	6-	2-	3-	3-	3-	1-	1-	1-	3-	3-	1-	-	1-	-	-	-	-	1.43
16-	45.1344-	115.1681-	2-	07-	0-	L16838-	07/23/79-	21-	26-	6.6-	-	-	7.6-	123-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-	1-	-	-	-	-	4.26
16-	45.1392-	115.1631-	2-	07-	0-	L16839-	07/23/79-	21-	26-	8.1-	-	-	7.9-	51-	11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-	1-	-	-	-	-	1.63
16-	45.1597-	115.1300-	2-	07-	0-	L16840-	07/23/79-	22-	25-	15.6-	-	-	7.7-	53-	5-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-	1-	-	-	-	-	4.03

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmhos/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
16-	45.1722-	115.1947-	2-	07-	0-	L16841-	07/24/79-	11-	30-	11.9-	-	-	7.5-	103-	18-	2-	6-	5-	6-	2-	2-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	-	0.26
16-	45.1636-	115.2425-	2-	07-	0-	L16842-	07/24/79-	12-	30-	10.3-	-	-	7.8-	37-	16-	2-	7-	4-	6-	3-	3-	1-	2-	1-	2-	4-	1-	-1-	-	-	-	-	-	0.23
16-	45.1581-	115.2714-	2-	06-	0-	L16843-	07/24/79-	13-	32-	7.8-	-	-	7.7-	52-	12-	2-	7-	5-	6-	2-	2-	1-	-2-	2-	4-	1-	-1-	-	-	-	-	-	-	1.07
16-	45.1286-	115.3231-	2-	07-	0-	L16844-	07/24/79-	16-	33-	8.8-	-	-	8.1-	81-	19-	2-	7-	5-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	0.42
16-	45.9017-	115.7131-	2-	06-	0-	L16845-	07/27/79-	12-	29-	7.6-	-	-	8.8-	6-	9-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	-	0.09
16-	45.9231-	115.7217-	2-	06-	0-	L16846-	07/27/79-	13-	29-	7.0-	C-	-	8.3-	7-	12-	2-	6-	4-	6-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	-	0.18
16-	45.9297-	115.6764-	2-	07-	0-	L16847-	07/27/79-	14-	30-	12.3-	-	-	7.6-	7-	6-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.03
16-	45.9308-	115.6764-	2-	07-	0-	L16848-	07/27/79-	14-	30-	13.1-	-	-	7.3-	6-	11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.44
16-	45.8967-	115.6275-	2-	07-	0-	L16849-	07/27/79-	15-	30-	17.8-	-	-	7.2-	10-	11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.58
16-	45.8844-	115.6264-	2-	07-	0-	L16850-	07/27/79-	15-	30-	16.2-	-	-	7.2-	2-	11-	2-	6-	3-	3-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.29
16-	45.8381-	115.6425-	2-	07-	0-	L16851-	07/27/79-	16-	31-	15.4-	-	-	7.2-	8-	12-	2-	7-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.03
16-	45.8469-	115.6475-	2-	07-	0-	L16852-	07/27/79-	16-	30-	17.9-	-	-	7.1-	6-	7-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.46
16-	45.8275-	115.6264-	2-	07-	0-	L16853-	07/27/79-	16-	30-	17.6-	-	-	7.0-	8-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.40
16-	45.8244-	115.6322-	2-	07-	0-	L16854-	07/27/79-	17-	30-	18.8-	-	-	7.1-	26-	12-	2-	6-	2-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.32
16-	45.8144-	115.6311-	2-	07-	0-	L16855-	07/27/79-	17-	30-	17.6-	-	-	7.1-	17-	14-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.67
16-	45.8128-	115.6486-	2-	07-	0-	L16856-	07/27/79-	17-	30-	15.9-	-	-	7.2-	8-	9-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.51
16-	45.8389-	115.6778-	2-	07-	0-	L16857-	07/27/79-	18-	29-	12.9-	-	-	7.7-	1-	5-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	1.20
16-	45.8072-	115.6942-	2-	07-	0-	L16858-	07/27/79-	18-	28-	15.7-	-	-	7.5-	11-	5-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.56
16-	45.7983-	115.7358-	2-	07-	0-	L16859-	07/27/79-	18-	28-	15.1-	-	-	7.2-	9-	9-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	1.49
16-	45.8033-	115.7022-	2-	07-	0-	L16860-	07/27/79-	19-	28-	15.1-	-	-	6.9-	16-	9-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	1.63
16-	45.8028-	115.6922-	2-	07-	0-	L16861-	07/27/79-	19-	27-	14.1-	-	-	6.9-	17-	21-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.32
16-	45.8061-	115.6822-	2-	07-	0-	L16862-	07/27/79-	19-	27-	16.9-	-	-	6.8-	11-	5-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	1.06
16-	45.7831-	115.9336-	2-	06-	0-	L16863-	07/27/79-	10-	24-	22.6-	C-	-	7.2-	128-		-2-	6-	5-	6-	1-	3-	2-	-1-	3-	3-	1-	-3-	-	-	-	-	-	-	0.54
16-	45.8183-	115.9381-	2-	07-	0-	L16864-	07/27/79-	11-	26-	13.5-	C-	-	7.4-	40-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.8297-	115.9317-	2-	07-	0-	L16865-	07/27/79-	11-	27-	15.4-	C-	-	7.4-	43-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.38
16-	45.7981-	115.9636-	2-	06-	0-	L16866-	07/27/79-	12-	27-	16.3-	C-	-	7.3-	168-		-2-	6-	5-	6-	2-	2-	1-	-1-	3-	4-	1-	-3-	-	-	-	-	-	-	0.18
16-	45.7953-	115.9586-	2-	07-	0-	L16867-	07/27/79-	12-	27-	13.8-	C-	-	7.6-	37-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.38
16-	45.8008-	115.9803-	2-	07-	0-	L16868-	07/27/79-	12-	27-	10.8-	C-	-	7.5-	96-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.52
16-	45.8247-	115.9436-	2-	06-	0-	L16869-	07/27/79-	13-	28-	26.3-	C-	-	7.2-	303-		-2-	6-	5-	1-	2-	2-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	-	0.68
16-	45.8308-	115.9425-	2-	07-	0-	L16870-	07/27/79-	13-	28-	14.0-	C-	-	7.8-	300-		-2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.79
16-	45.8325-	115.9669-	2-	07-	0-	L16871-	07/27/79-	13-	28-	16.9-	C-	-	7.9-	250-		-2-	6-	3-	1-	2-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	1.52
16-	45.8294-	115.9711-	2-	07-	0-	L16875-	07/27/79-	14-	28-	18.6-	C-	-	7.5-	135-		-2-	6-	2-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.45
16-	45.8306-	115.9261-	2-	07-	0-	L16876-	07/27/79-	14-	28-	20.9-	-	-	7.9-	54-	9-	2-	6-	1-	6-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	1.02
16-	45.8811-	115.9183-	2-	07-	0-	L16877-	07/27/79-	15-	28-	14.8-	-	-	7.8-	128-	9-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.50
16-	45.9119-	115.9189-	2-	07-	0-	L16879-	07/27/79-	16-	28-	15.8-	-	-	7.7-	226-	17-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	1.91
16-	45.9372-	115.8261-	2-	07-	0-	L16881-	07/27/79-	16-	27-	13.7-	-	-	7.8-	15-	8-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.29
16-	45.9364-	115.8258-	2-	07-	0-	L16882-	07/27/79-	17-	28-	14.9-	-	-	8.1-	17-	6-	2-	6-	3-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.39
16-	45.9444-	115.8483-	2-	07-	0-	L16883-	07/27/79-	17-	28-	13.6-	-	-	7.6-	33-	5-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.17
16-	45.9136-	115.8717-	2-	07-	0-	L16884-	07/27/79-	17-	26-	14.3-	-	-	7.6-	27-	17-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.05
16-	45.8992-	115.8269-	2-	06-	0-	L16885-	07/27/79-	18-	25-	7.9-	-	-	8.1-	8-	19-	2-	6-	5-	8-	2-	2-	1-	-1-	4-	3-	1-	-1-	-	-	-	-	-	-	0.05
16-	45.9228-	115.8889-	2-	07-	0-	L16886-	07/27/79-	19-	24-	14.7-	-	-	7.6-	42-	4-	2-	6-	1-	7-	2-	2-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.42
16-	45.9236-	115.8900-	2-	07-	0-	L16887-	07/27/79-	19-	24-	14.8-	-	-	7.2-	114-	5-	2-	6-	2-	1-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	1.05
16-	45.9011-	115.9036-	2-	07-	0-	L16888-	07/27/79-	19-	24-	15.7-	-	-	7.8-	63-	8-	2-	6-	2-	1-	2-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.50
16-	45.9047-	115.8875-	2-	07-	0-	L16889-	07/27/79-	20-	22-	13.2-	-	-	7.5-	51-	12-	2-	6-	2-	1-	3-	3-	1-	2-	1-	5-	4-	1-	-1-	-	-	-	-	-	0.35
16-	45.9056-	115.8875-	2-	07-	0-	L16890-	07/27/79-	20-	22-	17.1-	-	-	7.6-	26-	9-	2-	6-	2-	1-	4-	3-	1-	2-	1-	5-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.8594-	115.9033-	2-	06-	0-	L16891-	07/27/79-	20-	20-	16.9-	C-	-	7.2-	139-	5-	2-	6-	5-	8-	2-	3-	1-	-1-	5-	4-	1-	-1-	-	-	-	-	-	-	0.01
16-	45.8275-	115.8783-	2-	07-	0-	L16892-	07/29/79-	11-	26-	15.1-	C-	-	7.7-	128-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.41
16-	45.9522-	115.9697-	2-	07-	0-	L16893-	07/29/79-	12-	26-	18.4-	C-	-	7.8-	235-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.07
16-	45.9597-	115.9575-	2-	07-	0-	L16894-	07/29/79-	12-	27-	16.2-	C-	-	8.1-	152-		-2-	6-	5-	8-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.48
16-	45.9533-	115.9297-	2-	07-	0-	L16895-	07/29/79-	12-	27-	15.9-	C-	-	8.1-	114-		-2-	6-	4-	6-	2-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.38
16-	45.9636-	115.9094-	2-	07-	0-	L16896-	07/29/79-	13-	27-	14.6-	C-	-	8.2-	56-		-2-	6-	5-	8-	2-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.43

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
16-	45.9692-	115.9156-	2-	06-		0-	L16897-	07/29/79-	13-	28-	22.6-	C-	-	7.6-	173-		-2-	6-	5-	8-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	0.27
16-	45.9783-	115.8800-	2-	06-		0-	L16898-	07/29/79-	13-	29-	5.4-	C-	-	8.0-	51-		-2-	6-	5-	8-	2-	2-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	0.01
16-	45.9786-	115.8519-	2-	07-		0-	L16899-	07/29/79-	13-	28-	10.8-	C-	-	7.5-	57-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.76
16-	45.9944-	115.8283-	2-	07-		0-	L16900-	07/29/79-	14-	28-	12.1-	C-	-	7.8-	17-		-2-	6-	2-	6-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.49
16-	45.9678-	115.7833-	2-	06-		0-	L16901-	07/29/79-	14-	28-	18.2-	C-	-	7.5-	52-		-2-	6-	5-	8-	2-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	0.30
16-	45.9678-	115.7825-	2-	07-		0-	L16902-	07/29/79-	15-	28-	14.7-	C-	-	8.1-	15-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.35
16-	45.9831-	115.7936-	2-	06-		0-	L16903-	07/29/79-	15-	27-	11.2-	C-	-	7.6-	10-		-2-	6-	5-	6-	2-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	0.01
16-	45.9833-	115.8031-	2-	07-		0-	L16904-	07/29/79-	16-	27-	12.9-	C-	-	7.9-	12-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.01
16-	45.9883-	115.8803-	2-	07-		0-	L16905-	07/29/79-	16-	27-	10.8-	C-	-	7.5-	56-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.01
16-	45.9778-	115.9617-	2-	07-		0-	L16906-	07/29/79-	17-	26-	21.1-	C-	-	7.8-	150-		-2-	6-	2-	1-	2-	3-	1-	2-	1-	3-	3-	1-	-9-	-	-	-	-	0.32
16-	45.9900-	115.9606-	2-	07-		0-	L16907-	07/29/79-	17-	26-	20.4-	C-	-	7.9-	255-		-2-	6-	2-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.34
16-	45.9969-	115.9211-	2-	07-		0-	L16908-	07/29/79-	18-	26-	19.0-	C-	-	8.1-	60-		-2-	6-	2-	1-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.01
16-	45.9914-	115.9667-	2-	07-		0-	L16909-	07/29/79-	18-	26-	18.4-	C-	-	7.9-	173-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.38
16-	45.8233-	115.8886-	2-	07-		0-	L16910-	07/30/79-	20-	24-	17.6-	-	-	8.5-	17-		19-	2-	7-	1-	7-	4-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.03
16-	45.9144-	115.9989-	2-	07-		0-	L16911-	07/29/79-	18-	25-	18.9-	C-	-	8.1-	185-			-2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.01
16-	45.6756-	115.8375-	2-	07-		0-	L16912-	07/29/79-	13-	27-	14.7-	-	-	8.4-	19-		12-	2-	7-	1-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.05
16-	45.8114-	115.8100-	2-	07-		0-	L16913-	07/27/79-	11-	33-	12.3-	-	-	7.8-	28-		10-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.69
16-	45.8172-	115.8175-	2-	07-		0-	L16914-	07/27/79-	11-	33-	13.7-	C-	-	7.7-	33-		8-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-9-	-	-	-	-	0.17
16-	45.8344-	115.8072-	2-	07-		0-	L16915-	07/27/79-	11-	32-	13.5-	-	-	7.3-	92-		6-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	0.36
16-	45.8461-	115.8231-	2-	06-		0-	L16916-	07/27/79-	12-	33-	8.4-	C-	-	7.9-	21-		10-	2-	6-	5-	8-	2-	2-	1-	-1-	2-	3-	1-	-3-	-	-	-	-	0.19
16-	45.8608-	115.8556-	2-	07-		0-	L16917-	07/27/79-	13-	33-	14.2-	-	-	7.0-	32-		16-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	0.01
16-	45.8606-	115.8547-	2-	07-		0-	L16918-	07/27/79-	13-	33-	12.7-	-	-	7.3-	29-		14-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	0.15
16-	45.8700-	115.8072-	2-	07-		0-	L16919-	07/27/79-	14-	34-	15.8-	C-	-	6.8-	24-		6-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.29
16-	45.8675-	115.8031-	2-	07-		0-	L16920-	07/27/79-	14-	34-	14.0-	-	-	6.7-	24-		11-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	0.23
16-	45.8567-	115.8025-	2-	07-		0-	L16921-	07/27/79-	15-	34-	14.8-	-	-	6.7-	24-		6-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.43
16-	45.8475-	115.8056-	2-	07-		0-	L16922-	07/27/79-	15-	34-	14.5-	-	-	6.8-	35-		12-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	1.74
16-	45.8200-	115.8261-	2-	07-		0-	L16923-	07/27/79-	15-	35-	19.5-	-	-	6.4-	48-		14-	2-	6-	4-	6-	2-	2-	1-	2-	2-	2-	3-	1-	-1-	-	-	-	-	0.44
16-	45.8336-	115.8564-	2-	07-		0-	L16924-	07/27/79-	16-	34-	19.4-	-	-	7.5-	43-		14-	2-	7-	4-	6-	2-	2-	1-	2-	2-	4-	3-	1-	-1-	-	-	-	-	0.01
16-	45.8336-	115.8583-	2-	07-		0-	L16925-	07/27/79-	16-	34-	18.1-	-	-	7.3-	34-		20-	2-	7-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	0.01
16-	45.8169-	115.8356-	2-	07-		0-	L16927-	07/27/79-	17-	35-	15.9-	C-	-	6.9-	17-			-2-	7-	4-	6-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.01
16-	45.7942-	115.7764-	2-	07-		0-	L16928-	07/27/79-	18-	34-	16.3-	C-	-	6.4-	16-			-2-	7-	4-	6-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.01
16-	45.7947-	115.7628-	2-	07-		0-	L16929-	07/27/79-	18-	32-	17.7-	C-	-	6.4-	11-			-2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.07
16-	45.7408-	115.5247-	2-	07-		0-	L16930-	07/30/79-	11-	32-	14.9-	-	-	6.7-	28-		12-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	0.01
16-	45.7172-	115.5456-	2-	07-		0-	L16931-	07/30/79-	11-	34-	14.0-	-	-	7.1-	26-		10-	2-	6-	4-	6-	2-	2-	1-	2-	2-	1-	2-	1-	-1-	-	-	-	-	0.01
16-	45.7136-	115.5378-	2-	07-		0-	L16932-	07/30/79-	12-	34-	11.5-	-	-	6.5-	19-		16-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	0.56
16-	45.7014-	115.5361-	2-	07-		0-	L16933-	07/30/79-	12-	34-	10.5-	-	-	7.1-	20-		27-	2-	6-	4-	6-	2-	2-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	0.03
16-	45.6961-	115.5519-	2-	07-		0-	L16934-	07/30/79-	13-	33-	12.1-	-	-	7.3-	20-		10-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.01
16-	45.6942-	115.5467-	2-	07-		0-	L16935-	07/30/79-	13-	33-	13.7-	-	-	7.2-	25-		9-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	1.22
16-	45.6914-	115.5647-	2-	07-		0-	L16936-	07/30/79-	13-	35-	11.7-	-	-	6.7-	17-		6-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.21
16-	45.6886-	115.5622-	2-	07-		0-	L16937-	07/30/79-	14-	34-	12.3-	-	-	7.1-	29-		18-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.26
16-	45.6678-	115.5736-	2-	06-		0-	L16938-	07/30/79-	14-	35-	11.3-	-	-	7.1-	24-		8-	2-	6-	4-	6-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	0.38
16-	45.6858-	115.5711-	2-	07-		0-	L16939-	07/30/79-	14-	32-	13.1-	-	-	7.4-	19-		10-	2-	6-	4-	1-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.80
16-	45.6742-	115.5428-	2-	07-		0-	L16940-	07/30/79-	15-	32-	12.3-	-	-	7.2-	21-		12-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.68
16-	45.6264-	115.5139-	2-	07-		0-	L16941-	07/30/79-	16-	32-	15.4-	-	-	7.2-	19-		10-	2-	6-	4-	6-	3-	3-	1-	2-	4-	3-	2-	2-	-1-	-	-	-	-	0.94
16-	45.6222-	115.5144-	2-	07-		0-	L16942-	07/30/79-	16-	32-	14.2-	-	-	6.9-	17-		7-	2-	4-	5-	6-	3-	3-	1-	2-	4-	3-	2-	1-	-1-	-	-	-	-	0.36
16-	45.6217-	115.5125-	2-	07-		0-	L16943-	07/30/79-	16-	32-	13.6-	-	-	6.8-	15-		16-	2-	1-	5-	6-	3-	3-	1-	2-	4-	3-	2-	1-	-1-	-	-	-	-	0.97
16-	45.6078-	115.5506-	2-	06-		0-	L16944-	07/30/79-	17-	32-	5.3-	-	-	7.4-	12-		6-	2-	6-	5-	6-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	0.01
16-	45.6100-	115.5117-	2-	07-		0-	L16945-	07/30/79-	19-	32-	10.1-	-	-	6.7-	15-		8-	2-	4-	4-	6-	3-	3-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	0.49
16-	45.5792-	115.5269-	2-	07-		0-	L16946-	07/30/79-	18-	30-	11.8-	-	-	6.4-	15-		6-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	0.71
16-	45.5556-	115.5286-	2-	07-		0-	L16947-	07/30/79-	19-	32-	10.6-	-	-	6.7-	17-		4-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.46
16-	45.5197-	115.5053-	2-	07-		0-	L16948-	07/30/79-	19-	32-	11.6-	C-	-	6.6-	17-		4-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.08

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (θ) UNITS IN ppb
16-	45.7469-	115.5153-	2-	07-	0-	L16949-	07/30/79-	20-	29-	14.6-	-	-	6.5-	23-	16-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	2-	1-	-1-	-	-	-	-	-	0.47
16-	45.6336-	115.6556-	2-	07-	0-	L16950-	07/29/79-	11-	33-	10.1-	-	-	6.9-	17-	10-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.60
16-	45.6403-	115.6483-	2-	07-	0-	L16951-	07/29/79-	12-	34-	10.7-	-	-	6.7-	11-	12-	2-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.03
16-	45.6403-	115.6319-	2-	07-	0-	L16952-	07/29/79-	12-	34-	10.1-	-	-	7.2-	9-	10-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.6586-	115.6578-	2-	06-	0-	L16953-	07/29/79-	13-	33-	4.4-	-	-	7.6-	8-	14-	2-	7-	4-	6-	2-	2-	1-	-1-	2-	3-	1-	-1-	-1-	-	-	-	-	-	0.18
16-	45.6825-	115.6761-	2-	06-	0-	L16954-	07/29/79-	14-	32-	5.3-	-	-	7.3-	11-	12-	2-	6-	5-	8-	2-	2-	1-	-1-	3-	3-	1-	-1-	-1-	-	-	-	-	-	0.01
16-	45.6861-	115.6947-	2-	07-	0-	L16955-	07/29/79-	15-	33-	11.9-	-	-	7.2-	15-	10-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.09
16-	45.6942-	115.6883-	2-	07-	0-	L16956-	07/29/79-	15-	33-	10.0-	-	-	7.3-	12-	14-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.03
16-	45.6900-	115.6917-	2-	06-	0-	L16957-	07/29/79-	16-	32-	7.1-	-	-	6.9-	15-	10-	2-	6-	5-	8-	2-	2-	1-	-2-	3-	3-	1-	-3-	-1-	-	-	-	-	-	0.36
16-	45.6861-	115.7019-	2-	07-	0-	L16958-	07/29/79-	16-	33-	13.6-	-	-	6.9-	20-	14-	2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.04
16-	45.7039-	115.2814-	2-	07-	0-	L16959-	07/31/79-	12-	35-	10.6-	-	-	7.8-	16-	10-	2-	6-	5-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.44
16-	45.7328-	115.2617-	2-	07-	0-	L16960-	07/31/79-	12-	35-	11.8-	-	-	7.5-	16-	14-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	0.22
16-	45.7367-	115.2675-	2-	06-	0-	L16961-	07/31/79-	13-	35-	13.1-	C-	-	6.8-	43-	16-	2-	6-	4-	6-	2-	2-	1-	-4-	2-	3-	1-	-9-	-1-	-	-	-	-	-	0.22
16-	45.9078-	115.6344-	2-	07-	0-	L16963-	07/28/79-	12-	25-	14.8-	-	-	7.5-	10-	5-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	1.21
16-	45.9097-	115.6381-	2-	07-	0-	L16964-	07/28/79-	12-	25-	15.4-	-	-	7.7-	10-	5-	2-	7-	5-	8-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	0.83
16-	45.9106-	115.6342-	2-	07-	0-	L16965-	07/28/79-	13-	25-	17.8-	-	-	7.1-	19-	6-	1-	7-	5-	8-	3-	3-	1-	2-	4-	3-	3-	1-	-1-	-	-	-	-	-	0.58
16-	45.9511-	115.6728-	2-	07-	0-	L16966-	07/28/79-	14-	26-	18.1-	-	-	7.7-	24-	8-	1-	7-	5-	8-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	0.01
16-	45.9500-	115.6731-	2-	07-	0-	L16967-	07/28/79-	14-	26-	16.1-	-	-	7.5-	25-	0-	1-	7-	5-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.26
16-	45.9414-	115.6750-	2-	07-	0-	L16968-	07/28/79-	15-	25-	14.1-	-	-	7.5-	17-	0-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.75
16-	45.9286-	115.6481-	2-	06-	0-	L16969-	07/28/79-	16-	25-	6.4-	-	-	7.5-	53-	5-	1-	7-	5-	8-	2-	3-	1-	-1-	5-	5-	1-	-1-	-1-	-	-	-	-	-	0.18
16-	45.9297-	115.6403-	2-	07-	0-	L16970-	07/28/79-	17-	25-	17.0-	-	-	7.7-	24-	1-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.16
16-	45.9306-	115.6394-	2-	07-	0-	L16971-	07/28/79-	17-	25-		-C-	-	-	-	2-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.03
16-	45.9547-	115.6442-	2-	07-	0-	L16972-	07/28/79-	18-	25-	15.4-	-	-	7.4-	21-	1-	2-	7-	5-	8-	2-	2-	1-	-4-	5-	2-	1-	-1-	-1-	-	-	-	-	-	0.08
16-	45.9547-	115.6458-	2-	07-	0-	L16973-	07/28/79-	19-	25-	17.3-	-	-	7.5-	17-	1-	2-	7-	5-	8-	3-	3-	1-	2-	1-	5-	3-	1-	-1-	-1-	-	-	-	-	0.22
16-	45.9328-	115.6275-	2-	07-	0-	L16974-	07/28/79-	21-	23-	13.6-	-	-	7.4-	20-	5-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-1-	-	-	-	-	0.45
16-	45.9333-	115.6289-	2-	07-	0-	L16975-	07/28/79-	21-	23-	15.3-	-	-	7.4-	19-	3-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-1-	-	-	-	-	0.24
16-	45.9022-	115.4314-	2-	07-	0-	L16977-	07/30/79-	11-	26-	12.0-	-	-	7.5-	21-	2-	2-	7-	5-	8-	2-	2-	1-	2-	4-	4-	3-	1-	-1-	-1-	-	-	-	-	0.35
16-	45.9019-	115.4300-	2-	07-	0-	L16978-	07/30/79-	12-	25-	14.0-	-	-	7.5-	17-	4-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-1-	-	-	-	-	1.04
16-	45.9139-	115.4225-	2-	07-	0-	L16979-	07/30/79-	12-	25-	13.4-	-	-	7.5-	19-	5-	2-	7-	4-	8-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-1-	-	-	-	-	0.31
16-	45.9228-	115.4122-	2-	07-	0-	L16980-	07/30/79-	13-	25-	15.3-	-	-	7.1-	19-	1-	2-	7-	4-	6-	2-	3-	1-	2-	1-	4-	3-	1-	-1-	-1-	-	-	-	-	0.34
16-	45.9228-	115.4111-	2-	07-	0-	L16981-	07/30/79-	13-	25-	17.4-	-	-	7.5-	19-	1-	2-	7-	4-	7-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-1-	-	-	-	-	0.15
16-	45.8917-	115.4250-	2-	07-	0-	L16982-	07/30/79-	15-	25-	17.1-	-	-	7.5-	19-	0-	2-	7-	5-	8-	3-	3-	1-	2-	1-	5-	3-	1-	-1-	-1-	-	-	-	-	0.36
16-	45.8944-	115.4753-	2-	07-	0-	L16983-	07/30/79-	16-	25-	14.7-	-	-	7.5-	20-	5-	2-	7-	4-	8-	3-	3-	1-	2-	4-	4-	4-	1-	-1-	-1-	-	-	-	-	0.98
16-	45.9217-	115.4692-	2-	07-	0-	L16984-	07/30/79-	17-	24-	12.3-	-	-	7.7-	22-	4-	1-	7-	5-	8-	2-	3-	1-	2-	4-	4-	3-	1-	-1-	-1-	-	-	-	-	0.49
16-	45.9233-	115.4686-	2-	07-	0-	L16985-	07/30/79-	18-	24-	18.0-	-	-	7.5-	24-	4-	1-	7-	5-	8-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-1-	-	-	-	-	0.37
16-	45.9231-	115.4675-	2-	07-	0-	L16986-	07/30/79-	18-	24-	22.3-	-	-	8.4-	27-	4-	1-	7-	4-	6-	3-	3-	1-	2-	4-	5-	3-	1-	-1-	-1-	-	-	-	-	0.07
16-	45.9144-	115.4689-	2-	07-	0-	L16987-	07/30/79-	19-	24-	16.1-	-	-	7.0-	19-	2-	1-	7-	4-	7-	3-	3-	1-	2-	4-	5-	2-	1-	-1-	-1-	-	-	-	-	0.37
16-	45.8297-	115.5825-	2-	07-	0-	L16988-	07/29/79-	15-	28-	16.4-	-	-	7.7-	53-	11-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.71
16-	45.8306-	115.5811-	2-	06-	0-	L16989-	07/29/79-	15-	28-	15.5-	-	-	7.8-	49-	9-	1-	7-	4-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-1-	-	-	-	-	-	0.49
16-	45.8308-	115.5792-	2-	07-	0-	L16990-	07/29/79-	15-	28-	18.1-	-	-	7.8-	34-	10-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.03
16-	45.8300-	115.5733-	2-	07-	0-	L16991-	07/29/79-	15-	29-	15.9-	-	-	7.5-	30-	8-	1-	7-	5-	7-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.40
16-	45.8297-	115.5558-	2-	07-	0-	L16992-	07/29/79-	15-	28-	15.5-	-	-	7.7-	28-	14-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.01
16-	45.8247-	115.5253-	2-	07-	0-	L16993-	07/29/79-	17-	28-	14.9-	-	-	7.6-	25-	14-	1-	7-	3-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.02
16-	45.8239-	115.5292-	2-	07-	0-	L16994-	07/29/79-	17-	28-	20.8-	-	-	7.7-	26-	7-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.01
16-	45.7897-	115.5408-	2-	07-	0-	L16995-	07/29/79-	16-	27-	14.3-	-	-	7.8-	30-	7-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.20
16-	45.7897-	115.5556-	2-	07-	0-	L16996-	07/29/79-	17-	28-	14.2-	-	-	7.7-	29-	10-	1-	7-	3-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.01
16-	45.7833-	115.5572-	2-	07-	0-	L16997-	07/29/79-	16-	28-	15.4-	-	-	7.8-	33-	9-	1-	7-	3-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.55
16-	45.7667-	115.5486-	2-	07-	0-	L16998-	07/29/79-	16-	28-	15.1-	-	-	8.0-	23-	6-	1-	7-	3-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.24
16-	45.8283-	115.5008-	2-	07-	0-	L16999-	07/29/79-	18-	26-	16.8-	-	-	7.6-	24-	11-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-1-	-	-	-	-	0.01
16-	45.7578-	115.9444-	2-	07-	0-	L17000-	07/30/79-	13-	29-	16.6-	-	-	7.6-	28-	2-	1-	7-	5-	7-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-1-	-	-	-	-	0.01
16-	45.7578-	115.9464-	2-	07-	0-	L17001-	07/30/79-	13-	29-	12.9-	-	-	7.8-	42-	9-	1-	7-	4-	7-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-1-	-	-	-	-	0.44

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (μmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
16-	45.7231-	115.9764-	2-	07-		0-L17002-	07/30/79-	14-	28-	15.2-	-	-	7.9-	12-	12-	1-	7-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.22
16-	45.7225-	115.9783-	2-	07-		0-L17003-	07/30/79-	14-	28-	16.2-	-	-	7.8-	13-	14-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.01
16-	45.7039-	115.9889-	2-	07-		0-L17004-	07/30/79-	14-	27-	13.2-	-	-	8.0-	11-	8-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.23
16-	45.6942-	115.9992-	2-	07-		0-L17005-	07/30/79-	15-	29-	11.9-	-	-	7.7-	6-	5-	1-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.51
16-	45.6336-	115.9792-	2-	07-		0-L17006-	07/30/79-	15-	29-	17.2-	-	-	7.3-	25-	5-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.22
16-	45.6214-	115.9433-	2-	06-		0-L17007-	07/30/79-	17-	26-	3.2-	-	-	8.0-	6-	4-	1-	6-	4-	6-	3-	3-	1-		-4-	3-	4-	1-	-1-	-	-	-	-	1.19
16-	45.5953-	115.8847-	2-	06-		0-L17008-	07/30/79-	17-	26-	6.0-	-	-	7.8-	7-		-2-	1-	5-	6-	2-	3-	1-		-1-	3-	4-	1-	-1-	-	-	-	-	0.27
16-	45.5872-	115.8658-	2-	07-		0-L17009-	07/30/79-	18-	26-	10.4-	-	-	7.1-	10-	6-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.55
16-	45.5906-	115.9258-	2-	07-		0-L17010-	07/30/79-	18-	26-	12.9-	-	-	7.3-	8-	3-	1-	6-	5-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.01
16-	45.6139-	115.9292-	2-	06-		0-L17011-	07/30/79-	19-	25-	6.5-	-	-	7.6-	2-	7-	2-	1-	5-	6-	2-	2-	1-		-4-	3-	4-	1-	-1-	-	-	-	-	0.08
16-	45.6389-	115.9575-	2-	06-		0-L17012-	07/30/79-	19-	26-	6.4-	-	-	7.7-	1-	7-	1-	7-	5-	6-	2-	3-	1-		-1-	3-	3-	1-	-1-	-	-	-	-	0.02
16-	45.7958-	115.4658-	2-	07-		0-L17013-	07/29/79-	18-	29-	21.3-	-	-	7.5-	23-	9-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.46
16-	45.8028-	115.4728-	2-	07-		0-L17014-	07/29/79-	18-	28-	17.3-	C-	-	7.4-	21-		-2-	6-	2-	6-	3-	3-	2-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.7847-	115.4814-	2-	07-		0-L17015-	07/29/79-	19-	28-	17.9-	C-	-	7.2-	24-	9-	2-	6-	5-	6-	2-	2-	6-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.7853-	115.4828-	2-	07-		0-L17016-	07/29/79-	19-	28-	20.1-	C-	-	7.1-	27-	7-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.7911-	115.6542-	2-	06-		0-L17017-	07/30/79-	11-	29-	13.9-	-	-	7.5-	127-	14-	2-	6-	5-	6-	2-	2-	1-		-1-	3-	3-	2-	-1-	-	-	-	-	0.88
16-	45.7897-	115.6517-	2-	07-		0-L17018-	07/30/79-	11-	29-	10.9-	-	-	7.9-	20-	13-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.69
16-	45.7644-	115.6414-	2-	07-		0-L17019-	07/30/79-	12-	30-	15.0-	-	-	7.6-	30-	9-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	1.01
16-	45.7617-	115.6403-	2-	07-		0-L17020-	07/30/79-	12-	31-	12.9-	-	-	7.5-	15-	9-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.62
16-	45.7300-	115.6561-	2-	07-		0-L17021-	07/30/79-	13-	31-	13.8-	-	-	7.9-	7-	6-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.83
16-	45.7303-	115.6550-	2-	07-		0-L17022-	07/30/79-	13-	31-	11.5-	-	-	7.8-	2-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.31
16-	45.7361-	115.6578-	2-	07-		0-L17023-	07/30/79-	13-	31-	12.6-	-	-	7.4-	10-	13-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.86
16-	45.7431-	115.6569-	2-	07-		0-L17024-	07/30/79-	14-	31-	12.6-	-	-	7.4-	13-	9-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.76
16-	45.7544-	115.6578-	2-	07-		0-L17025-	07/30/79-	14-	30-	13.2-	-	-	7.3-	17-	11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.7533-	115.6578-	2-	07-		0-L17026-	07/30/79-	14-	30-	14.5-	-	-	7.2-	9-	5-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.02
16-	45.7644-	115.6586-	2-	07-		0-L17027-	07/30/79-	15-	30-	15.3-	-	-	7.3-	21-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.02
16-	45.7647-	115.6625-	2-	07-		0-L17028-	07/30/79-	15-	30-	13.2-	-	-	7.4-	14-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.7153-	115.7292-	2-	07-		0-L17029-	07/30/79-	17-	28-	11.3-	-	-	7.5-	5-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.7147-	115.7269-	2-	07-		0-L17030-	07/30/79-	17-	28-	11.5-	-	-	7.5-	6-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.7433-	115.7200-	2-	06-		0-L17031-	07/30/79-	18-	27-	7.4-	-	-	7.4-	4-	14-	2-	6-	5-	6-	3-	3-	1-		-1-	3-	3-	2-	-1-	-	-	-	-	0.02
16-	45.7558-	115.7078-	2-	06-		0-L17032-	07/30/79-	18-	28-	12.1-	-	-	7.1-	6-	4-	2-	6-	5-	6-	3-	3-	1-		-1-	3-	3-	2-	-1-	-	-	-	-	0.09
16-	45.3883-	114.7089-	2-	07-		0-L17033-	08/01/79-	13-	28-	11.7-	-	-	6.2-	155-	12-	2-	6-	3-	6-	3-	3-	1-	2-	3-	2-	4-	1-	-1-	-	-	-	-	1.09
16-	45.3969-	114.7317-	2-	07-		0-L17034-	08/01/79-	14-	30-	19.2-	-	-	6.9-	122-	6-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.21
16-	45.3944-	114.7461-	2-	07-		0-L17035-	08/01/79-	16-	28-	9.9-	-	-	7.3-	59-	12-	2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	0.33
16-	45.3914-	114.7694-	2-	07-		0-L17036-	08/01/79-	16-	28-	15.7-	-	-	7.7-	157-	9-	2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	1.20
16-	45.3903-	114.7831-	2-	07-		0-L17037-	08/01/79-	16-	27-	9.1-	-	-	8.0-	24-	8-	2-	6-	2-	6-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	0.51
16-	45.3911-	114.7831-	2-	07-		0-L17038-	08/10/79-	17-	27-	11.2-	-	-	7.9-	27-	9-	2-	6-	1-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	0.17
16-	45.3906-	114.7914-	2-	07-		0-L17039-	08/01/79-	17-	26-	14.4-	-	-	7.9-	55-	22-	2-	6-	1-	6-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	1.00
16-	45.3936-	114.8022-	2-	07-		0-L17040-	08/01/79-	18-	26-	15.2-	-	-	8.0-	31-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.26
16-	45.3953-	114.8169-	2-	07-		0-L17041-	08/01/79-	18-	26-	11.3-	-	-	8.0-	58-	51-	2-	6-	1-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	1.11
16-	45.4025-	114.8300-	2-	07-		0-L17042-	08/01/79-	19-	25-	13.3-	-	-	7.9-	73-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.99
16-	45.4106-	114.8400-	2-	07-		0-L17043-	08/01/79-	19-	25-	12.8-	-	-	8.1-	113-	9-	2-	6-	1-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	1.73
16-	45.4106-	114.8419-	2-	07-		0-L17044-	08/01/79-	19-	24-	12.7-	-	-	8.1-	137-	18-	2-	6-	2-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	4.79
16-	45.4161-	114.8558-	2-	07-		0-L17045-	08/01/79-	20-	25-	12.8-	-	-	8.3-	33-	12-	2-	6-	2-	6-	4-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	5.36
16-	45.4214-	114.8675-	2-	07-		0-L17046-	08/02/79-	10-	26-	13.3-	-	-	7.7-	37-	21-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.33
16-	45.4183-	114.8733-	2-	07-		0-L17047-	08/02/79-	11-	26-	11.2-	-	-	7.9-	176-	6-	2-	6-	4-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	9.27
16-	45.4219-	114.8789-	2-	07-		0-L17048-	08/02/79-	11-	27-	12.6-	-	-	8.1-	91-	18-	2-	6-	1-	7-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	3.33
16-	45.4264-	114.8844-	2-	07-		0-L17049-	08/02/79-	11-	27-	12.3-	-	-	8.2-	33-	8-	2-	6-	1-	7-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	1.37
16-	45.4356-	114.8922-	2-	07-		0-L17050-	08/02/79-	11-	28-	12.1-	-	-	7.9-	230-	11-	2-	6-	2-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	3.69
16-	45.4492-	114.9197-	2-	07-		0-L17052-	08/02/79-	12-	28-	13.2-	-	-	8.0-	55-	30-	2-	6-	2-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	0.27
16-	45.4544-	114.9319-	2-	07-		0-L17053-	08/02/79-	13-	27-	16.5-	-	-	8.0-	67-	13-	2-	6-	2-	1-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	1.32

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																							U CONCENTRATION
							TIME SAMPLED																						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
16-	45.4722-	114.9617-	2-	07-		0-L17054-	08/02/79-	13-	28-15.2-	-	-	-	8.2-	46-	4-	2-	6-	2-	7-	4-	3-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	-	1.39
16-	45.4736-	114.9622-	2-	07-		0-L17055-	08/02/79-	13-	31-16.4-	-	-	-	7.9-	23-	6-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.19
16-	45.4875-	114.9736-	2-	07-		0-L17056-	08/02/79-	14-	29-16.2-	-	-	-	8.1-	90-	12-	2-	6-	1-	7-	3-	3-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	-	1.49
16-	45.4978-	114.9972-	2-	07-		0-L17057-	08/02/79-	14-	29-10.6-	-	-	-	7.9-	32-	20-	2-	6-	1-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	0.08
16-	45.5033-	115.0058-	2-	07-		0-L17058-	08/02/79-	16-	29-17.9-	-	-	-	7.9-	71-	35-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	0.96
16-	45.5086-	115.0236-	2-	07-		0-L17059-	08/02/79-	16-	29-17.4-	-	-	-	7.9-	21-	10-	2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	0.28
16-	45.5064-	115.0258-	2-	07-		0-L17060-	08/02/79-	16-	30- 8.5-	-	-	-	8.0-	39-	15-	2-	6-	1-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	0.82
16-	45.5125-	115.0425-	2-	06-		0-L17061-	08/03/79-	10-	24-55.3-	C-	-	-	8.7-	483-	35-	2-	6-	1-	1-	4-	3-	1-	-1-	3-	5-	1-	-1-	-1-	-	-	-	-	-	0.40
16-	45.5106-	115.0414-	2-	07-		0-L17062-	08/03/79-	10-	25-13.1-	-	-	-	8.7-	32-	15-	2-	6-	2-	6-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	0.29
16-	45.6725-	115.9033-	2-	07-		0-L17063-	07/29/79-	17-	27-13.5-	-	-	-	8.8-	12-	8-	2-	7-	2-	6-	3-	3-	1-	1-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.36
16-	45.6778-	115.9044-	2-	07-		0-L17064-	07/29/79-	18-	26-13.1-	-	-	-	8.4-	15-	19-	2-	7-	1-	7-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.09
16-	45.6733-	115.9572-	2-	06-		0-L17065-	07/29/79-	20-	23- 6.0-	-	-	-	8.9-	27-	4-	2-	7-	5-	8-	2-	3-	1-	-1-	3-	3-	1-	-1-	-1-	-	-	-	-	-	0.77
16-	45.7597-	115.2342-	2-	07-		0-L17066-	07/31/79-	12-	29-14.0-	-	-	-	8.0-	22-	16-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.39
16-	45.7619-	115.2378-	2-	07-		0-L17067-	07/31/79-	11-	27-16.6-	-	-	-	8.1-	29-	21-	2-	7-	3-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.23
16-	45.7772-	115.2181-	2-	07-		0-L17068-	07/31/79-	12-	29-14.6-	-	-	-	8.1-	30-	4-	2-	7-	5-	8-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.25
16-	45.7786-	115.2072-	2-	07-		0-L17069-	07/31/79-	12-	30-14.4-	-	-	-	8.2-	25-	14-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.24
16-	45.7775-	115.2075-	2-	07-		0-L17070-	07/31/79-	12-	31-12.8-	-	-	-	8.4-	21-	9-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.82
16-	45.7856-	115.2075-	2-	07-		0-L17071-	07/31/79-	13-	32-13.5-	-	-	-	8.3-	21-	5-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.90
16-	45.7878-	115.1978-	2-	06-		0-L17072-	07/31/79-	13-	31-49.8-	-	-	-	-	655-	14-	2-	7-	1-	7-	2-	3-	1-	-1-	4-	3-	1-	-1-	-1-	-	-	-	-	-	0.21
16-	45.7794-	115.1950-	2-	07-		0-L17073-	07/31/79-	13-	32-13.6-	-	-	-	9.1-	18-	11-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.04
16-	45.7806-	115.1914-	2-	07-		0-L17074-	07/31/79-	16-	32-13.9-	-	-	-	9.0-	29-	7-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.33
16-	45.7736-	115.1378-	2-	07-		0-L17075-	07/31/79-	16-	30-12.8-	-	-	-	9.3-	10-	11-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.03
16-	45.7744-	115.1372-	2-	07-		0-L17076-	07/31/79-	16-	30-14.1-	-	-	-	9.0-	12-	9-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.02
16-	45.7750-	115.1267-	2-	07-		0-L17077-	07/31/79-	16-	31-19.5-	-	-	-	8.9-	12-	8-	2-	7-	2-	4-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.03
16-	45.8092-	115.3069-	2-	07-		0-L17078-	08/01/79-	12-	28-19.2-	-	-	-	8.3-	42-	17-	2-	7-	5-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.35
16-	45.7778-	115.2428-	2-	07-		0-L17079-	07/31/79-	18-	27-13.5-	-	-	-	8.5-	24-	10-	2-	7-	5-	8-	2-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.04
16-	45.7775-	115.2439-	2-	07-		0-L17080-	07/31/79-	18-	27-14.2-	-	-	-	8.4-	24-	9-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.05
16-	45.3706-	114.6892-	2-	07-		0-L17081-	08/15/79-	19-	23-15.1-	-	-	-	8.1-	116-	15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	-	0.25
16-	45.7561-	115.2553-	2-	07-		0-L17082-	07/31/79-	19-	25-14.9-	-	-	-	8.6-	18-	11-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.46
16-	45.7569-	115.2561-	2-	07-		0-L17083-	07/31/79-	20-	25-18.9-	-	-	-	8.4-	32-	11-	2-	7-	4-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.05
16-	45.7997-	115.3217-	2-	07-		0-L17084-	08/01/79-	13-	30-14.7-	-	-	-	8.5-	22-	12-	2-	7-	5-	8-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.19
16-	45.8033-	115.3219-	2-	07-		0-L17085-	08/01/79-	13-	30-19.8-	-	-	-	8.3-	41-	18-	2-	7-	2-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.09
16-	45.7986-	115.3336-	2-	07-		0-L17086-	08/01/79-	13-	31-15.8-	-	-	-	8.5-	33-	13-	2-	7-	5-	6-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.47
16-	45.7886-	115.3667-	2-	07-		0-L17087-	08/01/79-	14-	31-16.5-	-	-	-	8.5-	29-	8-	2-	7-	3-	7-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.77
16-	45.8222-	115.3550-	2-	07-		0-L17088-	08/01/79-	15-	31-16.9-	-	-	-	9.0-	17-	6-	2-	7-	2-	6-	3-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.03
16-	45.8189-	115.3361-	2-	07-		0-L17089-	08/01/79-	16-	31-19.4-	-	-	-	8.9-	18-	11-	2-	7-	2-	7-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.69
16-	45.8647-	115.3519-	2-	07-		0-L17090-	08/01/79-	18-	26-13.5-	-	-	-	9.1-	10-	8-	2-	7-	5-	8-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.74
16-	45.8642-	115.3611-	2-	07-		0-L17091-	08/01/79-	18-	27-15.4-	-	-	-	9.0-	8-	13-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	1.43
16-	45.8603-	115.3639-	2-	06-		0-L17092-	08/01/79-	18-	26- 8.7-	-	-	-	8.7-	20-	12-	2-	7-	5-	8-	3-	3-	1-	-1-	3-	3-	1-	-1-	-1-	-	-	-	-	-	0.76
16-	45.8792-	115.1961-	2-	07-		0-L17093-	08/03/79-	15-	29-13.8-	-	-	-	6.5-	52-	5-	2-	7-	5-	8-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.56
16-	45.7872-	115.3575-	2-	07-		0-L17094-	08/01/79-	11-	27-11.4-	-	-	-	8.2-	24-	35-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.54
16-	45.7883-	115.3578-	2-	07-		0-L17095-	08/01/79-	11-	27-14.3-	-	-	-	8.2-	41-	18-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.43
16-	45.8792-	115.1836-	2-	07-		0-L17096-	08/03/79-	16-	28-12.9-	-	-	-	6.7-	22-	12-	2-	7-	1-	6-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.40
16-	45.8769-	115.1683-	2-	07-		0-L17097-	08/03/79-	16-	28-11.4-	-	-	-	6.6-	24-	9-	2-	7-	5-	8-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.32
16-	45.8742-	115.1344-	2-	07-		0-L17098-	08/03/79-	17-	28-18.5-	-	-	-	6.8-	14-	25-	2-	7-	1-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.32
16-	45.8744-	115.1359-	2-	07-		0-L17099-	08/03/79-	17-	25-13.3-	-	-	-	6.6-	24-	19-	2-	7-	2-	6-	3-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.36
16-	45.8736-	115.1369-	2-	07-		0-L17100-	08/03/79-	19-	27-12.3-	-	-	-	7.0-	17-	12-	2-	7-	1-	6-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.03
16-	45.8694-	115.1547-	2-	07-		0-L17101-	08/03/79-	19-	25-12.6-	-	-	-	6.9-	25-	12-	2-	7-	1-	7-	3-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.43
16-	45.8839-	115.2358-	2-	06-		0-L17102-	08/04/79-	6-	21-12.5-	-	-	-	6.8-	87-	-2-	7-	-	-	3-	3-	1-	-1-	3-	3-	1-	-1-	-1-	-1-	-	-	-	-	-	0.22
16-	45.8928-	115.2417-	2-	07-		0-L17103-	08/04/79-	9-	24-10.8-	-	-	-	7.0-	55-	12-	2-	7-	5-	8-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.34
16-	45.9119-	115.2450-	2-	07-		0-L17104-	08/04/79-	10-	25-10.7-	C-	-	-	7.0-	46-	-2-	7-	1-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-1-	-	-	-	-	-	0.25

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	KEYPLATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.9186-	115.2494-	2-07-			0-L17105-	08/04/79-	10-	27-	12.5-	-	-	7.3-	43-	16-	2-	7-	1-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.17
16-	45.9503-	115.2781-	2-07-			0-L17106-	08/04/79-	12-	28-	13.7-	-	-	7.8-	25-	11-	2-	7-	5-	8-	3-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.20
16-	45.9517-	115.2783-	2-07-			0-L17107-	08/04/79-	14-	30-	11.9-	-	-	6.8-	39-	8-	2-	7-	5-	8-	3-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.05
16-	45.9631-	115.2873-	2-07-			0-L17108-	08/04/79-	14-	27-	16.7-	-	-	7.2-	24-	14-	2-	7-	1-	7-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.25
16-	45.9908-	115.2867-	2-07-			0-L17109-	08/04/79-	16-	30-	14.9-	C-	-	7.3-	17-		-2-	7-	1-	7-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.03
16-	45.7050-	115.0453-	2-07-			0-L17110-	08/06/79-	12-	29-	9.5-	-	-	7.8-	10-	15-	2-	7-	1-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.19
16-	45.6892-	115.0617-	2-07-			0-L17111-	08/06/79-	13-	31-	10.9-	-	-	7.6-	70-	14-	2-	7-	1-	7-	3-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.03
16-	45.6897-	115.0664-	2-07-			0-L17112-	08/06/79-	14-	31-	13.7-	-	-	7.5-	12-	15-	2-	7-	1-	7-	3-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.03
16-	45.6639-	115.8253-	2-07-			0-L17113-	07/30/79-	13-	27-	14.4-	C-	-	8.2-	13-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	1.24
16-	45.6650-	115.8255-	2-07-			0-L17114-	07/30/79-	13-	27-	14.6-	C-	-	8.4-	10-		-2-	6-	1-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.29
16-	45.6650-	115.8011-	2-07-			0-L17115-	07/30/79-	14-	27-	10.9-	C-	-	8.7-	8-		-2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.01
16-	45.6608-	115.7889-	2-07-			0-L17116-	07/30/79-	15-	27-	12.4-	C-	-	8.3-	9-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	0.01
16-	45.6589-	115.7803-	2-07-			0-L17117-	07/30/79-	15-	28-	14.0-	C-	-	8.4-	10-		-2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	0.01
16-	45.6583-	115.7814-	2-07-			0-L17118-	07/30/79-	15-	28-	8.1-	C-	-	8.1-	9-		-2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.02
16-	45.6681-	115.8294-	2-06-			0-L17119-	07/30/79-	16-	27-	12.6-	C-	-	7.6-	54-		-2-	6-	5-	8-	3-	3-	1-		-1-	3-	4-	1-	-1-	-	-	-	-	0.32
16-	45.6772-	115.8361-	2-07-			0-L17120-	07/30/79-	16-	27-	15.9-	C-	-	7.6-	13-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.01
16-	45.6931-	115.8075-	2-06-			0-L17121-	07/30/79-	18-	26-	9.6-	C-	-	8.4-	8-		-2-	6-	5-	8-	3-	3-	1-		-1-	4-	4-	1-	-1-	-	-	-	-	0.07
16-	45.7094-	115.7983-	2-06-			0-L17122-	07/30/79-	18-	27-	14.2-	C-	-	7.7-	24-		-2-	6-	5-	8-	2-	2-	1-		-1-	3-	3-	1-	-1-	-	-	-	-	0.28
16-	45.7103-	115.7992-	2-07-			0-L17123-	07/30/79-	19-	24-	10.5-	-	-	7.5-	9-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.23
16-	45.7231-	115.8089-	2-06-			0-L17124-	07/30/79-	19-	24-	7.4-	C-	-	7.6-	10-		-2-	6-	5-	8-	3-	3-	1-		-1-	4-	4-	1-	-1-	-	-	-	-	0.61
16-	45.7278-	115.7739-	2-06-			0-L17125-	07/30/79-	20-	22-	6.9-	C-	-	7.4-	7-		-2-	6-	5-	8-	3-	3-	1-		-1-	4-	4-	1-	-1-	-	-	-	-	0.32
16-	45.5300-	115.3053-	2-07-			0-L17126-	08/07/79-	11-	26-	14.6-	-	-	7.9-	38-	45-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.36
16-	45.5150-	115.3229-	2-07-			0-L17128-	08/07/79-	12-	30-	14.6-	C-	-	7.7-	30-		-2-	6-	2-	6-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.17
16-	45.5103-	115.3228-	2-06-			0-L17129-	08/07/79-	12-	31-	18.4-	C-	-	7.9-	171-		-2-	6-	5-	8-	2-	3-	1-		-1-	3-	5-	1-	-1-	-	-	-	-	0.04
16-	45.5064-	115.3247-	2-07-			0-L17130-	08/07/79-	12-	31-	14.8-	C-	-	7.8-	82-		-2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.19
16-	45.4914-	115.3372-	2-07-			0-L17131-	08/07/79-	12-	31-	18.3-	C-	-	7.9-	63-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.77
16-	45.4864-	115.3458-	2-06-			0-L17132-	08/07/79-	13-	32-	8.9-	C-	-	7.8-	144-		-2-	6-	4-	1-	3-	3-	1-		-1-	3-	5-	1-	-1-	-	-	-	-	3.32
16-	45.4825-	115.3528-	2-07-			0-L17133-	08/07/79-	14-	31-	15.9-	C-	-	7.9-	121-		-2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.65
16-	45.4753-	115.3722-	2-07-			0-L17134-	08/07/79-	14-	33-	15.8-	C-	-	8.1-	60-		-2-	6-	5-	7-	2-	3-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	3.24
16-	45.6981-	114.5433-	2-07-			0-L17135-	08/09/79-	16-	29-	12.5-	-	-	7.2-	23-	25-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	1.18
16-	45.6767-	114.5422-	2-07-			0-L17136-	08/09/79-	16-	28-	11.6-	-	-	7.2-	21-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.45
16-	45.4300-	115.4608-	2-07-			0-L17137-	08/07/79-	18-	28-	15.7-	C-	-	7.8-	44-		-2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.08
16-	45.4183-	115.4647-	2-07-			0-L17138-	08/07/79-	18-	27-	15.2-	C-	-	7.9-	34-		-2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.41
16-	45.4169-	115.4658-	2-06-			0-L17139-	08/07/79-	19-	27-	14.1-	C-	-	7.7-	34-		-2-	6-	4-	6-	3-	3-	1-		-1-	3-	5-	2-	-1-	-	-	-	-	0.08
16-	45.6778-	114.5411-	2-07-			0-L17140-	08/09/79-	17-	28-	11.5-	-	-	7.3-	20-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.39
16-	45.6772-	114.5444-	2-07-			0-L17141-	08/09/79-	17-	28-	10.9-	-	-	7.2-	16-	36-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.09
16-	45.6928-	114.5586-	2-07-			0-L17142-	08/09/79-	17-	28-	14.8-	-	-	7.2-	22-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.18
16-	45.5403-	115.2689-	2-07-			0-L17143-	08/07/79-	12-	31-	13.9-	-	-	7.3-	106-	15-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.96
16-	45.5403-	115.2725-	2-07-			0-L17144-	08/07/79-	12-	31-	15.6-	-	-	7.4-	10-	13-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.59
16-	45.5322-	115.2997-	2-07-			0-L17145-	08/07/79-	13-	32-	16.6-	-	-	7.1-	136-	14-	2-	6-	3-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.41
16-	45.5389-	115.3117-	2-06-			0-L17146-	08/07/79-	14-	31-	14.4-	-	-	7.2-	102-	8-	2-	6-	5-	6-	3-	3-	1-		-1-	3-	5-	1-	-1-	-	-	-	-	2.26
16-	45.5689-	115.3217-	2-06-			0-L17147-	08/07/79-	15-	31-	12.6-	-	-	7.7-	46-	17-	2-	6-	5-	6-	3-	3-	1-		-1-	3-	5-	1-	-1-	-	-	-	-	0.36
16-	45.5708-	115.3236-	2-07-			0-L17148-	08/07/79-	15-	31-	14.4-	-	-	7.8-	8-	34-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.16
16-	45.5736-	115.3119-	2-07-			0-L17149-	08/07/79-	15-	31-	12.3-	-	-	7.5-	19-	10-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.01
16-	45.5792-	115.3083-	2-07-			0-L17150-	08/07/79-	16-	30-	17.9-	-	-	7.4-	9-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.02
16-	45.5908-	115.3039-	2-07-			0-L17151-	08/07/79-	16-	30-	11.7-	-	-	7.5-	13-	7-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.83
16-	45.6000-	115.3028-	2-07-			0-L17152-	08/07/79-	16-	30-	13.6-	-	-	7.3-	10-	12-	2-	6-	-	-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.63
16-	45.6103-	115.3247-	2-07-			0-L17153-	08/07/79-	17-	30-	17.9-	-	-	7.5-	5-	12-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.66
16-	45.6150-	115.3164-	2-07-			0-L17154-	08/07/79-	17-	30-	18.4-	-	-	7.3-	4-	24-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.57
16-	45.6164-	115.3181-	2-06-			0-L17155-	08/07/79-	17-	30-	13.1-	-	-	7.2-	3-	21-	2-	6-	5-	6-	3-	3-	1-		-1-	3-	3-	2-	-1-	-	-	-	-	0.01
16-	45.6169-	115.3225-	2-07-			0-L17156-	08/07/79-	17-	30-	14.6-	-	-	7.1-	4-	7-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	0.79

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																									U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (θ) UNITS IN ppb
16-	45.3950-	115.4911-	2-	06-		0-L17157-	08/07/79-	19-	26-	12.3-	-	-	7.6-	191-	12-	2-	6-	5-	6-	3-	3-	1-	-	1-	3-	5-	1-	-	1-	-	-	-	-	2.88
16-	45.7097-	114.5200-	2-	07-		0-L17159-	08/09/79-	15-	29-	13.1-	-	-	7.2-	26-	15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-	1-	-	-	-	-	0.28
16-	45.7097-	114.5225-	2-	06-		0-L17160-	08/09/79-	15-	28-	10.9-	-	-	7.3-	11-	10-	2-	6-	5-	6-	3-	3-	1-	-	1-	3-	5-	2-	-	1-	-	-	-	-	0.09
16-	45.6972-	114.5258-	2-	07-		0-L17161-	08/09/79-	15-	28-	15.3-	-	-	7.1-	23-	6-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-	1-	-	-	-	-	0.19
16-	45.6978-	114.5325-	2-	06-		0-L17162-	08/09/79-	15-	29-	14.9-	-	-	7.1-	38-	8-	2-	6-	3-	6-	2-	2-	1-	-	1-	3-	5-	2-	-	1-	-	-	-	-	0.70
16-	45.7483-	115.2969-	2-	07-		0-L17163-	07/31/79-	14-	35-	16.2-	-	-	7.0-	32-	12-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	2-	1-	-	1-	-	-	-	-	0.01
16-	45.7406-	115.3036-	2-	07-		0-L17164-	07/31/79-	14-	35-	14.3-	-	-	7.1-	21-	18-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	2-	1-	-	1-	-	-	-	-	0.27
16-	45.7383-	115.3033-	2-	07-		0-L17165-	07/31/79-	14-	35-	13.3-	-	-	7.2-	34-	18-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	2-	1-	-	1-	-	-	-	-	0.22
16-	45.7206-	115.3281-	2-	07-		0-L17166-	07/31/79-	14-	35-	12.7-	-	-	7.1-	34-	16-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	2-	1-	-	1-	-	-	-	-	0.01
16-	45.7483-	115.3156-	2-	07-		0-L17167-	07/31/79-	15-	35-	12.3-	-	-	6.9-	18-	8-	2-	6-	4-	6-	2-	2-	1-	2-	1-	2-	2-	1-	-	1-	-	-	-	-	0.03
16-	45.7339-	115.2572-	2-	07-		0-L17168-	07/31/79-	15-	35-	11.6-	-	-	6.8-	17-	10-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.02
16-	45.6978-	115.3381-	2-	07-		0-L17169-	07/31/79-	15-	35-	14.6-	-	-	6.0-	28-	10-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.35
16-	45.6739-	115.3444-	2-	07-		0-L17170-	07/31/79-	16-	35-	16.8-	-	-	6.3-	22-	35-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.05
16-	45.6722-	115.3425-	2-	07-		0-L17171-	07/31/79-	16-	35-	13.3-	-	-	6.6-	22-	14-	2-	6-	4-	6-	2-	2-	1-	2-	1-	4-	3-	1-	-	1-	-	-	-	-	0.02
16-	45.6722-	115.3411-	2-	07-		0-L17172-	07/31/79-	16-	35-	14.1-	-	-	6.6-	21-	18-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-	1-	-	-	-	-	0.01
16-	45.6467-	115.3386-	2-	07-		0-L17173-	07/31/79-	16-	35-	16.1-	-	-	6.5-	19-	4-	2-	7-	6-	8-	2-	2-	1-	2-	1-	2-	3-	1-	-	1-	-	-	-	-	0.01
16-	45.6722-	115.3619-	2-	07-		0-L17174-	07/31/79-	17-	34-	12.0-	-	-	6.1-	42-	25-	2-	6-	4-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-	1-	-	-	-	-	0.19
16-	45.7150-	115.3522-	2-	07-		0-L17175-	07/31/79-	17-	35-	13.8-	C-	-	6.0-	39-	12-	2-	6-	4-	6-	2-	2-	1-	2-	4-	3-	2-	1-	-	3-	-	-	-	-	0.01
16-	45.6961-	115.3653-	2-	07-		0-L17176-	07/31/79-	17-	35-	12.2-	-	-	6.2-	36-	23-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.01
16-	45.6981-	115.3600-	2-	07-		0-L17177-	07/31/79-	18-	35-	18.4-	-	-	6.5-	21-	35-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.01
16-	45.7156-	115.3672-	2-	07-		0-L17178-	07/31/79-	18-	35-	19.8-	-	-	6.7-	31-	12-	2-	6-	4-	6-	2-	2-	1-	2-	1-	2-	2-	1-	-	1-	-	-	-	-	0.01
16-	45.6861-	115.2058-	2-	06-		0-L17179-	08/01/79-	11-	32-	3.2-	-	-	7.8-	9-	10-	2-	6-	6-	8-	2-	2-	1-	-	1-	3-	3-	1-	-	1-	-	-	-	-	0.01
16-	45.6950-	115.1514-	2-	06-		0-L17180-	08/01/79-	12-	33-	7.6-	-	-	7.5-	14-	14-	2-	7-	5-	8-	2-	2-	1-	-	1-	2-	3-	1-	-	1-	-	-	-	-	0.06
16-	45.7247-	115.1275-	2-	06-		0-L17181-	08/01/79-	12-	35-	5.1-	C-	-	7.3-	11-	10-	2-	7-	-	-	3-	3-	1-	-	1-	3-	4-	1-	-	1-	-	-	-	-	0.09
16-	45.7214-	115.0289-	2-	07-		0-L17182-	08/01/79-	12-	36-	10.4-	-	-	6.8-	15-	15-	2-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-	1-	-	-	-	-	0.03
16-	45.7244-	115.0372-	2-	07-		0-L17184-	08/01/79-	13-	36-	12.2-	-	-	7.4-	11-	30-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-	1-	-	-	-	-	0.20
16-	45.7258-	115.0367-	2-	07-		0-L17185-	08/01/79-	13-	36-	12.0-	-	-	6.8-	12-	23-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-	1-	-	-	-	-	0.01
16-	45.7339-	115.0269-	2-	07-		0-L17186-	08/01/79-	14-	36-	14.8-	-	-	7.8-	13-	31-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-	1-	-	-	-	-	0.60
16-	45.7425-	115.0217-	2-	07-		0-L17187-	08/01/79-	14-	36-	17.5-	-	-	7.5-	16-	11-	2-	6-	4-	6-	3-	3-	1-	2-	4-	3-	2-	1-	-	1-	-	-	-	-	0.03
16-	45.7419-	115.0231-	2-	07-		0-L17188-	08/01/79-	15-	36-	15.9-	-	-	7.0-	11-	8-	2-	6-	4-	6-	3-	3-	1-	2-	4-	3-	2-	1-	-	1-	-	-	-	-	0.46
16-	45.7397-	115.0192-	2-	07-		0-L17189-	08/01/79-	15-	36-	15.5-	-	-	7.3-	27-	4-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	2-	1-	-	1-	-	-	-	-	0.65
16-	45.7414-	115.0186-	2-	07-		0-L17190-	08/01/79-	15-	36-	16.8-	-	-	7.3-	15-	12-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	2-	1-	-	1-	-	-	-	-	0.73
16-	45.7294-	115.0303-	2-	07-		0-L17191-	08/01/79-	16-	35-	12.4-	-	-	7.6-	16-	16-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-	-	-	-	-	-	0.96
16-	45.6942-	115.2300-	2-	06-		0-L17192-	08/01/79-	17-	30-	12.7-	-	-	7.7-	13-	6-	2-	6-	6-	8-	2-	2-	1-	-	4-	3-	3-	1-	-	1-	-	-	-	-	1.03
16-	45.3528-	115.5158-	2-	07-		0-L17193-	08/03/79-	14-	44-	15.2-	-	-	7.3-	65-	6-	2-	7-	5-	6-	2-	2-	1-	2-	3-	2-	5-	1-	-	1-	-	-	-	-	2.22
16-	45.3356-	115.5006-	2-	07-		0-L17194-	08/03/79-	15-	45-	16.4-	-	-	8.0-	79-	10-	2-	7-	5-	7-	2-	2-	1-	2-	2-	3-	5-	1-	-	1-	-	-	-	-	2.65
16-	45.3569-	115.5203-	2-	07-		0-L17196-	08/03/79-	17-	45-	14.7-	-	-	8.2-	33-	5-	2-	1-	5-	6-	2-	2-	1-	2-	2-	2-	5-	1-	-	3-	-	-	-	-	0.05
16-	45.3447-	115.5181-	2-	07-		0-L17197-	08/03/79-	18-	40-	14.6-	-	-	8.1-	43-	15-	2-	1-	5-	8-	2-	2-	1-	2-	2-	3-	5-	1-	-	1-	-	-	-	-	0.20
16-	45.3650-	115.5094-	2-	06-		0-L17198-	08/03/79-	19-	40-	16.3-	-	-	7.8-	294-	6-	2-	7-	4-	6-	2-	2-	1-	-	2-	2-	5-	1-	-	1-	-	-	-	-	8.84
16-	45.4300-	115.5322-	2-	06-		0-L17199-	08/04/79-	9-	28-	12.3-	-	-	9.6-	19-	12-	-	5-	5-	8-	2-	2-	1-	-	1-	3-	5-	1-	-	1-	-	-	-	-	0.44
16-	45.4419-	115.5419-	2-	07-		0-L17200-	08/04/79-	9-	28-	6.8-	-	-	8.4-	16-	12-	2-	7-	5-	8-	2-	2-	1-	-	1-	3-	5-	1-	-	1-	-	-	-	-	0.02
16-	45.4683-	115.5647-	2-	06-		0-L17201-	08/04/79-	9-	28-	6.7-	-	-	8.5-	17-	12-	2-	6-	4-	6-	2-	2-	1-	-	1-	3-	5-	2-	-	1-	-	-	-	-	0.01
16-	45.5064-	115.5167-	2-	07-		0-L17202-	08/04/79-	10-	28-	7.5-	-	-	8.4-	21-	10-	2-	6-	4-	6-	2-	2-	1-	2-	1-	4-	4-	2-	-	1-	-	-	-	-	0.26
16-	45.5267-	115.5089-	2-	07-		0-L17203-	08/04/79-	10-	30-	8.8-	-	-	8.2-	20-	8-	2-	6-	5-	6-	2-	2-	1-	2-	1-	2-	3-	2-	-	1-	-	-	-	-	0.29
16-	45.5331-	115.5031-	2-	07-		0-L17204-	08/04/79-	10-	30-	8.1-	-	-	8.0-	18-	16-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-	1-	-	-	-	-	0.74
16-	45.5506-	115.4586-	2-	07-		0-L17205-	08/04/79-	11-	30-	9.4-	-	-	7.9-	28-	15-	2-	7-	4-	6-	2-	2-	1-	2-	1-	2-	3-	2-	-	1-	-	-	-	-	0.50
16-	45.6142-	115.4372-	2-	06-		0-L17206-	08/04/79-	11-	31-	6.6-	-	-	7.3-	12-	16-	2-	1-	4-	6-	2-	2-	1-	-	1-	2-	3-	2-	-	1-	-	-	-	-	0.61
16-	45.6197-	115.4514-	2-	07-		0-L17207-	08/04/79-	11-	32-	8.9-	-	-	7.7-	14-	22-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-	1-	-	-	-	-	0.46
16-	45.6247-	115.6669-	2-	07-		0-L17208-	08/05/79-	11-	30-	12.7-	C-	-	6.0-	18-	10-	2-	6-	5-	8-	3-	3-	1-	2-	1-	4-	5-	1-	-	1-	-	-	-	-	0.68
16-	45.6136-	115.6872-	2-	06-		0-L17209-	08/05/79-	11-	30-	4.0-	-	-	6.4-	13-	10-	2-	7-	5-	8-	3-	3-	1-	-	4-	1-	5-	1-	-	1-	-	-	-	-	0.47
16-	45.6044-	115.6739-	2-	06-		0-L17210-	08/05/79-	12-	29-	15.6-	-	-	6.0-	11-	6-	2-	6-	5-	6-	2-	2-	1-	-	4-	3-	5-	1-	-	1-	-	-	-	-	0.21

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (μmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER CLOUD	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.5744-	115.6725-	2-	06-	0-	L17211-	08/05/79-	12-	29-	9.9-	-	-	6.2-	11-	14-	2-	6-	5-	8-	2-	2-	1-	-1-	2-	5-	1-	-1-	-	-	-	-	-	0.23
16-	45.5817-	115.6825-	2-	06-	0-	L17212-	08/05/79-	13-	30-	13.6-	-	-	6.2-	11-	10-	2-	7-	5-	8-	2-	2-	1-	-4-	2-	5-	1-	-1-	-	-	-	-	-	0.05
16-	45.6294-	115.6294-	2-	07-	0-	L17213-	07/30/79-	11-	26-	9.1-	C-	-	6.5-	8-	-2-	7-	4-	8-	2-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.59
16-	45.6183-	115.6208-	2-	07-	0-	L17214-	07/30/79-	12-	26-	10.9-	C-	-	6.8-	12-	-1-	7-	5-	8-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	0.41
16-	45.6117-	115.6150-	2-	07-	0-	L17215-	07/30/79-	12-	26-	8.4-	C-	-	6.8-	7-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.15
16-	45.6100-	115.6228-	2-	07-	0-	L17216-	07/30/79-	13-	26-	10.4-	C-	-	6.9-	13-	-2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	2-	1-	-1-	-	-	-	-	-	0.18
16-	45.5950-	115.6111-	2-	07-	0-	L17217-	07/30/79-	14-	24-	8.5-	C-	-	7.0-	7-	-2-	7-	5-	8-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.42
16-	45.5850-	115.6172-	2-	07-	0-	L17218-	07/30/79-	14-	25-	11.8-	C-	-	7.0-	13-	-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	0.52
16-	45.5658-	115.6097-	2-	07-	0-	L17219-	07/30/79-	15-	25-	8.9-	C-	-	7.2-	8-	-2-	7-	5-	8-	4-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	-	0.03
16-	45.5625-	115.6078-	2-	07-	0-	L17220-	07/30/79-	16-	25-	9.2-	C-	-	6.9-	8-	-2-	7-	5-	8-	4-	3-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	-	0.40
16-	45.5583-	115.6000-	2-	07-	0-	L17221-	07/30/79-	16-	25-	11.4-	C-	-	7.1-	11-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.61
16-	45.5472-	115.5969-	2-	07-	0-	L17222-	07/30/79-	17-	25-	10.2-	C-	-	6.8-	13-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.32
16-	45.5369-	115.5833-	2-	07-	0-	L17223-	07/30/79-	18-	25-	11.7-	C-	-	7.1-	7-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.33
16-	45.5136-	115.5744-	2-	07-	0-	L17224-	07/30/79-	19-	24-	11.4-	C-	-	7.1-	12-	-2-	7-	5-	8-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	0.25
16-	45.5139-	115.5453-	2-	07-	0-	L17225-	07/30/79-	19-	24-	14.3-	C-	-	7.1-	10-	-2-	7-	4-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	0.01
16-	45.6044-	115.3828-	2-	07-	0-	L17226-	07/01/79-	12-	28-	9.7-	-	-	7.5-	19-	8-	4-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.56
16-	45.6056-	115.3833-	2-	07-	0-	L17227-	07/01/79-	12-	29-	9.7-	-	-	7.5-	17-	14-	4-	6-	5-	7-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.06
16-	45.6306-	115.4169-	2-	07-	0-	L17228-	07/01/79-	13-	29-	13.5-	-	-	7.5-	15-	4-	4-	6-	4-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.29
16-	45.6308-	115.4172-	2-	07-	0-	L17229-	07/01/79-	14-	28-	12.8-	-	-	7.1-	15-	3-	4-	6-	5-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.03
16-	45.6433-	115.4094-	2-	06-	0-	L17230-	07/01/79-	14-	29-	10.9-	-	-	7.6-	14-	27-	4-	7-	5-	7-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	0.17
16-	45.6581-	115.4125-	2-	07-	0-	L17231-	07/01/79-	15-	29-	14.5-	-	-	7.5-	15-	9-	2-	1-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.46
16-	45.6586-	115.4125-	2-	07-	0-	L17232-	07/01/79-	15-	29-	13.8-	-	-	7.2-	17-	14-	2-	1-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.03
16-	45.6958-	115.4203-	2-	07-	0-	L17233-	07/01/79-	16-	29-	17.3-	-	-	7.6-	28-	7-	4-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.15
16-	45.6919-	115.4169-	2-	07-	0-	L17234-	07/01/79-	16-	29-	15.4-	-	-	7.5-	29-	15-	4-	7-	4-	7-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.30
16-	45.6872-	115.3939-	2-	06-	0-	L17235-	07/01/79-	16-	29-	12.7-	-	-	7.5-	48-	6-	1-	6-	5-	6-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	0.03
16-	45.6794-	115.3817-	2-	07-	0-	L17236-	07/01/79-	16-	28-	16.6-	-	-	7.7-	32-	8-	1-	6-	4-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.69
16-	45.6853-	115.3753-	2-	06-	0-	L17237-	07/01/79-	17-	28-	10.1-	-	-	7.5-	20-	11-	1-	7-	5-	7-	3-	2-	1-	-4-	3-	3-	1-	-1-	-	-	-	-	-	0.60
16-	45.6478-	115.9633-	2-	06-	0-	L17238-	07/30/79-	19-	26-	6.2-	-	-	6.9-	1-	13-	1-	7-	5-	6-	3-	2-	1-	-1-	3-	4-	1-	-1-	-	-	-	-	-	0.09
16-	45.5372-	115.4950-	2-	07-	0-	L17239-	07/31/79-	12-	27-	12.9-	-	-	7.4-	16-	12-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.32
16-	45.5400-	115.4833-	2-	07-	0-	L17240-	07/31/79-	13-	27-	13.7-	-	-	7.2-	15-	14-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.63
16-	45.5397-	115.4758-	2-	07-	0-	L17241-	07/31/79-	13-	28-	13.2-	-	-	7.8-	15-	9-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.71
16-	45.5064-	115.4322-	2-	07-	0-	L17242-	07/31/79-	15-	29-	11.6-	C-	-	7.7-	19-	-1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.44
16-	45.5069-	115.4314-	2-	07-	0-	L17243-	07/31/79-	15-	29-	14.3-	C-	-	7.2-	28-	-1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.81
16-	45.5244-	115.4267-	2-	07-	0-	L17244-	07/31/79-	16-	28-	13.6-	C-	-	7.7-	29-	-1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.18
16-	45.5347-	115.4422-	2-	06-	0-	L17245-	07/31/79-	17-	26-	36.5-	C-	-	6.5-	37-	-1-	7-	4-	6-	3-	2-	1-	-4-	3-	3-	1-	-1-	-	-	-	-	-	-	0.01
16-	45.5319-	115.4375-	2-	06-	0-	L17246-	07/31/79-	17-	26-	16.0-	C-	-	6.9-	25-	-1-	7-	-	-	3-	3-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.25
16-	45.5556-	115.4611-	2-	07-	0-	L17247-	07/31/79-	17-	26-	15.5-	C-	-	7.4-	19-	-4-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.52
16-	45.5697-	115.4614-	2-	07-	0-	L17248-	07/31/79-	17-	26-	16.5-	C-	-	7.2-	17-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.83
16-	45.6000-	115.4483-	2-	06-	0-	L17249-	07/31/79-	18-	26-	17.6-	C-	-	7.5-	11-	-1-	7-	5-	8-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.67
16-	45.5889-	115.4511-	2-	07-	0-	L17250-	07/31/79-	18-	26-	18.5-	C-	-	7.1-	13-	-1-	7-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.32
16-	45.5900-	115.4492-	2-	07-	0-	L17251-	07/31/79-	18-	26-	19.3-	C-	-	7.2-	19-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.86
16-	45.5686-	115.4514-	2-	07-	0-	L17252-	07/31/79-	19-	26-	14.6-	C-	-	7.4-	22-	-1-	7-	5-	7-	3-	3-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	-	0.79
16-	45.6519-	115.4017-	2-	07-	0-	L17253-	07/31/79-	19-	26-	15.4-	C-	-	7.2-	17-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	1.29
16-	45.7294-	115.3900-	2-	07-	0-	L17254-	07/31/79-	20-	25-	15.3-	C-	-	7.4-	30-	-1-	7-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	0.93
16-	45.7083-	115.3989-	2-	07-	0-	L17255-	07/01/79-	18-	26-	10.7-	-	-	7.8-	22-	10-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.52
16-	45.7092-	115.4000-	2-	07-	0-	L17256-	07/01/79-	18-	26-	15.3-	-	-	7.3-	23-	25-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.35
16-	45.7436-	115.3892-	2-	07-	0-	L17257-	07/01/79-	19-	26-	15.7-	C-	-	7.6-	22-	11-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-3-	-	-	-	-	-	0.44
16-	45.7497-	115.4103-	2-	07-	0-	L17258-	07/02/79-	11-	28-	13.3-	-	-	7.3-	22-	16-	1-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.7394-	115.4681-	2-	06-	0-	L17259-	07/02/79-	12-	28-	15.5-	-	-	7.3-	27-	14-	1-	6-	5-	6-	2-	2-	1-	-1-	3-	4-	1-	-1-	-	-	-	-	-	0.48
16-	45.8667-	115.2186-	2-	07-	0-	L17260-	08/03/79-	16-	28-	14.8-	-	-	7.5-	20-	14-	1-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.18
16-	45.8661-	115.2175-	2-	07-	0-	L17261-	08/03/79-	16-	28-	14.9-	-	-	7.4-	24-	12-	1-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.21

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.8572-	115.2200-	2-	07-		0-	L17262-	08/03/79-	17-	28-14.3-	-	-	7.6-	23-	7-	1-	7-	5-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.35
16-	45.5181-	115.0744-	2-	07-		0-	L17264-	08/03/79-	11-	28- 9.9-	-	-	8.4-	103-	11-	2-	6-	3-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	0.83
16-	45.5161-	115.0739-	2-	07-		0-	L17265-	08/03/79-	11-	28- 9.7-	-	-	8.5-	31-	14-	2-	6-	2-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	0.56
16-	45.5219-	115.0878-	2-	07-		0-	L17266-	08/03/79-	12-	29-12.5-	-	-	8.3-	29-	13-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.82
16-	45.5297-	115.1075-	2-	07-		0-	L17267-	08/03/79-	12-	29-11.7-	-	-	8.1-	32-	16-	2-	6-	1-	7-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	3.02
16-	45.5317-	115.1106-	2-	07-		0-	L17268-	08/03/79-	12-	30- 8.7-	-	-	8.2-	53-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.99
16-	45.5400-	115.1372-	2-	06-		0-	L17269-	08/03/79-	13-	30-10.9-	-	-	8.1-	50-	5-	2-	6-	1-	7-	3-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	0.87
16-	45.5494-	115.1508-	2-	07-		0-	L17270-	08/03/79-	13-	30-14.9-	-	-	8.0-	21-	7-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.29
16-	45.5481-	115.1522-	2-	07-		0-	L17271-	08/03/79-	13-	30-12.4-	-	-	7.9-	42-	6-	2-	6-	1-	7-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.04
16-	45.5500-	115.1594-	2-	07-		0-	L17272-	08/03/79-	13-	30-13.2-	-	-	8.2-	36-	22-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	11.93
16-	45.5564-	115.1667-	2-	07-		0-	L17273-	08/03/79-	14-	30-13.4-	-	-	8.1-	27-	22-	2-	6-	3-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.01
16-	45.5614-	115.1719-	2-	07-		0-	L17274-	08/03/79-	14-	30-11.7-	-	-	8.1-	141-	10-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.01
16-	45.5686-	115.1919-	2-	07-		0-	L17275-	08/03/79-	14-	30-16.4-	-	-	8.1-	21-	4-	2-	6-	2-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.15
16-	45.5689-	115.2003-	2-	07-		0-	L17276-	08/03/79-	15-	31-15.1-	-	-	8.0-	43-	12-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.15
16-	45.5861-	115.1658-	2-	07-		0-	L17277-	08/03/79-	17-	27-13.7-	-	-	8.0-	41-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.49
16-	45.5861-	115.1636-	2-	07-		0-	L17278-	08/03/79-	17-	27-17.1-	-	-	7.8-	22-	11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.06
16-	45.5686-	115.2194-	2-	06-		0-	L17279-	08/03/79-	9-	22-13.3-	-	-	8.0-	174-	12-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	5-	2-	-1-	-	-	-	-	-	5.29
16-	45.5675-	115.2200-	2-	07-		0-	L17280-	08/04/79-	10-	22-11.9-	-	-	7.9-	31-	16-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.25
16-	45.5603-	115.2256-	2-	07-		0-	L17281-	08/04/79-	10-	23-12.4-	-	-	7.9-	53-	25-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.92
16-	45.5608-	115.2244-	2-	06-		0-	L17282-	08/04/79-	11-	23-11.5-	-	-	8.0-	56-	19-	2-	6-	4-	6-	3-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	0.12
16-	45.5603-	115.2228-	2-	07-		0-	L17283-	08/04/79-	11-	25-11.5-	-	-	7.9-	95-	16-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	2.62
16-	45.5567-	115.2289-	2-	07-		0-	L17284-	08/04/79-	11-	25-13.2-	-	-	8.0-	43-	31-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	1.39
16-	45.5444-	115.2461-	2-	07-		0-	L17285-	08/04/79-	11-	26- 9.7-	-	-	7.9-	23-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.68
16-	45.5383-	115.2597-	2-	07-		0-	L17286-	08/04/79-	11-	25-11.9-C	-	-	7.9-	19-	-2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	0.73
16-	45.5014-	115.3233-	2-	07-		0-	L17287-	08/04/79-	12-	27-11.9-	-	-	7.7-	49-	28-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.39
16-	45.4944-	115.3253-	2-	07-		0-	L17288-	08/04/79-	12-	27-14.0-	-	-	7.8-	21-	31-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.07
16-	45.4839-	115.3303-	2-	07-		0-	L17289-	08/04/79-	13-	28-13.2-	-	-	7.8-	34-	6-	2-	6-	2-	7-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.37
16-	45.4831-	115.3439-	2-	07-		0-	L17290-	08/04/79-	14-	31-12.4-	-	-	7.7-	19-	14-	2-	6-	3-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.07
16-	45.4753-	115.3486-	2-	07-		0-	L17291-	08/04/79-	14-	31-13.9-	-	-	7.8-	46-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.52
16-	45.4728-	115.3833-	2-	07-		0-	L17292-	08/04/79-	14-	32-12.3-	-	-	7.6-	20-	4-	2-	6-	2-	6-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.20
16-	45.4172-	115.4614-	2-	07-		0-	L17293-	08/04/79-	17-	29-14.1-	-	-	7.8-	31-	12-	2-	6-	2-	6-	4-	3-	1-	2-	2-	5-	5-	1-	-1-	-	-	-	-	1.14
16-	45.4158-	115.4603-	2-	07-		0-	L17294-	08/04/79-	17-	30-13.9-	-	-	7.7-	26-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.46
16-	45.4119-	115.4681-	2-	07-		0-	L17295-	08/04/79-	18-	28-15.4-	-	-	7.6-	27-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.18
16-	45.3875-	115.5328-	2-	07-		0-	L17296-	08/05/79-	13-	29-19.1-	-	-	7.3-	83-	10-	2-	6-	2-	1-	3-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	0.57
16-	45.3950-	115.5794-	2-	07-		0-	L17298-	08/05/79-	14-	30-21.5-	-	-	7.5-	111-	10-	2-	6-	4-	1-	2-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	0.52
16-	45.3936-	115.5850-	2-	07-		0-	L17299-	08/05/79-	14-	30-15.9-	-	-	7.8-	23-	13-	2-	6-	2-	6-	4-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	0.38
16-	45.3967-	115.5933-	2-	07-		0-	L17300-	08/05/79-	14-	31-19.4-	-	-	7.7-	28-	24-	2-	6-	2-	1-	4-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	0.97
16-	45.3986-	115.6097-	2-	07-		0-	L17301-	08/05/79-	15-	31-17.4-	-	-	7.7-	74-	9-	2-	6-	4-	1-	3-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	1.28
16-	45.4072-	115.6289-	2-	07-		0-	L17303-	08/05/79-	15-	30-15.6-	-	-	7.7-	56-	7-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.60
16-	45.4239-	115.6517-	2-	07-		0-	L17305-	08/05/79-	15-	31-15.5-	-	-	7.8-	27-	12-	2-	6-	2-	1-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	0.17
16-	45.4353-	115.6644-	2-	07-		0-	L17307-	08/05/79-	16-	30-20.6-	-	-	7.6-	23-	6-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.22
16-	45.4461-	115.7153-	2-	07-		0-	L17310-	08/05/79-	17-	29-14.2-	-	-	7.7-	63-	13-	2-	6-	4-	1-	2-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	0.46
16-	45.4450-	115.7275-	2-	07-		0-	L17311-	08/05/79-	18-	26-17.3-	-	-	7.7-	31-	14-	2-	6-	2-	1-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	0.23
16-	45.4436-	115.7381-	2-	07-		0-	L17312-	08/05/79-	18-	24-14.2-	-	-	7.8-	64-	14-	2-	6-	2-	1-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	0.81
16-	45.4472-	115.7608-	2-	07-		0-	L17313-	08/05/79-	19-	24-14.8-	-	-	7.9-	35-	12-	2-	6-	2-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.61
16-	45.4650-	115.7783-	2-	07-		0-	L17315-	08/06/79-	10-	25-13.6-	-	-	7.8-	30-	20-	2-	6-	4-	1-	3-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	0.07
16-	45.4653-	115.7817-	2-	07-		0-	L17316-	08/06/79-	10-	25-12.6-	-	-	7.7-	22-	17-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.45
16-	45.4703-	115.8100-	2-	07-		0-	L17319-	08/06/79-	11-	28-14.3-	-	-	8.0-	23-	7-	2-	6-	2-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	0.16
16-	45.4661-	115.8122-	2-	07-		0-	L17320-	08/06/79-	11-	28-14.2-	-	-	7.9-	65-	11-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	0.06
16-	45.4656-	115.8314-	2-	07-		0-	L17321-	08/06/79-	11-	28-12.9-	-	-	7.9-	97-	10-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.31
16-	45.4658-	115.8444-	2-	07-		0-	L17322-	08/06/79-	11-	30-16.2-	-	-	7.9-	82-	14-	2-	6-	1-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.57

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (cts/min)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (inches)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
16-	45.4586-	115.8583-	2-	07-	0-	L17324-	08/06/79-	12-	30-	11.7-	-	-	7.9-	65-	18-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.09
16-	45.4578-	115.8789-	2-	07-	0-	L17325-	08/06/79-	13-	31-	12.0-	-	-	8.0-	99-	25-	2-	6-	2-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.42
16-	45.4606-	115.8881-	2-	07-	0-	L17327-	08/06/79-	14-	30-	20.1-	-	-	7.9-	195-	12-	2-	6-	4-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.72
16-	45.4628-	115.9436-	2-	07-	0-	L17328-	08/06/79-	15-	31-	16.3-	-	-	8.2-	33-	8-	2-	6-	2-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	0.01
16-	45.4619-	115.9472-	2-	07-	0-	L17329-	08/06/79-	15-	31-	17.6-	-	-	8.0-	75-	6-	2-	6-	4-	1-	2-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.42
16-	45.4611-	115.9497-	2-	07-	0-	L17330-	08/06/79-	15-	30-	16.8-	-	-	8.0-	64-	7-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.23
16-	45.4556-	115.9414-	2-	07-	0-	L17331-	08/06/79-	15-	30-	16.8-	-	-	7.9-	34-	7-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.31
16-	45.4617-	114.3736-	2-	07-	0-	L17332-	08/17/79-	11-	26-	9.0-	-	-	7.9-	31-	32-	2-	1-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.39
16-	45.4725-	115.3953-	2-	07-	0-	L17333-	08/07/79-	15-	32-	17.2-	C-	-	8.0-	82-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.37
16-	45.4594-	115.4264-	2-	07-	0-	L17334-	08/07/79-	16-	32-	12.7-	C-	-	8.0-	38-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.03
16-	45.4425-	115.4442-	2-	07-	0-	L17336-	08/07/79-	17-	31-	16.7-	C-	-	7.9-	51-		-2-	6-	4-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.61
16-	45.8564-	115.2183-	2-	07-	0-	L17338-	08/03/79-	17-	28-	13.1-	-	-	7.5-	33-	7-	1-	7-	5-	7-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.08
16-	45.8822-	115.2158-	2-	07-	0-	L17339-	08/03/79-	18-	27-	13.7-	-	-	7.6-	34-	10-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.61
16-	45.8814-	115.2175-	2-	07-	0-	L17340-	08/03/79-	18-	27-	15.5-	-	-	7.5-	23-	7-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.39
16-	45.8778-	115.2542-	2-	06-	0-	L17341-	08/03/79-	20-	26-	10.6-	-	-	7.8-	16-	11-	1-	6-	5-	8-	2-	-1-	-1-	-1-	3-	4-	1-	-1-	-	-	-	-	-	0.23
16-	45.8825-	115.2328-	2-	07-	0-	L17343-	08/03/79-	19-	27-	14.5-	-	-	7.6-	16-	7-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.73
16-	45.9003-	115.2414-	2-	07-	0-	L17344-	08/04/79-	8-	26-	11.4-	-	-	7.7-	36-	12-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.68
16-	45.8958-	115.2436-	2-	07-	0-	L17345-	08/04/79-	9-	26-	11.5-	-	-	7.5-	15-	12-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.69
16-	45.9408-	115.2517-	2-	07-	0-	L17346-	08/04/79-	11-	27-	9.9-	-	-	7.6-	41-	6-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.56
16-	45.9403-	115.2628-	2-	07-	0-	L17347-	08/04/79-	13-	29-	12.1-	-	-	7.5-	14-	5-	1-	6-	5-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.07
16-	45.9386-	115.2619-	2-	07-	0-	L17348-	07/04/79-	13-	29-	12.9-	-	-	7.6-	18-	9-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.40
16-	45.9556-	115.2844-	2-	07-	0-	L17349-	07/04/79-	14-	30-	16.2-	-	-	7.8-	39-	8-	1-	6-	5-	8-	2-	2-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.52
16-	45.9911-	115.2847-	2-	07-	0-	L17350-	08/04/79-	17-	28-	14.2-	-	-	7.8-	16-	9-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.43
16-	45.7364-	115.2314-	2-	06-	0-	L17351-	08/05/79-	11-	26-	8.7-	-	-	5.6-	12-	12-	1-	7-	4-	6-	3-	-1-	-3-	-4-	4-	1-	-1-	-	-	-	-	-	-	0.01
16-	45.6983-	115.2161-	2-	07-	0-	L17352-	08/05/79-	12-	28-	12.1-	-	-	6.5-	15-	13-	1-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.07
16-	45.7050-	115.2222-	2-	06-	0-	L17353-	08/05/79-	13-	27-	11.5-	-	-	6.3-	8-	13-	1-	6-	5-	6-	2-	-1-	-4-	3-	4-	1-	-1-	-	-	-	-	-	-	0.03
16-	45.7589-	115.0714-	2-	06-	0-	L17354-	07/05/79-	14-	29-	5.3-	-	-	6.4-	10-	4-	1-	7-	5-	6-	2-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	0.31
16-	45.7961-	115.0311-	2-	06-	0-	L17355-	08/05/79-	14-	29-		-C-	-	-	-	2-	1-	7-	5-	6-	2-	2-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	0.01
16-	45.8825-	115.0417-	2-	06-	0-	L17356-	08/05/79-	15-	26-	13.8-	-	-	7.1-	8-	8-	1-	7-	5-	6-	2-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	0.03
16-	45.8736-	115.0378-	2-	06-	0-	L17357-	08/05/79-	16-	28-	5.6-	-	-	6.5-	6-	8-	1-	6-	5-	8-	2-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	0.22
16-	45.7269-	115.1233-	2-	06-	0-	L17358-	08/05/79-	17-	26-	7.9-	-	-	6.5-	11-	11-	1-	7-	5-	6-	2-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	0.50
16-	45.4931-	115.6114-	2-	07-	0-	L17359-	08/06/79-	14-	30-	13.7-	-	-	6.5-	32-	7-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.18
16-	45.4933-	115.6156-	2-	07-	0-	L17360-	08/06/79-	14-	30-	14.1-	-	-	6.3-	31-	10-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.37
16-	45.4897-	115.6136-	2-	06-	0-	L17361-	08/06/79-	14-	28-	9.4-	-	-	7.0-	131-	11-	1-	7-	4-	6-	2-	2-	1-	-1-	3-	4-	1-	-1-	-	-	-	-	-	9.82
16-	45.4817-	115.6075-	2-	07-	0-	L17362-	08/06/79-	15-	29-	15.5-	-	-	6.8-	38-	9-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.46
16-	45.5681-	115.6978-	2-	06-	0-	L17363-	08/05/79-	14-	31-	10.5-	-	-	6.3-	27-	5-	2-	7-	5-	6-	2-	2-	1-	-4-	2-	5-	1-	-1-	-	-	-	-	-	0.22
16-	45.5594-	115.6872-	2-	07-	0-	L17364-	08/05/79-	14-	32-	14.8-	-	-	6.7-	36-	8-	2-	6-	5-	6-	3-	3-	1-	2-	4-	3-	5-	1-	-1-	-	-	-	-	0.30
16-	45.5522-	115.6931-	2-	06-	0-	L17365-	08/05/79-	15-	28-	4.3-	-	-	7.0-	11-	12-	2-	6-	5-	8-	2-	2-	1-	-1-	2-	5-	1-	-1-	-	-	-	-	-	0.01
16-	45.6178-	115.6711-	2-	06-	0-	L17366-	08/05/79-	16-	28-	9.4-	-	-	7.2-	13-	8-	2-	7-	5-	8-	2-	2-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	0.21
16-	45.7908-	114.7622-	2-	07-	0-	L17367-	08/09/79-	8-	20-	12.1-	-	-	8.1-	41-	25-	2-	1-	4-	6-	3-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.18
16-	45.7814-	114.7347-	2-	07-	0-	L17368-	08/09/79-	10-	27-	13.0-	-	-	8.1-	69-	23-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	5-	1-	-1-	-	-	-	-	0.19
16-	45.7767-	114.7222-	2-	07-	0-	L17369-	08/09/79-	10-	28-	10.6-	-	-	8.4-	22-	45-	2-	6-	4-	6-	2-	2-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	0.22
16-	45.7792-	114.7119-	2-	07-	0-	L17370-	08/09/79-	11-	30-	10.3-	-	-	8.4-	55-	18-	2-	6-	4-	6-	2-	2-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.44
16-	45.7781-	114.6972-	2-	07-	0-	L17371-	08/09/79-	11-	31-	12.4-	-	-	8.3-	46-	26-	2-	6-	4-	6-	2-	2-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	0.01
16-	45.7792-	114.6906-	2-	07-	0-	L17372-	08/09/79-	12-	32-	11.9-	-	-	8.2-	48-	25-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.21
16-	45.7769-	114.6886-	2-	07-	0-	L17373-	08/09/79-	12-	32-	10.0-	-	-	8.1-	17-	35-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.01
16-	45.7706-	114.6689-	2-	07-	0-	L17374-	08/09/79-	13-	32-	10.2-	-	-	8.4-	70-	25-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	5-	1-	-1-	-	-	-	-	0.21
16-	45.7658-	114.6625-	2-	07-	0-	L17375-	08/09/79-	14-	32-	11.8-	-	-	8.2-	20-	35-	2-	6-	4-	6-	3-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	0.65
16-	45.7656-	114.6611-	2-	07-	0-	L17376-	08/09/79-	14-	32-	14.1-	-	-	8.2-	36-	32-	2-	7-	4-	6-	3-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.01
16-	45.7636-	114.6569-	2-	07-	0-	L17377-	08/09/79-	15-	32-	7.8-	-	-	8.0-	23-	20-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	1.17
16-	45.7753-	114.6817-	2-	07-	0-	L17378-	08/09/79-	16-	30-	15.2-	-	-	7.7-	35-	35-	2-	7-	4-	6-	3-	3-	1-	2-	2-	3-	5-	1-	-1-	-	-	-	-	0.01

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (μmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT COLOR	SEDIMENT TYPE	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.7800-	114.7350-	2-	07-	0-	L17379-	08/09/79-	18-	25-	13.1-	-	-	8.5-	34-	-2-	6-	4-	6-	2-	2-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	0.35
16-	45.7831-	114.7725-	2-	07-	0-	L17380-	08/09/79-	19-	28-	13.5-	C-	-	6.5-	18-	-2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.01
16-	45.7533-	114.7744-	2-	07-	0-	L17381-	08/09/79-	20-	28-	14.7-	C-	-	6.6-	20-	-2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.01
16-	45.7536-	114.7719-	2-	07-	0-	L17382-	08/09/79-	20-	25-	12.1-	-	-	6.6-	73-	20-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	5-	1-	-1-	-	-	-	-	0.07
16-	45.6889-	114.8206-	2-	06-	0-	L17383-	08/10/79-	12-	32-	5.8-	-	-	8.1-	13-	12-	2-	6-	5-	6-	2-	2-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	0.73
16-	45.7044-	114.8297-	2-	06-	0-	L17384-	08/10/79-	13-	32-	4.4-	-	-	8.3-	21-	14-	2-	6-	4-	6-	2-	2-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	0.41
16-	45.7211-	114.8567-	2-	07-	0-	L17385-	08/10/79-	14-	33-	13.1-	-	-	8.3-	18-	10-	2-	5-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.05
16-	45.7208-	114.8589-	2-	07-	0-	L17386-	08/10/79-	14-	33-	14.5-	-	-	7.5-	16-	31-	2-	6-	4-	7-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.03
16-	45.7219-	114.8581-	2-	07-	0-	L17387-	08/10/79-	14-	32-	14.0-	-	-	7.5-	23-	31-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.01
16-	45.7178-	114.8600-	2-	06-	0-	L17388-	08/10/79-	15-	32-	41.1-	C-	-	9.5-	213-	15-	2-	7-	-	-	2-	2-	1-	-1-	2-	5-	2-	-1-	-	-	-	-	0.32
16-	45.6969-	114.8283-	2-	06-	0-	L17389-	08/10/79-	17-	30-	8.9-	-	-	7.3-	15-	18-	2-	1-	5-	8-	2-	2-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	0.05
16-	45.7231-	114.7678-	2-	06-	0-	L17390-	08/10/79-	19-	28-	11.9-	C-	-	6.6-	63-	35-	2-	6-	4-	6-	2-	2-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	0.28
16-	45.6653-	114.8097-	2-	06-	0-	L17391-	08/10/79-	19-	29-	5.2-	-	-	7.5-	11-	10-	2-	1-	5-	8-	3-	3-	1-	-1-	2-	5-	1-	-1-	-	-	-	-	0.10
16-	45.5539-	114.7064-	2-	07-	0-	L17392-	08/11/79-	17-	30-	10.2-	-	-	7.3-	18-	20-	2-	7-	4-	6-	2-	2-	1-	2-	1-	4-	5-	2-	-1-	-	-	-	-	0.27
16-	45.5444-	114.7100-	2-	07-	0-	L17393-	08/11/79-	17-	32-	11.5-	-	-	7.2-	11-	32-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	5-	2-	-1-	-	-	-	-	0.12
16-	45.5308-	114.7111-	2-	07-	0-	L17394-	08/11/79-	18-	32-	10.3-	-	-	7.1-	13-	25-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.39
16-	45.5019-	114.7222-	2-	07-	0-	L17395-	08/11/79-	19-	26-	13.0-	C-	-	7.1-	19-	-2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.20
16-	45.5025-	114.7208-	2-	07-	0-	L17396-	08/11/79-	19-	26-	12.1-	C-	-	7.2-	17-	-2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.54
16-	45.5203-	114.7019-	2-	07-	0-	L17397-	08/12/79-	6-	25-	8.1-	-	-	7.5-	33-	15-	2-	6-	4-	6-	3-	3-	1-	2-	1-	5-	4-	3-	-1-	-	-	-	-	1.46
16-	45.5278-	114.6778-	2-	07-	0-	L17398-	08/11/79-	19-	28-	10.6-	-	-	7.1-	13-	7-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.49
16-	45.5267-	114.6783-	2-	07-	0-	L17399-	08/11/79-	20-	28-	9.9-	-	-	7.2-	16-	14-	2-	1-	4-	6-	3-	3-	1-	2-	1-	5-	4-	2-	-1-	-	-	-	-	0.61
16-	45.5256-	114.6883-	2-	07-	0-	L17400-	08/11/79-	20-	28-	10.6-	-	-	7.1-	32-	17-	2-	6-	4-	6-	2-	2-	1-	2-	1-	5-	4-	2-	-1-	-	-	-	-	0.88
16-	45.5203-	114.7006-	2-	07-	0-	L17401-	08/12/79-	6-	25-	8.8-	-	-	7.3-	35-	16-	2-	6-	4-	6-	3-	3-	1-	2-	1-	5-	4-	3-	-1-	-	-	-	-	0.37
16-	45.5208-	114.7042-	2-	07-	0-	L17402-	08/12/79-	7-	25-	9.6-	-	-	7.3-	31-	18-	2-	7-	4-	6-	3-	3-	1-	2-	1-	5-	4-	4-	-1-	-	-	-	-	0.81
16-	45.5283-	114.7075-	2-	07-	0-	L17403-	08/12/79-	7-	28-	9.6-	-	-	7.2-	56-	21-	2-	6-	4-	6-	3-	3-	1-	2-	1-	5-	4-	4-	-1-	-	-	-	-	1.12
16-	45.5283-	114.7106-	2-	06-	0-	L17404-	08/12/79-	7-	28-	6.1-	-	-	7.2-	28-	29-	2-	6-	5-	8-	2-	2-	1-	-1-	5-	4-	4-	-1-	-	-	-	-	0.22
16-	45.5539-	114.7042-	2-	07-	0-	L17405-	08/12/79-	8-	26-	9.4-	-	-	7.5-	63-	15-	2-	6-	4-	6-	3-	3-	1-	2-	1-	5-	4-	4-	-1-	-	-	-	-	0.63
16-	45.5706-	114.7181-	2-	07-	0-	L17407-	08/12/79-	9-	25-	9.2-	-	-	7.4-	110-	30-	2-	6-	5-	8-	2-	2-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	0.92
16-	45.5797-	114.7192-	2-	07-	0-	L17408-	08/12/79-	10-	25-	10.9-	-	-	7.6-	28-	30-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	5-	4-	-1-	-	-	-	-	0.27
16-	45.5786-	114.7211-	2-	07-	0-	L17409-	08/12/79-	10-	26-	10.6-	-	-	7.5-	30-	17-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	4-	-1-	-	-	-	-	0.50
16-	45.5972-	114.7192-	2-	07-	0-	L17410-	08/12/79-	10-	26-	10.7-	-	-	7.6-	47-	12-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	5-	4-	-1-	-	-	-	-	0.45
16-	45.5972-	114.7167-	2-	07-	0-	L17411-	08/12/79-	11-	25-	11.1-	-	-	7.7-	28-	29-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	5-	4-	-1-	-	-	-	-	1.21
16-	45.6000-	114.7131-	2-	07-	0-	L17412-	08/12/79-	11-	26-	8.0-	-	-	7.6-	71-	14-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	2.46
16-	45.6822-	115.0753-	2-	07-	0-	L17413-	08/06/79-	14-	32-	12.6-	-	-	7.6-	5-	23-	2-	7-	1-	7-	3-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.62
16-	45.6747-	115.0744-	2-	07-	0-	L17414-	06/08/79-	15-	32-	16.7-	-	-	7.3-	11-	17-	2-	2-	2-	7-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.41
16-	45.6653-	115.0953-	2-	07-	0-	L17415-	08/06/79-	16-	31-	12.8-	-	-	7.5-	13-	17-	2-	7-	2-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.74
16-	45.6456-	115.1092-	2-	07-	0-	L17416-	08/06/79-	17-	30-	15.1-	-	-	7.2-	22-	12-	2-	7-	5-	6-	3-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	0.63
16-	45.6417-	115.1219-	2-	07-	0-	L17417-	08/06/79-	17-	30-	13.0-	-	-	7.2-	15-	21-	2-	7-	1-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.58
16-	45.6350-	115.1150-	2-	07-	0-	L17418-	08/06/79-	18-	28-	12.1-	-	-	7.1-	19-	10-	2-	7-	1-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	0.48
16-	45.6942-	114.5581-	2-	07-	0-	L17419-	08/09/79-	18-	28-	16.3-	-	-	7.2-	30-	29-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.49
16-	45.7025-	114.5789-	2-	07-	0-	L17420-	08/09/79-	18-	28-	12.5-	-	-	7.3-	20-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	1.28
16-	45.7033-	114.5781-	2-	07-	0-	L17421-	08/09/79-	18-	29-	14.1-	-	-	7.2-	22-	33-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.32
16-	45.7056-	114.5906-	2-	07-	0-	L17422-	08/09/79-	19-	28-	13.1-	-	-	7.3-	21-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.58
16-	45.7083-	114.6011-	2-	07-	0-	L17423-	08/09/79-	19-	28-	12.8-	-	-	7.2-	42-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	2.41
16-	45.7061-	114.6150-	2-	07-	0-	L17424-	08/09/79-	19-	28-	12.3-	-	-	7.4-	24-	21-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.53
16-	45.7033-	114.6192-	2-	07-	0-	L17425-	08/09/79-	19-	28-	12.8-	-	-	7.3-	34-	15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	1.42
16-	45.5742-	114.9644-	2-	07-	0-	L17426-	08/10/79-	14-	31-	8.2-	-	-	7.1-	10-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.01
16-	45.5731-	114.9656-	2-	07-	0-	L17427-	08/10/79-	14-	31-	7.2-	-	-	7.2-	6-	19-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.31
16-	45.5719-	114.9658-	2-	07-	0-	L17428-	08/10/79-	14-	31-	7.9-	-	-	7.1-	2-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.01
16-	45.5925-	114.9528-	2-	06-	0-	L17429-	08/10/79-	16-	30-	6.9-	-	-	6.9-	1-	7-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	0.05
16-	45.6069-	114.9372-	2-	06-	0-	L17430-	08/10/79-	15-	30-	10.9-	-	-	7.5-	14-	7-	2-	6-	3-	6-	3-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	0.26

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																									U CONCENTRATION
							TIME SAMPLED																								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	CLIMATICS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (µ) UNITS IN ppb
16-	45.6169-	114.9311-	2-	06-	0-	L17431-	08/10/79-	15-	29-	3.5-	-	-	7.4-	4-	5-	2-	6-	3-	6-	3-	3-	1-	-	1-	3-	5-	2-	-1-	-	-	-	-	0.21
16-	45.6350-	114.9108-	2-	06-	0-	L17432-	08/10/79-	17-	28-	8.5-	-	-	6.9-	6-	5-	2-	6-	5-	6-	3-	3-	1-	-	1-	3-	5-	2-	-1-	-	-	-	-	0.09
16-	45.6194-	114.8464-	2-	06-	0-	L17433-	08/10/79-	18-	28-	8.5-	-	-	7.1-	2-	7-	2-	6-	5-	6-	3-	3-	1-	-	1-	3-	5-	2-	-1-	-	-	-	-	0.46
16-	45.7356-	114.7506-	2-	07-	0-	L17434-	08/10/79-	20-	26-	14.3-	-	-	6.8-	42-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.72
16-	45.7458-	114.7589-	2-	07-	0-	L17435-	08/10/79-	20-	26-	13.7-	-	-	6.8-	59-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.53
16-	45.7444-	114.7600-	2-	07-	0-	L17436-	08/10/79-	20-	26-	13.4-	-	-	6.9-	23-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.55
16-	45.4731-	115.6233-	2-	07-	0-	L17438-	08/06/79-	15-	29-	15.7-	-	-	7.0-	18-	11-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.70
16-	45.4725-	115.6197-	2-	07-	0-	L17439-	08/06/79-	17-	31-	9.9-	-	-	6.9-	26-	12-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.54
16-	45.4800-	115.6011-	2-	07-	0-	L17440-	08/06/79-	17-	31-	11.3-	-	-	6.7-	29-	8-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.37
16-	45.4922-	115.5906-	2-	06-	0-	L17441-	08/06/79-	18-	28-	9.8-	-	-	7.2-	52-	8-	1-	7-	5-	8-	2-	3-	1-	-	1-	3-	5-	1-	-1-	-	-	-	-	1.73
16-	45.5006-	115.5842-	2-	06-	0-	L17442-	08/06/79-	18-	28-	12.7-	-	-	7.3-	32-	12-	1-	7-	5-	8-	2-	3-	1-	-	1-	3-	5-	2-	-1-	-	-	-	-	0.34
16-	45.5094-	115.5778-	2-	06-	0-	L17443-	08/06/79-	18-	27-	12.9-	-	-	7.4-	51-	4-	1-	7-	5-	8-	2-	3-	1-	-	1-	3-	5-	1-	-1-	-	-	-	-	0.98
16-	45.5147-	115.5553-	2-	06-	0-	L17444-	08/06/79-	19-	26-	12.1-	-	-	7.4-	34-	8-	1-	7-	5-	8-	2-	3-	1-	-	1-	3-	5-	2-	-1-	-	-	-	-	0.31
16-	45.8981-	114.7778-	2-	07-	0-	L17446-	08/09/79-	10-	29-	14.1-	-	-	7.4-	51-	7-	1-	7-	4-	8-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.32
16-	45.8878-	114.7642-	2-	07-	0-	L17447-	08/09/79-	11-	30-	15.5-	-	-	7.7-	66-	6-	1-	7-	5-	8-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.25
16-	45.9217-	114.7394-	2-	07-	0-	L17448-	08/09/79-	13-	30-	18.1-	-	-	7.8-	44-	9-	2-	7-	4-	6-	2-	2-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	0.50
16-	45.9225-	114.7378-	2-	07-	0-	L17449-	08/09/79-	13-	30-	13.7-	-	-	7.9-	47-	11-	2-	7-	4-	6-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	0.15
16-	45.9228-	114.7389-	2-	07-	0-	L17450-	07/09/79-	13-	31-	19.5-	-	-	7.9-	47-	13-	2-	1-	4-	6-	2-	2-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	0.01
16-	45.9114-	114.7403-	2-	07-	0-	L17451-	08/09/79-	14-	30-	14.4-	-	-	7.8-	128-	9-	1-	7-	5-	6-	2-	2-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	0.02
16-	45.8997-	114.7492-	2-	06-	0-	L17452-	08/09/79-	14-	30-	12.6-	-	-	8.3-	207-	12-	1-	7-	5-	8-	2-	3-	1-	-	2-	3-	4-	1-	-1-	-	-	-	-	0.58
16-	45.8761-	114.7594-	2-	07-	0-	L17456-	08/09/79-	15-	31-	17.4-	-	-	8.4-	50-	-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.05
16-	45.8500-	114.7383-	2-	07-	0-	L17458-	08/09/79-	16-	29-	17.6-	-	-	8.0-	27-	3-	1-	7-	4-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.39
16-	45.8383-	114.7425-	2-	07-	0-	L17459-	08/09/79-	17-	29-	12.7-	-	-	7.9-	84-	35-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.11
16-	45.8261-	114.7533-	2-	07-	0-	L17462-	08/09/79-	17-	28-	14.3-	-	-	8.0-	71-	3-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.63
16-	45.7178-	114.7214-	2-	07-	0-	L17464-	08/09/79-	15-	30-	12.2-	-	-	8.0-	33-	15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.92
16-	45.7144-	114.7206-	2-	07-	0-	L17465-	08/09/79-	16-	30-	13.1-	-	-	7.9-	43-	20-	2-	6-	3-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.73
16-	45.7089-	114.7219-	2-	07-	0-	L17466-	08/09/79-	16-	29-	11.6-	-	-	8.1-	49-	-	2-	6-	5-	8-	2-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	1.35
16-	45.7025-	114.7169-	2-	07-	0-	L17467-	08/09/79-	16-	29-	11.9-	-	-	8.0-	60-	17-	2-	6-	3-	6-	2-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.90
16-	45.7028-	114.7144-	2-	06-	0-	L17468-	08/09/79-	17-	29-	16.6-	-	-	7.1-	99-	12-	2-	6-	5-	8-	2-	3-	1-	-	1-	3-	5-	1-	-1-	-	-	-	-	0.73
16-	45.7069-	114.7175-	2-	07-	0-	L17469-	08/09/79-	17-	29-	16.7-	-	-	7.8-	35-	17-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.72
16-	45.7081-	114.7172-	2-	07-	0-	L17470-	08/09/79-	17-	28-	19.2-	-	-	7.9-	39-	15-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.58
16-	45.7136-	114.7000-	2-	07-	0-	L17471-	08/09/79-	18-	27-	14.1-	-	-	7.8-	80-	25-	2-	6-	5-	6-	2-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.93
16-	45.6978-	114.6694-	2-	07-	0-	L17473-	08/09/79-	18-	27-	14.9-	-	-	8.0-	61-	15-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	0.60
16-	45.6964-	114.6497-	2-	06-	0-	L17474-	08/09/79-	19-	26-	10.9-	-	-	7.8-	105-	10-	2-	6-	5-	7-	2-	2-	4-	-	1-	3-	5-	1-	-1-	-	-	-	-	1806.58
16-	45.7019-	114.6369-	2-	07-	0-	L17475-	08/09/79-	19-	26-	11.6-	-	-	7.9-	45-	20-	2-	6-	3-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	1.08
16-	45.6925-	114.6561-	2-	07-	0-	L17476-	08/09/79-	19-	26-	17.8-	-	-	7.8-	34-	15-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	0.25
16-	45.7317-	114.7378-	2-	06-	0-	L17478-	08/09/79-	19-	26-	17.1-	-	-	7.9-	135-	20-	2-	6-	5-	8-	2-	2-	1-	-	1-	3-	5-	1-	-9-	-	-	-	-	0.41
16-	45.8167-	114.7600-	2-	07-	0-	L17480-	08/09/79-	18-	29-	15.1-	C-	-	8.2-	36-	-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.40
16-	45.8000-	114.7625-	2-	07-	0-	L17482-	08/09/79-	19-	29-	15.5-	C-	-	8.0-	30-	-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.51
16-	45.8686-	114.7281-	2-	07-	0-	L17483-	08/10/79-	16-	29-	14.3-	-	-	8.3-	147-	4-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.18
16-	45.8686-	114.7217-	2-	06-	0-	L17484-	08/10/79-	16-	29-	23.5-	-	-	8.2-	233-	7-	1-	7-	5-	8-	2-	2-	1-	-	1-	3-	4-	2-	-1-	-	-	-	-	1.10
16-	45.8814-	114.7033-	2-	07-	0-	L17485-	08/10/79-	17-	28-	15.2-	-	-	8.5-	59-	11-	2-	6-	4-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.76
16-	45.8839-	114.6961-	2-	07-	0-	L17486-	08/10/79-	17-	29-	15.3-	-	-	8.4-	12-	12-	2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	1.04
16-	45.8842-	114.6744-	2-	07-	0-	L17487-	08/10/79-	17-	28-	14.8-	C-	-	8.2-	44-	11-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.44
16-	45.8831-	114.6733-	2-	07-	0-	L17488-	08/10/79-	18-	28-	14.1-	-	-	8.1-	41-	11-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-9-	-	-	-	-	0.01
16-	45.8811-	114.6567-	2-	07-	0-	L17489-	08/10/79-	18-	28-	14.2-	C-	-	7.9-	61-	11-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.21
16-	45.8831-	114.6492-	2-	06-	0-	L17490-	08/10/79-	19-	27-	14.9-	C-	-	7.9-	56-	12-	1-	7-	5-	8-	2-	2-	1-	-	1-	3-	4-	3-	-1-	-	-	-	-	0.06
16-	45.8819-	114.6467-	2-	07-	0-	L17491-	08/10/79-	19-	28-	14.8-	C-	-	7.9-	108-	11-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.18
16-	45.8839-	114.6392-	2-	07-	0-	L17492-	08/10/79-	19-	28-	14.5-	C-	-	7.9-	24-	10-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.01
16-	45.8886-	114.6139-	2-	06-	0-	L17493-	08/10/79-	20-	27-	11.4-	C-	-	7.7-	24-	-	1-	7-	5-	8-	2-	-	1-	-	1-	3-	4-	3-	-1-	-	-	-	-	0.01
16-	45.8947-	114.5908-	2-	07-	0-	L17494-	09/11/79-	6-	18-	11.3-	-	-	8.0-	22-	20-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-9-	-	-	-	-	0.01

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																							U CONCENTRATION
							TIME SAMPLED																						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (**) UNITS IN ppb
16-	45.8872-	114.6119-	2-	07-	0-	L17495-	09/11/79-	5-	25-	12.6-	C-	-	8.3-	13-	12-1-7-5-6-3-3-1-2-1-3-4-3-													-1-	-	-	-	-	0.01
16-	45.8803-	114.5889-	2-	07-	0-	L17496-	08/11/79-	6-	26-	11.6-	C-	-	7.8-	19-	11-1-7-5-6-3-3-1-2-1-3-4-3-													-1-	-	-	-	-	0.01
16-	45.8817-	114.5708-	2-	06-	0-	L17497-	08/11/79-	6-	27-	12.0-	C-	-	8.1-	61-	6-1-7-5-8-2-2-1- -1-3-4-3-													-1-	-	-	-	-	0.01
16-	45.8836-	114.5614-	2-	07-	0-	L17498-	08/11/79-	6-	27-	11.4-	C-	-	8.0-	31-	18-1-7-5-8-2-2-1-2-1-3-4-3-													-1-	-	-	-	-	0.18
16-	45.8842-	114.5436-	2-	07-	0-	L17499-	08/11/79-	7-	26-	11.1-	C-	-	7.9-	21-	9-1-7-5-8-3-3-1-2-1-3-4-3-													-1-	-	-	-	-	0.01
16-	45.8836-	114.5281-	2-	07-	0-	L17500-	08/11/79-	7-	26-	10.8-	C-	-	7.6-	17-	11-1-6-5-8-3-3-1-2-1-3-4-3-													-1-	-	-	-	-	0.23
16-	45.8814-	114.5097-	2-	07-	0-	L17501-	08/11/79-	8-	26-	9.4-	C-	-	7.7-	15-	15-1-7-5-8-3-3-1-2-1-3-4-3-													-1-	-	-	-	-	0.54
16-	45.8767-	114.4861-	2-	07-	0-	L17502-	08/11/79-	8-	26-	12.3-	C-	-	7.5-	3-	9-1-7-5-8-2-2-1-2-1-3-4-3-													-9-	-	-	-	-	0.21
16-	45.8817-	114.4600-	2-	07-	0-	L17503-	08/11/79-	9-	27-	10.6-	C-	-	7.5-	4-	12-1-7-5-8-3-3-1-2-1-3-4-3-													-9-	-	-	-	-	0.27
16-	45.8867-	114.4478-	2-	07-	0-	L17504-	08/11/79-	9-	27-	12.7-	C-	-	7.5-	11-	6-1-7-5-8-3-3-1-2-1-3-4-3-													-9-	-	-	-	-	0.42
16-	45.8853-	114.4414-	2-	07-	0-	L17505-	08/11/79-	9-	28-	6.9-	C-	-	7.7-	9-	10-1-7-5-8-2-2-1-2-1-3-5-3-													-9-	-	-	-	-	0.18
16-	45.8856-	114.4400-	2-	07-	0-	L17506-	09/11/79-	10-	28-	10.8-	C-	-	7.5-	3-	12-1-7-5-8-3-3-1-2-1-3-5-3-													-9-	-	-	-	-	0.56
16-	45.8794-	114.5006-	2-	06-	0-	L17508-	08/11/79-	11-	28-	11.4-	C-	-	7.3-	20-	9-1-7-5-8-2-2-1- -1-3-4-3-													-1-	-	-	-	-	0.19
16-	45.8839-	114.6011-	2-	07-	0-	L17509-	08/11/79-	11-	30-	15.9-	C-	-	7.9-	30-	-1-7-4-7-3-3-1-2-1-3-4-3-													-9-	-	-	-	-	0.28
16-	45.8839-	114.6217-	2-	07-	0-	L17510-	08/11/79-	16-	29-	12.4-	C-	-	7.5-	18-	12-1-7-5-8-2-2-1-2-1-3-4-3-													-9-	-	-	-	-	0.26
16-	45.7722-	114.7792-	2-	07-	0-	L17511-	08/13/79-	10-	25-	12.9-	-	-	7.3-	12-	25-2-7-4-8-3-3-1-2-1-3-4-4-													-1-	-	-	-	-	0.62
16-	45.7644-	114.7833-	2-	07-	0-	L17512-	08/13/79-	10-	24-	12.4-	-	-	7.4-	14-	17-2-7-4-7-3-3-1-2-1-3-4-4-													-1-	-	-	-	-	0.65
16-	45.9089-	114.5819-	2-	07-	0-	L17513-	08/11/79-	6-	18-	11.4-	-	-	7.9-	10-	10-2-6-2-1-3-3-1-2-1-4-3-1-													-1-	-	-	-	-	0.44
16-	45.9114-	114.5786-	2-	07-	0-	L17514-	08/11/79-	7-	19-	8.2-	-	-	7.2-	14-	11-2-6-5-6-2-3-1-2-1-3-3-1-													-1-	-	-	-	-	0.26
16-	45.9347-	114.5422-	2-	07-	0-	L17515-	08/11/79-	7-	20-	10.8-	-	-	7.7-	10-	14-2-6-2-6-4-3-1-2-1-4-4-1-													-1-	-	-	-	-	0.23
16-	45.9358-	114.5422-	2-	07-	0-	L17516-	08/11/79-	8-	20-	12.0-	-	-	7.3-	9-	10-2-6-2-1-3-3-1-2-1-4-4-1-													-1-	-	-	-	-	0.67
16-	45.9628-	114.5231-	2-	07-	0-	L17517-	08/11/79-	9-	19-	11.2-	-	-	7.9-	6-	12-2-6-2-1-3-3-1-2-1-4-4-3-													-1-	-	-	-	-	0.71
16-	45.9750-	114.4797-	2-	07-	0-	L17518-	08/11/79-	10-	22-	13.8-	-	-	8.0-	5-	6-2-6-2-7-3-2-1-2-1-3-5-3-													-1-	-	-	-	-	0.56
16-	45.9736-	114.4792-	2-	07-	0-	L17519-	08/11/79-	10-	21-	11.8-	-	-	7.2-	6-	14-2-6-2-1-3-3-1-2-1-4-4-3-													-1-	-	-	-	-	0.43
16-	45.9711-	114.4922-	2-	06-	0-	L17520-	08/11/79-	10-	21-	5.9-	-	-	7.5-	7-	6-2-6-5-8-2-3-1- -1-4-4-3-													-1-	-	-	-	-	0.51
16-	45.9658-	114.5061-	2-	07-	0-	L17522-	08/11/79-	11-	22-	12.6-	-	-	7.6-	8-	10-2-6-3-6-2-3-1-2-1-4-4-3-													-1-	-	-	-	-	0.72
16-	45.9667-	114.5072-	2-	07-	0-	L17523-	08/11/79-	11-	24-	12.8-	-	-	7.3-	7-	14-2-6-3-1-2-3-1-2-1-4-4-2-													-1-	-	-	-	-	0.26
16-	45.9408-	114.5397-	2-	06-	0-	L17524-	08/11/79-	12-	25-	11.2-	-	-	7.6-	7-	6-2-6-5-8-3-3-1- -1-4-4-3-													-1-	-	-	-	-	0.27
16-	45.9169-	114.5731-	2-	07-	0-	L17525-	08/11/79-	13-	26-	12.3-	-	-	7.3-	11-	6-2-6-4-6-2-2-1-2-1-3-4-2-													-1-	-	-	-	-	0.05
16-	45.9156-	114.5708-	2-	07-	0-	L17527-	08/11/79-	15-	28-	15.0-	-	-	7.2-	8-	8-2-6-2-1-3-3-1-2-1-4-4-1-													-1-	-	-	-	-	0.29
16-	45.6067-	114.7111-	2-	06-	0-	L17528-	08/12/79-	12-	26-	7.2-	-	-	7.7-	86-	35-2-6-4-6-2-2-1- -1-2-5-4-													-1-	-	-	-	-	2.72
16-	45.6119-	114.7053-	2-	07-	0-	L17529-	08/12/79-	12-	26-	11.6-	C-	-	7.8-	30-	-2-6-4-6-3-3-1-2-1-2-5-4-													-1-	-	-	-	-	0.51
16-	45.6119-	114.7064-	2-	07-	0-	L17530-	08/12/79-	12-	26-	11.6-	-	-	7.6-	27-	28-2-1-4-6-3-3-1-2-1-2-5-4-													-1-	-	-	-	-	0.33
16-	45.6172-	114.7019-	2-	07-	0-	L17531-	08/12/79-	12-	28-	9.1-	-	-	7.6-	63-	14-2-6-4-6-2-2-1-2-1-3-5-4-													-1-	-	-	-	-	0.68
16-	45.6197-	114.7044-	2-	07-	0-	L17532-	08/12/79-	13-	28-	9.7-	-	-	7.5-	66-	30-2-6-5-8-2-2-1-2-1-2-5-4-													-1-	-	-	-	-	0.63
16-	45.6228-	114.7081-	2-	07-	0-	L17533-	08/12/79-	13-	28-	11.4-	C-	-	7.8-	42-	-2-6-4-6-3-3-1-2-1-3-5-4-													-1-	-	-	-	-	0.07
16-	45.6386-	114.7044-	2-	07-	0-	L17534-	08/12/79-	13-	28-	9.5-	-	-	7.7-	52-	30-2-6-4-6-3-3-1-2-1-3-5-4-													-1-	-	-	-	-	2.74
16-	45.6378-	114.7050-	2-	07-	0-	L17535-	08/12/79-	14-	28-	11.8-	-	-	7.7-	35-	30-2-6-4-6-3-3-1-2-1-3-5-3-													-1-	-	-	-	-	1.27
16-	45.6392-	114.7064-	2-	07-	0-	L17536-	08/12/79-	14-	28-	10.9-	C-	-	7.6-	29-	-2-6-3-6-3-3-1-2-1-3-5-3-													-1-	-	-	-	-	0.64
16-	45.6519-	114.7067-	2-	07-	0-	L17537-	08/12/79-	14-	29-	11.3-	-	-	7.7-	72-	12-2-7-5-8-2-2-1-2-1-3-5-3-													-1-	-	-	-	-	0.58
16-	45.6617-	114.7194-	2-	07-	0-	L17538-	08/12/79-	15-	30-	11.4-	C-	-	7.8-	16-	-2-6-4-6-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.57
16-	45.6664-	114.7217-	2-	07-	0-	L17539-	08/12/79-	16-	30-	12.0-	C-	-	7.7-	13-	-2-6-4-6-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.23
16-	45.6789-	114.7189-	2-	07-	0-	L17540-	08/12/79-	16-	30-	12.5-	C-	-	7.5-	11-	-2-6-4-6-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.43
16-	45.6914-	114.7172-	2-	07-	0-	L17541-	08/12/79-	17-	28-	13.0-	-	-	7.5-	21-	26-2-6-4-6-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.38
16-	45.6953-	114.7153-	2-	07-	0-	L17542-	08/12/79-	17-	28-	12.5-	C-	-	7.4-	28-	-2-6-4-6-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	0.54
16-	45.6758-	114.7825-	2-	06-	0-	L17543-	08/13/79-	10-	25-	5.5-	-	-	8.3-	14-	15-2-6-4-6-2-2-1- -1-4-5-4-													-1-	-	-	-	-	0.43
16-	45.6703-	114.7678-	2-	07-	0-	L17544-	08/13/79-	10-	25-	8.2-	-	-	7.2-	17-	8-2-6-4-6-3-3-1-2-1-4-4-4-													-1-	-	-	-	-	0.39
16-	45.6594-	114.7703-	2-	07-	0-	L17545-	08/13/79-	11-	25-	6.6-	-	-	7.5-	19-	35-2-6-4-6-2-2-1-2-1-5-4-4-													-1-	-	-	-	-	0.56
16-	45.6719-	114.7686-	2-	06-	0-	L17546-	08/12/79-	12-	23-	9.2-	-	-	-	30-	26-2-6-4-6-2-2-1- -1-4-4-4-													-1-	-	-	-	-	0.02
16-	45.7250-	114.7703-	2-	07-	0-	L17547-	08/13/79-	12-	23-	10.9-	C-	-	-	12-	25-2-6-4-6-3-3-1-2-1-5-5-4-													-1-	-	-	-	-	1.27
16-	45.8922-	114.8897-	2-	07-	0-	L17548-	08/12/79-	13-	26-	15.4-	-	-	7.5-	21-	35-2-6-2-1-3-3-1-2-1-4-5-3-													-1-	-	-	-	-	0.48

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						ASL SAMPLE LOCATION NUMBER AND FIELD DATA																							U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	ASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (cU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*f) UNITS IN ppb
16-	45.8931-	114.8906-	2-	07-		0-L17549-	08/12/79-	13-	27-	13.8-	-	-	7.2-	15-	30-	2-	6-	1-	6-	4-	3-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	0.21
16-	45.9014-	114.8850-	2-	07-		0-L17550-	08/12/79-	14-	27-	12.9-	-	-	7.3-	18-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	0.39
16-	45.9050-	114.8797-	2-	07-		0-L17551-	08/12/79-	14-	27-	13.6-	-	-	7.5-	14-	30-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	0.40
16-	45.8789-	114.9011-	2-	07-		0-L17552-	08/12/79-	15-	28-	13.2-	-	-	7.5-	32-	15-	2-	6-	3-	1-	2-	3-	1-	2-	1-	4-	5-	2-	-1-	-	-	-	-	0.21
16-	45.8733-	114.9061-	2-	06-		0-L17553-	08/12/79-	16-	27-	13.7-	-	-	7.5-	135-	15-	2-	6-	5-	8-	2-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	4.91
16-	45.8722-	114.9064-	2-	07-		0-L17554-	08/12/79-	16-	26-	13.0-	-	-	7.7-	30-	25-	2-	6-	2-	1-	2-	2-	1-	2-	1-	4-	5-	2-	-1-	-	-	-	-	0.17
16-	45.8633-	114.9125-	2-	06-		0-L17555-	08/12/79-	16-	26-	12.8-	-	-	7.6-	66-	15-	2-	6-	5-	8-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	3.48
16-	45.8542-	114.9167-	2-	07-		0-L17556-	08/12/79-	16-	26-	16.9-	-	-	7.9-	82-	8-	2-	6-	3-	1-	2-	2-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.65
16-	45.8353-	114.9314-	2-	07-		0-L17557-	08/12/79-	17-	26-	13.3-	-	-	7.8-	22-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.18
16-	45.8553-	114.9281-	2-	07-		0-L17558-	08/12/79-	12-	28-	13.8-	-	-	7.8-	29-	15-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	1.17
16-	45.8550-	114.9356-	2-	07-		0-L17559-	08/12/79-	13-	29-	13.9-	-	-	7.5-	16-	8-	2-	6-	4-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.52
16-	45.8561-	114.9375-	2-	06-		0-L17560-	08/12/79-	14-	29-	15.5-	C-	-	7.7-	101-	3-	2-	7-	-	-2-	3-	1-	-1-	3-	4-	3-	-1-	-	-	-	-	-	-	0.51
16-	45.8556-	114.9403-	2-	07-		0-L17561-	08/12/79-	14-	29-	17.8-	-	-	8.2-	54-	11-	2-	7-	4-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.18
16-	45.8542-	114.9203-	2-	07-		0-L17562-	08/12/79-	15-	28-	16.1-	-	-	8.1-	19-	27-	1-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.35
16-	45.8397-	114.9331-	2-	07-		0-L17563-	08/12/79-	17-	25-	12.7-	-	-	7.9-	71-	6-	2-	6-	5-	8-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.83
16-	45.8281-	114.9619-	2-	07-		0-L17564-	08/12/79-	17-	25-	12.8-	-	-	8.0-	10-	12-	1-	7-	4-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.03
16-	45.8356-	114.9667-	2-	06-		0-L17565-	08/12/79-	17-	26-	12.8-	-	-	7.9-	17-	6-	1-	7-	5-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	0.05
16-	45.8281-	114.9906-	2-	06-		0-L17566-	08/12/79-	18-	24-	9.2-	-	-	8.1-	7-	5-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.7072-	115.0297-	2-	06-		0-L17567-	08/12/79-	18-	25-	9.4-	-	-	7.5-	15-	16-	1-	7-	5-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	0.01
16-	45.6983-	114.9997-	2-	06-		0-L17568-	08/12/79-	19-	23-	11.1-	-	-	8.4-	9-	7-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	-	0.03
16-	45.6817-	114.9453-	2-	06-		0-L17569-	08/12/79-	19-	23-	5.9-	-	-	8.1-	7-	10-	2-	6-	5-	6-	3-	3-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	-	0.03
16-	45.6408-	114.9294-	2-	06-		0-L17570-	08/12/79-	19-	23-	5.1-	-	-	8.3-	6-	8-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	-	0.03
16-	45.6314-	114.8922-	2-	06-		0-L17571-	08/12/79-	19-	19-	6.3-	-	-	7.5-	3-	10-	2-	6-	2-	1-	3-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	1.10
16-	45.6406-	114.8211-	2-	06-		0-L17572-	08/12/79-	20-	18-	6.2-	-	-	8.0-	6-	6-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	-	0.29
16-	45.7258-	114.7714-	2-	07-		0-L17573-	08/13/79-	12-	23-	10.2-	C-	-	-	29-	10-	2-	6-	4-	6-	3-	3-	1-	2-	1-	5-	5-	4-	-1-	-	-	-	-	-	0.14
16-	45.0611-	114.0281-	2-	07-		0-L17574-	08/14/79-	12-	24-	12.2-	C-	-	7.7-	187-	28-	2-	6-	3-	6-	3-	3-	2-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.43
16-	45.1253-	114.1408-	2-	06-		0-L17575-	08/14/79-	13-	25-	19.1-	-	-	8.1-	70-	6-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.1267-	114.1556-	2-	07-		0-L17576-	08/14/79-	13-	25-	13.8-	C-	-	7.9-	37-	6-	2-	6-	5-	8-	3-	3-	2-	1-	1-	3-	4-	1-	-1-	-	-	-	-	-	0.01
16-	45.1494-	114.1722-	2-	07-		0-L17577-	08/14/79-	14-	26-	12.6-	C-	-	7.7-	43-	35-	2-	6-	5-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	0.18
16-	45.5128-	114.0086-	2-	07-		0-L17578-	08/14/79-	11-	27-	9.9-	-	-	5.5-	222-	7-	4-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	2.77
16-	45.5256-	114.0067-	2-	06-		0-L17579-	08/14/79-	11-	27-	14.4-	-	-	6.6-	387-	16-	1-	7-	5-	8-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	0.70
16-	45.5356-	114.0122-	2-	07-		0-L17580-	08/14/79-	12-	27-	13.7-	-	-	6.9-	327-	8-	4-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.34
16-	45.5136-	114.0667-	2-	07-		0-L17581-	08/14/79-	12-	28-	12.9-	-	-	7.3-	98-	12-	2-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.55
16-	45.5347-	114.0575-	2-	07-		0-L17582-	08/14/79-	13-	27-	13.5-	-	-	7.2-	72-	12-	2-	6-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.71
16-	45.4850-	114.0775-	2-	07-		0-L17585-	08/14/79-	13-	26-	10.2-	-	-	7.4-	85-	10-	2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.74
16-	45.4592-	114.1047-	2-	07-		0-L17586-	08/14/79-	14-	26-	10.2-	-	-	7.2-	95-	19-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.77
16-	45.4500-	114.0978-	2-	06-		0-L17587-	08/14/79-	14-	26-	9.8-	-	-	7.5-	27-	15-	2-	6-	5-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	0.01
16-	45.4233-	114.0750-	2-	07-		0-L17588-	08/14/79-	15-	26-	14.2-	-	-	7.0-	143-	13-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	1.85
16-	45.4172-	114.0856-	2-	07-		0-L17589-	08/14/79-	15-	26-	14.2-	-	-	7.3-	132-	5-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	2.33
16-	45.4089-	114.0972-	2-	07-		0-L17590-	08/14/79-	16-	27-	12.6-	-	-	7.4-	89-	10-	2-	6-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	-	1.07
16-	45.4692-	114.5581-	2-	07-		0-L17591-	08/15/79-	11-	25-	8.3-	-	-	5.7-	39-	2-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.41
16-	45.4750-	114.5678-	2-	07-		0-L17592-	09/15/79-	11-	25-	9.8-	-	-	5.8-	37-	11-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.32
16-	45.4722-	114.5694-	2-	06-		0-L17593-	08/15/79-	11-	25-	10.6-	-	-	6.6-	102-	9-	2-	6-	4-	6-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	1.98
16-	45.4633-	114.5772-	2-	07-		0-L17594-	08/15/79-	11-	25-	10.6-	-	-	6.6-	42-	18-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.74
16-	45.4639-	114.5786-	2-	07-		0-L17595-	08/15/79-	11-	25-	10.7-	-	-	6.7-	30-	17-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	-	0.90
16-	45.4606-	114.5828-	2-	07-		0-L17596-	08/15/79-	12-	25-	9.8-	-	-	6.8-	33-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	-	0.64
16-	45.4558-	114.5872-	2-	06-		0-L17597-	08/15/79-	12-	25-	6.6-	-	-	6.7-	39-	24-	2-	6-	5-	8-	2-	2-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	1.35
16-	45.4544-	114.5867-	2-	07-		0-L17598-	08/15/79-	12-	25-	10.4-	-	-	6.9-	23-	9-	2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	0.42
16-	45.4406-	114.5839-	2-	07-		0-L17599-	08/15/79-	13-	26-	12.7-	-	-	6.7-	38-	11-	2-	7-	5-	3-	3-	3-	1-	2-	3-	4-	5-	2-	-1-	-	-	-	-	-	0.95
16-	45.4297-	114.6053-	2-	07-		0-L17600-	08/15/79-	19-	27-	10.7-	-	-	8.1-	30-	9-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	0.76
16-	45.4306-	114.6192-	2-	07-		0-L17601-	08/15/79-	15-	27-	14.2-	-	-	8.0-	25-	10-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	1.29

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																									U CONCENTRATION
							TIME SAMPLED																								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER /	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
16-	45.4308-	114.6208-	2-	07-	0-	L17602-	08/15/79-	15-	27-	12.7-	-	-	7.7-	47-	7-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.55
16-	45.4264-	114.6481-	2-	07-	0-	L17604-	08/15/79-	16-	27-	14.3-	-	-	7.8-	35-	7-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.31
16-	45.4267-	114.6511-	2-	07-	0-	L17605-	08/15/79-	16-	26-	13.0-	-	-	7.8-	25-	10-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	0.35
16-	45.4222-	114.6750-	2-	07-	0-	L17606-	08/15/79-	17-	27-	12.9-	-	-	7.8-	51-	9-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	1.14
16-	45.4203-	114.6900-	2-	07-	0-	L17607-	08/15/79-	17-	27-	12.2-	-	-	7.7-	53-	10-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.27
16-	45.4186-	114.6922-	2-	07-	0-	L17609-	08/15/79-	17-	26-	15.8-	-	-	7.6-	39-	13-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.18
16-	45.4078-	114.7189-	2-	07-	0-	L17610-	08/15/79-	18-	26-	17.2-	-	-	7.6-	41-	9-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.41
16-	45.4083-	114.7194-	2-	07-	0-	L17611-	08/15/79-	18-	26-	14.7-	-	-	7.6-	33-	10-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.22
16-	45.6483-	114.6094-	2-	06-	0-	L17613-	08/13/79-	11-	6-	4.2-	C-	-	8.4-	7-	30-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	5-	5-	-1-	-	-	-	-	0.01
16-	45.6667-	114.6514-	2-	07-	0-	L17614-	08/13/79-	11-	10-	7.8-	-	-	7.5-	20-	26-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	0.21
16-	45.6672-	114.6514-	2-	07-	0-	L17615-	08/13/79-	11-	10-	9.3-	-	-	7.4-	22-	32-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	0.21
16-	45.6714-	114.6328-	2-	06-	0-	L17616-	08/13/79-	11-	10-	7.3-	-	-	7.5-	37-	16-	2-	6-	3-	6-	2-	3-	1-	-1-	3-	5-	4-	-1-	-	-	-	-	-	0.06
16-	45.6711-	114.6294-	2-	07-	0-	L17617-	08/13/79-	12-	11-	6.3-	-	-	7.5-	31-	32-	2-	6-	5-	6-	3-	3-	1-	2-	1-	4-	5-	4-	-1-	-	-	-	-	0.42
16-	45.6711-	114.6228-	2-	07-	0-	L17618-	08/13/79-	12-	11-	9.0-	-	-	7.5-	30-	9-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	0.01
16-	45.6719-	114.6225-	2-	07-	0-	L17619-	08/13/79-	12-	10-	8.4-	-	-	7.6-	21-	14-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	0.08
16-	45.4294-	114.1611-	2-	07-	0-	L17629-	08/14/79-	13-	35-	14.7-	-	-	7.7-	125-	12-	2-	6-	5-	8-	2-	2-	1-	2-	4-	3-	5-	1-	-3-	-	-	-	-	0.40
16-	45.4528-	114.1494-	2-	07-	0-	L17630-	08/14/79-	14-	35-	7.4-	-	-	8.0-	121-	18-	2-	6-	4-	6-	2-	2-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	2.12
16-	45.4772-	114.1389-	2-	07-	0-	L17632-	08/14/79-	14-	35-	6.9-	-	-	8.1-	62-	10-	2-	6-	5-	6-	2-	2-	1-	2-	2-	2-	5-	1-	-1-	-	-	-	-	1.45
16-	45.0197-	114.4486-	2-	07-	0-	L17635-	08/16/79-	12-	32-	8.8-	-	-	7.5-	55-	12-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.21
16-	45.0878-	114.4661-	2-	06-	0-	L17637-	08/16/79-	13-	30-	10.4-	-	-	7.5-	57-	22-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	5-	2-	-1-	-	-	-	-	-	0.70
16-	45.0936-	114.4897-	2-	06-	0-	L17638-	08/16/79-	13-	30-	7.1-	-	-	7.8-	9-	45-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	-	0.35
16-	45.1044-	114.5247-	2-	06-	0-	L17639-	08/16/79-	13-	30-	10.2-	-	-	7.7-	9-	20-	2-	1-	5-	3-	2-	2-	1-	-1-	2-	5-	2-	-1-	-	-	-	-	-	0.16
16-	45.0856-	114.5336-	2-	07-	0-	L17640-	08/16/79-	14-	30-	11.7-	-	-	7.5-	4-	66-	2-	1-	4-	6-	2-	2-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.09
16-	45.0772-	114.5414-	2-	06-	0-	L17641-	08/16/79-	14-	28-	7.1-	-	-	7.4-	6-	25-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	5-	3-	-1-	-	-	-	-	-	0.02
16-	45.0481-	114.5678-	2-	07-	0-	L17642-	08/16/79-	15-	28-	9.5-	-	-	8.1-	8-	40-	2-	7-	4-	6-	2-	2-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	0.19
16-	45.0503-	114.5506-	2-	06-	0-	L17643-	08/16/79-	16-	28-	10.6-	-	-	6.9-	15-	35-	2-	1-	5-	6-	2-	2-	1-	-1-	4-	5-	4-	-1-	-	-	-	-	-	0.86
16-	45.0583-	114.2772-	2-	06-	0-	L17645-	08/16/79-	17-	25-	7.4-	-	-	7.1-	135-	20-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	4-	4-	-1-	-	-	-	-	-	0.74
16-	45.3394-	114.3364-	2-	07-	0-	L17646-	08/17/79-	10-	27-	11.8-	-	-	7.9-	237-	10-	2-	6-	2-	6-	3-	2-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	28.88
16-	45.1094-	114.2219-	2-	06-	0-	L17650-	08/14/79-	15-	27-	9.7-	-	-	7.8-	132-	12-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	4-	3-	-1-	-	-	-	-	-	1.31
16-	45.4400-	114.5833-	2-	07-	0-	L17658-	08/15/79-	14-	29-	10.7-	-	-	6.9-	27-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	0.65
16-	45.4336-	114.5722-	2-	07-	0-	L17659-	08/15/79-	14-	29-	8.5-	-	-	6.9-	33-	41-	2-	6-	2-	6-	2-	2-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	0.70
16-	45.4306-	114.5655-	2-	07-	0-	L17661-	08/15/79-	15-	30-	11.1-	-	-	7.0-	23-	21-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.24
16-	45.4292-	114.5669-	2-	07-	0-	L17662-	08/15/79-	15-	30-	10.7-	-	-	7.0-	32-	13-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.41
16-	45.4886-	114.5350-	2-	07-	0-	L17665-	08/15/79-	12-	24-	11.4-	-	-	7.8-	117-	20-	2-	6-	3-	6-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	3.47
16-	45.3269-	114.6469-	2-	07-	0-	L17666-	08/15/79-	19-	24-	15.3-	-	-	8.2-	212-	9-	2-	6-	1-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	3.88
16-	45.3358-	114.6589-	2-	07-	0-	L17667-	08/15/79-	19-	24-	11.9-	-	-	8.4-	120-	15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	1.27
16-	45.3686-	114.6839-	2-	07-	0-	L17670-	08/15/79-	19-	24-	12.5-	-	-	8.3-	89-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	0.14
16-	45.5028-	114.5436-	2-	07-	0-	L17671-	08/15/79-	10-	22-	9.9-	-	-	8.2-	76-	20-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.38
16-	45.5028-	114.5425-	2-	07-	0-	L17672-	08/15/79-	10-	22-	9.4-	-	-	7.7-	79-	30-	2-	6-	3-	1-	4-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	0.40
16-	45.4825-	114.5497-	2-	07-	0-	L17673-	08/15/79-	11-	22-	11.6-	-	-	7.7-	82-	40-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	1.31
16-	45.4825-	114.5483-	2-	07-	0-	L17674-	08/15/79-	11-	24-	13.0-	-	-	7.7-	94-	35-	2-	6-	5-	8-	3-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	1.08
16-	45.4847-	114.5453-	2-	07-	0-	L17675-	08/15/79-	12-	24-	9.1-	-	-	7.8-	77-	28-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	1.54
16-	45.4867-	114.5164-	2-	07-	0-	L17676-	08/15/79-	12-	24-	9.3-	-	-	7.8-	101-	30-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	4-	-1-	-	-	-	-	2.65
16-	45.4858-	114.5136-	2-	07-	0-	L17677-	08/15/79-	12-	24-	11.6-	-	-	7.9-	89-	30-	2-	6-	5-	8-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	1.52
16-	45.5517-	114.4653-	2-	06-	0-	L17679-	08/15/79-	13-	25-	8.9-	-	-	8.0-	68-	25-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	4-	3-	-1-	-	-	-	-	-	0.54
16-	45.4722-	114.3944-	2-	06-	0-	L17679-	08/15/79-	14-	24-	6.1-	-	-	8.1-	62-	14-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	5-	3-	-1-	-	-	-	-	-	0.56
16-	45.4014-	114.5414-	2-	06-	0-	L17680-	08/15/79-	14-	23-	10.2-	-	-	7.4-	83-	4-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	4-	2-	-1-	-	-	-	-	-	0.38
16-	45.3925-	114.5542-	2-	06-	0-	L17681-	08/15/79-	17-	23-	6.1-	-	-	8.2-	68-	11-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	11.45
16-	45.3511-	114.5292-	2-	06-	0-	L17682-	08/15/79-	18-	23-	10.8-	-	-	7.4-	108-	19-	2-	6-	5-	8-	3-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	1.37
16-	45.3522-	114.5347-	2-	07-	0-	L17683-	08/15/79-	18-	24-	12.1-	-	-	7.7-	176-	12-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	1.56
16-	45.2994-	114.5953-	2-	08-	0-	L17685-	08/15/79-	18-	24-	13.3-	-	-	7.8-	201-	16-	2-	6-	-	-	3-	3-	1-	-3-	3-	5-	1-	-1-	4-	-	-	-	-	3.47

APPENDIX I-A. (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
16-	45.3103-	114.6247-	2-	07-		C-L17687-	08/15/79-	19-	24-	13.6-	-	-	7.7-	296-	11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	7.17
16-	45.0186-	114.3589-	2-	07-		C-L17688-	08/16/79-	11-	32-	7.7-	-	-	7.2-	71-	35-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.24
16-	45.0403-	114.4278-	2-	06-		C-L17689-	08/16/79-	12-	32-	9.6-	-	-	7.4-	83-	14-	2-	6-	4-	6-	2-	2-	1-	-1-	3-	5-	2-	-1-	-1-	-	-	-	-	0.31
16-	45.0378-	114.4361-	2-	06-		C-L17690-	08/16/79-	12-	32-	8.8-	-	-	7.6-	63-	22-	2-	6-	5-	6-	2-	2-	1-	-1-	3-	5-	2-	-1-	-1-	-	-	-	-	0.54
16-	45.2303-	114.4350-	2-	07-		C-L17691-	08/16/79-	14-	23-	10.2-	-	-	8.0-	195-	14-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	8.20
16-	45.2300-	114.4383-	2-	07-		C-L17692-	08/16/79-	13-	24-	11.1-	-	-	8.1-	83-	20-	2-	7-	2-	7-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	1.32
16-	45.2350-	114.4278-	2-	06-		C-L17693-	08/16/79-	14-	20-	9.8-	-	-	7.9-	130-	38-	2-	6-	5-	8-	3-	3-	1-	-1-	3-	4-	4-	-1-	-1-	-	-	-	-	1.53
16-	45.2356-	114.4269-	2-	07-		C-L17694-	08/16/79-	14-	21-	9.9-	-	-	7.9-	119-	20-	2-	7-	3-	6-	3-	3-	1-	2-	1-	4-	4-	4-	-1-	-	-	-	-	1.34
16-	45.2589-	114.3961-	2-	07-		C-L17697-	08/16/79-	16-	22-	11.9-	-	-	8.1-	170-	30-	2-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	19.76
16-	45.2647-	114.3819-	2-	07-		C-L17701-	08/16/79-	18-	22-	14.9-	-	-	8.3-	89-	22-	2-	7-	1-	7-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	2.40
16-	45.2978-	114.3558-	2-	07-		C-L17702-	08/16/79-	19-	20-	22.8-	-	-	9.4-	1016-	35-	2-	6-	5-	6-	3-	3-	1-	2-	3-	3-	5-	3-	-1-	-	-	-	-	1.01
16-	45.3664-	114.2958-	2-	07-		C-L17707-	08/17/79-	11-	28-	15.1-	C-	-	7.8-	368-	12-	2-	6-	2-	6-	3-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	36.43
16-	45.4639-	114.3769-	2-	07-		C-L17713-	08/17/79-	11-	26-	7.7-	-	-	7.9-	13-	19-	2-	1-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.40
16-	45.4533-	114.3911-	2-	07-		C-L17714-	08/17/79-	12-	26-	7.7-	-	-	7.5-	23-	8-	2-	6-	5-	8-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	0.43
16-	45.4525-	114.3947-	2-	07-		C-L17715-	08/17/79-	12-	26-	8.4-	-	-	7.2-	17-	13-	2-	6-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	1.09
16-	45.4450-	114.3933-	2-	07-		C-L17716-	08/17/79-	13-	26-	10.7-	-	-	7.1-	18-	9-	2-	6-	4-	8-	3-	3-	1-	2-	1-	3-	2-	4-	-1-	-	-	-	-	1.42
16-	45.4444-	114.3897-	2-	07-		C-L17717-	08/17/79-	13-	26-	10.9-	-	-	6.9-	25-	7-	2-	6-	4-	8-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.54
16-	45.4428-	114.3989-	2-	07-		C-L17718-	08/17/79-	13-	26-	10.7-	-	-	7.2-	19-	-2-	6-	4-	8-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	0.64
16-	45.4314-	114.4092-	2-	07-		C-L17719-	08/17/79-	14-	26-	12.3-	-	-	7.1-	26-	13-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.48
16-	45.4328-	114.4114-	2-	07-		C-L17720-	08/17/79-	14-	26-	12.2-	-	-	7.2-	19-	12-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.93
16-	45.4339-	114.4033-	2-	07-		C-L17721-	08/17/79-	15-	26-	10.7-	-	-	7.1-	26-	9-	2-	6-	4-	8-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.38
16-	45.4242-	114.4272-	2-	07-		C-L17722-	08/17/79-	15-	26-	13.7-	-	-	7.1-	30-	6-	2-	6-	5-	8-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	1.24
16-	45.4222-	114.4292-	2-	07-		C-L17723-	08/17/79-	15-	27-	11.9-	-	-	6.5-	20-	31-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	1.00
16-	45.4219-	114.4258-	2-	07-		C-L17724-	08/17/79-	16-	26-	8.7-	-	-	7.4-	17-	11-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	0.38
16-	45.4594-	114.3844-	2-	07-		C-L17725-	08/17/79-	16-	26-	12.1-	-	-	7.6-	15-	18-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	0.58
16-	45.5575-	114.5033-	2-	06-		C-L17726-	08/17/79-	17-	25-	6.8-	-	-	7.3-	11-	23-	2-	7-	5-	8-	2-	-1-	-1-	3-	4-	3-	-1-	-	-	-	-	-	-	0.05
16-	45.5683-	114.5239-	2-	06-		C-L17727-	08/17/79-	18-	25-	10.8-	-	-	6.9-	6-	13-	2-	6-	5-	6-	2-	2-	1-	-1-	3-	4-	3-	-1-	-	-	-	-	-	0.06
16-	45.5575-	114.5194-	2-	06-		C-L17728-	08/17/79-	18-	25-	8.4-	-	-	6.8-	7-	10-	2-	7-	5-	8-	2-	2-	1-	-1-	3-	4-	3-	-1-	-	-	-	-	-	0.15
16-	45.3053-	114.6194-	2-	07-		C-L17729-	08/19/79-	10-	22-	11.5-	C-	-	8.2-	139-	-2-	6-	2-	7-	3-	3-	1-	2-	3-	3-	5-	3-	-1-	-	-	-	-	-	2.26
16-	45.3181-	114.6369-	2-	07-		C-L17730-	08/19/79-	11-	22-	8.6-	C-	-	8.3-	136-	-2-	6-	1-	6-	3-	3-	1-	2-	3-	3-	5-	3-	-1-	-	-	-	-	-	3.53
16-	45.3244-	114.6458-	2-	07-		C-L17731-	08/19/79-	11-	22-	11.9-	C-	-	8.4-	79-	-2-	6-	2-	6-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	0.16
16-	45.3381-	114.6631-	2-	07-		C-L17732-	08/19/79-	12-	28-	11.1-	C-	-	7.9-	151-	-2-	7-	1-	7-	2-	2-	1-	2-	2-	2-	5-	2-	-1-	-	-	-	-	-	1.13
16-	45.4192-	114.2933-	2-	07-		C-L17733-	08/17/79-	12-	30-	11.9-	-	-	7.9-	55-	22-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	1.45
16-	45.4297-	114.2864-	2-	06-		C-L17734-	08/17/79-	12-	30-	17.5-	-	-	8.1-	299-	28-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	27.91
16-	45.3489-	114.6742-	2-	07-		C-L17735-	08/19/79-	12-	28-	7.5-	C-	-	8.2-	139-	-2-	7-	4-	6-	2-	2-	1-	2-	2-	2-	5-	2-	-1-	-	-	-	-	-	2.56
16-	45.3661-	114.6847-	2-	07-		C-L17736-	08/19/79-	13-	30-	12.8-	C-	-	8.1-	97-	-2-	7-	4-	6-	2-	2-	1-	2-	2-	2-	5-	1-	-1-	-	-	-	-	-	0.32
16-	45.3678-	114.6861-	2-	06-		C-L17737-	08/19/79-	13-	30-	11.3-	C-	-	8.1-	93-	-2-	7-	4-	6-	2-	2-	1-	-2-	2-	4-	2-	-1-	-	-	-	-	-	-	0.26
16-	45.9953-	114.8392-	2-	07-		D-L17740-	09/10/79-	19-	23-		-C-	-	-	-	-2-	6-	4-	6-	3-	3-	1-	2-	2-	2-	3-	4-	-1-	-	-	-	-	-	0.23
16-	45.9122-	114.8381-	2-	07-		D-L17741-	09/11/79-	11-	30-		-C-	-	-	-	-2-	6-	5-	8-	2-	2-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	0.01
16-	45.9117-	114.8461-	2-	07-		D-L17742-	09/11/79-	11-	30-		-C-	-	-	-	-2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	-	0.51
16-	45.9075-	114.8514-	2-	07-		D-L17743-	09/11/79-	12-	32-		-C-	-	-	-	-2-	7-	4-	6-	3-	3-	1-	2-	1-	2-	4-	1-	-1-	-	-	-	-	-	0.37
16-	45.9058-	114.8605-	2-	07-		D-L17744-	09/11/79-	13-	32-		-C-	-	-	-	-2-	7-	4-	1-	3-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	-	0.22
16-	45.9169-	114.8275-	2-	07-		D-L17745-	09/11/79-	14-	32-		-C-	-	-	-	-2-	6-	5-	6-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	-	0.77
16-	45.9194-	114.8236-	2-	07-		D-L17747-	09/11/79-	14-	32-		-C-	-	-	-	-2-	7-	5-	6-	3-	3-	1-	2-	2-	2-	5-	2-	-1-	-	-	-	-	-	0.49
16-	45.9233-	114.8233-	2-	07-		D-L17748-	09/11/79-	15-	30-		-C-	-	-	-	-2-	6-	5-	6-	2-	2-	1-	2-	2-	3-	5-	2-	-1-	-	-	-	-	-	0.64
16-	45.9394-	114.8319-	2-	07-		D-L17750-	09/11/79-	16-	32-		-C-	-	-	-	-2-	6-	5-	6-	2-	2-	1-	-2-	2-	3-	4-	1-	-1-	-	-	-	-	-	0.28
16-	45.9617-	114.8303-	2-	07-		D-L17751-	09/11/79-	17-	30-		-C-	-	-	-	-2-	7-	4-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	0.24
16-	45.9786-	114.8369-	2-	07-		D-L17752-	09/11/79-	18-	30-		-C-	-	-	-	-2-	7-	4-	1-	2-	2-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	0.18
16-	45.9806-	114.8406-	2-	07-		D-L17753-	09/11/79-	18-	30-		-C-	-	-	-	-2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	-	0.18
16-	45.9833-	114.8400-	2-	07-		D-L17754-	09/11/79-	18-	30-		-C-	-	-	-	-2-	6-	5-	6-	2-	2-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	-	0.86

APPENDIX I-B

Listings of Field Data and Elemental Concentrations
for Sediment Samples from the Elk City Quadrangle, Idaho/Montana
(Pages 42 through 177)

Note that four pages, numbered ① through ④ in the upper right hand corner, are necessary to provide the complete data listing for each numerically ordered sequence of samples.

① - Lists field data and uranium concentrations determined by delayed-neutron counting.
② - Lists concentrations of 14 elements determined by x-ray fluorescence and arc-source emission spectrography.
③ and ④ - List concentrations of 31 elements determined by neutron activation analysis and computed U/Th ratios.

(See Appendix II-B for Code to Listings)

APPENDIX I-B. Elemental Concentrations for Sediment Samples

①

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU,ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
30-	45.6044-	114.2472-	2-	15-		0-L16001-	08/03/76-	11-	21-	-	-	-	-	-		19-	2-	1-	5-	6-	-1-	-	-	-4-	3-	2-	-1-	-	-	-	-	20.70
30-	45.6128-	114.2197-	2-	12-		0-L16003-	08/03/76-	12-	18-	0.9-	-	-	6.1-	120-		22-	2-	7-	5-	6-	4-	3-	1-	2-	2-	4-	3-	2-	-1-	-	-	-	-	206.80
30-	45.6106-	114.2100-	2-	12-		0-L16004-	08/03/76-	12-	15-	10.2-	-	-	5.9-	60-		11-	2-	7-	5-	6-	4-	4-	1-	2-	4-	3-	3-	2-	-1-	-	-	-	-	10.90
30-	45.6111-	114.2097-	2-	12-		0-L16005-	08/03/76-	12-	15-	10.2-	-	-	5.9-	50-		27-	2-	6-	4-	5-	4-	4-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	7.40
30-	45.5975-	114.1694-	2-	12-		0-L16006-	08/03/76-	13-	18-	10.2-	-	-	6.1-	50-		16-	2-	7-	3-	6-	4-	3-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	10.40
30-	45.5708-	114.1758-	2-	12-		0-L16007-	08/03/76-	13-	12-	0.9-	-	-	5.7-	40-		11-	2-	1-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	10.50
30-	45.5564-	114.1922-	2-	12-		0-L16008-	08/03/76-	13-	14-	0.9-	-	-	5.7-	30-		16-	2-	7-	3-	6-	4-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	7.30
30-	45.6100-	114.1844-	2-	15-		0-L16009-	08/03/76-	14-	18-	-	-	-	-	-		11-	2-	7-	5-	6-	-1-	-	-4-	3-	3-	2-	-1-	-	-	-	-	10.10
30-	45.6556-	114.1867-	2-	12-		0-L16010-	08/03/76-	16-	19-	10.2-	-	-	5.9-	80-		16-	2-	3-	4-	6-	4-	3-	1-	2-	2-	3-	4-	4-	-1-	-	-	-	-	4.90
30-	45.6567-	114.2023-	2-	12-		0-L16011-	08/03/76-	16-	18-	10.1-	-	-	6.1-	120-		16-	2-	5-	3-	6-	4-	3-	1-	2-	2-	4-	4-	4-	-1-	-	-	-	-	26.20
30-	45.6542-	114.2039-	2-	12-		0-L16012-	08/03/76-	16-	17-	10.2-	-	-	5.7-	50-		5-	2-	5-	4-	6-	4-	3-	1-	2-	2-	3-	3-	4-	-1-	-	-	-	-	25.10
30-	45.7042-	114.2469-	2-	12-		0-L16013-	08/03/76-	17-	18-	10.1-	-	-	5.9-	70-		16-	2-	7-	3-	6-	4-	3-	1-	2-	2-	4-	3-	2-	-1-	-	-	-	-	42.50
30-	45.8833-	114.2125-	2-	12-		0-L16014-	08/04/76-	9-	13-	10.1-	-	-	5.5-	15-		22-	3-	1-	4-	6-	4-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	5.30
30-	45.9200-	114.2097-	2-	12-		0-L16015-	08/04/76-	10-	13-	8.9-	-	-	5.5-	14-		16-	2-	7-	6-	6-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	3.90
30-	45.9350-	114.1467-	2-	12-		0-L16016-	08/04/76-	11-	19-	10.5-	-	-	6.6-	320-		22-	2-	1-	4-	6-	3-	3-	1-	2-	4-	3-	3-	1-	-3-	-	-	-	-	2.60
30-	45.9550-	114.1828-	2-	12-		0-L16017-	08/04/76-	11-	18-	10.2-	-	-	5.5-	20-		16-	2-	1-	4-	6-	4-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	5.60
30-	45.9561-	114.2089-	2-	12-		0-L16018-	08/04/76-	12-	18-	8.9-	-	-	5.7-	15-		16-	2-	1-	4-	6-	4-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	37.40
30-	45.9864-	114.1769-	2-	12-		0-L16019-	08/04/76-	12-	19-	10.5-	-	-	6.3-	110-		11-	2-	1-	4-	6-	3-	3-	1-	2-	4-	3-	4-	1-	-3-	-	-	-	-	13.80
30-	45.9750-	114.0633-	2-	12-		0-L16020-	08/04/76-	13-	19-	10.2-	-	-	6.3-	260-		16-	2-	1-	4-	6-	3-	3-	1-	2-	4-	2-	4-	2-	-1-	-	-	-	-	21.40
30-	45.9778-	114.0417-	2-	12-		0-L16021-	08/04/76-	13-	19-	10.1-	-	-	6.5-	300-		16-	2-	1-	4-	6-	3-	3-	1-	2-	4-	2-	4-	2-	-1-	-	-	-	-	7.30
30-	45.9789-	114.0369-	2-	12-		0-L16022-	08/04/76-	13-	19-	10.4-	-	-	6.5-	110-		16-	2-	1-	4-	6-	3-	3-	1-	2-	2-	3-	3-	2-	-3-	-	-	-	-	23.10
30-	45.9783-	114.0265-	2-	12-		0-L16023-	08/04/76-	13-	19-	10.2-	-	-	6.5-	180-		11-	2-	1-	4-	6-	4-	3-	1-	2-	2-	3-	4-	2-	-3-	-	-	-	-	28.00
30-	45.9681-	114.1022-	2-	12-		0-L16024-	08/04/76-	16-	18-	10.4-	-	-	6.5-	200-		22-	2-	1-	4-	6-	3-	3-	1-	2-	4-	3-	3-	1-	-3-	-	-	-	-	8.20
30-	45.8967-	114.0742-	2-	15-		0-L16025-	08/04/76-	16-	27-	-	-	-	-	-		16-	2-	1-	4-	6-	-1-	-	-2-	3-	4-	2-	-1-	-	-	-	-	10.10
30-	45.9019-	114.0922-	2-	12-		0-L16026-	08/04/76-	18-	27-	10.3-	-	-	5.9-	60-		22-	2-	1-	4-	6-	4-	3-	1-	2-	2-	3-	3-	2-	-3-	-	-	-	-	8.60
30-	45.9081-	114.0814-	2-	12-		0-L16027-	08/04/76-	18-	25-	10.1-	-	-	5.5-	70-		22-	1-	7-	4-	6-	3-	3-	1-	2-	4-	3-	3-	2-	-3-	-	-	-	-	5.50
30-	45.9217-	114.1064-	2-	12-		0-L16028-	08/04/76-	18-	25-	10.2-	-	-	6.5-	300-		16-	2-	7-	4-	6-	3-	3-	1-	2-	4-	3-	4-	2-	-3-	-	-	-	-	9.10
30-	45.9097-	114.1106-	2-	12-		0-L16029-	08/04/76-	17-	21-	10.1-	-	-	5.6-	70-		0-	2-	1-	3-	6-	3-	3-	1-	2-	2-	3-	4-	2-	-3-	-	-	-	-	15.20
30-	45.8883-	114.1894-	2-	12-		0-L16030-	08/04/76-	18-	19-	9.9-	-	-	5.7-	60-		27-	2-	7-	4-	6-	4-	3-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	7.80
30-	45.9022-	114.1889-	2-	12-		0-L16031-	08/05/76-	10-	18-	9.5-	-	-	6.1-	270-		5-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	3-	1-	-8-	-	-	-	-	7.80
30-	45.9011-	114.1894-	2-	12-		0-L16032-	08/05/76-	10-	18-	10.1-	-	-	5.5-	15-		16-	2-	1-	4-	6-	4-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	8.20
30-	45.9998-	114.1672-	2-	12-		0-L16033-	08/05/76-	11-	19-	9.5-	0-	-	5.7-	24-		22-	3-	1-	4-	5-	4-	3-	1-	2-	4-	3-	3-	1-	-3-	-	-	-	-	5.90
30-	45.8319-	114.2569-	2-	12-		0-L16034-	08/03/76-	11-	19-	10.5-	-	-	5.5-	11-		19-	3-	4-	4-	6-	3-	3-	1-	1-	1-	4-	4-	2-	-8-	-	-	-	-	9.50
30-	45.8536-	114.2903-	2-	12-		0-L16035-	08/03/76-	12-	19-	9.5-	-	-	5.5-	11-		8-	3-	4-	4-	6-	4-	4-	1-	1-	1-	4-	5-	2-	-1-	-	-	-	-	5.40
30-	45.8628-	114.3147-	2-	12-		0-L16036-	08/03/76-	13-	20-	9.5-	-	-	5.5-	11-		11-	3-	4-	4-	6-	4-	4-	1-	1-	3-	4-	5-	2-	-1-	-	-	-	-	10.40
30-	45.8117-	114.2583-	2-	12-		0-L16037-	08/03/76-	15-	22-	15.0-	-	-	5.2-	27-		11-	3-	4-	4-	6-	1-	3-	3-	1-	3-	3-	4-	2-	-8-	-	-	-	-	17.60
30-	45.8000-	114.2956-	2-	12-		0-L16038-	08/03/76-	15-	23-	8.5-	-	-	5.2-	13-		11-	3-	4-	4-	6-	4-	4-	1-	1-	3-	4-	3-	2-	-8-	-	-	-	-	8.90
30-	45.7839-	114.3275-	2-	12-		0-L16039-	08/03/76-	15-	22-	13.5-	-	-	5.5-	24-		5-	3-	4-	4-	6-	3-	3-	1-	1-	1-	4-	3-	2-	-8-	-	-	-	-	7.30
30-	45.7875-	114.3647-	2-	12-		0-L16040-	08/03/76-	15-	22-	10.5-	-	-	5.5-	21-		27-	3-	4-	4-	6-	3-	3-	1-	1-	3-	3-	3-	4-	-8-	-	-	-	-	6.80
30-	45.8144-	114.3833-	2-	12-		0-L16041-	08/03/76-	17-	22-	10.5-	-	-	5.5-	16-		38-	3-	4-	4-	6-	4-	4-	1-	1-	3-	4-	5-	4-	-8-	-	-	-	-	8.90
30-	45.7878-	114.3653-	2-	12-		0-L16042-	08/03/76-	17-	20-	13.5-	-	-	5.7-	42-		25-	3-	4-	4-	5-	4-	4-	1-	1-	3-	4-	3-	4-	-8-	-	-	-	-	16.00
30-	45.7717-	114.3292-	2-	12-		0-L16043-	08/03/76-	17-	20-	10.5-	-	-	5.7-	70-		13-	3-	4-	4-	6-	2-	2-	1-	1-	3-	4-	3-	4-	-1-	-	-	-	-	25.90
30-	45.7506-	114.3853-	2-	12-		0-L16044-	08/03/76-	18-	20-	12.5-	-	-	5.9-	80-		27-	3-	4-	4-	6-	3-	3-	1-	1-	3-	4-	3-	4-	-1-	-	-	-	-	19.00
30-	45.7522-	114.4133-	2-	12-		0-L16045-	08/03/76-	19-	20-	13.0-	-	-	5.5-	35-		22-	3-	4-	4-	6-	4-	4-	1-	1-	1-	4-	3-	4-	-8-	-	-	-	-	9.40
30-	45.7636-	114.4336-	2-	12-		0-L16046-	08/03/76-	19-	19-	11.5-	-	-	5.5-	34-		8-	3-	4-	4-	4-	3-	3-	1-	1-	1-	4-	3-	4-	-8-	-	-	-	-	6.90
30-	45.7936-	114.2633-	2-	12-		0-L16047-	08/03/76-	19-	19-	11.5-	-	-	5.5-	60-		36-	3-	4-	4-	4-	2-	2-	1-	1-	3-	4-	3-	2-	-8-	-	-	-	-	32.00
30-	45.7833-	114.2650-	2-	12-		0-L16048-	08/03/76-	19-	20-	13.0-	-	-	5.7-	70-		27-	3-	4-	4-	4-	3-	3-	1-	1-	3-	3-	2-	2-	-8-	-	-	-	-	43.60
30-	45.7672-	114.2744-	2-	12-		0-L16049-	08/03/76-	19-	19-	10.0-	-	-	5.2-	33-		27-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	2-	2-	-8-	-	-	-	-	24.60
30-	45.7575-	114.2828-	2-	12-		0-L16050-	08/03/76-	19-	19-	12.0-	-	-	5.7-	60-		33-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	3-	2-	-1-	-	-	-	-	46.50
30-	45.7467-	114.4433-	2-	12-		0-L16051-	08/04/76-	9-	18-	7.5-	-	-	5.5-	47-		36-	3-	4-	4-	4-	4-	4-	1-	1-	1-	4-	3-	1-	-8-	-	-	-	-	5.40
30-	45.7450-	114.4436-	2-	12-		0-L16052-	08/04/76-	9-	17-	9.0-	-	-	5.5-	55-		27-	3-	4-	4-	4-	4-	4-	1-	1-	1-	4-	3-	1-	-8-	-	-	-	-	13.50

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
30-	45.6044-	114.2472-	2-	15-		0-L16001	-5	-5	-5	19	-20	-15	-5	-10	-15	11	-5	374	3	46
30-	45.6128-	114.2197-	2-	12-		0-L16003	-5	5	-5	25	-20	-15	12	-10	-15	9	-5	127	4	45
30-	45.6106-	114.2100-	2-	12-		0-L16004	-5	5	-5	-10	-20	-15	-5	-10	-15	9	-5	887	3	41
30-	45.6111-	114.2097-	2-	12-		0-L16005	-5	-5	-5	11	-20	-15	-5	-10	-15	8	-5	976	3	42
30-	45.5975-	114.1894-	2-	12-		0-L16006	-5	-5	-5	11	-20	-15	-5	-10	-15	9	-5	986	3	40
30-	45.5708-	114.1758-	2-	12-		0-L16007	-5	6	-5	18	-20	17	-5	-10	-15	6	-5	376	3	31
30-	45.5564-	114.1922-	2-	12-		0-L16008	-5	-5	-5	11	-20	-15	6	-10	-15	5	-5	568	3	25
30-	45.6100-	114.1844-	2-	15-		0-L16009	-5	17	-5	16	-20	19	6	14	-15	7	-5	523	2	49
30-	45.6556-	114.1867-	2-	12-		0-L16010	-5	7	-5	19	-20	-15	7	-10	-15	10	-5	305	3	35
30-	45.6567-	114.2028-	2-	12-		0-L16011	-5	-5	-5	30	-20	21	15	20	-15	-5	-5	296	5	72
30-	45.6542-	114.2039-	2-	12-		0-L16012	-5	7	-5	40	-20	-15	34	-10	-15	-5	-5	360	6	93
30-	45.7042-	114.2469-	2-	12-		0-L16013	-5	9	-5	54	-20	-15	40	-10	-15	-5	-5	592	7	86
30-	45.8838-	114.2125-	2-	12-		0-L16014	-5	-5	-5	37	-20	-15	27	15	-15	-5	-5	314	2	27
30-	45.9200-	114.2097-	2-	12-		0-L16015	-5	-5	-5	15	-20	-15	10	-10	-15	-5	-5	255	2	28
30-	45.9350-	114.1467-	2-	12-		0-L16016	-5	-5	-5	16	-20	-15	9	-10	-15	-5	-5	300	3	35
30-	45.9550-	114.1628-	2-	12-		0-L16017	-5	6	-5	15	-20	-15	16	-10	-15	14	-5	260	3	30
30-	45.9561-	114.2089-	2-	12-		0-L16018	5	16	-5	-10	26	-15	-5	-10	16	18	-5	2440	10	110
30-	45.9864-	114.1769-	2-	12-		0-L16019	-5	12	-5	47	-20	-15	-5	-10	-15	37	-5	899	2	46
30-	45.9750-	114.0633-	2-	12-		0-L16020	20	28	-5	18	-20	20	-5	10	23	28	-5	4551	-1	31
30-	45.9778-	114.0417-	2-	12-		0-L16021	-5	9	-5	21	-20	21	-5	-10	-15	13	-5	1153	2	44
30-	45.9789-	114.0369-	2-	12-		0-L16022	-5	22	-5	-10	-20	-15	-5	-10	21	25	-5	2993	3	24
30-	45.9783-	114.0269-	2-	12-		0-L16023	5	23	-5	-10	-20	-15	-5	-10	22	33	-5	2216	3	25
30-	45.9681-	114.1022-	2-	12-		0-L16024	-5	17	-5	14	-20	18	-5	-10	-15	13	-5	903	2	37
30-	45.8967-	114.0742-	2-	15-		0-L16025	-5	13	-5	13	-20	-15	-5	-10	-15	11	-5	642	3	34
30-	45.9019-	114.0922-	2-	12-		0-L16026	-5	9	-5	-10	-20	-15	-5	10	-15	11	-5	513	2	30
30-	45.9081-	114.0814-	2-	12-		0-L16027	-5	7	-5	25	-20	-15	8	10	-15	6	-5	481	2	22
30-	45.9217-	114.1064-	2-	12-		0-L16028	-5	10	-5	20	-20	-15	-5	15	-15	17	-5	817	2	28
30-	45.9097-	114.1106-	2-	12-		0-L16029	-5	9	-5	19	-20	-15	12	17	-15	8	-5	383	3	46
30-	45.8883-	114.1894-	2-	12-		0-L16030	-5	12	-5	11	-20	15	5	-10	21	13	-5	1189	1	21
30-	45.9022-	114.1889-	2-	12-		0-L16031	-5	-5	-5	23	-20	-15	6	-10	-15	8	-5	751	3	37
30-	45.9011-	114.1894-	2-	12-		0-L16032	-5	15	-5	-10	-20	-15	10	22	-15	6	-5	922	2	28
30-	45.9998-	114.1672-	2-	12-		0-L16033	-5	10	-5	-10	-20	-15	21	19	-15	-5	-5	353	2	34
30-	45.8319-	114.2569-	2-	12-		0-L16034	-5	13	-5	12	-20	-15	5	-10	22	9	-5	1350	1	10
30-	45.8536-	114.2903-	2-	12-		0-L16035	-5	9	-5	19	-20	-15	6	-10	-15	11	-5	491	2	18
30-	45.8628-	114.3147-	2-	12-		0-L16036	-5	12	-5	13	-20	-15	-5	-10	-15	11	-5	1037	1	13
30-	45.8117-	114.2589-	2-	12-		0-L16037	-5	6	-5	60	-20	-15	21	-10	-15	7	-5	229	2	19
30-	45.8000-	114.2956-	2-	12-		0-L16038	-5	9	-5	14	-20	-15	-5	-10	-15	6	-5	626	3	16
30-	45.7839-	114.3275-	2-	12-		0-L16039	-5	8	-5	24	-20	-15	15	16	-15	8	-5	441	3	28
30-	45.7875-	114.3647-	2-	12-		0-L16040	-5	12	-5	-10	-20	-15	5	-10	-15	14	-5	601	3	41
30-	45.8144-	114.3833-	2-	12-		0-L16041	-5	10	-5	27	-20	22	6	-10	-15	10	-5	444	3	26
30-	45.7878-	114.3653-	2-	12-		0-L16042	5	13	-5	-10	-20	15	10	-10	-15	9	-5	2409	4	54
30-	45.7717-	114.3292-	2-	12-		0-L16043	-5	6	-5	18	-20	-15	22	-10	-15	7	-5	770	7	51
30-	45.7506-	114.3853-	2-	12-		0-L16044	-5	9	-5	21	-20	23	20	39	15	8	-5	473		
30-	45.7522-	114.4133-	2-	12-		0-L16045	-5	10	-5	14	-20	18	8	-10	-15	11	-5	1320	3	42
30-	45.7636-	114.4336-	2-	12-		0-L16046	-5	6	-5	28	-20	-15	10	-10	-15	8	-5	511	2	35
30-	45.7936-	114.2633-	2-	12-		0-L16047	7	13	-5	-10	-20	-15	13	-10	-15	12	-5	3217	7	52
30-	45.7833-	114.2650-	2-	12-		0-L16048	-5	-5	-5	-10	-20	30	21	-10	-15	-5	-5	3556	9	53
30-	45.7672-	114.2744-	2-	12-		0-L16049	7	15	-5	-10	-20	17	5	-10	-15	17	-5	2948	7	31
30-	45.7575-	114.2828-	2-	12-		0-L16050	-5	13	-5	-10	-20	-15	17	19	-15	15	-5	1333	12	110
30-	45.7467-	114.4483-	2-	12-		0-L16051	-5	9	-5	17	-20	-15	16	-10	-15	5	-5	253	3	41
30-	45.7450-	114.4486-	2-	12-		0-L16052	-5	9	-5	22	24	23	22	-10	17	-5	-5	1420		

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Concentrations reported in weight parts per million (ppm)															
							Al	As	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
30-	45.6044-	114.2472-	2-	15-		0-L16001	58190	-0.04	745	4750	89	-75	7.5	41	11.3	6	1.7	17160	14.1	19420	43	0.5
30-	45.6128-	114.2197-	2-	12-		0-L16002	51540	-0.07	417	11450	146	-115	3.3	-10	21.0	6	1.7	12990	5.1	13550	99	0.6
30-	45.6106-	114.2100-	2-	12-		0-L16004	48290	-0.05	650	4286	79	-71	5.9	45	8.6	7	1.5	19280	33.5	16190	37	0.6
30-	45.6111-	114.2097-	2-	12-		0-L16005	46930	-0.04	564	3658	72	-63	5.1	52	6.0	6	1.5	21720	34.6	18670	34	0.5
30-	45.5975-	114.1694-	2-	12-		0-L16006	47850	-0.04	628	3392	89	-62	6.6	51	9.9	6	1.6	24160	39.8	19220	37	0.6
30-	45.5708-	114.1758-	2-	12-		0-L16007	46020	-0.04	462	4985	67	-81	6.0	33	4.9	6	1.5	17100	13.6	15350	33	0.5
30-	45.5564-	114.1922-	2-	12-		0-L16008	47220	-0.05	554	5029	74	-79	6.2	33	5.5	6	1.2	20590	19.6	16840	33	0.5
30-	45.6100-	114.1844-	2-	15-		0-L16009	50360	0.89	607	5953	114	-76	9.5	43	6.4	11	2.6	25480	18.9	19030	56	0.7
30-	45.5556-	114.1957-	2-	12-		0-L16010	72690	-0.04	1200	17320	221	-98	8.2	40	2.1	5	2.1	21570	9.5	19230	104	0.3
30-	45.5567-	114.2028-	2-	12-		0-L16011	53310	-0.05	764	9173	82	-83	6.3	43	31.8	8	2.5	18580	15.4	23480	47	0.4
30-	45.5542-	114.2039-	2-	12-		0-L16012	59230	-0.05	537	10790	121	-98	4.9	25	12.3	5	0.9	15460	15.0	25250	64	0.4
30-	45.7042-	114.2469-	2-	12-		0-L16013	72970	-0.05	526	12480	143	-103	5.5	30	14.6	9	0.7	15500	26.0	24550	81	0.6
30-	45.8833-	114.2125-	2-	12-		0-L16014	81770	-0.05	1560	19360	554	-121	7.4	36	1.8	5	3.2	36690	20.6	14040	266	-0.1
30-	45.9200-	114.2097-	2-	12-		0-L16015	72740	-0.05	1146	15110	100	-118	4.9	33	2.2	3	1.2	12360	8.7	18200	52	0.2
30-	45.9350-	114.1467-	2-	12-		0-L16016	74470	-0.04	1013	13720	147	-103	5.8	32	2.1	5	1.5	16330	10.4	19070	70	0.3
30-	45.9550-	114.1828-	2-	12-		0-L16017	72950	-0.05	745	11340	137	-99	7.6	22	4.4	6	1.5	16620	10.2	20350	62	0.4
30-	45.9561-	114.2089-	2-	12-		0-L16018	70040	-0.06	-123	13090	726	-110	7.5	45	8.7	14	1.1	34410	91.5	25200	358	1.3
30-	45.9864-	114.1769-	2-	12-		0-L16019	70060	-0.07	535	31850	143	-134	18.5	41	7.4	9	2.3	53690	39.4	13410	60	0.7
30-	45.9750-	114.0633-	2-	12-		0-L16020	63510	0.11	510	28110	1233	-95	20.9	82	2.5	25	6.2	139000	186.8	12920	583	1.9
30-	45.9778-	114.0417-	2-	12-		0-L16021	74080	-0.07	699	26510	340	196	17.7	56	2.8	14	3.2	47510	38.4	18790	158	0.9
30-	45.9789-	114.0369-	2-	12-		0-L16022	75670	0.16	820	27610	1686	-107	10.1	89	-1.8	35	8.8	39190	120.4	16970	797	2.3
30-	45.9783-	114.0269-	2-	12-		0-L16023	80440	0.18	510	21000	2340	-129	6.4	62	-2.0	51	10.8	45940	84.6	14360	1069	3.0
30-	45.9681-	114.1022-	2-	12-		0-L16024	74350	-0.07	735	20470	487	-104	14.0	94	4.8	17	3.9	39500	37.2	17960	216	1.3
30-	45.8967-	114.0742-	2-	15-		0-L16025	75820	-0.06	763	14000	465	-108	7.4	41	3.6	15	3.6	21210	23.0	20120	222	0.9
30-	45.9019-	114.0922-	2-	12-		0-L16026	74640	0.09	930	16270	562	-105	8.0	54	2.3	16	3.8	21740	20.3	17120	261	1.1
30-	45.9081-	114.0814-	2-	12-		0-L16027	70390	-0.05	852	17460	328	-114	8.7	55	4.1	14	3.0	27340	19.8	21260	155	1.0
30-	45.9217-	114.1064-	2-	12-		0-L16028	70330	-0.07	831	16700	667	-104	9.6	75	3.9	25	4.5	34590	30.5	22210	309	1.8
30-	45.9097-	114.1106-	2-	12-		0-L16029	77890	-0.06	805	13750	327	-112	6.9	32	3.7	11	2.5	23480	13.6	19350	154	0.6
30-	45.8883-	114.1894-	2-	12-		0-L16030	74290	-0.05	1391	19770	808	-102	6.0	45	2.0	11	3.7	18760	42.6	17640	384	0.6
30-	45.9022-	114.1889-	2-	12-		0-L16031	77190	-0.06	790	17250	283	-145	8.4	16	2.2	10	2.9	26510	28.3	19320	133	0.6
30-	45.9011-	114.1894-	2-	12-		0-L16032	69720	-0.07	975	20310	905	-106	7.1	62	1.8	11	3.6	30700	32.5	16790	455	0.5
30-	45.9998-	114.1672-	2-	12-		0-L16033	73620	-0.04	1179	15330	365	-96	4.1	27	-1.1	9	2.3	13370	14.6	20730	175	0.5
30-	45.8319-	114.2569-	2-	12-		0-L16034	69890	-0.06	735	26700	657	-113	13.1	22	-1.5	11	3.5	40960	40.0	14080	316	0.7
30-	45.8536-	114.2903-	2-	12-		0-L16035	71140	-0.05	933	21370	239	-123	9.5	21	1.6	6	2.2	27400	15.6	16520	121	0.3
30-	45.8628-	114.3147-	2-	12-		0-L16036	67340	-0.08	812	21960	679	-124	13.4	34	-1.9	13	3.3	43510	36.4	16820	336	0.6
30-	45.8117-	114.2589-	2-	12-		0-L16037	65510	-0.06	605	11120	96	-91	9.4	46	11.0	7	1.6	24160	8.3	22070	53	0.4
30-	45.8000-	114.2956-	2-	12-		0-L16038	71950	-0.06	745	28560	303	187	15.3	17	2.5	10	2.6	36830	22.5	12810	152	0.6
30-	45.7839-	114.3275-	2-	12-		0-L16039	76543	-0.06	672	15290	204	-115	11.5	39	3.4	8	2.3	30580	14.5	20530	102	0.4
30-	45.7875-	114.3647-	2-	12-		0-L16040	73260	-0.06	791	19730	292	-102	8.2	32	2.7	10	2.1	23730	19.6	14010	137	0.5
30-	45.8144-	114.3833-	2-	12-		0-L16041	74430	-0.07	710	20150	411	-107	13.3	53	3.3	11	2.6	33650	17.1	17020	187	0.6
30-	45.7878-	114.3653-	2-	12-		0-L16042	69250	-0.05	618	12960	366	-93	8.0	25	5.3	12	2.4	27250	91.7	28470	175	1.1
30-	45.7717-	114.3292-	2-	12-		0-L16043	77350	-0.05	551	6267	209	-99	4.5	27	8.1	21	2.0	17360	29.2	38270	139	1.0
30-	45.7506-	114.3953-	2-	12-		0-L16044	70020	-0.07	749	6756	151	-105	7.9	46	9.5	14	2.5	18870	15.9	30820	112	0.7
30-	45.7522-	114.4133-	2-	12-		0-L16045	70430	-0.06	742	17620	390	-92	9.8	49	3.4	13	2.5	26660	51.6	18120	179	1.0
30-	45.7636-	114.4336-	2-	12-		0-L16046	75670	-0.05	782	19780	190	-97	12.1	31	4.3	7	2.2	27320	19.2	16740	89	0.5
30-	45.7936-	114.2633-	2-	12-		0-L16047	74810	-0.05	424	9106	388	-119	4.8	23	5.6	15	1.9	26680	150.7	29650	203	1.8
30-	45.7833-	114.2650-	2-	12-		0-L16048	75320	-0.07	306	9518	520	-113	6.7	-12	7.4	18	2.1	22590	159.8	25340	276	2.7
30-	45.7672-	114.2744-	2-	12-		0-L16049	74490	-0.07	405	12300	377	-114	7.2	-11	6.9	14	2.1	30930	113.5	26460	188	1.6
30-	45.7575-	114.2828-	2-	12-		0-L16050	80890	-0.05	391	8518	265	-112	5.6	20	9.8	19	0.9	19020	73.0	31200	140	2.2
30-	45.7467-	114.4483-	2-	12-		0-L16051	69010	-0.04	1083	17120	207	-113	8.2	38	1.8	6	2.0	20610	9.6	19620	100	0.2
30-	45.7450-	114.4486-	2-	12-		0-L16052	70800	-0.07	543	11910	267	-104	11.6	35	5.9	11	1.7	35580	52.5	25570	143	0.9

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LAB SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
30-45.6044-114.2472-2-15-	0-L16001	5379	315	13530	89	-1	7.6	7.5	-151	-1		11.0	2556	43	5.3	76	1.882
30-45.6128-114.2197-2-12-	0-L16003	-1909	453	12220	-36	-2	4.0	25.4	-257	7	-1	9.6	1139	27	3.7	85	21.542
30-45.6106-114.2100-2-12-	0-L16004	4758	214	13350	92	-1	6.5	8.2	-162	-1	-1	11.5	2565	37	6.3	-32	0.948
30-45.6111-114.2097-2-12-	0-L16005	4049	191	13470	84	-1	6.3	5.4	-142	-1		10.3	3010	37	5.5	54	0.718
30-45.5975-114.1694-2-12-	0-L16006	4618	264	10580	100	-2	6.4	6.1	-132	-1	-1	10.6	2426	38	5.2	51	0.981
30-45.5708-114.1758-2-12-	0-L16007	4423	210	15530	73	-1	6.5	7.3	-152	-1		8.4	2454	30	4.8	-11	1.250
30-45.5564-114.1922-2-12-	0-L16008	5111	238	16020	99	2	6.4	6.4	-178	-1		9.6	3031	39	4.5	84	0.760
30-45.6100-114.1844-2-15-	0-L16009	5146	557	12190	116	3	9.5	15.6	-208	-1	1	12.2	2580	48	6.6	76	0.828
30-45.6556-114.1867-2-12-	0-L16010	5581	354	28510	57	-1	5.9	12.4	531	-1		30.5	2782	39	3.2	70	0.161
30-45.6567-114.2028-2-12-	0-L16011	4098	338	11680	134	-1	6.4	11.7	-174	-1	-1	12.9	2072	35	4.8	93	2.031
30-45.6542-114.2039-2-12-	0-L16012	3511	272	25660	157	-1	4.8	7.1	-211	-1		28.9	1941	24	4.6	127	0.869
30-45.7042-114.2469-2-12-	0-L16013	3552	365	24360	160	-1	5.0	10.9	-228	2	1	33.8	2182	30	6.4	206	1.257
30-45.8833-114.2125-2-12-	0-L16014	-1924	624	28930	77	-1	4.4	25.0	796	-2	-1	57.5	3174	51	5.1	217	0.092
30-45.9200-114.2097-2-12-	0-L16015	4373	197	26020	67	-1	4.6	6.5	700	-1		13.5	1757	25	2.6	36	0.289
30-45.9350-114.1467-2-12-	0-L16016	3416	301	30030	79	-1	4.7	9.1	-220	-1		19.6	2039	28	3.8	53	0.133
30-45.9550-114.1828-2-12-	0-L16017	4137	386	23020	80	-1	5.7	9.8	322	-1		16.9	2242	32	4.2	46	0.331
30-45.9561-114.2089-2-12-	0-L16018	5003	649	28340	150	-2	9.5	31.8	-213	6	1	100.5	4895	35	13.6	154	0.372
30-45.9864-114.1769-2-12-	0-L16019	12760	1378	18130	108	-2	20.6	11.5	-316	-2	-1	58.4	4302	112	7.5	105	0.236
30-45.9750-114.0633-2-12-	0-L16020	6949	637	20170	-53	-2	11.2	78.8	-241	-3	4	203.3	6318	263	21.5	-62	0.105
30-45.9778-114.0417-2-12-	0-L16021	12410	709	21830	74	-2	12.3	29.4	-251	-2	2	48.3	5578	111	10.4	-43	0.151
30-45.9789-114.0369-2-12-	0-L16022	6537	474	28580	-42	-2	10.7	96.4	-205	-3	4	270.9	4360	91	27.0	75	0.085
30-45.9783-114.0269-2-12-	0-L16023	3080	443	33130	-51	-2	5.8	170.3	476	-3	8	434.2	2676	69	36.6	-27	0.064
30-45.9681-114.1022-2-12-	0-L16024	7894	582	23700	74	-2	10.8	34.5	-251	-2	2	73.4	4323	80	14.5	86	0.112
30-45.8967-114.0742-2-15-	0-L16025	5481	570	28690	97	-1	6.1	37.0	617	-2	2	64.5	3551	36	10.8	121	0.157
30-45.9019-114.0922-2-12-	0-L16026	4412	509	30520	56	-1	6.0	35.0	499	-2	2	78.8	3615	32	14.3	60	0.109
30-45.9081-114.0814-2-12-	0-L16027	6478	641	23490	68	-1	7.1	26.0	-228	-1	2	47.6	3145	44	11.2	118	0.116
30-45.9217-114.1064-2-12-	0-L16028	7860	755	21980	71	-2	8.5	46.6	-270	-2	3	96.7	3888	52	21.4	-46	0.094
30-45.9097-114.1106-2-12-	0-L16029	4463	594	26820	104	-1	5.6	25.0	422	-1	1	44.5	3074	44	8.1	131	0.342
30-45.8883-114.1894-2-12-	0-L16030	5111	345	29380	54	-1	6.2	39.8	606	-2	1	101.2	3566	39	4.5	79	0.077
30-45.9022-114.1889-2-12-	0-L16031	5159	1085	24640	74	-1	6.9	17.2	-311	-2	-1	35.1	3046	55	6.7	120	0.222
30-45.9011-114.1894-2-12-	0-L16032	4436	529	26720	-38	-2	6.1	47.2	676	-2	1	114.8	3099	61	6.6	92	0.071
30-45.9998-114.1672-2-12-	0-L16033	4813	340	27960	57	-1	4.2	24.9	675	-1		51.3	2249	28	6.0	45	0.115
30-45.8319-114.2569-2-12-	0-L16034	7105	910	27030	-33	-1	10.0	34.2	496	-2	2	76.5	11260	70	8.2	113	0.124
30-45.8536-114.2903-2-12-	0-L16035	5351	535	27550	75	-1	6.8	14.0	544	-1	1	30.0	5213	46	3.2	87	0.180
30-45.8628-114.3147-2-12-	0-L16036	7311	888	24990	-40	-2	8.4	36.6	635	-2	-1	87.4	9927	75	10.3	94	0.119
30-45.8117-114.2589-2-12-	0-L16037	6516	457	15920	133	-2	9.3	8.5	-229	-1	1	16.1	3219	58	3.7	139	1.093
30-45.8000-114.2956-2-12-	0-L16038	9379	796	25550	69	-2	10.1	19.2	-246	-2	1	43.9	8839	68	6.5	96	0.203
30-45.7839-114.3275-2-12-	0-L16039	7455	655	19330	-32	-1	8.6	15.4	-241	-2	-1	28.6	3702	65	4.0	169	0.255
30-45.7875-114.3647-2-12-	0-L16040	6601	502	21710	-32	-2	7.2	17.0	320	-2	-1	40.9	3040	45	6.5	-29	0.166
30-45.8144-114.3833-2-12-	0-L16041	10550	881	20040	77	-2	9.1	34.2	569	-2	1	61.0	3442	62	8.5	-41	0.146
30-45.7878-114.3653-2-12-	0-L16042	4241	511	21620	109	-1	9.5	19.5	-187	3	1	52.8	5283	42	12.6	121	0.303
30-45.7717-114.3292-2-12-	0-L16043	-1667	513	16610	227	-1	4.9	37.9	-213	4	2	41.9	2357	17	10.8	279	0.618
30-45.7506-114.3853-2-12-	0-L16044	4547	425	18570	148	-2	6.0	26.5	-260	-2	1	20.1	2040	29	6.7	121	0.945
30-45.7522-114.4133-2-12-	0-L16045	6802	523	20310	77	-1	8.1	31.3	306	-1	1	59.6	3125	61	9.8	84	0.158
30-45.7636-114.4336-2-12-	0-L16046	7213	434	19360	97	-1	9.0	13.1	-190	-1	1	24.5	3341	55	5.5	97	0.282
30-45.7936-114.2633-2-12-	0-L16047	4649	348	20420	161	-1	8.1	29.2	-210	7	1	68.8	4200	31	18.0	245	0.465
30-45.7833-114.2650-2-12-	0-L16048	-1979	409	31880	178	-2	9.1	28.5	-243	9	2	121.8	5024	26	27.2		0.358
30-45.7672-114.2744-2-12-	0-L16049	4137	599	30400	147	-2	9.6	27.9	-260	7	1	58.0	6465	35	17.7		0.424
30-45.7575-114.2828-2-12-	0-L16050	-1909	460	31960	210	-1	5.8	24.5	-204	9	2	92.9	3808	22	23.0	125	0.501
30-45.7467-114.4483-2-12-	0-L16051	4806	354	27470	49	-1	5.6	13.3	631	-1		28.9	2194	29	2.4	83	0.187
30-45.7450-114.4486-2-12-	0-L16052	5478	602	22890	144	-2	10.1	19.5	-257	3	1	35.3	5424	41	9.0	-107	0.382

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

(1)

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																										U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
30-	45.7453-	114.4278-	2-	12-	0-	L16053-	08/04/76-	10-	17-	9.5-	-	-	5.5-	45-	22-	3-	4-	4-	4-	3-	3-	1-	1-	1-	4-	3-	1-	-8-	-	-	-	-	8.10
30-	45.8467-	114.2375-	2-	12-	0-	L16054-	08/04/76-	11-	19-	10.5-	-	-	5.5-	22-	5-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	3-	1-	-8-	-	-	-	-	9.20
30-	45.8517-	114.2250-	2-	12-	0-	L16055-	08/04/76-	12-	20-	11.5-	-	-	5.5-	22-	63-	3-	4-	4-	4-	3-	3-	1-	1-	3-	3-	3-	2-	-1-	-	-	-	-	18.90
30-	45.8675-	114.2144-	2-	12-	0-	L16056-	08/04/76-	13-	20-	11.0-	-	-	5.9-	55-	11-	3-	4-	4-	4-	2-	3-	4-	1-	3-	3-	2-	2-	-8-	-	-	-	-	9.30
30-	45.8700-	114.2019-	2-	12-	0-	L16057-	08/04/76-	13-	21-	14.5-	-	-	5.5-	22-	16-	3-	4-	4-	4-	3-	3-	1-	1-	3-	3-	2-	2-	-8-	-	-	-	-	12.30
30-	45.8661-	114.1994-	2-	12-	0-	L16058-	08/04/76-	13-	21-	10.5-	-	-	5.7-	55-	22-	3-	4-	4-	4-	4-	4-	1-	1-	3-	4-	3-	2-	-8-	-	-	-	-	24.90
30-	45.8633-	114.1967-	2-	12-	0-	L16059-	08/04/76-	14-	21-	10.5-	-	-	5.5-	50-	11-	3-	4-	4-	4-	4-	4-	1-	1-	3-	4-	2-	2-	-8-	-	-	-	-	20.10
30-	45.8522-	114.1514-	2-	12-	0-	L16060-	08/04/76-	14-	22-	10.5-	-	-	5.5-	60-	5-	3-	4-	4-	4-	4-	4-	1-	1-	3-	4-	4-	2-	-1-	-	-	-	-	41.90
30-	45.8417-	114.1883-	2-	12-	0-	L16061-	08/04/76-	15-	21-	10.5-	-	-	5.5-	60-	27-	3-	4-	4-	4-	4-	4-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	11.10
30-	45.8106-	114.1686-	2-	12-	0-	L16062-	08/04/76-	16-	21-	10.5-	-	-	5.7-	80-	33-	3-	4-	4-	4-	4-	4-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	18.10
30-	45.8103-	114.1697-	2-	12-	0-	L16063-	08/04/76-	16-	21-	10.0-	-	-	5.2-	55-	33-	3-	4-	4-	4-	4-	4-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	46.50
30-	45.7800-	114.1622-	2-	12-	0-	L16064-	08/04/76-	16-	20-	9.0-	-	-	5.2-	42-	5-	3-	4-	4-	4-	4-	4-	1-	1-	1-	4-	4-	4-	-1-	-	-	-	-	9.90
30-	45.8111-	114.0675-	2-	12-	0-	L16065-	08/04/76-	17-	20-	10.5-	-	-	5.5-	40-	16-	3-	4-	4-	4-	4-	4-	1-	1-	1-	4-	4-	2-	-8-	-	-	-	-	22.50
30-	45.8117-	114.0667-	2-	12-	0-	L16066-	08/04/76-	17-	19-	11.5-	-	-	5.7-	60-	16-	3-	4-	4-	4-	3-	3-	1-	1-	2-	4-	4-	2-	-8-	-	-	-	-	20.10
30-	45.8428-	114.0403-	2-	12-	0-	L16067-	08/04/76-	17-	20-	11.0-	-	-	5.5-	75-	16-	3-	4-	4-	4-	4-	4-	1-	1-	3-	4-	3-	2-	-8-	-	-	-	-	37.40
30-	45.8600-	114.0214-	2-	12-	0-	L16068-	08/04/76-	18-	20-	10.5-	C-	-	5.2-	290-	16-	3-	4-	4-	4-	3-	3-	1-	1-	3-	4-	4-	3-	-8-	-	-	-	-	7.40
30-	45.8444-	114.0806-	2-	12-	0-	L16069-	08/04/76-	18-	19-	8.5-	-	-	5.7-	49-	16-	3-	4-	4-	4-	4-	4-	1-	1-	3-	4-	4-	3-	-8-	-	-	-	-	47.10
30-	45.8583-	114.0728-	2-	12-	0-	L16070-	08/04/76-	18-	19-	12.0-	-	-	5.7-	70-	13-	3-	4-	4-	4-	4-	4-	1-	1-	-	-4-	3-	-8-	-	-	-	-	-	13.10
30-	45.5153-	114.3211-	2-	12-	0-	L16071-	08/03/76-	11-	16-	8.0-	-	-	6.1-	57-	6-	4-	-2-	7-	4-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	-	9.80
30-	45.5203-	114.3183-	2-	12-	0-	L16072-	08/03/76-	12-	16-	8.4-	-	-	6.1-	70-	8-	4-	-2-	7-	4-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	-	5.60
30-	45.5206-	114.3239-	2-	12-	0-	L16073-	08/03/76-	12-	16-	10.0-	-	-	6.4-	90-	7-	3-	4-	3-	4-	3-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	8.90
30-	45.5461-	114.3169-	2-	12-	0-	L16076-	08/03/76-	13-	20-	10.0-	-	-	6.4-	110-	3-	3-	4-	3-	6-	3-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	11.80
30-	45.5633-	114.3211-	2-	12-	0-	L16077-	08/03/76-	14-	19-	12.5-	-	-	6.4-	85-	10-	3-	4-	2-	7-	3-	3-	1-	1-	1-	4-	4-	3-	-1-	-	-	-	-	8.80
30-	45.6106-	114.2911-	2-	12-	0-	L16081-	08/03/76-	17-	19-	14.5-	-	-	6.1-	55-	5-	3-	1-	2-	1-	4-	3-	1-	1-	2-	4-	4-	3-	-2-	-	-	-	-	8.00
30-	45.6978-	114.3683-	2-	12-	0-	L16083-	08/04/76-	10-	9-	9.5-	C-	-	6.0-	50-	15-	3-	1-	2-	1-	3-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	31.30
30-	45.6961-	114.3678-	2-	11-	0-	L16084-	08/04/76-	10-	16-	24.0-	C-	-	6.6-	170-	7-	3-	1-	6-	6-	2-	3-	1-	-	1-	4-	4-	1-	-1-	-	-	-	-	4.00
30-	45.6858-	114.3642-	2-	12-	0-	L16085-	08/04/76-	11-	18-	9.0-	-	-	5.7-	24-	8-	3-	1-	3-	1-	4-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	21.60
30-	45.6992-	114.3217-	2-	12-	0-	L16086-	08/04/76-	11-	19-	12.5-	-	-	5.9-	35-	10-	3-	1-	2-	1-	4-	3-	1-	1-	2-	3-	4-	1-	-1-	-	-	-	-	15.80
30-	45.7194-	114.2542-	2-	12-	0-	L16088-	08/04/76-	13-	21-	9.0-	-	-	5.7-	27-	17-	3-	1-	3-	1-	4-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	31.20
30-	45.6661-	114.3197-	2-	12-	0-	L16093-	08/04/76-	16-	19-	13.0-	C-	-	5.6-	28-	3-	1-	1-	2-	1-	3-	3-	1-	1-	1-	4-	4-	2-	-9-	-	-	-	-	5.50
30-	45.7250-	114.2869-	2-	12-	0-	L16094-	08/04/76-	17-	19-	12.5-	-	-	6.4-	143-	13-	3-	1-	3-	1-	3-	3-	1-	1-	1-	3-	4-	2-	-8-	-	-	-	-	27.40
30-	45.8769-	114.0319-	2-	15-	0-	L16095-	09/27/76-	18-	17-	-	-	-	-	-	28-	2-	1-	4-	6-	-1-	-2-	2-	3-	3-	2-	-3-	-	-	-	-	-	2.30
30-	45.5917-	114.3278-	2-	12-	0-	L16099-	08/17/76-	18-	11-	13.0-	-	-	5.4-	45-	9-	3-	1-	3-	1-	3-	3-	1-	1-	1-	4-	4-	4-	-1-	-	-	-	-	23.50
30-	45.6000-	114.3264-	2-	12-	0-	L16100-	08/18/76-	7-	6-	10.0-	-	-	5.0-	55-	5-	3-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	4-	-3-	-	-	-	-	5.30
30-	45.6097-	114.3653-	2-	12-	0-	L16101-	08/18/76-	8-	9-	9.5-	C-	-	5.1-	58-	4-	3-	1-	2-	1-	4-	3-	1-	1-	1-	4-	4-	4-	-1-	-	-	-	-	5.40
30-	45.5875-	114.3875-	2-	12-	0-	L16103-	08/18/76-	10-	9-	9.0-	C-	-	5.6-	64-	3-	3-	1-	2-	1-	4-	3-	3-	1-	1-	4-	4-	4-	-1-	-	-	-	-	4.50
30-	45.5958-	114.4264-	2-	12-	0-	L16104-	08/18/76-	11-	10-	10.0-	C-	-	5.5-	55-	5-	3-	1-	2-	1-	4-	3-	3-	1-	1-	4-	4-	4-	-1-	-	-	-	-	6.30
30-	45.9164-	114.0533-	2-	12-	0-	L16105-	09/09/76-	9-	20-	10.2-	-	-	5.6-	28-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	5.00
30-	45.9728-	114.3514-	2-	12-	0-	L16106-	09/09/76-	13-	20-	9.7-	-	-	5.6-	35-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	7.90
30-	45.9547-	114.2908-	2-	12-	0-	L16107-	09/09/76-	17-	19-	9.4-	-	-	5.9-	40-	11-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	0.20
30-	45.5872-	114.5097-	2-	12-	0-	L16109-	10/09/76-	17-	19-	10.1-	-	-	5.4-	35-	8-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	5.60
30-	45.6025-	114.5214-	2-	12-	0-	L16110-	10/09/76-	18-	16-	9.9-	-	-	5.8-	40-	11-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	8.00
30-	45.6456-	114.4878-	2-	12-	0-	L16112-	09/10/76-	9-	16-	9.8-	-	-	5.8-	30-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	8.90
30-	45.6458-	114.4864-	2-	12-	0-	L16113-	09/10/76-	9-	16-	9.9-	-	-	5.8-	25-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	9.90
30-	45.6497-	114.4850-	2-	12-	0-	L16114-	09/10/76-	10-	19-	9.7-	-	-	6.0-	22-	8-	3-	7-	3-	7-	4-	3-	1-	2-	3-	4-	5-	2-	-1-	-	-	-	-	4.40
30-	45.6722-	114.4678-	2-	12-	0-	L16115-	09/10/76-	11-	23-	9.9-	-	-	5.4-	28-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	10.40
30-	45.6806-	114.4597-	2-	12-	0-	L16116-	09/10/76-	11-	23-	10.2-	-	-	5.2-	30-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	5.60
30-	45.6792-	114.4561-	2-	12-	0-	L16117-	09/10/76-	12-	23-	9.7-	-	-	5.6-	18-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	6.80
30-	45.6825-	114.4531-	2-	12-	0-	L16118-	09/10/76-	12-	24-	11.3-	-	-	5.2-	19-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	32.00
30-	45.6283-	114.3028-	2-	12-	0-	L16120-	09/10/76-	17-	23-	10.1-	-	-	5.9-	42-	8-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	8.10
30-	45.5269-	114.2864-	2-	12-	0-	L16121-	09/10/76-	19-	20-	10.3-	-	-	5.9-	30-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	2.40

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
30-45.7453-114.4278-2-12-	0-L16053	-5	-5	-5	-10	-20	-15	18	-10	-15	5	-5	232	3	73
30-45.8467-114.2375-2-12-	0-L16054	-5	10	-5	13	-20	-15	13	15	-15	9	-5	471	2	29
30-45.8517-114.2250-2-12-	0-L16055	-5	16	-5	10	-20	-15	-5	-10	-15	15	-5	1155	3	44
30-45.8675-114.2144-2-12-	0-L16056	-5	-5	-5	65	-20	-15	17	-10	-15	-5	-5	263	3	41
30-45.8700-114.2019-2-12-	0-L16057	-5	10	-5	47	-20	-15	16	-10	-15	7	-5	428	3	70
30-45.8661-114.1994-2-12-	0-L16058	-5	12	-5	-10	-20	18	12	-10	-15	7	-5	1257	6	74
30-45.8533-114.1967-2-12-	0-L16059														
30-45.8522-114.1514-2-12-	0-L16060	-5	13	-5	26	-20	26	7	-10	-15	10	-5	504	5	48
30-45.8417-114.1883-2-12-	0-L16061	7	-5	-5	-10	-20	33	20	16	-15	-5	-5	3626	4	45
30-45.8106-114.1686-2-12-	0-L16062	-5	-5	-5	12	-20	17	18	24	-15	-5	-5	571	7	75
30-45.8103-114.1697-2-12-	0-L16063	-5	7	-5	10	-20	-15	12	-10	-15	8	-5	392	3	23
30-45.7800-114.1622-2-12-	0-L16064	-5	-5	-5	17	-20	-15	-5	-10	15	7	-5	1211	2	37
30-45.8111-114.0675-2-12-	0-L16065	-5	-5	-5	15	-20	26	14	-10	-15	-5	-5	945	6	77
30-45.8117-114.0667-2-12-	0-L16066	-5	5	-5	19	-20	-15	19	-10	-15	5	-5	542	4	43
30-45.8428-114.0403-2-12-	0-L16067	-5	10	-5	21	-20	-15	19	-10	-15	8	-5	461	5	65
30-45.8600-114.0214-2-12-	0-L16068	-5	14	-5	10	-20	-15	-5	12	-15	19	-5	514	2	44
30-45.8444-114.0806-2-12-	0-L16069	-5	9	-5	19	-20	19	18	-10	-15	6	-5	314	4	131
30-45.8583-114.0728-2-12-	0-L16070	-5	11	-5	10	-20	-15	7	-10	-15	8	-5	430	2	53
30-45.5153-114.3211-2-12-	0-L16071	-5	-5	-5	20	-20	36	-5	-10	-15	5	-5	555	2	32
30-45.5203-114.3183-2-12-	0-L16072	-5	-5	-5	32	-20	65	-5	10	-15	7	-5	618	1	22
30-45.5206-114.3239-2-12-	0-L16073	-5	-5	-5	26	-20	35	-5	-10	-15	10	-5	917	2	47
30-45.5461-114.3169-2-12-	0-L16076	-5	-5	-5	38	-20	31	-5	15	-15	7	-5	389	2	29
30-45.5533-114.3211-2-12-	0-L16077	-5	6	-5	32	-20	42	-5	-10	-15	8	-5	424	2	31
30-45.6106-114.2911-2-12-	0-L16081	-5	-5	-5	-10	-20	-15	-5	-10	-15	11	-5	1064	2	22
30-45.6973-114.3683-2-12-	0-L16083	-5	12	-5	18	-20	16	23	55	-15	8	-5	1410		
30-45.6961-114.3678-2-11-	0-L16084	-5	-5	-5	11	-20	-15	-5	-10	-15	7	-5	426	3	46
30-45.6858-114.3642-2-12-	0-L16085	-5	9	-5	10	-20	-15	8	-10	-15	8	-5	441	14	71
30-45.6992-114.3217-2-12-	0-L16086	-5	7	-5	-10	-20	-15	11	-10	-15	6	-5	502	6	68
30-45.7194-114.2542-2-12-	0-L16088	-5	11	-5	-10	-20	-15	15	-10	-15	9	-5	881	12	83
30-45.6661-114.3197-2-12-	0-L16093	-5	-5	-5	18	-20	-15	8	-10	-15	-5	-5	313	5	35
30-45.7250-114.2869-2-12-	0-L16094	-5	8	-5	24	-20	23	23	-10	-15	13	-5	497	6	111
30-45.8769-114.0319-2-15-	0-L16095	-5	6	-5	11	-20	-15	10	-10	-15	7	-5	318	2	29
30-45.5917-114.3278-2-12-	0-L16099	-5	7	-5	13	-20	20	6	-10	-15	9	-5	563	5	48
30-45.6000-114.3264-2-12-	0-L16100	-5	6	-5	-10	-20	23	12	15	-15	-5	-5	323	2	17
30-45.5097-114.3653-2-12-	0-L16101	-5	6	-5	16	-20	-15	16	10	-15	-5	-5	241	3	46
30-45.5875-114.3875-2-12-	0-L16103	-5	-5	-5	11	-20	-15	13	10	-15	5	-5	226	3	38
30-45.5958-114.4264-2-12-	0-L16104	-5	5	-5	21	-20	19	27	-10	-15	-5	-5	204	3	39
30-45.9164-114.0533-2-12-	0-L16105	-5	-5	-5	17	-20	-15	-5	-10	-15	5	-5	355	3	36
30-45.9728-114.3514-2-12-	0-L16106	-5	9	-5	12	-20	-15	10	-10	-15	9	-5	594	3	23
30-45.9547-114.2908-2-12-	0-L16107	-5	7	-5	17	-20	-15	7	-10	-15	5	-5	662	4	41
30-45.5872-114.5097-2-12-	0-L16109	-5	-5	-5	19	-20	18	12	-10	-15	26	-5	300	3	59
30-45.6025-114.5214-2-12-	0-L16110	-5	12	-5	-10	-20	-15	-5	-10	-15	9	-5	973	3	39
30-45.6456-114.4878-2-12-	0-L16112	-5	8	-5	22	-20	-15	-5	-10	-15	15	-5	795	3	39
30-45.6458-114.4864-2-12-	0-L16113	-5	9	-5	-10	-20	-15	6	-10	-15	7	-5	912	3	39
30-45.6497-114.4850-2-12-	0-L16114	-5	7	-5	16	-20	-15	-5	-10	-15	8	-5	364	3	33
30-45.6722-114.4678-2-12-	0-L16115	-5	6	-5	14	-20	-15	-5	-10	17	13	-5	1281	3	31
30-45.6806-114.4597-2-12-	0-L16116	-5	-5	-5	19	-20	-15	7	-10	-15	-5	-5	501	3	23
30-45.6792-114.4561-2-12-	0-L16117	-5	9	-5	-10	-20	-15	-5	-10	-15	7	-5	812	3	36
30-45.6825-114.4531-2-12-	0-L16118														
30-45.6283-114.3028-2-12-	0-L16120	-5	10	-5	26	-20	23	5	-10	-15	10	-5	1079	3	48
30-45.5269-114.2864-2-12-	0-L16121	-5	-5	-5	19	-20	-15	13	-10	-15	6	-5	177	3	32

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAB. SAMPLE LOCATION NUMBER	Concentrations reported in weight parts per million (ppm)															
							Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
30-	45.7453-	114.4278-	2-	12-		0-L16053	83110	-0.05	1258	7591	163	-103	7.2	34	9.0	5	1.9	13020	8.9	22220	80	0.3
30-	45.8467-	114.2375-	2-	12-		0-L16054	83300	-0.05	1021	15180	425	-114	9.9	36	4.0	6	2.9	24210	17.1	19410	213	0.3
30-	45.8517-	114.2250-	2-	12-		0-L16055	77810	0.18	939	15900	2030	-120	8.9	50	3.0	22	7.4	21190	46.0	17970	998	0.6
30-	45.8675-	114.2144-	2-	12-		0-L16056	72620	-0.07	564	9835	99	-91	7.1	47	6.8	7	1.9	25320	8.9	13480	53	0.3
30-	45.8700-	114.2019-	2-	12-		0-L16057	82730	0.12	1009	13330	247	-98	5.3	52	6.4	7	2.2	15940	17.1	18310	128	0.4
30-	45.8661-	114.1994-	2-	12-		0-L16058	70210	-0.05	384	15560	554	-105	8.8	91	6.1	12	1.7	28630	54.7	26440	274	1.0
30-	45.8633-	114.1967-	2-	12-		0-L16059	55950	-0.07	433	13470	285	-159	4.9	36	4.7	11	1.3	23280	33.4	25520	150	0.7
30-	45.8522-	114.1514-	2-	12-		0-L16060	59960	-0.08	536	27740	268	-113	18.3	267	7.9	9	2.1	34110	17.8	19380	141	0.6
30-	45.8417-	114.1883-	2-	12-		0-L16061	77560	-0.05	867	13920	285	-108	7.5	40	4.3	8	2.4	19540	14.0	23120	134	0.5
30-	45.8106-	114.1686-	2-	12-		0-L16062	79270	-0.04	953	12170	208	-108	7.3	47	5.2	7	2.0	21800	20.6	23310	112	0.6
30-	45.8103-	114.1697-	2-	12-		0-L16063	54260	-0.08	-131	12770	1237	-126	6.7	48	6.7	19	2.3	36590	200.9	26450	619	2.3
30-	45.7800-	114.1622-	2-	12-		0-L16064	76700	-0.08	746	30680	245	-116	17.2	34	4.0	11	3.3	62600	51.5	15830	110	0.9
30-	45.8111-	114.0675-	2-	12-		0-L16065	71870	-0.06	591	19570	232	-111	10.8	75	7.8	6	1.4	29060	36.7	24130	116	0.6
30-	45.8117-	114.0667-	2-	12-		0-L16066	73950	-0.05	585	15360	265	-100	7.6	48	11.4	6	1.3	20700	27.0	25340	130	0.5
30-	45.8428-	114.0403-	2-	12-		0-L16067	74380	-0.05	601	15230	169	-115	7.0	50	14.7	7	1.7	19310	17.3	22880	88	0.5
30-	45.8600-	114.0214-	2-	12-		0-L16068	76690	0.13	1139	10290	769	-106	8.5	58	8.0	26	5.1	58950	21.1	26720	354	2.0
30-	45.8444-	114.0806-	2-	12-		0-L16069	77530	-0.06	608	16870	182	-113	7.3	60	14.1	5	2.0	21890	10.5	16480	94	0.5
30-	45.8583-	114.0728-	2-	12-		0-L16070	80180	-0.05	1052	16240	491	-112	10.8	58	5.6	14	3.6	28260	15.1	19960	224	0.8
30-	45.5153-	114.3211-	2-	12-		0-L16071	71120	-0.09	582	39940	215	532	30.9	116	4.4	11	2.4	56630	21.9	8719	93	0.8
30-	45.5203-	114.3183-	2-	12-		0-L16072	67420	-0.09	499	44890	237	521	40.6	165	2.8	8	2.4	67160	24.7	7216	129	0.7
30-	45.5206-	114.3239-	2-	12-		0-L16073	70840	-0.08	746	36830	171	528	36.3	122	4.0	9	2.2	61510	32.4	12070	95	1.0
30-	45.5461-	114.3169-	2-	12-		0-L16076	67320	-0.08	442	24750	101	253	25.4	90	7.9	9	2.2	50520	14.8	14820	50	0.7
30-	45.5633-	114.3211-	2-	12-		0-L16077	69840	-0.09	479	38270	145	555	35.4	123	4.4	8	2.0	57280	15.7	11610	74	0.7
30-	45.6106-	114.2911-	2-	12-		0-L16081	65900	-0.05	527	4647	63	-69	3.9	34	6.2	7	1.3	19420	37.8	17870	28	0.6
30-	45.6978-	114.3683-	2-	12-		0-L16083	78920	-0.06	580	11710	279	-109	6.6	36	21.0	14	2.2	28740	46.2	28210	171	1.0
30-	45.6961-	114.3678-	2-	11-		0-L16084	64970	-0.04	674	4578	100	-83	2.3	19	8.5	5	1.2	9502	15.1	21830	45	0.4
30-	45.6858-	114.3642-	2-	12-		0-L16085	64840	-0.06	391	6319	306	-93	6.0	28	6.7	16	1.2	19630	16.4	22530	152	1.0
30-	45.6992-	114.3217-	2-	12-		0-L16086	64570	-0.05	432	7795	179	-90	6.1	24	12.6	10	1.2	16370	23.0	24200	90	0.8
30-	45.7194-	114.2542-	2-	12-		0-L16088	80110	-0.05	-115	10390	165	-113	5.1	22	10.9	10	0.7	18230	39.5	24600	84	1.1
30-	45.6651-	114.3197-	2-	12-		0-L16093	46670	-0.04	412	4367	82	-71	5.3	37	4.8	6	1.2	14050	10.9	17890	40	0.3
30-	45.7250-	114.2869-	2-	12-		0-L16094	79290	-0.07	516	10140	150	-106	8.8	30	26.7	9	1.8	22660	18.6	25530	93	0.7
30-	45.8769-	114.0319-	2-	15-		0-L16095	62860	-0.05	1212	53140	118	-88	12.4	166	2.9	4	1.6	32830	12.5	12310	57	0.3
30-	45.5917-	114.3278-	2-	12-		0-L16098	65160	-0.10	458	16960	175	236	9.9	75	6.8	10	1.3	31850	22.7	17690	87	0.9
30-	45.6000-	114.3264-	2-	12-		0-L16100	71810	-0.05	1094	19040	242	-107	5.3	52	-1.1	6	1.7	21730	11.4	18750	122	0.4
30-	45.6097-	114.3653-	2-	12-		0-L16101	70270	-0.06	1182	17540	192	-125	7.1	63	-1.2	5	1.7	23890	10.0	18140	89	0.3
30-	45.5875-	114.3875-	2-	12-		0-L16103	70620	-0.07	1024	16550	147	-121	7.4	66	2.1	5	1.4	21800	8.0	18310	68	0.2
30-	45.5958-	114.4264-	2-	12-		0-L16104	59560	-0.06	961	16940	137	-120	8.8	55	4.1	4	1.5	22220	7.9	18690	62	0.3
30-	45.9164-	114.0533-	2-	12-		0-L16105	68100	-0.05	649	23710	220	-105	6.6	34	2.5	10	2.5	20610	11.8	18720	100	0.6
30-	45.9728-	114.3514-	2-	12-		0-L16106	67120	-0.06	1074	15960	639	-101	5.6	38	-1.3	12	3.1	19880	19.6	20800	294	0.7
30-	45.9547-	114.2908-	2-	12-		0-L16107	59990	-0.05	622	11850	141	-86	5.9	28	4.4	6	1.4	18220	24.2	22760	69	0.5
30-	45.5872-	114.5097-	2-	12-		0-L16109	68330	-0.06	923	16040	100	164	13.2	37	5.5	5	1.8	32440	10.3	15120	48	0.5
30-	45.6025-	114.5214-	2-	12-		0-L16110	52300	-0.06	794	23050	412	-119	9.9	38	1.5	15	3.5	26470	33.4	19620	204	0.9
30-	45.6456-	114.4878-	2-	12-		0-L16112	61340	-0.06	770	17090	231	-89	9.5	37	3.8	10	2.3	27270	25.7	19930	109	0.8
30-	45.6458-	114.4864-	2-	12-		0-L16113	63870	-0.05	706	22160	266	-89	5.2	33	3.5	12	2.7	27120	38.3	15630	124	1.0
30-	45.6497-	114.4850-	2-	12-		0-L16114	73860	-0.04	845	19500	177	-95	6.6	31	2.9	6	2.0	19930	13.1	19160	83	0.5
30-	45.6722-	114.4678-	2-	12-		0-L16115	59110	-0.05	752	22950	316	-101	6.5	37	3.3	16	3.5	33160	50.8	14510	153	1.3
30-	45.6806-	114.4597-	2-	12-		0-L16116	59170	-0.05	590	12430	121	-86	7.2	30	3.9	6	1.2	17700	15.9	21360	57	0.5
30-	45.6792-	114.4561-	2-	12-		0-L16117	84800	-0.06	789	23670	427	-108	8.3	43	-1.4	14	3.3	24510	29.2	17680	200	0.8
30-	45.6825-	114.4531-	2-	12-		0-L16118	72830	-0.05	668	15110	452	-105	6.9	45	13.3	9	2.1	21980	58.5	22970	221	0.9
30-	45.6283-	114.3028-	2-	12-		0-L16120	58000	-0.05	539	13610	209	-95	9.0	48	3.3	8	1.7	24360	35.5	21690	106	0.7
30-	45.5269-	114.2864-	2-	12-		0-L16121	74010	-0.04	1185	16480	85	-99	4.6	21	1.6	3	1.3	11180	5.4	25750	44	0.2

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
30-45.7453-114.4279-2-12-	0-L16053	4261	269	26250	90	-1	5.6	12.0	-219	-1		23.0	3464	30	3.3	94	0.352
30-45.8467-114.2375-2-12-	0-L16054	3754	640	26950	90	-1	6.7	22.2	815	-2	1	54.0	3651	39	3.7	137	0.170
30-45.8517-114.2250-2-12-	0-L16055	5777	375	28740	77	-2	5.7	113.0	705	-3	3	248.1	3412	42	13.4	118	0.076
30-45.8675-114.2144-2-12-	0-L16056	4987	274	11990	-36	-2	8.7	6.5	-223	-2	-1	10.8	2788	41	3.6	162	0.861
30-45.8700-114.2019-2-12-	0-L16057	5584	186	22200	84	-1	6.6	18.5	735	-1	-1	32.3	3260	44	3.9	201	0.381
30-45.8651-114.1994-2-12-	0-L16058	7844	532	29390	127	-1	10.7	26.3	-200	4	1	63.8	3361	40	10.8	149	0.390
30-45.8633-114.1967-2-12-	0-L16059	4998	486	27780	100	-2	7.0	15.6	-301	4	-1	38.9	3081	27	6.8	170	0.517
30-45.8522-114.1514-2-12-	0-L16060	16120	720	22730	100	-2	15.1	19.1	-285	-2	-1	52.4	2859	83	7.0	153	0.800
30-45.8417-114.1883-2-12-	0-L16061	4204	602	25030	76	-1	5.8	19.2	-252	-1	-1	41.3	3057	31	5.5	48	0.269
30-45.8106-114.1686-2-12-	0-L16062	4486	425	31600	140	-1	6.8	15.9	-193	-1	1	32.9	2441	26	6.2	138	0.550
30-45.8103-114.1697-2-12-	0-L16063	4872	827	27100	165	-2	10.8	58.9	-252	11	2	156.7	6222	39	24.4	-160	0.297
30-45.7800-114.1622-2-12-	0-L16064	9320	1027	20700	-41	-2	19.5	17.8	-317	-2	-1	36.1	4564	119	8.0	-51	0.274
30-45.8111-114.0675-2-12-	0-L16065	8397	850	24730	130	-2	12.0	11.0	-276	-1	-1	34.6	3800	47	5.4	-29	0.650
30-45.8117-114.0667-2-12-	0-L16066	6258	389	28030	134	-1	8.3	13.3	409	3		39.5	2575	43	5.6	88	0.509
30-45.8428-114.0403-2-12-	0-L16067	6887	358	26470	126	-1	7.2	14.5	433	3	-1	29.3	2164	33	4.9	163	1.276
30-45.8600-114.0214-2-12-	0-L16068	4730	475	27020	105	-2	5.7	50.6	438	-2	4	104.6	3920	62	24.4	142	0.071
30-45.8444-114.0806-2-12-	0-L16069	4675	726	26280	106	-1	7.0	16.4	535	-1	-1	33.0	2799	44	4.5	131	1.427
30-45.8583-114.0728-2-12-	0-L16070	5962	550	30820	81	-1	7.8	28.7	603	-2	2	71.3	3185	44	9.8	99	0.184
30-45.5153-114.3211-2-12-	0-L16071	22320	941	21050	-42	-3	31.8	10.4	-296	-1	1	12.1	6499	176	8.4	-50	0.810
30-45.5203-114.3183-2-12-	0-L16072	24980	1240	19510	-42	-2	35.3	12.6	-302	-1	-1	12.2	9549	204	7.5	-51	0.459
30-45.5206-114.3239-2-12-	0-L16073	21980	979	20400	74	-2	32.4	10.9	-240	-2	-1	18.5	7231	191	9.2	-49	0.481
30-45.5461-114.3169-2-12-	0-L16076	12750	730	18630	120	-2	22.4	11.0	-243	2	-1	12.8	5968	133	6.1	127	0.922
30-45.5633-114.3211-2-12-	0-L16077	20500	969	19480	-43	-3	31.3	8.9	-302	-1	-1	10.8	5687	169	7.5	-56	0.815
30-45.6106-114.2911-2-12-	0-L16081	4554	198	13780	79	-2	5.3	6.0	-154	-1		9.9	3091	35	5.5	-21	0.808
30-45.6978-114.3683-2-12-	0-L16083	5074	701	20740	173	-1	9.6	22.5	-229	4	2	34.7	3669	31	10.4	180	0.902
30-45.6961-114.3678-2-11-	0-L16084	2926	154	14510	82	-1	3.3	6.8	-153	-1		10.8	1892	17	3.3	93	0.370
30-45.6858-114.3642-2-12-	0-L16085	3027	342	19730	153	-1	5.1	27.9	-218	4	2	40.9	1719	18	10.4	-138	0.528
30-45.6992-114.3217-2-12-	0-L16086	3124	349	20450	133	-1	5.5	17.2	-206	-1	1	29.4	2632	27	7.6	99	0.537
30-45.7194-114.2542-2-12-	0-L16088	-1841	338	33570	200	-1	4.9	15.1	-201	5	1	52.5	1828	20	12.5	155	0.594
30-45.6561-114.3197-2-12-	0-L16093	3480	240	9288	93	-1	5.6	6.8	-147	-1		11.1	2389	34	3.6	66	0.495
30-45.7250-114.2869-2-12-	0-L16094	5409	729	19300	178		7.9	16.4	-290	-2	-1	33.5	2665	44	6.2	137	0.818
30-45.8769-114.0319-2-15-	0-L16095	5960	754	15870	74	-1	7.6	7.2	442	-1	-1	13.4	4857	83	4.1	73	0.172
30-45.5917-114.3278-2-12-	0-L16099	9972	654	19670	67	-3	13.3	14.0	-289	3	-1	30.7	4883	71	8.1	-38	0.765
30-45.6000-114.3264-2-12-	0-L16100	5723	429	29850	-23	-1	5.5	14.0	-200	-1		34.3	3088	36	4.7	64	0.155
30-45.6097-114.3653-2-12-	0-L16101	5840	571	26620	-28	-2	6.3	12.2	665	-1	-1	25.3	2235	38	3.2	69	0.213
30-45.5875-114.3875-2-12-	0-L16103	6910	615	26910	79	-2	5.8	9.4	547	-1	-1	18.1	2232	33	3.6	-35	0.249
30-45.5959-114.4264-2-12-	0-L16104	5107	966	24870	71	3	5.6	10.2	651	-1	-1	17.9	2508	36	3.7	168	0.352
30-45.9164-114.0533-2-12-	0-L16105	5815	293	26790	50	-1	7.6	15.7	328	-1	1	24.9	3153	48	6.8	103	0.201
30-45.9728-114.3514-2-12-	0-L16106	3441	362	27640	-29	-1	4.7	36.5	599	-2	2	86.1	3535	30	8.1	99	0.092
30-45.9547-114.2908-2-12-	0-L16107	3807	307	20950	92	-1	6.8	11.0	-190	-1		23.6	3109	36	5.3	52	0.008
30-45.5872-114.5097-2-12-	0-L16109	7155	1346	20780	100	-1	9.4	8.2	-306	-1	-1	12.3	2650	64	4.1	132	0.455
30-45.6025-114.5214-2-12-	0-L16110	7031	362	31170	-31	-1	9.4	27.9	424	-2	1	58.6	3221	57	8.9	114	0.137
30-45.6456-114.4878-2-12-	0-L16112	3757	515	17630	71	-2	9.0	16.5	-227	-1	1	30.0	3792	62	8.6	60	0.297
30-45.6458-114.4864-2-12-	0-L16113	6940	413	22020	91	-1	8.5	21.4	309	-1	1	40.5	3701	57	9.8	51	0.244
30-45.6497-114.4850-2-12-	0-L16114	4840	244	28960	67	-1	6.6	10.4	-162	-1	1	24.1	2408	44	6.0	81	0.183
30-45.6722-114.4678-2-12-	0-L16115	6388	471	20550	-31	-1	10.6	22.0	-197	3	1	47.0	4272	70	14.4	77	0.221
30-45.6806-114.4597-2-12-	0-L16116	3984	268	21130	123	-1	6.8	7.9	-189	-1	1	17.7	2780	33	4.7	126	0.316
30-45.6792-114.4561-2-12-	0-L16117	6973	372	32550	-28	-1	7.3	31.1	531	-1	1	61.8	3692	51	8.9	37	0.110
30-45.5825-114.4531-2-12-	0-L16118	6020	487	27660	116	-1	7.3	20.8	-202	3		74.2	3026	34	9.6	117	0.431
30-45.6283-114.3028-2-12-	0-L16120	5654	360	20370	83	-1	9.7	12.2	-177	2	1	31.9	3991	47	6.6	94	0.254
30-45.5269-114.2864-2-12-	0-L16121	-1764	337	30050	64	-1	3.3	5.2	601	-1		12.2	1313	22	2.7	88	0.197

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

(1)

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
SPARE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
30-	45.5428-	114.4028-	2-	12-	0-	L16123-	09/11/76-	15-	27-	10.7-	-	-	5.9-	25-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	3.80
30-	45.5789-	114.4711-	2-	12-	0-	L16124-	09/12/76-	11-	21-	9.4-	-	-	6.0-	40-	8-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	5.80
30-	45.6358-	114.5050-	2-	12-	0-	L16125-	09/12/76-	16-	21-	10.3-	-	-	5.8-	90-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	5.40
30-	45.6361-	114.5050-	2-	12-	0-	L16126-	09/12/76-	15-	21-	10.1-	-	-	5.9-	70-	5-	3-	7-	3-	7-	4-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	17.70
30-	45.7250-	114.3569-	2-	15-	0-	L16127-	10/12/76-	9-	10-	-	-	-	-	-	-4-	7-	3-	1-	-1-	-2-	3-	3-	4-	1-	-3-	-	-	-	-	-	-	-	-	3.40
30-	45.7078-	114.3250-	2-	15-	0-	L16128-	08/10/76-	8-	13-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	2-	3-	1-	-3-	-	-	-	-	-	-	-	-	2.40
30-	45.7000-	114.3589-	2-	15-	0-	L16129-	08/10/76-	8-	13-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	2-	2-	1-	-3-	-	-	-	-	-	-	-	-	3.00
30-	45.7114-	114.2728-	2-	15-	0-	L16130-	10/12/76-	8-	0-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	3-	3-	2-	1-	-3-	-	-	-	-	-	-	-	-	3.60
30-	45.6842-	114.2931-	2-	15-	0-	L16131-	08/10/76-	12-	13-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	3-	2-	1-	-3-	-	-	-	-	-	-	-	-	3.00
30-	45.6522-	114.2919-	2-	15-	0-	L16132-	08/10/76-	11-	13-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	3-	3-	1-	-3-	-	-	-	-	-	-	-	-	19.10
30-	45.6408-	114.2903-	2-	15-	0-	L16133-	08/10/76-	11-	14-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	3-	2-	1-	-3-	-	-	-	-	-	-	-	-	3.10
30-	45.6000-	114.3033-	2-	15-	0-	L16134-	08/10/76-	10-	13-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	3-	3-	1-	-3-	-	-	-	-	-	-	-	-	3.00
30-	45.6472-	114.3078-	2-	15-	0-	L16135-	08/10/76-	10-	13-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	3-	3-	1-	-3-	-	-	-	-	-	-	-	-	2.30
30-	45.6778-	114.3083-	2-	15-	0-	L16136-	08/10/76-	10-	13-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	2-	3-	1-	-3-	-	-	-	-	-	-	-	-	2.20
30-	45.6842-	114.3042-	2-	15-	0-	L16137-	08/10/76-	9-	13-	-	-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	2-	3-	1-	-3-	-	-	-	-	-	-	-	-	2.20
16-	45.1078-	114.1053-	2-	12-	0-	L16138-	07/08/79-	9-	18-	6.8-	-	-	8.7-	26-	6-	4-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	3-	-1-	-	-	-	-	-	5.47
16-	45.1392-	114.1231-	2-	11-	0-	L16139-	07/08/79-	10-	18-	7.9-	-	-	7.9-	39-	6-	4-	6-	5-	8-	3-	3-	1-	-1-	-3-	3-	3-	-1-	-	-	-	-	-	-	4.11
16-	45.1458-	114.1203-	2-	12-	0-	L16140-	07/08/79-	10-	18-	7.6-	-	-	8.0-	20-	8-	4-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	3-	-1-	-	-	-	-	-	4.73
16-	45.1522-	114.1228-	2-	12-	0-	L16141-	07/08/79-	10-	20-	9.5-	-	-	8.1-	18-	6-	4-	6-	3-	6-	4-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	-	3.72
16-	45.1583-	114.1700-	2-	12-	0-	L16142-	07/08/79-	11-	21-	10.9-	-	-	7.7-	40-	16-	1-	6-	2-	6-	4-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	-	6.42
16-	45.1678-	114.1581-	2-	12-	0-	L16143-	07/08/79-	11-	20-	11.4-	-	-	7.7-	35-	4-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	3-	-1-	-	-	-	-	-	5.05
16-	45.1531-	114.1783-	2-	15-	0-	L16144-	07/08/79-	11-	20-	-	-	-	-	-	6-	1-	6-	5-	1-	-1-	-2-	1-	3-	4-	3-	-1-	-	-	-	-	-	-	-	5.19
16-	45.1433-	114.0342-	2-	11-	0-	L16145-	07/08/79-	12-	22-	6.4-	-	-	7.9-	25-	12-	1-	6-	5-	8-	3-	3-	1-	-1-	-3-	4-	2-	-1-	-	-	-	-	-	-	3.76
16-	45.0833-	114.0447-	2-	12-	0-	L16147-	07/08/79-	13-	23-	11.9-	-	-	7.4-	35-	12-	1-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	-	5.37
16-	45.0808-	114.0447-	2-	12-	0-	L16148-	07/08/79-	13-	24-	9.7-	-	-	7.3-	41-	5-	1-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	9.33
16-	45.0539-	114.0472-	2-	12-	0-	L16149-	07/08/79-	13-	24-	9.1-	-	-	7.6-	19-	8-	1-	6-	3-	6-	3-	3-	1-	2-	1-	4-	3-	2-	-1-	-	-	-	-	-	3.99
16-	45.0556-	114.0483-	2-	12-	0-	L16150-	07/08/79-	14-	25-	9.6-	-	-	7.6-	25-	6-	1-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	4.56
16-	45.0767-	114.0125-	2-	12-	0-	L16151-	07/08/79-	14-	26-	11.9-	-	-	7.4-	59-	20-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	6.68
16-	45.1114-	114.0261-	2-	12-	0-	L16152-	07/08/79-	14-	26-	9.9-	-	-	7.5-	20-	12-	1-	6-	3-	6-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	-	6.06
16-	45.1097-	114.0264-	2-	12-	0-	L16153-	07/08/79-	15-	26-	9.1-	-	-	7.5-	18-	8-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	2.94
16-	45.0181-	114.0006-	2-	15-	0-	L16154-	07/08/79-	17-	26-	-	-	-	-	-	15-	1-	6-	5-	6-	-1-	-2-	4-	3-	4-	1-	-1-	-	-	-	-	-	-	-	2.67
16-	45.0158-	114.0011-	2-	12-	0-	L16155-	07/08/79-	17-	26-	14.2-	-	-	7.5-	99-	14-	1-	6-	5-	6-	3-	3-	1-	2-	4-	3-	4-	2-	-1-	-	-	-	-	-	13.16
16-	45.0144-	114.0014-	2-	12-	0-	L16156-	07/08/79-	17-	26-	12.7-	-	-	7.3-	78-	18-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	5.26
16-	45.6150-	114.0006-	2-	15-	0-	L16157-	07/08/79-	18-	25-	-	-	-	-	-	16-	1-	6-	3-	1-	-1-	-2-	4-	3-	4-	1-	-1-	-	-	-	-	-	-	-	4.23
16-	45.5050-	114.0989-	2-	99-	0-	L16158-	07/09/79-	12-	25-		-C-	-	-	-	16-	1-	6-	5-	6-	-1-	-	-4-	3-	4-	1-	-1-	-	-	-	-	-	-	-	2.22
16-	45.5244-	114.0929-	2-	11-	0-	L16159-	07/09/79-	14-	27-	12.6-	-	-	8.1-	18-	11-	1-	6-	5-	6-	2-	3-	1-	-4-	3-	4-	2-	-1-	-	-	-	-	-	-	7.66
16-	45.5536-	114.1425-	2-	11-	0-	L16160-	07/09/79-	15-	27-	5.0-	-	-	7.8-	23-	16-	1-	6-	5-	6-	2-	2-	1-	-4-	3-	4-	2-	-1-	-	-	-	-	-	-	1.86
16-	45.5511-	114.1336-	2-	11-	0-	L16161-	07/08/79-	15-	28-	7.5-	-	-	8.0-	15-	16-	1-	6-	5-	1-	2-	3-	1-	-4-	3-	4-	2-	-1-	-	-	-	-	-	-	5.95
16-	45.5319-	114.1194-	2-	11-	0-	L16162-	07/09/79-	15-	27-	9.6-	-	-	8.1-	14-	12-	1-	6-	5-	6-	2-	3-	1-	-4-	3-	4-	1-	-1-	-	-	-	-	-	-	4.25
16-	45.0772-	114.5261-	2-	12-	0-	L16163-	07/08/79-	14-	26-	11.0-	-	-	8.4-	13-	2-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	81.55
16-	45.0783-	114.5253-	2-	12-	0-	L16164-	07/08/79-	15-	25-	9.6-	-	-	8.2-	6-	1-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	180.20
16-	45.0778-	114.5233-	2-	12-	0-	L16165-	07/08/79-	15-	25-	9.2-	-	-	8.3-	3-	3-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	104.10
16-	45.0750-	114.5158-	2-	12-	0-	L16166-	07/08/79-	16-	23-	9.1-	-	-	8.0-	13-	2-	2-	7-	3-	1-	2-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	-	258.80
16-	45.0586-	114.4897-	2-	12-	0-	L16167-	07/08/79-	17-	23-	9.7-	-	-	8.1-	14-	1-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	32.32
16-	45.0528-	114.4794-	2-	12-	0-	L16168-	07/08/79-	17-	23-	10.2-	-	-	7.8-	39-	1-	2-	7-	3-	7-	2-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	-	24.42
16-	45.0447-	114.4756-	2-	12-	0-	L16169-	07/08/79-	18-	23-	10.7-	-	-	8.1-	29-	2-	2-	7-	3-	6-	3-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	-	80.08
16-	45.0431-	114.4736-	2-	12-	0-	L16170-	07/08/79-	18-	23-	12.1-	-	-	7.8-	35-	4-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	2-	2-	-1-	-	-	-	-	-	10.30
16-	45.0258-	114.5044-	2-	12-	0-	L16171-	07/08/79-	20-	21-	4.3-	-	-	8.0-	41-	2-	2-	7-	2-	6-	4-	3-	1-	1-	1-	3-	2-	1-	-1-	-	-	-	-	-	11.91
16-	45.0269-	114.5044-	2-	12-	0-	L16172-	07/08/79-	20-	22-	9.7-	-	-	7.8-	71-	3-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	12.52
16-	45.0244-	114.4886-	2-	12-	0-	L16173-	07/08/79-	21-	21-	10.9-	-	-	7.4-	62-	8-	2-	7-	1-	7-	4-	3-	1-	1-	1-	3-	-1-	-	-1-	-	-	-	-	-	49.52
16-	45.5414-	114.1142-	2-	11-	0-	L16174-	07/09/79-	15-	29-	10.1-	-	-	8.0-	18-	10-	1-	6-	5-	6-	2-	3-	1-	-4-	3-	4-	1-	-1-	-	-	-	-	-	-	5.10

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
30-45.5428-114.4028-2-12-	0-L16123	-5	5	-5	11	-20	-15	15	-10	-15	-5	-5	198	3	22
30-45.5789-114.4711-2-12-	0-L16124	-5	-5	-5	23	-20	-15	11	-10	-15	10	-5	800	2	17
30-45.6358-114.5050-2-12-	0-L16125	-5	7	-5	22	-20	-15	13	-10	-15	-5	-5	504	3	41
30-45.6361-114.5050-2-12-	0-L16126	-5	5	-5	13	-20	-15	11	-10	-15	9	-5	407	5	111
30-45.7250-114.3569-2-15-	0-L16127	-5	-5	-5	42	-20	34	17	-10	-15	11	-5	252	2	26
30-45.7078-114.3250-2-15-	0-L16128	-5	-5	-5	25	-20	32	-5	-10	-15	10	-5	249	3	38
30-45.7000-114.3589-2-15-	0-L16129	-5	-5	-5	16	-20	23	5	-10	-15	10	-5	282	2	35
30-45.7114-114.2728-2-15-	0-L16130	-5	5	-5	37	-20	31	6	-10	-15	15	-5	426	2	34
30-45.6842-114.2931-2-15-	0-L16131	-5	5	-5	47	-20	27	14	-10	-15	9	-5	300	2	34
30-45.6522-114.2919-2-15-	0-L16132	9	19	-5	13	-20	18	-5	10	94	26	-5	1495	2	31
30-45.6408-114.2903-2-15-	0-L16133	-5	5	-5	46	-20	38	14	-10	-15	11	-5	488	3	32
30-45.6000-114.3033-2-15-	0-L16134	-5	5	-5	39	-20	42	23	-10	-15	17	-5	264	2	48
30-45.6472-114.3078-2-15-	0-L16135	-5	-5	-5	19	-20	38	12	-10	-15	-5	-5	196	2	30
30-45.6778-114.3083-2-15-	0-L16136	-5	-5	-5	32	-20	30	9	-10	-15	8	-5	194	1	24
30-45.6842-114.3042-2-15-	0-L16137	-5	-5	-5	27	-20	30	13	-10	-15	5	-5	197	2	20
16-45.1078-114.1053-2-12-	0-L16138	-5	5	-5	25	-20	-15	8	-10	-15	8	-5	701	3	13
16-45.1392-114.1231-2-11-	0-L16139	-5	5	-5	30	-20	-15	-5	-10	-15	17	-5	428	3	15
16-45.1458-114.1203-2-12-	0-L16140	-5	5	-5	19	-20	-15	24	-10	-15	14	-5	474	2	12
16-45.1522-114.1228-2-12-	0-L16141	-5	6	-5	73	-20	-15	24	-10	-15	7	-5	444	1	7
16-45.1583-114.1700-2-12-	0-L16142	-5	5	-5	32	-20	16	7	-10	-15	19	-5	596	3	46
16-45.1678-114.1581-2-12-	0-L16143	-5	-5	-5	30	-20	-15	13	-10	-15	8	-5	680	2	15
16-45.1531-114.1783-2-15-	0-L16144	-5	8	-5	21	-20	-15	16	-10	-15	9	-5	599	4	27
16-45.1433-114.0342-2-11-	0-L16146	-5	-5	-5	27	-20	-15	-5	-10	-15	6	-5	260	3	14
16-45.0833-114.0447-2-12-	0-L16147	-5	7	-5	46	-20	-15	8	-10	16	17	-5	257	2	25
16-45.0808-114.0447-2-12-	0-L16148	-5	-5	-5	28	-20	-15	13	-10	-15	12	-5	226		
16-45.0539-114.0472-2-12-	0-L16149	-5	-5	-5	47	-20	30	7	-10	-15	13	-5	249	3	33
16-45.0556-114.0483-2-12-	0-L16150	-5	-5	-5	38	-20	25	10	-10	-15	6	-5	171	2	35
16-45.0767-114.0125-2-12-	0-L16151	-5	6	-5	25	-20	-15	12	-10	-15	13	-5	301	3	27
16-45.1114-114.0261-2-12-	0-L16152	-5	-5	-5	88	-20	21	11	-10	-15	42	-5	176	2	15
16-45.1097-114.0264-2-12-	0-L16153	-5	-5	-5	73	-20	18	-5	-10	-15	-5	-5	271	2	12
16-45.0181-114.0006-2-15-	0-L16154	-5	-5	-5	44	-20	44	9	-10	-15	5	-5	200	3	34
16-45.0158-114.0011-2-12-	0-L16155	-5	-5	-5	39	-20	15	5	-10	-15	9	-5	195	3	32
16-45.0144-114.0014-2-12-	0-L16156	-5	-5	-5	28	-20	64	6	-10	-15	6	-5	515	3	25
16-45.6150-114.0006-2-15-	0-L16157	-5	5	-5	20	-20	-15	9	-10	-15	8	-5	344	3	31
16-45.5050-114.0989-2-99-	0-L16158	-5	-5	-5	35	-20	-15	24	-10	-15	9	-5	158	2	24
16-45.5244-114.0929-2-11-	0-L16159	-5	-5	-5	11	-20	17	-5	-10	-15	8	-5	295	3	32
16-45.5536-114.1425-2-11-	0-L16160	-5	-5	-5	24	-20	-15	9	-10	-15	8	-5	139	1	8
16-45.5511-114.1336-2-11-	0-L16161	-5	-5	-5	29	-20	22	7	-10	-15	8	-5	412	3	35
16-45.5819-114.1194-2-11-	0-L16162	-5	-5	-5	19	-20	-15	-5	-10	-15	11	-5	447	3	36
16-45.0772-114.5261-2-12-	0-L16163	5	18	-5	-10	82	-15	-5	12	18	5	-5	2073	12	62
16-45.0783-114.5253-2-12-	0-L16164	-5	7	-5	-10	159	-15	-5	31	28	6	-5	2004	17	85
16-45.0778-114.5233-2-12-	0-L16165	-5	19	-5	11	77	-15	16	77	42	19	-5	654	36	128
16-45.0750-114.5158-2-12-	0-L16166	-5	12	-5	18	-20	-15	17	-10	-15	15	-5	609	27	50
16-45.0586-114.4897-2-12-	0-L16167	-5	6	-5	41	-20	20	58	25	16	-5	-5	493	10	32
16-45.0528-114.4794-2-12-	0-L16168	-5	-5	-5	26	-20	-15	-5	-10	-15	9	-5	237	2	73
16-45.0447-114.4756-2-12-	0-L16169	-5	5	-5	-10	88	-15	5	41	24	-5	-5	1248	18	76
16-45.0431-114.4736-2-12-	0-L16170	-5	-5	-5	-10	-20	-15	-5	-10	-15	10	-5	232	2	26
16-45.0259-114.5044-2-12-	0-L16171	-5	-5	-5	21	-20	-15	-5	-10	-15	7	-5	256	2	15
16-45.0269-114.5044-2-12-	0-L16172	-5	-5	-5	19	-20	-15	-5	-10	-15	-5	-5	441	4	41
16-45.0244-114.4886-2-12-	0-L16173	-5	6	-5	17	-20	-15	7	-10	-15	6	-5	577	16	72
16-45.5414-114.1142-2-11-	0-L16174	-5	-5	-5	14	-20	16	5	-10	-15	-5	-5	413	2	28

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
							Concentrations reported in weight parts per million (ppm)															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAB SAMPLE LOCATION NUMBER	Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
30-45.5428-114.4028-2-12-						0-L16123	73480	-0.04	1148	15420	240	-101	2.6	14	-0.9	5	1.6	8422	6.9	22630	119	0.2
30-45.5789-114.4711-2-12-						0-L16124	46910	-0.04	480	27740	104	-73	6.0	24	3.1	6	1.7	20940	28.2	16900	48	0.6
30-45.6359-114.5050-2-12-						0-L16125	73570	-0.05	816	18570	180	-111	10.2	40	3.5	8	2.2	23750	17.0	20850	85	0.5
30-45.6351-114.5050-2-12-						0-L16126	73700	-0.05	783	14010	196	-104	5.8	38	11.5	5	1.3	16150	15.9	24790	97	0.4
30-45.7250-114.3569-2-15-						0-L16127	68600	-0.06	642	11470	67	-94	17.2	98	5.5	5	1.4	33080	9.9	20300	35	0.4
30-45.7078-114.3250-2-15-						0-L16128	63330	-0.05	1124	24040	71	-83	18.0	259	2.8	3	1.6	38350	9.0	20170	35	0.3
30-45.7000-114.3589-2-15-						0-L16129	54580	-0.05	731	26470	62	-99	12.2	78	3.1	5	1.5	24000	11.0	14730	31	0.3
30-45.7114-114.2728-2-15-						0-L16130	42950	-0.03	-149	70160	112	-87	20.8	96	2.4	5	1.5	60900	17.1	11250	46	0.5
30-45.6842-114.2931-2-15-						0-L16131	52690	-0.06	557	40090	67	-95	27.1	97	3.8	5	1.4	52510	9.8	14340	33	0.4
30-45.6522-114.2919-2-15-						0-L16132	64210	-0.07	-167	28010	223	-127	19.8	165	2.9	7	2.4	89780	51.4	15900	106	0.9
30-45.6408-114.2903-2-15-						0-L16133	56800	-0.06	425	34320	118	-131	30.0	140	2.3	10	2.2	60800	18.0	9762	53	1.0
30-45.6000-114.3033-2-15-						0-L16134	55410	-0.06	864	32390	95	-71	17.8	157	5.1	4	1.4	32980	10.3	17910	40	0.4
30-45.6472-114.3078-2-15-						0-L16135	62990	-0.06	1076	22150	71	-84	16.2	232	3.8	3	1.3	33260	7.6	21800	32	0.2
30-45.6778-114.3083-2-15-						0-L16136	64810	-0.05	981	24010	65	-83	17.6	242	2.2	3	1.5	35970	6.7	21250	33	0.3
30-45.6842-114.3042-2-15-						0-L16137	62080	-0.05	973	23170	65	-97	17.1	229	2.7	4	1.6	35790	7.1	17120	30	0.2
16-45.1078-114.1053-2-12-						0-L16138	53770	-0.06	717	10920	93	248	7.4	53	5.4	9	1.6	20240	31.3	16780	44	0.8
16-45.1392-114.1231-2-11-						0-L16139	55140	-0.07	1391	6347	117	299	10.6	36	19.0	11	2.2	23760	18.9	28590	57	1.0
16-45.1458-114.1203-2-12-						0-L16140	50840	-0.06	754	5624	82	174	6.9	29	8.9	7	1.4	19440	20.8	21540	34	0.5
16-45.1522-114.1228-2-12-						0-L16141	31490	-0.06	522	3379	60	98	7.3	24	3.4	5	1.3	14420	19.4	16370	27	0.4
16-45.1583-114.1700-2-12-						0-L16142	72360	-0.09	539	20930	187	996	16.7	51	14.9	17	2.4	48910	25.8	25740	74	1.2
16-45.1678-114.1581-2-12-						0-L16143	52990	-0.06	913	9946	81	187	7.0	56	6.7	7	1.4	25240	29.2	17930	37	0.7
16-45.1531-114.1783-2-15-						0-L16144	33460	-0.07	452	18510	176	885	12.6	73	15.5	17	1.6	36880	27.2	25550	69	1.1
16-45.1433-114.0342-2-11-						0-L16145	50950	-0.08	920	14350	47	285	3.9	40	6.7	5	1.3	17740	9.2	18760	26	0.4
16-45.0833-114.0447-2-12-						0-L16147	72270	-0.08	870	16970	105	194	17.3	85	4.4	6	1.4	38670	8.7	28310	43	0.3
16-45.0808-114.0447-2-12-						0-L16148	50380	-0.07	829	15290	78	-127	13.6	86	16.1	4	1.4	23120	9.5	21690	34	0.4
16-45.0839-114.0472-2-12-						0-L16149	71330	-0.07	962	10450	94	238	11.6	70	5.7	6	1.6	34370	8.9	17520	44	0.4
16-45.0556-114.0483-2-12-						0-L16150	55260	-0.12	674	15250	126	296	13.0	119	4.1	10	1.7	38260	6.8	16630	56	0.5
16-45.0767-114.0125-2-12-						0-L16151	71230	-0.05	1108	15280	97	-87	13.5	81	7.2	6	1.4	30820	11.0	26020	43	0.4
16-45.1114-114.0261-2-12-						0-L16152	46290	-0.05	747	14070	75	-122	11.7	130	12.9	5	1.7	28710	8.3	11170	40	0.4
16-45.1097-114.0264-2-12-						0-L16153	38550	-0.05	541	22140	67	202	11.6	216	-2.4	6	1.4	32000	12.2	14910	23	0.4
16-45.0181-114.0006-2-15-						0-L16154	54860	-0.05	855	25690	89	-112	35.5	747	2.6	4	1.5	51620	5.6	20020	33	0.3
16-45.0158-114.0011-2-12-						0-L16155	68630	-0.05	770	27690	82	198	15.7	190	5.5	5	1.4	36630	6.7	20030	38	0.4
16-45.0144-114.0014-2-12-						0-L16156	64790	-0.05	939	33620	103	-98	22.1	1772	3.0	4	1.7	43790	20.1	19270	48	0.3
16-45.6150-114.0006-2-15-						0-L16157	73560	-0.06	989	18380	84	-102	9.8	76	4.6	5	1.5	30600	12.4	22880	39	0.3
16-45.5050-114.0989-2-99-						0-L16158	43110	-0.08	906	7442	50	-143	8.6	31	4.5	4	1.0	21460	6.4	-7331	20	0.3
16-45.5244-114.0928-2-11-						0-L16159	57060	-0.08	743	-646	58	-107	6.3	37	5.6	11	1.8	17730	12.8	14160	27	0.7
16-45.5536-114.1425-2-11-						0-L16160	37110	-0.06	-237	13190	45	283	6.2	25	4.2	3	0.8	15920	7.7	10300	21	0.3
16-45.5511-114.1336-2-11-						0-L16161	57210	-0.07	637	-1014	118	-98	11.2	94	9.1	6	1.5	32120	16.1	27100	43	0.5
16-45.5819-114.1194-2-11-						0-L16162	62580	-0.07	572	-1063	82	-120	9.3	50	3.5	6	1.1	29340	16.2	15360	29	0.6
16-45.0772-114.5261-2-12-						0-L16163	71750	-0.09	222	10750	674	-133	5.9	-14	3.5	30	1.5	31090	120.5	26590	300	3.2
16-45.0783-114.5253-2-12-						0-L16164	77500	-0.10	-191	8989	1011	-141	5.3	70	4.5	57	2.5	27580	127.8	23790	450	6.5
16-45.0778-114.5233-2-12-						0-L16165	75680	-0.07	-167	6369	214	-162	-1.6	42	6.3	36	1.2	18220	35.4	24250	108	4.1
16-45.0750-114.5158-2-12-						0-L16166	65810	-0.10	-184	12890	365	-135	3.1	37	3.3	37	1.7	16310	29.2	21290	215	3.4
16-45.0586-114.4897-2-12-						0-L16167	62880	-0.08	472	13310	161	263	13.1	71	9.0	17	1.1	33690	24.7	23140	72	1.7
16-45.0528-114.4794-2-12-						0-L16168	55200	-0.08	577	12550	83	394	7.4	34	16.7	10	1.7	20630	8.4	17720	51	0.5
16-45.0447-114.4756-2-12-						0-L16169	70710	-0.07	-140	9121	570	-140	4.5	38	5.1	37	2.3	20450	71.1	27630	254	3.8
16-45.0431-114.4736-2-12-						0-L16170	40500	-0.07	554	4314	68	119	9.8	38	12.1	6	1.1	15280	9.2	17770	29	0.4
16-45.0258-114.5044-2-12-						0-L16171	28920	-0.05	302	5098	39	164	4.1	34	3.5	4	0.9	12180	11.4	11570	24	0.3
16-45.0269-114.5044-2-12-						0-L16172	59040	-0.05	496	25360	118	557	8.8	67	6.0	7	1.3	25090	18.8	20590	57	0.5
16-45.0244-114.4886-2-12-						0-L16173	55840	-0.06	306	8736	372	-108	5.2	34	7.3	24	1.4	20760	43.1	23490	171	2.3
16-45.5414-114.1142-2-11-						0-L16174	51850	-0.10	382	5469	59	-126	6.2	33	-2.3	10	1.6	16550	16.8	17020	31	0.7

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER: STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
30-45.5428-114.4028-2-12-	0-L16123	2321	219	30160	65	-1	2.6	16.6	778	-1	1	31.8	1487	21	4.3	39	0.119
30-45.5789-114.4711-2-12-	0-L16124	10760	494	12210	57	2	5.8	7.3	-162	-1		13.6	2348	41	5.8	160	0.426
30-45.6358-114.5050-2-12-	0-L16125	5339	336	27540	75	-1	7.9	12.2	396	-1	1	23.8	2702	44	4.9	40	0.227
30-45.6361-114.5050-2-12-	0-L16126	5114	329	29930	132	-1	6.4	11.9	-225	2		33.9	2097	22	5.8	105	0.522
30-45.7250-114.3569-2-15-	0-L16127	14090	933	10200	93	-2	10.5	5.9	-273	-1	-1	10.2	3595	79	3.2		0.333
30-45.7078-114.3250-2-15-	0-L16128	11900	635	14920	85	-1	11.5	4.2	455	-1	-1	7.6	3309	108	2.7	134	0.316
30-45.7000-114.3589-2-15-	0-L16129	7311	608	14070	73	-1	8.3	5.0	-219	-1	-1	8.4	2623	69	3.6	110	0.357
30-45.7114-114.2728-2-15-	0-L16130	20140	1326	8860	-34	-2	15.3	7.9	-293	1	-1	16.5	4319	93	6.0	-37	0.218
30-45.6842-114.2931-2-15-	0-L16131	18340	1643	9824	90	-2	18.1	6.8	-319	-1	-1	10.1	4868	142	4.0	83	0.297
30-45.6522-114.2919-2-15-	0-L16132	10970	1625	22590	97	-2	15.3	13.1	-304	3	1	82.3	4709	160	10.9	124	0.232
30-45.6408-114.2903-2-15-	0-L16133	18830	1263	13330	90	-2	20.5	10.8	-334	-1	1	12.5	5139	116	9.3	82	0.248
30-45.6000-114.3033-2-15-	0-L16134	12530	684	9128	61	3	10.9	5.6	-218	-1	-1	10.8	3015	100	4.0	111	0.278
30-45.6472-114.3078-2-15-	0-L16135	11620	631	15020	71	-1	11.0	4.1	552	-1	-1	6.6	3428	100	2.9	61	0.348
30-45.6778-114.3083-2-15-	0-L16136	9813	627	15350	78	-1	11.3	4.3	427	-1		7.2	2994	100	2.8	120	0.306
30-45.6842-114.3042-2-15-	0-L16137	9745	607	14960	79	-1	11.3	4.7	506	-1	-1	6.7	2944	99	2.6	153	0.328
16-45.1078-114.1053-2-12-	0-L16138	4537	452	11400	76	-2	6.9	8.5	357	-1	-1	12.0	3415	45	7.8	75	0.456
16-45.1392-114.1231-2-11-	0-L16139	4711	1961	5094	155	-2	9.6	11.6	-362	-2	1	13.2	3465	49	10.1	83	0.311
16-45.1458-114.1203-2-12-	0-L16140	4041	627	6971	102	3	6.1	6.1	-228	-1	-1	11.6	2742	36	5.0	-48	0.408
16-45.1522-114.1228-2-12-	0-L16141	-1179	431	4796	-28	-1	4.3	6.0	-208	-1	-1	7.7	1440	19	5.0	-15	0.483
16-45.1583-114.1700-2-12-	0-L16142	9946	869	17050	149	-2	17.0	16.5	-310	3	1	26.2	10220	133	12.0	-52	0.245
16-45.1678-114.1581-2-12-	0-L16143	3755	590	9355	96	3	7.8	6.1	-209	-1	-1	11.3	3179	46	6.8	-34	0.447
16-45.1531-114.1783-2-15-	0-L16144	7514	700	21600	221	-2	12.7	15.4	-272	-2	1	29.9	4483	63	11.4	105	0.174
16-45.1433-114.0342-2-11-	0-L16146	3139	367	14310	157	-2	6.6	4.0	-281	-1	-1	7.1	2632	35	3.5	-44	0.530
16-45.0833-114.0447-2-12-	0-L16147	7209	715	11180	117	-2	13.2	8.4	-263	-1	-1	13.4	4736	89	4.4	-22	0.401
16-45.0808-114.0447-2-12-	0-L16148	-2211	1827	11530	-24	-3	8.0	5.4	-387	-2	-1	8.6	2763	57	4.5	151	1.085
16-45.0539-114.0472-2-12-	0-L16149	7132	1014	14100	123	-2	10.1	8.3	-330	-1	-1	12.5	3660	53	3.9	190	0.319
16-45.0556-114.0483-2-12-	0-L16150	6125	659	9872	-47	-3	12.4	9.5	-324	-2	-1	10.7	3957	75	5.4	89	0.426
16-45.0767-114.0125-2-12-	0-L16151	6377	746	12220	133	-2	10.9	5.8	-262	-1	-1	11.6	4845	77	4.4	69	0.576
16-45.1114-114.0261-2-12-	0-L16152	5346	2468	4358	101	-3	7.9	6.6	-494	-2	-1	9.4	-1133	50	3.3	93	0.645
16-45.1097-114.0264-2-12-	0-L16153	10300	833	4416	-48	-2	12.8	6.2	-322	-2	-1	7.0	2905	74	-1.7	-125	0.420
16-45.0181-114.0006-2-15-	0-L16154	18520	1200	12750	118	-2	17.0	6.2	-369	-2	-1	10.3	3942	91	-2.1	-50	0.279
16-45.0158-114.0011-2-12-	0-L16155	11510	689	16050	125	-2	14.3	7.3	608	-2	-1	9.0	4053	81	3.4	-45	1.462
16-45.0144-114.0014-2-12-	0-L16156	20190	827	14910	96	-2	17.2	7.4	-229	-1	-1	12.4	5530	114	4.6	147	0.424
16-45.6150-114.0006-2-15-	0-L16157	7248	762	11690	110	-2	9.6	6.4	-248	2	-1	12.3	4653	76	4.0	96	0.344
16-45.5050-114.0989-2-99-	0-L16158	-3119	2768	10220	-38	-2	7.2	3.7	-629	-1	-1	6.7	2859	40	2.4	224	0.331
16-45.5244-114.0928-2-11-	0-L16159	5912	232	13190	-36	-2	8.7	8.4	-257	-2	-1	12.2	3057	44	6.9	78	0.628
16-45.5536-114.1425-2-11-	0-L16160	-2475	2037	9229	-31	-2	5.3	3.4	-435	-1		7.1	2255	29	-1.1	-71	0.262
16-45.5511-114.1336-2-11-	0-L16161	6878	832	8158	173	4	11.7	8.3	-281	-2	-1	16.4	5052	67	5.6	107	0.363
16-45.5819-114.1194-2-11-	0-L16162	5947	1006	19310	117	-2	9.1	5.0	-338	-1	-1	10.6	4169	62	4.4	71	0.401
16-45.0772-114.5261-2-12-	0-L16163	-2286	992	25970	127	-2	7.3	49.3	-347	15	3	223.2	6034	35	32.4		0.365
16-45.0783-114.5253-2-12-	0-L16164	-2308	919	27040	203	-2	5.8	79.1	-305	41	6	724.0	3684	47	55.3		0.249
16-45.0778-114.5233-2-12-	0-L16165	-2586	705	28540	293	-2	4.3	35.9	-328	27	3	137.5	2030	21	42.1	-179	0.757
16-45.0750-114.5158-2-12-	0-L16166	-2446	393	21980	163	-2	5.0	41.6	-328	8	3	96.2	1910	25	28.8	84	2.690
16-45.0586-114.4897-2-12-	0-L16167	7605	768	14760	149	-2	10.4	17.5	-318	7	1	51.7	4653	67	16.4	172	0.625
16-45.0528-114.4794-2-12-	0-L16168	5998	500	16990	-37	-2	8.3	12.0	-263	-2	-1	11.7	2591	46	6.3	62	2.087
16-45.0447-114.4756-2-12-	0-L16169	-2208	594	28260	203	-2	6.1	42.7	-271	24	3	193.1	3905	28	34.9	96	0.415
16-45.0431-114.4736-2-12-	0-L16170	4323	142	7435	101	-2	6.2	6.7	-163	-1	-1	7.2	2848	41	3.7	-34	1.431
16-45.0258-114.5044-2-12-	0-L16171	2896	266	5232	-19	-1	4.2	4.6	-156	-1		5.2	2781	29	2.7	-25	2.290
16-45.0269-114.5044-2-12-	0-L16172	8778	375	18770	109	-2	11.5	8.3	-202	-2	-1	19.4	3753	67	6.8	72	0.645
16-45.0244-114.4886-2-12-	0-L16173	3889	488	24530	229	-2	6.5	29.6	-241	14	2	109.0	3064	25	22.7		0.454
16-45.5414-114.1142-2-11-	0-L16174	4750	266	15950	-40	-3	7.9	7.6	-299	-2	-1	8.4	2831	40	6.5		0.607

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

(1)

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																										U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU,ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.5244-	114.1258-	2-	11-	0-	L16175-	07/09/79-	17-	25-	5.7-	-	-	8.0-	15-	11-1-6-5-6-3-3-1-	-4-	3-	4-	1-	-1-	-	-	-	-	4.59
16-	45.5058-	114.1519-	2-	12-	0-	L16176-	07/09/79-	19-	24-	9.4-	-	-	7.1-	49-	12-1-6-3-6-3-3-1-	2-	1-	4-	4-	1-	-1-	-	-	-	28.87
16-	45.5044-	114.1553-	2-	12-	0-	L16177-	07/09/79-	19-	25-	9.4-	-	-	7.2-	43-	10-1-6-2-6-4-3-1-	2-	1-	4-	4-	1-	-1-	-	-	-	17.82
16-	45.5025-	114.1531-	2-	15-	0-	L16178-	07/09/79-	19-	25-	-	-	-	-	-	16-1-6-2-1-	-1-	-2-	1-	4-	4-	1-	-1-	-	-	-	23.41
16-	45.5022-	114.1486-	2-	11-	0-	L16179-	07/09/79-	19-	25-	14.6-	-	-	7.2-	223-	25-1-6-5-1-2-2-1-	-1-	4-	4-	1-	-1-	-	-	-	-	8.22
16-	45.5011-	114.1436-	2-	12-	0-	L16180-	07/09/79-	19-	25-	9.8-	-	-	7.6-	42-	16-1-6-3-1-3-3-1-	2-	1-	4-	4-	1-	-1-	-	-	-	18.85
16-	45.4875-	114.1431-	2-	11-	0-	L16181-	07/09/79-	20-	24-	6.4-	-	-	7.6-	42-	12-1-6-3-1-3-3-1-	-1-	4-	4-	1-	-1-	-	-	-	-	35.72
16-	45.1175-	114.4992-	2-	12-	0-	L16182-	07/10/79-	11-	24-	9.4-	-	-	8.0-	15-	33-1-6-3-1-3-3-1-	2-	1-	4-	4-	1-	-1-	-	-	-	137.60
16-	45.6200-	114.0658-	2-	11-	0-	L16183-	07/09/79-	14-	22-	4.1-	-	-	8.0-	29-	2-2-7-5-6-3-3-1-	-1-	3-	5-	2-	-1-	-	-	-	-	6.92
16-	45.6244-	114.0314-	2-	12-	0-	L16184-	07/09/79-	15-	22-	3.4-	-	-	8.1-	24-	5-2-7-2-6-4-3-1-	2-	1-	4-	2-	2-	-1-	-	-	-	10.35
16-	45.6269-	114.0308-	2-	12-	0-	L16185-	07/09/79-	16-	22-	8.1-	-	-	7.9-	33-	6-2-7-2-7-4-3-1-	2-	1-	4-	3-	2-	-1-	-	-	-	12.76
16-	45.6247-	114.0175-	2-	12-	0-	L16186-	07/09/79-	16-	22-	10.1-	-	-	8.0-	31-	2-2-7-2-7-3-3-1-	2-	1-	3-	3-	1-	-1-	-	-	-	18.72
16-	44.6150-	114.0003-	2-	12-	0-	L16187-	07/09/79-	17-	22-	9.0-	-	-	7.8-	27-	4-2-7-1-7-4-3-1-	2-	1-	3-	3-	1-	-1-	-	-	-	11.78
16-	45.3044-	114.4097-	2-	15-	0-	L16188-	07/10/79-	13-	24-	-	-	-	-	-	10-4-7-5-6-	-1-	-2-	1-	3-	3-	1-	-	-	-	6.35
16-	45.2869-	114.4544-	2-	12-	0-	L16189-	07/10/79-	14-	24-	9.6-	-	-	8.1-	32-	4-2-7-2-6-3-3-1-	1-	1-	3-	3-	1-	-1-	-	-	-	12.11
16-	45.2872-	114.4517-	2-	12-	0-	L16190-	07/10/79-	15-	25-	9.9-	-	-	7.7-	121-	1-2-7-2-7-3-3-1-	1-	1-	4-	3-	1-	-1-	-	-	-	20.46
16-	45.2672-	114.4447-	2-	11-	0-	L16191-	07/10/79-	17-	24-	6.0-	0-	-	7.7-	5-	9-4-9-5-8-3-3-1-	-1-	3-	3-	1-	-1-	-	-	-	-	32.44
16-	45.2719-	114.4139-	2-	11-	0-	L16192-	07/10/79-	18-	23-	21.1-	0-	-	7.8-	531-	2-2-7-5-8-1-2-2-	-1-	3-	3-	1-	-8-	-	-	-	-	10.62
16-	45.2856-	114.3803-	2-	11-	0-	L16193-	07/10/79-	19-	21-	9.1-	-	-	8.3-	222-	1-2-7-5-6-2-3-1-	-2-	3-	3-	1-	-1-	-	-	-	-	20.70
16-	45.2925-	114.3553-	2-	12-	0-	L16194-	07/10/79-	21-	20-	14.5-	-	-	8.6-	29-	4-2-7-2-7-4-3-1-	2-	2-	3-	3-	1-	-1-	-	-	-	12.75
16-	45.2022-	115.8133-	2-	12-	0-	L16195-	07/15/79-	12-	27-	7.5-	-	-	8.1-	8-	3-2-7-1-7-4-3-1-	1-	1-	3-	3-	1-	-1-	-	-	-	2.18
16-	45.1933-	115.8208-	2-	12-	0-	L16196-	07/15/79-	13-	26-	9.2-	-	-	9.0-	15-	2-2-7-2-7-3-3-1-	1-	1-	3-	3-	1-	-1-	-	-	-	9.98
16-	45.1700-	115.8094-	2-	12-	0-	L16197-	07/15/79-	14-	27-	17.9-	-	-	8.2-	6-	1-2-7-2-6-4-3-1-	2-	1-	3-	3-	1-	-1-	-	-	-	9.35
16-	45.1678-	115.8061-	2-	12-	0-	L16198-	07/15/79-	14-	28-	9.1-	-	-	8.0-	16-	8-2-7-2-6-3-3-1-	1-	1-	3-	3-	1-	-1-	-	-	-	7.02
16-	45.1569-	115.7983-	2-	12-	0-	L16199-	07/15/79-	15-	27-	10.1-	-	-	8.1-	11-	5-2-7-1-7-3-3-1-	2-	1-	3-	3-	1-	-1-	-	-	-	6.43
16-	45.1503-	115.7942-	2-	12-	0-	L16200-	07/15/79-	16-	28-	10.5-	-	-	8.2-	8-	3-2-6-2-6-3-3-1-	2-	1-	3-	3-	1-	-1-	-	-	-	6.04
16-	45.1481-	115.8039-	2-	12-	0-	L16201-	07/15/79-	17-	27-	12.1-	-	-	8.0-	5-	4-2-7-1-7-4-3-1-	2-	1-	3-	3-	1-	-1-	-	-	-	11.29
16-	45.1464-	115.7986-	2-	12-	0-	L16202-	07/15/79-	17-	26-	12.0-	-	-	8.0-	6-	3-2-7-1-7-4-3-1-	2-	1-	3-	3-	1-	-1-	-	-	-	14.42
16-	45.1461-	115.7969-	2-	12-	0-	L16203-	07/15/79-	17-	26-	10.8-	-	-	7.9-	12-	15-2-7-2-6-4-3-1-	1-	1-	3-	3-	1-	-1-	-	-	-	4.20
16-	45.1319-	115.7789-	2-	12-	0-	L16204-	07/15/79-	19-	25-	11.9-	-	-	8.0-	12-	6-2-7-1-7-4-3-1-	2-	1-	3-	3-	1-	-1-	-	-	-	6.63
16-	45.1211-	115.7636-	2-	12-	0-	L16205-	07/15/79-	20-	25-	11.4-	-	-	8.1-	19-	5-	-2-	1-	3-	3-	1-	-2-	1-	3-	3-	12.06
16-	45.0261-	115.6222-	2-	12-	0-	L16206-	07/16/79-	16-	31-	11.0-	-	-	7.3-	80-	5-2-7-2-7-3-3-1-	1-	1-	3-	3-	1-	-1-	-	-	-	23.87
16-	45.0275-	115.6233-	2-	12-	0-	L16207-	07/16/79-	16-	31-	12.1-	-	-	7.4-	60-	2-2-7-2-7-2-3-1-	1-	1-	3-	3-	1-	-1-	-	-	-	36.12
16-	45.0367-	115.6194-	2-	12-	0-	L16208-	07/16/79-	17-	31-	11.5-	-	-	7.6-	40-	11-2-7-1-7-3-3-1-	1-	1-	3-	3-	1-	-1-	-	-	-	11.30
16-	45.0444-	115.6256-	2-	12-	0-	L16209-	07/16/79-	18-	29-	11.5-	-	-	7.5-	42-	3-2-7-1-7-4-3-1-	2-	1-	3-	3-	1-	-1-	-	-	-	15.36
16-	45.0419-	115.6258-	2-	12-	0-	L16210-	07/16/79-	18-	27-	10.8-	-	-	7.4-	70-	5-2-7-2-7-3-3-1-	1-	1-	3-	3-	1-	-1-	-	-	-	25.65
16-	45.0364-	115.4806-	2-	12-	0-	L16211-	07/17/79-	15-	28-	12.3-	-	-	8.6-	9-	3-2-7-1-7-4-3-1-	2-	1-	4-	3-	1-	-1-	-	-	-	14.67
16-	45.0361-	115.4800-	2-	12-	0-	L16212-	07/17/79-	16-	24-	11.8-	-	-	8.3-	13-	3-2-7-1-7-4-3-1-	1-	1-	4-	3-	1-	-1-	-	-	-	22.86
16-	45.5158-	114.0103-	2-	12-	0-	L16213-	07/09/79-	12-	24-	11.4-	-	-	8.0-	309-	10-4-1-5-8-3-3-1-	2-	1-	3-	4-	2-	-1-	-	-	-	5.84
16-	45.5372-	114.0544-	2-	12-	0-	L16214-	07/09/79-	12-	24-	10.5-	-	-	8.0-	17-	12-4-1-5-8-3-2-1-	2-	2-	3-	4-	2-	-1-	-	-	-	22.48
16-	45.5367-	114.0569-	2-	12-	0-	L16215-	07/09/79-	13-	24-	10.5-	-	-	7.8-	10-	12-4-1-2-6-3-3-1-	2-	2-	3-	4-	2-	-1-	-	-	-	9.11
16-	45.5192-	114.0342-	2-	12-	0-	L16216-	07/09/79-	13-	26-	14.2-	-	-	7.8-	84-	9-2-1-3-6-3-3-1-	2-	1-	3-	4-	2-	-1-	-	-	-	12.66
16-	45.5219-	114.0319-	2-	12-	0-	L16217-	07/09/79-	14-	26-	14.9-	-	-	7.5-	53-	10-2-1-5-8-3-3-1-	2-	1-	2-	4-	2-	-1-	-	-	-	17.83
16-	45.5133-	114.0067-	2-	12-	0-	L16218-	07/09/79-	14-	26-	14.9-	-	-	7.8-	35-	10-2-1-2-6-3-3-1-	2-	1-	3-	4-	2-	-1-	-	-	-	9.49
16-	45.5567-	114.0061-	2-	11-	0-	L16219-	07/09/79-	14-	25-	13.2-	-	-	8.0-	6-	6-2-1-5-8-3-3-1-	-1-	3-	4-	2-	-1-	-	-	-	-	9.56
16-	45.5486-	114.0008-	2-	12-	0-	L16220-	07/09/79-	15-	25-	15.4-	-	-	7.6-	52-	5-4-1-3-6-3-2-1-	2-	1-	3-	4-	2-	-1-	-	-	-	11.56
16-	45.3056-	114.5153-	2-	12-	0-	L16221-	07/10/79-	13-	24-	14.1-	-	-	8.3-	255-	10-2-1-5-8-3-3-1-	2-	1-	2-	5-	1-	-1-	-	-	-	10.75
16-	45.3031-	114.5167-	2-	12-	0-	L16222-	07/10/79-	13-	24-	11.6-	0-	-	8.3-	30-	18-4-1-2-6-4-3-1-	2-	1-	2-	5-	1-	-1-	-	-	-	32.97
16-	45.3017-	114.5314-	2-	12-	0-	L16223-	07/10/79-	13-	24-	13.1-	-	-	8.2-	51-	19-4-1-2-6-4-3-1-	2-	1-	2-	5-	1-	-1-	-	-	-	15.44
16-	45.3031-	114.5386-	2-	12-	0-	L16224-	07/10/79-	14-	24-	11.1-	-	-	7.9-	56-	15-4-1-5-8-3-3-1-	2-	2-	3-	5-	2-	-1-	-	-	-	101.00
16-	45.3003-	114.5803-	2-	12-	0-	L16225-	07/10/79-	14-	24-	14.9-	-	-	7.9-	101-	26-2-1-2-6-4-3-1-	2-	1-	2-	5-	1-	-1-	-	-	-	10.96

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.5244-	114.1258-	2-	11-	0-	L16175	-5	-5	-5	49	-20	22	6	-10	-15	12	-5	411	3	36
16-	45.5058-	114.1519-	2-	12-	0-	L16176	-5	-5	-5	19	-20	-15	-5	-10	-15	-5	-5	397	3	24
16-	45.5044-	114.1553-	2-	12-	0-	L16177	-5	-5	-5	26	-20	-15	-5	-10	-15	13	-5	409	3	48
16-	45.5025-	114.1531-	2-	15-	0-	L16178	5	-5	-5	72	-20	22	9	-10	-15	18	-5	211	3	45
16-	45.5022-	114.1486-	2-	11-	0-	L16179	-5	-5	-5	25	-20	18	-5	-10	-15	6	-5	278	3	36
16-	45.5011-	114.1436-	2-	12-	0-	L16180	-5	5	-5	11	-20	-15	-5	-10	-15	7	-5	396	3	22
16-	45.4875-	114.1431-	2-	11-	0-	L16181	-5	-5	-5	31	-20	-15	-5	-10	-15	8	-5	347	3	28
16-	45.1175-	114.4992-	2-	12-	0-	L16182	-5	8	-5	13	-20	-15	15	-10	-15	17	-5	221	13	50
16-	45.6200-	114.0658-	2-	11-	0-	L16183	-5	-5	-5	18	-20	-15	11	-10	-15	8	-5	295	3	61
16-	45.6244-	114.0314-	2-	12-	0-	L16184	-5	-5	-5	11	-20	-15	-5	-10	-15	-5	-5	608	2	21
16-	45.6269-	114.0308-	2-	12-	0-	L16185	-5	-5	-5	14	-20	-15	6	-10	-15	-5	-5	375	2	38
16-	45.6247-	114.0175-	2-	12-	0-	L16186	-5	-5	-5	19	-20	-15	12	-10	-15	6	-5	330	2	41
16-	44.6150-	114.0003-	2-	12-	0-	L16187	-5	-5	-5	12	-20	-15	-5	-10	-15	5	-5	356	3	29
16-	45.3044-	114.4097-	2-	15-	0-	L16188	-5	-5	-5	19	-20	-15	-5	-10	-15	10	-5	374	2	49
16-	45.2869-	114.4544-	2-	12-	0-	L16189	-5	-5	-5	25	-20	-15	-5	-10	-15	17	-5	507	3	29
16-	45.2872-	114.4517-	2-	12-	0-	L16190	13	8	6	-10	87	-15	-5	-10	59	23	-5	2987	2	23
16-	45.2672-	114.4447-	2-	11-	0-	L16191	-5	-5	-5	35	-20	-15	-5	-10	-15	12	-5	189	1	13
16-	45.2719-	114.4139-	2-	11-	0-	L16192	-5	-5	-5	42	-20	18	-5	-10	-15	-5	-5	552	3	48
16-	45.2856-	114.3803-	2-	11-	0-	L16193	8	-5	-5	-10	-20	-15	-5	-10	-15	23	-5	1835	3	33
16-	45.2925-	114.3553-	2-	12-	0-	L16194	5	8	-5	11	-20	-15	-5	-10	-15	10	-5	663	4	31
16-	45.2022-	115.8133-	2-	12-	0-	L16195	-5	-5	-5	13	-20	-15	15	-10	-15	5	-5	112	4	40
16-	45.1933-	115.8208-	2-	12-	0-	L16196	-5	-5	-5	17	-20	-15	7	-10	-15	13	-5	152	4	56
16-	45.1700-	115.8094-	2-	12-	0-	L16197	-5	5	-5	11	-20	-15	8	-10	-15	17	-5	266	5	27
16-	45.1678-	115.8061-	2-	12-	0-	L16198	-5	6	-5	11	-20	-15	12	-10	-15	10	-5	206	4	46
16-	45.1569-	115.7983-	2-	12-	0-	L16199	-5	5	-5	17	-20	-15	14	-10	-15	13	-5	195	4	47
16-	45.1503-	115.7942-	2-	12-	0-	L16200	-5	13	-5	-10	-20	-15	8	-10	23	11	-5	338	4	37
16-	45.1481-	115.8039-	2-	12-	0-	L16201	-5	-5	-5	-10	-20	-15	11	-10	-15	12	-5	222	3	37
16-	45.1464-	115.7986-	2-	12-	0-	L16202	-5	7	-5	12	-20	-15	9	-10	-15	27	-5	311	3	27
16-	45.1461-	115.7969-	2-	12-	0-	L16203	-5	5	-5	12	-20	-15	17	-10	-15	5	-5	192	3	34
16-	45.1319-	115.7789-	2-	12-	0-	L16204	-5	5	-5	14	-20	-15	12	-10	-15	7	-5	182	4	35
16-	45.1211-	115.7636-	2-	12-	0-	L16205	-5	7	-5	14	-20	-15	8	-10	-15	12	-5	229	4	39
16-	45.0251-	115.6222-	2-	12-	0-	L16206	-5	5	-5	-10	-20	-15	12	-10	-15	28	-5	178	5	55
16-	45.0275-	115.6233-	2-	12-	0-	L16207	-5	-5	-5	10	-20	-15	14	-10	-15	25	-5	176	5	81
16-	45.0357-	115.6194-	2-	12-	0-	L16208	-5	-5	-5	15	-20	-15	11	-10	-15	11	-5	200	4	33
16-	45.0444-	115.6256-	2-	12-	0-	L16209	-5	-5	-5	10	-20	-15	16	-10	-15	14	-5	133	4	57
16-	45.0419-	115.6258-	2-	12-	0-	L16210	-5	-5	-5	15	-20	-15	16	-10	-15	9	-5	154	6	71
16-	45.0364-	115.4806-	2-	12-	0-	L16211	-5	6	-5	23	-20	-15	13	-10	-15	8	-5	410	2	46
16-	45.0361-	115.4800-	2-	12-	0-	L16212	-5	-5	-5	-10	-20	-15	24	-10	-15	24	-5	143	5	41
16-	45.5158-	114.0103-	2-	12-	0-	L16213	-5	-5	-5	19	-20	-15	8	-10	-15	-5	-5	430	3	27
16-	45.5372-	114.0544-	2-	12-	0-	L16214	-5	-5	-5	-10	-20	16	5	-10	-15	-5	-5	240	2	13
16-	45.5367-	114.0569-	2-	12-	0-	L16215	-5	-5	-5	-10	-20	16	-5	-10	-15	5	-5	354	2	21
16-	45.5192-	114.0342-	2-	12-	0-	L16216	-5	-5	-5	31	-20	-15	-5	-10	-15	5	-5	368	3	41
16-	45.5219-	114.0319-	2-	12-	0-	L16217	-5	-5	-5	-10	-20	-15	-5	-10	-15	7	-5	554	2	31
16-	45.5133-	114.0067-	2-	12-	0-	L16218	-5	-5	-5	11	-20	20	-5	-10	-15	-5	-5	408	3	22
16-	45.5567-	114.0041-	2-	11-	0-	L16219	-5	-5	-5	34	-20	-15	15	-10	-15	7	-5	320	3	41
16-	45.5485-	114.0008-	2-	12-	0-	L16220	-5	-5	-5	22	-20	20	11	-10	-15	6	-5	480	2	25
16-	45.3055-	114.5153-	2-	12-	0-	L16221	-5	-5	-5	16	-20	21	-5	-10	-15	15	-5	929	4	40
16-	45.3031-	114.5167-	2-	12-	0-	L16222	-5	-5	-5	30	-20	26	-5	-10	-15	18	-5	874	3	41
16-	45.3017-	114.5314-	2-	12-	0-	L16223	5	-5	-5	30	-20	36	12	-10	15	-5	-5	1307	3	45
16-	45.3031-	114.5386-	2-	12-	0-	L16224	-5	-5	-5	53	-20	29	-5	-10	-15	45	5	316	1	45
16-	45.3003-	114.5803-	2-	12-	0-	L16225	7	6	-5	38	-20	15	15	-10	-15	23	-5	766	3	42

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.5244-	114.1258-	2-	11-	0-	L16175	50040	-0.07	440	3962	89	-121	10.2	50	4.3	6	1.4	32040	15.9	14550	36	0.5
16-	45.5058-	114.1519-	2-	12-	0-	L16176	55910	-0.07	650	5731	69	-106	6.9	51	5.1	6	1.2	25090	15.4	18040	39	0.5
16-	45.5044-	114.1553-	2-	12-	0-	L16177	58450	-0.07	668	11790	98	248	9.7	53	5.1	10	1.5	29030	16.7	22450	48	0.8
16-	45.5025-	114.1531-	2-	15-	0-	L16178	65940	-0.09	511	11020	134	202	9.3	34	8.6	15	3.5	29570	8.9	19260	119	1.1
16-	45.5022-	114.1486-	2-	11-	0-	L16179	76530	-0.08	751	13940	83	385	9.8	48	6.4	6	1.4	27930	10.5	25730	33	0.4
16-	45.5011-	114.1436-	2-	12-	0-	L16180	53400	-0.07	724	5669	68	-110	5.6	50	4.6	8	1.3	24280	15.1	17750	35	0.6
16-	45.4875-	114.1431-	2-	11-	0-	L16181	61350	-0.09	930	10410	100	365	8.2	50	5.5	10	1.4	28600	14.5	22550	54	0.6
16-	45.1175-	114.4992-	2-	12-	0-	L16182	54330	-0.10	-264	7367	158	-142	4.7	-16	5.8	36	1.2	17040	18.7	16860	98	3.2
16-	45.6200-	114.0658-	2-	11-	0-	L16183	62600	-0.08	1092	8520	55	254	7.7	50	19.5	6	1.5	24900	11.1	21990	31	0.4
16-	45.6244-	114.0314-	2-	12-	0-	L16184	38840	-0.05	846	3941	46	-70	3.8	28	6.8	4	1.3	16350	25.3	16430	24	0.4
16-	45.6269-	114.0308-	2-	12-	0-	L16185	42880	-0.06	2119	7232	50	-90	4.2	34	22.4	5	1.9	17110	13.9	19220	29	0.4
16-	45.6247-	114.0175-	2-	12-	0-	L16186	43990	-0.08	565	7849	59	-72	3.9	42	31.1	6	1.4	18090	14.8	15840	32	0.4
16-	44.6150-	114.0003-	2-	12-	0-	L16187	39460	-0.05	1077	4175	48	-66	3.2	34	12.7	4	0.7	15980	15.6	19770	27	0.3
16-	45.3044-	114.4697-	2-	15-	0-	L16188	66920	-0.07	1452	17050	165	225	11.0	55	6.1	12	2.1	43830	16.1	37180	69	0.8
16-	45.2869-	114.4544-	2-	12-	0-	L16189	63070	-0.08	898	13400	177	309	14.4	51	5.2	13	2.3	37030	25.5	29500	76	0.8
16-	45.2872-	114.4517-	2-	12-	0-	L16190	59930	-0.11	432	35360	434	968	16.6	47	-2.5	31	4.7	79930	135.9	14870	184	3.2
16-	45.2672-	114.4447-	2-	11-	0-	L16191	37830	-0.13	750	24380	139	770	15.1	-17	-3.2	14	4.0	79910	7.3	13600	96	0.7
16-	45.2719-	114.4139-	2-	11-	0-	L16192	63410	-0.10	949	29550	186	823	14.1	41	4.4	18	3.6	68180	18.3	20710	84	0.9
16-	45.2856-	114.3803-	2-	11-	0-	L16193	58620	-0.10	-267	22610	237	425	11.7	-14	5.6	24	3.2	67310	70.3	24320	97	1.9
16-	45.2925-	114.3553-	2-	12-	0-	L16194	57220	-0.06	513	11940	287	271	6.6	29	3.2	17	1.5	27050	32.1	21550	126	1.4
16-	45.2022-	115.8133-	2-	12-	0-	L16195	98540	-0.03	700	20550	99	-130	1.6	9	1.2	5	0.9	6703	5.3	18860	46	0.3
16-	45.1933-	115.8208-	2-	12-	0-	L16196	96990	-0.06	605	19320	208	-147	5.8	20	3.1	9	1.5	22990	6.2	17330	98	0.6
16-	45.1700-	115.8094-	2-	12-	0-	L16197	82200	-0.05	741	19070	339	-157	3.0	12	1.3	11	0.9	9700	13.5	19860	165	0.5
16-	45.1678-	115.8061-	2-	12-	0-	L16198	96530	-0.07	421	23860	387	-155	2.6	21	-1.7	12	1.3	14250	9.3	13000	180	0.6
16-	45.1569-	115.7983-	2-	12-	0-	L16199	97940	-0.07	721	23520	379	-152	4.3	26	2.4	13	1.7	14900	10.3	17940	179	0.7
16-	45.1503-	115.7942-	2-	12-	0-	L16200	99060	0.05	716	25410	646	-138	3.7	-8	1.7	15	1.4	10500	12.8	16270	314	0.8
16-	45.1481-	115.8039-	2-	12-	0-	L16201	72940	-0.07	1104	19670	207	-165	5.1	42	-1.6	8	0.7	11260	9.8	16350	108	0.3
16-	45.1464-	115.7986-	2-	12-	0-	L16202	72690	-0.09	798	17010	374	-155	6.1	53	-2.1	12	1.3	15680	14.7	16270	186	0.6
16-	45.1461-	115.7969-	2-	12-	0-	L16203	91840	-0.05	958	22580	312	-133	-1.2	-7	-1.1	8	1.4	10630	9.9	17460	151	0.4
16-	45.1319-	115.7789-	2-	12-	0-	L16204	95610	-0.06	630	23560	308	-166	-1.6	-8	2.6	8	1.6	10910	7.7	13120	150	0.3
16-	45.1211-	115.7636-	2-	12-	0-	L16205	85580	-0.06	738	23870	255	-139	5.2	-9	-1.5	8	1.6	14320	8.2	14350	130	0.5
16-	45.0261-	115.6222-	2-	12-	0-	L16206	87030	-0.04	620	16320	153	-128	1.9	-7	3.3	16	1.2	11100	7.1	21670	71	1.1
16-	45.0275-	115.6233-	2-	12-	0-	L16207	90500	-0.05	747	19090	151	-144	2.5	-8	4.5	13	1.3	13120	6.0	19510	71	0.8
16-	45.0367-	115.6194-	2-	12-	0-	L16208	78600	-0.04	599	15070	103	-140	3.0	28	2.6	13	1.1	12820	6.8	20780	46	0.8
16-	45.0444-	115.6256-	2-	12-	0-	L16209	87940	-0.05	593	15110	113	-141	2.4	20	3.9	9	0.9	12760	6.0	24440	47	0.6
16-	45.0419-	115.6258-	2-	12-	0-	L16210	87190	-0.04	495	16530	106	-137	1.9	-7	3.5	12	0.8	9791	6.3	22120	55	0.8
16-	45.0364-	115.4806-	2-	12-	0-	L16211	75330	-0.07	909	24400	117	297	7.3	48	2.6	9	1.4	23230	17.5	14800	56	0.5
16-	45.0361-	115.4800-	2-	12-	0-	L16212	80540	-0.05	549	11710	79	-148	4.3	20	2.8	8	1.0	17420	5.2	21290	43	0.5
16-	45.5158-	114.0103-	2-	12-	0-	L16213	50660	-0.07	1087	12200	70	-82	6.3	42	5.2	7	1.3	20180	16.0	22330	34	0.4
16-	45.5372-	114.0544-	2-	12-	0-	L16214	41640	-0.07	1262	6398	46	-76	4.1	30	3.0	6	0.9	15350	11.6	14390	32	0.3
16-	45.5367-	114.0569-	2-	12-	0-	L16215	40520	-0.04	786	4119	55	-68	4.8	29	2.5	5	1.2	21160	15.8	16970	26	0.5
16-	45.5192-	114.0342-	2-	12-	0-	L16216	54720	-0.06	761	6267	70	-103	6.3	46	4.6	7	0.9	23220	15.7	21860	33	0.5
16-	45.5219-	114.0319-	2-	12-	0-	L16217	56180	-0.07	1052	5780	92	-88	5.0	41	4.9	6	1.4	24660	20.8	19530	38	0.6
16-	45.5133-	114.0067-	2-	12-	0-	L16218	53160	0.14	796	4621	76	-81	6.5	39	4.8	7	1.4	21740	15.3	18630	32	0.5
16-	45.5567-	114.0061-	2-	11-	0-	L16219	67120	-0.06	1704	8931	80	171	6.5	43	5.1	8	2.0	22110	11.1	19450	41	0.5
16-	45.5486-	114.0008-	2-	12-	0-	L16220	49880	-0.05	1233	5636	77	-78	5.0	35	3.8	8	1.2	18870	16.3	19110	40	0.6
16-	45.3056-	114.5153-	2-	12-	0-	L16221	59580	-0.07	1041	16930	345	260	10.9	79	3.4	17	2.8	32400	32.3	27510	132	1.4
16-	45.3031-	114.5167-	2-	12-	0-	L16222	67190	-0.08	650	19040	239	259	13.5	62	5.1	20	2.0	33310	40.8	25160	99	1.5
16-	45.3017-	114.5314-	2-	12-	0-	L16223	66750	-0.06	828	21920	333	241	11.0	85	3.4	23	2.7	36930	51.9	24100	130	2.0
16-	45.3031-	114.5386-	2-	12-	0-	L16224	60910	-0.08	605	18470	161	338	13.0	66	6.7	12	2.1	32990	12.5	22980	83	1.1
16-	45.3003-	114.5803-	2-	12-	0-	L16225	74870	-0.08	901	16550	251	409	23.2	76	4.9	17	2.1	46350	25.8	31530	108	1.1

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.5244-	114.1258-	2-	11-		0-L16175	4034	1440	16310	104	-2	8.8	7.4	-378	-1	-1	12.8	3694	58	4.9	-34	0.359
16-	45.5058-	114.1519-	2-	12-		0-L16176	4553	508	15820	97	-2	8.8	7.2	-236	-2	-1	11.0	3885	54	5.0	-38	2.625
16-	45.5044-	114.1553-	2-	12-		0-L16177	6146	538	14980	122	-2	10.5	10.1	-231	-2	1	11.9	2789	60	6.9	-94	1.497
16-	45.5025-	114.1531-	2-	15-		0-L16178	5809	683	11940	146	-2	10.6	29.9	-305	-2	1	17.5	2548	51	8.7	122	1.338
16-	45.5022-	114.1486-	2-	11-		0-L16179	6691	318	18740	100	-2	12.0	7.4	-258	-1	-1	13.2	3722	51	5.9	38	0.623
16-	45.5011-	114.1436-	2-	12-		0-L16180	5605	377	15230	114	-2	8.4	8.2	-223	-2	-1	10.3	3536	46	5.7	-29	1.830
16-	45.4875-	114.1431-	2-	11-		0-L16181	5219	611	14560	124	-2	10.4	12.5	-276	2	-1	12.2	3236	57	6.5		2.928
16-	45.1175-	114.4992-	2-	12-		0-L16182	-2771	1190	12900	-47	-3	3.7	37.6	-499	12	3	88.9	-1191	-12	28.2		1.548
16-	45.6200-	114.0658-	2-	11-		0-L16183	5737	1661	10450	113	-2	7.8	5.5	-434	-1	-1	8.5	3508	50	4.2	-73	0.814
16-	45.6244-	114.0314-	2-	12-		0-L16184	3285	220	8778	69	-1	4.0	5.1	-145	-1	-1	5.9	2148	32	3.6	-25	1.754
16-	45.6269-	114.0308-	2-	12-		0-L16185	4126	478	7796	92	-1	4.8	6.5	-228	-1	-1	7.3	1593	31	3.6		1.748
16-	45.6247-	114.0175-	2-	12-		0-L16186	4452	375	6484	68		5.3	9.0	-228	-2	-1	6.6	2274	30	3.8	56	2.836
16-	44.6150-	114.0003-	2-	12-		0-L16187	3445	280	7357	83	-1	4.6	4.3	-181	-1		6.4	2005	31	3.4		1.841
16-	45.3044-	114.4097-	2-	15-		0-L16188	7702	795	15900	211	-2	11.1	12.7	-254	3	-1	25.3	4400	63	10.5	99	0.251
16-	45.2869-	114.4544-	2-	12-		0-L16189	6035	517	15610	172	-2	10.5	14.7	-269	-2	-1	23.1	5641	64	7.2	135	0.524
16-	45.2872-	114.4517-	2-	12-		0-L16190	10900	1864	22100	-50	-3	21.5	38.4	-437	9	3	36.4	17760	85	32.5	-60	0.562
16-	45.2672-	114.4447-	2-	11-		0-L16191	8809	1691	10910	-71	-3	12.5	21.1	-550	4	1	5.3	9951	54	5.2	-41	6.121
16-	45.2719-	114.4139-	2-	11-		0-L16192	8237	1342	18660	97	-3	18.0	17.9	-365	4	2	17.1	8597	54	9.7	162	0.621
16-	45.2856-	114.3803-	2-	11-		0-L16193	5494	2339	19510	130	-3	10.6	24.3	-545	-2	-1	21.4	5409	52	18.5	183	0.967
16-	45.2925-	114.3553-	2-	12-		0-L16194	3673	405	21020	106	-2	7.7	19.2	-226	3	2	38.9	3480	42	13.3	111	0.328
16-	45.2022-	115.8133-	2-	12-		0-L16195	-2291	279	43320	62	-1	1.6	8.2	715	-1		15.5	-628	-7	3.6		0.141
16-	45.1933-	115.8208-	2-	12-		0-L16196	-2382	936	29970	76	-1	5.6	14.6	513	-2	1	28.0	2186	29	5.7	104	0.356
16-	45.1700-	115.8094-	2-	12-		0-L16197	-2463	537	30970	-31	-1	3.3	20.5	673	-2	1	47.3	1200	19	5.2	-29	0.198
16-	45.1678-	115.8061-	2-	12-		0-L16198	-2756	500	37420	67	-2	4.0	25.4	852	-2	1	57.8	1301	20	6.4	-58	0.121
16-	45.1569-	115.7983-	2-	12-		0-L16199	-2670	547	36210	97	-2	4.2	30.6	529	-2	1	58.4	1633	30	9.2	-42	0.110
16-	45.1503-	115.7942-	2-	12-		0-L16200	4187	355	40440	-29	-1	3.3	36.1	788	-2	2	91.3	1119	17	9.5	62	0.066
16-	45.1481-	115.8039-	2-	12-		0-L16201	4210	554	26030	-35	-2	4.7	13.0	517	-2	-1	29.3	1493	33	4.2	-73	0.385
16-	45.1464-	115.7986-	2-	12-		0-L16202	4167	744	24210	-42	-2	4.4	24.0	-401	-3	1	49.9	1811	29	9.6	73	0.289
16-	45.1461-	115.7969-	2-	12-		0-L16203	-2185	388	35970	63	-1	3.0	18.3	699	-1		41.9	1728	18	7.0	32	0.100
16-	45.1319-	115.7789-	2-	12-		0-L16204	-2697	334	37040	62	-1	2.9	19.2	770	-2		42.4	1211	-9	4.2	-43	0.156
16-	45.1211-	115.7636-	2-	12-		0-L16205	-2461	413	32650	-32	-2	3.0	17.1	584	-2	-1	34.6	1079	-8	6.3		0.349
16-	45.0261-	115.6222-	2-	12-		0-L16206	-2206	424	36230	90	-1	2.3	13.8	-276	-1	1	22.8	957	14	10.6	-45	1.047
16-	45.0275-	115.6233-	2-	12-		0-L16207	-2339	525	34890	81	3	3.1	11.8	-270	-2	1	20.9	1475	13	9.7	44	1.728
16-	45.0367-	115.6194-	2-	12-		0-L16208	-2193	578	32030	95	-1	3.5	9.8	-259	-1	1	14.3	1413	17	9.6	91	0.790
16-	45.0444-	115.6256-	2-	12-		0-L16209	3354	624	34430	87	-1	3.4	6.4	-322	-1	-1	14.3	-772	22	7.3	97	1.074
16-	45.0419-	115.6258-	2-	12-		0-L16210	-2358	486	37820	67	-1	2.1	10.1	-295	-1	1	16.4	1126	-8	8.0	-79	1.564
16-	45.0364-	115.4806-	2-	12-		0-L16211	3455	690	25970	-36	-2	10.1	8.1	-285	-2	1	14.6	4929	40	6.4	103	1.005
16-	45.0361-	115.4800-	2-	12-		0-L16212	3853	631	29910	90	-1	4.8	8.4	-282	2	-1	9.8	2170	27	4.5	179	2.333
16-	45.5158-	114.0103-	2-	12-		0-L16213	5305	171	10950	-32	4	7.2	5.7	-192	-1	-1	10.6	3565	43	6.3	-55	0.551
16-	45.5372-	114.0544-	2-	12-		0-L16214	4272	208	6539	-32	-2	5.0	7.0	-203	-2	-1	7.7	2591	29	4.2	-29	2.919
16-	45.5367-	114.0569-	2-	12-		0-L16215	4484	351	9161	-23	-1	5.0	5.9	-152	-1		8.8	2732	32	4.2	42	1.035
16-	45.5192-	114.0342-	2-	12-		0-L16216	4975	308	13950	96	-2	8.5	6.9	-207	-1	-1	11.4	3204	44	5.1	86	1.111
16-	45.5219-	114.0319-	2-	12-		0-L16217	4963	306	14590	92	2	8.1	6.6	-204	-2	-1	12.0	3935	41	6.3	-39	1.486
16-	45.5133-	114.0067-	2-	12-		0-L16218	5088	381	12910	80	-1	7.5	8.4	-201	-1	-1	10.9	3367	41	4.8	78	0.871
16-	45.5567-	114.0061-	2-	11-		0-L16219	4532	447	6409	77	-2	8.4	9.7	-204	-2	-1	12.4	2778	49	3.2	64	0.771
16-	45.5486-	114.0008-	2-	12-		0-L16220	4202	305	7809	70	4	6.5	8.5	-178	-1	-1	11.1	3245	42	4.9	76	1.041
16-	45.3056-	114.5153-	2-	12-		0-L16221	6792	524	17000	127	-2	10.1	27.0	-258	3	2	49.0	7355	65	13.0	110	0.219
16-	45.3031-	114.5167-	2-	12-		0-L16222	7150	509	19020	137	-2	13.0	23.9	-264	-2	2	39.5	6020	78	16.4	86	0.835
16-	45.3017-	114.5314-	2-	12-		0-L16223	8399	552	20190	123	-2	13.5	26.1	-201	-1	2	52.5	5809	80	20.4	107	0.294
16-	45.3031-	114.5386-	2-	12-		0-L16224	6525	434	14210	125	-2	9.7	20.1	-284	4	-1	19.3	3586	69	7.3	143	5.233
16-	45.3003-	114.5803-	2-	12-		0-L16225	10140	673	18470	165	-2	12.6	20.3	-309	-2	2	30.1	5723	71	11.0	165	0.364

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.3006-	114.5581-	2-	12-	0-	L16236-	07/10/79-	15-	25-	14.1-	-	-	8.3-	359-	12-	2-	1-	5-	8-	2-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	8.55
16-	45.3256-	114.5358-	2-	12-	0-	L16237-	07/10/79-	14-	25-	15.5-	-	-	8.1-	82-	8-	4-	1-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	16.96
16-	45.3261-	114.5353-	2-	12-	0-	L16238-	07/10/79-	15-	25-	14.9-	-	-	8.2-	42-	9-	4-	1-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	19.74
16-	45.3556-	114.5386-	2-	15-	0-	L16239-	07/10/79-	17-	24-	-	-	-	-	-	6-	2-	1-	2-	1-	-1-	-1-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	-	30.45
16-	45.3561-	114.5386-	2-	12-	0-	L16230-	07/10/79-	18-	24-	10.1-	-	-	8.4-	25-	20-	2-	1-	2-	6-	3-	3-	1-	1-	1-	3-	5-	1-	-1-	-	-	-	-	-	49.46
16-	45.3697-	114.5719-	2-	11-	0-	L16231-	07/10/79-	19-	23-	7.0-	-	-	8.1-	3-	9-	2-	1-	5-	8-	3-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	-	5.75
16-	45.1333-	115.9633-	2-	12-	0-	L16232-	07/15/79-	12-	24-	9.7-	-	-	8.8-	2-	8-	2-	1-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	4.39
16-	45.1314-	115.9625-	2-	12-	0-	L16233-	07/15/79-	12-	24-	10.1-	-	-	8.2-	1-	12-	2-	1-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	13.06
16-	45.1136-	115.9500-	2-	12-	0-	L16234-	07/15/79-	14-	24-	11.7-	-	-	8.5-	1-	8-	2-	1-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	14.97
16-	45.1028-	115.9486-	2-	12-	0-	L16235-	07/15/79-	15-	24-	12.8-	-	-	7.5-	1-	11-	2-	1-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	6.57
16-	45.0922-	115.9439-	2-	12-	0-	L16236-	07/15/79-	16-	29-	10.3-	-	-	6.0-	1-	10-	2-	1-	5-	8-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	17.94
16-	45.0914-	115.9453-	2-	12-	0-	L16237-	07/15/79-	15-	24-	13.8-	-	-	7.6-	4-	8-	2-	1-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	15.46
16-	45.0350-	114.3978-	2-	12-	0-	L16238-	07/08/79-	15-	25-	9.3-	-	-	8.3-	41-	13-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	22.52
16-	45.0333-	114.3989-	2-	12-	0-	L16239-	07/08/79-	15-	25-	12.5-	-	-	8.3-	129-	10-	1-	7-	5-	6-	3-	3-	1-	2-	1-	4-	3-	3-	-1-	-	-	-	-	-	6.84
16-	45.0033-	114.3342-	2-	12-	0-	L16240-	07/08/79-	15-	26-	11.5-	-	-	8.3-	36-	4-	1-	7-	4-	7-	3-	3-	1-	2-	3-	3-	3-	1-	-1-	-	-	-	-	-	12.77
16-	45.0222-	114.3142-	2-	12-	0-	L16241-	07/08/79-	15-	26-	14.0-	-	-	8.3-	63-	3-	1-	7-	5-	8-	3-	3-	1-	2-	3-	3-	3-	1-	-1-	-	-	-	-	-	17.66
16-	45.0214-	114.3128-	2-	12-	0-	L16242-	07/08/79-	16-	25-	16.7-	-	-	8.3-	56-	6-	1-	7-	5-	8-	3-	3-	1-	2-	3-	4-	3-	3-	-1-	-	-	-	-	-	8.76
16-	45.0236-	114.3106-	2-	12-	0-	L16243-	07/08/79-	16-	26-	13.3-	-	-	8.3-	26-	4-	1-	7-	4-	8-	3-	3-	1-	2-	3-	4-	3-	1-	-1-	-	-	-	-	-	9.97
16-	45.0472-	114.3608-	2-	12-	0-	L16245-	07/08/79-	18-	25-	13.5-	0-	-	8.0-	78-	-1-	7-	5-	6-	3-	3-	3-	1-	2-	3-	4-	3-	1-	-3-	-	-	-	-	-	9.29
16-	45.0364-	114.2956-	2-	15-	0-	L16246-	07/08/79-	20-	24-	-	-	-	-	-	8-	1-	7-	4-	7-	-1-	-2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	-	6.04
16-	45.0689-	114.2706-	2-	12-	0-	L16247-	07/08/79-	20-	24-	9.4-	-	-	8.0-	145-	4-	1-	7-	5-	8-	2-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	11.35
16-	45.0667-	114.2689-	2-	12-	0-	L16248-	07/08/79-	21-	25-	5.9-	0-	-	8.1-	115-	6-	1-	7-	4-	6-	3-	3-	1-	2-	4-	4-	2-	3-	-8-	-	-	-	-	-	6.03
16-	45.0461-	114.2811-	2-	12-	0-	L16249-	07/08/79-	21-	25-	10.2-	-	-	8.0-	64-	7-	1-	7-	5-	6-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	-	10.73
16-	45.0003-	114.4764-	2-	12-	0-	L16250-	07/08/79-	20-	24-	12.4-	-	-	7.9-	73-	2-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	17.15
16-	45.0011-	114.4783-	2-	12-	0-	L16251-	07/08/79-	20-	24-	11.3-	-	-	8.0-	32-	8-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	42.99
16-	45.1253-	114.2139-	2-	12-	0-	L16252-	07/09/79-	13-	27-	11.2-	-	-	8.2-	19-	8-	1-	7-	5-	8-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	-	9.51
16-	45.0917-	114.2258-	2-	12-	0-	L16253-	07/09/79-	13-	27-	7.0-	-	-	8.1-	75-	8-	1-	7-	5-	8-	3-	3-	1-	2-	3-	4-	4-	1-	-1-	-	-	-	-	-	10.46
16-	45.0789-	114.2503-	2-	12-	0-	L16254-	07/09/79-	14-	27-	4.7-	-	-	7.8-	100-	14-	1-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	10.81
16-	45.0381-	114.2175-	2-	12-	0-	L16255-	07/09/79-	14-	27-	10.5-	-	-	7.9-	70-	8-	1-	7-	4-	8-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	-	5.92
16-	45.0903-	114.2972-	2-	12-	0-	L16256-	07/09/79-	17-	25-	9.5-	0-	-	8.0-	35-	8-	1-	7-	5-	8-	2-	3-	1-	2-	2-	4-	5-	2-	-1-	-	-	-	-	-	10.51
16-	45.0894-	114.3128-	2-	12-	0-	L16257-	07/09/79-	16-	27-	5.9-	0-	-	8.2-	23-	8-	1-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	2-	-2-	-	-	-	-	-	9.54
16-	45.0911-	114.3144-	2-	15-	0-	L16258-	07/09/79-	16-	25-	-0-	-	-	-	-	9-	1-	7-	3-	8-	-1-	-2-	1-	4-	4-	2-	-2-	-	-	-	-	-	-	-	18.62
16-	45.0881-	114.3436-	2-	12-	0-	L16259-	07/09/79-	16-	26-	7.0-	-	-	7.9-	23-	8-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	11.86
16-	45.0956-	114.3017-	2-	12-	0-	L16260-	07/09/79-	17-	25-	17.1-	0-	-	-	117-	-1-	3-	5-	3-	3-	3-	1-	2-	4-	3-	5-	2-	-2-	-	-	-	-	-	-	3.33
16-	45.1169-	114.3472-	2-	12-	0-	L16261-	07/09/79-	17-	26-	10.1-	-	-	5.6-	30-	8-	1-	7-	5-	6-	3-	3-	1-	2-	1-	4-	5-	2-	-1-	-	-	-	-	-	6.49
16-	45.1650-	114.2619-	2-	12-	0-	L16262-	07/09/79-	19-	25-	8.3-	-	-	5.7-	24-	10-	1-	7-	5-	8-	2-	3-	1-	2-	2-	4-	5-	2-	-1-	-	-	-	-	-	84.76
16-	45.4703-	114.0014-	2-	12-	0-	L16263-	07/08/79-	12-	30-	11.1-	-	-	7.9-	177-	14-	1-	7-	5-	6-	2-	2-	1-	2-	2-	2-	3-	1-	-1-	-	-	-	-	-	5.59
16-	45.4700-	114.0172-	2-	12-	0-	L16264-	07/08/79-	13-	31-	12.4-	-	-	8.0-	185-	6-	1-	6-	5-	8-	2-	2-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	-	75.34
16-	45.4500-	114.0728-	2-	11-	0-	L16265-	07/08/79-	14-	32-	13.5-	-	-	7.3-	34-	16-	1-	6-	5-	3-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	-	8.38
16-	45.4486-	114.0653-	2-	11-	0-	L16266-	07/08/79-	14-	33-	18.3-	-	-	7.6-	50-	10-	1-	6-	5-	5-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	-	6.41
16-	45.4389-	114.0942-	2-	11-	0-	L16267-	07/08/79-	15-	32-	9.0-	-	-	7.7-	59-	15-	1-	6-	5-	3-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	-	59.32
16-	45.4383-	114.0644-	2-	15-	0-	L16268-	07/08/79-	15-	32-	-	-	-	-	-	12-	1-	7-	5-	6-	-1-	-2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	-	10.01
16-	45.4794-	114.0444-	2-	12-	0-	L16270-	07/08/79-	16-	30-	14.0-	0-	-	7.8-	164-	24-	2-	7-	5-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	7.00
16-	45.4758-	114.0447-	2-	12-	0-	L16271-	07/08/79-	16-	30-	9.1-	0-	-	7.8-	159-	14-	2-	7-	5-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.87
16-	45.4336-	114.0031-	2-	12-	0-	L16272-	07/08/79-	17-	28-	12.5-	-	-	7.4-	267-	6-	2-	7-	5-	6-	2-	2-	1-	2-	2-	2-	3-	2-	-1-	-	-	-	-	-	5.82
16-	45.4081-	114.1683-	2-	12-	0-	L16273-	07/08/79-	17-	30-	14.4-	-	-	7.7-	94-	16-	2-	7-	5-	6-	3-	3-	1-	2-	2-	2-	3-	1-	-1-	-	-	-	-	-	9.25
16-	45.4406-	114.1575-	2-	12-	0-	L16275-	07/08/79-	18-	29-	7.8-	-	-	7.9-	76-	17-	2-	7-	5-	8-	2-	2-	1-	2-	2-	4-	3-	2-	-1-	-	-	-	-	-	10.23
16-	45.4606-	114.1447-	2-	15-	0-	L16276-	07/08/79-	18-	29-	-	-	-	-	-	35-	2-	6-	5-	6-	-1-	-2-	2-	4-	3-	2-	-1-	-	-	-	-	-	-	-	20.21
16-	45.4747-	114.1394-	2-	12-	0-	L16277-	07/08/79-	18-	29-	9.1-	-	-	7.7-	83-	12-	2-	7-	5-	6-	2-	2-	1-	2-	2-	2-	3-	2-	-1-	-	-	-	-	-	19.59
16-	45.4761-	114.1386-	2-	12-	0-	L16278-	07/08/79-	19-	29-	11.2-	-	-	7.8-	50-	10-	2-	7-	5-	6-	3-	3-	1-	2-	2-	2-	3-	2-	-1-	-	-	-	-	-	13.03
16-	45.4128-	114.0119-	2-	12-	0-	L16279-	07/08/79-	19-	28-	14.3-	-	-	7.6-	131-	16-	1-	7-	5-	6-	2-	2-	1-	2-	2-	2-	2-	2-	-1-	-	-	-	-	-	15.45

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.3006-	114.5681-	2-	12-	0-	L16226	-5	-5	-5	46	-20	40	13	-10	-15	13	-5	616	3	49
16-	45.3256-	114.5358-	2-	12-	0-	L16227	-5	-5	-5	20	-20	-15	-5	-10	-15	-5	-5	913	3	42
16-	45.3261-	114.5353-	2-	12-	0-	L16228	-5	-5	-5	15	-20	-15	5	-10	-15	8	-5	714	2	47
16-	45.3556-	114.5386-	2-	15-	0-	L16229	-5	-5	-5	49	-20	25	8	-10	-15	15	-5	649	2	65
16-	45.3561-	114.5386-	2-	12-	0-	L16230	-5	-5	-5	34	-20	24	8	-10	-15	8	-5	376	2	66
16-	45.3697-	114.5719-	2-	11-	0-	L16231	-5	-5	-5	28	-20	17	17	-10	-15	7	-5	955	3	37
16-	45.1333-	115.9633-	2-	12-	0-	L16232	-5	-5	-5	18	-20	-15	14	-10	-15	-5	-5	238	3	38
16-	45.1314-	115.9625-	2-	12-	0-	L16233	-5	6	-5	25	-20	-15	10	-10	-15	11	-5	382	3	21
16-	45.1136-	115.9500-	2-	12-	0-	L16234	-5	-5	-5	20	-20	-15	14	-10	-15	13	-5	227	2	38
16-	45.1028-	115.9486-	2-	12-	0-	L16235	-5	-5	-5	18	-20	-15	16	-10	-15	-5	-5	430	2	27
16-	45.0922-	115.9439-	2-	12-	0-	L16236	-5	-5	-5	15	-20	-15	13	-10	-15	9	-5	193	2	37
16-	45.0914-	115.9453-	2-	12-	0-	L16237	-5	-5	-5	34	-20	-15	15	-10	-15	10	-5	187	2	26
16-	45.0350-	114.3878-	2-	12-	0-	L16238	-5	-5	-5	34	-20	19	7	-10	-15	14	-5	243	2	59
16-	45.0333-	114.3889-	2-	12-	0-	L16239	-5	5	-5	16	-20	-15	9	-10	-15	-5	-5	305	1	37
16-	45.0033-	114.3342-	2-	12-	0-	L16240	-5	7	-5	-10	-20	-15	14	-10	-15	55	-5	288	7	50
16-	45.0222-	114.3142-	2-	12-	0-	L16241	-5	-5	-5	30	-20	-15	7	-10	-15	24	-5	221	3	47
16-	45.0214-	114.3128-	2-	12-	0-	L16242	-5	-5	-5	10	-20	-15	8	-10	-15	10	-5	449	3	39
16-	45.0236-	114.3106-	2-	12-	0-	L16243	-5	-5	-5	15	-20	-15	-5	-10	-15	8	-5	415	2	21
16-	45.0472-	114.3608-	2-	12-	0-	L16245	-5	5	-5	23	-20	-15	-5	-10	-15	7	-5	256	3	40
16-	45.0364-	114.2956-	2-	15-	0-	L16246	-5	-5	-5	49	-20	-15	10	-10	-15	38	-5	158	3	39
16-	45.0689-	114.2706-	2-	12-	0-	L16247	-5	6	-5	46	-20	-15	26	-10	-15	18	-5	191	2	65
16-	45.0667-	114.2689-	2-	12-	0-	L16248	-5	-5	-5	139	-20	16	13	-10	-15	26	-5	273	1	24
16-	45.0461-	114.2811-	2-	12-	0-	L16249	-5	6	-5	24	-20	-15	12	-10	21	8	-5	246	2	32
16-	45.0003-	114.4764-	2-	12-	0-	L16250	-5	-5	-5	19	-20	17	-5	-10	-15	6	-5	290	1	28
16-	45.0011-	114.4783-	2-	12-	0-	L16251	-5	7	-5	13	-20	-15	10	10	-15	10	-5	523	8	79
16-	45.1253-	114.2139-	2-	12-	0-	L16252	-5	-5	-5	25	-20	-15	-5	-10	-15	19	-5	573	1	25
16-	45.0917-	114.2258-	2-	12-	0-	L16253	-5	7	-5	42	-20	-15	-5	-10	-15	25	-5	247	2	41
16-	45.0789-	114.2503-	2-	12-	0-	L16254	6	871	-5	1969	-20	-15	-5	15	33	3273	17	829	-1	31
16-	45.0381-	114.2175-	2-	12-	0-	L16255	-5	-5	-5	1930	-20	25	-5	-10	-15	447	-5	219	-1	26
16-	45.0903-	114.2972-	2-	12-	0-	L16256	-5	5	-5	86	-20	20	-5	-10	-15	55	-5	197	3	42
16-	45.0894-	114.3128-	2-	12-	0-	L16257	-5	6	-5	175	-20	25	-5	-10	-15	41	-5	221	3	51
16-	45.0911-	114.3144-	2-	15-	0-	L16258	-5	10	-5	142	-20	27	-5	-10	17	116	-5	218	3	63
16-	45.0881-	114.3436-	2-	12-	0-	L16259	-5	12	-5	91	-20	16	-5	-10	-15	70	-5	234	3	37
16-	45.0956-	114.3017-	2-	12-	0-	L16260	-5	97	-5	1377	-20	15	-5	-10	-15	1275	-5	198	-1	32
16-	45.1169-	114.3472-	2-	12-	0-	L16261	-5	6	-5	177	-20	21	-5	-10	-15	50	-5	244	2	38
16-	45.1650-	114.2619-	2-	12-	0-	L16262	-5	7	-5	32	-20	24	-5	-10	-15	13	-5	748	2	37
16-	45.4703-	114.0014-	2-	12-	0-	L16263	-5	6	-5	45	-20	27	14	-10	-15	27	-5	261	2	45
16-	45.4700-	114.0172-	2-	12-	0-	L16264	-5	-5	-5	23	-20	-15	9	-10	-15	9	-5	71	-1	5
16-	45.4500-	114.0728-	2-	11-	0-	L16265	-5	7	-5	16	-20	-15	7	-10	-15	15	-5	150	2	33
16-	45.4486-	114.0653-	2-	11-	0-	L16266	-5	9	-5	57	-20	19	7	-10	-15	53	-5	195	2	88
16-	45.4889-	114.0942-	2-	11-	0-	L16267	-5	-5	-5	58	-20	16	19	-10	-15	9	-5	213	2	19
16-	45.4853-	114.0644-	2-	15-	0-	L16268	-5	-5	-5	21	-20	24	7	-10	-15	-5	-5	404	2	41
16-	45.4794-	114.0444-	2-	12-	0-	L16270	-5	5	-5	45	-20	21	-5	-10	-15	8	-5	587	2	35
16-	45.4759-	114.0447-	2-	12-	0-	L16271	-5	9	-5	78	-20	23	12	-10	-15	35	-5	317	3	56
16-	45.4336-	114.0031-	2-	12-	0-	L16272	-5	-5	-5	51	-20	-15	-5	-10	-15	18	-5	218	2	30
16-	45.4081-	114.1683-	2-	12-	0-	L16273	-5	-5	-5	49	-20	31	-5	-10	-15	13	-5	547	1	22
16-	45.4406-	114.1575-	2-	12-	0-	L16275	-5	-5	-5	51	-20	35	10	-10	-15	18	-5	324	3	49
16-	45.4606-	114.1447-	2-	15-	0-	L16276	-5	8	-5	46	-20	21	10	-10	-15	31	-5	220	2	40
16-	45.4747-	114.1394-	2-	12-	0-	L16277	-5	-5	-5	29	-20	-15	8	-10	-15	6	-5	284	3	42
16-	45.4761-	114.1386-	2-	12-	0-	L16278	-5	9	-5	133	-20	21	-5	-10	-15	110	-5	216	2	28
16-	45.4128-	114.0119-	2-	12-	0-	L16279	-5	-5	-5	25	-20	23	10	-10	-15	8	-5	274	2	41

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Concentrations reported in weight parts per million (ppm)															
							Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.3006-	114.5681-	2-	12-		0-L16226	64650	0.72	828	17870	225	219	15.3	99	4.3	15	2.0	39140	24.7	24450	98	1.2
16-	45.3256-	114.5358-	2-	12-		0-L16227	71670	-0.05	748	21330	235	243	12.1	98	4.8	19	2.5	37220	42.9	24320	122	1.4
16-	45.3251-	114.5353-	2-	12-		0-L16228	68940	-0.07	731	18110	250	285	13.0	88	4.2	20	2.8	37820	39.2	26860	102	1.7
16-	45.3556-	114.5386-	2-	15-		0-L16229	75420	-0.10	885	18850	256	277	15.3	106	5.0	17	2.3	44220	26.5	25750	104	1.0
16-	45.3561-	114.5386-	2-	12-		0-L16230	74320	-0.09	755	19210	152	327	14.2	75	5.4	14	2.2	43210	15.1	24330	76	1.0
16-	45.3497-	114.5719-	2-	11-		0-L16231	75130	-0.09	-216	18790	127	424	11.5	47	-2.3	12	1.8	37640	30.0	13600	54	0.9
16-	45.1333-	115.9633-	2-	12-		0-L16232	77120	-0.05	928	21670	116	-144	3.8	-7	-1.3	4	0.5	13000	10.1	16180	56	0.2
16-	45.1314-	115.9625-	2-	12-		0-L16233	81650	-0.07	797	23030	216	-140	4.6	21	-1.9	6	1.5	18840	15.8	17360	110	0.4
16-	45.1136-	115.9500-	2-	12-		0-L16234	83620	-0.07	703	19980	134	-149	5.7	29	-1.8	5	1.5	19170	8.7	16130	72	0.3
16-	45.1028-	115.9486-	2-	12-		0-L16235	83550	-0.06	701	27450	106	186	6.7	17	2.1	-1	1.3	24670	15.2	12890	53	0.3
16-	45.0922-	115.9439-	2-	12-		0-L16236	79870	-0.06	725	21550	171	-167	3.6	-9	-1.7	5	1.2	15150	6.2	16560	92	0.2
16-	45.0914-	115.9453-	2-	12-		0-L16237	78420	-0.07	995	16980	144	-134	4.8	19	-1.7	3	1.4	16710	6.4	11350	77	0.2
16-	45.0350-	114.3878-	2-	12-		0-L16238	51320	-0.07	440	9230	109	172	8.4	40	16.1	13	2.4	21920	9.3	15720	69	0.6
16-	45.0333-	114.3889-	2-	12-		0-L16239	70420	-0.06	656	18990	93	155	12.9	87	5.6	6	1.6	37690	12.7	15060	39	0.4
16-	45.0033-	114.3342-	2-	12-		0-L16240	50310	-0.07	594	12600	117	-116	6.0	38	21.9	15	1.0	19930	12.4	24540	58	1.0
16-	45.0222-	114.3142-	2-	12-		0-L16241	55150	-0.08	496	7917	114	-97	12.5	58	11.4	13	1.5	25650	9.3	23490	48	0.8
16-	45.0214-	114.3128-	2-	12-		0-L16242	57310	-0.06	757	11350	114	132	5.2	46	6.4	8	1.4	19610	19.3	21430	57	0.5
16-	45.0236-	114.3106-	2-	12-		0-L16243	57360	-0.05	602	10430	89	565	7.3	48	3.9	7	1.3	21110	16.0	22670	41	0.5
16-	45.0472-	114.3608-	2-	12-		0-L16245	51190	-0.05	412	5552	94	-88	6.1	35	5.9	10	1.4	20510	9.7	17480	47	0.6
16-	45.0364-	114.2956-	2-	15-		0-L16246	58410	-0.08	455	15540	80	-94	10.6	35	26.8	7	1.1	26880	5.5	17080	35	0.5
16-	45.0689-	114.2706-	2-	12-		0-L16247	57490	-0.08	433	9432	109	271	14.1	57	32.5	9	1.7	32470	8.3	16030	55	0.7
16-	45.0667-	114.2689-	2-	12-		0-L16248	54020	-0.05	431	4875	91	161	11.8	36	8.0	7	1.3	25650	12.7	17860	43	0.5
16-	45.0461-	114.2811-	2-	12-		0-L16249	57170	-0.07	475	6326	101	-104	8.6	41	9.7	9	1.3	26660	9.5	18400	52	0.6
16-	45.0003-	114.4764-	2-	12-		0-L16250	53950	-0.07	451	9642	70	231	12.9	29	8.0	7	1.4	17280	11.1	17720	40	0.5
16-	45.0011-	114.4783-	2-	12-		0-L16251	64910	-0.06	-120	12910	255	180	7.2	36	9.1	18	1.1	22820	25.9	24130	121	1.6
16-	45.1253-	114.2139-	2-	12-		0-L16252	52090	-0.07	516	10160	142	553	63.3	49	5.4	14	1.8	32900	26.9	16090	59	0.9
16-	45.0917-	114.2258-	2-	12-		0-L16253	62680	-0.08	492	8485	89	565	31.2	40	12.6	8	0.9	29580	8.6	19870	41	0.7
16-	45.0789-	114.2503-	2-	12-		0-L16254	49590	1.57	557	9288	216	652	999.8	73	20.4	20	2.3	77710	30.1	19100	95	1.2
16-	45.0381-	114.2175-	2-	12-		0-L16255	54460	0.22	449	3033	70	228	52.2	43	6.5	6	0.9	46340	9.3	15040	32	0.4
16-	45.0503-	114.2972-	2-	12-		0-L16256	62470	-0.09	482	7859	126	501	28.3	53	35.8	13	1.9	38330	8.4	23440	64	0.6
16-	45.0594-	114.3128-	2-	12-		0-L16257	60970	-0.10	416	7610	135	225	19.3	41	19.2	15	2.1	40480	7.7	16080	67	0.8
16-	45.0911-	114.3144-	2-	15-		0-L16258	65440	-0.09	515	5349	127	771	92.3	41	17.3	15	1.9	46640	7.7	24710	63	0.9
16-	45.0881-	114.3436-	2-	12-		0-L16259	56130	-0.05	477	5489	85	486	57.0	51	8.0	9	1.3	32580	8.0	20130	44	0.7
16-	45.0956-	114.3017-	2-	12-		0-L16260	46020	0.33	532	-379	81	2474	456.6	29	11.8	12	1.0	78760	8.4	27320	31	0.7
16-	45.1169-	114.3472-	2-	12-		0-L16261	56050	-0.08	494	8259	104	1444	40.1	77	9.7	9	1.5	47100	8.8	22960	41	0.5
16-	45.1650-	114.2619-	2-	12-		0-L16262	62530	-0.09	641	21660	227	1079	12.3	61	6.1	18	2.8	35980	35.9	20800	109	1.5
16-	45.4703-	114.0014-	2-	12-		0-L16263	70580	-0.05	953	6553	82	135	9.2	41	8.6	7	1.3	27640	9.8	26770	37	0.5
16-	45.4700-	114.0172-	2-	12-		0-L16264	23550	-0.08	593	24170	51	-111	-2.1	-13	2.5	3	0.9	10030	2.4	9766	37	0.4
16-	45.4500-	114.0728-	2-	11-		0-L16265	61900	0.31	793	9542	109	166	4.7	31	28.8	15	3.6	18790	6.4	23300	81	1.0
16-	45.4486-	114.0653-	2-	11-		0-L16266	75220	-0.07	723	8295	110	-90	5.8	36	17.8	10	2.2	23210	7.0	22200	62	0.6
16-	45.4889-	114.0942-	2-	11-		0-L16267	60120	-0.07	1026	15430	84	167	7.1	53	12.6	5	1.3	21740	7.8	17250	48	0.7
16-	45.4883-	114.0644-	2-	15-		0-L16268	57280	-0.05	831	7174	87	-107	7.3	58	5.6	8	1.1	26200	15.8	20390	40	0.5
16-	45.4794-	114.0444-	2-	12-		0-L16270	54090	-0.07	915	4141	80	-90	7.6	61	8.5	7	1.6	34360	21.2	20400	35	0.6
16-	45.4758-	114.0447-	2-	12-		0-L16271	70670	-0.07	929	6951	93	-93	7.5	73	11.5	8	1.5	28420	11.6	25870	41	0.6
16-	45.4336-	114.0031-	2-	12-		0-L16272	57630	-0.07	644	9392	70	-90	5.4	32	12.1	6	1.2	21780	6.3	27810	31	0.4
16-	45.4081-	114.1683-	2-	12-		0-L16273	60900	-0.08	475	25200	95	391	22.9	92	3.9	9	1.7	55370	19.8	15730	45	0.7
16-	45.4406-	114.1575-	2-	12-		0-L16275	70720	-0.09	924	15620	138	334	15.1	77	10.6	11	2.3	45150	13.4	29430	64	0.7
16-	45.4606-	114.1447-	2-	15-		0-L16276	54800	-0.08	1016	13140	119	-93	9.7	44	24.3	9	1.8	28460	7.9	22060	61	0.5
16-	45.4747-	114.1394-	2-	12-		0-L16277	62750	-0.06	582	9790	89	-97	16.3	27	9.6	9	1.4	22130	10.6	19980	54	0.6
16-	45.4761-	114.1386-	2-	12-		0-L16278	52160	-0.06	618	8372	86	253	3.2	52	3.3	10	1.5	26840	21.7	20890	45	0.7
16-	45.4128-	114.0119-	2-	12-		0-L16279	63470	-0.07	709	7859	118	260	7.2	43	11.3	8	1.4	27320	11.4	25050	48	0.5

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.3006-	114.5681-	2-	12-		0-L16226	11720	454	17290	128	-2	10.9	21.5	-242	-1	2	30.0	5418	65	12.9	82	0.285
16-	45.3256-	114.5358-	2-	12-		0-L16227	9754	721	22070	119	-2	13.3	20.2	-238	3	2	31.6	6404	78	14.9	99	0.537
16-	45.3261-	114.5353-	2-	12-		0-L16228	9807	421	18170	146	-2	15.3	23.0	-213	3	2	42.7	6530	87	16.3	123	0.462
16-	45.3556-	114.5386-	2-	15-		0-L16229	8953	652	17920	163	-3	15.3	16.6	-317	-2	-1	36.8	6130	87	12.6	105	0.827
16-	45.3561-	114.5386-	2-	12-		0-L16230	9799	642	16880	152	-2	13.6	20.1	-324	-2	2	25.9	4869	79	9.3	-46	1.910
16-	45.3697-	114.5719-	2-	11-		0-L16231	7431	1111	15360	-48	-2	11.9	10.0	-380	-2	-1	13.4	6656	82	9.9	126	0.429
16-	45.1333-	115.9633-	2-	12-		0-L16232	2575	322	28550	-29	-1	4.3	7.2	631	-2	-1	14.5	2054	22	2.8	-36	0.303
16-	45.1314-	115.9625-	2-	12-		0-L16233	6102	498	27330	-36	-2	6.6	13.9	-325	-2	-1	31.3	2819	38	6.1	92	0.417
16-	45.1136-	115.9500-	2-	12-		0-L16234	4515	732	26930	60	-2	6.4	11.3	513	-2	-1	19.8	2526	51	3.9	122	0.756
16-	45.1028-	115.9486-	2-	12-		0-L16235	7137	581	25980	52	-2	8.6	6.7	-256	-1	-1	13.3	4025	63	-1.1	87	0.494
16-	45.0922-	115.9439-	2-	12-		0-L16236	-2724	377	28900	-38	-2	4.4	12.4	609	-2	-1	24.4	2145	29	-1.2	-46	0.735
16-	45.0914-	115.9453-	2-	12-		0-L16237	4923	298	26300	-35	-2	5.1	8.1	513	-2	-1	17.1	2539	33	-1.5	-76	0.904
16-	45.0350-	114.3878-	2-	12-		0-L16238	4687	394	14660	109	-2	9.0	18.9	-247	-1	1	13.3	3377	42	6.5	63	1.693
16-	45.0333-	114.3889-	2-	12-		0-L16239	10370	568	16320	75	-2	12.3	7.7	335	-1	-1	9.5	9697	108	4.0	122	0.720
16-	45.0033-	114.3342-	2-	12-		0-L16240	5894	739	12590	176	5	5.6	14.2	-284	4	1	26.1	2620	28	10.7	100	0.489
16-	45.0222-	114.3142-	2-	12-		0-L16241	6550	974	9265	173	-2	8.8	10.7	-348	-2	-1	18.9	3056	46	7.2	175	0.934
16-	45.0214-	114.3128-	2-	12-		0-L16242	4134	344	18410	-29	-2	7.9	7.2	364	-1	-1	17.2	4661	40	5.6		0.509
16-	45.0236-	114.3106-	2-	12-		0-L16243	5693	311	10080	94	-1	8.6	7.2	-176	-1	-1	10.5	3457	46	5.7	68	0.950
16-	45.0472-	114.3608-	2-	12-		0-L16245	4815	337	10700	130	-1	7.2	9.1	-186	-1	1	14.1	3604	41	6.8	73	0.659
16-	45.0364-	114.2956-	2-	15-		0-L16246	5597	1259	6093	111	6	8.4	6.9	-374	-1	-1	11.4	2680	54	4.1	123	0.530
16-	45.0689-	114.2706-	2-	12-		0-L16247	6798	570	9924	141	-2	10.3	13.2	-263	-2	-1	13.6	4701	63	4.8	173	0.835
16-	45.0667-	114.2689-	2-	12-		0-L16248	5805	374	15170	121	-2	7.8	7.4	-198	-1	-1	13.0	2636	36	5.2	-66	0.464
16-	45.0461-	114.2811-	2-	12-		0-L16249	5022	462	17770	89	-2	8.6	8.8	-267	-2	-1	11.5	3917	41	5.0	62	0.933
16-	45.0003-	114.4764-	2-	12-		0-L16250	5272	268	12300	-31	-2	7.5	8.5	-216	-2	-1	7.5	3469	39	4.4	-42	2.287
16-	45.0011-	114.4783-	2-	12-		0-L16251	5345	444	20880	190	-1	7.5	18.4	-204	8	2	76.5	3466	40	14.5	100	0.562
16-	45.1253-	114.2139-	2-	12-		0-L16252	5829	461	13160	118	-2	9.2	10.9	-228	-2	-1	13.0	4222	55	10.1	-44	0.732
16-	45.0917-	114.2258-	2-	12-		0-L16253	7106	263	14900	-42	-2	8.9	7.5	-241	-2	-1	9.8	3307	63	6.2	135	1.067
16-	45.0789-	114.2503-	2-	12-		0-L16254	6500	612	10320	-151	17	3.7	14.7	-269	-4	-2	21.9	3261	76	13.9	-207	0.494
16-	45.0381-	114.2175-	2-	12-		0-L16255	6491	500	12660	105	3	9.3	-0.3	-197	-2	-1	11.9	3076	39	5.1	101	0.497
16-	45.0903-	114.2972-	2-	12-		0-L16256	6793	760	6289	216	-3	10.0	14.0	-314	-2	-1	14.6	3388	61	7.3	186	0.720
16-	45.0894-	114.3128-	2-	12-		0-L16257	6409	1135	7590	116	-3	8.8	16.6	-407	-2	-1	17.1	3743	58	9.7	-71	0.558
16-	45.0911-	114.3144-	2-	15-		0-L16258	8718	551	6736	200	-3	10.2	16.7	-252	-2	-1	19.7	3396	61	9.0	-65	0.945
16-	45.0981-	114.3436-	2-	12-		0-L16259	6204	433	8038	149	-2	7.3	9.6	-192	-2	-1	14.5	2875	47	6.9	-41	0.818
16-	45.0956-	114.3017-	2-	12-		0-L16260	6245	124	2457	291	-2	6.6	6.3	-125	-2	-1	9.6	2264	37	7.8	-90	0.347
16-	45.1169-	114.3472-	2-	12-		0-L16261	10950	530	6749	206	-2	9.7	7.7	-252	-1	-1	11.7	4329	61	6.5	-45	0.555
16-	45.1650-	114.2619-	2-	12-		0-L16262	7163	587	13970	135	-2	17.6	23.8	-288	-2	2	20.7	6233	102	12.7	101	4.095
16-	45.4703-	114.0014-	2-	12-		0-L16263	5027	602	13630	114	-1	9.9	6.5	-218	-1	-1	12.7	3127	51	4.8	81	0.440
16-	45.4700-	114.0172-	2-	12-		0-L16264	4293	287	4487	-51	-2	2.9	8.2	-291	9	-1	3.0	1218	24	-1.8	-46	25.113
16-	45.4500-	114.0728-	2-	11-		0-L16265	3782	215	3070	181	-2	8.8	21.5	-227	-2	2	10.8	2293	49	8.6	-67	0.776
16-	45.4486-	114.0653-	2-	11-		0-L16266	4606	455	11770	123	-2	9.9	13.5	-251	-1	-1	13.2	3065	48	6.3	94	0.486
16-	45.4889-	114.0942-	2-	11-		0-L16267	7134	495	9238	93	-2	7.9	10.7	-238	2	-1	10.7	2070	51	5.3	-162	5.544
16-	45.4883-	114.0644-	2-	15-		0-L16268	4957	521	13520	117	-2	9.5	8.8	-240	-1	-1	11.2	4183	54	6.4	97	0.894
16-	45.4794-	114.0444-	2-	12-		0-L16270	5600	599	13350	132	-2	9.8	5.9	-248	-1	-1	12.3	4140	64	6.0	-37	0.569
16-	45.4756-	114.0447-	2-	12-		0-L16271	8096	994	10940	151	-2	11.1	8.1	-308	-1	-1	12.9	3814	60	4.8	89	0.533
16-	45.4336-	114.0031-	2-	12-		0-L16272	4301	909	5290	105	-2	7.2	5.3	-290	-2	-1	10.3	2604	35	3.8	-40	0.565
16-	45.4081-	114.1683-	2-	12-		0-L16273	15110	866	15870	-43	-2	24.0	9.0	-277	-1	-1	11.1	5976	150	6.7		0.833
16-	45.4406-	114.1575-	2-	12-		0-L16275	11420	815	9590	165	-3	14.2	13.6	-322	-2	-1	17.1	4030	98	6.8	-54	0.598
16-	45.4606-	114.1447-	2-	15-		0-L16276	5311	833	9391	129	-2	10.3	10.9	-304	-2	-1	13.7	2751	41	5.6	112	1.475
16-	45.4747-	114.1394-	2-	12-		0-L16277	4203	517	14370	114	-2	8.4	9.8	-216	-2	-1	11.4	2505	42	6.0	97	1.718
16-	45.4761-	114.1386-	2-	12-		0-L16278	6219	511	15300	88	-2	9.5	9.6	-222	-1	1	12.8	3012	52	8.1	82	1.018
16-	45.4128-	114.0119-	2-	12-		0-L16279	4503	326	15630	121	-2	10.0	7.2	-234	-2	1	12.5	3049	55	5.3	99	1.236

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmhos/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.4314-	114.2094-	2-	12-		G-L16290-	07/09/79-	11-	32-	9.1-	-	-	7.4-	124-	14-	1-	7-	5-	6-	2-	2-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	-	3.68
16-	45.4614-	114.2239-	2-	12-		G-L16291-	07/09/79-	12-	32-	7.3-	-	-	7.8-	151-	8-	2-	7-	5-	8-	2-	2-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	-	2.63
16-	45.4636-	114.2272-	2-	12-		G-L16292-	07/09/79-	13-	30-	8.9-	-	-	8.0-	66-	6-	1-	7-	5-	8-	3-	3-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	-	3.39
16-	45.4514-	114.2106-	2-	11-		G-L16293-	07/09/79-	14-	32-	19.5-	-	-	7.7-	225-	10-	1-	7-	5-	8-	2-	2-	1-	-4-	2-	3-	1-	-1-	-	-	-	-	-	-	1.71
16-	45.3189-	114.0364-	2-	12-		G-L16295-	07/09/79-	15-	30-	18.0-	G-	-	6.9-	31-	24-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	3-	2-	-1-	-	-	-	-	-	13.55
16-	45.3356-	114.0475-	2-	15-		G-L16296-	07/09/79-	16-	30-		-G-	-	-	-	10-	1-	7-	5-	6-	-1-	-2-	1-	2-	2-	2-	-9-	-	-	-	-	-	-	7.36
16-	45.3047-	114.0403-	2-	12-		G-L16297-	07/09/79-	17-	30-	15.4-	-	-	7.1-	22-	41-	1-	7-	4-	6-	3-	3-	1-	2-	2-	2-	2-	2-	-1-	-	-	-	-	-	8.55
16-	45.3039-	114.0425-	2-	12-		G-L16298-	07/09/79-	17-	30-	14.9-	-	-	7.1-	20-	16-	1-	7-	5-	6-	3-	3-	1-	2-	2-	2-	2-	2-	-1-	-	-	-	-	-	5.43
16-	45.2894-	114.0744-	2-	12-		G-L16299-	07/09/79-	17-	30-	11.1-	-	-	7.8-	15-	18-	1-	7-	5-	8-	2-	2-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	-	3.91
16-	45.2894-	114.0717-	2-	12-		G-L16300-	07/09/79-	18-	30-	15.9-	-	-	7.3-	15-	4-	1-	7-	4-	6-	2-	2-	1-	2-	2-	3-	2-	2-	-1-	-	-	-	-	-	5.19
16-	45.2686-	114.0878-	2-	12-		G-L16301-	07/09/79-	18-	29-	13.9-	-	-	7.4-	16-	18-	1-	7-	5-	8-	2-	2-	1-	2-	1-	2-	2-	2-	-1-	-	-	-	-	-	2.85
16-	45.2661-	114.0867-	2-	12-		G-L16302-	07/09/79-	18-	29-	12.5-	-	-	7.2-	14-	14-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	2-	2-	-1-	-	-	-	-	-	8.64
16-	45.2906-	114.0322-	2-	12-		G-L16303-	07/09/79-	19-	30-	13.5-	-	-	7.2-	20-	11-	1-	7-	5-	8-	2-	2-	1-	2-	4-	2-	2-	1-	-1-	-	-	-	-	-	4.78
16-	45.2847-	114.0378-	2-	15-		G-L16304-	07/09/79-	19-	29-		-	-	-	-	10-	1-	7-	5-	8-	-1-	-2-	1-	3-	2-	1-	-1-	-	-	-	-	-	-	4.35
16-	45.2819-	114.3044-	2-	12-		G-L16295-	07/10/79-	12-	33-	13.5-	-	-	6.5-	109-	25-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	4-	1-	-1-	-	-	-	-	-	6.32
16-	45.2844-	114.2961-	2-	15-		G-L16296-	07/10/79-	12-	34-		-	-	-	-	24-	1-	7-	5-	6-	-1-	-2-	3-	2-	4-	2-	-1-	-	-	-	-	-	-	7.73
16-	45.2836-	114.2703-	2-	12-		G-L16297-	07/10/79-	13-	33-	23.1-	-	-	7.0-	123-	25-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	4-	2-	-1-	-	-	-	-	-	11.61
16-	45.2808-	114.2664-	2-	12-		G-L16298-	07/10/79-	13-	33-	9.4-	-	-	8.1-	13-	17-	1-	7-	5-	6-	3-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	-	15.85
16-	45.3069-	114.3383-	2-	11-		G-L16299-	07/10/79-	15-	33-	69.2-	G-	-	7.2-	780-	12-	1-	7-	4-	9-	3-	3-	1-	-1-	2-	3-	1-	-1-	-	-	-	-	-	-	4.95
16-	45.3106-	114.3353-	2-	12-		G-L16300-	07/10/79-	15-	33-	11.6-	-	-	9.5-	176-	6-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	13.20
16-	45.3519-	114.2797-	2-	12-		G-L16301-	07/10/79-	17-	33-	17.9-	-	-	9.0-	198-	6-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	19.07
16-	45.3397-	114.2692-	2-	12-		G-L16302-	07/10/79-	17-	33-	13.4-	-	-	8.7-	57-	2-	1-	7-	5-	8-	2-	2-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	-	4.46
16-	45.3492-	114.2678-	2-	12-		G-L16303-	07/10/79-	17-	33-	15.4-	-	-	7.1-	44-	10-	1-	7-	4-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	25.59
16-	45.3375-	114.2622-	2-	12-		G-L16304-	07/10/79-	18-	33-	11.1-	-	-	6.9-	83-	12-	1-	7-	5-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	5.45
16-	45.3308-	114.2436-	2-	15-		G-L16305-	07/10/79-	18-	33-		-	-	-	-	40-	1-	7-	4-	6-	-1-	-2-	4-	2-	3-	1-	-1-	-	-	-	-	-	-	67.88
16-	45.3278-	114.2433-	2-	12-		G-L16306-	07/10/79-	18-	33-	9.7-	-	-	8.9-	65-	30-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	9.78
16-	45.3289-	114.2383-	2-	12-		G-L16307-	07/10/79-	18-	33-	10.9-	-	-	7.1-	18-	25-	1-	7-	5-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	6.76
16-	45.3475-	114.2731-	2-	12-		G-L16308-	07/10/79-	19-	30-	15.7-	-	-	7.0-	53-	15-	1-	6-	5-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	-	14.48
16-	45.3894-	114.0497-	2-	15-		G-L16309-	07/11/79-	12-	32-		-	-	-	-	14-	1-	7-	5-	5-	-1-	-2-	2-	1-	3-	2-	-1-	-	-	-	-	-	-	5.16
16-	45.3844-	114.0631-	2-	15-		G-L16310-	07/11/79-	12-	33-		-	-	-	-	14-	1-	7-	5-	6-	-1-	-2-	3-	2-	3-	2-	-2-	-	-	-	-	-	-	3.64
16-	45.3956-	114.1153-	2-	12-		G-L16311-	07/11/79-	13-	33-	13.2-	-	-	6.9-	135-	15-	1-	7-	4-	6-	2-	2-	1-	-3-	2-	3-	1-	-1-	-	-	-	-	-	-	8.16
16-	45.3933-	114.1300-	2-	12-		G-L16312-	07/11/79-	14-	34-	13.4-	-	-	7.1-	419-	6-	1-	7-	5-	6-	2-	2-	1-	-3-	2-	3-	1-	-1-	-	-	-	-	-	-	3.94
16-	45.5031-	114.4625-	2-	11-		G-L16313-	07/08/79-	13-	26-	39.2-	G-	-	-	298-	28-	2-	6-	5-	6-	3-	3-	1-	-1-	-3-	3-	2-	-8-	-	-	-	-	-	-	21.93
16-	45.5033-	114.4709-	2-	12-		G-L16314-	07/08/79-	13-	27-	10.5-	-	-	8.1-	16-	20-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	37.66
16-	45.4958-	114.4342-	2-	15-		G-L16315-	07/08/79-	13-	28-		-	-	-	-	10-	2-	6-	4-	6-	-1-	-2-	1-	3-	3-	2-	-3-	-	-	-	-	-	-	24.70
16-	45.5050-	114.4600-	2-	12-		G-L16316-	07/08/79-	14-	28-	14.1-	-	-	8.6-	35-	30-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	41.62
16-	45.4953-	114.4319-	2-	12-		G-L16317-	07/08/79-	15-	28-	8.3-	-	-	8.1-	8-	13-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	61.98
16-	45.4972-	114.4289-	2-	12-		G-L16318-	07/08/79-	15-	28-	9.6-	-	-	8.1-	12-	11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	-	21.30
16-	45.4556-	114.4558-	2-	11-		G-L16319-	07/08/79-	18-	26-	3.4-	-	-	8.7-	1-	23-	2-	6-	3-	6-	3-	3-	1-	-1-	1-	3-	3-	2-	-3-	-	-	-	-	-	16.32
16-	45.4725-	114.4385-	2-	11-		G-L16320-	07/08/79-	18-	26-	4.4-	-	-	9.1-	1-	10-	2-	1-	3-	6-	3-	3-	1-	-1-	1-	3-	3-	2-	-3-	-	-	-	-	-	23.36
16-	45.4667-	114.3805-	2-	11-		G-L16321-	07/08/79-	19-	25-	4.1-	-	-	9.1-	1-	17-	2-	6-	3-	6-	3-	3-	1-	-1-	1-	3-	3-	2-	-3-	-	-	-	-	-	113.80
16-	45.3933-	114.2561-	2-	12-		G-L16322-	07/08/79-	20-	23-	13.4-	-	-	-	39-	5-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	16.73
16-	45.4333-	114.2635-	2-	12-		G-L16323-	07/09/79-	13-	31-	10.8-	-	-	-	219-	15-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	2.58
16-	45.4331-	114.2658-	2-	12-		G-L16324-	07/09/79-	13-	31-	11.4-	-	-	-	136-	18-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	7.83
16-	45.4208-	114.2703-	2-	12-		G-L16325-	07/09/79-	13-	31-	11.8-	-	-	-	80-	15-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	7.43
16-	45.4214-	114.2853-	2-	12-		G-L16326-	07/09/79-	13-	32-	11.6-	-	-	-	19-	14-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	-	30.64
16-	45.4606-	114.3481-	2-	11-		G-L16327-	07/09/79-	14-	31-	4.9-	-	-	8.5-	5-	20-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-3-	-	-	-	-	-	-	8.05
16-	45.3972-	114.4419-	2-	11-		G-L16328-	07/09/79-	14-	30-	6.4-	G-	-	7.9-	3-	6-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	4-	2-	-3-	-	-	-	-	-	-	45.90
16-	45.4156-	114.3786-	2-	99-		G-L16329-	07/09/79-	15-	30-		-G-	-	-	-	17-	2-	6-	5-	6-	-1-	-	-1-	3-	3-	2-	-3-	-	-	-	-	-	-	9.38
16-	45.4275-	114.3622-	2-	15-		G-L16330-	07/09/79-	17-	29-		-	-	-	-	12-	2-	6-	5-	6-	-1-	-2-	1-	3-	4-	2-	-3-	-	-	-	-	-	-	5.02
16-	45.4561-	114.3208-	2-	11-		G-L16331-	07/09/79-	17-	29-	16.6-	-	-	8.1-	11-	24-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-3-	-	-	-	-	-	-	8.73

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-45.4314-114.2094-2-12-	0-L16280	-5	7	-5	56	-20	56	-5	-10	-15	13	-5	236	2	42
16-45.4614-114.2239-2-12-	0-L16281	-5	-5	-5	54	-20	48	-5	-10	-15	11	-5	471	-1	28
16-45.4635-114.2272-2-12-	0-L16282	-5	-5	-5	32	-20	52	-5	-10	-15	8	-5	932	-1	22
16-45.4514-114.2106-2-11-	0-L16283	-5	-5	5	69	-20	31	19	-10	-15	-5	-5	153	-1	34
16-45.3189-114.0364-2-12-	0-L16285	-5	5	-5	22	-20	-15	10	-10	-15	16	-5	712	3	40
16-45.3356-114.0475-2-15-	0-L16286	-5	7	-5	19	-20	15	18	-10	-15	-5	-5	452	-1	49
16-45.3047-114.0403-2-12-	0-L16287	-5	6	-5	10	-20	17	5	10	-15	7	-5	1364	-1	40
16-45.3039-114.0425-2-12-	0-L16288	-5	-5	-5	16	-20	-15	-5	-10	-15	13	-5	678	-1	32
16-45.2894-114.0744-2-12-	0-L16289	-5	-5	-5	19	-20	-15	7	-10	-15	6	-5	532	-1	38
16-45.2894-114.0717-2-12-	0-L16290	-5	7	-5	-10	-20	-15	-5	-10	-15	11	-5	735	-1	28
16-45.2696-114.0878-2-12-	0-L16291	-5	-5	-5	12	-20	-15	6	-10	-15	-5	-5	309	1	27
16-45.2661-114.0867-2-12-	0-L16292	5	8	-5	-10	-20	-15	-5	-10	18	19	-5	2161	2	21
16-45.2906-114.0322-2-12-	0-L16293	-5	7	-5	-10	-20	-15	-5	-10	17	6	-5	602	-1	28
16-45.2947-114.0378-2-15-	0-L16294	-5	-5	-5	12	-20	16	5	-10	-15	6	-5	456	2	22
16-45.2819-114.3044-2-12-	0-L16295	-5	5	-5	53	-20	-15	8	16	-15	7	-5	396	2	25
16-45.2844-114.2961-2-15-	0-L16296	-5	5	-5	85	-20	17	16	-10	-15	6	-5	425	2	37
16-45.2836-114.2703-2-12-	0-L16297	-5	7	-5	52	-20	22	29	-10	-15	-5	-5	259	2	42
16-45.2808-114.2664-2-12-	0-L16298	-5	-5	-5	54	-20	-15	45	-10	-15	8	-5	322	1	13
16-45.3069-114.3383-2-11-	0-L16299	-5	7	-5	22	-20	-15	-5	-10	-15	24	-5	328	2	112
16-45.3106-114.3353-2-12-	0-L16300	-5	6	-5	-10	-20	-15	-5	-10	-15	12	-5	803	-1	46
16-45.3519-114.2797-2-12-	0-L16301	-5	8	-5	14	-20	-15	6	-10	-15	12	-5	965	1	47
16-45.3397-114.2692-2-12-	0-L16302	-5	-5	-5	22	-20	-15	-5	10	-15	7	-5	284	2	28
16-45.3492-114.2678-2-12-	0-L16303	-5	8	-5	17	-20	-15	-5	-10	-15	10	-5	1099	6	63
16-45.3375-114.2622-2-12-	0-L16304	-5	-5	-5	24	-20	15	5	15	-15	8	-5	317	2	47
16-45.3308-114.2436-2-15-	0-L16305	5	13	-5	13	-20	16	6	-10	22	12	-5	2186	-1	56
16-45.3278-114.2433-2-12-	0-L16306	-5	5	-5	45	-20	16	6	-10	-15	-5	-5	301	-1	30
16-45.3289-114.2383-2-12-	0-L16307	-5	7	-5	29	-20	-15	-5	-10	-15	6	-5	453	-1	34
16-45.3475-114.2731-2-12-	0-L16308	-5	-5	-5	19	-20	-15	7	-10	-15	5	-5	327	-1	44
16-45.3894-114.0497-2-15-	0-L16309	-5	9	-5	50	-20	-15	16	-10	-15	19	-5	268	-1	55
16-45.3844-114.0631-2-15-	0-L16310	-5	-5	-5	36	-20	-15	6	-10	-15	19	-5	345	2	37
16-45.3955-114.1153-2-12-	0-L16311	-5	7	-5	19	-20	-15	-5	-10	-15	12	-5	626	-1	31
16-45.3933-114.1300-2-12-	0-L16312	-5	-5	-5	54	-20	63	-5	-10	-15	6	-5	507	-1	30
16-45.5031-114.4625-2-11-	0-L16313	-5	12	-5	12	-20	-15	65	14	-15	-5	-5	703	5	136
16-45.5033-114.4708-2-12-	0-L16314	-5	19	-5	16	-20	-15	10	-10	19	13	-5	1338	6	73
16-45.4958-114.4842-2-15-	0-L16315	-5	11	-5	-10	-20	-15	26	-10	17	8	-5	692	3	49
16-45.5050-114.4600-2-12-	0-L16316	-5	15	-5	-10	-20	-15	9	-10	20	10	-5	1221	4	80
16-45.4953-114.4319-2-12-	0-L16317	-5	11	-5	21	-20	-15	12	-10	-15	6	-5	1072	4	49
16-45.4972-114.4289-2-12-	0-L16318	-5	8	-5	18	-20	-15	54	-10	-15	-5	-5	711	3	62
16-45.4556-114.4558-2-11-	0-L16319	-5	5	-5	23	-20	23	64	49	-15	-5	-5	990	3	38
16-45.4725-114.4386-2-11-	0-L16320	-5	6	-5	37	-20	-15	58	-10	-15	-5	-5	725	5	66
16-45.4567-114.3906-2-11-	0-L16321	-5	13	-5	23	-20	-15	45	-10	-15	-5	-5	746	3	62
16-45.3933-114.2561-2-12-	0-L16322	5	13	-5	42	-20	26	56	-10	26	6	-5	1016	3	43
16-45.4333-114.2635-2-12-	0-L16323	-5	8	5	47	-20	50	-5	-10	-15	13	-5	627	1	21
16-45.4331-114.2658-2-12-	0-L16324	-5	7	-5	29	-20	32	-5	-10	-15	5	-5	549	2	21
16-45.4208-114.2703-2-12-	0-L16325	-5	5	5	25	-20	46	5	-10	16	-5	-5	759	2	34
16-45.4214-114.2853-2-12-	0-L16326	-5	8	-5	27	-20	-15	106	-10	-15	-5	-5	901	4	35
16-45.4605-114.3481-2-11-	0-L16327	-5	16	-5	20	-20	26	45	-10	24	9	-5	582	3	37
16-45.3972-114.4419-2-11-	0-L16328	-5	5	-5	13	-20	-15	14	-10	-15	-5	-5	408	5	12
16-45.4156-114.3786-2-99-	0-L16329	-5	8	-5	41	-20	19	16	-10	15	9	-5	259	2	55
16-45.4275-114.3622-2-15-	0-L16330	-5	8	-5	23	-20	-15	41	-10	-15	12	-5	393	2	65
16-45.4561-114.3208-2-11-	0-L16331	-5	12	-5	25	-20	19	92	-10	-15	-5	-5	340	3	65

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
STATE	LATITUDE	LONGITUDE	LOC LAB	SAMPLE TYPE	REPLICATE	LAS SAMPLE LOCATION NUMBER	Concentrations reported in weight parts per million (ppm)															
							Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.4314-	114.2694-	2-	12-	0-	L16290	79910	-0.11	594	36080	115	510	37.9	168	3.7	8	1.9	64810	10.2	12940	54	0.7
16-	45.4614-	114.2239-	2-	12-	0-	L16291	69870	-0.09	499	47840	108	714	36.5	129	5.1	6	1.7	81100	25.2	7498	53	0.7
16-	45.4536-	114.2272-	2-	12-	0-	L16292	65890	-0.11	469	54920	147	612	32.4	145	-3.1	9	1.8	73680	37.3	-5389	82	0.7
16-	45.4514-	114.2106-	2-	11-	0-	L16293	53240	-0.13	552	104300	54	407	21.1	85	18.9	4	1.1	42590	5.5	11550	24	0.2
16-	45.3189-	114.0364-	2-	12-	0-	L16285	79060	-0.10	784	7624	226	551	14.5	61	6.2	18	2.6	47750	36.2	27370	69	1.3
16-	45.3356-	114.0475-	2-	15-	0-	L16286	71240	-0.08	1020	10110	101	497	9.2	37	6.1	11	1.7	30220	18.0	25390	52	0.7
16-	45.3047-	114.0403-	2-	12-	0-	L16287	62490	-0.07	731	9545	127	390	7.5	46	4.4	13	2.4	30100	67.0	24470	50	1.3
16-	45.3039-	114.0425-	2-	12-	0-	L16288	57030	-0.07	877	9373	109	285	6.2	31	2.9	11	1.7	22600	36.9	20910	41	1.0
16-	45.2894-	114.0744-	2-	12-	0-	L16289	56340	-0.07	772	10140	91	373	4.9	38	3.2	9	1.5	20710	25.9	22620	34	0.8
16-	45.2894-	114.0717-	2-	12-	0-	L16290	57190	-0.05	1098	6546	84	207	5.0	36	2.7	9	1.6	21790	29.7	23240	37	0.9
16-	45.2686-	114.0878-	2-	12-	0-	L16291	61430	-0.05	791	7853	60	343	6.2	36	3.3	6	1.3	20900	12.8	21980	27	0.5
16-	45.2651-	114.0867-	2-	12-	0-	L16292	51520	2.12	993	6939	116	207	4.6	31	4.0	14	2.5	24600	103.6	23530	48	2.0
16-	45.2906-	114.0322-	2-	12-	0-	L16293	59330	-0.07	774	9463	97	300	5.4	34	3.7	7	1.5	22610	27.0	21230	32	0.8
16-	45.2847-	114.0378-	2-	15-	0-	L16294	59450	0.35	1057	6246	85	385	6.9	51	5.0	6	1.4	24420	18.7	26480	32	0.5
16-	45.2819-	114.3044-	2-	12-	0-	L16295	68370	-0.07	1198	11040	137	309	11.4	58	11.3	10	2.2	44870	15.7	37220	61	0.6
16-	45.2544-	114.2961-	2-	15-	0-	L16296	66720	-0.07	877	6462	126	183	9.7	64	6.0	9	1.8	40950	16.7	37540	50	0.6
16-	45.2836-	114.2703-	2-	12-	0-	L16297	58940	-0.07	631	8477	137	297	6.7	41	6.8	8	1.8	28620	9.1	27570	59	0.5
16-	45.2808-	114.2664-	2-	12-	0-	L16298	37550	-0.06	523	8790	65	213	8.0	-8	3.5	6	1.3	30130	10.6	22270	30	0.4
16-	45.3069-	114.3383-	2-	11-	0-	L16299	61230	-0.08	748	40580	93	594	19.0	42	40.8	9	1.2	22140	13.7	20910	32	0.6
16-	45.3106-	114.3353-	2-	12-	0-	L16300	73130	-0.07	941	15620	152	-116	7.9	63	3.4	14	2.2	26120	37.2	26570	65	1.4
16-	45.3519-	114.2797-	2-	12-	0-	L16301	80170	-0.07	823	23500	205	-130	9.3	60	3.7	18	2.2	39640	44.2	18460	90	1.4
16-	45.3397-	114.2692-	2-	12-	0-	L16302	57570	-0.05	907	5353	78	146	4.9	40	3.6	7	1.3	26790	11.0	26970	34	0.4
16-	45.3492-	114.2579-	2-	12-	0-	L16303	75890	-0.08	495	17270	204	327	8.4	28	8.2	17	1.8	38480	51.9	25920	78	1.9
16-	45.3375-	114.2622-	2-	12-	0-	L16304	64490	-0.07	739	11530	94	-97	7.2	45	6.8	8	1.4	33850	12.0	24910	35	0.7
16-	45.3308-	114.2435-	2-	15-	0-	L16305	64880	-0.07	439	16150	214	263	7.4	58	6.8	34	3.5	38760	91.2	20550	111	3.3
16-	45.3278-	114.2433-	2-	12-	0-	L16306	59910	-0.07	690	6893	95	240	7.9	43	4.8	9	1.9	35130	12.1	26320	51	0.6
16-	45.3239-	114.2383-	2-	12-	0-	L16307	60330	-0.07	879	11320	120	168	4.3	41	5.3	8	1.6	32440	14.6	26360	43	0.6
16-	45.3475-	114.2731-	2-	12-	0-	L16308	59840	-0.07	659	13070	134	181	5.0	48	4.8	13	1.8	28590	40.9	23700	53	1.4
16-	45.3894-	114.0497-	2-	15-	0-	L16309	66900	-0.06	955	9715	86	210	10.2	51	12.0	7	1.3	28520	10.8	31590	37	0.5
16-	45.3844-	114.0631-	2-	15-	0-	L16310	61150	-0.06	801	6048	97	294	10.6	63	9.0	7	1.6	32550	14.3	28540	40	0.6
16-	45.3956-	114.1153-	2-	12-	0-	L16311	56940	-0.08	854	14460	107	369	10.9	59	4.9	9	1.3	31600	28.3	21250	50	0.8
16-	45.3933-	114.1300-	2-	12-	0-	L16312	69440	-0.10	523	41360	148	629	33.8	135	5.7	11	1.9	67060	21.4	16640	51	0.9
16-	45.5031-	114.4625-	2-	11-	0-	L16313	84860	-0.07	523	16350	173	-146	7.0	32	9.0	11	1.3	26810	29.1	21280	86	0.9
16-	45.5033-	114.4708-	2-	12-	0-	L16314	81840	-0.07	360	13870	391	-157	5.6	28	7.8	16	1.9	22010	76.7	20710	190	1.9
16-	45.4958-	114.4842-	2-	15-	0-	L16315	76070	-0.07	867	15170	216	-113	6.1	41	6.7	17	1.6	22710	34.6	21830	104	1.7
16-	45.5050-	114.4600-	2-	12-	0-	L16316	81570	-0.07	491	16110	345	-124	5.0	27	5.3	16	1.7	20800	67.2	21830	171	1.8
16-	45.4953-	114.4319-	2-	12-	0-	L16317	70360	-0.07	739	17940	288	-120	6.7	42	5.8	27	2.5	26320	59.1	16650	125	3.0
16-	45.4972-	114.4289-	2-	12-	0-	L16318	74750	-0.07	942	13240	164	-128	7.0	50	8.9	15	2.1	27920	33.5	20100	76	1.6
16-	45.4556-	114.4558-	2-	11-	0-	L16319	81560	-0.11	545	14530	154	270	8.9	71	5.1	20	2.0	34030	56.8	17600	76	1.4
16-	45.4725-	114.4386-	2-	11-	0-	L16320	87300	-0.10	553	14490	151	253	8.3	43	4.9	19	1.4	32400	30.2	21060	77	1.6
16-	45.4567-	114.3806-	2-	11-	0-	L16321	86390	-0.07	861	13790	244	-145	7.0	39	4.7	21	2.2	25310	32.2	29090	116	2.0
16-	45.3933-	114.2561-	2-	12-	0-	L16322	70170	-0.10	721	23290	209	264	17.3	66	6.1	19	2.6	51690	47.8	19320	93	1.6
16-	45.4233-	114.2636-	2-	12-	0-	L16323	64680	-0.11	444	48590	125	587	34.9	151	-2.8	9	1.8	79800	31.6	11120	64	0.8
16-	45.4331-	114.2658-	2-	12-	0-	L16324	68880	-0.08	512	32840	154	409	21.6	95	-2.1	12	1.7	47790	27.2	14040	63	1.1
16-	45.4208-	114.2703-	2-	12-	0-	L16325	71820	-0.08	531	38790	138	451	22.6	116	3.4	12	1.8	52410	31.4	14760	60	1.2
16-	45.4214-	114.2853-	2-	12-	0-	L16326	78400	-0.07	860	15540	233	-135	7.8	40	5.6	23	2.1	31490	40.7	23800	91	2.0
16-	45.4506-	114.3481-	2-	11-	0-	L16327	76430	-0.10	1033	11750	142	324	10.5	44	4.5	13	1.8	34430	26.8	16170	62	1.0
16-	45.3972-	114.4419-	2-	11-	0-	L16328	74570	-0.08	928	14930	127	-158	-1.7	-12	-1.9	17	2.1	12320	21.0	13600	62	1.4
16-	45.4156-	114.3786-	2-	99-	0-	L16329	89790	-0.07	888	10160	165	-151	8.8	59	5.7	17	1.2	32430	10.3	27170	65	1.6
16-	45.4275-	114.3622-	2-	15-	0-	L16330	77200	-0.07	963	7776	143	314	9.0	35	6.1	9	1.8	33530	15.2	23160	61	0.7
16-	45.4561-	114.3208-	2-	11-	0-	L16331	85150	-0.10	1027	15550	199	-133	13.4	52	7.5	16	2.0	42400	13.8	27110	69	1.1

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.4314-114.2094-2-12-	0-L16280	23090	933	19820	83	-3	34.2	9.0	-333	-2	-1	17.0	5060	197	7.4	-60	0.216
16-45.4614-114.2239-2-12-	0-L16281	24520	1324	17400	67	-2	40.7	7.6	-291	-1	-1	8.2	9070	281	6.9	-126	0.321
16-45.4636-114.2272-2-12-	0-L16282	25550	1353	17220	-59	-3	36.3	7.6	-382	-2	-1	10.5	12900	252	5.5	-76	0.323
16-45.4514-114.2106-2-11-	0-L16283	18710	1527	11690	-57	-3	19.4	3.8	-528	-2	-1	5.1	4606	152	4.0	-139	0.335
16-45.3189-114.0364-2-12-	0-L16285	5607	574	14300	203	-3	15.7	19.2	-311	-2	-1	29.8	5183	88	13.1	-57	0.455
16-45.3356-114.0475-2-15-	0-L16286	7397	541	17920	161	-2	11.6	8.9	-265	-1	-1	16.6	4194	68	7.8	79	0.443
16-45.3047-114.0403-2-12-	0-L16287	3559	549	13910	124	-2	13.1	10.9	-227	2	-1	21.8	4564	58	12.1	123	0.392
16-45.3039-114.0425-2-12-	0-L16288	-1759	508	15500	115	-2	9.6	6.1	-259	-2	1	10.9	3113	42	11.2		0.498
16-45.2894-114.0744-2-12-	0-L16289	2412	310	16900	158	-2	8.4	6.6	-234	-1	-1	11.9	4159	46	8.7	-23	0.329
16-45.2894-114.0717-2-12-	0-L16290	3099	452	15030	104	-1	8.4	7.2	-191	-1	-1	11.7	2248	44	8.1	41	0.444
16-45.2686-114.0878-2-12-	0-L16291	4437	230	16340	115	-1	8.6	4.9	-189	-1		7.3	2638	42	4.4	-40	0.390
16-45.2661-114.0867-2-12-	0-L16292	-1521	378	12840	130	-2	9.6	7.7	-213	2	1	15.7	3778	46	16.7	-36	0.550
16-45.2906-114.0322-2-12-	0-L16293	3470	451	12710	92	-2	10.8	6.7	-231	-1	-1	13.4	4265	54	5.8	43	0.357
16-45.2847-114.0378-2-15-	0-L16294	4103	353	9990	114	-2	10.4	5.1	-188	-1	-1	13.2	3813	59	4.2	51	0.330
16-45.2819-114.3044-2-12-	0-L16295	5227	762	7071	204	-2	12.1	11.3	-246	-1	-1	23.8	4104	72	6.8	118	0.266
16-45.2844-114.2961-2-15-	0-L16296	5231	930	7217	170	-2	10.5	7.7	-294	-2	-1	21.7	4011	64	6.3	117	0.356
16-45.2836-114.2703-2-12-	0-L16297	4497	728	7754	136	-2	8.9	11.7	-271	-1	-1	17.3	3208	47	5.4	298	0.671
16-45.2808-114.2564-2-12-	0-L16298	4249	1058	3820	105	-2	5.6	6.3	-309	-1	-1	9.8	2164	43	3.6	170	1.617
16-45.3069-114.3383-2-11-	0-L16299	8711	339	26950	146		7.5	6.3	575	-1	-1	12.8	3405	33	5.5	93	0.387
16-45.3106-114.3353-2-12-	0-L16300	5442	355	25490	114	-2	9.7	16.2	-254	-2	1	27.1	5414	48	12.8		0.487
16-45.3519-114.2797-2-12-	0-L16301	6685	572	26230	96	-2	12.6	19.5	-263	-2	2	37.0	3773	62	13.1	111	0.515
16-45.3397-114.2692-2-12-	0-L16302	4317	337	10850	177	-1	7.6	6.3	-197	-1	-1	11.5	2152	41	4.6	-42	0.388
16-45.3492-114.2678-2-12-	0-L16303	5118	490	23980	223	-2	13.5	18.9	-272	-2	2	25.3	4733	77	16.9	-47	1.011
16-45.3375-114.2622-2-12-	0-L16304	6471	668	14710	191	-2	11.0	9.0	-264	-1	-1	14.0	3517	67	6.7	-53	0.389
16-45.3308-114.2436-2-15-	0-L16305	6279	448	18200	165	-2	13.7	26.0	-193	3	3	32.1	5326	63	32.5	59	2.115
16-45.3278-114.2433-2-12-	0-L16306	4622	432	9465	129	-2	8.5	9.4	-228	-1	-1	13.2	2856	45	5.0	120	0.741
16-45.3289-114.2383-2-12-	0-L16307	4899	245	17990	143	-2	9.8	8.0	350	-1	-1	18.2	3199	58	5.7	63	0.371
16-45.3475-114.2731-2-12-	0-L16308	4901	310	17750	136	-2	10.1	15.4	-208	-1	1	18.2	3504	56	12.5	-33	0.796
16-45.3894-114.0497-2-15-	0-L16309	5887	504	11130	156	3	10.3	6.5	-209	-1	-1	12.3	3241	66	4.7	-45	0.420
16-45.3844-114.0631-2-15-	0-L16310	5333	391	12410	175	-2	11.6	8.4	-196	-1	-1	13.4	3047	56	4.9		0.272
16-45.3956-114.1153-2-12-	0-L16311	8113	426	16120	105	-2	15.1	10.5	-238	-1	1	16.9	5021	87	8.3	-42	0.483
16-45.3933-114.1300-2-12-	0-L16312	19320	1073	17110	115	-3	32.6	12.0	-320	-2	-1	21.9	7708	188	9.8	-56	0.180
16-45.5031-114.4625-2-11-	0-L16313	-2383	598	30010	173	-2	8.7	13.6	-283	3	-1	56.3	4809	35	10.7	158	0.390
16-45.5033-114.4708-2-12-	0-L16314	3901	611	33430	144	-2	8.0	25.2	-290	9	2	94.0	4250	28	18.0	-9	0.401
16-45.4958-114.4842-2-15-	0-L16315	4419	389	28030	135	-2	9.7	18.9	-255	4	2	41.5	4002	42	14.3	-40	0.595
16-45.5050-114.4600-2-12-	0-L16316	4003	497	30990	161	-2	9.7	28.8	-278	6	1	91.1	5317	38	15.9	164	0.457
16-45.4953-114.4319-2-12-	0-L16317	4579	642	23550	102	-2	9.6	28.5	-249	-2	3	45.1	4896	57	27.2	73	1.374
16-45.4972-114.4289-2-12-	0-L16318	5137	404	24770	141	-2	10.3	17.7	-233	-2	1	27.1	3443	50	14.9	-34	0.786
16-45.4556-114.4558-2-11-	0-L16319	7075	1149	17760	-53	-3	12.4	20.1	-459	-2	-1	28.7	4921	62	14.8	-101	0.569
16-45.4725-114.4386-2-11-	0-L16320	6054	604	18320	144	-3	11.7	19.8	-339	-2	-1	36.3	4575	61	16.5	-166	0.644
16-45.4567-114.3806-2-11-	0-L16321	6999	640	28990	129	-2	8.7	25.4	-293	-2	2	42.3	3209	65	16.8	163	2.690
16-45.3933-114.2561-2-12-	0-L16322	11420	775	17880	142	-3	22.0	17.9	-302	3	1	31.3	6220	123	16.4	211	0.535
16-45.4333-114.2636-2-12-	0-L16323	24120	1317	18040	-49	-3	40.1	8.5	-347	-1	-1	11.2	10880	242	8.2	-58	0.230
16-45.4331-114.2658-2-12-	0-L16324	17430	855	20430	123	-2	25.7	11.2	-275	-1	2	20.8	5913	141	10.9	-47	0.376
16-45.4208-114.2703-2-12-	0-L16325	17590	840	21450	102	-2	27.6	11.8	-243	-1	1	19.2	5858	153	11.6	114	0.387
16-45.4214-114.2853-2-12-	0-L16326	4940	495	27060	160	-2	12.0	23.4	-250	2	2	33.1	4607	60	20.4	85	0.926
16-45.4606-114.3481-2-11-	0-L16327	6651	1001	20290	153	-3	11.8	10.9	-421	-2	-1	24.2	4301	66	9.5	239	0.333
16-45.3972-114.4419-2-11-	0-L16328	-2903	202	35110	-41	-2	4.9	17.1	446	-2	2	20.7	1564	20	12.0	74	2.217
16-45.4156-114.3786-2-99-	0-L16329	5683	1749	21340	146	-2	9.9	15.1	-387	-1	2	41.0	3634	46	16.8	-132	0.229
16-45.4275-114.3622-2-15-	0-L16330	-2678	1675	18880	128	-2	9.1	11.4	-423	-2	-1	21.9	4055	72	7.5	173	0.229
16-45.4561-114.3208-2-11-	0-L16331	8533	904	22790	212	-3	17.4	16.6	-356	-2	-1	37.2	6138	85	13.0	-121	0.235

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.4231-	114.2839-	2-	12-		0-L16332-	07/09/79-	19-	28-	13.0-	-	-	-	154-		11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-3-	-	-	-	-	11.34
16-	45.3442-	114.4628-	2-	11-		0-L16333-	07/10/79-	12-	30-	44.5-	C-	-	9.2-	955-		35-	1-	7-	4-	6-	3-	3-	1-	-1-	3-	3-	2-	-8-	-	-	-	-	39.51
16-	45.3706-	114.4781-	2-	12-		0-L16334-	07/10/79-	13-	30-	13.1-	-	-	8.1-	24-		20-	1-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	25.21
16-	45.3683-	114.4783-	2-	12-		0-L16335-	07/10/79-	13-	31-	16.2-	-	-	8.7-	35-		10-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	5.24
16-	45.3403-	114.4603-	2-	12-		0-L16336-	07/10/79-	14-	31-	13.4-	-	-	8.7-	44-		12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	21.23
16-	45.1461-	114.2217-	2-	12-		0-L16337-	07/11/79-	11-	30-	10.2-	-	-	8.2-	183-		12-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	8.70
16-	45.1600-	114.2528-	2-	12-		0-L16338-	07/11/79-	11-	30-	11.1-	-	-	-	31-		25-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	26.80
16-	45.2483-	114.2797-	2-	12-		0-L16339-	07/11/79-	12-	31-	9.8-	-	-	-	49-		25-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	8.59
16-	45.2503-	114.3167-	2-	12-		0-L16340-	07/11/79-	12-	31-	12.1-	-	-	-	61-		14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	4.99
16-	45.2747-	114.3319-	2-	12-		0-L16341-	07/11/79-	13-	31-	13.4-	-	-	-	15-		15-	2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	3-	2-	-3-	-	-	-	-	6.16
16-	45.3261-	114.4239-	2-	12-		0-L16342-	07/11/79-	13-	31-	11.9-	-	-	-	188-		17-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	14.60
16-	45.3197-	114.4483-	2-	12-		0-L16343-	07/11/79-	13-	31-	15.1-	C-	-	9.3-	31-		20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	6.23
16-	45.3761-	114.2772-	2-	12-		0-L16344-	07/11/79-	14-	30-	15.2-	C-	-	9.9-	15-		20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-2-	-	-	-	-	15.24
16-	45.3628-	114.2979-	2-	12-		0-L16345-	07/11/79-	14-	30-	15.6-	-	-	-	43-		11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	12.16
16-	45.3131-	114.4047-	2-	12-		0-L16346-	07/11/79-	14-	30-	13.8-	-	-	-	58-		8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	7.63
16-	45.3122-	114.4011-	2-	12-		0-L16347-	07/11/79-	14-	30-	13.4-	-	-	-	52-		11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	30.10
16-	45.3039-	114.3939-	2-	15-		0-L16348-	07/11/79-	15-	30-	-	-	-	-	-		14-	2-	6-	5-	6-	-1-	-2-	3-	3-	3-	2-	-3-	-	-	-	-	-	-	9.62
16-	45.2975-	114.3614-	2-	15-		0-L16349-	07/11/79-	15-	31-	-	-	-	-	-		25-	2-	8-	4-	6-	-1-	-2-	3-	3-	3-	2-	-1-	-	-	-	-	-	-	26.77
16-	45.2711-	114.3358-	2-	15-		0-L16350-	07/11/79-	15-	30-	-	-	-	-	-		25-	2-	6-	5-	6-	-1-	-2-	3-	3-	3-	2-	-3-	-	-	-	-	-	-	10.33
16-	45.2567-	114.3211-	2-	15-		0-L16351-	07/11/79-	16-	29-	-	C-	-	-	-		9-	2-	6-	3-	6-	-1-	-2-	3-	3-	3-	2-	-3-	-	-	-	-	-	-	7.76
16-	45.2289-	114.3206-	2-	12-		0-L16352-	07/11/79-	16-	29-	14.1-	-	-	9.2-	294-		30-	2-	6-	5-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	38.21
16-	45.2175-	114.3214-	2-	12-		0-L16353-	07/11/79-	16-	29-	13.1-	-	-	8.4-	21-		20-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	30.04
16-	45.2075-	114.3211-	2-	12-		0-L16354-	07/11/79-	17-	28-	13.3-	-	-	8.5-	61-		40-	2-	6-	2-	7-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	29.44
16-	45.1489-	114.2383-	2-	12-		0-L16355-	07/11/79-	18-	28-	11.7-	-	-	8.3-	54-		15-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	10.90
16-	45.1992-	115.8589-	2-	12-		0-L16356-	07/15/79-	15-	26-	9.8-	-	-	7.7-	3-		12-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	8.77
16-	45.1611-	115.8925-	2-	12-		0-L16357-	07/15/79-	17-	28-	4.9-	-	-	8.2-	1-		14-	2-	7-	3-	6-	3-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	29.55
16-	45.1611-	115.8939-	2-	12-		0-L16358-	07/15/79-	17-	28-	3.4-	-	-	7.6-	3-		13-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	7.91
16-	45.1664-	115.8767-	2-	11-		0-L16359-	07/15/79-	17-	28-	7.2-	-	-	8.3-	6-		7-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-1-	-	-	-	-	-	6.24
16-	45.1706-	115.8678-	2-	12-		0-L16360-	07/15/79-	18-	27-	14.0-	-	-	7.7-	5-		12-	2-	6-	4-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	1.65
16-	45.3442-	115.6986-	2-	12-		0-L16361-	07/17/79-	12-	29-	13.8-	-	-	8.1-	39-		14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	9.80
16-	45.3419-	115.6947-	2-	12-		0-L16362-	07/17/79-	12-	29-	16.1-	-	-	7.6-	44-		35-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	7.37
16-	45.1636-	114.2825-	2-	15-		0-L16363-	07/09/79-	19-	25-	-	-	-	-	-		10-	1-	7-	4-	6-	-1-	-2-	4-	4-	5-	2-	-1-	-	-	-	-	-	-	6.51
16-	45.1639-	114.2975-	2-	12-		0-L16364-	07/09/79-	20-	25-	11.0-	C-	-	6.0-	49-			-1-	7-	5-	8-	2-	3-	1-	2-	2-	4-	3-	2-	-1-	-	-	-	-	21.00
16-	45.1597-	114.3083-	2-	15-		0-L16365-	07/09/79-	20-	25-	-	-	-	-	-		8-	3-	8-	5-	8-	-1-	-2-	2-	4-	5-	2-	-1-	-	-	-	-	-	-	16.63
16-	45.1756-	114.3144-	2-	12-		0-L16366-	07/09/79-	20-	25-	14.7-	-	-	6.1-	32-		10-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	18.33
16-	45.1758-	114.3122-	2-	12-		0-L16367-	07/09/79-	20-	25-	14.7-	-	-	6.3-	24-		10-	1-	7-	4-	6-	4-	3-	1-	2-	2-	4-	4-	2-	-1-	-	-	-	-	8.17
16-	45.2028-	114.3158-	2-	15-		0-L16368-	07/09/79-	21-	25-	-	-	-	-	-		10-	1-	7-	4-	6-	-1-	-2-	4-	4-	5-	2-	-1-	-	-	-	-	-	-	19.58
16-	45.3994-	114.0292-	2-	12-		0-L16369-	07/11/79-	12-	24-	5.3-	-	-	7.6-	159-		8-	3-	8-	2-	6-	3-	3-	1-	2-	1-	2-	4-	1-	-1-	-	-	-	-	9.74
16-	45.3822-	114.0628-	2-	12-		0-L16370-	07/11/79-	13-	29-	21.2-	-	-	7.5-	75-		15-	1-	7-	4-	7-	3-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	6.61
16-	45.3747-	114.0867-	2-	12-		0-L16371-	07/11/79-	14-	28-	14.6-	-	-	7.7-	61-		10-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	18.27
16-	45.3825-	114.1056-	2-	15-		0-L16372-	07/11/79-	15-	24-	-	-	-	-	-		10-	3-	8-	4-	6-	-1-	-1-	1-	2-	5-	1-	-1-	-	-	-	-	-	-	5.44
16-	45.3908-	114.1417-	2-	15-		0-L16373-	07/11/79-	14-	26-	-	-	-	-	-		4-	1-	7-	4-	4-	-1-	-2-	4-	4-	4-	2-	-1-	-	-	-	-	-	-	20.47
16-	45.3958-	114.1694-	2-	12-		0-L16374-	07/11/79-	15-	27-	17.0-	-	-	7.5-	20-		25-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	11.55
16-	45.3975-	114.1861-	2-	12-		0-L16375-	07/11/79-	15-	24-	14.1-	-	-	7.2-	63-		2-	1-	7-	4-	6-	3-	3-	1-	2-	2-	4-	3-	2-	-1-	-	-	-	-	94.55
16-	45.3975-	114.2053-	2-	15-		0-L16376-	07/11/79-	16-	26-	-	-	-	-	-		25-	1-	7-	4-	7-	-1-	-2-	2-	4-	3-	1-	-1-	-	-	-	-	-	-	18.90
16-	45.3794-	114.2725-	2-	15-		0-L16377-	07/11/79-	17-	29-	-	-	-	-	-		13-	1-	7-	4-	6-	-1-	-3-	1-	3-	4-	2-	-1-	-	-	-	-	-	-	8.81
16-	45.3603-	114.3125-	2-	12-		0-L16378-	07/11/79-	17-	25-	14.6-	-	-	7.6-	95-		14-	1-	7-	4-	7-	2-	2-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	32.44
16-	45.2136-	115.8067-	2-	12-		0-L16379-	07/15/79-	12-	29-	7.0-	-	-	8.1-	20-		14-	2-	7-	3-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-3-	-	-	-	-	6.62
16-	45.3514-	114.3269-	2-	15-		0-L16380-	07/11/79-	19-	25-	-	-	-	-	-		11-	1-	7-	4-	6-	-1-	-2-	3-	3-	3-	1-	-1-	-	-	-	-	-	-	7.37
16-	45.3417-	114.3361-	2-	12-		0-L16381-	07/11/79-	18-	24-	14.0-	-	-	6.6-	69-		1-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	25.21
16-	45.3308-	114.3653-	2-	12-		0-L16382-	07/11/79-	21-	25-	14.2-	-	-	7.5-	93-		11-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	14.95

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.4231-	114.2839-	2-	12-	0-	L16332	-5	6	-5	-10	-20	16	-5	-10	-15	11	-5	980	3	34
16-	45.3442-	114.4628-	2-	11-	0-	L16333	-5	-5	-5	-10	-20	29	-5	-10	-15	-5	-5	1231	5	41
16-	45.3706-	114.4781-	2-	12-	0-	L16334	-5	7	-5	-10	-20	-15	17	-10	27	-5	-5	942	3	28
16-	45.3683-	114.4783-	2-	12-	0-	L16335	-5	-5	-5	22	-20	30	37	-10	-15	-5	-5	449	2	28
16-	45.3403-	114.4603-	2-	12-	0-	L16336	-5	10	-5	-10	-20	17	12	-10	27	5	-5	752	3	22
16-	45.1461-	114.2217-	2-	12-	0-	L16337	5	-5	-5	45	-20	33	-5	-10	-15	12	-5	415	2	32
16-	45.1600-	114.2528-	2-	12-	0-	L16338	-5	8	-5	22	-20	16	8	-10	-15	8	-5	773	3	34
16-	45.2483-	114.2797-	2-	12-	0-	L16339	-5	5	-5	19	-20	-15	6	-10	-15	8	-5	601	2	7
16-	45.2503-	114.3167-	2-	12-	0-	L16340	-5	-5	-5	42	-20	51	-5	-10	-15	8	-5	847	2	26
16-	45.2747-	114.3319-	2-	12-	0-	L16341	-5	6	-5	74	-20	17	15	-10	18	9	-5	687	2	23
16-	45.3261-	114.4239-	2-	12-	0-	L16342	-5	6	-5	18	-20	26	5	-10	-15	9	-5	541	3	36
16-	45.3197-	114.4483-	2-	12-	0-	L16343	-5	-5	-5	25	-20	19	16	-10	-15	6	-5	532	2	19
16-	45.3761-	114.2772-	2-	12-	0-	L16344	-5	5	-5	13	-20	21	34	10	-15	17	-5	1380	2	24
16-	45.3628-	114.2978-	2-	12-	0-	L16345	-5	8	-5	16	-20	-15	231	-10	19	26	-5	1029	3	25
16-	45.3131-	114.4047-	2-	12-	0-	L16346	-5	8	-5	25	-20	-15	8	-10	-15	9	-5	460	2	23
16-	45.3122-	114.4011-	2-	12-	0-	L16347	14	111	-5	968	58	41	-5	15	-15	179	-5	4518	-1	11
16-	45.3039-	114.3939-	2-	15-	0-	L16348	-5	46	-5	435	-20	-15	-5	-10	-15	132	-5	945	2	17
16-	45.2975-	114.3614-	2-	15-	0-	L16349	21	1410	-5	939	22	-15	7	20	25	5911	11	5165	-1	18
16-	45.2711-	114.3358-	2-	15-	0-	L16350	-5	13	-5	55	-20	18	6	-10	-15	17	-5	366	-1	116
16-	45.2567-	114.3211-	2-	15-	0-	L16351	-5	11	-5	33	-20	29	10	-10	-15	11	-5	660	3	62
16-	45.2289-	114.3206-	2-	12-	0-	L16352	-5	14	-5	71	-20	-15	-5	-10	16	24	-5	264	3	78
16-	45.2175-	114.3214-	2-	12-	0-	L16353	17	364	-5	1112	54	-15	-5	16	25	433	-5	4399	2	20
16-	45.2075-	114.3211-	2-	12-	0-	L16354	14	139	-5	499	48	16	-5	18	27	198	-5	4905	-1	18
16-	45.1489-	114.2393-	2-	12-	0-	L16355	-5	205	-5	418	-20	-15	7	10	-15	465	-5	1549	2	19
16-	45.1992-	115.8589-	2-	12-	0-	L16356	-5	14	-5	10	-20	-15	10	-10	18	39	-5	208	3	83
16-	45.1611-	115.8925-	2-	12-	0-	L16357	-5	-5	-5	28	-20	-15	11	-10	-15	25	-5	127	3	28
16-	45.1611-	115.8939-	2-	12-	0-	L16358	-5	9	-5	38	-20	-15	11	-10	-15	13	-5	185	2	24
16-	45.1664-	115.8767-	2-	11-	0-	L16359	-5	10	-5	16	-20	144	12	-10	-15	9	-5	176	2	41
16-	45.1706-	115.8678-	2-	12-	0-	L16360	-5	6	-5	13	-20	-15	17	-10	-15	-5	-5	127	2	23
16-	45.3442-	115.6986-	2-	12-	0-	L16361	-5	17	-5	12	-20	-15	7	-10	18	43	-5	365	3	30
16-	45.3419-	115.6947-	2-	12-	0-	L16362	-5	16	-5	13	-20	-15	12	-10	22	37	-5	226	3	28
16-	45.1636-	114.2825-	2-	15-	0-	L16363	-5	8	-5	38	-20	23	8	-10	-15	14	-5	340	2	30
16-	45.1639-	114.2975-	2-	12-	0-	L16364	-5	6	-5	374	-20	-15	-5	12	-15	82	-5	435	1	22
16-	45.1697-	114.3083-	2-	15-	0-	L16365	10	1016	-5	603	-20	-15	-5	19	19	3998	5	2873	-1	24
16-	45.1756-	114.3144-	2-	12-	0-	L16366	-5	9	-5	1711	-20	-15	-5	-10	19	24	-5	279	4	22
16-	45.1758-	114.3122-	2-	12-	0-	L16367	-5	84	-5	385	-20	-15	7	-10	-15	197	-5	1267	-1	17
16-	45.2028-	114.3158-	2-	15-	0-	L16368	-5	8	-5	35	-20	26	23	-10	-15	14	-5	298	-1	34
16-	45.3994-	114.0292-	2-	12-	0-	L16369	-5	7	-5	15	-20	-15	25	11	-15	7	-5	328	2	38
16-	45.3822-	114.0628-	2-	12-	0-	L16370	-5	13	-5	12	-20	-15	34	-10	17	17	-5	476	2	31
16-	45.3747-	114.0867-	2-	12-	0-	L16371	-5	5	-5	95	-20	34	7	-10	19	12	-5	1343	1	21
16-	45.3825-	114.1055-	2-	15-	0-	L16372	-5	15	-5	59	-20	56	-5	-10	-15	54	-5	522	-1	27
16-	45.3908-	114.1417-	2-	15-	0-	L16373	-5	12	-5	30	-20	29	10	-10	26	9	-5	661	3	38
16-	45.3958-	114.1694-	2-	12-	0-	L16374	6	11	-5	-10	-20	-15	8	13	-15	20	-5	1513	2	19
16-	45.3975-	114.1861-	2-	12-	0-	L16375	-5	11	-5	10	-20	21	19	-10	-15	10	-5	1439	4	28
16-	45.3975-	114.2053-	2-	15-	0-	L16376	-5	7	-5	31	-20	26	39	-10	-15	14	-5	232	2	30
16-	45.3794-	114.2725-	2-	15-	0-	L16377	-5	6	-5	34	-20	19	-5	18	20	16	-5	653	4	127
16-	45.3603-	114.3125-	2-	12-	0-	L16378	-5	9	-5	16	-20	-15	31	-10	-15	20	-5	900	-1	40
16-	45.2136-	115.8067-	2-	12-	0-	L16379	-5	9	-5	-10	-20	-15	15	-10	-15	8	-5	122	2	39
16-	45.3514-	114.3269-	2-	15-	0-	L16380	-5	6	-5	11	-20	21	16	-10	-15	6	-5	437	2	30
16-	45.3417-	114.3361-	2-	12-	0-	L16381	-5	-5	-5	-10	-20	-15	16	-10	-15	-5	-5	463	3	21
16-	45.3309-	114.3653-	2-	12-	0-	L16382	-5	7	-5	10	-20	-15	12	-10	19	6	-5	663	-1	41

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.4231-	114.2839-	2-	12-		0-L16332	74600	-0.09	727	20790	271	228	8.2	56	5.2	21	2.3	31420	46.0	19750	110	1.9
16-	45.3442-	114.4628-	2-	11-		0-L16333	72970	-0.09	957	17110	1055	-118	5.7	75	13.3	85	7.0	31000	193.3	21070	419	7.9
16-	45.3705-	114.4781-	2-	12-		0-L16334	73610	-0.06	773	15760	282	-129	4.8	39	3.4	28	2.6	20250	42.2	21580	111	2.6
16-	45.3683-	114.4783-	2-	12-		0-L16335	65350	-0.07	1178	12850	133	-99	8.5	70	3.2	9	1.8	30230	17.0	29170	50	0.8
16-	45.3403-	114.4603-	2-	12-		0-L16336	74480	-0.07	695	20560	176	-119	6.5	51	3.7	17	2.0	21980	35.1	16420	78	1.6
16-	45.1461-	114.2217-	2-	12-		0-L16337	63310	-0.08	713	50560	249	1371	38.8	90	8.7	10	4.3	94190	12.0	16350	112	0.5
16-	45.1500-	114.2528-	2-	12-		0-L16338	67120	-0.08	698	16130	181	737	12.3	55	7.9	17	1.9	36800	37.1	21290	79	1.3
16-	45.2493-	114.2797-	2-	12-		0-L16339	37970	-0.06	462	7910	95	195	5.9	38	3.4	8	1.3	22940	26.1	19410	41	0.7
16-	45.2503-	114.3167-	2-	12-		0-L16340	65920	-0.10	365	38940	228	959	31.3	117	5.1	21	2.6	76160	51.1	17240	75	1.8
16-	45.2747-	114.3319-	2-	12-		0-L16341	63690	-0.06	872	20420	156	473	17.4	57	4.8	13	1.6	40920	30.1	30860	63	1.1
16-	45.3261-	114.4239-	2-	12-		0-L16342	71680	-0.08	1032	12850	191	403	10.3	63	5.7	15	2.6	46980	23.2	33430	81	0.9
16-	45.3197-	114.4483-	2-	12-		0-L16343	57890	-0.06	1091	14660	172	-90	7.2	54	2.7	12	1.6	27010	24.7	28610	63	1.1
16-	45.3761-	114.2772-	2-	12-		0-L16344	67090	3.37	497	31370	222	409	18.9	65	5.0	24	2.9	58260	76.1	20640	80	2.7
16-	45.3628-	114.2978-	2-	12-		0-L16345	65750	3.69	701	12890	164	259	7.8	43	4.1	14	1.7	38680	35.4	28000	73	1.1
16-	45.3131-	114.4047-	2-	12-		0-L16346	62190	-0.05	1604	9488	142	243	11.5	45	4.0	10	1.5	31080	20.3	38370	60	0.8
16-	45.3122-	114.4011-	2-	12-		0-L16347	39570	1.14	284	18100	559	299	157.1	110	3.3	39	4.4	88510	272.2	10910	238	5.4
16-	45.3039-	114.3939-	2-	15-		0-L16348	52910	0.16	615	15130	154	454	157.4	54	5.1	15	1.8	36930	38.4	20740	68	1.3
16-	45.2975-	114.3614-	2-	15-		0-L16349	42900	2.10	429	8915	391	828	396.1	78	4.7	54	4.9	84820	222.5	20740	167	5.5
16-	45.2711-	114.3358-	2-	15-		0-L16350	69820	-0.11	667	14430	214	674	18.7	53	8.1	17	1.9	57230	17.9	33020	76	1.2
16-	45.2567-	114.3211-	2-	15-		0-L16351	68350	-0.10	673	21810	228	744	20.1	80	10.7	20	1.9	59040	28.0	28090	89	1.3
16-	45.2289-	114.3206-	2-	12-		0-L16352	82690	-0.09	-136	26180	267	654	17.4	56	11.3	26	2.4	52530	12.4	25420	129	1.4
16-	45.2175-	114.3214-	2-	12-		0-L16353	39080	0.72	396	11920	386	306	127.1	87	4.0	39	4.0	71030	209.9	14660	173	4.8
16-	45.2075-	114.3211-	2-	12-		0-L16354	33550	1.18	279	14210	455	401	94.4	86	3.8	37	3.7	66120	229.3	16240	187	4.9
16-	45.1439-	114.2383-	2-	12-		0-L16355	50280	1.74	625	9371	161	370	279.4	44	5.6	15	2.4	37680	68.9	20450	70	1.6
16-	45.1992-	115.8589-	2-	12-		0-L16356	105800	-0.06	639	19280	230	-140	4.7	31	2.4	9	1.3	18990	8.0	15920	111	0.4
16-	45.1611-	115.8925-	2-	12-		0-L16357	66730	-0.09	733	20430	87	-184	6.1	25	3.8	6	1.7	19950	5.0	14860	63	0.4
16-	45.1611-	115.8939-	2-	12-		0-L16358	83580	-0.06	543	19840	150	-144	4.8	15	1.8	6	1.1	11280	6.3	18240	77	0.3
16-	45.1664-	115.8767-	2-	11-		0-L16359	93570	-0.05	609	20780	237	-131	-1.1	16	-1.2	5	1.2	12440	6.9	17430	117	0.2
16-	45.1706-	115.8678-	2-	12-		0-L16360	84920	-0.03	944	20380	94	-113	-0.7	-5	-0.8	3	0.8	6813	4.2	15540	45	0.2
16-	45.3442-	115.6986-	2-	12-		0-L16361	103600	-0.06	1270	11970	415	-121	4.4	27	-1.5	11	2.2	20500	14.8	25330	198	0.5
16-	45.3419-	115.6947-	2-	12-		0-L16362	91130	0.50	977	18430	535	-134	-1.6	19	-1.4	18	2.0	11090	10.4	18500	265	0.8
16-	45.1635-	114.2825-	2-	15-		0-L16343	63050	-0.08	868	10150	124	1265	12.2	57	6.8	9	1.4	33910	16.8	32360	57	0.8
16-	45.1639-	114.2975-	2-	12-		0-L16344	43110	-0.07	577	4178	114	2050	166.2	41	9.2	14	1.6	51260	17.8	22820	51	1.0
16-	45.1697-	114.3083-	2-	15-		0-L16345	49200	3.38	552	8314	234	736	671.4	70	9.3	28	3.5	65860	130.7	22620	101	3.0
16-	45.1756-	114.3144-	2-	12-		0-L16346	42890	-0.06	284	8088	116	275	80.5	33	3.3	10	0.8	19440	16.1	19650	48	1.0
16-	45.1758-	114.3122-	2-	12-		0-L16347	47350	-0.07	628	9471	137	323	175.9	56	3.9	14	1.9	32320	51.0	18320	57	1.3
16-	45.2029-	114.3158-	2-	15-		0-L16348	42270	-0.09	595	14050	173	951	16.0	83	11.2	15	1.8	43370	14.7	22940	85	0.9
16-	45.3994-	114.0292-	2-	12-		0-L16349	52560	-0.06	780	6980	107	151	5.6	54	21.6	6	1.5	22770	12.8	25330	50	0.5
16-	45.3822-	114.0628-	2-	12-		0-L16370	69510	-0.06	749	12770	168	133	8.7	78	6.5	7	1.5	25010	22.5	27030	72	0.7
16-	45.3747-	114.0867-	2-	12-		0-L16371	56380	2.50	638	23840	129	617	19.2	83	4.1	16	2.6	50790	65.3	17060	56	1.6
16-	45.3825-	114.1056-	2-	15-		0-L16372	66320	-0.08	659	39470	96	926	26.7	137	6.5	9	1.7	53950	18.6	17050	41	0.9
16-	45.3908-	114.1417-	2-	15-		0-L16373	71690	-0.09	723	17350	243	766	12.8	71	5.9	22	2.7	47090	34.0	23610	109	1.7
16-	45.3958-	114.1694-	2-	12-		0-L16374	54860	-0.08	494	25160	204	254	8.0	83	3.0	30	2.8	27330	73.3	18450	79	3.2
16-	45.3975-	114.1861-	2-	12-		0-L16375	73090	-0.10	620	17150	249	590	9.6	45	7.2	34	3.0	35260	74.3	23770	117	3.0
16-	45.3975-	114.2053-	2-	15-		0-L16376	72940	-0.08	1065	13990	88	-112	10.8	98	6.0	6	1.4	31730	8.0	28160	42	0.5
16-	45.3794-	114.2725-	2-	15-		0-L16377	68090	-0.10	507	13210	173	-128	16.8	56	11.3	27	2.9	72690	27.6	27450	65	2.2
16-	45.3603-	114.3125-	2-	12-		0-L16378	76280	0.41	745	16810	253	-126	8.5	92	3.5	20	2.2	33790	56.6	19420	97	2.2
16-	45.2136-	115.8067-	2-	12-		0-L16379	99500	-0.05	724	20770	196	-138	2.2	-7	-1.0	10	1.4	8917	5.1	18980	89	0.6
16-	45.3514-	114.3269-	2-	15-		0-L16330	82300	-0.06	943	18550	110	-134	9.6	67	2.9	9	1.4	27900	20.1	22700	52	0.8
16-	45.3417-	114.3361-	2-	12-		0-L16331	79920	0.46	922	15150	167	-135	4.2	40	2.0	14	2.3	18950	26.5	19090	71	1.4
16-	45.3308-	114.3653-	2-	12-		0-L16332	82690	-0.09	980	14040	153	-136	7.1	57	3.8	18	1.8	31940	25.2	29720	59	1.3

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAB SAMPLE LOCATION NUMBER	Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.4231-	114.2839-	2-	12-		0-L16332	7661	413	23830	108	-2	16.9	26.1	359	3	2	31.1	5013	68	17.0	70	0.365
16-	45.3442-	114.4528-	2-	11-		0-L16333	3790	441	27760	145	-2	10.2	78.4	-231	-3	8	216.1	5920	53	84.4	117	0.183
16-	45.3706-	114.4781-	2-	12-		0-L16334	2947	264	28290	149	-2	8.2	28.6	418	2	3	55.2	3549	37	27.0	-15	0.457
16-	45.3682-	114.4783-	2-	12-		0-L16335	5008	447	18220	115	-2	9.3	10.0	-242	-1	1	17.4	4186	49	7.0	146	0.301
16-	45.3403-	114.4603-	2-	12-		0-L16336	7089	319	30120	118	-2	9.3	21.3	561	2	2	33.0	4750	54	14.8	70	0.643
16-	45.2451-	114.2217-	2-	12-		0-L16337	24290	1629	13380	114	-2	18.6	17.8	-318	3	1	9.8	15520	175	6.4	146	0.888
16-	45.1603-	114.2528-	2-	12-		0-L16338	6967	559	14090	118	-2	14.7	17.8	-254	-2	-1	25.5	5698	78	12.5	-132	1.051
16-	45.2463-	114.2797-	2-	12-		0-L16339	4710	575	6105	117	-1	7.9	6.8	-218	-1	-1	15.5	3363	48	7.5	76	0.554
16-	45.2503-	114.3147-	2-	12-		0-L16340	21990	1203	14390	-45	-3	35.3	24.9	-313	-2	2	24.8	7319	171	18.9	-56	0.201
16-	45.2747-	114.3319-	2-	12-		0-L16341	8261	627	14520	179	-2	15.4	13.0	-205	-1	1	30.4	4994	97	10.9	126	0.203
16-	45.3261-	114.4239-	2-	12-		0-L16342	5258	514	17790	221	-2	11.9	16.2	-269	-2	2	31.0	4770	71	10.1	146	0.471
16-	45.3197-	114.4483-	2-	12-		0-L16343	4989	319	18530	118	-1	7.1	13.4	-206	-1	-1	27.3	3506	52	10.9	98	0.228
16-	45.3761-	114.2772-	2-	12-		0-L16344	10200	949	21220	144	-2	25.8	27.2	-289	-2	2	40.3	10080	150	25.5		0.378
16-	45.3628-	114.2978-	2-	12-		0-L16345	4863	339	19500	152	-2	10.3	12.6	-204	-2	1	24.0	4318	54	11.8	146	0.507
16-	45.3171-	114.4047-	2-	12-		0-L16346	4811	300	14800	201	-1	9.0	11.5	-174	2	-1	19.8	4283	56	7.9	49	0.385
16-	45.3122-	114.4011-	2-	12-		0-L16347	6719	1395	10670	-54	-2	16.3	34.0	-322	12	4	80.9	15100	121	49.9	89	0.372
16-	45.3039-	114.3939-	2-	15-		0-L16348	7112	551	13490	109	-2	11.7	12.6	-189	3	1	24.9	4870	69	14.3	-56	0.386
16-	45.2975-	114.3614-	2-	15-		0-L16349	4623	732	9728	-71	12	10.7	37.9	-249	7	4	58.0	8491	75	52.6	-12	0.462
16-	45.2711-	114.3358-	2-	15-		0-L16350	11570	974	11680	253	-3	17.9	16.0	-363	-2	-1	42.2	6547	98	11.8	153	0.245
16-	45.2567-	114.3211-	2-	15-		0-L16351	15670	1121	14070	298	-3	20.3	19.5	-356	-2	2	48.2	9108	106	14.5		0.161
16-	45.2289-	114.3206-	2-	12-		0-L16352	8965	1112	9917	228	-3	17.5	27.7	-326	-2	3	70.9	5138	72	15.7	109	0.539
16-	45.2175-	114.3214-	2-	12-		0-L16353	4223	1008	9601	132	3	10.8	37.7	-254	9	3	64.3	12310	93	47.1	-60	0.467
16-	45.2075-	114.3211-	2-	12-		0-L16354	3875	1026	10590	96	-2	12.2	41.7	-280	10	4	77.7	13400	88	44.0	-39	0.379
16-	45.1489-	114.2393-	2-	12-		0-L16355	5298	545	11230	-55	3	8.4	14.7	-231	3	-1	20.9	5613	53	15.0	-55	0.522
16-	45.1992-	115.8599-	2-	12-		0-L16356	5360	369	33120	92	-2	6.4	14.1	-253	-2	-1	34.8	3006	45	5.1	84	0.252
16-	45.1611-	115.8925-	2-	12-		0-L16357	-2904	1003	18330	-46	-2	5.7	10.7	-422	-2	-1	12.7	2245	52	3.6	-59	2.327
16-	45.1511-	115.8939-	2-	12-		0-L16358	-2453	487	33920	-27	-1	3.9	9.9	-317	-1	-1	20.1	1764	25	3.3	-25	0.394
16-	45.1564-	115.8767-	2-	11-		0-L16359	-2342	324	35350	72	-1	3.5	15.3	714	-1		28.6	1767	20	3.8	54	0.218
16-	45.1706-	115.8678-	2-	12-		0-L16360	-1872	223	32300	49	-1	1.7	5.4	718	-1		11.8	-458	-6	1.8	26	0.140
16-	45.3442-	115.6986-	2-	12-		0-L16361	3963	390	18420	103	-2	5.1	26.2	329	-2	1	65.3	2920	44	5.5	65	0.150
16-	45.3419-	115.6947-	2-	12-		0-L16362	-2350	459	36390	-30	-2	3.0	33.5	776	-2	2	76.7	1488	16	9.6	95	0.096
16-	45.1536-	114.2825-	2-	15-		0-L16363	5119	497	15710	185	-2	12.4	9.1	-270	3	-1	21.9	4277	67	6.6	70	0.297
16-	45.1639-	114.2975-	2-	12-		0-L16364	6203	271	3181	196	-2	7.2	11.1	-146	-2	1	13.9	2673	43	9.9	-62	1.511
16-	45.1697-	114.3083-	2-	15-		0-L16365	4543	522	9642	-99	8	9.2	21.1	-228	-4	2	31.6	6134	62	29.8	-121	0.526
16-	45.1755-	114.3144-	2-	12-		0-L16366	3980	328	14170	155	-2	5.6	9.6	-195	4	-1	31.0	2506	32	9.7	59	0.591
16-	45.1758-	114.3122-	2-	12-		0-L16367	3390	530	11170	-42	-2	7.7	10.9	-209	3	1	19.5	5319	45	12.6	72	0.419
16-	45.2028-	114.3158-	2-	15-		0-L16368	9831	973	11080	193	-2	15.7	17.2	-296	-2	2	30.3	5188	86	9.9	128	0.646
16-	45.3994-	114.0292-	2-	12-		0-L16369	4322	222	9657	138	-1	8.1	8.9	-157	-1	-1	11.7	2351	47	4.3	120	0.832
16-	45.3322-	114.0628-	2-	12-		0-L16370	5212	426	16360	144	3	7.6	10.9	-228	2	-1	27.5	3574	42	6.5	128	0.240
16-	45.3747-	114.0867-	2-	12-		0-L16371	11070	969	13550	-45	-2	21.4	18.7	-302	-2	2	21.1	8456	125	14.7	102	0.866
16-	45.3625-	114.1056-	2-	15-		0-L16372	16450	954	15130	102	-2	25.4	9.5	-263	-2	-1	19.6	5606	155	8.5	-90	0.278
16-	45.3908-	114.1417-	2-	15-		0-L16373	9402	790	18170	220	-2	16.9	26.5	-304	-2	2	44.6	5700	63	15.9	97	0.459
16-	45.3958-	114.1694-	2-	12-		0-L16374	5397	539	16350	67	-2	21.6	27.5	-234	5	3	45.0	7606	66	34.7	-46	0.257
16-	45.3975-	114.1861-	2-	12-		0-L16375	5482	417	18260	167	-2	17.1	34.9	-259	-2	2	34.2	6245	62	26.8	-53	2.765
16-	45.3975-	114.2053-	2-	15-		0-L16376	9047	571	12930	99	-2	11.7	7.3	-274	-2	-1	14.2	3639	74	5.9	186	1.331
16-	45.3794-	114.2725-	2-	15-		0-L16377	8854	974	16290	271	-3	22.2	21.0	-305	3	3	37.0	8062	109	22.7	165	0.238
16-	45.3603-	114.3125-	2-	12-		0-L16378	7325	489	27600	101	-2	11.7	20.8	-294	-2	2	46.4	4588	65	20.1	-48	0.699
16-	45.2136-	115.8067-	2-	12-		0-L16379	-2463	381	42870	84	-1	2.5	17.7	555	-1	1	28.0	1464	-8	6.4	47	0.236
16-	45.3514-	114.3269-	2-	15-		0-L16380	6255	436	32010	96	-2	10.1	8.7	466	-1	1	18.4	3042	63	8.4	80	0.401
16-	45.3417-	114.3361-	2-	12-		0-L16381	-2224	259	34330	101	-1	6.5	17.8	529	-1	1	25.4	3309	40	12.6	36	0.993
16-	45.3308-	114.3653-	2-	12-		0-L16382	4312	504	27090	158	-2	12.9	12.0	-314	-2	2	33.4	4454	62	13.2	72	0.448

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umhos/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.3211-	114.3886-	2-	12-		0-L16383-	07/11/79-	21-	25-	13.8-	-	-	7.2-	87-	14-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	18.34
16-	45.0592-	115.7672-	2-	15-		0-L16384-	07/15/79-	12-	26-	-	-	-	-	-	8-	1-	7-	4-	1-	-1-	-2-	4-	4-	4-	1-	-1-	-	-	-	-	2.47
16-	45.0614-	115.7692-	2-	12-		0-L16385-	07/15/79-	13-	29-	9.6-	-	-	7.1-	20-	18-	1-	7-	4-	6-	3-	3-	1-	-4-	4-	4-	1-	-1-	-	-	-	-	8.31
16-	45.0831-	115.7833-	2-	12-		0-L16386-	07/15/79-	14-	29-	11.1-	-	-	7.1-	20-	6-	1-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	8.06
16-	45.0828-	115.7864-	2-	12-		0-L16387-	07/15/79-	14-	29-	11.8-	-	-	7.3-	15-	16-	1-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	3.22
16-	45.0653-	115.8394-	2-	12-		0-L16388-	07/15/79-	15-	27-	10.6-	-	-	7.5-	12-	10-	1-	7-	4-	7-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	26.39
16-	45.0547-	115.8700-	2-	12-		0-L16389-	07/15/79-	15-	27-	10.6-	-	-	7.2-	9-	11-	1-	7-	4-	3-	3-	3-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	25.43
16-	45.0519-	115.8972-	2-	12-		0-L16390-	07/15/79-	16-	27-	12.6-	-	-	6.3-	7-	20-	1-	7-	4-	3-	3-	3-	1-	2-	2-	3-	5-	1-	-1-	-	-	-	-	3.78
16-	45.0225-	115.9269-	2-	12-		0-L16391-	07/15/79-	17-	27-	13.7-	-	-	6.3-	6-	10-	1-	7-	4-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	13.19
16-	45.0119-	115.9478-	2-	12-		0-L16392-	07/15/79-	17-	26-	11.1-	-	-	6.0-	4-	14-	1-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	11.41
16-	45.0003-	115.9453-	2-	12-		0-L16393-	07/15/79-	17-	26-	13.5-	-	-	5.9-	6-	16-	1-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	5.16
16-	45.0489-	115.9039-	2-	12-		0-L16394-	07/16/79-	12-	27-	9.9-	-	-	7.0-	8-	15-	2-	7-	4-	7-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	5.00
16-	45.0472-	115.6667-	2-	12-		0-L16395-	07/16/79-	13-	27-	12.7-	-	-	7.0-	84-	8-	2-	7-	4-	7-	3-	3-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	3.65
16-	45.0428-	115.6769-	2-	12-		0-L16396-	07/16/79-	13-	28-	12.1-	-	-	7.2-	50-	7-	2-	7-	4-	6-	3-	3-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	16.89
16-	45.0314-	115.6944-	2-	12-		0-L16397-	07/16/79-	13-	28-	15.3-	-	-	7.3-	67-	6-	2-	7-	5-	8-	2-	2-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	11.75
16-	45.0350-	115.7350-	2-	12-		0-L16398-	07/16/79-	14-	28-	15.6-	-	-	7.1-	88-	12-	2-	7-	4-	6-	2-	2-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	5.61
16-	45.0419-	115.7467-	2-	12-		0-L16399-	07/16/79-	14-	28-	14.5-	-	-	7.4-	14-	10-	2-	7-	4-	6-	3-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	12.17
16-	45.0533-	115.7486-	2-	12-		0-L16400-	07/16/79-	14-	28-	17.5-	-	-	7.0-	84-	4-	2-	7-	5-	8-	2-	2-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	5.89
16-	45.0969-	115.7089-	2-	12-		0-L16401-	07/16/79-	15-	28-	12.1-	-	-	7.3-	15-	10-	2-	7-	4-	6-	3-	3-	1-	2-	2-	4-	4-	1-	-1-	-	-	-	-	5.94
16-	45.0186-	115.7144-	2-	11-		0-L16402-	07/16/79-	15-	26-	17.5-	-	-	7.1-	48-	6-	2-	7-	5-	8-	2-	2-	1-	-2-	5-	4-	1-	-1-	-	-	-	-	-	12.23
16-	45.0044-	115.6933-	2-	12-		0-L16403-	07/16/79-	17-	28-	14.4-	-	-	7.5-	128-	13-	2-	7-	4-	7-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	34.09
16-	45.0100-	115.4728-	2-	12-		0-L16404-	07/17/79-	14-	28-	10.0-	-	-	7.5-	22-	8-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	53.58
16-	45.0089-	115.4700-	2-	12-		0-L16405-	07/17/79-	14-	28-	10.3-	-	-	7.3-	21-	7-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	15.39
16-	45.0067-	115.3933-	2-	12-		0-L16406-	07/17/79-	18-	25-	8.0-	-	-	7.9-	83-	8-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	7.77
16-	45.0286-	115.4000-	2-	12-		0-L16407-	07/17/79-	19-	25-	5.5-	-	-	7.4-	143-	10-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	9.85
16-	45.0200-	115.3931-	2-	12-		0-L16408-	07/17/79-	19-	26-	10.5-	-	-	7.7-	55-	9-	2-	7-	4-	6-	3-	3-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	13.80
16-	45.0269-	115.4033-	2-	12-		0-L16409-	07/18/79-	13-	26-	12.0-	-	-	7.5-	32-	4-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	12.44
16-	45.0306-	115.4067-	2-	12-		0-L16410-	07/18/79-	15-	26-	14.4-	-	-	7.5-	39-		-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	20.51
16-	45.0367-	115.4164-	2-	12-		0-L16411-	07/18/79-	15-	26-	14.3-	C-	-	7.4-	25-		-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	21.87
16-	45.0628-	115.4156-	2-	12-		0-L16412-	07/18/79-	16-	27-	14.6-	C-	-	6.9-	10-		-2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	16.72
16-	45.1247-	114.4969-	2-	12-		0-L16413-	07/10/79-	11-	25-	8.4-	-	-	7.8-	15-	41-	1-	6-	3-	1-	4-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	39.97
16-	45.1364-	114.4892-	2-	12-		0-L16414-	07/10/79-	12-	25-	9.3-	-	-	7.5-	14-	33-	1-	6-	3-	1-	3-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	42.65
16-	45.1436-	114.4767-	2-	12-		0-L16415-	07/10/79-	12-	26-	8.9-	-	-	7.3-	17-	33-	1-	6-	2-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	98.96
16-	45.1503-	114.4772-	2-	12-		0-L16416-	07/10/79-	13-	26-	9.7-	-	-	7.1-	13-	25-	1-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	119.70
16-	45.1556-	114.4694-	2-	12-		0-L16417-	07/10/79-	13-	26-	8.4-	-	-	7.3-	12-	37-	1-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	47.86
16-	45.1575-	114.4503-	2-	12-		0-L16418-	07/10/79-	13-	26-	9.7-	-	-	7.2-	19-	33-	1-	6-	2-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	62.37
16-	45.1631-	114.4383-	2-	12-		0-L16419-	07/10/79-	14-	26-	10.1-	-	-	7.1-	30-		-1-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	15.80
16-	45.1653-	114.4256-	2-	12-		0-L16420-	07/10/79-	14-	26-	9.2-	-	-	7.2-	49-	6-	1-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	38.22
16-	45.1756-	114.4067-	2-	12-		0-L16421-	07/10/79-	15-	26-	10.4-	-	-	7.1-	115-	13-	1-	6-	5-	6-	3-	3-	1-	2-	4-	3-	4-	1-	-1-	-	-	-	-	13.26
16-	45.1678-	114.3689-	2-	15-		0-L16422-	07/10/79-	15-	27-		-C-	-	-	-	16-	1-	6-	2-	6-		-1-		-2-	1-	3-	3-	1-	-2-	-	-	-	-	25.16
16-	45.1581-	114.3694-	2-	12-		0-L16423-	07/10/79-	16-	27-	10.6-	C-	-	7.1-	256-	20-	1-	6-	3-	5-	3-	3-	1-	2-	1-	3-	4-	1-	-2-	-	-	-	-	20.80
16-	45.1583-	114.3714-	2-	12-		0-L16424-	07/10/79-	17-	26-	8.5-	-	-	7.1-	95-	8-	1-	6-	3-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-2-	-	-	-	-	13.47
16-	45.1656-	114.3675-	2-	12-		0-L16425-	07/10/79-	17-	26-	9.8-	C-	-	7.2-	104-	5-	1-	6-	3-	3-	3-	3-	1-	2-	1-	4-	4-	1-	-2-	-	-	-	-	9.50
16-	45.1069-	114.1783-	2-	12-		0-L16427-	07/12/79-	11-	26-	5.6-	C-	-	7.6-	57-	4-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	3-	-3-	-	-	-	-	63.85
16-	45.1089-	114.1761-	2-	12-		0-L16428-	07/12/79-	11-	25-	7.9-	C-	-	7.5-	33-	1-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	3-	-3-	-	-	-	-	12.52
16-	45.0875-	114.1497-	2-	12-		0-L16429-	07/12/79-	12-	25-	5.1-	-	-	7.4-	29-	2-	1-	7-	5-	6-	3-	3-	2-	2-	1-	3-	4-	3-	-1-	-	-	-	-	18.02
16-	45.0692-	114.1381-	2-	12-		0-L16430-	07/11/79-	13-	26-	7.0-	-	-	7.7-	24-	1-	1-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	4.35
16-	45.0689-	114.1361-	2-	12-		0-L16431-	07/11/79-	13-	25-	7.4-	-	-	7.3-	34-	1-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	5.37
16-	45.0947-	114.1517-	2-	11-		0-L16432-	07/11/79-	15-	27-	9.7-	-	-	7.5-	45-	1-	1-	7-	3-	7-	3-	3-	1-	-1-	-1-	3-	4-	3-	-1-	-	-	-	-	5.42
16-	45.0822-	114.1619-	2-	12-		0-L16433-	07/11/79-	16-	27-	9.7-	C-	-	7.4-	46-	3-	1-	7-	3-	5-	3-	3-	2-	1-	2-	1-	3-	4-	3-	-3-	-	-	-	-	8.18
16-	45.0131-	114.0897-	2-	11-		0-L16434-	07/11/79-	16-	26-	5.4-	C-	-	7.7-	35-	0-	1-	7-	7-	6-	2-	2-	1-	-1-	-1-	3-	4-	3-	-1-	-	-	-	-	3.41

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-45.3211-114.3886-2-12-	0-L16393	-5	7	-5	-10	-20	20	8	-10	15	-5	-5	479	2	42
16-45.0592-115.7672-2-15-	0-L16394	-5	7	-5	20	-20	-15	15	-10	-15	5	-5	165	2	111
16-45.0614-115.7692-2-12-	0-L16395	-5	14	-5	10	-20	-15	10	-10	-15	7	-5	338	-1	37
16-45.0831-115.7833-2-12-	0-L16396	-5	-5	-5	16	-20	-15	11	-10	-15	6	-5	178	4	46
16-45.0828-115.7864-2-12-	0-L16397	-5	-5	-5	16	-20	-15	13	-10	-15	11	-5	215	-1	57
16-45.0653-115.8394-2-12-	0-L16398	-5	5	-5	24	-20	-15	11	-10	-15	14	-5	151	2	64
16-45.0547-115.8700-2-12-	0-L16399	-5	10	-5	18	-20	-15	16	-10	-15	20	-5	194	2	33
16-45.0519-115.8972-2-12-	0-L16390	-5	10	-5	-10	-20	-15	8	-10	-15	8	-5	294	-1	22
16-45.0225-115.9269-2-12-	0-L16391	-5	6	-5	17	-20	-15	11	-10	-15	9	-5	186	2	31
16-45.0119-115.9478-2-12-	0-L16392	-5	5	-5	21	-20	-15	18	-10	-15	7	-5	146	2	19
16-45.0003-115.9453-2-12-	0-L16393	-5	7	-5	16	-20	-15	14	-10	-15	6	-5	221	1	25
16-45.0489-115.9039-2-12-	0-L16394	-5	6	-5	11	-20	-15	19	-10	-15	-5	-5	142	-1	34
16-45.0472-115.6667-2-12-	0-L16395	-5	5	-5	12	-20	-15	19	-10	-15	-5	-5	118	3	75
16-45.0428-115.6769-2-12-	0-L16396	-5	5	-5	-10	-20	-15	12	-10	-15	5	-5	138	3	49
16-45.0314-115.6944-2-12-	0-L16397	-5	5	-5	-10	-20	-15	8	-10	-15	22	-5	145	3	84
16-45.0350-115.7350-2-12-	0-L16398	-5	7	-5	12	-20	-15	13	-10	-15	8	-5	140	1	33
16-45.0419-115.7467-2-12-	0-L16399	-5	14	-5	12	-20	-15	12	-10	28	8	-5	371	2	41
16-45.0533-115.7486-2-12-	0-L16400	-5	7	-5	10	-20	-15	16	-10	-15	11	-5	131	3	70
16-45.0969-115.7089-2-12-	0-L16401	-5	-5	-5	10	-20	-15	11	-10	16	6	-5	148	3	47
16-45.0186-115.7144-2-11-	0-L16402	-5	6	-5	11	-20	-15	12	-10	-15	93	-5	160	3	48
16-45.0044-115.6933-2-12-	0-L16403	-5	6	-5	20	-20	-15	14	-10	-15	18	-5	178	3	48
16-45.0100-115.4728-2-12-	0-L16404	-5	-5	-5	31	-20	-15	14	-10	-15	17	-5	202	4	44
16-45.0089-115.4700-2-12-	0-L16405	-5	8	-5	23	-20	-15	13	-10	-15	10	-5	218	1	31
16-45.0067-115.3933-2-12-	0-L16406	-5	-5	-5	39	-20	18	19	-10	-15	28	-5	246	2	42
16-45.0286-115.4000-2-12-	0-L16407	-5	6	-5	46	-20	-15	61	-10	-15	36	-5	162	2	86
16-45.0200-115.3931-2-12-	0-L16408	-5	6	-5	30	-20	16	39	-10	-15	77	-5	195	-1	52
16-45.0269-115.4033-2-12-	0-L16409	-5	-5	-5	56	-20	-15	18	-10	-15	8	-5	212	2	42
16-45.0306-115.4067-2-12-	0-L16410	-5	-5	-5	36	-20	-15	10	-10	32	28	-5	411	2	42
16-45.0367-115.4164-2-12-	0-L16411	11	10	-5	76	-20	-15	320	-10	-15	17	-5	249	-1	35
16-45.0628-115.4156-2-12-	0-L16412	-5	6	-5	16	-20	15	22	-10	-15	54	-5	255	2	29
16-45.1247-114.4969-2-12-	0-L16413	-5	12	-5	16	51	-15	25	-10	-15	12	-5	463	10	113
16-45.1364-114.4892-2-12-	0-L16414	-5	13	-5	22	30	-15	33	19	-15	7	-5	278	18	185
16-45.1486-114.4767-2-12-	0-L16415	-5	25	-5	-10	68	-15	24	35	31	15	-5	675	15	162
16-45.1508-114.4772-2-12-	0-L16416	-5	12	-5	-10	30	-15	19	12	-15	12	-5	648	15	89
16-45.1556-114.4694-2-12-	0-L16417	-5	14	-5	15	23	-15	18	-10	23	10	-5	465	18	119
16-45.1575-114.4503-2-12-	0-L16418	-5	12	-5	38	-20	-15	23	85	35	10	-5	275	7	50
16-45.1631-114.4383-2-12-	0-L16419	-5	-5	-5	18	-20	-15	5	10	-15	5	-5	289	3	15
16-45.1653-114.4256-2-12-	0-L16420	-5	7	-5	23	-20	16	14	-10	-15	10	-5	226	-1	35
16-45.1756-114.4067-2-12-	0-L16421	-5	5	-5	22	-20	21	14	-10	-15	-5	-5	211	3	31
16-45.1678-114.3689-2-15-	0-L16422	-5	6	-5	352	-20	-15	-5	-10	-15	76	-5	290	-1	39
16-45.1581-114.3694-2-12-	0-L16423	-5	118	-5	43020	-20	-15	-5	-10	-15	932	-5	196	-1	48
16-45.1583-114.3714-2-12-	0-L16424	-5	-5	-5	84	-20	-15	7	-10	-15	8	-5	200	2	36
16-45.1656-114.3675-2-12-	0-L16425	-5	27	-5	5903	-20	-15	-5	-10	-15	212	-5	244	-1	40
16-45.1069-114.1783-2-12-	0-L16427	-5	-5	-5	65	-20	20	-5	-10	-15	25	-5	219	2	26
16-45.1089-114.1761-2-12-	0-L16428	-5	5	-5	669	-20	18	6	-10	-15	28	-5	315	-1	33
16-45.0875-114.1497-2-12-	0-L16429	-5	-5	-5	78	-20	-15	-5	-10	-15	30	-5	164	-1	17
16-45.0592-114.1381-2-12-	0-L16430	-5	-5	-5	-10	-20	-15	-5	-10	-15	9	-5	337	2	12
16-45.0689-114.1361-2-12-	0-L16431	-5	-5	-5	28	-20	-15	-5	-10	-15	10	-5	369	-1	8
16-45.0947-114.1517-2-11-	0-L16432	-5	5	-5	90	-20	37	18	-10	-15	11	-5	331	1	21
16-45.0822-114.1619-2-12-	0-L16433	-5	-5	-5	29	-20	-15	10	-10	-15	12	-5	225	1	23
16-45.0131-114.0897-2-11-	0-L16434	-5	5	-5	24	-20	-15	17	-10	-15	8	-5	281	1	32

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.3211-	114.3886-	2-	12-		0-L16383	73900	-0.08	1864	10430	245	170	7.9	45	5.4	20	2.3	34200	18.9	39700	96	1.4
16-	45.0592-	115.7672-	2-	15-		0-L16384	105100	-0.05	803	17230	96	-135	3.5	-6	3.3	3	0.9	17470	5.6	22230	45	0.2
16-	45.0614-	115.7692-	2-	12-		0-L16385	89780	-0.05	783	19150	624	-143	-1.6	22	-1.2	26	1.9	9150	15.6	19780	304	1.7
16-	45.0831-	115.7833-	2-	12-		0-L16386	90620	-0.06	857	19430	181	-142	2.9	25	-1.3	6	1.2	12420	6.1	16520	87	0.3
16-	45.0828-	115.7864-	2-	12-		0-L16387	88810	-0.06	1323	17220	183	-129	6.4	19	-1.5	5	0.9	22480	8.4	20960	80	0.2
16-	45.0653-	115.8394-	2-	12-		0-L16388	85650	-0.05	1103	18250	110	-135	5.2	28	3.4	3	1.1	18030	4.4	20410	63	-0.1
16-	45.0547-	115.8700-	2-	12-		0-L16389	74510	-0.07	864	20880	380	-159	6.5	24	2.5	8	1.7	19310	9.4	18360	185	0.6
16-	45.0519-	115.8972-	2-	12-		0-L16390	84900	-0.05	1413	21950	438	-115	-1.4	-7	-1.1	7	1.5	8876	11.8	18330	213	0.3
16-	45.0225-	115.9269-	2-	12-		0-L16391	79710	-0.07	925	18010	172	-143	5.4	-9	2.7	4	1.5	16610	7.2	16220	88	0.3
16-	45.0119-	115.9478-	2-	12-		0-L16392	68970	-0.06	952	18220	116	270	6.2	-8	1.7	3	1.1	16550	5.3	18190	65	-0.1
16-	45.0003-	115.9453-	2-	12-		0-L16393	73580	-0.05	1131	20190	211	-136	2.7	17	1.6	5	1.2	11870	9.6	18210	104	0.3
16-	45.0489-	115.9039-	2-	12-		0-L16394	84770	-0.06	1251	20840	131	201	5.5	-8	-1.5	4	1.2	14800	5.5	22240	70	0.1
16-	45.0472-	115.6667-	2-	12-		0-L16395	105200	-0.06	595	18650	158	-139	2.5	-7	3.6	7	1.3	18820	5.0	18880	67	0.4
16-	45.0428-	115.6769-	2-	12-		0-L16396	99330	-0.04	744	21550	185	-132	2.3	11	1.9	7	1.3	9057	6.5	19130	92	0.5
16-	45.0314-	115.6944-	2-	12-		0-L16397	94080	-0.05	683	18770	199	-165	2.6	-7	3.1	9	1.4	13810	6.0	18490	95	0.4
16-	45.0350-	115.7350-	2-	12-		0-L16398	84950	-0.04	781	19650	236	-132	1.8	-7	-1.0	8	1.3	8353	5.0	17500	113	0.5
16-	45.0419-	115.7467-	2-	12-		0-L16399	87670	-0.05	810	21970	881	-130	-1.5	24	1.3	35	2.1	8092	20.6	17290	410	2.1
16-	45.0533-	115.7486-	2-	12-		0-L16400	85190	-0.05	604	17190	134	-157	2.4	-6	2.3	7	1.2	13020	4.4	17850	65	0.3
16-	45.0969-	115.7089-	2-	12-		0-L16401	89750	-0.06	836	22040	150	-158	-1.4	-8	2.0	5	1.3	11300	4.7	12440	75	0.2
16-	45.0186-	115.7144-	2-	11-		0-L16402	93500	-0.08	722	21420	197	-138	3.9	-9	5.6	8	1.9	19040	8.0	21700	98	0.5
16-	45.0044-	115.6933-	2-	12-		0-L16403	97620	-0.05	647	21670	236	-144	2.5	26	3.2	13	1.5	12840	6.7	15190	119	1.1
16-	45.0100-	115.4728-	2-	12-		0-L16404	85040	-0.05	626	14720	121	-172	2.6	31	3.0	12	1.4	12360	5.5	18980	61	1.0
16-	45.0089-	115.4700-	2-	12-		0-L16405	68160	-0.06	790	20310	106	-130	7.5	27	-1.6	5	1.8	29110	19.0	23500	53	0.3
16-	45.0067-	115.3933-	2-	12-		0-L16406	67140	-0.06	627	33820	96	275	8.7	19	1.9	7	1.5	32430	14.2	22040	42	0.3
16-	45.0286-	115.4000-	2-	12-		0-L16407	71210	-0.10	604	38970	83	219	8.4	16	-2.6	5	1.3	32260	37.5	13970	41	0.3
16-	45.0200-	115.3931-	2-	12-		0-L16408	64420	-0.07	555	31420	75	324	7.2	-9	2.9	6	1.2	25150	6.8	19000	43	0.1
16-	45.0269-	115.4033-	2-	12-		0-L16409	67830	-0.06	545	18040	111	480	6.6	-10	-1.7	11	1.2	21870	14.2	14540	60	0.2
16-	45.0306-	115.4067-	2-	12-		0-L16410	64190	-0.06	621	19490	388	243	4.3	24	-1.6	8	2.0	20450	11.0	19360	196	0.5
16-	45.0367-	115.4164-	2-	12-		0-L16411	58220	0.21	764	17890	230	293	-2.0	-12	5.0	-1	2.0	27140	7.7	15740	127	0.5
16-	45.0628-	115.4156-	2-	12-		0-L16412	59130	0.13	638	12650	266	-152	4.3	16	-1.7	6	1.8	18640	7.9	21190	132	0.2
16-	45.1247-	114.4969-	2-	12-		0-L16413	77170	0.16	288	7087	549	-133	5.0	32	-1.4	20	1.8	18210	14.8	30650	279	0.4
16-	45.1364-	114.4892-	2-	12-		0-L16414	83230	-0.06	-152	5548	566	-135	6.6	24	1.9	22	1.7	23010	15.8	35240	292	0.4
16-	45.1486-	114.4767-	2-	12-		0-L16415	70980	-0.07	-159	7956	394	-130	6.7	27	-1.7	31	1.9	20410	10.7	31810	196	0.2
16-	45.1508-	114.4772-	2-	12-		0-L16416	76250	-0.08	-152	8784	114	-153	11.7	48	11.9	25	1.8	32560	10.5	27290	67	1.6
16-	45.1556-	114.4694-	2-	12-		0-L16417	72690	-0.06	226	7316	68	-127	8.7	42	8.7	23	1.9	28820	5.7	24610	61	1.0
16-	45.1575-	114.4503-	2-	12-		0-L16418	50540	-0.07	321	11710	66	226	6.8	57	8.0	26	1.7	23690	6.1	17830	53	0.7
16-	45.1621-	114.4383-	2-	12-		0-L16419	43980	-0.08	-120	20070	152	283	13.0	92	4.9	7	2.1	30960	29.2	16430	64	0.8
16-	45.1653-	114.4256-	2-	12-		0-L16420	54410	-0.06	494	10650	93	257	6.3	23	4.0	9	1.7	26720	24.1	20370	36	0.6
16-	45.1756-	114.4067-	2-	12-		0-L16421	54120	-0.05	701	8595	67	243	4.6	20	2.8	5	1.2	19110	15.7	25320	30	0.6
16-	45.1678-	114.3689-	2-	15-		0-L16422	56260	-0.07	512	8567	108	1058	8.4	39	5.5	15	1.4	51550	15.6	25740	47	0.7
16-	45.1581-	114.3694-	2-	12-		0-L16423	62790	0.43	-163	-484	295	4074	10.5	50	3.3	17	4.1	129600	134.0	36540	133	2.5
16-	45.1583-	114.3714-	2-	12-		0-L16424	50720	0.24	371	11990	127	336	6.0	24	3.2	9	3.0	35080	34.5	18810	55	1.0
16-	45.1656-	114.3675-	2-	12-		0-L16425	57170	0.14	523	6898	245	1094	9.9	51	4.3	9	3.0	83700	98.9	22840	121	1.8
16-	45.1069-	114.1783-	2-	12-		0-L16427	55560	-0.10	507	10310	238	672	10.4	56	4.2	11	5.1	125200	44.7	18650	103	1.5
16-	45.1089-	114.1761-	2-	12-		0-L16428	58150	0.33	499	7751	280	333	14.1	49	8.6	7	2.6	75760	54.8	18630	130	1.6
16-	45.0875-	114.1497-	2-	12-		0-L16429	49030	3.07	281	14660	530	546	19.5	85	8.9	11	5.6	111100	105.9	14910	259	3.1
16-	45.0692-	114.1381-	2-	12-		0-L16430	49390	-0.05	491	6953	150	213	12.9	28	3.3	6	1.5	38080	15.2	14150	59	0.6
16-	45.0689-	114.1361-	2-	12-		0-L16431	31950	-0.04	135	2240	55	364	4.1	16	-1.2	7	1.1	19900	17.8	9568	26	0.5
16-	45.0947-	114.1517-	2-	11-		0-L16432	71320	0.20	927	16160	160	361	9.3	56	5.9	7	2.6	64630	37.5	18250	61	1.2
16-	45.0822-	114.1619-	2-	12-		0-L16433	59270	0.35	475	9093	337	292	13.5	87	7.6	7	4.3	59510	282.3	15000	123	6.1
16-	45.0131-	114.0897-	2-	11-		0-L16434	70150	-0.09	1138	13120	215	254	15.3	67	7.4	5	2.5	54310	47.0	20470	95	2.2

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.3211-114.3086-2-12-						0-L16383	6515	269	18290	216	-2	8.6	21.0	-242	-2	2	27.7	3675	52	15.8	55	0.662
16-45.0592-115.7672-2-15-						0-L16384	-2196	352	34640	89	-1	3.9	5.8	-242	-1		15.4	2044	18	3.4	60	0.160
16-45.0614-115.7692-2-12-						0-L16385	-2292	262	37200	75	-1	2.2	42.4	653	-2	3	95.2	-555	14	18.8	53	0.087
16-45.0831-115.7833-2-12-						0-L16386	-2492	370	34320	72	-1	3.1	11.1	602	-2	-1	22.6	1093	16	4.5	-38	0.357
16-45.0828-115.7864-2-12-						0-L16387	4311	648	25330	93	-2	5.2	10.5	537	-1	-1	22.9	3178	41	3.4	92	0.141
16-45.0653-115.8394-2-12-						0-L16388	-2156	588	27360	68	-1	4.5	-0.6	-263	-1		14.0	2054	33	3.0	-22	1.885
16-45.0547-115.8700-2-12-						0-L16389	-2535	438	25210	-40	-2	5.2	23.1	730	-2	-1	50.5	2158	25	4.3	89	0.504
16-45.0519-115.8972-2-12-						0-L16390	-2074	221	33420	-25	-1	2.2	21.4	761	-2	1	60.8	1088	14	7.1		0.062
16-45.0225-115.9269-2-12-						0-L16391	6007	768	27470	-30	-2	5.1	12.0	-351	-2	-1	22.0	2798	33	-1.4	-49	0.600
16-45.0119-115.9478-2-12-						0-L16392	-2453	848	32730	-33	-2	4.0	7.7	-337	-2		17.3	1550	32	-1.3	79	0.660
16-45.0003-115.9453-2-12-						0-L16393	-2137	335	30250	-27	-1	3.3	10.9	720	-1	-1	29.7	1717	18	2.5	66	0.174
16-45.0489-115.9039-2-12-						0-L16394	-2579	614	30350	-32	-2	4.0	6.7	-339	-2	-1	17.7	1793	21	2.6	71	0.282
16-45.0472-115.6667-2-12-						0-L16395	5297	922	26610	104	-1	3.1	11.0	-345	-1	-1	24.8	1548	-9	4.5	110	0.147
16-45.0428-115.6769-2-12-						0-L16396	-2207	238	42450	74	-1	2.2	12.1	640	-1	1	28.2	750	-7	4.3	40	0.599
16-45.0314-115.6944-2-12-						0-L16397	-2617	589	36140	-29	2	2.7	14.4	-300	-1	1	30.8	-699	-10	5.2	-16	0.381
16-45.0350-115.7350-2-12-						0-L16398	-2334	433	36520	-23	-1	1.6	14.4	555	-1		37.9	-676	-8	5.5	63	0.148
16-45.0419-115.7467-2-12-						0-L16399	-2106	512	39530	59	-1	2.0	54.6	488	-1	4	131.9	843	-7	24.9	-32	0.092
16-45.0533-115.7486-2-12-						0-L16400	-2515	560	32600	69	-1	2.1	9.5	-290	-1		19.3	1178	-9	3.8	76	0.305
16-45.0969-115.7089-2-12-						0-L16401	-2834	327	35660	-30	-2	2.6	9.5	-335	-2	-1	22.5	1303	15	3.1	70	0.264
16-45.0186-115.7144-2-11-						0-L16402	-2364	604	32450	69	10	4.5	17.1	-320	-1	1	26.4	2203	18	4.9	117	0.463
16-45.0044-115.6933-2-12-						0-L16403	-2384	471	40180	89	-1	2.5	18.1	-263	-1	2	36.8	1003	-8	9.8	82	0.926
16-45.0100-115.4728-2-12-						0-L16404	-2717	535	34460	120	-1	2.7	14.1	-312	2	-1	15.5	1893	14	7.5	84	3.457
16-45.0089-115.4700-2-12-						0-L16405	9579	722	21320	-34	-2	10.6	6.5	-337	-2	-1	14.7	2850	45	3.3	53	1.047
16-45.0067-115.3933-2-12-						0-L16406	28480	816	10150	83	-2	10.7	6.9	-292	-2	-1	9.8	4443	55	3.0	63	0.793
16-45.0286-115.4000-2-12-						0-L16407	27020	436	15820	-43	-3	15.6	6.2	610	-1	-1	11.8	2623	46	2.4	-83	0.835
16-45.0200-115.3931-2-12-						0-L16408	36600	815	10220	-34	-2	7.1	6.1	-323	-1	-1	9.6	3514	48	2.0	166	1.438
16-45.0269-115.4033-2-12-						0-L16409	6720	1008	15330	-35	-2	8.5	5.9	-408	-2	-1	12.3	4994	61	-1.3	115	1.011
16-45.0306-115.4067-2-12-						0-L16410	12040	573	14600	101	-2	5.0	23.5	-274	-2	1	49.8	6990	56	6.1	162	0.412
16-45.0367-115.4164-2-12-						0-L16411	7867	740	13300	142	-2	4.6	12.4	-292	-2	-1	29.1	3050	50	5.0	-107	0.752
16-45.0628-115.4156-2-12-						0-L16412	6164	711	21600	112	-2	4.8	16.9	-323	-2	-1	31.0	2916	39	2.5	89	0.539
16-45.1247-114.4969-2-12-						0-L16413	-2300	608	26810	72	-1	4.7	26.0	-313	-2	1	69.0	2295	27	4.3	86	0.579
16-45.1364-114.4892-2-12-						0-L16414	-2312	546	35520	-38	-2	5.5	30.5	-301	-2	1	69.6	-729	-8	4.2	129	0.613
16-45.1486-114.4767-2-12-						0-L16415	-2145	743	26060	81	-2	4.9	21.9	-276	-2	-1	50.1	1409	21	4.9	114	1.975
16-45.1508-114.4772-2-12-						0-L16416	-2458	532	28700	221	-2	11.6	18.4	-288	-2	2	18.7	1765	-9	15.9	286	6.401
16-45.1556-114.4694-2-12-						0-L16417	-2258	623	22370	128	-2	7.6	15.9	-326	3	1	10.7	2728	22	7.7	264	4.473
16-45.1575-114.4503-2-12-						0-L16418	3150	507	14660	86	-2	9.2	13.2	-287	2	-1	9.9	1824	38	4.9	449	6.300
16-45.1631-114.4383-2-12-						0-L16419	11250	517	9195	102	-2	10.4	9.2	-212	-2	-1	19.7	5034	87	8.0	195	0.802
16-45.1653-114.4256-2-12-						0-L16420	7052	455	10010	79	-2	7.5	7.4	-223	-1	-1	12.1	2622	48	5.8	-39	3.159
16-45.1756-114.4067-2-12-						0-L16421	7594	244	11520	63	-1	6.3	5.1	-208	-1		9.3	2443	42	4.3	30	1.426
16-45.1678-114.3689-2-15-						0-L16422	5525	376	6704	140	-2	10.1	9.7	-209	-2	-1	17.5	3458	52	6.2	180	1.438
16-45.1581-114.3694-2-12-						0-L16423	7995	228	1227	93	-2	7.3	26.1	-237	13	2	47.0	2748	53	22.4	192	0.443
16-45.1583-114.3714-2-12-						0-L16424	6554	594	8077	-35	-2	6.6	13.6	-235	3	1	15.0	2779	44	9.5	150	0.898
16-45.1656-114.3675-2-12-						0-L16425	6961	463	6895	175	-2	6.7	16.7	-246	16	-1	46.3	3230	41	15.9	144	0.205
16-45.1069-114.1783-2-12-						0-L16427	6154	347	10940	-68	-3	10.5	22.5	-259	9	2	24.2	2915	48	15.6	314	2.638
16-45.1089-114.1761-2-12-						0-L16428	5249	375	15770	189	-2	9.7	21.6	-204	12	2	48.4	3113	43	14.3	172	0.259
16-45.0875-114.1497-2-12-						0-L16429	7351	240	5849	285	-4	17.0	57.9	-245	17	4	84.5	2665	47	31.0	583	0.213
16-45.0692-114.1381-2-12-						0-L16430	4619	235	15700	133	-1	5.6	9.5	-189	3	-1	21.9	3046	38	6.5	78	0.199
16-45.0689-114.1361-2-12-						0-L16431	4389	112	8094	90	-1	4.3	5.7	-137	-1		7.4	1873	20	5.2	-36	0.726
16-45.0947-114.1517-2-11-						0-L16432	10700	511	14160	139	-2	11.3	10.9	-226	-2	-1	18.9	6094	88	10.2	82	0.287
16-45.0822-114.1619-2-12-						0-L16433	4314	378	18240	278	-3	21.5	39.4	-246	7	4	109.9	3202	42	56.7	150	0.074
16-45.0131-114.0897-2-11-						0-L16434	6722	1136	17430	327	6	20.4	20.4	-392	4	2	51.5	3461	55	23.0	123	0.066

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																							U CONCENTRATION
							TIME SAMPLED																						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	CONVEYANCE	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.2408-	115.7533-	2-	12-	0-	L16435-	07/15/79-	12-	29-	5.6-	-	-	7.9-	17-	11-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	2.50
16-	45.2258-	115.8033-	2-	12-	0-	L16436-	07/15/79-	12-	29-	7.1-	-	-	7.8-	17-	9-	2-	1-	2-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	8.16
16-	45.2272-	115.8033-	2-	12-	0-	L16437-	07/15/79-	13-	30-	8.9-	-	-	7.2-	16-	14-	2-	6-	3-	2-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	7.72
16-	45.3831-	114.1044-	2-	15-	0-	L16438-	07/11/79-	14-	34-	-	-	-	-	-	20-	1-	7-	5-	6-	-1-	-2-	3-	2-	3-	1-	-1-	-	-	-	-	-	-	12.22
16-	45.4000-	114.1692-	2-	12-	0-	L16439-	07/11/79-	15-	32-	14.1-	-	-	7.7-	150-	10-	1-	7-	5-	6-	2-	2-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	7.61
16-	45.3986-	114.2283-	2-	15-	0-	L16440-	07/11/79-	15-	32-	-	-	-	-	-	33-	1-	7-	4-	6-	-1-	-2-	3-	2-	3-	2-	-1-	-	-	-	-	-	-	9.24
16-	45.3983-	114.2456-	2-	12-	0-	L16441-	07/11/79-	16-	30-	15.8-	-	-	7.4-	453-	27-	1-	7-	5-	6-	2-	2-	1-	2-	2-	2-	3-	2-	-1-	-	-	-	-	20.43
16-	45.2644-	114.1181-	2-	11-	0-	L16442-	07/12/79-	15-	28-	11.8-	-	-	8.3-	14-	7-	1-	7-	5-	8-	2-	2-	1-	-1-	3-	3-	2-	-1-	-	-	-	-	-	2.98
16-	45.2794-	114.1547-	2-	11-	0-	L16443-	07/12/79-	16-	28-	8.0-	-	-	8.0-	107-	16-	1-	7-	5-	8-	2-	2-	1-	-1-	2-	3-	2-	-1-	-	-	-	-	-	2.82
16-	45.3422-	114.1364-	2-	12-	0-	L16444-	07/12/79-	18-	27-	12.5-	-	-	8.1-	15-	15-	1-	7-	5-	7-	3-	3-	1-	2-	4-	2-	3-	2-	-1-	-	-	-	-	13.95
16-	45.3433-	114.1344-	2-	12-	0-	L16445-	07/12/79-	18-	27-	12.2-	-	-	8.4-	16-	15-	1-	7-	4-	6-	3-	3-	1-	2-	1-	2-	3-	2-	-1-	-	-	-	-	13.08
16-	45.3472-	114.1436-	2-	12-	0-	L16446-	07/12/79-	18-	27-	11.9-	-	-	7.8-	19-	45-	1-	6-	4-	6-	2-	2-	1-	2-	1-	2-	3-	2-	-1-	-	-	-	-	63.32
16-	45.2547-	114.1000-	2-	12-	0-	L16447-	07/12/79-	19-	27-	10.0-	-	-	8.2-	13-	12-	1-	6-	5-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	3.74
16-	45.2008-	115.9561-	2-	12-	0-	L16448-	07/15/79-	12-	33-	7.8-	-	-	7.7-	11-	10-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	3.13
16-	45.2000-	115.9539-	2-	12-	0-	L16449-	07/15/79-	12-	33-	7.5-	-	-	7.3-	9-	10-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	3.79
16-	45.2254-	115.9417-	2-	12-	0-	L16450-	07/15/79-	13-	33-	10.7-	-	-	7.3-	12-	5-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	6.99
16-	45.2197-	115.9303-	2-	12-	0-	L16451-	07/15/79-	13-	33-	8.3-	-	-	7.5-	12-	4-	2-	7-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	7.59
16-	45.1811-	115.9861-	2-	12-	0-	L16452-	07/15/79-	14-	34-	11.1-	-	-	7.5-	13-	10-	2-	6-	5-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	2.86
16-	45.1767-	115.9867-	2-	12-	0-	L16453-	07/15/79-	14-	34-	12.8-	-	-	7.6-	11-	12-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	3.92
16-	45.0847-	115.9969-	2-	12-	0-	L16454-	07/15/79-	15-	32-	13.0-	-	-	7.8-	11-	8-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	4.71
16-	45.0767-	115.9842-	2-	12-	0-	L16455-	07/15/79-	16-	30-	13.0-	-	-	8.0-	8-	9-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	4.45
16-	45.0617-	115.9958-	2-	12-	0-	L16456-	07/15/79-	17-	30-	14.4-	-	-	7.8-	9-	8-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	4.39
16-	45.2464-	115.6506-	2-	12-	0-	L16457-	07/16/79-	13-	34-	8.9-	-	-	6.6-	19-	14-	1-	6-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	5.89
16-	45.2442-	115.6367-	2-	12-	0-	L16458-	07/16/79-	13-	34-	7.8-	-	-	6.8-	16-	10-	1-	1-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	10.52
16-	45.2428-	115.6408-	2-	12-	0-	L16459-	07/16/79-	13-	34-	7.1-	-	-	7.1-	19-	18-	1-	1-	4-	1-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	2.61
16-	45.2467-	115.6531-	2-	12-	0-	L16460-	07/16/79-	13-	34-	12.2-	-	-	6.8-	20-	6-	1-	6-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	3.85
16-	45.2364-	115.6781-	2-	12-	0-	L16461-	07/16/79-	14-	33-	9.8-	-	-	6.9-	13-	10-	2-	1-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	5.49
16-	45.2364-	115.6750-	2-	12-	0-	L16462-	07/16/79-	14-	33-	12.8-	-	-	6.2-	22-	6-	2-	1-	4-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	4.12
16-	45.1031-	114.4392-	2-	12-	0-	L16463-	07/10/79-	11-	25-	7.8-	-	-	7.6-	25-	17-	1-	7-	3-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	42.13
16-	45.1008-	114.4372-	2-	12-	0-	L16464-	07/10/79-	11-	25-	7.1-	-	-	7.5-	23-	11-	1-	7-	3-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	56.22
16-	45.0961-	114.4600-	2-	12-	0-	L16465-	07/10/79-	12-	25-	5.1-	-	-	7.1-	17-	7-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	36.52
16-	45.1836-	114.1433-	2-	15-	0-	L16466-	07/10/79-	14-	27-	-	-	-	-	-	12-	1-	1-	4-	5-	-1-	-2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	4.38
16-	45.1861-	114.1200-	2-	12-	0-	L16467-	07/10/79-	14-	28-	14.0-	-	-	7.3-	23-	9-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	3.86
16-	45.1936-	114.1361-	2-	12-	0-	L16468-	07/10/79-	15-	28-	14.7-	-	-	7.6-	19-	7-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	5.26
16-	45.2025-	114.1322-	2-	12-	0-	L16469-	07/10/79-	15-	28-	14.5-	-	-	7.8-	17-	15-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	5.44
16-	45.2075-	114.1342-	2-	12-	0-	L16470-	07/10/79-	15-	26-	16.4-	-	-	7.7-	14-	19-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	12.82
16-	45.2161-	114.1586-	2-	12-	0-	L16471-	07/10/79-	16-	29-	12.7-	-	-	7.4-	17-	3-	4-	7-	4-	5-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	4.76
16-	45.2122-	114.1536-	2-	12-	0-	L16472-	07/10/79-	16-	28-	16.5-	-	-	7.9-	13-	15-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	12.96
16-	45.2169-	114.1747-	2-	12-	0-	L16473-	07/10/79-	16-	27-	13.6-	-	-	7.1-	8-	2-	1-	7-	3-	5-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	5.32
16-	45.2150-	114.1856-	2-	12-	0-	L16474-	07/10/79-	17-	28-	14.8-	-	-	7.4-	10-	25-	1-	7-	3-	5-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	11.25
16-	45.2131-	114.1853-	2-	12-	0-	L16475-	07/10/79-	17-	28-	13.5-	-	-	7.0-	9-	17-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	15.72
16-	45.2325-	114.2144-	2-	12-	0-	L16476-	07/10/79-	17-	28-	13.5-	-	-	7.3-	5-	7-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	6.71
16-	45.2222-	114.1197-	2-	12-	0-	L16477-	07/10/79-	18-	27-	10.4-	-	-	7.2-	7-	10-	4-	7-	3-	7-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	4.10
16-	45.2247-	114.1156-	2-	12-	0-	L16478-	07/10/79-	18-	27-	13.5-	-	-	7.3-	6-	13-	4-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	5.16
16-	45.2197-	114.1053-	2-	12-	0-	L16479-	07/10/79-	18-	25-	15.4-	-	-	7.1-	17-	17-	4-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	23.53
16-	45.2328-	114.0933-	2-	12-	0-	L16480-	07/10/79-	19-	25-	14.9-	-	-	7.1-	25-	16-	2-	1-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	10.39
16-	45.2394-	114.0739-	2-	12-	0-	L16481-	07/10/79-	19-	26-	9.1-	-	-	7.3-	18-	17-	2-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	14.47
16-	45.2378-	114.0742-	2-	12-	0-	L16482-	07/10/79-	19-	28-	13.2-	-	-	7.1-	15-	4-	2-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	47.43
16-	45.1100-	114.1150-	2-	11-	0-	L16483-	07/10/79-	21-	24-	7.1-	-	-	7.1-	8-	8-	1-	1-	3-	5-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	5.35
16-	45.2539-	115.8972-	2-	12-	0-	L16484-	07/17/79-	11-	27-	10.6-	-	-	-	1-	-2-	7-	3-	5-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	5.31
16-	45.2569-	115.8789-	2-	12-	0-	L16485-	07/17/79-	11-	28-	10.1-	-	-	9.9-	1-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	25.17

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.2408-	115.7533-	2-	12-		0-L16435	-5	-5	-5	15	-20	-15	14	-10	-15	25	-5	128	2	74
16-	45.2258-	115.8033-	2-	12-		0-L16436	-5	11	-5	48	-20	-15	19	-10	15	8	-5	198	3	62
16-	45.2272-	115.8033-	2-	12-		0-L16437	-5	6	-5	98	-20	-15	12	-10	-15	7	-5	138	3	63
16-	45.3831-	114.1044-	2-	15-		0-L16438	-5	9	-5	21	-20	15	6	-10	-15	12	-5	779	-1	22
16-	45.4000-	114.1492-	2-	12-		0-L16439	13	14	-5	28	-20	60	-5	-10	-15	36	-5	2399	-1	22
16-	45.3986-	114.2283-	2-	15-		0-L16440	-5	9	-5	34	-20	17	-5	-10	-15	15	-5	1086	2	49
16-	45.3983-	114.2456-	2-	12-		0-L16441	-5	6	-5	21	-20	-15	10	-10	-15	-5	-5	490	2	99
16-	45.2644-	114.1181-	2-	11-		0-L16442	-5	-5	-5	14	-20	-15	5	-10	-15	5	-5	230	-1	30
16-	45.2794-	114.1547-	2-	11-		0-L16443	-5	-5	-5	10	-20	-15	-5	-10	-15	-5	-5	327	1	16
16-	45.3422-	114.1364-	2-	12-		0-L16444	-5	7	-5	16	-20	-15	10	-10	-15	8	-5	1400	4	39
16-	45.3433-	114.1344-	2-	12-		0-L16445	5	6	-5	-10	-20	-15	-5	11	-15	12	-5	1729	3	36
16-	45.3472-	114.1436-	2-	12-		0-L16446	-5	11	-5	23	-20	15	16	10	-15	6	-5	706	3	58
16-	45.2547-	114.1000-	2-	12-		0-L16447	-5	6	-5	17	-20	-15	-5	-10	-15	-5	-5	394	1	17
16-	45.2008-	115.9561-	2-	12-		0-L16448	-5	6	-5	25	-20	-15	9	-10	-15	8	-5	275	1	42
16-	45.2000-	115.9539-	2-	12-		0-L16449	-5	-5	-5	20	-20	-15	8	-10	-15	6	-5	366	2	37
16-	45.2264-	115.9417-	2-	12-		0-L16450	-5	-5	-5	19	-20	-15	12	-10	-15	5	-5	317	1	49
16-	45.2197-	115.9303-	2-	12-		0-L16451	-5	-5	-5	26	-20	-15	17	-10	-15	-5	-5	181	1	89
16-	45.1911-	115.9861-	2-	12-		0-L16452	-5	6	-5	21	-20	-15	14	-10	-15	6	-5	455	1	21
16-	45.1767-	115.9867-	2-	12-		0-L16453	-5	-5	-5	25	-20	15	9	-10	-15	21	-5	337	-1	33
16-	45.0847-	115.9969-	2-	12-		0-L16454	-5	-5	-5	19	-20	-15	13	-10	-15	-5	-5	736	-1	24
16-	45.0767-	115.9842-	2-	12-		0-L16455	-5	-5	-5	17	-20	-15	9	-10	-15	7	-5	218	1	27
16-	45.0517-	115.9958-	2-	12-		0-L16456	-5	-5	-5	14	-20	-15	8	-10	-15	-5	-5	452	2	21
16-	45.2464-	115.6506-	2-	12-		0-L16457	-5	10	-5	20	-20	-15	30	-10	-15	108	-5	263	3	32
16-	45.2442-	115.6367-	2-	12-		0-L16458	-5	6	-5	19	-20	-15	19	-10	-15	26	-5	155	2	31
16-	45.2428-	115.6408-	2-	12-		0-L16459	-5	7	-5	-10	-20	-15	21	-10	-15	68	-5	155	4	37
16-	45.2467-	115.6531-	2-	12-		0-L16460	-5	11	-5	18	-20	-15	20	-10	16	36	-5	289	2	26
16-	45.2364-	115.6781-	2-	12-		0-L16461	-5	22	-5	14	-20	-15	17	-10	15	155	-5	434	1	19
16-	45.2364-	115.6750-	2-	12-		0-L16462	-5	16	-5	11	-20	-15	11	-10	-15	197	-5	245	2	45
16-	45.1031-	114.4392-	2-	12-		0-L16463	-5	9	-5	47	-20	-15	18	18	-15	-5	-5	205	8	67
16-	45.1008-	114.4372-	2-	12-		0-L16464	-5	-5	-5	49	-20	-15	11	11	-15	10	-5	185	6	50
16-	45.0961-	114.4600-	2-	12-		0-L16465	-5	5	-5	38	-20	-15	22	-10	-15	-5	-5	188	3	65
16-	45.1836-	114.1433-	2-	15-		0-L16466	-5	-5	-5	17	-20	-15	21	-10	-15	11	-5	539	1	15
16-	45.1861-	114.1200-	2-	12-		0-L16467	-5	-5	-5	22	-20	-15	8	-10	-15	-5	-5	455	2	16
16-	45.1936-	114.1361-	2-	12-		0-L16468	-5	-5	-5	32	-20	15	13	-10	-15	-5	-5	480	2	19
16-	45.2025-	114.1322-	2-	12-		0-L16469	-5	5	-5	28	-20	20	8	-10	-15	10	-5	393	1	10
16-	45.2075-	114.1342-	2-	12-		0-L16470	9	14	-5	22	99	23	-5	34	38	19	-5	2282	-1	10
16-	45.2161-	114.1586-	2-	12-		0-L16471	-5	-5	-5	39	-20	-15	-5	-10	-15	9	-5	575	2	26
16-	45.2122-	114.1636-	2-	12-		0-L16472	6	16	-5	31	130	-15	8	16	27	19	-5	2046	2	15
16-	45.2169-	114.1747-	2-	12-		0-L16473	-5	6	-5	57	38	-15	-5	20	-15	7	-5	661	1	11
16-	45.2150-	114.1856-	2-	12-		0-L16474	-5	10	-5	31	88	-15	22	-10	-15	10	-5	1120	4	13
16-	45.2131-	114.1853-	2-	12-		0-L16475	-5	10	6	51	70	-15	139	27	33	-5	-5	1081	6	34
16-	45.2325-	114.2144-	2-	12-		0-L16476	-5	-5	-5	24	26	-15	16	-10	-15	28	-5	668	2	13
16-	45.2222-	114.1197-	2-	12-		0-L16477	-5	-5	-5	27	-20	-15	-5	-10	-15	15	-5	542	-1	11
16-	45.2247-	114.1156-	2-	12-		0-L16478	-5	5	-5	22	-20	-15	5	12	-15	145	-5	548	1	19
16-	45.2197-	114.1058-	2-	12-		0-L16479	9	9	-5	-10	-20	-15	8	26	46	22	-5	4484	-1	21
16-	45.2328-	114.0933-	2-	12-		0-L16480	-5	9	-5	10	-20	15	57	-10	-15	81	-5	1243	3	24
16-	45.2394-	114.0739-	2-	12-		0-L16481	6	9	-5	-10	-20	-15	28	18	16	8	-5	2905	3	35
16-	45.2378-	114.0742-	2-	12-		0-L16482	21	-5	-5	-10	-20	41	19	32	30	19	-5	7747	3	32
16-	45.1100-	114.1150-	2-	11-		0-L16483	-5	7	-5	12	-20	-15	-5	-10	-15	13	-5	595	1	8
16-	45.2539-	115.8972-	2-	12-		0-L16484	-5	-5	-5	29	-20	-15	10	-10	-15	11	-5	420	3	26
16-	45.2559-	115.8789-	2-	12-		0-L16485	-5	26	-5	11	-20	-15	-5	-10	25	26	-5	1488	2	38

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER: STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE	LAB SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-45.2408-115.7533-2-12-	0-L16435	92530	3.01	741	17390	158	-132	10.0	51	4.2	5	2.7	37360	156.4	20610	55	4.2
16-45.2258-115.8033-2-12-	0-L16436	95870	0.47	646	14520	292	-140	9.7	51	5.2	19	3.7	39500	443.8	21670	113	7.4
16-45.2272-115.8033-2-12-	0-L16437	97720	-0.05	541	18530	109	-158	5.7	36	5.3	12	1.6	15200	29.9	18530	48	0.8
16-45.3831-114.1044-2-15-	0-L16438	56990	-0.07	677	101000	265	348	6.5	20	2.1	16	2.2	21950	29.6	18150	133	0.8
16-45.4000-114.1692-2-12-	0-L16439	64800	-0.08	486	36820	1885	519	-2.8	41	-1.9	15	3.4	13760	54.5	12960	945	3.4
16-45.3586-114.2283-2-15-	0-L16440	82850	-0.05	731	17630	269	333	3.0	23	1.9	20	1.5	12050	6.5	29290	142	0.8
16-45.3583-114.2456-2-12-	0-L16441	63130	-0.10	470	70580	422	252	13.0	58	-2.7	26	3.0	39440	20.9	27660	214	0.8
16-45.2644-114.1181-2-11-	0-L16442	62080	-0.07	1289	4070	297	355	5.3	-10	5.7	10	2.5	20500	7.4	30020	142	1.0
16-45.2794-114.1547-2-11-	0-L16443	58920	-0.04	1856	3875	108	379	-1.0	10	1.4	7	0.9	8363	4.4	30160	55	0.3
16-45.3422-114.1364-2-12-	0-L16444	78390	-0.09	619	17550	1047	503	7.5	18	-2.2	21	2.1	18750	27.5	19890	512	1.1
16-45.3433-114.1344-2-12-	0-L16445	60330	-0.08	530	16470	498	319	9.4	46	-2.0	21	2.2	32850	54.2	17280	251	0.8
16-45.3472-114.1436-2-12-	0-L16446	87510	-0.09	600	17190	1022	572	7.2	50	-2.2	27	3.4	31520	44.7	19460	534	1.1
16-45.2547-114.1000-2-12-	0-L16447	57830	-0.07	1276	3583	640	271	5.5	27	-1.9	8	2.2	24740	18.7	28380	318	0.6
16-45.2008-115.9561-2-12-	0-L16448	84540	-0.06	792	24440	130	307	13.4	36	2.6	4	1.4	28220	6.7	13370	58	0.3
16-45.2000-115.9539-2-12-	0-L16449	80270	-0.07	760	31460	212	-147	8.5	46	2.7	6	2.0	27470	10.2	18650	102	0.3
16-45.2264-115.9417-2-12-	0-L16450	82840	-0.11	912	24930	287	-147	21.0	112	7.9	6	3.1	62780	17.1	14050	148	0.7
16-45.2197-115.9303-2-12-	0-L16451	89730	-0.09	905	17070	564	301	11.3	70	-2.3	4	3.1	32970	16.0	18420	291	0.8
16-45.1811-115.9861-2-12-	0-L16452	94280	-0.06	951	24240	73	217	6.4	52	3.5	4	1.0	20520	7.7	16630	35	0.3
16-45.1767-115.9867-2-12-	0-L16453	94590	-0.06	939	26150	124	-139	12.9	70	6.6	5	1.5	34210	8.9	10520	56	0.5
16-45.0847-115.9969-2-12-	0-L16454	84940	-0.06	544	31720	82	-146	6.6	38	8.3	4	1.4	18940	5.9	11580	46	0.3
16-45.0767-115.9842-2-12-	0-L16455	86440	-0.09	634	14530	105	446	8.9	47	7.9	4	1.7	31160	9.6	12580	57	0.4
16-45.0617-115.9958-2-12-	0-L16456	86050	-0.08	791	26450	95	-144	8.8	59	5.0	4	2.7	26200	10.3	9281	80	0.6
16-45.2464-115.6506-2-12-	0-L16457	94720	-0.06	1046	18900	127	-151	8.5	70	3.7	10	1.3	24590	20.3	19930	57	0.5
16-45.2442-115.6367-2-12-	0-L16458	86420	0.17	1009	21720	41	-142	4.3	29	4.4	4	0.7	14030	5.0	17910	29	0.2
16-45.2428-115.6408-2-12-	0-L16459	98100	-0.04	949	20540	47	-129	4.0	43	1.9	4	0.9	13980	7.6	18610	26	0.3
16-45.2467-115.6531-2-12-	0-L16460	90520	-0.05	954	13960	178	-119	2.9	22	5.6	8	0.5	15750	23.2	15410	79	1.7
16-45.2364-115.6781-2-12-	0-L16461	93130	-0.05	802	20170	157	-168	2.5	-10	8.5	12	0.8	16640	18.4	19650	65	2.6
16-45.2354-115.6750-2-12-	0-L16462	99770	-0.05	1012	22200	281	-151	2.4	-8	5.1	7	1.2	14870	34.8	12390	126	2.8
16-45.1031-114.4392-2-12-	0-L16463	70790	-0.05	650	10510	246	-103	1.8	-9	6.5	18	1.2	15010	29.5	31320	124	2.1
16-45.1008-114.4372-2-12-	0-L16464	63530	-0.07	711	14740	292	164	4.3	21	7.8	14	-0.2	21740	23.9	17880	138	2.1
16-45.0961-114.4600-2-12-	0-L16465	60200	-0.07	674	16090	118	235	7.3	48	8.4	12	1.4	16960	14.7	17960	63	2.3
16-45.1836-114.1433-2-15-	0-L16466	58990	-0.04	853	10050	60	191	9.1	48	4.6	7	1.0	22110	9.0	18710	27	0.4
16-45.1861-114.1200-2-12-	0-L16467	46790	-0.05	621	5756	77	-68	7.0	42	6.8	6	1.1	19390	7.5	16120	39	0.5
16-45.1936-114.1361-2-12-	0-L16468	42530	-0.08	582	9366	72	169	8.9	52	9.5	6	1.2	25570	9.8	16490	31	0.5
16-45.2025-114.1322-2-12-	0-L16469	67720	-0.07	985	5110	113	253	169.2	43	7.5	10	1.4	38010	15.9	24730	47	1.0
16-45.2075-114.1342-2-12-	0-L16470	37570	0.10	517	-974	44	258	161.9	33	11.2	16	0.9	67990	4.7	17430	22	0.7
16-45.2161-114.1586-2-12-	0-L16471	32120	-0.05	368	3806	67	94	7.5	28	10.3	10	0.9	20540	5.9	14880	33	0.5
16-45.2122-114.1636-2-12-	0-L16472	45810	-0.07	-156	2962	76	138	246.7	34	9.2	15	0.9	37420	8.1	20010	29	0.5
16-45.2169-114.1747-2-12-	0-L16473	40700	-0.05	723	3370	85	-108	26.0	18	13.3	12	1.0	20710	5.2	19910	37	0.5
16-45.2150-114.1856-2-12-	0-L16474	55330	-0.04	696	4523	77	231	8.7	33	3.1	14	1.1	19240	10.5	23140	38	0.5
16-45.2131-114.1853-2-12-	0-L16475	52220	-0.05	634	5336	61	-154	9.0	25	2.3	21	1.1	16350	2.8	14980	31	0.3
16-45.2325-114.2144-2-12-	0-L16476	52090	-0.06	-221	-1512	90	-126	9.5	46	4.7	6	1.5	22450	19.4	25810	41	0.7
16-45.2222-114.1197-2-12-	0-L16477	38210	-0.05	431	3324	101	182	10.7	22	4.0	8	1.2	18570	21.1	14320	36	0.7
16-45.2247-114.1156-2-12-	0-L16478	55350	-0.05	1509	-642	88	259	14.0	135	3.0	10	1.1	29500	10.2	28790	36	0.4
16-45.2197-114.1058-2-12-	0-L16479	62410	-0.04	409	14380	61	500	6.0	26	2.8	33	0.8	15550	6.0	22340	29	0.4
16-45.2328-114.0933-2-12-	0-L16480	76700	-0.04	603	12260	60	488	5.6	28	2.6	15	0.8	16970	6.1	31570	30	0.2
16-45.2394-114.0739-2-12-	0-L16481	71430	-0.05	466	18110	100	547	3.8	16	2.8	31	0.9	15280	4.8	25750	45	0.2
16-45.2378-114.0742-2-12-	0-L16482	64180	-0.04	561	21800	440	392	2.4	20	2.1	50	1.4	9289	10.2	22290	197	1.2
16-45.1100-114.1150-2-11-	0-L16483	27250	-0.03	469	-262	179	-33	2.1	-6	2.0	8	1.2	9164	4.3	20910	84	0.6
16-45.2539-115.8972-2-12-	0-L16484	82970	-0.06	1157	22970	128	-122	4.8	29	2.9	7	1.2	18880	23.5	16380	50	0.8
16-45.2569-115.8789-2-12-	0-L16485	81260	-0.10	602	13580	360	-153	31.8	156	-2.8	57	3.4	87940	115.1	21320	149	1.8

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE / LATITUDE / LONGITUDE / DOE LAB / SAMPLE TYPE / REPLICATE)	LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.2408-115.7533-2-12-	0-L16435	-2284	436	33320	186	-2	18.5	15.8	629	5	2	31.7	2480	30	39.8	63	0.079
16-45.2258-115.8033-2-12-	0-L16436	-2246	552	41160	167	-3	20.4	22.3	-252	7	3	76.5	1268	16	66.3	-53	0.107
16-45.2272-115.8033-2-12-	0-L16437	-2516	411	40980	76	6	4.6	9.6	812	-1	-1	16.5	1306	-9	7.9	-36	0.468
16-45.3831-114.1044-2-15-	0-L16438	4662	440	15100	108	-2	9.5	19.3	-278	-2	1	47.5	4477	63	7.7	64	0.257
16-45.4000-114.1592-2-12-	0-L16439	20130	1323	18700	-46	-2	3.8	142.8	-340	-3	7	346.4	16050	292	38.7	85	0.022
16-45.3956-114.2283-2-15-	0-L16440	9240	546	19450	94	-1	3.0	19.4	-217	-2	1	49.1	6727	100	9.6	78	0.188
16-45.3983-114.2456-2-12-	0-L16441	6838	571	10430	203	-3	10.4	25.9	-315	-3	-1	79.1	5446	85	14.2	247	0.258
16-45.2644-114.1181-2-11-	0-L16442	-2005	291	12400	138	-2	4.9	19.5	-270	-2	1	41.1	2597	53	11.9	77	0.073
16-45.2794-114.1547-2-11-	0-L16443	4822	170	16400	101	-1	1.3	7.0	-188	-1		14.9	2982	52	3.6	91	0.189
16-45.3422-114.1364-2-12-	0-L16444	5422	525	21310	-49	-2	6.2	64.9	-249	-3	3	216.5	4816	62	9.0	86	0.064
16-45.3433-114.1344-2-12-	0-L16445	3159	734	16820	110	-2	10.6	35.0	-279	-2	2	90.4	4626	54	9.1	129	0.145
16-45.3472-114.1436-2-12-	0-L16446	5714	975	18540	114	-2	10.8	61.1	-382	-3	3	214.7	4206	74	7.6	95	0.295
16-45.2547-114.1000-2-12-	0-L16447	2886	401	12410	132	-2	6.8	39.6	-236	-2	2	132.8	2164	42	4.9	95	0.028
16-45.2008-115.9561-2-12-	0-L16448	8992	802	21640	165	-2	7.3	8.3	403	-1	-1	25.5	3655	79	-1.2	132	0.123
16-45.2000-115.9539-2-12-	0-L16449	7942	783	23890	206	-2	8.4	17.9	743	-2	-1	39.2	3522	72	4.2	79	0.097
16-45.2264-115.9417-2-12-	0-L16450	5406	525	22510	271	-3	19.4	19.6	-362	-2	-1	48.8	4924	68	9.8	237	0.143
16-45.2197-115.9303-2-12-	0-L16451	4915	480	26150	138	-2	12.2	38.5	-307	-3	2	103.8	3208	50	7.0	148	0.073
16-45.1811-115.9861-2-12-	0-L16452	5572	432	26410	-31	-2	3.5	5.6	-228	-1	-1	7.3	4002	65	3.0	164	0.392
16-45.1767-115.9867-2-12-	0-L16453	6435	658	23110	104	-2	9.6	11.2	498	-2	-1	18.2	4504	81	4.7	113	0.215
16-45.0847-115.9969-2-12-	0-L16454	8222	702	24270	-33	-2	6.6	5.8	-369	-2	-1	9.8	5508	76	4.7	233	0.481
16-45.0767-115.9842-2-12-	0-L16455	6977	285	21220	94	-2	9.4	9.3	-295	-2	-1	13.2	3649	57	-1.6	358	0.337
16-45.0617-115.9958-2-12-	0-L16456	7576	470	27970	-43	-2	9.0	17.2	645	-2	-1	12.1	3651	53	4.9	96	0.363
16-45.2464-115.6506-2-12-	0-L16457	3985	449	31550	86	-2	7.4	9.4	717	-2	-1	16.6	1815	30	3.9	137	0.355
16-45.2442-115.6367-2-12-	0-L16458	-2505	641	33290	48	9	3.9	4.1	-329	-1		6.2	1401	-9	-0.9	177	1.697
16-45.2428-115.6408-2-12-	0-L16459	-2259	302	36980	92	-1	4.5	5.3	801	-1		6.3	1722	21	2.6	82	0.414
16-45.2467-115.6531-2-12-	0-L16460	-1946	344	32210	220	-1	3.7	15.9	666	8	2	81.5	1947	24	17.3	134	0.047
16-45.2364-115.6781-2-12-	0-L16461	6110	1137	28200	430	-1	3.3	17.5	501	10	2	82.9	2583	41	26.6	169	0.066
16-45.2364-115.6750-2-12-	0-L16462	-2406	870	33250	262	-1	3.1	26.5	1008	19	2	134.2	1534	31	28.3	-57	0.031
16-45.1031-114.4392-2-12-	0-L16463	5596	652	19020	272	-1	3.4	26.6	-276	9	2	95.4	3033	53	16.5	122	0.442
16-45.1008-114.4372-2-12-	0-L16464	7587	776	17810	283	-2	5.0	25.3	-278	10	2	108.7	3828	49	23.6	133	0.517
16-45.0951-114.4600-2-12-	0-L16465	7312	756	15080	207	-2	6.0	27.5	-325	11	3	41.1	3823	59	23.6	-156	0.889
16-45.1836-114.1433-2-15-	0-L16466	3679	775	11250	94	-1	9.5	5.0	-263	-1	-1	8.3	3614	56	3.7	103	0.528
16-45.1861-114.1200-2-12-	0-L16467	2163	613	6590	66	-1	6.7	9.5	-226	2	1	8.5	3254	38	4.1	102	0.454
16-45.1936-114.1361-2-12-	0-L16468	4291	415	8835	222	-2	9.3	7.6	-206	-2	-1	9.4	3457	42	5.0		0.560
16-45.2025-114.1322-2-12-	0-L16469	2809	519	7731	196	-2	8.2	10.6	-218	-2	-1	20.9	3068	61	10.3	118	0.260
16-45.2075-114.1342-2-12-	0-L16470	-1948	1690	9101	259	-1	5.6	5.9	-370	-1	1	6.6	5655	34	5.8	-60	1.942
16-45.2161-114.1586-2-12-	0-L16471	-1293	963	3777	99	-1	7.1	7.4	-265	-1	1	8.3	3070	37	4.7	79	0.573
16-45.2122-114.1635-2-12-	0-L16472	-1711	1424	10970	141	-2	7.0	5.5	-281	-1	-1	10.0	5071	49	5.8		1.296
16-45.2169-114.1747-2-12-	0-L16473	-1965	1612	7719	107	-2	5.0	11.3	-346	2	1	7.0	3851	53	4.8	61	0.760
16-45.2150-114.1956-2-12-	0-L16474	-1950	1359	10020	78	-1	6.5	7.0	-354	-1	-1	9.3	4390	57	5.2	54	1.210
16-45.2131-114.1953-2-12-	0-L16475	-2948	3083	11770	-28	-1	4.4	7.5	-570	-1	-1	7.6	4670	51	2.5		2.068
16-45.2325-114.2144-2-12-	0-L16476	-2319	2804	7943	82	-2	7.2	7.1	-411	-1	-1	12.4	2260	39	5.8	-21	0.541
16-45.2222-114.1197-2-12-	0-L16477	2134	471	4937	91	-1	4.6	9.6	-206	-1	-1	12.3	2411	36	5.4	-36	0.333
16-45.2247-114.1155-2-12-	0-L16478	4481	731	8359	81	-1	10.3	5.5	-272	-1	-1	12.4	2827	55	3.9	49	0.416
16-45.2197-114.1058-2-12-	0-L16479	3479	934	17350	73	-1	5.8	5.8	-298	-1	-1	7.6	10010	65	3.2	-59	3.096
16-45.2328-114.0933-2-12-	0-L16480	3613	523	20710	49	-1	4.4	3.3	-200	-1		10.4	4347	60	2.8	151	0.999
16-45.2394-114.0739-2-12-	0-L16481	3938	731	21160	88	-1	4.9	7.5	-286	-1	-1	14.7	9825	80	2.9	140	0.984
16-45.2378-114.0742-2-12-	0-L16482	3760	849	18590	96	-1	2.8	30.1	-319	-2	2	72.1	12850	85	13.5	-23	0.658
16-45.1100-114.1150-2-11-	0-L16483	1533	156	1961	62	-1	2.7	13.1	-116	-1	1	27.4	3004	35	5.7	55	0.195
16-45.2539-115.8972-2-12-	0-L16484	4321	482	32050	71	-1	8.9	11.8	578	-1	-1	25.7	1958	29	6.9	-36	0.207
16-45.2569-115.8789-2-12-	0-L16485	-2410	917	31820	-48	-3	37.1	21.7	-304	-2	2	36.0	1956	23	14.6	-60	0.699

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.2633-	115.8225-	2-	12-		0-L16486-	07/17/79-	12-	28-	9.7-	0-	-	-	8-		-1-	1-	3-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	7.05
16-	45.2614-	115.8250-	2-	12-		0-L16487-	07/17/79-	12-	29-	13.3-	0-	-	-	8-		-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	6.56
16-	45.2517-	115.8103-	2-	15-		0-L16488-	07/17/79-	13-	29-	0-	0-	-	-	-		-1-	7-	4-	7-	-1-	-2-	1-	3-	3-	1-	-1-	-	-	-	-	-	4.61
16-	45.2536-	115.8139-	2-	12-		0-L16489-	07/17/79-	13-	28-	14.0-	0-	-	-	11-		-1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	2.68
16-	45.2722-	115.8383-	2-	12-		0-L16490-	07/17/79-	14-	29-	13.5-	0-	-	-	6-		-1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	16.97
16-	45.2733-	115.8360-	2-	12-		0-L16491-	07/17/79-	14-	29-	17.0-	0-	-	7.2-	9-		-1-	7-	4-	6-	3-	3-	2-	2-	1-	3-	3-	1-	-1-	-	-	-	-	10.49
16-	45.2864-	115.8406-	2-	12-		0-L16492-	07/17/79-	14-	29-	12.7-	0-	-	9.6-	5-		-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	13.64
16-	45.2911-	115.8367-	2-	12-		0-L16493-	07/17/79-	14-	29-	12.4-	0-	-	9.7-	8-		-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	15.40
16-	45.3089-	115.8214-	2-	12-		0-L16494-	07/17/79-	14-	27-	14.2-	0-	-	-	4-		-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	7.04
16-	45.3364-	115.8072-	2-	12-		0-L16495-	07/17/79-	15-	27-	15.2-	0-	-	7.8-	4-		-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	8.38
16-	45.3608-	115.7797-	2-	12-		0-L16496-	07/17/79-	16-	28-	12.0-	0-	-	7.1-	11-		-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	7.96
16-	45.3617-	115.7833-	2-	12-		0-L16497-	07/17/79-	16-	28-	11.8-	0-	-	7.1-	10-		-1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	17.04
16-	45.3389-	115.7617-	2-	11-		0-L16498-	07/17/79-	18-	25-	4.7-	0-	-	9.1-	1-		-1-	1-	5-	6-	3-	3-	1-	-1-	3-	4-	2-		-1-	-	-	-	-	4.82
16-	45.3572-	115.7544-	2-	11-		0-L16499-	07/17/79-	18-	26-	11.7-	0-	-	6.6-	-		-4-	1-	5-	6-	3-	3-	1-	-1-	3-	4-	2-		-1-	-	-	-	-	3.90
16-	45.3719-	115.7500-	2-	11-		0-L16500-	07/17/79-	18-	26-	9.0-	0-	-	6.8-	1-		-4-	1-	5-	6-	2-	2-	1-	-1-	3-	4-	2-		-1-	-	-	-	-	11.01
16-	45.2764-	115.8586-	2-	12-		0-L16501-	07/17/79-	19-	25-	14.9-	0-	-	8.2-	5-		-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	5.99
16-	45.2517-	115.5414-	2-	12-		0-L16502-	07/18/79-	16-	28-	11.7-	-	-	7.3-	45-		5-	2-	1-	3-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	29.88
16-	45.2586-	115.5403-	2-	12-		0-L16503-	07/18/79-	17-	29-	11.8-	-	-	7.2-	44-		10-	2-	1-	5-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	11.87
16-	45.2589-	115.5367-	2-	12-		0-L16504-	07/18/79-	17-	28-	12.3-	-	-	7.4-	40-		18-	2-	1-	5-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	64.79
16-	45.2800-	115.5819-	2-	11-		0-L16505-	07/18/79-	19-	26-	17.5-	-	-	7.9-	12-		10-	1-	7-	5-	6-	2-	2-	1-	-1-	3-	4-	1-	-1-	-	-	-	-	11.33
16-	45.2550-	115.5008-	2-	12-		0-L16506-	07/19/79-	9-	26-	12.9-	-	-	7.0-	69-		2-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	13.55
16-	45.2553-	115.5103-	2-	12-		0-L16507-	07/19/79-	9-	26-	16.1-	-	-	7.4-	73-		9-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	6.00
16-	45.2289-	115.5572-	2-	12-		0-L16508-	07/19/79-	10-	27-	9.6-	-	-	7.3-	35-		12-	1-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	8.32
16-	45.2203-	115.5703-	2-	12-		0-L16509-	07/19/79-	10-	24-	13.9-	-	-	7.2-	56-		10-	2-	1-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	3.43
16-	45.2194-	115.5797-	2-	12-		0-L16510-	07/19/79-	11-	27-	11.0-	-	-	7.3-	66-		10-	1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	12.15
16-	45.1542-	115.5883-	2-	12-		0-L16511-	07/19/79-	13-	29-	14.4-	-	-	7.0-	28-		14-	2-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	5.62
16-	45.0003-	114.7275-	2-	12-		0-L16512-	07/23/79-	10-	23-	6.5-	0-	-	7.1-	81-		-2-	6-	2-	6-	3-	3-	1-	2-	3-	2-	4-	3-	-1-	-	-	-	-	15.55
16-	45.2394-	115.8142-	2-	12-		0-L16513-	07/15/79-	13-	30-	15.6-	-	-	7.2-	19-		13-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	4.15
16-	45.2358-	115.8769-	2-	12-		0-L16514-	07/15/79-	13-	31-	11.6-	-	-	7.5-	15-		11-	2-	6-	3-	2-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	9.05
16-	45.2297-	115.8755-	2-	12-		0-L16515-	07/15/79-	13-	31-	12.7-	-	-	7.2-	22-		14-	2-	6-	3-	2-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	7.48
16-	45.2214-	115.8786-	2-	12-		0-L16516-	07/15/79-	14-	30-	9.2-	-	-	7.7-	10-		8-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	7.54
16-	45.2211-	115.8775-	2-	12-		0-L16517-	07/15/79-	14-	30-	9.3-	-	-	7.0-	14-		9-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	18.60
16-	45.1719-	115.8353-	2-	12-		0-L16518-	07/15/79-	16-	27-	12.7-	-	-	7.6-	13-		5-	2-	6-	5-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	3.14
16-	45.1475-	115.8514-	2-	12-		0-L16519-	07/15/79-	17-	27-	9.3-	-	-	7.8-	15-		5-	1-	6-	3-	1-	2-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	4.84
16-	45.1478-	115.8542-	2-	12-		0-L16520-	07/15/79-	17-	26-	13.9-	-	-	7.3-	15-		9-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	17.05
16-	45.1967-	115.8322-	2-	12-		0-L16521-	07/15/79-	18-	25-	11.5-	-	-	7.3-	19-		11-	2-	6-	3-	6-	4-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	3.78
16-	45.1892-	115.8300-	2-	12-		0-L16522-	07/15/79-	18-	24-	12.6-	-	-	7.1-	18-		15-	2-	6-	3-	1-	4-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	9.53
16-	45.2158-	115.6075-	2-	11-		0-L16523-	07/17/79-	11-	22-	13.3-	-	-	5.6-	115-		15-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	7.63
16-	45.2031-	115.6014-	2-	11-		0-L16524-	07/17/79-	11-	24-	10.3-	-	-	5.9-	53-		8-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	9.91
16-	45.1878-	115.5719-	2-	12-		0-L16525-	07/17/79-	12-	24-	12.1-	-	-	5.8-	31-		18-	2-	6-	1-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	3.20
16-	45.1714-	115.5759-	2-	12-		0-L16526-	07/17/79-	12-	24-	12.9-	-	-	6.1-	113-		15-	2-	6-	5-	6-	2-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	12.19
16-	45.1528-	115.5828-	2-	12-		0-L16527-	07/17/79-	12-	25-	12.2-	-	-	6.3-	33-		11-	2-	6-	1-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	7.50
16-	45.1314-	115.5811-	2-	12-		0-L16528-	07/17/79-	13-	26-	11.5-	-	-	6.6-	100-		10-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	29.77
16-	45.1194-	115.5919-	2-	12-		0-L16529-	07/17/79-	13-	27-	10.3-	-	-	6.8-	29-		16-	2-	6-	1-	1-	4-	4-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	4.35
16-	45.1164-	115.5925-	2-	12-		0-L16530-	07/17/79-	13-	27-	11.3-	-	-	6.6-	32-		16-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	20.22
16-	45.1081-	115.5989-	2-	12-		0-L16531-	07/17/79-	13-	27-	12.9-	-	-	6.8-	115-		12-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	29.72
16-	45.0919-	115.6172-	2-	11-		0-L16533-	07/17/79-	14-	27-	13.6-	-	-	6.9-	49-		18-	2-	6-	3-	1-	3-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	28.64
16-	45.0911-	115.6178-	2-	12-		0-L16534-	07/17/79-	14-	27-	8.7-	-	-	7.1-	27-		8-	2-	6-	-	-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	68.78
16-	45.0839-	115.6336-	2-	12-		0-L16535-	07/17/79-	15-	27-	13.2-	-	-	7.2-	25-		16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	12.81
16-	45.0769-	115.6425-	2-	12-		0-L16536-	07/17/79-	15-	26-	12.7-	-	-	7.1-	32-		6-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	24.29
16-	45.0878-	115.6269-	2-	11-		0-L16537-	07/17/79-	16-	27-	11.7-	-	-	7.2-	23-		12-	2-	6-	3-	1-	3-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	6.57

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.2633-	115.8225-	2-	12-		0-L16486	-5	14	-5	-10	-20	-15	6	-10	-15	13	-5	433	4	52
16-	45.2614-	115.8250-	2-	12-		0-L16487	-5	12	-5	20	-20	-15	11	-10	20	15	-5	469	2	37
16-	45.2517-	115.8103-	2-	15-		0-L16488	-5	9	-5	14	-20	-15	13	-10	-15	5	-5	123	4	75
16-	45.2536-	115.8139-	2-	12-		0-L16489	-5	7	-5	11	-20	-15	13	-10	17	6	-5	141	4	41
16-	45.2722-	115.8383-	2-	12-		0-L16490	-5	22	-5	12	-20	-15	6	-10	20	17	-5	610	3	59
16-	45.2733-	115.8350-	2-	12-		0-L16491	-5	14	-5	19	-20	-15	5	-10	22	15	-5	1205	2	41
16-	45.2864-	115.8406-	2-	12-		0-L16492	-5	14	-5	-10	-20	-15	8	-10	-15	6	-5	556	3	35
16-	45.2911-	115.8367-	2-	12-		0-L16493	-5	13	-5	-10	-20	-15	3	-10	-15	9	-5	434	3	44
16-	45.3089-	115.8214-	2-	12-		0-L16494	-5	5	-5	16	-20	-15	13	-10	-15	17	-5	185	3	41
16-	45.3364-	115.8072-	2-	12-		0-L16495	-5	6	-5	14	-20	-15	11	-10	-15	8	-5	166	3	34
16-	45.3608-	115.7797-	2-	12-		0-L16496	-5	16	-5	18	-20	30	9	-10	-15	22	-5	280	2	35
16-	45.3617-	115.7833-	2-	12-		0-L16497	-5	11	-5	14	-20	-15	-5	-10	18	16	-5	315	3	26
16-	45.3389-	115.7617-	2-	11-		0-L16498	-5	11	-5	29	-20	16	14	-10	26	5	-5	230	3	45
16-	45.3572-	115.7544-	2-	11-		0-L16499	-5	7	-5	23	-20	-15	7	-10	-15	14	-5	268	2	39
16-	45.3719-	115.7500-	2-	11-		0-L16500	-5	16	-5	21	-20	-15	5	-10	-15	14	-5	520	2	21
16-	45.2764-	115.8586-	2-	12-		0-L16501	-5	13	-5	-10	-20	-15	-5	-10	-15	14	-5	341	3	30
16-	45.2517-	115.5414-	2-	12-		0-L16502	-5	5	-5	14	-20	-15	10	11	-15	8	-5	142	3	42
16-	45.2586-	115.5403-	2-	12-		0-L16503	-5	6	-5	16	-20	-15	15	-10	-15	7	-5	130	2	50
16-	45.2589-	115.5367-	2-	12-		0-L16504	-5	17	-5	10	20	-15	9	-10	-15	14	-5	194	4	43
16-	45.2800-	115.5819-	2-	11-		0-L16505	-5	9	-5	17	-20	-15	-5	-10	-15	24	-5	200	4	36
16-	45.2550-	115.5008-	2-	12-		0-L16506	-5	9	-5	14	-20	-15	14	-10	-15	5	-5	125	3	27
16-	45.2553-	115.5103-	2-	12-		0-L16507	-5	5	-5	19	-20	-15	15	-10	-15	-5	-5	147	3	44
16-	45.2289-	115.5572-	2-	12-		0-L16508	-5	9	-5	12	-20	-15	11	-10	-15	16	-5	253	3	36
16-	45.2203-	115.5703-	2-	12-		0-L16509	-5	-5	-5	21	-20	-15	17	-10	17	5	-5	221	2	33
16-	45.2194-	115.5797-	2-	12-		0-L16510	-5	7	-5	19	-20	-15	15	-10	25	13	-5	195	3	34
16-	45.1542-	115.5883-	2-	12-		0-L16511	-5	6	-5	-10	-20	-15	6	-10	-15	12	-5	257	3	32
16-	45.0003-	114.7275-	2-	12-		0-L16512	-5	-5	-5	15	-20	-15	6	-10	-15	8	-5	419	3	38
16-	45.2394-	115.8142-	2-	12-		0-L16513	-5	-5	-5	14	-20	-15	9	-10	-15	7	-5	186	4	58
16-	45.2358-	115.8769-	2-	12-		0-L16514	-5	5	-5	21	-20	-15	18	-10	-15	5	-5	187	3	85
16-	45.2297-	115.8756-	2-	12-		0-L16515	-5	12	-5	-10	-20	-15	7	-10	-15	13	-5	223	4	70
16-	45.2214-	115.8786-	2-	12-		0-L16516	-5	7	-5	18	-20	-15	13	-10	-15	-5	-5	211	4	56
16-	45.2211-	115.8775-	2-	12-		0-L16517	-5	7	-5	11	-20	-15	16	-10	-15	7	-5	133	3	51
16-	45.1719-	115.8353-	2-	12-		0-L16518	-5	6	-5	17	-20	-15	16	-10	-15	5	-5	175	4	50
16-	45.1475-	115.8514-	2-	12-		0-L16519	-5	-5	-5	10	-20	-15	14	-10	-15	-5	-5	120	3	32
16-	45.1478-	115.8542-	2-	12-		0-L16520	-5	6	-5	13	-20	-15	9	-10	-15	10	-5	168	3	39
16-	45.1867-	115.8322-	2-	12-		0-L16521	-5	5	-5	14	-20	-15	9	-10	-15	11	-5	187	4	40
16-	45.1892-	115.8300-	2-	12-		0-L16522	-5	13	-5	13	-20	-15	9	-10	-15	13	-5	264	4	71
16-	45.2158-	115.6075-	2-	11-		0-L16523	-5	7	-5	14	-20	-15	16	-10	16	39	-5	157	3	51
16-	45.2031-	115.6014-	2-	11-		0-L16524	-5	-5	-5	18	-20	-15	13	-10	-15	25	-5	186	3	42
16-	45.1878-	115.5719-	2-	12-		0-L16525	-5	-5	-5	16	-20	-15	9	-10	-15	26	-5	198	3	51
16-	45.1714-	115.5758-	2-	12-		0-L16526	-5	12	-5	17	-20	-15	8	-10	-15	17	-5	384	3	42
16-	45.1528-	115.5828-	2-	12-		0-L16527	-5	7	-5	14	-20	-15	15	-10	-15	5	-5	198	4	57
16-	45.1314-	115.5811-	2-	12-		0-L16528	-5	9	-5	11	-20	-15	17	-10	18	6	-5	235	4	102
16-	45.1194-	115.5919-	2-	12-		0-L16529	-5	-5	-5	20	-20	-15	7	-10	-15	5	-5	236	3	63
16-	45.1164-	115.5925-	2-	12-		0-L16530	-5	9	-5	20	-20	-15	9	-10	-15	10	-5	337	3	69
16-	45.1081-	115.5989-	2-	12-		0-L16531	-5	5	-5	10	-20	-15	12	-10	-15	9	-5	128	5	135
16-	45.0919-	115.6172-	2-	11-		0-L16533	-5	9	-5	10	-20	-15	13	-10	-15	9	-5	170	5	90
16-	45.0911-	115.6178-	2-	12-		0-L16534	-5	-5	-5	18	-20	-15	12	-10	-15	8	-5	159	4	42
16-	45.0839-	115.6336-	2-	12-		0-L16535	-5	6	-5	13	-20	-15	11	-10	-15	14	-5	141	3	81
16-	45.0769-	115.6425-	2-	12-		0-L16536	-5	7	-5	15	-20	-15	13	-10	-15	10	-5	155	5	64
16-	45.0878-	115.6269-	2-	11-		0-L16537	-5	-5	-5	-10	-20	-15	19	-10	-15	16	-5	123	3	76

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.2633-	115.8225-	2-	12-	0-	L16495	97830	-0.06	912	17540	221	-131	12.4	66	4.8	14	1.9	41830	40.5	24860	85	1.5
16-	45.2614-	115.8250-	2-	12-	0-	L16497	98220	-0.05	1375	17930	141	-115	6.9	28	4.7	8	1.2	23520	11.9	23650	60	0.8
16-	45.2517-	115.8103-	2-	15-	0-	L16498	104400	-0.05	840	21720	65	-144	-0.8	17	2.4	8	1.4	11200	5.6	17210	25	0.3
16-	45.2536-	115.8139-	2-	12-	0-	L16499	103400	-0.04	750	17350	56	-147	3.3	25	3.5	5	0.9	20200	12.0	18960	27	0.5
16-	45.2722-	115.8383-	2-	12-	0-	L16500	91460	-0.07	780	20070	153	-141	9.0	52	4.8	21	2.4	30390	58.0	19810	68	1.6
16-	45.2733-	115.8350-	2-	12-	0-	L16501	92810	-0.07	988	20150	138	-114	7.8	41	3.1	12	2.4	26710	70.1	18550	58	1.6
16-	45.2864-	115.8406-	2-	12-	0-	L16502	87170	-0.07	964	17480	171	-121	7.2	24	4.6	15	1.4	29250	22.9	19960	89	1.3
16-	45.2911-	115.8367-	2-	12-	0-	L16503	94930	-0.06	802	18830	96	-151	4.5	29	4.6	15	1.9	29960	20.1	20290	34	0.6
16-	45.3089-	115.8214-	2-	12-	0-	L16504	97410	-0.05	995	12670	91	-124	8.9	32	2.4	5	1.1	32140	11.3	38560	34	0.3
16-	45.3364-	115.8072-	2-	12-	0-	L16505	92420	-0.05	819	13310	73	-104	5.2	-7	-1.3	5	1.1	19310	14.5	38110	36	0.2
16-	45.3608-	115.7797-	2-	12-	0-	L16506	99530	-0.04	891	23100	39	-105	4.1	19	-1.2	6	0.6	15040	5.3	26320	19	0.1
16-	45.3617-	115.7833-	2-	12-	0-	L16507	88290	-0.05	742	22790	54	-130	4.8	13	3.0	13	0.9	15010	5.3	16260	23	0.1
16-	45.3389-	115.7617-	2-	11-	0-	L16508	84400	-0.11	833	14620	178	236	7.0	67	-2.4	6	1.8	30730	7.6	18280	86	0.5
16-	45.3572-	115.7544-	2-	11-	0-	L16509	94590	-0.10	908	13120	79	428	7.3	-10	-2.0	5	1.2	28950	9.1	16860	49	0.3
16-	45.3719-	115.7500-	2-	11-	0-	L16510	89450	-0.07	1056	7230	479	136	9.7	38	2.0	12	2.5	24730	19.9	29440	230	0.5
16-	45.2764-	115.8586-	2-	12-	0-	L16501	87440	-0.05	1144	18070	328	-109	3.2	17	-1.0	9	1.2	9321	9.4	24830	156	0.3
16-	45.2517-	115.5414-	2-	12-	0-	L16502	82040	-0.07	906	16020	160	-138	3.6	28	2.4	12	1.8	15890	5.3	22570	83	0.7
16-	45.2596-	115.5403-	2-	12-	0-	L16503	73410	-0.07	770	17980	144	-141	5.0	30	3.0	8	1.6	18850	4.6	21490	70	0.5
16-	45.2589-	115.5367-	2-	12-	0-	L16504	73240	-0.07	634	15780	388	-156	4.8	56	-1.6	25	2.7	19310	7.1	19510	191	1.6
16-	45.2800-	115.5819-	2-	11-	0-	L16505	102000	-0.08	896	13490	133	-143	4.3	21	2.8	7	1.6	20170	6.7	21030	66	0.4
16-	45.2550-	115.5008-	2-	12-	0-	L16506	83070	-0.06	774	8704	194	-118	2.3	20	2.1	13	1.5	13510	5.3	35670	87	0.9
16-	45.2553-	115.5103-	2-	12-	0-	L16507	82090	-0.06	992	13050	125	-129	3.7	17	-1.2	9	1.4	18650	5.3	27700	64	0.5
16-	45.2289-	115.5572-	2-	12-	0-	L16508	85370	-0.06	1211	10210	203	-140	4.2	21	2.2	7	2.0	14640	8.9	19750	98	0.3
16-	45.2203-	115.5703-	2-	12-	0-	L16509	92450	-0.09	1311	15760	134	-126	6.0	39	2.4	5	1.5	23950	7.9	27450	69	0.2
16-	45.2194-	115.5797-	2-	12-	0-	L16510	90530	-0.07	815	22760	244	-122	3.8	18	-1.4	6	1.7	16300	7.0	16310	130	0.2
16-	45.1542-	115.5883-	2-	12-	0-	L16511	94770	-0.05	998	24230	367	-122	-1.0	-6	1.9	7	1.5	9867	10.2	18750	185	0.4
16-	45.0203-	114.7275-	2-	12-	0-	L16512	48580	-0.09	545	40600	122	263	7.2	39	1.9	7	1.6	34120	12.6	17550	57	0.4
16-	45.2394-	115.8142-	2-	12-	0-	L16513	92110	-0.07	792	19240	157	-143	2.6	-8	2.4	7	1.1	14530	6.2	21530	80	0.4
16-	45.2358-	115.8769-	2-	12-	0-	L16514	85390	-0.10	662	14800	84	321	4.4	26	4.4	6	1.0	17370	6.1	15040	51	0.2
16-	45.2297-	115.8756-	2-	12-	0-	L16515	94170	-0.07	630	21300	239	-152	5.4	36	3.2	15	1.0	17630	8.7	15100	128	0.8
16-	45.2214-	115.8786-	2-	12-	0-	L16516	93390	-0.06	602	20450	253	-151	2.5	-7	-1.2	10	1.2	11680	8.4	17930	128	0.4
16-	45.2211-	115.8775-	2-	12-	0-	L16517	77130	-0.10	740	19590	133	-184	4.8	-12	2.5	7	1.0	14480	4.8	13380	72	0.3
16-	45.1719-	115.8353-	2-	12-	0-	L16518	92410	-0.07	716	18890	134	219	3.6	14	-1.4	4	1.1	13610	5.7	16700	68	0.2
16-	45.1475-	115.8514-	2-	12-	0-	L16519	76990	-0.07	966	23120	94	-134	4.9	39	-1.2	3	1.0	13830	4.3	16070	46	0.2
16-	45.1478-	115.8542-	2-	12-	0-	L16520	82140	-0.07	851	20350	125	-147	5.1	27	2.4	5	1.1	14180	5.8	14790	73	0.2
16-	45.1867-	115.8322-	2-	12-	0-	L16521	78910	-0.07	721	16550	145	260	3.9	-8	-1.4	4	1.0	13680	7.3	15680	72	0.3
16-	45.1892-	115.8300-	2-	12-	0-	L16522	90970	-0.08	545	19080	422	-138	5.2	-10	-1.5	14	1.1	15570	10.5	14180	216	0.6
16-	45.2158-	115.6075-	2-	11-	0-	L16523	104100	-0.06	943	23590	166	-140	3.2	-7	-1.1	4	1.2	15920	5.0	20110	77	0.2
16-	45.2031-	115.6014-	2-	11-	0-	L16524	88250	-0.07	822	18300	185	-155	5.2	-8	2.1	6	1.3	21740	5.4	20600	85	0.2
16-	45.1878-	115.5719-	2-	12-	0-	L16525	79340	-0.08	1015	22430	293	-133	4.3	29	1.8	6	1.3	18410	8.5	21720	148	0.1
16-	45.1714-	115.5758-	2-	12-	0-	L16526	88990	-0.08	906	20700	674	-129	4.3	27	-1.6	12	1.8	15650	16.0	20780	338	0.4
16-	45.1528-	115.5828-	2-	12-	0-	L16527	95490	-0.05	1124	16580	157	-123	3.5	17	3.5	6	1.1	17320	7.3	23930	79	0.3
16-	45.1314-	115.5811-	2-	12-	0-	L16528	89770	-0.07	745	17930	246	-150	3.7	18	3.5	14	1.6	16070	9.0	16860	131	0.8
16-	45.1194-	115.5919-	2-	12-	0-	L16529	78270	-0.09	776	21920	93	245	10.6	68	3.9	5	1.2	33380	9.1	19950	44	0.4
16-	45.1164-	115.5925-	2-	12-	0-	L16530	71490	-0.10	665	27190	98	-134	8.5	72	3.4	7	1.5	25280	12.9	16730	54	0.5
16-	45.1081-	115.5989-	2-	12-	0-	L16531	88770	-0.05	439	17330	102	-128	2.1	11	3.8	7	0.8	11190	4.9	23000	57	0.4
16-	45.0919-	115.6172-	2-	11-	0-	L16532	95440	-0.06	536	15250	208	-157	-1.2	-7	3.5	16	1.0	11740	8.1	17300	101	0.8
16-	45.0911-	115.6178-	2-	12-	0-	L16533	70830	-0.10	741	25800	69	-139	7.2	71	3.7	4	1.0	23290	5.8	15480	53	0.4
16-	45.0839-	115.6336-	2-	12-	0-	L16534	85290	-0.06	558	15350	127	-139	4.1	-7	4.6	7	1.1	14340	4.5	19370	62	0.4
16-	45.0769-	115.6425-	2-	12-	0-	L16535	97030	-0.05	670	19130	114	-143	2.7	10	2.9	7	1.0	11270	4.1	22280	58	0.4
16-	45.0878-	115.6269-	2-	11-	0-	L16537	90010	-0.08	842	15960	280	-149	4.8	25	4.6	11	1.7	21590	14.6	21430	135	0.5

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

(4)

DOE SAMPLE NUMBER: STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LABS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm): Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	U/Th RATIO
16-	45.2633-	115.8225-	2-	12-		0-L16486	-2347	360	38600	194	-2	17.2	16.0	547	-2	2	39.4	-663	15	15.9	72	0.179
16-	45.2614-	115.8250-	2-	12-		0-L16487	-2015	669	24740	132	-1	9.9	13.3	500	-1	1	27.1	2758	43	9.0		0.243
16-	45.2517-	115.8103-	2-	15-		0-L16488	-2327	454	44380	75	-1	4.5	4.8	-252	-1	-1	5.3	1308	-8	3.8	52	0.870
16-	45.2536-	115.8139-	2-	12-		0-L16489	-2424	212	46150	96	-1	6.1	4.8	818	-1		6.4	-547	-8	5.0	79	0.419
16-	45.2722-	115.8383-	2-	12-		0-L16490	-2495	601	31050	135	-2	15.2	16.3	-336	3	2	32.5	2913	35	16.1	94	0.522
16-	45.2733-	115.8350-	2-	12-		0-L16491	5385	630	23200	129	-2	13.4	15.4	517	1	2	20.3	4622	63	15.3	137	0.517
16-	45.2864-	115.8406-	2-	12-		0-L16492	5115	680	26710	99	-2	11.4	18.1	-247	-2	2	30.1	4243	43	14.7	82	0.453
16-	45.2911-	115.8367-	2-	12-		0-L16493	4905	675	25080	112	-2	7.8	8.8	-304	-1	-1	8.3	3790	44	5.9	78	1.855
16-	45.3089-	115.8214-	2-	12-		0-L16494	5320	951	22500	83	-1	12.7	6.9	-331	-1	-1	13.9	2510	39	2.6	86	0.506
16-	45.3364-	115.8072-	2-	12-		0-L16495	3406	509	24900	-25	-1	8.7	5.9	366	-1	-1	9.5	2033	31	2.3	-26	0.882
16-	45.3608-	115.7797-	2-	12-		0-L16496	7436	535	22430	-22	-1	4.9	2.6	434	-1		4.6	3435	71	1.6	-36	1.730
16-	45.3617-	115.7833-	2-	12-		0-L16497	8765	526	22700	61	-1	5.8	3.2	536	-1		7.4	3681	53	2.3	54	2.303
16-	45.3389-	115.7617-	2-	11-		0-L16498	8213	409	20330	-50	-3	8.1	12.7	-327	-2	-1	30.0	5539	45	-1.9	335	0.161
16-	45.3572-	115.7544-	2-	11-		0-L16499	5375	428	16660	-42	-3	7.3	5.7	-281	-2	-1	14.2	4844	75	-1.7	-37	0.275
16-	45.3719-	115.7500-	2-	11-		0-L16500	4285	378	10150	91	-2	6.2	29.2	-187	-2	1	82.3	3635	45	5.2	116	0.134
16-	45.2764-	115.8586-	2-	12-		0-L16501	-1920	337	31540	89	-1	2.9	20.3	611	-1	1	66.6	1382	20	5.7	38	0.090
16-	45.2517-	115.5414-	2-	12-		0-L16502	-2359	848	30220	121	-2	3.8	14.3	507	-1	1	23.8	1527	21	7.8	124	1.255
16-	45.2586-	115.5403-	2-	12-		0-L16503	-2293	1116	24630	100	-2	5.3	-0.8	-318	-1	1	22.3	1860	35	5.9	105	0.532
16-	45.2589-	115.5367-	2-	12-		0-L16504	3690	1174	27390	110	-2	5.9	37.5	-338	11	2	68.1	1601	31	18.6	132	0.951
16-	45.2800-	115.5819-	2-	11-		0-L16505	-2493	543	30440	104	-2	5.2	9.7	-330	3	-1	17.4	2648	35	4.5	145	0.651
16-	45.2550-	115.5008-	2-	12-		0-L16506	4952	503	34090	105	-1	2.9	18.2	-259	3	1	32.4	1139	19	9.0	119	0.418
16-	45.2553-	115.5103-	2-	12-		0-L16507	2939	608	29050	108	-2	5.6	8.8	-251	-1	-1	20.4	1981	24	5.8	96	0.294
16-	45.2289-	115.5572-	2-	12-		0-L16508	3186	353	29520	-27	-2	4.4	13.1	698	-2	-1	26.5	2114	21	3.8	71	0.314
16-	45.2203-	115.5703-	2-	12-		0-L16509	-2255	594	24920	-35	-2	7.2	8.7	543	-2	-1	18.3	3255	39	3.1	135	0.187
16-	45.2194-	115.5797-	2-	12-		0-L16510	4875	345	31250	93	-2	4.8	17.8	731	-1	-1	28.6	2004	29	4.5	124	0.425
16-	45.1542-	115.5883-	2-	12-		0-L16511	-1980	383	37470	68	-1	2.5	20.4	763	-1	1	49.5	1292	12	2.8	39	0.114
16-	45.0003-	114.7275-	2-	12-		0-L16512	6579	730	17710	-42	-2	9.8	10.3	-300	-2	-1	10.8	3690	52	4.2		1.440
16-	45.2394-	115.8142-	2-	12-		0-L16513	6738	423	35340	95	-2	4.0	10.4	507	-1	-1	25.5	-741	23	4.7	-39	0.163
16-	45.2358-	115.8769-	2-	12-		0-L16514	6236	317	23350	-37	-3	7.9	7.0	-307	-2	-1	15.1	3697	43	2.7	152	0.599
16-	45.2297-	115.8756-	2-	12-		0-L16515	-2453	623	32630	-35	-2	6.3	-0.9	560	-2	1	43.3	2709	43	9.2	-35	0.173
16-	45.2214-	115.8786-	2-	12-		0-L16516	-2419	379	35640	75	-2	4.0	16.4	537	-1	1	41.8	1476	30	4.8	110	0.180
16-	45.2211-	115.8775-	2-	12-		0-L16517	-3225	1040	26780	-42	-3	4.6	9.6	-486	-2	-1	18.5	3008	26	-1.9	-60	1.005
16-	45.1719-	115.8353-	2-	12-		0-L16518	-2294	348	29980	96	-2	5.2	8.7	520	-1	-1	16.6	2717	29	2.5	62	0.189
16-	45.1475-	115.8514-	2-	12-		0-L16519	4123	346	26700	-27	-2	5.3	5.2	-244	-2		11.8	1523	26	1.9	45	0.410
16-	45.1478-	115.8542-	2-	12-		0-L16520	3877	307	27450	-33	-2	4.8	9.4	566	-2	-1	15.9	2036	28	2.7	86	1.072
16-	45.1867-	115.8322-	2-	12-		0-L16521	-2317	389	27050	-30	-2	4.1	7.3	515	-2	-1	18.8	1608	25	4.8	-37	0.201
16-	45.1892-	115.8300-	2-	12-		0-L16522	-2446	569	32530	-32	-2	4.9	31.4	566	-2	2	65.6	2362	27	8.4	-77	0.145
16-	45.2158-	115.6075-	2-	11-		0-L16523	-2262	355	35620	77	-1	4.4	8.5	723	-1		20.5	1405	20	-1.1	74	0.372
16-	45.2031-	115.6014-	2-	11-		0-L16524	3383	542	26910	83	-2	6.2	10.5	552	-2	-1	23.2	2696	34	2.8	150	0.427
16-	45.1878-	115.5719-	2-	12-		0-L16525	4995	542	26920	78	-2	4.9	14.8	675	-2	-1	38.3	2110	26	4.0	-68	0.084
16-	45.1714-	115.5758-	2-	12-		0-L16526	-2266	335	31820	-34	-2	4.4	42.3	718	-2	2	90.6	2579	28	8.2	132	0.135
16-	45.1528-	115.5828-	2-	12-		0-L16527	3089	567	29720	92	-1	4.5	9.3	469	-1		22.2	1955	22	4.6	113	0.338
16-	45.1314-	115.5811-	2-	12-		0-L16528	2563	424	32560	-32	-2	4.0	20.3	-276	2	1	39.3	1623	13	8.6	106	0.758
16-	45.1194-	115.5919-	2-	12-		0-L16529	10580	754	23770	125	-2	11.3	5.5	-315	-1	-1	11.9	4957	64	5.4	96	0.366
16-	45.1164-	115.5925-	2-	12-		0-L16530	9801	708	23740	65	-3	10.8	9.7	-332	-2	-1	12.7	3679	58	6.4		1.592
16-	45.1081-	115.5989-	2-	12-		0-L16531	-2070	390	32170	79	-1	2.7	7.2	351	-1	1	13.3	1138	-7	4.0	84	2.235
16-	45.0919-	115.6172-	2-	11-		0-L16533	-2505	413	36780	106	-1	2.4	16.5	-278	-2	1	31.9	-647	15	9.7	52	0.898
16-	45.0911-	115.6178-	2-	12-		0-L16534	10190	572	23550	-39	-3	9.3	8.2	-342	-2	-1	8.0	2425	51	2.9	-18	8.597
16-	45.0839-	115.6336-	2-	12-		0-L16535	-2349	543	31250	114	-2	3.4	9.7	-314	3	1	17.9	1895	-8	5.2	77	0.716
16-	45.0769-	115.6425-	2-	12-		0-L16536	-2348	392	37900	90	-1	2.2	9.6	-255	-1		16.4	1585	12	4.9	73	1.481
16-	45.0878-	115.6269-	2-	11-		0-L16537	3614	594	24930	100	5	5.7	17.4	431	3	1	43.4	3485	39	6.2	91	0.151

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples ①

STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	U CONCENTRATION: SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16	45.0759	115.6253	2	12	0	L16538	07/17/79	18	26	12.9			7.3	29	10	2	6	3	1	3	3	1	2	1	3	5	1		1					17.17
16	45.2258	115.6131	2	11	0	L16539	07/17/79	20	24	7.8			7.7	20	4	2	6	3	1	3	3	1		1	4	5	1		1					7.40
16	45.2353	115.7800	2	11	0	L16540	07/17/79	21	20	10.6			7.3	18	7	2	6	5	1	3	3	1		1	3	3	1		1					6.72
16	45.1292	115.3608	2	12	0	L16541	07/20/79	14	26	9.5			8.4	30	8	2	6	2	1	4	3	1	2	1	3	4	1		1					24.43
16	45.1297	115.3722	2	12	0	L16542	07/20/79	15	27	9.2			7.7	46	12	2	6	2	1	3	3	1	2	1	3	4	1		1					9.90
16	45.1567	115.5872	2	12	0	L16543	07/19/79	13	29	14.1			7.3	30	10	2	1	4	6	3	3	1	2	1	3	4	1		1					4.96
16	45.1606	115.5819	2	12	0	L16544	07/19/79	14	29	19.9			7.7	136	12	2	1	4	6	3	3	1	2	1	3	4	1		1					4.79
16	45.1508	115.5678	2	12	0	L16545	07/19/79	15	26	11.0			7.9	22	4	2	1	4	6	3	3	1	2	1	3	5	1		1					6.14
16	45.1511	115.5422	2	12	0	L16546	07/19/79	16	29	14.4			7.8	34	31	1	7	4	6	4	3	1	2	1	3	4	1		1					15.42
16	45.1494	115.5267	2	12	0	L16547	07/19/79	16	28	13.2			7.7	52	16	2	1	4	8	3	3	1	2	1	3	4	1		1					7.32
16	45.1136	115.5117	2	12	0	L16548	07/19/79	18	27	11.6			7.8	23	6	2	1	5	8	4	3	1	2	1	3	4	2		1					20.82
16	45.1347	115.5086	2	12	0	L16549	07/19/79	19	28	11.9			7.5	24	4	2	1	4	6	4	3	1	2	1	3	4	2		1					18.18
16	45.1353	115.5069	2	12	0	L16550	07/19/79	19	28	11.5			7.5	22	1	2	1	4	6	4	3	1	2	1	3	4	2		1					32.28
16	45.1496	115.5033	2	12	0	L16551	07/19/79	19	27	10.6			7.4	33	4	2	1	5	8	4	3	1	2	1	3	4	2		1					42.58
16	45.1639	115.4650	2	12	0	L16552	07/19/79	20	26	11.1			7.7	19	10	2	1	5	6	3	3	1	2	1	3	4	2		1					8.68
16	45.4133	115.9722	2	12	0	L16553	07/20/79	13	29	11.1			7.7	20	26	1	1	4	6	3	3	1	2	1	3	4	1		1					5.93
16	45.4131	115.9761	2	12	0	L16554	07/20/79	13	29	12.6			7.6	19	16	1	1	4	6	3	3	1	2	1	3	4	1		1					5.68
16	45.4172	115.9086	2	12	0	L16555	07/20/79	13	29	12.6			8.3	18	4	1	7	4	6	3	3	1	2	1	3	4	1		1					20.18
16	45.4561	115.9353	2	12	0	L16556	07/20/79	15	29	20.2			7.6	231	8	4	7	4	6	2	2	1	2	1	3	4	2		1					8.56
16	45.4508	115.9469	2	12	0	L16557	07/20/79	15	30	16.6			7.9	27	5	3	7	4	6	3	3	1	2	1	3	4	2		1					11.54
16	45.4303	115.9814	2	12	0	L16558	07/20/79	16	33	15.9			7.8	27	1	1	7	4	6	3	3	1	2	1	3	4	1		1					4.07
16	45.4261	115.9997	2	11	0	L16560	07/20/79	17	34	15.3			7.9	137	3	1	7	4	6	2	3	1		1	3	4	2		1					7.75
16	45.3458	115.9450	2	12	0	L16561	07/20/79	19	28	19.0			8.1	27	11	4	1	4	6	3	3	1	2	1	3	4	2		1					4.80
16	45.3431	115.9475	2	12	0	L16562	07/20/79	19	28	16.1			7.7	13	5	4	1	4	6	3	3	1	2	1	3	4	2		1					7.65
16	45.3350	115.7050	2	11	0	L16563	07/17/79	12	29	12.2			7.8	52	6	2	6	5	6	3	3	1		1	3	3	2		1					14.78
16	45.3258	115.7083	2	12	0	L16564	07/17/79	13	29	15.3			7.7	26	12	2	6	2	6	3	3	1	2	1	3	3	2		1					12.34
16	45.3251	115.7050	2	12	0	L16565	07/17/79	13	29	18.5			7.5	29	8	2	6	2	6	3	3	1	2	1	3	3	2		1					12.50
16	45.3228	115.7031	2	11	0	L16566	07/17/79	13	29	9.9			7.4	1050	11	2	6	5	6	3	3	1		1	3	3	2		1					6.76
16	45.3206	115.6975	2	12	0	L16567	07/17/79	14	30	14.9			7.6	29	8	2	6	3	6	3	3	1	2	1	3	3	2		1					9.67
16	45.3058	115.6942	2	12	0	L16568	07/17/79	14	30	19.6			7.4	43	10	2	6	5	6	2	2	1	2	1	3	3	2		1					4.18
16	45.3053	115.7033	2	12	0	L16569	07/17/79	15	30	18.9			7.3	29	11	2	6	2	6	3	3	1	2	1	3	3	2		1					9.60
16	45.2950	115.6919	2	12	0	L16570	07/17/79	15	31	17.1			7.2	36	8	2	6	4	6	3	3	1	2	1	3	3	2		1					7.74
16	45.2878	115.6936	2	12	0	L16571	07/17/79	16	31	16.9			8.2	42	8	2	6	4	1	3	3	1	2	1	3	3	2		1					10.53
16	45.2750	115.7036	2	12	0	L16572	07/17/79	16	30	20.3			7.8	53	5	2	6	3	6	2	2	1	2	1	3	3	2		1					4.16
16	45.2528	115.6639	2	12	0	L16573	07/17/79	16	30	15.1			8.1	29	9	2	6	2	6	3	3	1	2	1	3	3	2		1					24.69
16	45.2633	115.6792	2	12	0	L16574	07/17/79	17	30	14.1	C		7.7	34	11	2	6	4	1	3	3	1	2	1	3	3	2		2					8.33
16	45.2694	115.6744	2	12	0	L16575	07/17/79	17	30	15.1			7.8	42	8	2	6	4	1	3	3	1	2	1	3	3	2		1					8.91
16	45.2603	115.7131	2	12	0	L16576	07/17/79	18	30	12.4	C		8.0	44	7	2	6	3	6	3	3	1	2	1	3	3	2		1					6.70
16	45.2614	115.7192	2	12	0	L16577	07/17/79	19	29	13.6			8.0	30	10	2	6	2	6	3	3	1	2	1	3	3	2		1					4.25
16	45.1814	115.9447	2	12	0	L16578	07/17/79	20	28	14.1			8.3	20	10	2	6	2	6	3	3	1	2	1	3	3	2		1					2.78
16	45.1375	115.3806	2	11	0	L16579	07/20/79	15	27	4.9			7.7	61	9	2	6	5	3	3	3	1		1	4	4	1		9					6.61
16	45.1461	115.3911	2	11	0	L16580	07/20/79	15	27	2.4			8.1	14	14	2	6	5	6	4	3	1		1	3	4	1		1					4.49
16	45.1706	115.3811	2	12	0	L16581	07/20/79	16	27	10.5			8.3	18	6	2	6	2	6	4	3	1	2	1	4	4	1		1					4.38
16	45.1700	115.3808	2	12	0	L16582	07/20/79	16	27	11.1			7.7	31	20	2	6	3	1	3	3	1	2	1	4	4	1		1					13.78
16	45.1606	115.3789	2	11	0	L16583	07/20/79	16	27	2.4			7.7	127	5	2	6	5	8	3	3	1		1	3	4	1		1					7.74
16	45.0925	115.3358	2	12	0	L16584	07/20/79	18	26	10.0			7.1	31	9	2	6	2	6	3	3	1	2	1	3	4	1		1					37.23
16	45.0123	114.7242	2	12	0	L16585	07/23/79	11	23	11.4	C		6.7	63		2	6	2	6	4	3	1	2	3	3	4	3		1					5.64
16	45.0336	114.7219	2	12	0	L16586	07/23/79	12	24	12.9	C		6.6	50		2	6	2	6	4	3	1	2	3	3	4	3		1					28.59
16	45.0408	114.7206	2	15	0	L16587	07/23/79	12	25		C					2	6	5	8		1		2	3	3	4	3		1					1.65
16	45.1578	115.0203	2	15	0	L16589	07/23/79	18	33						14	2	6	5	6		1		2	4	2	3	1		1					3.30
16	45.1403	115.0308	2	15	0	L16590	07/23/79	19	33						8	2	7	5	6		1		2	3	2	4	1		1					2.59

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.0758-	115.6253-	2-	12-	0-	L16538	-5	6	-5	-10	-20	-15	15	-10	-15	20	-5	123	3	127
16-	45.2259-	115.6131-	2-	11-	0-	L16539	-5	7	-5	-10	-20	-15	-5	-10	-15	52	-5	207	4	43
16-	45.2353-	115.7800-	2-	11-	0-	L16540	-5	-5	-5	-10	-20	-15	29	-10	-15	-5	-5	112	5	50
16-	45.1292-	115.3608-	2-	12-	0-	L16541	-5	6	-5	33	-20	23	19	-10	-15	104	-5	172	3	73
16-	45.1297-	115.3722-	2-	12-	0-	L16542	-5	9	-5	23	-20	-15	33	-10	102	247	-5	290	5	51
16-	45.1567-	115.5972-	2-	12-	0-	L16543	-5	7	-5	15	-20	-15	9	-10	-15	13	-5	191	3	70
16-	45.1606-	115.5819-	2-	12-	0-	L16544	-5	7	-5	14	-20	-15	14	-10	-15	5	-5	245	3	71
16-	45.1509-	115.5678-	2-	12-	0-	L16545	-5	-5	-5	-10	-20	-15	19	-10	-15	-5	-5	152	4	80
16-	45.1511-	115.5422-	2-	12-	0-	L16546	-5	-5	-5	-10	-20	-15	9	-10	-15	11	-5	365	4	37
16-	45.1494-	115.5267-	2-	12-	0-	L16547	-5	10	-5	17	-20	-15	6	-10	-15	24	-5	189	4	45
16-	45.1136-	115.5117-	2-	12-	0-	L16548	-5	-5	-5	-10	-20	17	11	-10	-15	15	-5	427	5	37
16-	45.1347-	115.5086-	2-	12-	0-	L16549	-5	-5	-5	10	-20	-15	21	-10	-15	9	-5	176	4	55
16-	45.1353-	115.5069-	2-	12-	0-	L16550	-5	9	-5	13	-20	-15	12	-10	-15	9	-5	442	5	50
16-	45.1486-	115.5033-	2-	12-	0-	L16551	-5	-5	-5	16	-20	-15	15	-10	-15	11	-5	138	4	59
16-	45.1639-	115.4650-	2-	12-	0-	L16552	-5	-5	-5	17	-20	-15	11	-10	-15	10	-5	205	5	48
16-	45.4133-	115.9722-	2-	12-	0-	L16553	-5	6	-5	23	-20	-15	11	-10	-15	-5	-5	514	2	37
16-	45.4131-	115.9761-	2-	12-	0-	L16554	-5	9	-5	21	-20	-15	-5	-10	-15	12	-5	554	2	31
16-	45.4172-	115.9086-	2-	12-	0-	L16555	10	-5	-5	-10	-20	32	9	-10	-15	11	-5	4780	3	32
16-	45.4561-	115.9353-	2-	12-	0-	L16556	-5	12	-5	23	-20	-15	15	-10	20	8	-5	467	3	49
16-	45.4508-	115.9469-	2-	12-	0-	L16557	-5	11	-5	10	-20	-15	-5	-10	-15	11	-5	1153	3	26
16-	45.4303-	115.9814-	2-	12-	0-	L16558	-5	9	-5	-10	-20	-15	11	-10	-15	5	-5	1191	3	47
16-	45.4261-	115.9997-	2-	11-	0-	L16560	-5	7	-5	14	-20	-15	33	-10	-15	5	-5	1021	3	33
16-	45.3458-	115.9450-	2-	12-	0-	L16561														
16-	45.3431-	115.9475-	2-	12-	0-	L16562	-5	5	-5	-10	-20	-15	10	-10	-15	-5	-5	1499	3	23
16-	45.3350-	115.7050-	2-	11-	0-	L16563	-5	6	-5	15	-20	-15	7	-10	-15	15	-5	141	3	42
16-	45.3258-	115.7083-	2-	12-	0-	L16564	-5	14	-5	21	-20	-15	-5	-10	17	33	-5	326	3	34
16-	45.3261-	115.7050-	2-	12-	0-	L16565	-5	19	-5	-10	-20	-15	5	-10	-15	30	-5	388	4	29
16-	45.3228-	115.7031-	2-	11-	0-	L16566	-5	11	-5	-10	-20	-15	11	-10	22	22	-5	229	3	39
16-	45.3206-	115.6975-	2-	12-	0-	L16567	-5	13	-5	-10	-20	-15	10	-10	-15	37	-5	204	4	60
16-	45.3058-	115.6942-	2-	12-	0-	L16568	-5	6	-5	13	-20	-15	13	-10	20	24	-5	171	4	35
16-	45.3053-	115.7033-	2-	12-	0-	L16569	-5	23	-5	-10	-20	-15	11	-10	19	40	-5	384	4	25
16-	45.2950-	115.6919-	2-	12-	0-	L16570	-5	14	-5	10	-20	-15	11	-10	-15	24	-5	203	3	34
16-	45.2878-	115.6936-	2-	12-	0-	L16571	-5	9	-5	17	-20	-15	16	-10	-15	30	-5	149	4	31
16-	45.2750-	115.7036-	2-	12-	0-	L16572	-5	10	-5	11	-20	-15	9	-10	-15	27	-5	202	4	28
16-	45.2628-	115.6639-	2-	12-	0-	L16573	71	42	-5	17	-20	-15	329	-10	55	25	-5	513	4	43
16-	45.2633-	115.6792-	2-	12-	0-	L16574	11	14	-5	23	-20	-15	82	-10	69	62	-5	250	3	39
16-	45.2694-	115.6744-	2-	12-	0-	L16575	-5	6	-5	10	-20	-15	16	-10	-15	39	-5	108	3	46
16-	45.2603-	115.7131-	2-	12-	0-	L16576	-5	21	-5	-10	-20	-15	24	-10	26	91	-5	316	3	48
16-	45.2614-	115.7192-	2-	12-	0-	L16577	-5	9	-5	11	-20	-15	20	-10	-15	11	-5	233	3	38
16-	45.1814-	115.9447-	2-	12-	0-	L16578	-5	8	-5	12	-20	-15	13	-10	-15	9	-5	203	4	29
16-	45.1375-	115.3806-	2-	11-	0-	L16579	-5	9	-5	19	-20	-15	44	-10	19	430	-5	211	5	44
16-	45.1461-	115.3911-	2-	11-	0-	L16580	-5	5	-5	21	-20	25	30	-10	-15	10	-5	182	3	105
16-	45.1706-	115.3811-	2-	12-	0-	L16581	-5	-5	-5	18	-20	-15	21	-10	-15	11	-5	213	6	44
16-	45.1700-	115.3808-	2-	12-	0-	L16582	-5	9	-5	50	-20	17	33	-10	26	158	-5	301	8	63
16-	45.1606-	115.3789-	2-	11-	0-	L16583	-5	-5	-5	37	-20	19	11	-10	-15	22	-5	52	-1	10
16-	45.0925-	115.3358-	2-	12-	0-	L16584	-5	10	-5	-10	-20	-15	13	-10	-15	13	-5	159	3	52
16-	45.0128-	114.7242-	2-	12-	0-	L16585	-5	-5	-5	15	-20	-15	53	-10	-15	-5	-5	355	2	35
16-	45.0336-	114.7219-	2-	12-	0-	L16586	-5	-5	-5	-10	-20	-15	30	-10	22	-5	-5	1199	6	48
16-	45.0408-	114.7206-	2-	15-	0-	L16587	-5	-5	-5	62	-20	-15	7	-10	-15	-5	-5	107	1	16
16-	45.1578-	115.0203-	2-	15-	0-	L16588	-5	-5	-5	30	-20	-15	8	-10	-15	17	-5	249	3	29
16-	45.1403-	115.0308-	2-	15-	0-	L16589	-5	-5	-5	29	-20	-15	-5	-10	-15	35	-5	307	1	37

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LAB. SAMPLE LOCATION NUMBER	Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
		ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS — Concentrations reported in weight parts per million (ppm)															
16-45.0758-115.6253-2-12-	0-L16538	96740	-0.08	535	14770	85	-147	3.9	-9	5.5	6	0.9	16840	4.5	21050	38	0.4
16-45.2258-115.6131-2-11-	0-L16539	95150	-0.07	826	19500	379	-137	4.9	-8	-1.4	9	1.5	14400	8.7	20640	184	0.5
16-45.2353-115.7800-2-11-	0-L16540	93540	-0.04	1144	15370	68	-123	1.7	-4	2.2	6	0.5	6937	3.7	28690	32	0.4
16-45.1292-115.3608-2-12-	0-L16541	79560	-0.08	594	11790	140	130	11.5	49	3.5	7	1.8	33590	6.5	15420	75	0.3
16-45.1297-115.3722-2-12-	0-L16542	81370	0.14	835	8502	194	-114	4.5	25	12.5	5	1.6	19910	10.9	22530	101	0.3
16-45.1567-115.5872-2-12-	0-L16543	88650	-0.06	987	18940	204	-123	2.6	16	2.4	5	1.2	14600	7.0	16820	99	0.2
16-45.1606-115.5819-2-12-	0-L16544	88760	-0.05	1218	21970	245	-136	3.2	20	1.7	5	1.5	14400	8.4	25310	124	0.3
16-45.1508-115.5678-2-12-	0-L16545	92500	-0.05	1163	17920	131	-139	3.2	-6	2.4	6	0.9	14430	4.7	24470	61	0.3
16-45.1511-115.5422-2-12-	0-L16546	76790	-0.07	862	15090	260	-119	3.4	32	1.7	11	1.3	11200	19.2	19960	124	0.8
16-45.1494-115.5267-2-12-	0-L16547	88620	-0.06	903	21030	216	-120	4.9	40	2.2	5	1.5	14790	6.8	16280	105	0.4
16-45.1136-115.5117-2-12-	0-L16548	73640	0.58	627	19940	117	-116	5.7	58	2.4	8	0.9	17700	17.7	20990	62	0.7
16-45.1347-115.5086-2-12-	0-L16549	77570	-0.06	880	12980	92	-143	3.6	24	2.1	7	0.9	13000	8.1	26270	49	0.4
16-45.1353-115.5069-2-12-	0-L16550	77100	-0.08	651	15050	184	200	3.0	32	3.2	15	1.1	15180	21.1	21780	93	1.0
16-45.1486-115.5033-2-12-	0-L16551	80650	-0.07	859	17640	111	-130	3.6	20	2.3	7	1.0	12190	5.6	19260	66	0.5
16-45.1639-115.4650-2-12-	0-L16552	79990	-0.05	890	14300	72	-110	3.9	16	2.9	6	0.9	13210	7.8	21330	37	0.2
16-45.4133-115.9722-2-12-	0-L16553	95630	-0.10	758	29850	258	-168	5.7	16	-1.9	8	1.7	20830	26.1	8277	122	0.5
16-45.4131-115.9761-2-12-	0-L16554	98230	-0.11	979	21200	288	-141	10.7	27	-2.3	8	1.7	33430	26.5	8292	109	0.5
16-45.4172-115.9086-2-12-	0-L16555	67800	-0.10	831	35230	184	-121	7.4	-12	-1.9	13	2.9	27100	205.0	12680	90	1.5
16-45.4561-115.9353-2-12-	0-L16556	74270	-0.07	874	40230	238	-115	6.9	37	-1.4	9	1.6	21850	15.8	23970	114	0.5
16-45.4508-115.9469-2-12-	0-L16557	73390	-0.08	589	34620	273	-122	10.0	63	-1.5	11	2.5	33010	48.9	15140	137	0.8
16-45.4303-115.9814-2-12-	0-L16558	92510	-0.09	1105	23750	119	-131	7.6	27	-1.8	5	1.9	29640	29.7	21030	49	0.4
16-45.4261-115.9997-2-11-	0-L16560	88470	-0.09	841	33840	199	-121	4.7	21	-1.5	10	2.3	20890	60.6	15660	106	0.7
16-45.3458-115.9450-2-12-	0-L16561	51940	-0.09	926	29520	117	268	10.2	29	-1.3	6	1.3	25990	10.0	11420	62	0.3
16-45.3431-115.9475-2-12-	0-L16562	52640	-0.08	703	37760	163	-136	6.3	-9	-1.5	9	2.2	22520	64.9	14630	86	0.6
16-45.3350-115.7050-2-11-	0-L16563	74890	-0.10	395	18360	226	-138	3.5	-12	-1.8	11	2.0	14940	7.1	10730	110	0.5
16-45.3258-115.7083-2-12-	0-L16564	60890	-0.08	749	19660	576	-118	6.5	57	-1.5	17	2.6	20120	15.1	20950	287	0.8
16-45.3261-115.7050-2-12-	0-L16565	94910	0.21	913	20090	1106	-126	2.8	27	-1.3	29	3.4	11410	15.7	20530	541	1.3
16-45.3228-115.7031-2-11-	0-L16566	93770	-0.07	943	21620	555	-147	-1.5	-8	-1.2	15	2.1	11220	9.7	19420	252	0.6
16-45.3206-115.6975-2-12-	0-L16567	90170	-0.10	622	16950	362	-166	4.2	-11	4.1	19	1.9	17420	8.7	21160	168	1.0
16-45.3058-115.6942-2-12-	0-L16568	93630	-0.06	865	16490	261	-126	3.1	-7	-1.2	9	1.6	11280	5.9	18780	125	0.4
16-45.3053-115.7033-2-12-	0-L16569	95490	-0.07	1137	19930	381	-125	-1.5	27	-1.2	32	2.7	10000	12.1	22730	430	1.5
16-45.2950-115.6919-2-12-	0-L16570	91030	-0.07	680	16380	350	-159	3.3	22	1.7	18	2.2	13220	7.0	16500	172	0.8
16-45.2878-115.6936-2-12-	0-L16571	95620	-0.08	630	18600	239	-143	4.1	18	-1.5	14	1.8	17190	6.5	18870	114	0.8
16-45.2750-115.7036-2-12-	0-L16572	103300	-0.06	931	15490	301	-116	3.8	18	-1.1	8	1.7	19100	6.9	17120	145	0.4
16-45.2628-115.6639-2-12-	0-L16573	85770	0.76	815	20210	1844	-131	-2.6	-15	102.8	59	5.4	13910	18.4	16460	920	2.5
16-45.2633-115.6792-2-12-	0-L16574	95730	1.17	1044	20350	391	-164	3.3	-10	7.7	10	2.0	19180	9.7	17240	206	0.4
16-45.2694-115.6744-2-12-	0-L16575	83720	-0.10	722	18460	133	-172	6.1	-11	-2.0	8	1.8	18140	4.6	15950	64	0.4
16-45.2603-115.7131-2-12-	0-L16576	94330	0.45	873	18710	590	-136	3.9	20	-1.5	11	1.9	16760	11.7	17160	293	0.4
16-45.2614-115.7192-2-12-	0-L16577	93370	-0.05	959	24360	303	-122	2.7	12	-0.9	7	1.2	9583	8.6	17060	149	0.3
16-45.1814-115.9447-2-12-	0-L16578	82080	-0.05	1042	20430	124	-125	3.3	-6	-1.1	4	0.7	15650	10.2	18250	61	0.3
16-45.1375-115.3806-2-11-	0-L16579	101100	0.25	1082	7253	128	-125	6.4	15	9.4	3	1.2	21180	6.5	34020	63	0.2
16-45.1461-115.3911-2-11-	0-L16580	74950	-0.10	523	11300	83	216	10.8	67	5.7	5	1.3	34160	6.9	16490	41	0.3
16-45.1706-115.3811-2-12-	0-L16581	58890	-0.09	576	11790	62	309	4.8	21	3.5	4	0.5	16870	6.8	19580	27	-0.1
16-45.1700-115.3808-2-12-	0-L16582	78220	0.20	763	9460	116	-121	8.6	54	3.5	8	1.8	30520	11.2	27880	65	0.4
16-45.1606-115.3789-2-11-	0-L16583	22130	-0.15	-329	40970	17	313	8.7	151	7.0	-2	-0.4	12420	-1.9	-7443	-9	-0.2
16-45.0925-115.3358-2-12-	0-L16584	82250	-0.09	1094	15520	218	-131	4.2	22	6.6	6	2.2	17290	6.6	20990	126	0.3
16-45.0128-114.7242-2-12-	0-L16585	61040	-0.08	663	21590	107	380	10.7	56	4.7	7	1.6	33240	14.7	22970	52	0.5
16-45.0336-114.7219-2-12-	0-L16586	61670	0.19	423	14380	588	228	10.1	62	4.5	18	1.9	42030	66.9	23960	290	1.5
16-45.0408-114.7206-2-15-	0-L16587	32950	-0.09	425	105300	49	268	9.9	54	3.1	4	0.7	18050	4.3	9843	28	0.2
16-45.1578-115.0203-2-15-	0-L16588	72250	-0.09	681	14760	117	-109	12.9	100	8.0	6	1.9	39510	9.4	22920	44	0.3
16-45.1403-115.0308-2-15-	0-L16589	65840	-0.09	665	37530	184	552	27.1	36	10.0	10	4.1	86050	9.9	12300	78	0.4

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAB SAMPLE LOCATION NUMBER	Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.0758-	115.6253-	2-	12-		0-L16538	-2598	823	28120	120	-2	4.1	5.2	-376	2	-1	11.2	2201	-10	-1.3	73	1.533
16-	45.2258-	115.6121-	2-	11-		0-L16539	-2399	389	35400	93	-2	3.9	25.9	874	-2	1	50.3	1604	19	4.3	84	0.147
16-	45.2353-	115.7800-	2-	11-		0-L16540	-2008	355	38310	94	-1	1.8	5.1	568	-1	1	9.8	-500	8	4.1	56	0.686
16-	45.1292-	115.3608-	2-	12-		0-L16541	5881	812	16970	75	4	9.1	12.7	-291	-2	-1	16.3	3532	56	2.4	125	1.499
16-	45.1297-	115.3722-	2-	12-		0-L16542	3502	523	33010	100	15	4.7	10.5	461	-2	-1	22.5	3016	36	4.1	159	0.440
16-	45.1567-	115.5872-	2-	12-		0-L16543	-2090	395	32700	84	-2	3.4	12.8	970	-1		25.8	1828	16	2.5	107	0.192
16-	45.1606-	115.5819-	2-	12-		0-L16544	4093	623	33140	76	-1	3.5	-0.7	570	-1		32.2	1550	19	3.8	106	0.149
16-	45.1508-	115.5678-	2-	12-		0-L16545	2979	421	35920	106	-1	3.2	8.3	620	-1		18.1	1359	10	3.6	75	0.339
16-	45.1511-	115.5422-	2-	12-		0-L16546	-2110	413	31420	94	-2	3.8	19.5	-259	-1	1	35.1	1517	14	8.0	75	0.439
16-	45.1494-	115.5267-	2-	12-		0-L16547	-2116	309	33190	80	-2	4.8	15.4	904	-1	-1	27.2	2227	30	4.7	127	0.269
16-	45.1136-	115.5117-	2-	12-		0-L16548	5302	565	24920	97	-2	7.6	10.6	-231	-1	-1	19.7	2478	29	6.4	-87	1.057
16-	45.1347-	115.5096-	2-	12-		0-L16549	-2220	494	28540	139	-1	3.9	8.7	-261	-1	1	14.1	1232	19	4.3	-58	1.289
16-	45.1353-	115.5069-	2-	12-		0-L16550	-2350	637	29010	89	-2	4.9	11.8	472	-2	1	25.9	1359	17	12.7	-96	1.246
16-	45.1486-	115.5033-	2-	12-		0-L16551	4385	401	30550	-26	-2	3.9	9.4	346	-1	-1	11.9	1727	29	4.6	85	3.578
16-	45.1539-	115.4650-	2-	12-		0-L16552	4447	244	28810	87	-1	4.9	5.4	-194	-1		10.1	2385	26	2.8	62	0.859
16-	45.4133-	115.9722-	2-	12-		0-L16553	5833	616	27220	-43	-2	8.5	16.8	-327	-2	-1	38.7	3042	56	6.2	154	0.153
16-	45.4131-	115.9761-	2-	12-		0-L16554	8257	1687	16950	-44	-3	12.7	13.9	-465	-2	-1	35.5	2800	68	6.7	64	0.160
16-	45.4172-	115.9086-	2-	12-		0-L16555	6413	702	29090	-32	-3	18.3	17.6	631	3	1	38.0	4114	64	11.8	80	0.531
16-	45.4561-	115.9353-	2-	12-		0-L16556	15320	670	21820	-28	-2	7.5	16.7	-240	-1	1	41.5	4436	65	6.0	114	0.206
16-	45.4508-	115.9469-	2-	12-		0-L16557	9012	717	22470	71	-2	14.7	19.8	539	-1	1	41.8	5229	76	9.1	-45	0.276
16-	45.4303-	115.9814-	2-	12-		0-L16558	7756	634	30230	128	-2	11.3	8.1	-307	-1	-1	18.2	3095	61	4.8	-109	0.224
16-	45.4261-	115.9997-	2-	11-		0-L16560	5405	371	32560	65	-2	10.5	16.0	494	-1	1	26.2	2402	37	5.8	174	0.296
16-	45.3458-	115.9450-	2-	12-		0-L16561	-2893	1486	24800	-39	-2	8.1	6.2	-424	-2	-1	18.9	3699	89	2.7	87	0.254
16-	45.3431-	115.9475-	2-	12-		0-L16562	6344	562	28380	-32	-2	14.2	11.7	410	-1	-1	21.0	2680	55	7.6	67	0.364
16-	45.3350-	115.7050-	2-	11-		0-L16563	-2490	328	23760	-37	-3	4.3	16.1	723	-2	-1	27.0	2345	22	7.0	-43	0.547
16-	45.3258-	115.7033-	2-	12-		0-L16564	3240	584	25440	103	-2	5.4	44.9	359	-2	2	92.3	2947	35	11.1	133	0.134
16-	45.3261-	115.7050-	2-	12-		0-L16565	-2049	301	38550	-31	-2	3.3	65.8	633	-2	4	161.4	1757	18	13.3	126	0.077
16-	45.3228-	115.7031-	2-	11-		0-L16566	-2396	220	37920	66	-2	3.2	32.4	544	-2	2	70.7	1055	16	8.3	50	0.096
16-	45.3206-	115.6975-	2-	12-		0-L16567	-2911	1023	32930	83	3	5.0	27.1	-423	-2	-1	52.0	1560	-11	11.2	103	0.186
16-	45.3058-	115.6942-	2-	12-		0-L16568	-3243	257	36470	95	-1	3.2	17.1	725	-1	-1	35.5	1519	14	5.3	108	0.118
16-	45.3053-	115.7033-	2-	12-		0-L16569	-2055	283	37820	56	-2	3.0	53.8	744	-2	3	126.7	1010	12	18.8	44	0.075
16-	45.2950-	115.6919-	2-	12-		0-L16570	4548	404	36480	62	-2	4.5	28.0	540	-2	2	52.0	1624	25	10.5	-42	0.149
16-	45.2878-	115.6936-	2-	12-		0-L16571	-2525	587	34000	87	-2	5.0	19.7	-324	-1	-1	37.0	1867	18	8.2	65	0.285
16-	45.2750-	115.7036-	2-	12-		0-L16572	-2053	258	34940	66	-1	3.4	20.2	660	-1	1	40.2	1641	19	7.2	-67	0.103
16-	45.2628-	115.6539-	2-	12-		0-L16573	4852	321	32930	-48	174	4.2	111.7	600	-3	7	269.7	2437	24	28.4	86	0.092
16-	45.2633-	115.6792-	2-	12-		0-L16574	4780	499	26400	72	11	4.0	21.6	943	-2	-1	46.4	2015	21	4.6	128	0.180
16-	45.2694-	115.6744-	2-	12-		0-L16575	-3011	813	27770	-41	-3	4.9	9.8	-433	-2	-1	17.1	1406	22	5.6	-23	0.521
16-	45.2603-	115.7131-	2-	12-		0-L16576	3467	381	32790	-33	-2	4.5	38.0	906	-2	2	75.3	2307	25	5.2	-50	0.089
16-	45.2614-	115.7192-	2-	12-		0-L16577	-2017	237	38180	56	-1	2.8	15.3	872	-1	1	37.7	1053	15	3.6	55	0.113
16-	45.1814-	115.9447-	2-	12-		0-L16578	-2057	331	28980	-23	-1	4.1	7.7	467	-1		20.9	2124	40	4.1	-52	0.133
16-	45.1375-	115.3806-	2-	11-		0-L16579	3602	557	22480	148	21	5.5	6.9	-309	-1	-1	14.5	3375	44	-1.5	201	0.456
16-	45.1461-	115.3911-	2-	11-		0-L16580	8390	831	15160	-39	-3	11.9	6.4	-325	-1	-1	12.5	4661	67	5.8	-105	0.359
16-	45.1706-	115.3811-	2-	12-		0-L16581	-2226	390	16160	-38	-2	5.0	3.4	-280	-1	-1	6.3	3070	38	-1.7	106	0.695
16-	45.1700-	115.3808-	2-	12-		0-L16582	5951	779	14400	133	7	8.8	10.3	-292	3	-1	15.1	4123	55	4.7	331	0.913
16-	45.1606-	115.3789-	2-	11-		0-L16583	8214	1518	2622	-56	-4	5.7	1.9	-655	-3	-1	-1.9	-1526	53	-2.8	-75	
16-	45.0925-	115.3358-	2-	12-		0-L16584	-2292	430	25390	72	-2	5.3	19.4	-299	-2	-1	23.7	3514	32	-1.5	114	1.571
16-	45.0128-	114.7242-	2-	12-		0-L16585	10160	645	17810	91	-2	10.6	9.3	-250	-1	-1	14.1	4517	57	5.4	181	0.400
16-	45.0336-	114.7219-	2-	12-		0-L16586	8151	581	20820	168	-2	10.7	31.4	-260	7	2	126.1	5725	55	14.3	105	0.227
16-	45.0408-	114.7206-	2-	15-		0-L16587	9779	770	10160	64	-2	6.3	2.7	-331	-2	-1	6.7	1893	38	-1.7	-73	0.246
16-	45.1578-	115.0203-	2-	15-		0-L16588	10080	1437	14910	124	-2	14.7	7.9	-343	-1	-1	8.7	5873	86	4.9	157	0.379
16-	45.1403-	115.0308-	2-	15-		0-L16589	17000	2094	13230	-42	6	16.1	16.4	-349	4	1	6.8	12750	169	4.8	149	0.381

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umhos/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.1433-	115.0564-	2-	12-		0-L16590-	07/23/79-	19-	30-	7.2-	-	-	8.0-	235-	6-	2-	7-	5-	6-	2-	2-	1-	-	1-	2-	4-	1-	-1-	-	-	-	-	-	8.76
16-	45.1511-	115.0764-	2-	12-		0-L16591-	07/23/79-	20-	25-	9.9-	-	-	7.4-	308-	1-	2-	6-	5-	9-	2-	2-	1-	2-	4-	2-	3-	1-	-1-	-	-	-	-	-	2.29
16-	45.1472-	115.0922-	2-	15-		0-L16592-	07/23/79-	20-	25-	-	-	-	-	-	10-	2-	7-	5-	6-	-1-	-2-	1-	2-	4-	1-	-1-	-1-	-	-	-	-	-	-	1.62
16-	45.1636-	115.1267-	2-	12-		0-L16593-	07/23/79-	21-	24-	14.3-	-	-	8.0-	92-	6-	2-	7-	5-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	-	23.80
16-	45.7958-	115.7583-	2-	12-		0-L16594-	07/27/79-	10-	32-	13.1-	-	-	7.4-	29-	15-	2-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	10.72
16-	45.8064-	115.7897-	2-	12-		0-L16595-	07/27/79-	10-	32-	12.2-	-	-	7.2-	14-	14-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	8.75
16-	45.8128-	115.8089-	2-	12-		0-L16596-	07/27/79-	10-	32-	13.3-	-	-	7.4-	42-	14-	2-	7-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	7.37
16-	45.0189-	115.1172-	2-	12-		0-L16597-	07/23/79-	14-	31-	11.4-	-	-	7.6-	10-	20-	2-	6-	2-	3-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	4.68
16-	45.0189-	115.1189-	2-	12-		0-L16598-	07/23/79-	14-	31-	14.5-	-	-	7.2-	24-	21-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	7.22
16-	45.0314-	115.1167-	2-	12-		0-L16599-	07/23/79-	15-	31-	11.3-	-	-	7.3-	18-	25-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	7.15
16-	45.0403-	115.1122-	2-	12-		0-L16600-	07/23/79-	15-	30-	19.6-	-	-	7.1-	40-	14-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	12.04
16-	45.0386-	115.1144-	2-	12-		0-L16601-	07/23/79-	16-	30-	13.1-	-	-	7.2-	35-	29-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	11.15
16-	45.0586-	115.1186-	2-	12-		0-L16602-	07/23/79-	16-	30-	21.2-	-	-	8.0-	183-	19-	2-	7-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.15
16-	45.0619-	115.1175-	2-	12-		0-L16603-	07/23/79-	16-	30-	6.6-	-	-	8.0-	63-	8-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	40.66
16-	45.0617-	115.1147-	2-	12-		0-L16604-	07/23/79-	17-	30-	19.4-	-	-	7.8-	38-	31-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.22
16-	45.0819-	115.1200-	2-	12-		0-L16605-	07/23/79-	17-	29-	13.4-	-	-	7.8-	63-	13-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	17.71
16-	45.0858-	115.1267-	2-	12-		0-L16606-	07/23/79-	18-	29-	11.5-	-	-	7.8-	53-	9-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	4.72
16-	45.0919-	115.1364-	2-	12-		0-L16607-	07/23/79-	18-	29-	9.3-	-	-	7.8-	50-	4-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	65.86
16-	45.0931-	115.1422-	2-	12-		0-L16608-	07/23/79-	19-	28-	9.4-	-	-	7.0-	68-	9-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.94
16-	45.0967-	115.1541-	2-	12-		0-L16609-	07/23/79-	20-	27-	11.9-	-	-	7.2-	55-	11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	5.84
16-	45.0981-	115.1547-	2-	12-		0-L16610-	07/23/79-	20-	27-	16.7-	-	-	7.4-	44-	23-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.12
16-	45.1172-	115.1722-	2-	12-		0-L16611-	07/23/79-	20-	28-	16.6-	-	-	7.7-	54-	10-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	4.57
16-	45.1339-	115.1572-	2-	12-		0-L16612-	07/23/79-	21-	26-	16.3-	-	-	7.6-	51-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	3.57
16-	45.1067-	115.6181-	2-	12-		0-L16613-	07/17/79-	15-	26-	16.1-	-	-	8.5-	9-	12-	2-	1-	2-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	8.16
16-	45.0972-	115.6289-	2-	12-		0-L16614-	07/17/79-	16-	25-	19.8-	-	-	8.1-	130-	3-	2-	1-	1-	1-	2-	2-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	3.44
16-	45.0908-	115.6292-	2-	12-		0-L16615-	07/17/79-	17-	25-	15.3-	-	-	8.1-	12-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	13.59
16-	45.2959-	115.5281-	2-	12-		0-L16616-	09/18/79-	16-	26-	9.6-	-	-	8.4-	10-	4-	2-	1-	5-	8-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	41.83
16-	45.1467-	115.5108-	2-	12-		0-L16617-	07/19/79-	15-	24-	12.4-	-	-	8.5-	11-	14-	2-	1-	1-	6-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	24.10
16-	45.1528-	115.5031-	2-	12-		0-L16618-	07/19/79-	19-	22-	12.4-	-	-	8.5-	19-	5-	2-	1-	1-	6-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	7.38
16-	45.0508-	114.7219-	2-	12-		0-L16619-	07/23/79-	13-	24-	6.8-	0-	-	6.7-	101-	-2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	4-	3-	-1-	-	-	-	-	-	-	33.44
16-	45.8097-	115.6556-	2-	12-		0-L16620-	07/27/79-	20-	26-	13.2-	-	-	7.1-	27-	7-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	22.23
16-	45.8639-	115.4239-	2-	12-		0-L16621-	07/29/79-	11-	28-	17.9-	-	-	7.9-	29-	9-	3-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	19.91
16-	45.8647-	115.4233-	2-	12-		0-L16622-	07/29/79-	11-	28-	15.6-	-	-	7.9-	14-	14-	3-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	23.29
16-	45.8644-	115.4211-	2-	15-		0-L16623-	07/29/79-	12-	29-	-	-	-	-	-	22-	2-	6-	4-	6-	-1-	-2-	1-	3-	3-	2-	-1-	-	-	-	-	-	-	-	6.52
16-	45.8494-	115.4136-	2-	12-		0-L16624-	07/29/79-	12-	30-	13.9-	-	-	7.7-	12-	11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	10.43
16-	45.8428-	115.4017-	2-	12-		0-L16625-	07/29/79-	13-	31-	14.4-	-	-	7.6-	22-	14-	2-	6-	3-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.61
16-	45.8556-	115.4158-	2-	12-		0-L16626-	07/29/79-	12-	30-	23.9-	-	-	7.8-	15-	8-	2-	6-	2-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	9.61
16-	45.8253-	115.4706-	2-	12-		0-L16627-	07/29/79-	14-	32-	19.2-	-	-	7.7-	13-	28-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	12.57
16-	45.8211-	115.4531-	2-	15-		0-L16628-	07/29/79-	14-	32-		-0-	-	-	-	12-	2-	6-	5-	6-	-1-	-2-	4-	3-	3-	2-	-3-	-	-	-	-	-	-	-	6.65
16-	45.8519-	115.4461-	2-	15-		0-L16629-	07/29/79-	14-	32-		-0-	-	-	-	14-	2-	6-	4-	6-	-1-	-2-	1-	3-	3-	2-	-3-	-	-	-	-	-	-	-	8.18
16-	45.7944-	115.3994-	2-	12-		0-L16630-	07/29/79-	15-	32-	20.2-	-	-	7.7-	17-	9-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	25.23
16-	45.7800-	115.3839-	2-	12-		0-L16631-	07/29/79-	15-	31-	19.8-	-	-	7.6-	12-	18-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	19.78
16-	45.7736-	115.3833-	2-	12-		0-L16632-	07/29/79-	15-	31-	22.2-	-	-	7.3-	36-	18-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	16.13
16-	45.7664-	115.3856-	2-	12-		0-L16633-	07/29/79-	15-	31-	15.8-	-	-	7.5-	11-	12-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	28.74
16-	45.7536-	115.3919-	2-	12-		0-L16634-	07/29/79-	16-	30-	14.3-	-	-	7.4-	6-	5-	2-	6-	3-	6-	3-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	13.30
16-	45.7619-	115.3983-	2-	12-		0-L16635-	07/29/79-	16-	30-	16.5-	-	-	7.3-	14-	7-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	19.50
16-	45.7936-	115.4342-	2-	12-		0-L16636-	07/29/79-	17-	30-	15.3-	-	-	7.3-	9-	13-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	9.10
16-	45.7919-	115.4517-	2-	12-		0-L16637-	07/29/79-	18-	29-	15.4-	0-	-	7.3-	13-	-2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	-	14.30
16-	45.1958-	115.6811-	2-	12-		0-L16638-	07/16/79-	15-	32-	12.9-	-	-	6.1-	11-	6-	1-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	2.93
16-	45.1583-	115.6639-	2-	12-		0-L16639-	07/16/79-	16-	32-	9.5-	-	-	6.1-	12-	6-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	1.93
16-	45.1589-	115.6664-	2-	12-		0-L16640-	07/16/79-	16-	32-	11.1-	-	-	6.2-	11-	14-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	2.41

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAB SAMPLE LOCATION NUMBER	Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.1433-	115.0564-	2-	12-		0-116590	-5	-5	-5	33	-20	-15	-5	-10	-15	7	5	85	3	36
16-	45.1511-	115.0764-	2-	12-		0-116591	-5	-5	-5	78	-20	35	-5	12	-15	-5	-5	177	-1	5
16-	45.1472-	115.0922-	2-	15-		0-116592	-5	-5	-5	57	-20	31	6	-10	17	-5	-5	177	-1	21
16-	45.1536-	115.1267-	2-	12-		0-116593	-5	-5	-5	23	-20	-15	9	-10	-15	14	-5	514	1	21
16-	45.7955-	115.7583-	2-	12-		0-116594	-5	12	-5	15	-20	-15	-5	-10	-15	16	-5	505	5	31
16-	45.8044-	115.7897-	2-	12-		0-116595	-5	7	-5	11	-20	-15	-5	-10	-15	10	-5	669	3	42
16-	45.8128-	115.8089-	2-	12-		0-116596	-5	-5	-5	31	-20	17	41	10	-15	9	-5	522	3	33
16-	45.0189-	115.1172-	2-	12-		0-116597	-5	-5	-5	13	-20	-15	22	-10	-15	-5	-5	392	3	42
16-	45.0189-	115.1189-	2-	12-		0-116598	-5	-5	-5	17	-20	-15	12	-10	18	27	-5	776	3	41
16-	45.0314-	115.1167-	2-	12-		0-116599	-5	-5	-5	10	-20	-15	16	-10	-15	6	-5	411	3	36
16-	45.0403-	115.1122-	2-	12-		0-116600	-5	-5	-5	21	-20	-15	16	-10	-15	12	-5	226	4	39
16-	45.0336-	115.1144-	2-	12-		0-116601	-5	-5	-5	-10	-20	-15	22	-10	-15	5	-5	256	3	30
16-	45.0586-	115.1186-	2-	12-		0-116602	-5	-5	-5	-10	-20	-15	24	-10	-15	19	-5	296	4	30
16-	45.0619-	115.1175-	2-	12-		0-116603	-5	-5	-5	24	-20	-15	13	-10	-15	-5	-5	171	5	79
16-	45.0617-	115.1147-	2-	12-		0-116604	-5	-5	-5	10	-20	-15	16	-10	-15	26	-5	560	4	83
16-	45.0819-	115.1200-	2-	12-		0-116605	-5	-5	-5	42	-20	-15	7	-10	-15	16	-5	240	2	46
16-	45.0858-	115.1267-	2-	12-		0-116606	-5	-5	-5	36	-20	15	-5	-10	-15	11	-5	270	5	53
16-	45.0919-	115.1364-	2-	12-		0-116607	-5	-5	-5	51	-20	-15	-5	-10	-15	10	-5	132	4	43
16-	45.0931-	115.1422-	2-	12-		0-116608	-5	-5	-5	11	35	-15	10	-10	-15	14	-5	935	3	30
16-	45.0967-	115.1561-	2-	12-		0-116609	-5	-5	-5	13	-20	-15	-5	-10	-15	13	-5	505	2	39
16-	45.0981-	115.1547-	2-	12-		0-116610	-5	6	-5	14	-20	-15	14	-10	-15	9	-5	354	5	31
16-	45.1172-	115.1722-	2-	12-		0-116611	-5	-5	-5	35	45	-15	5	-10	-15	9	-5	398	3	42
16-	45.1339-	115.1672-	2-	12-		0-116612	5	-5	-5	42	85	-15	-5	13	-15	9	-5	343	2	42
16-	45.1067-	115.6181-	2-	12-		0-116613	-5	-5	-5	10	-20	-15	9	-10	-15	9	-5	170	2	44
16-	45.0972-	115.6289-	2-	12-		0-116614	-5	6	-5	13	-20	-15	22	-10	-15	-5	-5	134	-1	104
16-	45.0908-	115.6292-	2-	12-		0-116615	-5	-5	-5	15	-20	-15	9	-10	-15	6	-5	172	2	79
16-	45.2369-	115.5281-	2-	12-		0-116616	-5	6	-5	20	-20	-15	11	-10	-15	6	-5	161	3	53
16-	45.1467-	115.5108-	2-	12-		0-116617	-5	-5	-5	17	-20	-15	15	-10	-15	9	-5	167	-1	124
16-	45.1523-	115.5031-	2-	12-		0-116618	-5	-5	-5	13	-20	-15	18	-10	-15	7	-5	145	4	40
16-	45.0508-	114.7219-	2-	12-		0-116619	-5	-5	-5	40	-20	39	7	-10	-15	-5	-5	208	-1	37
16-	45.8097-	115.6555-	2-	12-		0-116620	-5	10	-5	12	30	23	-5	-10	24	30	-5	1423	1	16
16-	45.8639-	115.4239-	2-	12-		0-116621	5	21	-5	-10	57	15	-5	-10	21	15	-5	1879	-1	18
16-	45.8547-	115.4233-	2-	12-		0-116622	-5	13	-5	-10	-20	15	-5	-10	-15	11	-5	687	2	42
16-	45.8644-	115.4211-	2-	15-		0-116623	-5	-5	-5	45	-20	16	5	-10	-15	6	-5	316	-1	169
16-	45.8494-	115.4136-	2-	12-		0-116624	-5	6	-5	24	-20	19	10	-10	-15	-5	-5	308	2	28
16-	45.8428-	115.4017-	2-	12-		0-116625	-5	10	-5	29	-20	-15	-5	-10	22	11	-5	675	-1	37
16-	45.8556-	115.4158-	2-	12-		0-116626	-5	7	-5	31	25	24	10	-10	-15	5	-5	658	2	36
16-	45.8253-	115.4706-	2-	12-		0-116627	-5	9	-5	18	-20	27	-5	-10	17	39	-5	1314	1	38
16-	45.8211-	115.4531-	2-	15-		0-116628	-5	9	-5	25	-20	-15	13	-10	-15	14	-5	465	-1	38
16-	45.8519-	115.4461-	2-	15-		0-116629	-5	9	-5	17	-20	-15	-5	-10	-15	10	-5	664	-1	22
16-	45.7944-	115.3994-	2-	12-		0-116630	-5	13	-5	-10	35	15	-5	-10	19	14	-5	2247	1	21
16-	45.7800-	115.3839-	2-	12-		0-116631	5	15	-5	-10	89	-15	8	-10	-15	17	-5	3046	-1	31
16-	45.7736-	115.3833-	2-	12-		0-116632	5	14	-5	13	48	-15	29	-10	-15	14	-5	2325	3	25
16-	45.7664-	115.3856-	2-	12-		0-116633	-5	23	-5	-10	-20	-15	-5	10	23	20	-5	1246	2	24
16-	45.7536-	115.3919-	2-	12-		0-116634	-5	11	-5	20	-20	-15	-5	-10	21	8	-5	962	-1	50
16-	45.7619-	115.3983-	2-	12-		0-116635	5	17	-5	15	-20	19	-5	-10	-15	15	-5	1823	2	26
16-	45.7936-	115.4342-	2-	12-		0-116636	-5	9	-5	16	-20	16	-5	-10	-15	8	-5	724	3	28
16-	45.7919-	115.4517-	2-	12-		0-116637	-5	15	-5	-10	24	-15	-5	-10	21	10	-5	1823	-1	21
16-	45.1958-	115.6911-	2-	12-		0-116638	-5	6	-5	26	-20	-15	11	-10	-15	14	-5	202	-1	102
16-	45.1583-	115.6639-	2-	12-		0-116639	-5	5	-5	17	-20	-15	24	-10	-15	9	-5	146	-1	54
16-	45.1589-	115.6664-	2-	12-		0-116640	-5	6	-5	13	-20	-15	7	-10	-15	19	-5	159	-1	32

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
							Concentrations reported in weight parts per million (ppm)															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.1433-	115.0564-	2-	12-		0-L16590	23390	-0.13	-169	71340	36	326	12.5	19	-2.4	3	1.1	26170	2.7	-3587	19	-0.1
16-	45.1511-	115.0764-	2-	12-		0-L16591	64520	-0.11	-173	58260	110	1645	45.1	47	4.4	7	2.8	85060	3.9	13060	48	-0.1
16-	45.1472-	115.0922-	2-	15-		0-L16592	63760	-0.10	397	63780	169	1576	46.3	60	4.5	9	4.0	93960	5.4	10920	71	0.3
16-	45.1636-	115.1267-	2-	12-		0-L16593	69570	-0.11	524	29980	167	429	16.0	36	5.1	9	1.8	52820	17.9	16220	71	0.4
16-	45.7958-	115.7583-	2-	12-		0-L16594	90810	-0.09	737	23790	446	-141	7.7	19	-1.8	20	3.1	23240	16.2	16730	197	1.3
16-	45.8064-	115.7897-	2-	12-		0-L16595	76970	-0.08	865	31010	369	235	11.2	41	3.3	19	3.2	32370	26.9	20220	170	1.2
16-	45.8128-	115.8089-	2-	12-		0-L16596	85170	-0.10	700	24010	244	-128	13.6	71	10.8	18	3.7	39230	19.3	16430	125	1.1
16-	45.0189-	115.1172-	2-	12-		0-L16597	71810	-0.06	903	10760	239	-102	2.7	-8	2.5	5	1.6	16040	13.2	38570	104	0.4
16-	45.0189-	115.1189-	2-	12-		0-L16598	69470	-0.07	792	7161	171	-91	4.2	28	7.9	7	1.1	17260	26.3	35920	92	0.6
16-	45.0314-	115.1167-	2-	12-		0-L16599	73270	-0.07	774	10670	167	-112	4.1	17	4.7	6	1.4	20920	14.2	33720	83	0.5
16-	45.0403-	115.1122-	2-	12-		0-L16600	67240	-0.09	719	9629	138	-127	3.7	-10	9.3	8	1.2	19100	8.5	28810	66	0.4
16-	45.0386-	115.1144-	2-	12-		0-L16601	75750	-0.07	768	10290	166	162	-1.1	-8	4.3	6	1.1	12230	8.8	39770	90	0.3
16-	45.0586-	115.1186-	2-	12-		0-L16602	65360	-0.06	587	6223	117	-75	2.4	-7	13.9	6	1.1	14520	11.2	39420	59	0.5
16-	45.0619-	115.1175-	2-	12-		0-L16603	63490	-0.10	597	18300	72	330	3.9	22	5.6	-1	1.1	16040	5.4	14470	54	0.3
16-	45.0617-	115.1147-	2-	12-		0-L16604	69110	0.07	801	7088	178	-104	3.0	14	7.1	6	1.3	17500	20.1	37780	93	0.4
16-	45.0819-	115.1200-	2-	12-		0-L16605	64190	-0.10	660	13090	109	-79	11.8	33	8.5	7	1.5	33790	9.9	22320	47	0.5
16-	45.0858-	115.1267-	2-	12-		0-L16606	54840	-0.09	800	10310	87	139	8.2	35	5.4	5	1.6	28080	8.3	15290	41	0.3
16-	45.0919-	115.1364-	2-	12-		0-L16607	64670	-0.09	597	15690	82	175	10.5	61	15.1	5	1.3	32520	5.5	19380	56	0.5
16-	45.0931-	115.1422-	2-	12-		0-L16608	66270	0.40	836	8917	342	-104	6.0	33	5.8	8	1.9	28550	37.3	33520	164	0.5
16-	45.0967-	115.1561-	2-	12-		0-L16609	54900	-0.08	965	3927	138	-84	6.5	40	4.7	6	1.6	25650	19.6	25840	65	0.5
16-	45.0981-	115.1547-	2-	12-		0-L16610	70390	-0.07	793	8268	189	-94	5.2	29	7.9	6	1.5	23900	15.4	36190	80	0.4
16-	45.1172-	115.1722-	2-	12-		0-L16611	72170	-0.07	1195	17420	173	397	10.5	23	5.3	7	2.5	43040	14.6	30990	82	0.4
16-	45.1339-	115.1572-	2-	12-		0-L16612	65290	0.30	1121	37100	246	1076	23.9	52	3.0	11	4.9	93870	10.6	19190	108	0.4
16-	45.1067-	115.6191-	2-	12-		0-L16613	34190	-0.07	1049	17780	238	-132	2.6	-7	2.7	9	1.4	11700	7.5	20150	114	0.5
16-	45.0972-	115.6289-	2-	12-		0-L16614	92690	-0.06	779	12660	135	-120	3.2	-6	5.4	7	1.5	20130	5.4	22170	64	0.4
16-	45.0908-	115.6292-	2-	12-		0-L16615	97350	-0.05	943	20570	162	-137	2.3	-5	-0.9	8	1.1	8211	5.0	22610	88	0.5
16-	45.2969-	115.5281-	2-	12-		0-L16616	83110	-0.09	644	17420	112	-161	6.5	28	3.2	8	1.2	21570	6.1	27170	54	0.5
16-	45.1467-	115.5108-	2-	12-		0-L16617	73630	-0.05	712	16080	87	-133	4.5	39	2.6	6	0.9	14690	7.6	24530	40	0.4
16-	45.1528-	115.5031-	2-	12-		0-L16618	82000	-0.05	1124	12460	97	-117	-0.8	16	-1.0	5	1.1	9568	4.8	21790	45	0.3
16-	45.0508-	114.7219-	2-	12-		0-L16619	61280	-0.09	-145	28440	88	517	14.2	106	2.8	6	1.3	29510	6.9	14680	46	0.5
16-	45.8097-	115.6556-	2-	12-		0-L16620	59190	0.17	729	17860	940	-117	11.1	86	-1.9	49	6.3	43140	83.4	17750	399	4.4
16-	45.8639-	115.4239-	2-	12-		0-L16621	62890	0.28	439	35980	924	233	15.2	105	-2.3	48	7.0	51130	84.2	10450	398	3.6
16-	45.8647-	115.4233-	2-	12-		0-L16622	75350	0.24	633	16570	910	-124	9.0	76	-2.0	49	7.0	32390	38.8	13210	392	3.4
16-	45.8644-	115.4211-	2-	15-		0-L16623	93750	-0.10	997	10490	120	259	20.1	69	7.2	10	1.8	42730	14.8	25830	50	0.7
16-	45.8494-	115.4136-	2-	12-		0-L16624	75270	-0.09	597	21250	336	238	13.1	72	4.6	20	3.0	39870	17.7	13150	145	1.5
16-	45.8428-	115.4017-	2-	12-		0-L16625	79920	-0.10	749	16920	182	-123	14.9	61	3.6	11	2.2	35500	14.1	17940	79	0.9
16-	45.8556-	115.4158-	2-	12-		0-L16626	82460	-0.13	924	14270	311	-114	12.9	68	4.7	19	3.0	47150	23.8	21840	139	1.2
16-	45.8253-	115.4706-	2-	12-		0-L16627	92890	-0.10	933	15050	455	-113	12.5	65	4.9	29	3.9	40350	50.8	22470	191	1.9
16-	45.8211-	115.4531-	2-	15-		0-L16628	82410	-0.09	936	8674	214	-108	13.5	53	3.0	16	2.7	36110	24.5	16060	94	1.2
16-	45.8519-	115.4461-	2-	15-		0-L16629	73410	0.11	933	8611	312	-83	12.5	53	2.1	21	3.0	35800	26.1	17420	134	1.6
16-	45.7944-	115.3994-	2-	12-		0-L16630	67050	-0.12	563	21160	869	174	13.9	98	-2.3	46	6.7	60740	125.7	16410	374	3.9
16-	45.7800-	115.3839-	2-	12-		0-L16631	73670	0.29	1099	12750	758	191	8.4	51	4.1	34	5.8	42000	145.4	34160	375	2.9
16-	45.7736-	115.3833-	2-	12-		0-L16632	74140	0.31	749	29020	327	-136	10.8	38	3.3	25	4.2	45030	116.2	12590	141	2.4
16-	45.7654-	115.3856-	2-	12-		0-L16633	77000	0.33	832	12200	1543	-128	14.8	113	-2.3	74	11.1	58690	61.9	18870	613	4.9
16-	45.7536-	115.3919-	2-	12-		0-L16634	85190	-0.10	697	19410	517	-120	5.5	67	-1.8	29	4.4	24610	41.1	12290	220	2.1
16-	45.7619-	115.3983-	2-	12-		0-L16635	84920	-0.10	580	18730	666	193	9.4	64	3.1	44	4.8	32230	59.2	17570	277	3.2
16-	45.7936-	115.4342-	2-	12-		0-L16636	84410	-0.09	735	16890	450	-141	9.8	57	-1.8	22	4.0	29460	41.1	13170	203	1.6
16-	45.7919-	115.4517-	2-	12-		0-L16637	79130	-0.11	628	22590	613	-123	8.4	64	-2.0	29	4.4	29950	82.3	15550	252	2.4
16-	45.1958-	115.6811-	2-	12-		0-L16638	93470	-0.10	650	17150	147	351	7.5	26	-1.8	6	1.2	26000	6.6	13890	69	0.2
16-	45.1583-	115.6539-	2-	12-		0-L16639	87370	-0.08	744	18290	74	-150	5.8	24	3.4	3	0.8	25710	4.6	18820	43	0.2
16-	45.1589-	115.6664-	2-	12-		0-L16640	70970	-0.09	642	16930	228	-156	5.4	-9	-1.7	4	1.0	21440	7.2	11340	103	0.2

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.1433-	115.0564-	2-	12-	0-	L15590	8695	416	5972	-50	-3	6.9	4.3	551	-2	-1	3.6	5640	91	-2.3	-44	2.433
16-	45.1511-	115.0764-	2-	12-	0-	L15591	24710	1068	15550	73	-3	21.0	10.1	560	3	1	4.4	19390	319	-2.0	95	0.520
16-	45.1472-	115.0922-	2-	15-	0-	L15592	27990	1327	13370	-50	-3	20.1	16.9	1005	3	1	4.3	18960	263	-1.7	100	0.377
16-	45.1636-	115.1267-	2-	12-	0-	L15593	10600	1198	19410	91	-3	14.3	10.4	-362	3	-1	18.4	10560	111	4.4	160	1.293
16-	45.7958-	115.7583-	2-	12-	0-	L15594	5349	725	29470	-36	-2	7.3	37.9	611	-2	2	68.1	4855	37	13.5	86	0.157
16-	45.8064-	115.7897-	2-	12-	0-	L15595	8265	701	22940	81	-2	10.9	27.0	-243	-2	2	59.2	10130	87	13.1	59	0.148
16-	45.8128-	115.8089-	2-	12-	0-	L15596	9829	579	20460	100	-3	15.9	22.3	-263	-2	1	31.0	7354	93	10.9		0.238
16-	45.0189-	115.1172-	2-	12-	0-	L15597	-1824	340	23000	132	-2	4.0	9.0	-228	-1		23.8	2080	10	4.8	-31	0.197
16-	45.0189-	115.1189-	2-	12-	0-	L15598	-1621	368	17890	151	5	5.8	12.2	-219	3	-1	21.8	3643	29	5.2	72	0.331
16-	45.0314-	115.1167-	2-	12-	0-	L15599	-1807	537	19790	142	-2	5.9	8.8	-229	2	-1	22.2	2511	19	5.0	-72	0.322
16-	45.0403-	115.1122-	2-	12-	0-	L15600	-2026	425	12380	131	6	7.2	10.4	-270	-2	-1	21.9	2229	23	6.2	124	0.550
16-	45.0386-	115.1144-	2-	12-	0-	L15601	-1976	303	21500	128	-2	3.2	9.7	-246	-1	-1	25.4	1538	-7	4.5	-41	0.439
16-	45.0586-	115.1186-	2-	12-	0-	L15602	-1323	319	13160	179	-2	5.0	10.0	-185	2		23.9	1977	12	4.2	-77	0.257
16-	45.0619-	115.1175-	2-	12-	0-	L15603	-2213	569	12920	-40	-3	6.4	6.6	-308	-2	-1	9.5	2020	44	-1.9	84	4.280
16-	45.0617-	115.1147-	2-	12-	0-	L15604	2703	379	18020	150	4	5.2	9.3	-204	3	1	23.1	2808	16	4.8	96	0.269
16-	45.0819-	115.1200-	2-	12-	0-	L15605	3919	822	6431	133	-3	10.7	10.1	-292	-1	-1	12.7	5493	74	4.5	131	1.394
16-	45.0858-	115.1267-	2-	12-	0-	L15606	4624	494	10410	-36	-2	9.2	6.8	-255	-2	-1	10.2	6525	67	5.7	186	0.463
16-	45.0919-	115.1364-	2-	12-	0-	L15607	6247	810	5710	111	3	10.5	9.2	-254	-2	-1	9.9	3837	80	3.6	115	6.653
16-	45.0931-	115.1422-	2-	12-	0-	L15608	3351	535	17710	133	3	6.8	15.3	-218	-1	1	34.2	4827	41	6.9	133	0.203
16-	45.0967-	115.1561-	2-	12-	0-	L15609	5840	319	15270	100	-2	3.4	8.7	-207	-1	-1	16.5	6445	63	5.2	103	0.354
16-	45.0981-	115.1547-	2-	12-	0-	L15610	3529	630	16940	135	-2	7.1	9.2	-246	-1	-1	23.5	3783	28	5.5	-64	0.260
16-	45.1172-	115.1722-	2-	12-	0-	L15611	9017	710	19150	171	-2	9.2	11.7	-218	4	-1	18.1	8445	88	4.9	112	0.252
16-	45.1339-	115.1672-	2-	12-	0-	L15612	19740	1805	19290	123	-3	16.7	20.1	-378	8	1	11.8	14960	189	5.3	251	0.303
16-	45.1067-	115.6181-	2-	12-	0-	L15613	-2339	345	31910	91	-2	2.6	15.4	551	-1	1	32.3	1184	-6	4.0	53	0.253
16-	45.0972-	115.6289-	2-	12-	0-	L15614	-2079	707	28070	137	-1	3.2	11.1	-287	2	-1	19.6	1454	-8	5.5	164	0.176
16-	45.0908-	115.6292-	2-	12-	0-	L15615	-2250	268	40330	98	-1	1.9	10.6	750	-1	1	25.8	858	-8	5.8	42	0.527
16-	45.2969-	115.5281-	2-	12-	0-	L15616	4019	961	23710	130	-2	7.2	11.2	-348	3	-1	13.5	3431	35	5.7	185	3.099
16-	45.1467-	115.5108-	2-	12-	0-	L15617	5474	524	26720	92	-2	5.8	7.3	-305	-1	-1	11.8	1718	23	3.8	-95	2.042
16-	45.1528-	115.5031-	2-	12-	0-	L15618	-2092	306	31060	91	-1	2.5	8.8	356	-1		13.2	1244	13	3.4	89	0.559
16-	45.0508-	114.7219-	2-	12-	0-	L15619	18040	475	19540	73	-2	11.4	9.9	-239	-1	-1	10.1	3785	78	4.3	-38	3.311
16-	45.8097-	115.6556-	2-	12-	0-	L15620	5861	936	18240	-41	-2	12.6	75.3	-268	5	6	149.4	10750	90	46.7	161	0.149
16-	45.8639-	115.4239-	2-	12-	0-	L15621	9464	1117	18680	-48	-3	18.2	83.2	-333	6	5	124.5	23130	151	36.6	-56	0.160
16-	45.8647-	115.4233-	2-	12-	0-	L15622	7786	662	26110	-39	-3	9.7	90.1	-305	-2	5	141.9	5987	65	39.2	173	0.164
16-	45.8644-	115.4211-	2-	15-	0-	L15623	11290	1159	19310	171	-3	13.3	10.4	-333	-1	-1	17.8	4705	88	7.0	105	0.366
16-	45.8494-	115.4136-	2-	12-	0-	L15624	9268	862	24390	63	-2	15.1	27.2	-289	-2	2	47.2	4227	93	14.5	60	0.221
16-	45.8428-	115.4017-	2-	12-	0-	L15625	7109	800	22190	111	-3	13.1	15.2	-329	-2	2	23.0	3331	66	10.4	113	0.287
16-	45.8556-	115.4158-	2-	12-	0-	L15626	10120	749	14750	133	-3	15.4	26.5	-325	4	2	48.7	7921	100	12.9	169	0.197
16-	45.8253-	115.4706-	2-	12-	0-	L15627	7499	628	21380	85	-2	15.1	35.1	-237	-2	3	72.3	8132	107	19.9	137	0.174
16-	45.8211-	115.4531-	2-	15-	0-	L15628	3291	698	13380	82	-2	12.4	19.7	-254	-2	2	27.2	4719	73	11.9	99	0.244
16-	45.8519-	115.4461-	2-	15-	0-	L15629	2792	578	10770	-39	-3	11.8	26.8	-250	-2	2	44.0	6991	73	15.7	168	0.186
16-	45.7744-	115.3994-	2-	12-	0-	L15630	8630	1231	19990	85	-3	17.8	93.9	-343	4	6	133.8	11350	136	40.1	-54	0.189
16-	45.7800-	115.3839-	2-	12-	0-	L15631	4894	792	17380	176	-2	10.6	41.9	-245	-2	3	85.1	6304	91	28.7	120	0.232
16-	45.7736-	115.3833-	2-	12-	0-	L15632	7701	895	22530	-42	4	16.1	28.0	-294	4	3	54.4	6202	101	25.3	145	0.297
16-	45.7664-	115.3855-	2-	12-	0-	L15633	5369	725	22300	-60	-4	12.8	116.8	-342	-3	8	231.4	7292	110	55.1	-78	0.124
16-	45.7536-	115.3919-	2-	12-	0-	L15634	5462	373	20860	-35	-2	10.4	49.0	397	2	2	84.6	4395	63	23.0	143	0.157
16-	45.7619-	115.3983-	2-	12-	0-	L15635	7748	623	25500	108	-3	12.4	52.8	-260	-2	4	111.7	5319	78	32.6	75	0.175
16-	45.7936-	115.4342-	2-	12-	0-	L15636	4932	524	29730	48	-2	10.1	38.6	-268	-2	3	68.5	3778	60	16.9	157	0.133
16-	45.7919-	115.4517-	2-	12-	0-	L15637	8304	552	28970	-39	-3	10.5	55.8	-288	-2	4	97.2	5960	82	24.4	84	0.147
16-	45.1958-	115.6811-	2-	12-	0-	L15638	6931	673	26860	-38	-3	7.5	8.8	-347	-2	-1	18.0	3941	58	2.5	183	0.163
16-	45.1583-	115.6629-	2-	12-	0-	L15639	5257	914	23470	89	-2	6.5	4.1	-328	-1	-1	11.0	3203	45	-1.4	-119	0.175
16-	45.1589-	115.6654-	2-	12-	0-	L15640	-2518	733	21430	100	-2	6.1	11.7	-333	-2	-1	28.9	2809	53	4.0	91	0.083

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REHULATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU,ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.1608-	115.6586-	2-	11-		0-L16641-	07/16/79-	17-	33-	11.6-	-	-	6.6-	16-	10-	2-	7-	4-	6-	2-	2-	1-	-1-	3-	4-	1-	-1-	-	-	-	-	-	33.40
16-	45.2375-	115.7325-	2-	12-		0-L16642-	07/16/79-	20-	29-	13.1-	-	-	5.9-	19-	8-	2-	1-	4-	1-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	7.13
16-	45.0094-	115.7611-	2-	12-		0-L16643-	07/19/79-	16-	38-	12.5-	-	-	6.6-	78-	12-	2-	6-	4-	6-	2-	2-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	11.23
16-	45.0181-	115.7675-	2-	12-		0-L16644-	07/19/79-	16-	37-	15.4-	-	-	7.3-	51-	10-	2-	7-	4-	6-	2-	2-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	-	5.94
16-	45.0186-	115.7722-	2-	12-		0-L16645-	07/19/79-	18-	36-	14.7-	-	-	8.0-	18-	12-	2-	1-	4-	6-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	-	9.21
16-	45.0169-	115.7719-	2-	12-		0-L16646-	07/19/79-	19-	35-	15.1-	-	-	7.8-	39-	14-	2-	1-	4-	6-	2-	2-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	-	12.33
16-	45.1606-	115.2481-	2-	12-		0-L16647-	07/22/79-	12-	26-	9.4-	-	-	6.0-	54-	21-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	4-	-1-	-	-	-	-	-	3.87
16-	45.1611-	115.2492-	2-	12-		0-L16648-	07/22/79-	12-	26-	10.6-	-	-	6.7-	53-	18-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	4-	-1-	-	-	-	-	-	4.61
16-	45.1603-	115.2269-	2-	11-		0-L16649-	07/22/79-	13-	26-	4.7-	-	-	6.5-	51-	15-	2-	6-	5-	6-	2-	2-	1-	-2-	3-	4-	3-	-1-	-	-	-	-	-	-	23.50
16-	45.1608-	115.2219-	2-	12-		0-L16650-	07/22/79-	14-	26-	7.5-	-	-	7.2-	72-	10-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	-	3.58
16-	45.1550-	115.2114-	2-	12-		0-L16651-	07/22/79-	14-	29-	5.7-	-	-	7.5-	94-	13-	2-	6-	5-	2-	3-	3-	1-	2-	2-	3-	4-	3-	-1-	-	-	-	-	-	3.59
16-	45.1672-	115.2119-	2-	12-		0-L16652-	07/22/79-	15-	28-	9.7-	-	-	7.6-	47-	24-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	4-	3-	-1-	-	-	-	-	-	16.54
16-	45.1697-	115.2017-	2-	12-		0-L16653-	07/22/79-	15-	29-	10.4-	-	-	7.6-	81-	12-	2-	6-	4-	3-	2-	2-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	-	6.36
16-	45.1783-	115.1600-	2-	12-		0-L16654-	07/22/79-	17-	30-	10.5-	-	-	7.5-	42-	10-	2-	6-	2-	5-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	13.87
16-	45.1783-	115.1533-	2-	12-		0-L16655-	07/22/79-	19-	29-	7.6-	-	-	7.7-	135-	7-	2-	6-	3-	6-	3-	3-	1-	2-	2-	3-	4-	2-	-1-	-	-	-	-	-	2.05
16-	45.1767-	115.1458-	2-	15-		0-L16656-	07/22/79-	18-	29-	-	-	-	-	-	7-	2-	6-	5-	6-	-1-	-2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	-	2.00
16-	45.1914-	115.0911-	2-	12-		0-L16657-	07/23/79-	10-	29-	7.6-	-	-	5.5-	81-	6-	2-	6-	4-	6-	2-	3-	1-	2-	2-	2-	4-	1-	-1-	-	-	-	-	-	6.13
16-	45.1967-	115.0797-	2-	12-		0-L16658-	07/23/79-	11-	30-	5.6-	-	-	6.0-	98-	7-	2-	6-	5-	6-	2-	2-	1-	2-	2-	2-	4-	1-	-1-	-	-	-	-	-	3.15
16-	45.1964-	115.0775-	2-	12-		0-L16659-	07/23/79-	11-	32-	6.5-	C-	-	6.2-	98-	6-	2-	6-	4-	6-	3-	3-	1-	2-	2-	4-	4-	1-	-2-	-	-	-	-	-	12.64
16-	45.1953-	115.0311-	2-	12-		0-L16660-	07/23/79-	12-	32-	12.2-	-	-	6.2-	47-	20-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	36.54
16-	45.1950-	115.0300-	2-	12-		0-L16661-	07/23/79-	12-	31-	13.0-	-	-	6.0-	49-	31-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	32.77
16-	45.2000-	115.0344-	2-	12-		0-L16662-	07/23/79-	13-	32-	12.9-	-	-	6.5-	53-	20-	2-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	9.92
16-	45.0192-	115.4783-	2-	12-		0-L16663-	07/17/79-	16-	27-	10.5-	-	-	8.0-	20-	4-	2-	7-	4-	7-	3-	3-	1-	1-	1-	4-	3-	2-	-1-	-	-	-	-	-	24.07
16-	45.0092-	115.3719-	2-	12-		0-L16664-	07/18/79-	14-	26-	9.3-	-	-	7.9-	59-	-2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	12.21
16-	45.1069-	115.4100-	2-	12-		0-L16665-	07/19/79-	15-	27-	10.8-	C-	-	7.7-	25-	-2-	7-	5-	3-	3-	3-	1-	2-	1-	4-	5-	2-	-2-	-	-	-	-	-	-	15.09
16-	45.1147-	115.3497-	2-	12-		0-L16666-	07/19/79-	15-	26-	9.5-	-	-	7.7-	22-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	-	78.02
16-	45.3808-	115.1508-	2-	12-		0-L16667-	07/22/79-	10-	24-	11.3-	-	-	6.0-	53-	2-	2-	7-	4-	8-	3-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	-	8.49
16-	45.3794-	115.1464-	2-	12-		0-L16668-	07/22/79-	10-	25-	10.3-	-	-	6.9-	90-	1-	2-	7-	4-	7-	2-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	-	28.21
16-	45.3711-	115.1253-	2-	12-		0-L16669-	07/22/79-	11-	25-	12.4-	-	-	7.0-	65-	12-	2-	7-	1-	7-	4-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	-	10.16
16-	45.3725-	115.1258-	2-	12-		0-L16670-	07/22/79-	11-	25-	12.0-	-	-	7.3-	56-	8-	2-	7-	1-	8-	3-	3-	1-	2-	1-	3-	3-	3-	-1-	-	-	-	-	-	12.85
16-	45.3831-	115.0917-	2-	12-		0-L16671-	07/22/79-	12-	25-	12.2-	-	-	7.9-	66-	11-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	-	9.63
16-	45.3597-	115.0514-	2-	15-		0-L16672-	07/22/79-	14-	26-	-	-	-	-	-	19-	2-	7-	4-	7-	-1-	-2-	1-	3-	3-	3-	-1-	-	-	-	-	-	-	-	27.50
16-	45.3589-	115.0539-	2-	12-		0-L16673-	07/22/79-	15-	25-	16.6-	-	-	8.0-	113-	9-	2-	7-	2-	7-	2-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	-	35.13
16-	45.3097-	115.1175-	2-	11-		0-L16674-	07/22/79-	17-	25-	6.1-	-	-	8.0-	59-	3-	2-	7-	5-	8-	2-	3-	1-	-1-	3-	3-	2-	-1-	-	-	-	-	-	-	419.60
16-	45.3103-	115.1172-	2-	12-		0-L16675-	07/22/79-	19-	23-	13.9-	-	-	8.1-	53-	10-	2-	7-	4-	8-	2-	3-	1-	1-	1-	4-	3-	2-	-1-	-	-	-	-	-	32.47
16-	45.2047-	115.0439-	2-	11-		0-L16676-	07/23/79-	13-	32-	29.4-	-	-	9.0-	181-	23-	1-	1-	5-	6-	2-	2-	1-	-1-	2-	3-	1-	-1-	-	-	-	-	-	-	11.81
16-	45.2131-	115.0508-	2-	12-		0-L16677-	07/23/79-	14-	33-	10.8-	-	-	7.9-	49-	30-	2-	6-	5-	8-	2-	2-	1-	2-	2-	2-	3-	1-	-1-	-	-	-	-	-	43.06
16-	45.2192-	115.0686-	2-	12-		0-L16678-	07/23/79-	15-	30-	11.3-	-	-	7.2-	36-	18-	2-	6-	5-	8-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	34.57
16-	45.2166-	115.0694-	2-	12-		0-L16679-	07/23/79-	15-	32-	10.7-	-	-	7.3-	37-	18-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	12.28
16-	45.1575-	115.0194-	2-	15-		0-L16680-	07/23/79-	18-	33-	-	-	-	-	-	8-	2-	7-	5-	6-	-1-	-2-	4-	2-	3-	1-	-1-	-	-	-	-	-	-	-	4.59
16-	45.3786-	115.1069-	2-	12-		0-L16681-	07/22/79-	12-	25-	10.5-	-	-	7.3-	139-	9-	2-	7-	4-	6-	2-	3-	1-	1-	1-	3-	3-	3-	-1-	-	-	-	-	-	12.95
16-	45.3108-	115.1164-	2-	12-		0-L16682-	07/22/79-	19-	26-	10.5-	-	-	8.3-	87-	2-	2-	7-	4-	8-	2-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	-	86.95
16-	45.3119-	115.1192-	2-	12-		0-L16683-	07/22/79-	19-	26-	17.1-	-	-	8.3-	91-	14-	2-	7-	4-	7-	2-	3-	1-	1-	1-	3-	3-	2-	-1-	-	-	-	-	-	30.48
16-	45.3478-	115.1522-	2-	12-		0-L16684-	07/22/79-	21-	24-	14.6-	-	-	8.3-	32-	11-	2-	7-	5-	8-	2-	3-	1-	1-	1-	4-	3-	1-	-1-	-	-	-	-	-	27.62
16-	45.3492-	115.1553-	2-	12-		0-L16685-	07/22/79-	21-	22-	12.1-	-	-	8.1-	25-	11-	2-	7-	5-	8-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	2.62
16-	45.4442-	115.2083-	2-	12-		0-L16686-	07/23/79-	11-	25-	8.0-	-	-	8.2-	39-	7-	2-	7-	5-	8-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	6.58
16-	45.4419-	115.2097-	2-	12-		0-L16687-	07/23/79-	11-	25-	10.4-	-	-	8.7-	43-	6-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	10.73
16-	45.0706-	115.3889-	2-	12-		0-L16688-	07/18/79-	16-	27-	7.2-	C-	-	8.5-	3-	-2-	7-	5-	6-	2-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	-	7.31
16-	45.0714-	115.3886-	2-	12-		0-L16689-	07/18/79-	16-	27-	11.7-	C-	-	8.1-	21-	-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	-	9.68
16-	45.0692-	115.3636-	2-	12-		0-L16690-	07/18/79-	16-	26-	13.1-	C-	-	6.8-	29-	-2-	7-	4-	7-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	-	-	13.77
16-	45.0697-	115.3642-	2-	12-		0-L16691-	07/18/79-	16-	26-	13.5-	-	-	7.1-	33-	-2-	7-	4-	7-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	-	-	9.89

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.1608-	115.6596-	2-	11-	0-	L16641	-5	-5	-5	15	-20	-15	10	-10	-15	60	-5	174	-1	62
16-	45.2375-	115.7325-	2-	12-	0-	L16642	-5	7	-5	17	-20	-15	12	-10	-15	15	-5	274	2	69
16-	45.0094-	115.7611-	2-	12-	0-	L16643	-5	12	-5	-10	-20	-15	-5	-10	-15	16	-5	265	3	38
16-	45.0181-	115.7575-	2-	12-	0-	L16644	-5	5	-5	10	-20	-15	12	-10	-15	12	-5	192	3	65
16-	45.0186-	115.7722-	2-	12-	0-	L16645	-5	6	-5	11	-20	-15	7	-10	-15	6	-5	207	3	31
16-	45.0169-	115.7719-	2-	12-	0-	L16646	-5	-5	-5	15	-20	-15	10	-10	-15	7	-5	152	2	61
16-	45.1606-	115.2481-	2-	12-	0-	L16647	-5	-5	-5	17	-20	-15	-5	-10	-15	22	-5	243	2	29
16-	45.1611-	115.2492-	2-	12-	0-	L16648	-5	-5	-5	16	-20	-15	9	-10	-15	19	-5	216	1	31
16-	45.1603-	115.2269-	2-	11-	0-	L16649	-5	-5	-5	64	-20	21	5	-10	-15	10	-5	209	2	55
16-	45.1608-	115.2219-	2-	12-	0-	L16650	-5	-5	-5	28	-20	18	6	-10	-15	8	-5	250	2	20
16-	45.1650-	115.2114-	2-	12-	0-	L16651	-5	-5	-5	28	-20	-15	-5	-10	-15	8	-5	231	1	33
16-	45.1672-	115.2119-	2-	12-	0-	L16652	-5	5	-5	43	52	21	-5	-10	-15	12	-5	450	2	30
16-	45.1697-	115.2017-	2-	12-	0-	L16653	-5	5	-5	305	44	31	-5	-10	-15	10	-5	405	1	27
16-	45.1783-	115.1600-	2-	12-	0-	L16654	-5	-5	-5	33	75	-15	-5	-10	22	13	-5	754	2	43
16-	45.1783-	115.1533-	2-	12-	0-	L16655	-5	-5	-5	28	37	15	-5	-10	-15	17	-5	358	-1	20
16-	45.1757-	115.1459-	2-	15-	0-	L16656	5	-5	-5	48	-20	-15	-5	19	-15	18	-5	481	-1	22
16-	45.1914-	115.0911-	2-	12-	0-	L16657	-5	-5	-5	42	-20	-15	-5	-10	-15	20	-5	263	-1	27
16-	45.1967-	115.0797-	2-	12-	0-	L16658	-5	-5	-5	58	-20	16	-5	-10	-15	16	-5	306	1	75
16-	45.1964-	115.0775-	2-	12-	0-	L16659	-5	6	-5	18	-20	-15	11	-10	-15	-5	-5	411	3	56
16-	45.1953-	115.0311-	2-	12-	0-	L16660	5	-5	-5	-10	-20	-15	-5	-10	-15	18	-5	4891	3	64
16-	45.1950-	115.0300-	2-	12-	0-	L16661	-5	11	-5	16	-20	-15	10	-10	-15	11	-5	717	6	49
16-	45.2000-	115.0344-	2-	12-	0-	L16662	-5	7	-5	13	-20	-15	13	-10	-15	7	-5	306	3	70
16-	45.0192-	115.4783-	2-	12-	0-	L16663	-5	6	-5	18	-20	-15	15	-10	-15	56	-5	167	2	45
16-	45.0092-	115.3719-	2-	12-	0-	L16664	-5	-5	-5	19	-20	-15	15	-10	-15	29	-5	293	3	64
16-	45.1069-	115.4100-	2-	12-	0-	L16665	-5	10	-5	31	-20	-15	33	-10	-15	114	-5	272	4	48
16-	45.1147-	115.3497-	2-	12-	0-	L16666	-5	-5	-5	22	-20	-15	11	-10	-15	14	-5	79	1	40
16-	45.3808-	115.1508-	2-	12-	0-	L16667	-5	7	-5	12	-20	-15	9	-10	-15	8	-5	1467	1	56
16-	45.3794-	115.1464-	2-	12-	0-	L16668	-5	8	-5	-10	-20	-15	8	-10	-15	12	-5	853	3	59
16-	45.3711-	115.1253-	2-	12-	0-	L16669	-5	-5	-5	27	-20	-15	6	-10	-15	8	-5	1534	2	66
16-	45.3725-	115.1258-	2-	12-	0-	L16670	-5	6	-5	11	-20	-15	6	-10	-15	8	-5	958	1	53
16-	45.3831-	115.0917-	2-	12-	0-	L16671	5	9	-5	14	40	-15	9	-10	-15	11	-5	1905	1	59
16-	45.3597-	115.0514-	2-	15-	0-	L16672	-5	5	-5	23	-20	-15	12	-10	-15	-5	-5	401	3	73
16-	45.3589-	115.0539-	2-	12-	0-	L16673	-5	6	-5	11	-20	-15	10	-10	-15	6	-5	684	3	107
16-	45.3097-	115.1175-	2-	11-	0-	L16674	-5	-5	-5	16	-20	-15	-5	-10	-15	5	-5	140	-1	13
16-	45.3103-	115.1172-	2-	12-	0-	L16675	-5	7	-5	22	-20	-15	15	-10	-15	-5	-5	642	3	70
16-	45.2047-	115.0439-	2-	11-	0-	L16676	-5	7	-5	23	-20	-15	18	-10	-15	9	-5	442	3	105
16-	45.2131-	115.0608-	2-	12-	0-	L16677	-5	9	-5	11	-20	-15	15	-10	-15	-5	-5	557	3	65
16-	45.2192-	115.0686-	2-	12-	0-	L16678	-5	10	-5	17	-20	-15	13	-10	-15	7	-5	1211	2	79
16-	45.2186-	115.0694-	2-	12-	0-	L16679	-5	5	-5	21	-20	-15	17	-10	-15	-5	-5	705	3	78
16-	45.1575-	115.0194-	2-	15-	0-	L16680	-5	-5	-5	33	-20	-15	6	-10	-15	19	-5	254	1	48
16-	45.3786-	115.1069-	2-	12-	0-	L16681	-5	9	5	10	-20	16	35	-10	21	-5	-5	2486	2	48
16-	45.3108-	115.1164-	2-	12-	0-	L16682	-5	9	-5	37	-20	-15	19	-10	-15	5	-5	316	3	89
16-	45.3119-	115.1192-	2-	12-	0-	L16683	-5	9	-5	-10	-20	-15	12	-10	22	8	-5	1021	3	60
16-	45.3478-	115.1522-	2-	12-	0-	L16684	-5	9	-5	14	-20	-15	21	-10	-15	-5	-5	650	3	49
16-	45.3492-	115.1553-	2-	12-	0-	L16685	-5	-5	-5	23	-20	-15	-5	-10	-15	6	-5	313	1	29
16-	45.4442-	115.2083-	2-	12-	0-	L16686	-5	-5	-5	19	-20	35	7	-10	30	-5	-5	1064	1	41
16-	45.4419-	115.2097-	2-	12-	0-	L16687	-5	-5	-5	10	-20	29	6	-10	17	6	-5	1523	1	40
16-	45.0706-	115.3889-	2-	12-	0-	L16688	-5	7	-5	-10	-20	-15	23	-10	20	55	-5	446	3	37
16-	45.0714-	115.3886-	2-	12-	0-	L16689	-5	7	-5	20	-20	-15	16	-10	-15	50	-5	268	3	40
16-	45.0692-	115.3636-	2-	12-	0-	L16690	-5	-5	-5	15	-20	-15	14	-10	16	27	-5	270	3	47
16-	45.0697-	115.3642-	2-	12-	0-	L16691	-5	7	-5	12	-20	-15	24	-10	-15	49	-5	272	3	47

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LAGL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-45.1608-115.6586-2-11-	0-L16641	85990	-0.11	721	20340	133	-161	-1.6	-12	3.0	5	0.9	15750	5.6	12210	73	0.3
16-45.2375-115.7325-2-12-	0-L16642	85000	-0.07	948	19520	278	-131	3.7	-8	-1.4	7	1.4	14340	9.9	17440	138	0.3
16-45.0094-115.7611-2-12-	0-L16643	97300	-0.06	709	23810	536	-147	3.5	14	2.5	21	1.5	13630	12.3	18230	252	1.1
16-45.0181-115.7675-2-12-	0-L16644	90750	-0.07	667	18060	183	-174	4.5	-7	3.5	9	1.4	19970	6.2	18380	85	0.5
16-45.0136-115.7722-2-12-	0-L16645	82270	-0.07	1018	20100	248	-132	2.8	16	-1.1	8	1.3	9413	7.5	20080	124	0.5
16-45.0169-115.7719-2-12-	0-L16646	86140	-0.08	909	19310	99	-142	4.3	20	2.5	3	1.3	17240	5.2	20940	52	0.2
16-45.1606-115.2481-2-12-	0-L16647	60000	-0.08	824	13320	85	-96	13.9	51	3.4	5	1.5	35410	8.5	18960	42	0.3
16-45.1611-115.2492-2-12-	0-L16648	56280	-0.09	894	10050	92	-113	13.1	56	4.5	7	1.6	36410	9.8	17280	42	0.4
16-45.1603-115.2269-2-11-	0-L16649	77800	-0.12	569	12860	111	-132	14.5	53	4.2	9	2.0	39880	7.1	14570	60	0.5
16-45.1608-115.2219-2-12-	0-L16650	55150	-0.08	445	8108	90	-95	11.3	45	3.3	6	1.4	31140	8.9	14740	38	0.4
16-45.1650-115.2114-2-12-	0-L16651	72490	-0.09	1007	8817	73	181	10.2	49	4.5	6	1.4	32910	7.9	27670	37	0.4
16-45.1672-115.2119-2-12-	0-L16652	68380	-0.10	660	25480	159	429	18.8	48	4.1	9	3.0	59470	16.8	18040	78	0.5
16-45.1697-115.2017-2-12-	0-L16653	63050	-0.11	454	37610	142	415	23.5	84	3.5	7	2.3	70910	17.7	15000	60	0.5
16-45.1783-115.1600-2-12-	0-L16654	61830	-0.11	611	43460	238	403	20.4	48	-2.2	11	3.9	85190	30.7	10690	104	0.7
16-45.1733-115.1533-2-12-	0-L16655	64400	-0.11	589	48760	112	1044	27.7	28	-2.3	7	2.9	87480	8.9	17350	57	0.4
16-45.1757-115.1458-2-15-	0-L16656	55560	-0.12	-204	44280	147	892	34.0	18	-2.5	8	4.0	110200	18.6	10530	56	0.5
16-45.1914-115.0911-2-12-	0-L16657	58640	-0.12	-204	45700	89	849	42.4	39	4.5	6	2.5	116500	8.9	-4825	40	0.3
16-45.1957-115.0797-2-12-	0-L16658	69590	-0.11	393	37920	94	696	32.7	34	-2.1	7	2.3	77520	9.2	14280	40	0.3
16-45.1954-115.0775-2-12-	0-L16659	78330	-0.08	763	22540	133	268	8.3	38	3.7	6	1.5	32090	17.8	23210	71	0.4
16-45.1953-115.0311-2-12-	0-L16660	73530	-0.10	734	15430	516	238	6.7	39	4.4	12	2.0	29590	139.0	23040	272	1.5
16-45.1950-115.0300-2-12-	0-L16661	79730	-0.09	631	15090	189	-108	4.8	37	4.6	8	1.2	18940	35.2	24070	96	0.7
16-45.2000-115.0344-2-12-	0-L16662	67900	-0.09	686	12750	106	-131	5.6	31	4.9	5	1.2	22460	13.2	25240	54	0.3
16-45.0192-115.4783-2-12-	0-L16663	83760	-0.06	838	16380	94	-139	3.9	26	3.4	7	1.0	14270	7.3	19740	49	0.4
16-45.0092-115.3719-2-12-	0-L16664	63880	-0.10	641	22010	127	258	5.9	39	7.9	8	1.8	27840	13.6	21560	77	0.5
16-45.1069-115.4100-2-12-	0-L16665	78570	1.44	728	9939	137	-111	8.5	51	9.4	8	1.7	30670	12.6	27470	77	0.5
16-45.1147-115.3497-2-12-	0-L16666	60580	-0.14	1258	24070	60	254	-2.0	-16	7.1	6	2.7	18410	-1.6	11980	90	0.4
16-45.3808-115.1508-2-12-	0-L16667	81030	-0.10	938	41430	167	-135	14.5	30	2.6	7	2.1	48840	58.4	16890	80	0.6
16-45.3794-115.1464-2-12-	0-L16668	77540	-0.10	645	20780	201	-158	8.4	35	4.6	9	1.8	33270	41.6	19250	107	1.0
16-45.3711-115.1253-2-12-	0-L16669	78010	-0.13	936	35740	172	-142	12.1	53	3.3	10	1.9	50890	56.5	21100	67	0.9
16-45.3725-115.1258-2-12-	0-L16670	75090	-0.10	756	24300	190	-123	11.6	56	3.4	7	1.6	34200	36.6	20180	94	0.7
16-45.3831-115.0917-2-12-	0-L16671	75320	-0.11	791	43500	226	175	18.3	126	3.3	9	2.5	61120	70.1	14360	107	0.9
16-45.3597-115.0514-2-15-	0-L16672	74300	-0.08	481	21450	145	-137	6.9	18	3.9	6	1.1	30190	14.8	15860	78	0.5
16-45.3589-115.0539-2-12-	0-L16673	80670	-0.10	759	21020	205	-128	8.8	34	4.8	8	0.6	31780	29.6	22060	111	0.8
16-45.3097-115.1175-2-11-	0-L16674	34100	-0.13	521	30880	167	526	-2.0	51	-2.1	3	1.9	13840	4.1	7203	205	1.0
16-45.3103-115.1172-2-12-	0-L16675	83450	-0.08	650	22280	183	-143	7.8	21	4.6	6	1.2	28330	24.3	19400	93	0.4
16-45.2047-115.0439-2-11-	0-L16676	74010	-0.08	709	15490	130	-132	7.6	51	7.4	5	1.3	26740	13.1	27000	57	0.3
16-45.2131-115.0608-2-12-	0-L16677	75350	-0.10	794	12940	143	-141	5.0	-11	4.4	7	1.1	22630	20.7	26320	81	0.5
16-45.2192-115.0686-2-12-	0-L16678	75330	-0.11	594	16900	223	-142	7.1	30	4.6	8	1.8	29360	55.1	17720	128	0.9
16-45.2186-115.0694-2-12-	0-L16679	82510	-0.07	820	15650	117	280	8.1	31	4.5	5	1.3	28940	21.7	25760	61	0.3
16-45.1575-115.0194-2-15-	0-L16680	65930	-0.10	615	18390	113	174	15.1	37	7.2	6	1.8	43750	9.7	17970	44	0.4
16-45.3786-115.1069-2-12-	0-L16681	74300	-0.11	859	32660	257	-125	12.2	35	4.9	11	2.7	44100	91.7	22360	120	1.0
16-45.3108-115.1164-2-12-	0-L16682	84010	-0.08	-134	22140	126	170	7.1	27	3.9	6	1.4	26150	11.4	15180	75	0.6
16-45.3119-115.1192-2-12-	0-L16683	79350	-0.09	583	21230	209	-153	7.7	33	3.3	8	1.6	31440	46.1	19570	116	0.9
16-45.3478-115.1522-2-12-	0-L16684	84220	-0.10	630	19730	163	-133	6.7	22	5.3	7	1.2	25160	29.1	19640	84	0.9
16-45.3492-115.1553-2-12-	0-L16685	52350	-0.07	1622	11730	84	231	10.1	25	3.3	8	2.0	28220	10.5	22440	36	0.5
16-45.4442-115.2083-2-12-	0-L16686	76250	-0.10	642	40770	120	-135	20.4	152	-2.0	6	2.0	53000	37.7	11200	58	0.5
16-45.4419-115.2097-2-12-	0-L16687	73120	-0.11	641	38390	130	-144	18.9	216	3.7	7	0.0	50670	65.4	9181	58	0.7
16-45.0706-115.3889-2-12-	0-L16688	70490	-0.08	652	5820	154	-98	5.8	34	6.8	7	1.7	21170	16.6	27570	79	0.4
16-45.0714-115.3886-2-12-	0-L16689	79530	-0.06	1018	8128	126	-103	5.3	34	4.8	5	1.5	19240	10.0	25750	63	0.2
16-45.0692-115.3636-2-12-	0-L16690	73540	-0.07	827	8809	110	-107	3.9	16	5.3	9	1.7	16720	7.6	29710	87	0.4
16-45.0697-115.3642-2-12-	0-L16691	75590	-0.06	818	7257	102	-117	5.8	40	3.9	5	1.5	21230	9.3	27780	56	0.3

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.1608-	115.6586-	2-	11-	0-	L16641	-2918	700	24430	-43	-3	4.9	9.1	827	-2	-1	17.9	1942	28	-2.0	98	1.866
16-	45.2375-	115.7325-	2-	12-	0-	L16642	-2289	442	31230	-29	-2	3.8	18.2	767	-1	-1	32.9	1791	23	4.4	61	0.217
16-	45.0094-	115.7611-	2-	12-	0-	L16643	-2394	492	40040	86	-2	2.7	32.3	-266	-2	2	88.1	1577	19	13.9	65	0.127
16-	45.0181-	115.7675-	2-	12-	0-	L16644	-2741	902	33990	92	-2	4.0	14.0	533	3	1	28.4	1524	21	6.0	79	0.209
16-	45.0186-	115.7722-	2-	12-	0-	L16645	-2372	287	33220	55	-2	2.4	13.2	519	-1		34.5	866	14	5.4	59	0.267
16-	45.0169-	115.7719-	2-	12-	0-	L16646	-2439	534	29520	95	-2	4.1	9.6	561	-1	-1	11.2	2423	27	2.3	-147	1.101
16-	45.1606-	115.2481-	2-	12-	0-	L16647	13900	691	15190	102	-2	11.5	7.2	-223	-1	-1	8.9	7891	87	3.9	97	0.435
16-	45.1611-	115.2492-	2-	12-	0-	L16648	12070	679	14610	80	4	12.0	7.9	-260	-1	-1	10.3	7212	88	4.5	133	0.448
16-	45.1603-	115.2269-	2-	11-	0-	L16649	8889	1204	15760	124	-3	12.7	13.4	-416	-2	-1	12.5	6546	104	5.7	228	1.880
16-	45.1608-	115.2219-	2-	12-	0-	L16650	6190	532	18970	-30	-2	10.0	7.1	-235	-1	-1	10.6	7965	80	4.3	67	0.339
16-	45.1650-	115.2114-	2-	12-	0-	L16651	7463	799	12110	106	-2	10.8	6.4	-261	-1	-1	10.9	7026	91	5.5	72	0.329
16-	45.1672-	115.2119-	2-	12-	0-	L16652	13070	1456	22320	99	-3	14.4	15.1	-372	6	-1	12.5	9910	121	4.2	182	1.323
16-	45.1697-	115.2017-	2-	12-	0-	L16653	14360	1267	18710	113	-3	18.6	10.3	-355	5	-1	10.5	15770	197	5.0	54	0.606
16-	45.1783-	115.1600-	2-	12-	0-	L16654	18630	1906	21700	-47	-3	16.5	24.4	-427	7	-1	16.1	18340	182	7.7	225	0.861
16-	45.1783-	115.1533-	2-	12-	0-	L16655	20660	1824	17200	-50	-3	16.9	10.2	-392	3	-1	4.7	16750	232	6.0	150	0.436
16-	45.1767-	115.1458-	2-	15-	0-	L16656	19630	1942	18570	-57	-3	21.3	14.5	-418	5	1	5.5	21510	226	3.4	224	0.364
16-	45.1914-	115.0911-	2-	12-	0-	L16657	20830	1948	13930	-49	-3	24.7	11.5	-403	4	1	3.0	29310	351	4.0	-60	2.043
16-	45.1967-	115.0797-	2-	12-	0-	L16658	17190	1200	17790	-43	-3	20.9	10.7	-319	2	-1	8.0	13620	193	5.0	151	.0.394
16-	45.1964-	115.0775-	2-	12-	0-	L16659	8385	710	26930	110	-2	9.5	8.4	-254	3	-1	21.0	5967	67	4.3	95	0.602
16-	45.1953-	115.0311-	2-	12-	0-	L16660	5644	957	24400	116	-3	11.8	28.4	-315	4	1	91.4	6472	49	14.0	188	0.400
16-	45.1950-	115.0300-	2-	12-	0-	L16661	4276	319	26260	125	-2	8.4	14.2	432	-1		39.8	3087	36	6.5	121	0.823
16-	45.2000-	115.0344-	2-	12-	0-	L16662	6174	814	22740	114	-2	7.3	9.2	-333	-1	-1	23.3	2554	34	4.6	127	0.426
16-	45.0192-	115.4783-	2-	12-	0-	L16663	-2229	513	30540	94	-2	4.5	6.6	-260	-1		12.0	1682	28	4.5	73	2.006
16-	45.0092-	115.3719-	2-	12-	0-	L16664	13970	731	11700	118	-2	8.4	12.9	-296	-2	-1	16.2	3823	40	3.2		0.754
16-	45.1069-	115.4100-	2-	12-	0-	L16665	6679	809	16010	164	32	9.5	12.9	-320	-2	-1	15.7	4037	57	4.0	363	0.961
16-	45.1147-	115.3497-	2-	12-	0-	L16666	-2436	965	6013	-52	-3	5.5	14.3	624	5	-1	4.1	1612	34	3.0	159	19.029
16-	45.3808-	115.1508-	2-	12-	0-	L16667	12960	1244	25270	-40	-3	23.5	11.2	-308	-2	-1	16.6	8908	92	7.6	216	0.511
16-	45.3794-	115.1464-	2-	12-	0-	L16668	5476	994	25030	104	-3	12.2	14.5	-332	4	-1	39.5	4136	47	7.4	147	0.714
16-	45.3711-	115.1253-	2-	12-	0-	L16669	12380	1110	24710	121	-3	22.0	13.7	435	-2	-1	19.0	7258	78	7.9	167	0.535
16-	45.3725-	115.1258-	2-	12-	0-	L16670	9642	840	24280	-37	-3	14.5	14.2	395	3	-1	24.3	5381	59	7.3	126	0.529
16-	45.3831-	115.0917-	2-	12-	0-	L16671	16070	1542	22610	-39	-3	28.0	14.3	-317	-2	-1	28.7	10630	111	8.1	135	0.336
16-	45.3597-	115.0514-	2-	15-	0-	L16672	4114	888	21130	104	-2	9.7	10.7	-301	3	-1	32.1	3199	38	4.7	183	0.857
16-	45.3589-	115.0539-	2-	12-	0-	L16673	5693	748	24390	105	-3	12.1	-0.9	385	-2	-1	38.8	4701	48	7.7	-14	0.905
16-	45.3097-	115.1175-	2-	11-	0-	L16674	-1886	232	8067	-47	-3	3.6	40.5	-295	7	-1	9.8	1611	42	-2.5	186	42.816
16-	45.3103-	115.1172-	2-	12-	0-	L16675	5491	1414	28300	102	-2	10.0	8.1	-331	-1	-1	26.1	3764	38	4.9	107	1.244
16-	45.2047-	115.0439-	2-	11-	0-	L16676	8640	794	21380	154	-2	8.7	8.8	-283	-1	-1	25.5	3594	44	3.5	215	0.463
16-	45.2131-	115.0608-	2-	12-	0-	L16677	-2510	809	24150	106	-3	8.0	9.9	-378	-2	-1	25.1	2670	30	5.4	155	1.716
16-	45.2192-	115.0686-	2-	12-	0-	L16678	6383	1221	22960	80	-3	9.1	14.2	-403	-2	-1	32.4	4385	34	9.4	-61	1.067
16-	45.2186-	115.0694-	2-	12-	0-	L16679	5214	917	26060	109	-2	8.8	6.6	-277	-1	-1	20.3	3923	42	5.7	164	0.605
16-	45.1575-	115.0194-	2-	15-	0-	L16680	11220	1427	14220	102	-3	15.9	10.8	-361	-1	1	7.7	5523	97	3.8	101	0.596
16-	45.3786-	115.1069-	2-	12-	0-	L16681	10380	993	24580	84	-3	20.8	19.6	696	-2	-1	26.6	6098	65	11.3	375	0.487
16-	45.3108-	115.1164-	2-	12-	0-	L16682	5434	449	20620	98	-2	9.1	11.6	-224	-2	-1	18.8	3579	52	4.3	198	4.625
16-	45.3119-	115.1192-	2-	12-	0-	L16683	6722	998	27270	115	-2	12.0	13.5	-321	3	-1	44.4	3859	55	7.7	-67	0.686
16-	45.3478-	115.1522-	2-	12-	0-	L16684	4651	549	26710	-38	-2	9.5	9.0	-316	4	-1	31.7	3537	43	6.2	148	0.871
16-	45.3492-	115.1553-	2-	12-	0-	L16685	22820	945	9185	83	-2	7.6	7.1	-285	-1	-1	9.5	4430	45	4.4	-35	0.276
16-	45.4442-	115.2083-	2-	12-	0-	L16686	19450	1470	21520	-40	-3	21.8	9.8	-320	-1	-1	13.9	11750	125	4.6	200	0.473
16-	45.4419-	115.2097-	2-	12-	0-	L16687	17970	1224	20130	-47	-3	23.4	10.6	-333	2	-1	20.0	8983	107	5.9		0.536
16-	45.0706-	115.3889-	2-	12-	0-	L16688	3755	455	17130	129	3	6.5	12.9	-245	-1	-1	21.6	2102	32	4.2	-90	0.338
16-	45.0714-	115.3886-	2-	12-	0-	L16689	3394	454	23480	101	4	5.8	9.7	440	-1	-1	15.4	3176	41	3.9	-118	0.629
16-	45.0592-	115.3636-	2-	12-	0-	L16690	-1816	490	17960	113	-2	6.5	13.4	-226	3	-1	16.2	2098	23	5.2	91	0.850
16-	45.0697-	115.3642-	2-	12-	0-	L16691	4290	397	21970	134	5	6.2	9.2	-220	-1	-1	12.7	3213	36	3.0	130	0.779

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																									U CONCENTRATION
							TIME SAMPLED																								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU,μR/H)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.0814-	115.3383-	2-	12-		0-L16692-	07/19/79-	17-	26-	15.2-	0-	-	7.1-	34-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	13.93
16-	45.0817-	115.3361-	2-	12-		0-L16693-	07/19/79-	17-	26-	13.9-	0-	-	6.3-	17-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	14.99
16-	45.0781-	115.3489-	2-	15-		0-L16694-	07/19/79-	17-	28-	-0-	-		-	-		-2-	7-	4-	7-	-1-	-2-	1-	4-	5-	1-	-1-	-1-	-	-	-	-	11.94
16-	45.1006-	115.3228-	2-	12-		0-L16695-	07/19/79-	18-	28-	10.3-	0-	-	7.0-	105-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	4.23
16-	45.1183-	115.3278-	2-	12-		0-L16696-	07/19/79-	19-	25-	11.7-	0-	-	7.2-	41-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	9.93
16-	45.1178-	115.3281-	2-	12-		0-L16697-	07/19/79-	19-	25-	12.5-	0-	-	7.3-	51-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	5-	2-	1-	-1-	-	-	-	-	15.16
16-	45.1133-	115.3228-	2-	12-		0-L16698-	07/19/79-	19-	24-	15.1-	0-	-	7.1-	46-		-2-	7-	4-	7-	3-	3-	1-	1-	3-	3-	1-	-1-	-	-	-	-	-	13.04
16-	45.1378-	115.3178-	2-	15-		0-L16699-	07/19/79-	9-	20-	-0-	-		-	-		-2-	7-	4-	7-	-1-	-2-	1-	3-	4-	3-	-1-	-1-	-	-	-	-	3.04
16-	45.1400-	115.3122-	2-	12-		0-L16700-	07/19/79-	10-	20-	6.0-	0-	-	7.5-	95-		-2-	7-	5-	8-	3-	3-	1-	2-	2-	4-	3-	3-	-1-	-	-	-	-	3.68
16-	45.1397-	115.3114-	2-	12-		0-L16701-	07/19/79-	10-	22-	9.8-	0-	-	7.9-	63-		-2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	7.30
16-	45.1528-	115.2969-	2-	12-		0-L16702-	07/19/79-	10-	24-	8.9-	0-	-	7.9-	59-		-2-	7-	4-	6-	3-	3-	1-	2-	2-	3-	3-	2-	-1-	-	-	-	-	12.24
16-	45.1519-	115.2972-	2-	12-		0-L16703-	07/19/79-	10-	24-	9.0-	0-	-	8.0-	55-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	6.12
16-	45.1681-	115.3147-	2-	12-		0-L16704-	07/19/79-	11-	24-	7.3-	0-	-	8.0-	60-		-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	4.75
16-	45.1903-	115.3447-	2-	12-		0-L16705-	07/19/79-	12-	26-	10.8-	0-	-	8.1-	16-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	24.95
16-	45.1883-	115.3461-	2-	12-		0-L16706-	07/19/79-	12-	27-	9.5-	-	-	7.8-	76-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	11.83
16-	45.1978-	115.3511-	2-	12-		0-L16707-	07/19/79-	12-	26-	9.5-	0-	-	8.0-	23-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	14.97
16-	45.1978-	115.3522-	2-	12-		0-L16708-	07/19/79-	12-	24-	10.5-	0-	-	7.8-	20-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	14.88
16-	45.1147-	115.3789-	2-	12-		0-L16709-	07/19/79-	14-	25-	9.0-	0-	-	7.0-	58-		-2-	7-	5-	8-	2-	3-	1-	2-	1-	4-	3-	2-	-1-	-	-	-	-	16.31
16-	45.1158-	115.3909-	2-	12-		0-L16710-	07/19/79-	14-	26-	10.3-	0-	-	7.4-	34-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	2-	-1-	-	-	-	-	11.13
16-	45.1050-	115.4147-	2-	12-		0-L16711-	07/19/79-	14-	27-	11.6-	0-	-	7.4-	25-		-2-	7-	4-	6-	3-	3-	1-	2-	1-	5-	4-	1-	-1-	-	-	-	-	43.02
16-	45.0989-	115.4075-	2-	12-		0-L16712-	07/19/79-	15-	26-	10.5-	0-	-	7.5-	25-		-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	22.56
16-	45.3328-	115.9436-	2-	12-		0-L16713-	07/20/79-	19-	27-	16.6-	-	-	7.7-	32-		15-	4-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	6.34
16-	45.3217-	115.9392-	2-	11-		0-L16714-	07/20/79-	20-	27-	5.4-	-	-	8.0-	13-		10-	1-	1-	5-	6-	2-	-1-	-1-	3-	3-	2-	-1-	-	-	-	-	-	8.90
16-	45.3083-	115.9242-	2-	12-		0-L16715-	07/20/79-	20-	26-	10.5-	-	-	7.7-	25-		2-	1-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	13.33
16-	45.3094-	115.9272-	2-	12-		0-L16716-	07/20/79-	20-	26-	10.8-	-	-	7.8-	13-		1-	1-	1-	4-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	15.51
16-	45.3008-	115.9322-	2-	12-		0-L16717-	07/20/79-	21-	26-	16.9-	-	-	7.5-	23-		17-	1-	7-	4-	8-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	16.20
16-	45.2991-	115.9264-	2-	12-		0-L16718-	07/20/79-	21-	25-	11.8-	-	-	7.7-	19-		20-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	11.94
16-	45.2806-	115.9100-	2-	12-		0-L16719-	07/20/79-	21-	25-	11.3-	-	-	7.7-	18-		10-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	6.41
16-	45.2767-	115.9125-	2-	11-		0-L16720-	07/20/79-	21-	26-	42.3-	-	-	9.4-	336-		11-	4-	1-	5-	8-	3-	3-	1-	-1-	3-	3-	2-	-1-	-	-	-	-	4.26
16-	45.2675-	115.9144-	2-	12-		0-L16721-	07/20/79-	22-	24-	10.9-	-	-	8.6-	17-		17-	4-	1-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	8.59
16-	45.2644-	115.9069-	2-	12-		0-L16722-	07/20/79-	22-	25-	12.1-	-	-	8.3-	20-		10-	4-	1-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	15.34
16-	45.1328-	115.0000-	2-	12-		0-L16723-	07/22/79-	11-	26-	10.2-	-	-	5.4-	49-		2-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	8.33
16-	45.1336-	114.9956-	2-	15-		0-L16724-	07/22/79-	12-	27-	-	-	-	-	-		4-	1-	7-	4-	6-	-1-	-2-	1-	3-	5-	3-	-1-	-1-	-	-	-	-	3.55
16-	45.1306-	114.9789-	2-	12-		0-L16725-	07/22/79-	12-	26-	11.1-	-	-	6.6-	93-		1-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	7.41
16-	45.1317-	114.9781-	2-	15-		0-L16726-	07/22/79-	12-	27-	-	-	-	-	-		5-	1-	7-	4-	8-	-1-	-2-	1-	3-	5-	3-	-1-	-1-	-	-	-	-	7.84
16-	45.1297-	114.9592-	2-	12-		0-L16727-	07/22/79-	13-	26-	9.9-	-	-	6.1-	212-		1-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	7.04
16-	45.1725-	114.9650-	2-	12-		0-L16728-	07/22/79-	15-	27-	9.9-	-	-	7.2-	90-		3-	1-	6-	4-	7-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	15.81
16-	45.1722-	114.9639-	2-	12-		0-L16729-	07/22/79-	15-	26-	13.1-	-	-	7.3-	24-		1-	1-	6-	4-	7-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	26.46
16-	45.1328-	114.9553-	2-	12-		0-L16730-	07/22/79-	16-	27-	16.1-	-	-	7.0-	51-		0-	1-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	14.89
16-	45.1767-	114.9222-	2-	12-		0-L16731-	07/22/79-	19-	26-	12.3-	-	-	6.9-	27-		21-	1-	6-	4-	6-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	14.06
16-	45.1769-	114.9228-	2-	12-		0-L16732-	07/22/79-	19-	26-	12.9-	-	-	7.0-	81-		3-	1-	6-	4-	6-	2-	2-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	60.57
16-	45.1456-	114.9292-	2-	12-		0-L16733-	07/22/79-	20-	24-	13.5-	-	-	7.0-	34-		1-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	13.09
16-	45.1450-	114.9278-	2-	12-		0-L16734-	07/22/79-	21-	25-	9.2-	-	-	7.6-	73-		0-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	25.71
16-	45.1342-	114.9319-	2-	15-		0-L16735-	07/23/79-	8-	26-	-	-	-	-	-		2-	1-	6-	4-	8-	-1-	-2-	4-	3-	5-	1-	-1-	-1-	-	-	-	-	21.63
16-	45.1228-	114.9325-	2-	12-		0-L16736-	07/23/79-	9-	26-	12.9-	-	-	7.1-	63-		2-	1-	6-	4-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	5.53
16-	45.1203-	114.9153-	2-	15-		0-L16737-	07/23/79-	10-	27-	-	-	-	-	-		15-	1-	6-	4-	8-	-1-	-2-	1-	3-	5-	1-	-1-	-1-	-	-	-	-	1.66
16-	45.1044-	114.8606-	2-	12-		0-L16738-	07/23/79-	12-	28-	13.9-	-	-	7.3-	67-		19-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	7.73
16-	45.0789-	114.8503-	2-	12-		0-L16739-	07/23/79-	15-	27-	10.5-	-	-	7.1-	82-		20-	1-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	7.45
16-	45.0794-	114.8511-	2-	12-		0-L16740-	07/23/79-	15-	27-	10.5-	-	-	7.7-	203-		26-	1-	6-	5-	8-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	10.05
16-	45.1014-	114.8500-	2-	12-		0-L16741-	07/23/79-	16-	28-	12.0-	-	-	7.5-	91-		7-	1-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	9.03
16-	45.1056-	114.8486-	2-	12-		0-L16742-	07/23/79-	19-	24-	12.0-	-	-	7.1-	72-		2-	1-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	29.51

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.0814-	115.3383-	2-	12-	0-	L16692	-5	5	-5	19	-20	-15	22	-10	-15	56	-5	207	3	46
16-	45.0317-	115.3361-	2-	12-	0-	L16693	-5	7	-5	23	-20	-15	21	-10	-15	16	-5	252	2	81
16-	45.0781-	115.3489-	2-	15-	0-	L16694	-5	-5	-5	35	-20	-15	14	-10	-15	21	-5	252	2	70
16-	45.1006-	115.3228-	2-	12-	0-	L16695	-5	5	-5	20	-20	25	9	-10	-15	19	-5	237	2	43
16-	45.1183-	115.3273-	2-	12-	0-	L16696	-5	7	-5	13	-20	17	30	-10	-15	72	-5	201	2	48
16-	45.1179-	115.3281-	2-	12-	0-	L16697	-5	-5	-5	13	-20	-15	20	-10	18	87	-5	346	3	62
16-	45.1133-	115.3228-	2-	12-	0-	L16698	-5	5	-5	19	-20	-15	15	-10	-15	27	-5	221	2	48
16-	45.1379-	115.3178-	2-	15-	0-	L16699	-5	-5	-5	54	-20	29	12	-10	-15	22	-5	241	2	41
16-	45.1400-	115.3122-	2-	12-	0-	L16700	-5	-5	-5	39	-20	31	12	-10	-15	31	-5	198	2	84
16-	45.1397-	115.3114-	2-	12-	0-	L16701	-5	-5	-5	13	-20	-15	15	-10	17	25	-5	342	2	36
16-	45.1529-	115.2969-	2-	12-	0-	L16702	-5	5	-5	31	-20	24	13	-10	56	40	-5	312	3	29
16-	45.1519-	115.2972-	2-	12-	0-	L16703	-5	-5	-5	17	-20	16	14	-10	20	32	-5	343	3	39
16-	45.1681-	115.3147-	2-	12-	0-	L16704	-5	-5	-5	36	-20	28	-5	-10	15	54	-5	238	1	25
16-	45.1903-	115.3447-	2-	12-	0-	L16705	-5	5	-5	31	-20	16	23	-10	22	13	-5	192	3	70
16-	45.1983-	115.3461-	2-	12-	0-	L16706	-5	-5	-5	37	-20	30	23	-10	94	65	-5	284	6	68
16-	45.1978-	115.3511-	2-	12-	0-	L16707	-5	-5	-5	30	-20	-15	24	10	26	-5	-5	238	4	47
16-	45.1979-	115.3522-	2-	12-	0-	L16708	-5	5	-5	18	-20	23	19	-10	-15	-5	-5	253	4	50
16-	45.1147-	115.3789-	2-	12-	0-	L16709	-5	-5	-5	21	-20	28	13	-10	18	128	-5	196	3	83
16-	45.1158-	115.3908-	2-	12-	0-	L16710	-5	-5	-5	28	-20	28	55	-10	22	546	-5	309	4	95
16-	45.1050-	115.4147-	2-	12-	0-	L16711	-5	-5	-5	23	-20	-15	30	-10	-15	52	-5	230	2	41
16-	45.0989-	115.4075-	2-	12-	0-	L16712	-5	-5	-5	28	-20	25	34	-10	-15	53	-5	361	4	81
16-	45.3328-	115.9436-	2-	12-	0-	L16713	-5	18	-5	16	-20	16	11	-10	22	7	-5	417	2	21
16-	45.3217-	115.9392-	2-	11-	0-	L16714	-5	14	-5	12	-20	-15	14	-10	18	15	-5	1254	2	29
16-	45.3083-	115.9242-	2-	12-	0-	L16715	-5	14	-5	16	-20	-15	11	-10	-15	9	-5	551	3	37
16-	45.3094-	115.9272-	2-	12-	0-	L16716	-5	14	-5	14	-20	-15	9	-10	-15	12	-5	651	3	29
16-	45.3008-	115.9322-	2-	12-	0-	L16717	-5	21	-5	-10	-20	15	-5	-10	27	16	-5	2028	2	9
16-	45.2981-	115.9264-	2-	12-	0-	L16718	-5	16	-5	10	-20	17	7	-10	29	12	-5	1909		
16-	45.2806-	115.9100-	2-	12-	0-	L16719	-5	7	-5	22	-20	-15	13	-10	-15	6	-5	212	3	41
16-	45.2767-	115.9125-	2-	11-	0-	L16720	-5	5	-5	77	-20	-15	211	-10	-15	-5	-5	314	2	29
16-	45.2675-	115.9144-	2-	12-	0-	L16721	-5	7	-5	28	-20	-15	8	-10	-15	-5	-5	1146	2	31
16-	45.2644-	115.9069-	2-	12-	0-	L16722	-5	13	-5	15	-20	-15	5	-10	-15	16	-5	1143	1	22
16-	45.1328-	115.0000-	2-	12-	0-	L16723	-5	-5	-5	17	-20	-15	12	-10	-15	8	-5	258	3	43
16-	45.1336-	114.9956-	2-	15-	0-	L16724	-5	-5	-5	26	40	-15	-5	-10	-15	52	-5	580	2	42
16-	45.1306-	114.9789-	2-	12-	0-	L16725	-5	8	-5	15	33	-15	7	-10	-15	13	-5	632	3	38
16-	45.1317-	114.9781-	2-	15-	0-	L16726	-5	-5	-5	22	-20	-15	23	-10	-15	10	-5	196	3	45
16-	45.1297-	114.9592-	2-	12-	0-	L16727	5	9	-5	16	27	-15	-5	-10	-15	22	-5	1125	2	40
16-	45.1725-	114.9650-	2-	12-	0-	L16728	-5	9	-5	23	-20	15	12	-10	-15	6	-5	676	3	79
16-	45.1722-	114.9639-	2-	12-	0-	L16729	-5	6	-5	10	-20	-15	8	-10	-15	8	-5	979	4	97
16-	45.1328-	114.9553-	2-	12-	0-	L16730	-5	7	-5	18	-20	-15	10	-10	-15	8	-5	824	3	47
16-	45.1767-	114.9222-	2-	12-	0-	L16731														
16-	45.1769-	114.9228-	2-	12-	0-	L16732	-5	7	-5	14	-20	-15	10	-10	15	8	-5	407	5	77
16-	45.1456-	114.9292-	2-	12-	0-	L16733	-5	9	-5	-10	-20	-15	8	-10	-15	9	-5	664	3	43
16-	45.1450-	114.9278-	2-	12-	0-	L16734	-5	7	-5	23	-20	-15	11	-10	16	-5	-5	426	2	87
16-	45.1342-	114.9319-	2-	15-	0-	L16735	-5	-5	-5	36	-20	-15	5	-10	-15	11	-5	238	-1	50
16-	45.1228-	114.9325-	2-	12-	0-	L16736	-5	9	-5	20	-20	-15	-5	-10	-15	19	-5	500	2	32
16-	45.1203-	114.9153-	2-	15-	0-	L16737	-5	5	-5	55	-20	-15	5	-10	-15	6	-5	209	-1	19
16-	45.1044-	114.8606-	2-	12-	0-	L16738	-5	9	-5	20	-20	16	-5	-10	-15	12	-5	1032	1	32
16-	45.0789-	114.8503-	2-	12-	0-	L16739	-5	-5	-5	27	-20	35	-5	-10	-15	9	-5	316	3	30
16-	45.0794-	114.8511-	2-	12-	0-	L16740	-5	9	-5	20	-20	-15	-5	-10	-15	7	-5	822	-1	125
16-	45.1014-	114.8500-	2-	12-	0-	L16741	-5	9	-5	25	-20	24	9	-10	-15	-5	-5	492	-1	40
16-	45.1056-	114.8486-	2-	12-	0-	L16742	-5	5	-5	20	-20	17	13	-10	-15	-5	-5	358	3	50

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.0814-	115.3383-	2-	12-	0-	L16692	77070	-0.08	849	7557	110	-112	5.9	29	5.2	5	1.2	20690	6.8	25540	57	0.3
16-	45.0817-	115.3361-	2-	12-	0-	L16693	73210	-0.09	957	8386	165	-100	6.3	32	9.0	9	2.3	25310	9.9	22710	96	0.5
16-	45.0781-	115.3489-	2-	15-	0-	L16694	85980	-0.08	1054	15160	127	-116	11.5	67	10.2	6	2.3	33000	8.8	18420	66	0.4
16-	45.1006-	115.3228-	2-	12-	0-	L16695	59010	-0.08	699	14940	84	-106	8.6	59	9.0	6	1.6	30030	7.4	15400	40	0.3
16-	45.1183-	115.3278-	2-	12-	0-	L16696	80480	-0.07	771	11870	130	-110	6.4	30	3.3	5	1.4	19890	6.3	24570	65	0.3
16-	45.1178-	115.3281-	2-	12-	0-	L16697	74590	0.23	843	14600	146	-114	4.3	48	6.3	7	1.7	22020	11.8	24710	79	0.4
16-	45.1133-	115.3228-	2-	12-	0-	L16698	73930	-0.07	946	10250	103	-109	5.5	38	5.9	6	1.6	19790	7.1	25740	69	0.3
16-	45.1378-	115.3178-	2-	15-	0-	L16699	73980	-0.09	-167	26130	90	305	23.8	75	6.3	5	1.8	58980	8.4	13190	34	0.2
16-	45.1400-	115.3122-	2-	12-	0-	L16700	68650	-0.12	529	23710	94	246	19.1	92	4.8	6	1.8	46150	6.4	12910	42	0.4
16-	45.1397-	115.3114-	2-	12-	0-	L16701	63470	-0.07	792	10930	135	-97	6.3	40	4.4	7	1.6	21690	12.8	24340	68	0.4
16-	45.1529-	115.2969-	2-	12-	0-	L16702	61750	-0.07	565	22290	130	200	12.8	72	6.5	7	1.8	36420	11.9	26110	59	0.4
16-	45.1519-	115.2972-	2-	12-	0-	L16703	65340	-0.07	832	11850	132	-108	9.3	54	4.4	6	1.7	27730	12.4	20900	73	0.4
16-	45.1681-	115.3147-	2-	12-	0-	L16704	45000	-0.10	513	39060	107	254	16.5	58	10.1	6	1.8	46910	7.3	10460	41	0.3
16-	45.1903-	115.3447-	2-	12-	0-	L16705	62070	0.23	680	15870	99	213	9.6	38	5.9	7	1.7	27790	6.7	19390	50	0.5
16-	45.1383-	115.3461-	2-	12-	0-	L16706	70610	-0.08	733	20580	100	-97	12.7	81	6.0	7	1.6	35200	9.2	15310	60	0.5
16-	45.1978-	115.3511-	2-	12-	0-	L16707	62920	0.60	792	13640	92	-124	6.3	37	4.7	8	1.8	25020	10.9	20900	46	0.4
16-	45.1978-	115.3522-	2-	12-	0-	L16708	63510	-0.09	691	16580	109	-113	8.4	41	5.3	6	1.4	25850	9.9	19000	53	0.5
16-	45.1147-	115.3789-	2-	12-	0-	L16709	75070	-0.11	748	24770	121	-118	10.7	58	9.5	7	2.3	28710	7.0	23070	75	0.4
16-	45.1158-	115.3908-	2-	12-	0-	L16710	83890	0.27	1053	8431	113	-106	7.0	47	11.0	4	1.4	23730	11.4	34900	61	0.3
16-	45.1050-	115.4147-	2-	12-	0-	L16711	62350	-0.10	640	14230	77	307	7.2	60	2.3	9	1.6	21690	8.9	16010	69	0.5
16-	45.0989-	115.4075-	2-	12-	0-	L16712	74960	-0.11	679	10930	108	-124	7.5	53	4.8	8	1.8	28000	13.9	24200	68	0.5
16-	45.3328-	115.9436-	2-	12-	0-	L16713	78300	-0.07	1222	21140	360	-126	5.7	33	-1.3	8	2.0	22610	18.1	24060	175	0.4
16-	45.3217-	115.9392-	2-	11-	0-	L16714	93390	-0.10	2039	5430	291	160	7.6	26	-2.0	7	2.2	25030	49.6	40310	141	0.5
16-	45.3083-	115.9242-	2-	12-	0-	L16715	84580	-0.10	1011	21370	715	191	9.4	48	-2.0	17	2.6	24510	24.4	21090	354	0.8
16-	45.3094-	115.9272-	2-	12-	0-	L16716	90230	-0.08	1133	20710	787	-124	6.8	38	3.1	18	2.5	23140	31.9	21530	382	0.8
16-	45.3008-	115.9322-	2-	12-	0-	L16717	69730	-0.08	969	31960	769	-117	5.4	34	-1.5	17	3.7	22260	108.5	15100	371	1.2
16-	45.2981-	115.9264-	2-	12-	0-	L16718	75670	-0.10	719	33120	377	167	6.3	40	-1.9	12	2.1	25930	68.2	15770	180	0.8
16-	45.2306-	115.9100-	2-	12-	0-	L16719	104400	-0.09	691	13490	168	-138	5.9	24	-1.7	6	1.5	26830	8.4	20980	76	0.3
16-	45.2767-	115.9125-	2-	11-	0-	L16720	82820	-0.08	1200	17100	112	-129	5.9	-10	-1.8	-1	1.2	23730	11.1	23600	58	0.3
16-	45.2675-	115.9144-	2-	12-	0-	L16721	83300	-0.09	863	23830	197	-149	5.9	26	-1.8	8	2.1	23590	42.3	16600	100	0.5
16-	45.2644-	115.9069-	2-	12-	0-	L16722	70330	-0.12	866	23710	321	-168	7.5	25	-2.5	10	1.8	24480	51.8	13190	162	0.6
16-	45.1328-	115.0000-	2-	12-	0-	L16723	65710	-0.08	888	20360	127	-116	7.8	37	7.0	5	1.5	23130	11.2	27990	62	0.3
16-	45.1336-	114.9956-	2-	15-	0-	L16724	69270	-0.08	684	27220	196	567	12.6	36	9.3	8	3.8	67180	21.0	16400	90	0.5
16-	45.1306-	114.9789-	2-	12-	0-	L16725	64800	-0.09	568	15530	176	211	12.0	32	5.7	8	1.9	39490	21.2	31450	87	0.4
16-	45.1317-	114.9781-	2-	15-	0-	L16726	62050	-0.10	574	36390	101	200	4.6	30	9.5	6	0.8	22940	8.7	18270	43	0.5
16-	45.1297-	114.9592-	2-	12-	0-	L16727	60810	-0.09	640	18780	336	233	14.5	48	6.1	8	2.3	63350	49.6	23200	158	0.7
16-	45.1725-	114.9650-	2-	12-	0-	L16728	75450	-0.08	860	25720	223	-122	8.2	54	4.5	5	1.3	25230	30.0	20440	119	0.3
16-	45.1722-	114.9639-	2-	12-	0-	L16729	72880	-0.08	645	20830	225	-143	6.2	33	3.5	7	1.7	25010	42.7	20520	111	0.5
16-	45.1328-	114.9553-	2-	12-	0-	L16730	70930	-0.10	777	20240	325	271	9.4	56	4.8	7	1.3	30000	44.8	22790	163	0.6
16-	45.1767-	114.9222-	2-	12-	0-	L16731	79340	-0.09	791	23410	209	-126	9.1	52	4.1	6	1.7	32590	25.7	20080	94	0.4
16-	45.1769-	114.9228-	2-	12-	0-	L16732	80410	-0.08	-149	22210	169	-127	6.9	35	4.2	7	1.3	26980	19.3	19880	99	0.7
16-	45.1456-	114.9292-	2-	12-	0-	L16733	72440	-0.08	651	19970	331	-130	6.2	47	2.9	7	1.4	25150	28.7	20860	176	0.4
16-	45.1450-	114.9278-	2-	12-	0-	L16734	74150	-0.09	726	20440	177	-123	10.0	55	6.0	6	1.6	31400	19.4	26330	90	0.4
16-	45.1342-	114.9319-	2-	15-	0-	L16735	64330	-0.10	582	25340	105	-110	10.9	78	6.4	6	1.5	33340	10.7	18250	53	0.5
16-	45.1228-	114.9325-	2-	12-	0-	L16736	64990	-0.05	750	20680	197	259	12.9	39	5.4	6	2.0	41520	21.2	24780	94	0.4
16-	45.1203-	114.9153-	2-	15-	0-	L16737	37650	-0.10	645	74910	54	296	12.2	23	3.0	-2	1.5	29610	6.8	12870	25	0.3
16-	45.1044-	114.8606-	2-	12-	0-	L16738	65870	-0.08	830	24510	410	234	10.8	28	3.1	7	2.2	44050	46.4	31540	209	0.6
16-	45.0789-	114.8503-	2-	12-	0-	L16739	53490	-0.09	412	13570	109	261	20.5	83	3.3	7	1.8	47300	13.3	17020	52	0.5
16-	45.0794-	114.8511-	2-	12-	0-	L16740	59150	-0.10	931	32720	255	301	11.7	63	3.8	9	1.9	38440	33.1	24730	135	0.7
16-	45.1014-	114.8500-	2-	12-	0-	L16741	53980	-0.09	621	22910	157	364	19.4	75	3.2	9	2.4	54570	19.5	14870	78	0.5
16-	45.1056-	114.8486-	2-	12-	0-	L16742	57090	-0.10	733	17120	154	204	16.3	62	6.7	6	1.8	34900	15.3	23210	82	0.5

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

(4)

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.0814-	115.3383-	2-	12-	0-	L16692	3622	547	19780	109	4	7.0	7.3	-280	-1	-1	11.9	2511	38	3.3	76	1.171
16-	45.0817-	115.3361-	2-	12-	0-	L16693	4521	672	16990	128	-2	9.6	18.4	-270	-2	-1	17.5	3154	38	4.1	178	0.857
16-	45.0761-	115.3489-	2-	15-	0-	L16694	6199	1000	18790	140	-2	12.4	10.3	-273	-2	-1	14.8	3488	72	-1.5	141	0.807
16-	45.1006-	115.3228-	2-	12-	0-	L16695	13920	518	13840	103	-2	8.8	8.0	-238	-1	-1	8.9	5897	63	-1.4	202	0.475
16-	45.1183-	115.3279-	2-	12-	0-	L16696	4924	462	23590	66	5	6.1	8.4	-263	-1	-1	16.1	2955	36	4.3	110	0.617
16-	45.1178-	115.3281-	2-	12-	0-	L16697	6508	655	20250	97	8	6.8	13.1	433	-1	-1	17.8	3211	53	5.9	212	0.852
16-	45.1133-	115.3228-	2-	12-	0-	L16698	5075	504	19230	123	-2	7.2	10.5	-221	-1	-1	12.8	3066	39	3.5	107	1.019
16-	45.1378-	115.3178-	2-	15-	0-	L16699	13150	1420	16120	85	-2	15.4	6.9	-337	4	1	8.0	9345	128	3.6	202	0.380
16-	45.1400-	115.3122-	2-	12-	0-	L16700	17490	1409	12750	-48	-3	13.9	9.3	-446	3	-1	10.3	8292	113	5.1	192	0.357
16-	45.1397-	115.3114-	2-	12-	0-	L16701	6435	418	20450	98	3	7.0	10.0	509	2	-1	17.1	5130	42	3.8	146	0.427
16-	45.1528-	115.2969-	2-	12-	0-	L16702	12780	902	12100	-35	4	10.0	9.4	-249	-1	-1	12.9	7796	79	4.6	129	0.949
16-	45.1519-	115.2972-	2-	12-	0-	L16703	6111	537	18390	99	4	8.3	10.5	-223	3	1	16.6	4862	50	4.5	120	0.369
16-	45.1681-	115.3147-	2-	12-	0-	L16704	26600	1106	9823	-40	7	11.8	8.2	-340	4	-1	6.3	13410	114	4.1	65	0.754
16-	45.1903-	115.3447-	2-	12-	0-	L16705	4818	854	13030	84	-2	8.7	8.5	-330	-2	-1	9.9	4457	54	6.0	131	2.520
16-	45.1883-	115.3461-	2-	12-	0-	L16706	15020	842	12540	84	4	10.2	10.2	-248	3	-1	13.0	5725	73	4.2	216	0.910
16-	45.1978-	115.3511-	2-	12-	0-	L16707	5949	719	15390	84	3	7.6	10.4	-280	-2	-1	12.2	4030	43	4.8	-78	1.227
16-	45.1978-	115.3522-	2-	12-	0-	L16708	4559	795	17310	90	-2	8.5	9.3	-311	-1	-1	11.7	5980	59	5.0	105	1.272
16-	45.1147-	115.3789-	2-	12-	0-	L16709	13740	937	12360	-43	4	9.4	15.1	-366	2	-1	13.6	4309	76	4.5	122	1.199
16-	45.1158-	115.3908-	2-	12-	0-	L16710	4493	623	18910	148	43	6.6	6.2	-225	2	-1	11.8	3211	41	-1.2	207	0.943
16-	45.1050-	115.4147-	2-	12-	0-	L16711	4132	1223	18600	102	-3	7.5	13.8	-422	-2	-1	11.6	2650	38	5.7	-175	3.709
16-	45.0989-	115.4075-	2-	12-	0-	L16712	5819	910	16030	142	-3	9.7	11.3	-373	-1	-1	13.4	4136	56	5.3	250	1.684
16-	45.3328-	115.9436-	2-	12-	0-	L16713	5730	713	21800	65	-2	5.6	19.1	-262	-2	-1	59.5	3419	76	3.1	103	0.107
16-	45.3217-	115.9392-	2-	11-	0-	L16714	3549	394	8165	121	-3	8.5	15.0	346	-2	-1	45.4	3782	51	6.2	73	0.196
16-	45.3083-	115.9242-	2-	12-	0-	L16715	8435	952	20570	-41	-3	7.7	51.4	-361	-2	2	153.7	4930	52	13.0	151	0.087
16-	45.3094-	115.9272-	2-	12-	0-	L16716	5961	638	22980	112	-2	8.0	47.9	631	-2	2	169.4	4722	62	8.1	157	0.092
16-	45.3008-	115.9322-	2-	12-	0-	L16717	8281	680	22830	62	-2	10.6	44.0	425	3	2	128.6	5363	54	9.3	84	0.126
16-	45.2981-	115.9264-	2-	12-	0-	L16718	6315	730	25510	-33	-2	11.9	20.4	-297	3	-1	60.8	4314	60	8.3	112	0.196
16-	45.2806-	115.9100-	2-	12-	0-	L16719	-2420	499	26980	76	-2	5.8	9.7	-313	-2	-1	38.3	2276	29	3.2	-135	0.167
16-	45.2757-	115.9125-	2-	11-	0-	L16720	-2165	779	15640	98	-2	7.0	6.6	-310	-2	-1	19.3	3677	48	4.0	351	0.221
16-	45.2675-	115.9144-	2-	12-	0-	L16721	6132	454	25070	-39	-2	10.0	13.0	-275	-2	-1	38.6	4350	47	5.4	127	0.223
16-	45.2644-	115.9069-	2-	12-	0-	L16722	6184	1499	20290	-49	-3	9.2	19.5	-520	-3	-1	76.5	3391	47	11.8	-51	0.201
16-	45.1328-	115.0000-	2-	12-	0-	L16723	5429	746	15510	105	-2	7.2	8.8	-322	-1	-1	21.9	3510	48	4.2	90	0.380
16-	45.1336-	114.9956-	2-	15-	0-	L16724	9975	1944	19000	102	6	12.9	14.7	-336	4	1	11.4	12570	100	5.2	153	0.311
16-	45.1306-	114.9789-	2-	12-	0-	L16725	7095	681	19210	121	-2	8.7	11.1	-263	3	-1	21.4	8317	75	5.4	96	0.346
16-	45.1317-	114.9781-	2-	15-	0-	L16726	6077	587	8396	189	-3	7.7	6.3	393	-2	-1	25.9	2588	34	5.7	146	0.303
16-	45.1297-	114.9592-	2-	12-	0-	L16727	7150	1077	17740	133	-2	10.6	20.2	-294	5	-1	33.7	16960	126	10.0	96	0.209
16-	45.1725-	114.9650-	2-	12-	0-	L16728	7191	553	24520	88	-2	9.5	11.4	-247	-1	-1	33.5	3798	57	3.2	78	0.472
16-	45.1722-	114.9639-	2-	12-	0-	L16729	7669	616	26750	113	-2	9.0	16.4	531	-2	-1	42.7	3909	47	5.9	155	0.620
16-	45.1328-	114.9553-	2-	12-	0-	L16730	7601	754	23140	131	-2	11.4	14.1	537	3	-1	48.8	4701	60	6.8	-26	0.305
16-	45.1767-	114.9222-	2-	12-	0-	L16731	9823	742	28260	114	-2	11.4	15.6	783	-1	-1	28.3	5702	51	4.4	168	0.497
16-	45.1769-	114.9228-	2-	12-	0-	L16732	7304	550	26790	123	-2	10.1	15.1	-254	3	-1	41.2	3443	41	5.0	111	1.470
16-	45.1456-	114.9292-	2-	12-	0-	L16733	6128	554	28510	101	-2	12.2	17.6	428	2	-1	48.3	3601	35	5.0	168	0.271
16-	45.1450-	114.9279-	2-	12-	0-	L16734	7607	627	23850	112	-3	10.6	10.1	401	-2	-1	27.1	5316	75	6.0	129	0.949
16-	45.1342-	114.9319-	2-	15-	0-	L16735	10160	802	14940	108	-3	12.9	8.9	-313	-2	-1	15.9	4728	67	3.9	198	1.360
16-	45.1228-	114.9325-	2-	12-	0-	L16736	7102	806	20410	108	2	9.2	11.0	-221	4	-1	21.7	9309	84	5.3	80	0.255
16-	45.1203-	114.9153-	2-	15-	0-	L16737	5484	2024	10940	-46	-3	8.1	4.6	-515	-1	-1	5.0	3091	56	-1.9	151	0.332
16-	45.1044-	114.8606-	2-	12-	0-	L16738	6420	860	21410	120	-2	8.5	15.8	-287	3	-1	41.5	10410	95	6.4	84	0.186
16-	45.0789-	114.8503-	2-	12-	0-	L16739	14150	779	15230	-38	-2	13.4	8.9	-276	3	-1	12.9	10470	127	4.8	147	0.578
16-	45.0794-	114.8511-	2-	12-	0-	L16740	10040	656	24870	117	-3	12.9	10.7	-273	-2	-1	31.5	5860	93	6.4	-98	0.319
16-	45.1014-	114.8500-	2-	12-	0-	L16741	15450	927	18040	-42	-2	14.1	12.1	482	4	-1	17.7	10640	138	4.6	104	0.510
16-	45.1056-	114.8486-	2-	12-	0-	L16742	9200	815	16490	127	-3	11.3	11.2	-326	-2	-1	19.4	6387	89	6.1	135	1.521

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						IASL SAMPLE LOCATION NUMBER AND FIELD DATA																									U CONCENTRATION
							TIME SAMPLED																								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	IASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-45.3664-115.1894-2-12-						0-L16743-07/23/79-19-			24-	9.4-	-	-	7.8-	56-	13-2-7-5-8-2-3-1-1-1-4-3-1-													-1-	-	-	-	-	48.88
16-45.8700-115.5586-2-11-						0-L16744-07/28/79-11-			28-	7.5-	-	-	5.6-	12-	19-1-3-4-6-2- -1- -1-3-4-1-													-3-	-	-	-	-	10.05
16-45.8822-115.5397-2-11-						0-L16745-07/28/79-12-			28-	7.7-	-	-	7.3-	7-	11-1-6-5-8-2- -1- -1-4-4-1-													-1-	-	-	-	-	2.60
16-45.9981-115.5228-2-12-						0-L16746-07/28/79-14-			27-15.3-		-	-	6.8-	13-	6-1-7-5-7-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	8.81
16-45.9983-115.5239-2-12-						0-L16747-07/28/79-14-			28-14.4-		-	-	6.2-	11-	6-1-7-4-6-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	7.03
16-45.9592-115.5161-2-12-						0-L16748-07/28/79-16-			26-13.1-		-	-	6.8-	9-	7-1-7-4-8-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	8.40
16-45.8278-115.6044-2-12-						0-L16749-07/29/79-14-			29-15.4-		-	-	7.5-	32-	13-1-7-4-7-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	11.54
16-45.9575-115.5472-2-11-						0-L16750-07/28/79-18-			26- 4.9-		-	-	6.7-	12-	11-1-7-5-6-2-2-1- -1-3-4-2-													-1-	-	-	-	-	2.98
16-45.9753-115.5933-2-11-						0-L16751-07/28/79-19-			25- 5.9-		-	-	6.1-	5-	14-1-7-4-6-2- -1- -1-3-4-2-													-1-	-	-	-	-	6.45
16-45.9717-115.5736-2-12-						0-L16752-07/28/79-20-			25-11.5-		-	-	6.4-	13-	14-2-1-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	13.03
16-45.9714-115.5725-2-12-						0-L16753-07/28/79-20-			26- 7.9-		-	-	6.8-	7-	9-2-1-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	6.90
16-45.9250-115.5958-2-12-						0-L16754-07/29/79-11-			27-10.5-		-	-	6.9-	15-	14-1-1-4-7-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	9.13
16-45.9242-115.5953-2-12-						0-L16755-07/29/79-11-			27-10.4-		-	-	7.1-	17-	14-1-1-4-7-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	16.39
16-45.8908-115.6225-2-12-						0-L16756-07/29/79-12-			28-12.1-		-	-	7.1-	22-	16-1-7-4-6-2-2-1-2-1-3-4-1-													-1-	-	-	-	-	10.00
16-45.8811-115.6158-2-12-						0-L16757-07/29/79-12-			29-14.1-		-	-	7.0-	22-	11-1-7-4-6-2-2-1-2-1-3-4-1-													-1-	-	-	-	-	9.72
16-45.8653-115.6178-2-12-						0-L16758-07/29/79-12-			29-15.9-		-	-	7.2-	11-	20-1-7-4-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	10.24
16-45.8633-115.6139-2-12-						0-L16759-07/29/79-12-			29-13.9-		-	-	7.3-	21-	9-1-7-4-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	10.10
16-45.8489-115.6161-2-12-						0-L16760-07/29/79-13-			29-10.9-		-	-	7.5-	61-	14-1-7-4-6-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	8.48
16-45.7903-115.6072-2-12-						0-L16761-07/29/79-14-			29-17.7-		-	-	7.5-	30-	14-1-7-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	7.63
16-45.8300-115.6136-2-12-						0-L16762-07/29/79-14-			29-21.3-		-	-	7.5-	24-	12-1-7-7-7-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	12.32
16-45.0572-114.7247-2-12-						0-L16743-07/23/79-13-			24-11.6-C-			-	6.8-	99-	-2-6-2-6-2-2-1-3-3-3-4-3-													-1-	-	-	-	-	20.89
16-45.0675-114.7258-2-12-						0-L16744-07/23/79-14-			26-10.2-C-			-	7.2-	55-	-2-6-2-6-3-3-1-2-3-4-4-3-													-1-	-	-	-	-	16.02
16-45.0778-114.7250-2-12-						0-L16745-07/23/79-14-			26-12.5-C-			-	7.2-	87-	-2-6-2-7-4-3-1-2-3-3-4-3-													-1-	-	-	-	-	27.11
16-45.0925-114.7286-2-12-						0-L16746-07/23/79-14-			22-14.1-C-			-	7.3-	73-	-2-6-1-1-5-3-1-2-3-3-5-4-													-1-	-	-	-	-	30.18
16-45.0919-114.7281-2-11-						0-L16747-07/23/79-15-			25-12.2-C-			-	7.3-	26-	-2-6-5-8-2-3-1- -3-3-5-4-													-1-	-	-	-	-	18.89
16-45.1233-114.6792-2-12-						0-L16748-07/23/79-17-			25- 9.4-C-			-	7.6-	27-	-2-6-2-6-3-3-1-2-1-3-5-2-													-1-	-	-	-	-	69.33
16-45.1236-114.6753-2-12-						0-L16749-07/23/79-18-			26- 9.9-C-			-	7.7-	17-	-2-6-2-1-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	95.75
16-45.1161-114.6683-2-12-						0-L16770-07/23/79-18-			26- 9.3-C-			-	7.3-	19-	-2-6-2-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	106.60
16-45.1200-114.6706-2-11-						0-L16771-07/23/79-19-			25-14.6-C-			-	7.3-	47-	-2-6-5-8-2-2-1- -1-4-4-2-													-1-	-	-	-	-	7.27
16-45.0931-114.7583-2-15-						0-L16772-07/24/79- 9-			22-	-C-	-	-	-	-	-2-6-5-6- -1- -2-1-3-5-1-													-1-	-	-	-	-	4.63
16-45.0969-114.7625-2-15-						0-L16773-07/24/79- 9-			22-	-C-	-	-	-	-	-2-6-5-6- -1- -2-3-2-3-1-													-1-	-	-	-	-	7.73
16-45.1014-114.7750-2-12-						0-L16774-07/24/79- 9-			23-12.2-C-			-	6.9-	50-	-2-6-2-1-5-3-1-2-1-3-5-1-													-1-	-	-	-	-	26.09
16-45.1075-114.7833-2-12-						0-L16775-07/24/79-10-			23-12.1-C-			-	7.2-	127-	-2-6-3-1-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	8.59
16-45.1069-114.7917-2-15-						0-L16776-07/24/79-11-			26-	-C-	-	-	-	-	-2-6-1-1- -1- -2-1-3-5-1-													-1-	-	-	-	-	6.61
16-45.1078-114.8061-2-12-						0-L16777-07/24/79-11-			27- 9.9-C-			-	7.5-	130-	-2-6-3-1-3-3-1-2-3-3-4-1-													-1-	-	-	-	-	51.95
16-45.1039-114.8197-2-12-						0-L16778-07/24/79-12-			27-12.9-C-			-	7.6-	83-	-2-6-2-1-3-3-1-2-1-3-3-1-													-1-	-	-	-	-	43.26
16-45.3567-115.0619-2-12-						0-L16779-07/25/79-15-			25-10.1-		-	-	7.5-	93-	12-2-6-3-1-3-3-1-2-1-4-4-1-													-1-	-	-	-	-	17.05
16-45.3558-115.0039-2-12-						0-L16780-07/25/79-15-			27-14.0-		-	-	7.5-	55-	20-2-6-2-1-3-3-1-2-1-3-4-1-													-1-	-	-	-	-	38.41
16-45.3347-115.0222-2-12-						0-L16781-07/25/79-14-			25-11.3-		-	-	7.4-	71-	12-2-6-2-1-3-3-1-2-1-4-4-1-													-1-	-	-	-	-	53.19
16-45.3306-115.0214-2-11-						0-L16782-07/25/79-16-			26-11.6-		-	-	7.5-	129-	15-2-6-5-8-2-2-1- -1-4-4-1-													-1-	-	-	-	-	233.10
16-45.3164-115.0211-2-12-						0-L16783-07/25/79-17-			26-13.6-		-	-	7.5-	55-	16-2-6-3-1-3-3-1-2-1-3-3-1-													-1-	-	-	-	-	50.21
16-45.3206-115.0153-2-12-						0-L16784-07/25/79-17-			26-14.6-		-	-	7.4-	101-	25-2-6-5-8-2-2-1-1-4-4-3-1-													-1-	-	-	-	-	90.99
16-45.3164-115.0253-2-12-						0-L16785-07/25/79-17-			25-12.5-		-	-	7.6-	77-	16-2-6-3-1-2-3-1-2-1-3-3-1-													-1-	-	-	-	-	47.17
16-45.1011-114.8275-2-12-						0-L16786-07/24/79-13-			28-11.2-C-			-	7.5-	61-	-2-6-2-6-3-3-1-2-1-4-4-1-													-1-	-	-	-	-	3.41
16-45.1042-114.8483-2-11-						0-L16787-07/24/79-15-			26-12.8-C-			-	7.4-	75-	-2-6-3-1-2-3-1- -1-3-3-1-													-1-	-	-	-	-	98.77
16-45.8272-115.8753-2-12-						0-L16788-07/29/79-11-			26-16.2-C-			-	7.7-	75-	-2-6-2-6-2-3-1-2-1-4-4-1-													-1-	-	-	-	-	4.83
16-45.4294-115.1950-2-12-						0-L16789-07/23/79-15-			26- 9.7-		-	-	8.6-	47-	10-2-7-2-7-3-3-1-1-1-3-3-1-													-1-	-	-	-	-	8.79
16-45.4264-115.1936-2-11-						0-L16790-07/23/79-13-			26- 6.7-		-	-	8.4-	68-	8-2-7-5-8-2-3-1- -1-3-3-1-													-1-	-	-	-	-	22.94
16-45.3986-115.1931-2-12-						0-L16791-07/23/79-13-			27-12.1-		-	-	8.1-	32-	6-2-7-2-7-3-3-1-2-1-3-3-1-													-1-	-	-	-	-	9.25
16-45.3983-115.1914-2-12-						0-L16792-07/23/79-13-			27-13.6-		-	-	7.9-	27-	4-2-7-2-7-3-3-1-1-1-3-3-1-													-1-	-	-	-	-	5.99
16-45.3836-115.2056-2-12-						0-L16793-07/23/79-14-			28-10.3-		-	-	7.8-	48-	17-2-7-5-8-2-3-1-1-1-3-3-1-													-1-	-	-	-	-	19.80

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.3664-	115.1894-	2-	12-	0-	L16743	5	6	-5	-10	-20	-15	-5	-10	24	22	-5	1475	1	61
16-	45.8700-	115.5596-	2-	11-	0-	L16744	-5	5	-5	10	-20	15	-5	-10	-15	9	-5	559	2	14
16-	45.8822-	115.5397-	2-	11-	0-	L16745	-5	-5	-5	26	-20	-15	9	-10	-15	9	-5	238	-1	53
16-	45.9981-	115.5228-	2-	12-	0-	L16746	-5	10	-5	15	-20	15	-5	-10	26	6	-5	1236	-1	17
16-	45.9983-	115.5239-	2-	12-	0-	L16747	-5	10	-5	10	-20	16	-5	-10	-15	11	-5	759	-1	25
16-	45.9592-	115.5161-	2-	12-	0-	L16748	-5	13	-5	25	-20	-15	-5	-10	-15	7	-5	413	-1	16
16-	45.8278-	115.6044-	2-	12-	0-	L16749	-5	11	-5	24	-20	18	-5	-10	22	5	-5	504	-1	29
16-	45.9575-	115.5472-	2-	11-	0-	L16750	-5	-5	-5	17	-20	-15	-5	-10	30	13	-5	230	-1	23
16-	45.9753-	115.5933-	2-	11-	0-	L16751	-5	6	-5	35	-20	29	8	-10	-15	6	-5	307	-1	44
16-	45.9717-	115.5736-	2-	12-	0-	L16752	-5	15	-5	12	-20	17	11	-10	29	6	-5	1546	2	25
16-	45.9714-	115.5725-	2-	12-	0-	L16753	-5	10	-5	23	-20	-15	11	-10	17	8	-5	388	1	27
16-	45.9250-	115.5958-	2-	12-	0-	L16754	-5	16	-5	21	-20	16	8	-10	15	39	-5	646	2	29
16-	45.9242-	115.5953-	2-	12-	0-	L16755	-5	18	-5	29	-20	21	5	-10	18	48	-5	495	1	16
16-	45.8908-	115.6225-	2-	12-	0-	L16756	-5	16	-5	36	-20	20	125	-10	-15	14	-5	672	2	28
16-	45.8811-	115.6158-	2-	12-	0-	L16757	-5	11	-5	34	-20	16	10	-10	-15	45	-5	377	1	32
16-	45.8653-	115.6178-	2-	12-	0-	L16758	-5	9	-5	13	-20	19	8	-10	-15	28	-5	512	2	25
16-	45.8633-	115.6139-	2-	12-	0-	L16759	-5	5	-5	22	-20	-15	8	-10	-15	18	-5	421	2	19
16-	45.8489-	115.6161-	2-	12-	0-	L16760	-5	12	-5	29	-20	16	11	-10	-15	-5	-5	612	2	20
16-	45.7903-	115.6072-	2-	12-	0-	L16761	-5	6	-5	17	-20	-15	9	-10	-15	5	-5	361	2	25
16-	45.8300-	115.6136-	2-	12-	0-	L16762	-5	15	-5	13	-20	18	-5	-10	15	29	-5	787	1	25
16-	45.0572-	114.7247-	2-	12-	0-	L16763	-5	6	-5	26	-20	-15	6	-10	18	13	-5	597	1	41
16-	45.0675-	114.7258-	2-	12-	0-	L16764	-5	5	-5	18	-20	-15	9	-10	-15	-5	-5	445	2	25
16-	45.0778-	114.7250-	2-	12-	0-	L16765	-5	18	-5	-10	-20	16	6	-10	35	13	-5	1876	-1	57
16-	45.0925-	114.7286-	2-	12-	0-	L16766	-5	10	-5	13	-20	-15	28	-10	-15	6	-5	427	2	35
16-	45.0919-	114.7281-	2-	11-	0-	L16767	-5	6	-5	70	-20	-15	16	-10	-15	5	-5	399	1	16
16-	45.1233-	114.6792-	2-	12-	0-	L16768	-5	10	-5	39	-20	-15	19	-10	-15	5	-5	220	4	32
16-	45.1236-	114.6753-	2-	12-	0-	L16769	-5	14	-5	19	-20	-15	17	-10	20	14	-5	431	11	47
16-	45.1151-	114.6583-	2-	12-	0-	L16770	-5	9	-5	40	-20	-15	34	-10	-15	-5	-5	236	2	97
16-	45.1200-	114.6706-	2-	11-	0-	L16771	-5	-5	-5	22	-20	-15	11	-10	-15	-5	-5	219	2	40
16-	45.0931-	114.7583-	2-	15-	0-	L16772	-5	-5	-5	62	-20	-15	9	-10	-15	7	-5	234	2	46
16-	45.0969-	114.7625-	2-	15-	0-	L16773	-5	10	-5	34	-20	-15	18	-10	-15	-5	-5	409	2	86
16-	45.1014-	114.7750-	2-	12-	0-	L16774	-5	7	-5	24	-20	16	-5	-10	-15	7	-5	277	2	30
16-	45.1075-	114.7833-	2-	12-	0-	L16775	-5	11	-5	25	-20	27	7	-10	-15	9	-5	587	-1	187
16-	45.1069-	114.7917-	2-	15-	0-	L16776	-5	-5	-5	22	-20	-15	10	-10	-15	6	-5	197	-1	36
16-	45.1078-	114.8061-	2-	12-	0-	L16777	-5	13	-5	17	-20	17	22	-10	-15	5	-5	345	2	86
16-	45.1039-	114.8197-	2-	12-	0-	L16778	-5	9	-5	20	-20	-15	16	-10	-15	7	-5	540	2	82
16-	45.3567-	115.0019-	2-	12-	0-	L16779	-5	12	-5	11	-20	-15	20	-10	15	-5	-5	738	2	78
16-	45.3558-	115.0039-	2-	12-	0-	L16780	-5	11	-5	-10	-20	-15	11	-10	-15	7	-5	1210	3	50
16-	45.3347-	115.0222-	2-	12-	0-	L16781	-5	11	-5	28	-20	-15	11	-10	-15	12	-5	611	2	103
16-	45.3306-	115.0214-	2-	11-	0-	L16782	-5	6	-5	26	-20	-15	15	-10	-15	-5	-5	366	2	105
16-	45.3164-	115.0211-	2-	12-	0-	L16783	-5	9	-5	16	-20	-15	16	-10	15	6	-5	746	4	50
16-	45.3206-	115.0153-	2-	12-	0-	L16784	-5	14	-5	17	-20	-15	9	-10	17	13	-5	276	2	57
16-	45.3164-	115.0253-	2-	12-	0-	L16785	-5	10	-5	21	-20	-15	21	-10	-15	-5	-5	454	3	77
16-	45.1011-	114.8275-	2-	12-	0-	L16786	-5	-5	-5	24	-20	-15	10	-10	-15	9	-5	286	2	37
16-	45.1042-	114.8483-	2-	11-	0-	L16787	-5	5	-5	30	-20	20	9	-10	-15	7	-5	298	2	47
16-	45.8272-	115.8753-	2-	12-	0-	L16788	-5	-5	-5	19	-20	20	-5	-10	-15	6	-5	281	-1	14
16-	45.4294-	115.1950-	2-	12-	0-	L16789	-5	-5	-5	11	-20	26	8	-10	-15	6	-5	681	1	73
16-	45.4264-	115.1936-	2-	11-	0-	L16790	-5	6	-5	20	-20	-15	12	-10	-15	-5	-5	593	2	54
16-	45.3986-	115.1931-	2-	12-	0-	L16791	-5	-5	-5	-10	-20	25	-5	-10	-15	6	-5	1602	1	26
16-	45.3983-	115.1914-	2-	12-	0-	L16792	-5	5	-5	14	-20	18	5	-10	-15	-5	-5	529	2	36
16-	45.3836-	115.2056-	2-	12-	0-	L16793	-5	5	-5	-10	-20	-15	12	-10	-15	-5	-5	2280	2	46

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER						LAB SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.3564-	115.1894-	2-	12-	0-	L16743	58120	-0.11	-403	17910	260	-286	15.6	19	3.0	4	2.0	53180	58.3	-10920	141	1.0
16-	45.8700-	115.5586-	2-	11-	0-	L16744	103400	-0.11	623	19460	312	424	14.9	78	2.9	20	2.4	47080	23.2	20920	144	1.3
16-	45.8822-	115.5397-	2-	11-	0-	L16745	87780	-0.10	814	13560	69	525	12.4	37	4.7	5	1.1	36030	9.8	19180	28	0.3
16-	45.9981-	115.5228-	2-	12-	0-	L16746	77070	0.31	580	30070	437	-128	11.9	60	-2.2	19	4.5	39130	52.8	11260	185	1.4
16-	45.9983-	115.5239-	2-	12-	0-	L16747	72900	-0.10	749	23510	293	270	10.2	57	-2.1	16	3.6	35840	35.0	14820	125	1.2
16-	45.9592-	115.5161-	2-	12-	0-	L16748	74990	-0.08	505	21770	404	-117	10.3	69	-1.5	21	3.4	37230	15.4	10500	168	1.3
16-	45.8278-	115.6044-	2-	12-	0-	L16749	80490	-0.09	644	16220	532	-129	9.7	50	3.1	26	3.8	40500	26.9	18080	209	1.8
16-	45.9675-	115.5472-	2-	11-	0-	L16750	60400	-0.15	2259	45850	202	402	11.3	-16	-3.0	9	7.9	93790	7.6	-7053	71	0.5
16-	45.9753-	115.5933-	2-	11-	0-	L16751	88200	-0.12	1040	18250	298	-132	22.3	68	-2.4	19	3.7	40370	15.1	21490	113	1.2
16-	45.9717-	115.5736-	2-	12-	0-	L16752	52640	-0.09	649	27950	374	247	11.3	61	-1.7	27	3.1	30330	79.2	16470	170	2.3
16-	45.9714-	115.5725-	2-	12-	0-	L16753	83650	-0.11	945	13470	292	-138	13.8	67	-2.2	16	3.8	36260	17.8	19940	125	1.0
16-	45.9250-	115.5953-	2-	12-	0-	L16754	82690	-0.10	921	18370	348	198	15.1	44	2.5	20	2.7	32330	24.3	17990	159	1.2
16-	45.9242-	115.5953-	2-	12-	0-	L16755	82820	-0.11	703	17940	706	217	15.9	74	-2.2	39	3.3	39280	20.7	15680	287	2.2
16-	45.8908-	115.6225-	2-	12-	0-	L16756	50250	-0.09	1090	16670	389	233	15.1	55	5.2	23	2.9	38810	23.9	20660	170	1.1
16-	45.8811-	115.6158-	2-	12-	0-	L16757	56670	-0.10	891	15470	366	-143	17.1	65	2.2	22	2.7	38640	16.3	26910	151	1.6
16-	45.8653-	115.6178-	2-	12-	0-	L16758	73320	-0.10	891	12590	298	186	9.6	66	2.6	23	2.1	26470	23.8	19180	128	1.5
16-	45.8633-	115.6139-	2-	12-	0-	L16759	50030	-0.09	708	17700	400	-133	13.5	77	3.1	25	3.1	36260	20.7	16630	168	1.8
16-	45.8489-	115.6161-	2-	12-	0-	L16760	51100	-0.09	608	28300	351	242	10.4	68	-1.6	18	3.0	31940	27.2	18500	152	0.9
16-	45.8903-	115.6072-	2-	12-	0-	L16761	56600	-0.09	659	14680	251	-120	7.4	35	2.6	17	2.7	25320	18.0	15590	113	1.3
16-	45.8300-	115.6136-	2-	12-	0-	L16762	84590	-0.12	798	18920	484	208	11.4	62	-2.2	25	3.1	33860	33.1	17550	213	1.8
16-	45.0572-	114.7247-	2-	12-	0-	L16763	63290	-0.10	654	18640	185	213	8.8	65	5.4	9	2.1	33940	23.6	27020	107	0.5
16-	45.0675-	114.7258-	2-	12-	0-	L16764	53800	-0.08	701	20690	119	-117	6.8	46	4.1	5	1.2	21910	15.1	22890	64	0.4
16-	45.0778-	114.7250-	2-	12-	0-	L16765	62330	-0.11	825	19840	419	-123	9.4	97	4.9	12	2.3	40630	83.3	22140	217	1.0
16-	45.0925-	114.7286-	2-	12-	0-	L16766	57140	-0.13	674	24440	140	271	7.9	63	-2.2	7	1.2	27480	15.5	20470	80	0.5
16-	45.0919-	114.7281-	2-	11-	0-	L16767	49790	-0.11	605	19320	172	-139	8.2	48	-2.2	7	1.4	26740	17.3	19610	83	0.4
16-	45.1233-	114.6792-	2-	12-	0-	L16768	61130	-0.10	436	20350	143	291	7.8	76	4.7	19	1.9	24500	9.6	12340	101	1.2
16-	45.1236-	114.6753-	2-	12-	0-	L16769	65030	-0.10	361	12660	204	-129	5.8	39	4.9	25	1.5	20070	19.5	18110	125	1.9
16-	45.1161-	114.6683-	2-	12-	0-	L16770	74770	-0.11	825	18580	103	-131	9.5	51	7.5	8	1.4	25850	7.9	17740	36	0.6
16-	45.1200-	114.6706-	2-	11-	0-	L16771	62950	-0.10	710	16390	70	394	8.6	30	2.9	8	1.1	20070	8.9	16290	42	0.5
16-	45.0931-	114.7583-	2-	15-	0-	L16772	66390	-0.09	967	59940	85	401	9.2	37	5.7	6	1.4	28120	8.0	20350	52	0.5
16-	45.0969-	114.7625-	2-	15-	0-	L16773	60220	-0.09	1039	24820	142	-147	11.0	44	4.8	6	0.9	37110	19.5	23850	72	0.4
16-	45.1014-	114.7750-	2-	12-	0-	L16774	58550	-0.11	459	17120	123	-115	10.5	69	4.6	7	1.4	29940	9.6	18040	68	0.5
16-	45.1075-	114.7833-	2-	12-	0-	L16775	64820	-0.11	839	50980	134	-126	12.1	75	5.2	5	1.5	40420	19.5	25370	63	0.4
16-	45.1069-	114.7917-	2-	15-	0-	L16776	68770	-0.08	825	28050	100	-130	9.1	47	4.8	3	1.3	29260	8.7	23990	45	0.3
16-	45.1078-	114.8061-	2-	12-	0-	L16777	74660	-0.10	696	25570	139	198	8.7	82	8.0	5	1.6	30600	16.5	23080	69	0.3
16-	45.1039-	114.8197-	2-	12-	0-	L16778	73130	-0.10	701	23610	167	-127	8.0	77	4.3	6	1.5	28260	21.5	22310	103	0.6
16-	45.3567-	115.0019-	2-	12-	0-	L16779	75850	-0.08	493	18010	209	-125	5.6	28	4.3	6	1.4	25670	30.8	24930	107	0.7
16-	45.3558-	115.0039-	2-	12-	0-	L16780	80170	-0.09	597	18790	201	-141	5.2	-9	4.2	10	1.4	23930	43.5	20890	117	1.1
16-	45.3347-	115.0222-	2-	12-	0-	L16781	81600	-0.10	567	19580	209	158	10.0	35	3.7	9	1.7	40350	26.0	13950	111	0.9
16-	45.3306-	115.0214-	2-	11-	0-	L16782	68610	-0.13	299	27110	213	-134	9.2	31	8.2	12	1.6	33860	15.6	13360	166	1.1
16-	45.3164-	115.0211-	2-	12-	0-	L16783	78950	-0.09	497	17580	143	-145	6.6	30	4.9	8	1.2	26040	33.0	23640	91	1.0
16-	45.3206-	115.0153-	2-	12-	0-	L16784	51730	-0.08	-456	12990	112	-294	10.6	-9	4.0	-2	0.8	38900	9.8	-12340	69	0.6
16-	45.3164-	115.0253-	2-	12-	0-	L16785	79960	-0.10	-161	25740	168	-153	6.4	27	3.4	8	1.7	33440	25.3	16930	107	0.7
16-	45.1011-	114.8275-	2-	12-	0-	L16786	63320	0.71	811	17190	103	-123	9.5	40	5.2	5	1.5	32540	9.0	23310	50	0.4
16-	45.1042-	114.8483-	2-	11-	0-	L16787	70370	-0.11	759	18550	129	248	14.5	65	5.5	6	2.1	35810	9.1	23150	85	0.5
16-	45.8272-	115.8753-	2-	12-	0-	L16788	67880	-0.07	747	15130	114	166	11.9	33	2.1	8	1.6	26840	10.6	18840	54	0.6
16-	45.4294-	115.1950-	2-	12-	0-	L16789	75220	-0.11	782	32500	119	-137	19.2	158	3.3	7	2.0	50920	33.7	13480	50	0.5
16-	45.4264-	115.1936-	2-	11-	0-	L16790	85670	-0.12	920	25600	107	-134	10.1	54	-2.5	7	1.7	40850	23.0	24690	59	0.5
16-	45.3986-	115.1931-	2-	12-	0-	L16791	76470	-0.12	636	38420	195	-130	16.2	176	-2.5	9	2.3	50910	66.0	12060	85	1.0
16-	45.3983-	115.1914-	2-	12-	0-	L16792	81590	-0.09	859	41780	103	-124	19.0	151	2.7	6	1.7	48390	23.5	15730	49	0.5
16-	45.3836-	115.2056-	2-	12-	0-	L16793	79250	-0.11	691	23540	300	-160	9.7	48	-2.2	9	2.4	38700	91.0	16000	151	0.9

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER						LAB SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.3664-	115.1894-	2-	12-	0-	L16743	-5130	5818	19960	93	-3	11.4	17.1	-869	3	-1	52.2	-1998	36	8.5	-180	0.936
16-	45.8700-	115.5586-	2-	11-	0-	L16744	14670	740	24500	107	-3	21.6	-1.1	-275	-2	3	48.5	6239	108	14.5	168	0.207
16-	45.8822-	115.5397-	2-	11-	0-	L16745	7850	443	18990	85	-3	11.0	4.7	-294	-2	-1	8.4	5228	76	3.3	193	0.310
16-	45.9981-	115.5228-	2-	12-	0-	L16746	8629	725	23530	56	-3	14.4	29.1	-324	3	2	52.5	11250	95	13.8	181	0.168
16-	45.9983-	115.5239-	2-	12-	0-	L16747	7103	947	23330	-43	-3	13.2	24.8	-335	-2	-1	41.3	9130	72	11.3	-50	0.170
16-	45.9592-	115.5161-	2-	12-	0-	L16748	8658	608	28040	-33	-2	11.8	31.2	482	-2	2	56.8	8989	95	13.9	72	0.148
16-	45.8278-	115.6044-	2-	12-	0-	L16749	6247	632	23640	-41	-2	12.6	41.2	-261	2	3	73.1	8822	87	19.6	104	0.158
16-	45.9675-	115.5472-	2-	11-	0-	L16750	8834	2943	19700	-59	-4	28.6	14.9	-579	6	-1	7.4	15460	65	5.8	-69	0.403
16-	45.9753-	115.5933-	2-	11-	0-	L16751	9458	775	20870	122	-3	14.1	29.9	-355	-2	2	42.5	8089	91	12.7	155	0.152
16-	45.9717-	115.5736-	2-	12-	0-	L16752	8045	748	25940	66	-2	13.2	31.1	-259	4	2	72.7	10850	89	23.8	86	0.179
16-	45.9714-	115.5725-	2-	12-	0-	L16753	6729	691	16210	-50	-3	12.3	24.4	-310	-2	-1	40.2	5920	73	11.8	150	0.172
16-	45.9250-	115.5958-	2-	12-	0-	L16754	7094	595	25030	94	-3	11.4	29.0	527	-2	2	51.0	7759	71	15.5	137	0.179
16-	45.9242-	115.5953-	2-	12-	0-	L16755	7859	853	22590	-42	-3	13.9	65.1	-332	-2	4	103.9	10260	80	25.9	141	0.158
16-	45.8908-	115.6225-	2-	12-	0-	L16756	8369	726	19330	107	-2	12.5	29.6	-263	-2	2	60.6	6446	94	13.4	135	0.165
16-	45.8811-	115.6158-	2-	12-	0-	L16757	8000	677	22530	124	-3	12.5	32.2	-293	-2	2	50.2	6431	76	16.2	142	0.194
16-	45.8653-	115.6178-	2-	12-	0-	L16758	6317	530	14930	-38	-3	9.3	25.8	-214	-2	2	57.2	5976	62	15.6	-45	0.179
16-	45.8633-	115.6139-	2-	12-	0-	L16759	9401	705	23920	90	-2	13.3	39.8	-274	3	2	54.2	8957	85	17.3	163	0.186
16-	45.8489-	115.6161-	2-	12-	0-	L16760	7223	501	22260	-33	-2	11.5	25.0	-275	3	2	51.5	5767	77	9.7	68	0.165
16-	45.7903-	115.6072-	2-	12-	0-	L16761	4137	564	26420	-37	-2	9.3	22.7	-286	-2	2	43.4	5736	58	12.6	88	0.176
16-	45.8300-	115.6136-	2-	12-	0-	L16762	8151	579	21400	-44	-3	10.9	40.8	405	-2	3	77.3	6312	75	18.7	143	0.159
16-	45.0572-	114.7247-	2-	12-	0-	L16763	8932	497	16870	97	-3	10.8	16.7	-253	2	-1	32.3	4590	62	7.1	-42	0.647
16-	45.0675-	114.7258-	2-	12-	0-	L16764	8157	378	16340	116	-2	7.6	8.3	-290	-2	-1	18.6	3707	55	4.2	74	0.861
16-	45.0778-	114.7250-	2-	12-	0-	L16765	8906	761	18740	137	-3	11.9	24.8	-321	4	-1	88.4	7846	83	11.1	160	0.307
16-	45.0925-	114.7286-	2-	12-	0-	L16766	8235	573	16920	-46	-3	8.6	11.0	-283	-2	-1	27.8	4351	53	3.1	-60	1.086
16-	45.0919-	114.7281-	2-	11-	0-	L16767	6551	415	15590	-43	-3	8.0	14.1	-287	-2	-1	29.5	4307	57	5.8	-168	0.640
16-	45.1233-	114.6792-	2-	12-	0-	L16768	5753	673	11800	112	-2	7.9	23.6	-354	-2	2	34.5	2405	51	13.3	80	2.010
16-	45.1236-	114.6753-	2-	12-	0-	L16769	3615	480	20730	129	-3	6.0	30.8	-317	8	2	54.2	2173	43	17.2	70	1.767
16-	45.1161-	114.6583-	2-	12-	0-	L16770	6299	662	18060	-41	-3	9.1	12.6	-287	-2	-1	17.2	3156	64	5.5	144	6.198
16-	45.1200-	114.6706-	2-	11-	0-	L16771	5022	622	17740	-36	-2	6.8	8.9	-340	-2	-1	11.3	3458	35	5.3	-113	0.643
16-	45.0931-	114.7583-	2-	15-	0-	L16772	9941	986	15320	112	-2	9.3	8.1	-313	-1	-1	13.4	3278	54	-1.5	-74	0.346
16-	45.0969-	114.7625-	2-	15-	0-	L16773	7689	1223	17800	96	-3	11.1	9.8	-355	-2	-1	27.5	3878	54	4.7	225	0.281
16-	45.1014-	114.7750-	2-	12-	0-	L16774	10910	413	20320	89	-3	10.1	9.6	-285	-2	-1	16.5	5267	78	4.1	-20	1.581
16-	45.1075-	114.7833-	2-	12-	0-	L16775	10810	810	18860	-42	-3	11.2	9.5	-339	-2	-1	23.7	5580	65	3.7	-109	0.362
16-	45.1069-	114.7917-	2-	15-	0-	L16776	10660	681	24110	152	-2	10.9	5.8	-269	-1	-1	15.1	3552	89	-1.5	136	0.438
16-	45.1078-	114.8061-	2-	12-	0-	L16777	10410	501	24020	96	-3	10.8	12.3	453	-2	-1	22.9	4356	52	-1.6	159	2.269
16-	45.1039-	114.8197-	2-	12-	0-	L16778	8517	558	23550	98	-3	11.2	11.8	507	-2	-1	33.1	4437	53	4.7	-102	1.307
16-	45.3567-	115.0019-	2-	12-	0-	L16779	4734	633	30100	102	-2	9.1	13.0	-285	-1	-1	43.2	3102	39	6.3	116	0.395
16-	45.3558-	115.0039-	2-	12-	0-	L16780	5042	927	29370	114	-2	8.2	12.8	-298	3	-1	47.5	3381	28	9.6	91	0.809
16-	45.3347-	115.0222-	2-	12-	0-	L16781	6961	1129	17910	-44	-3	11.7	18.7	-340	-2	-1	47.5	3567	46	8.7	200	1.120
16-	45.3306-	115.0214-	2-	11-	0-	L16782	6127	890	15560	-52	-3	9.5	27.0	-397	-2	-1	38.0	3216	59	7.2	-155	6.134
16-	45.3164-	115.0211-	2-	12-	0-	L16783	5930	1340	27580	136	-2	8.1	13.5	-388	-1	-1	42.1	2521	34	11.1	-121	1.193
16-	45.3206-	115.0153-	2-	12-	0-	L16784	-5173	6527	17460	134	-2	5.9	-1.0	-853	-2	-1	28.0	-1939	54	4.3	118	3.250
16-	45.3164-	115.0253-	2-	12-	0-	L16785	7597	675	25300	122	-3	11.4	16.4	-308	-2	-1	40.1	2977	42	7.1	-126	1.176
16-	45.1011-	114.8275-	2-	12-	0-	L16786	8929	1149	15830	-41	-3	8.7	6.6	-386	-1	-1	12.0	5096	65	3.7	157	0.284
16-	45.1042-	114.8483-	2-	11-	0-	L16787	11130	713	16390	-44	-3	11.7	15.1	-343	2	-1	13.7	7597	87	4.3	-49	7.209
16-	45.8272-	115.8753-	2-	12-	0-	L16788	8782	969	11990	-28	-2	9.0	8.9	-231	3	1	16.1	5648	64	6.4	110	0.300
16-	45.4294-	115.1950-	2-	12-	0-	L16789	18340	1253	18800	-44	-3	20.9	10.6	-336	-2	-1	15.8	9725	98	3.8	172	0.556
16-	45.4264-	115.1936-	2-	11-	0-	L16790	9221	822	23600	-47	-3	16.3	9.1	-357	-1	-1	13.5	7274	81	4.7		1.699
16-	45.3986-	115.1931-	2-	12-	0-	L16791	17310	1136	23730	-42	-3	26.9	16.0	515	-2	-1	18.7	8742	104	6.8	-52	0.495
16-	45.3983-	115.1914-	2-	12-	0-	L16792	17130	1090	22780	-36	-2	21.6	8.0	-278	-1	-1	10.4	7799	119	4.2	177	0.576
16-	45.3836-	115.2056-	2-	12-	0-	L16793	7221	1275	22870	-44	-3	16.2	16.8	-368	-2	-1	32.0	4512	57	9.6	107	0.619

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																										U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.3553-	115.2489-	2-	12-	0-	L15794-	07/23/79-	17-	27-	14.4-	-	-	7.7-	31-	10-	2-	7-	2-	7-	4-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	21.26
16-	45.3558-	115.2478-	2-	12-	0-	L15795-	07/23/79-	17-	27-	15.6-	-	-	7.7-	22-	8-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	10.73
16-	45.3606-	115.2247-	2-	12-	0-	L15796-	07/23/79-	18-	26-	12.4-	-	-	7.8-	35-	12-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	26.53
16-	45.3717-	115.2061-	2-	12-	0-	L15797-	07/23/79-	19-	25-	17.1-	-	-	7.7-	9-	10-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	13.60
16-	45.3733-	115.2072-	2-	12-	0-	L15798-	07/23/79-	19-	25-	17.5-	-	-	7.9-	34-	14-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	2-	1-	-1-	-	-	-	-	27.12
16-	45.7761-	115.8819-	2-	12-	0-	L15799-	07/30/79-	13-	29-	14.9-	-	-	8.7-	15-	12-	2-	7-	2-	5-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	7.07
16-	45.7747-	115.8839-	2-	12-	0-	L15800-	07/30/79-	14-	29-	14.7-	-	-	8.6-	11-	12-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	8.13
16-	45.7739-	115.8914-	2-	12-	0-	L15801-	07/30/79-	15-	30-	16.9-	-	-	8.4-	20-	13-	2-	7-	2-	1-	4-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	3.88
16-	45.7747-	115.8917-	2-	12-	0-	L15802-	07/30/79-	15-	30-	15.4-	-	-	8.5-	16-	12-	2-	7-	1-	7-	4-	3-	2-	1-	1-	3-	4-	1-	-1-	-	-	-	-	6.59
16-	45.7750-	115.8969-	2-	12-	0-	L15803-	07/30/79-	15-	30-	15.0-	-	-	8.1-	112-	8-	2-	7-	2-	7-	3-	3-	1-	1-	1-	4-	4-	1-	-1-	-	-	-	-	5.13
16-	45.7819-	115.8764-	2-	99-	0-	L15804-	07/30/79-	16-	31-	-0-	-	-	-	-	14-	2-	7-	5-	7-	-1-	-	-1-	3-	3-	1-	-1-	-	-1-	-	-	-	-	7.61
16-	45.8056-	115.8839-	2-	99-	0-	L15805-	07/30/79-	17-	29-	-0-	-	-	-	-	10-	2-	7-	5-	8-	-1-	-	-1-	3-	3-	1-	-1-	-	-1-	-	-	-	-	9.27
16-	45.8053-	115.8856-	2-	12-	0-	L15806-	07/30/79-	18-	27-	15.6-	-	-	8.5-	60-	16-	2-	7-	2-	7-	2-	3-	1-	1-	1-	4-	5-	1-	-1-	-	-	-	-	7.64
16-	45.8050-	115.8869-	2-	12-	0-	L15807-	07/30/79-	18-	28-	17.4-	-	-	8.8-	19-	17-	2-	7-	2-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	8.61
16-	45.6639-	115.8525-	2-	12-	0-	L15808-	07/29/79-	14-	29-	10.9-	-	-	8.4-	4-	8-	2-	7-	2-	1-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	4.67
16-	45.6639-	115.8536-	2-	12-	0-	L15809-	07/29/79-	14-	29-	13.3-	-	-	8.2-	31-	8-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	3.94
16-	45.6689-	115.8617-	2-	11-	0-	L15810-	07/29/79-	16-	29-	15.6-	-	-	8.3-	16-	8-	2-	7-	5-	8-	2-	3-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	2.99
16-	45.6592-	115.8689-	2-	12-	0-	L15811-	07/29/79-	16-	29-	18.6-	-	-	8.0-	57-	11-	2-	7-	2-	6-	2-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	5.26
16-	45.6675-	115.8886-	2-	12-	0-	L15812-	07/29/79-	17-	27-	9.0-	-	-	8.7-	20-	7-	2-	7-	3-	1-	3-	3-	1-	1-	1-	4-	3-	1-	-1-	-	-	-	-	4.79
16-	45.2828-	114.9417-	2-	12-	0-	L15813-	07/22/79-	10-	22-	11.5-	-	-	7.1-	28-	10-	2-	7-	5-	8-	2-	3-	1-	2-	4-	5-	2-	4-	-1-	-	-	-	-	4.78
16-	45.2814-	114.9422-	2-	12-	0-	L15814-	07/22/79-	10-	22-	13.1-	-	-	7.7-	21-	10-	2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	2-	4-	-1-	-	-	-	-	6.34
16-	45.2794-	114.9050-	2-	15-	0-	L15815-	07/22/79-	10-	22-	-	-	-	-	-	20-	1-	7-	4-	1-	-1-	-2-	4-	5-	2-	4-	-1-	-	-	-	-	-	-	10.09
16-	45.2819-	114.9028-	2-	12-	0-	L15816-	07/22/79-	10-	22-	9.2-	-	-	8.0-	16-	25-	2-	7-	5-	9-	3-	3-	1-	2-	1-	4-	3-	4-	-1-	-	-	-	-	21.48
16-	45.3167-	114.8747-	2-	12-	0-	L15817-	07/22/79-	12-	23-	10.7-	-	-	8.1-	22-	10-	2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	3-	3-	-1-	-	-	-	-	22.40
16-	45.3175-	114.8822-	2-	12-	0-	L15818-	07/22/79-	13-	22-	10.7-	-	-	8.0-	20-	12-	2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	3-	3-	-1-	-	-	-	-	16.40
16-	45.3164-	114.8842-	2-	12-	0-	L15819-	07/22/79-	13-	22-	13.6-	-	-	8.1-	20-	9-	1-	7-	5-	8-	3-	3-	1-	2-	4-	5-	3-	3-	-1-	-	-	-	-	12.81
16-	45.3189-	114.8733-	2-	11-	0-	L15820-	07/22/79-	14-	25-	4.5-	-	-	7.5-	41-	13-	1-	7-	5-	8-	2-	3-	1-	-4-	5-	4-	3-	-1-	-	-	-	-	-	9.41
16-	45.3211-	114.8722-	2-	12-	0-	L15821-	07/22/79-	15-	24-	12.8-	-	-	7.4-	20-	20-	3-	7-	5-	8-	3-	3-	1-	2-	4-	5-	3-	3-	-1-	-	-	-	-	23.25
16-	45.3189-	114.8647-	2-	12-	0-	L15822-	07/22/79-	15-	24-	12.1-	-	-	8.1-	29-	7-	2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	4-	2-	-1-	-	-	-	-	10.34
16-	45.3325-	114.8500-	2-	12-	0-	L15823-	07/22/79-	16-	25-	14.1-	-	-	7.9-	36-	10-	2-	7-	5-	9-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	17.83
16-	45.3344-	114.8458-	2-	12-	0-	L15824-	07/22/79-	17-	25-	10.2-	-	-	7.6-	27-	14-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	11.29
16-	45.3256-	114.8269-	2-	11-	0-	L15825-	07/22/79-	17-	25-	9.1-	-	-	7.7-	26-	10-	2-	7-	5-	8-	2-	3-	1-	-1-	4-	5-	2-	-1-	-	-	-	-	-	26.22
16-	45.3239-	114.8228-	2-	12-	0-	L15826-	07/22/79-	19-	24-	10.0-	-	-	7.2-	19-	12-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	2-	-1-	-	-	-	-	15.78
16-	45.3050-	114.9425-	2-	11-	0-	L15827-	07/23/79-	11-	25-	9.1-	-	-	7.7-	11-	8-	2-	7-	5-	8-	2-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	12.99
16-	45.3492-	114.9517-	2-	12-	0-	L15828-	07/23/79-	14-	25-	11.8-	-	-	7.9-	33-	10-	2-	6-	5-	8-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	29.16
16-	45.3492-	114.9528-	2-	12-	0-	L15829-	07/23/79-	14-	25-	11.1-	-	-	7.7-	50-	14-	2-	7-	4-	6-	2-	3-	1-	2-	4-	5-	2-	1-	-1-	-	-	-	-	46.43
16-	45.3572-	114.9333-	2-	12-	0-	L15830-	07/23/79-	15-	25-	12.0-	-	-	8.1-	53-	12-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	28.78
16-	45.2856-	114.9450-	2-	11-	0-	L15831-	07/23/79-	20-	22-	10.4-	-	-	6.8-	20-	4-	2-	7-	6-	8-	2-	3-	1-	-4-	5-	3-	1-	-1-	-	-	-	-	-	3.68
16-	45.3003-	115.0281-	2-	12-	0-	L15832-	07/25/79-	10-	22-	9.9-	-	-	7.3-	40-	16-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	28.93
16-	45.2900-	115.0286-	2-	12-	0-	L15833-	07/25/79-	11-	23-	7.9-	-	-	7.5-	36-	35-	2-	6-	3-	1-	2-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	38.90
16-	45.2839-	115.0292-	2-	12-	0-	L15834-	07/25/79-	11-	24-	8.5-	-	-	7.4-	23-	27-	2-	6-	2-	5-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	28.42
16-	45.2836-	115.0297-	2-	12-	0-	L15835-	07/25/79-	11-	25-	8.1-	-	-	7.2-	35-	20-	2-	6-	2-	5-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	58.60
16-	45.2911-	115.0361-	2-	12-	0-	L15836-	07/25/79-	12-	26-	8.1-	-	-	7.3-	45-	25-	2-	6-	3-	3-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	47.21
16-	45.2917-	115.0367-	2-	12-	0-	L15837-	07/25/79-	12-	27-	10.7-	-	-	7.4-	42-	33-	2-	6-	2-	3-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	33.61
16-	45.1344-	115.1681-	2-	12-	0-	L15838-	07/23/79-	21-	26-	6.6-	-	-	7.6-	123-	12-	2-	6-	2-	5-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	13.81
16-	45.1392-	115.1631-	2-	12-	0-	L15839-	07/23/79-	21-	26-	8.1-	-	-	7.9-	51-	11-	2-	6-	3-	5-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	8.27
16-	45.1597-	115.1300-	2-	12-	0-	L15840-	07/23/79-	22-	25-	15.5-	-	-	7.7-	53-	5-	2-	6-	2-	5-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	3.46
16-	45.1722-	115.1947-	2-	12-	0-	L15841-	07/24/79-	11-	30-	11.9-	-	-	7.5-	103-	18-	2-	6-	5-	5-	2-	2-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	9.51
16-	45.1636-	115.2425-	2-	12-	0-	L15842-	07/24/79-	12-	30-	10.3-	-	-	7.8-	37-	16-	2-	7-	4-	5-	3-	3-	1-	2-	1-	2-	4-	1-	-1-	-	-	-	-	9.10
16-	45.1581-	115.2714-	2-	11-	0-	L15843-	07/24/79-	13-	32-	7.9-	-	-	7.7-	52-	12-	2-	7-	5-	5-	2-	2-	1-	-2-	2-	4-	1-	-1-	-	-	-	-	-	10.41
16-	45.1286-	115.3231-	2-	12-	0-	L15844-	07/24/79-	16-	33-	8.8-	-	-	8.1-	81-	19-	2-	7-	5-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	4.25

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.3553-	115.2489-2-12-				0-L16794	-5	7	-5	14	-20	-15	10	-10	-15	11	-5	1054	3	47
16-	45.3558-	115.2478-2-12-				0-L16795	-5	9	-5	-10	-20	-15	8	-10	-15	6	-5	737	3	65
16-	45.3606-	115.2247-2-12-				0-L16796	-5	9	-5	18	-20	-15	18	-10	18	8	-5	1085	2	56
16-	45.3717-	115.2061-2-12-				0-L16797	-5	6	-5	-10	-20	-15	10	-10	-15	5	-5	1034	2	37
16-	45.3733-	115.2072-2-12-				0-L16798	6	10	-5	16	-20	-15	13	-10	-15	7	-5	1789	2	46
16-	45.7761-	115.8819-2-12-				0-L16799	-5	8	-5	11	-20	-15	11	-10	-15	-5	-5	246	2	26
16-	45.7747-	115.8939-2-12-				0-L16800	-5	6	-5	12	-20	-15	9	-10	-15	-5	-5	363	2	21
16-	45.7739-	115.8914-2-12-				0-L16801	-5	-5	-5	13	-20	-15	9	-10	-15	-5	-5	202	3	16
16-	45.7747-	115.8917-2-12-				0-L16802	-5	7	-5	25	-20	-15	15	-10	15	-5	-5	265	2	25
16-	45.7750-	115.8969-2-12-				0-L16803	-5	-5	-5	14	-20	-15	5	-10	-15	-5	-5	684	2	15
16-	45.7819-	115.8754-2-99-				0-L16804	-5	6	-5	44	-20	-15	7	-10	19	-5	-5	273	2	36
16-	45.8056-	115.8839-2-99-				0-L16805	-5	6	-5	44	-20	25	-5	-10	-15	6	-5	270	2	33
16-	45.8053-	115.8856-2-12-				0-L16806	-5	8	-5	35	-20	16	8	-10	-15	-5	-5	282	-1	31
16-	45.8050-	115.8869-2-12-				0-L16807	-5	10	-5	-10	-20	-15	7	-10	-15	-5	-5	403	-1	13
16-	45.6639-	115.8525-2-12-				0-L16808	-5	-5	-5	14	-20	-15	7	-10	-15	-5	-5	164	2	20
16-	45.6639-	115.8536-2-12-				0-L16809	-5	5	-5	10	-20	-15	6	-10	-15	-5	-5	164	2	30
16-	45.6689-	115.8617-2-11-				0-L16810	-5	-5	-5	18	-20	-15	8	-10	-15	-5	-5	179	2	46
16-	45.6592-	115.8689-2-12-				0-L16811	-5	-5	-5	24	-20	-15	13	-10	-15	-5	-5	243	2	38
16-	45.6675-	115.8886-2-12-				0-L16812	-5	-5	-5	23	-20	15	19	-10	-15	-5	-5	166	2	38
16-	45.2828-	114.9417-2-12-				0-L16813	-5	-5	-5	22	-20	-15	17	-10	-15	-5	-5	270	2	29
16-	45.2814-	114.9422-2-12-				0-L16814	-5	-5	-5	27	-20	-15	8	-10	-15	6	-5	415	4	35
16-	45.2794-	114.9050-2-15-				0-L16815	-5	9	-5	24	-20	-15	12	-10	-15	-5	-5	496	4	46
16-	45.2819-	114.9029-2-12-				0-L16816	-5	7	-5	14	-20	18	22	-10	17	-5	-5	687	5	58
16-	45.3167-	114.8747-2-12-				0-L16817	-5	8	-5	-10	-20	-15	9	-10	-15	6	-5	971	2	47
16-	45.3175-	114.8822-2-12-				0-L16818	-5	8	-5	22	-20	-15	22	-10	-15	-5	-5	732	3	56
16-	45.3164-	114.8842-2-12-				0-L16819	-5	7	-5	19	-20	-15	11	-10	-15	-5	-5	1078	4	57
16-	45.3189-	114.8733-2-11-				0-L16820	-5	6	-5	20	-20	-15	11	-10	-15	7	-5	255	2	48
16-	45.3211-	114.8722-2-12-				0-L16821	-5	9	-5	22	-20	21	9	-10	-15	6	-5	462	2	101
16-	45.3189-	114.8547-2-12-				0-L16822	-5	-5	-5	28	-20	24	5	-10	16	5	-5	592	1	85
16-	45.3325-	114.8500-2-12-				0-L16823	-5	13	-5	-10	-20	19	11	-10	17	10	-5	2030	3	35
16-	45.3344-	114.8458-2-12-				0-L16824	-5	9	-5	14	-20	31	-5	-10	15	9	-5	1369	-1	85
16-	45.3256-	114.8269-2-11-				0-L16825	-5	7	6	13	-20	27	-5	-10	-15	13	-5	524	1	161
16-	45.3239-	114.8228-2-12-				0-L16826	-5	9	-5	10	-20	15	8	-10	-15	5	-5	412	2	66
16-	45.3050-	114.9425-2-11-				0-L16827	-5	7	-5	15	-20	-15	15	-10	-15	-5	-5	429	6	59
16-	45.3492-	114.9517-2-12-				0-L16828	6	13	-5	-10	-20	39	5	-10	-15	9	-5	2441	3	42
16-	45.3492-	114.9528-2-12-				0-L16829	-5	11	-5	20	-20	-15	14	-10	-15	6	-5	695	4	42
16-	45.3572-	114.9333-2-12-				0-L16830	-5	-5	-5	-10	-20	25	10	-10	-15	-5	-5	800	3	47
16-	45.2856-	114.9450-2-11-				0-L16831	-5	-5	-5	21	-20	-15	20	-10	-15	-5	-5	296	3	38
16-	45.3003-	115.0281-2-12-				0-L16832	-5	10	-5	10	-20	-15	14	-10	23	-5	-5	772	5	58
16-	45.2900-	115.0286-2-12-				0-L16833	-5	10	-5	-10	-20	16	5	-10	-15	16	-5	3192	4	38
16-	45.2839-	115.0292-2-12-				0-L16834	-5	12	-5	13	-20	-15	13	10	22	5	-5	1300	3	32
16-	45.2836-	115.0297-2-12-				0-L16835	-5	19	-5	-10	-20	-15	-5	-10	27	18	-5	2927	4	48
16-	45.2911-	115.0361-2-12-				0-L16836	-5	16	-5	-10	-20	-15	11	-10	-15	9	-5	1904	4	45
16-	45.2917-	115.0367-2-12-				0-L16837	-5	9	-5	-10	-20	-15	20	-10	-15	-5	-5	593	4	62
16-	45.1344-	115.1681-2-12-				0-L16838	-5	-5	-5	25	-20	-15	12	-10	-15	-5	-5	188	2	24
16-	45.1392-	115.1631-2-12-				0-L16839	-5	15	-5	15	-20	-15	17	-10	-15	13	-5	696	3	31
16-	45.1597-	115.1300-2-12-				0-L16840	-5	-5	-5	43	63	25	-5	-10	-15	7	-5	312	3	44
16-	45.1722-	115.1947-2-12-				0-L16841	-5	7	-5	47	-20	33	-5	-10	-15	10	-5	264	3	23
16-	45.1636-	115.2425-2-12-				0-L16842	7	-5	-5	23	72	-15	-5	11	20	22	-5	927	3	36
16-	45.1581-	115.2714-2-11-				0-L16843	-5	-5	-5	51	-20	40	-5	-10	-15	59	-5	304	2	24
16-	45.1286-	115.3231-2-12-				0-L16844	-5	-5	-5	39	-20	39	58	-10	15	25	-5	214	3	76

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS — Concentrations reported in weight parts per million (ppm)															
		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-45.3553-115.2489-2-12-	0-L16794	76720	-0.10	776	15870	157	-141	6.9	50	3.0	7	1.6	35570	44.2	20870	85	0.8
16-45.3558-115.2478-2-12-	0-L16795	71910	-0.08	795	18350	172	-110	7.5	74	3.2	6	1.5	24530	30.9	24910	91	0.7
16-45.3606-115.2247-2-12-	0-L16796	87360	-0.08	668	19680	147	132	8.5	30	4.0	7	1.5	29860	41.5	22110	85	0.8
16-45.3717-115.2061-2-12-	0-L16797	77640	-0.08	692	18990	225	-130	7.5	60	2.9	8	1.8	26360	42.8	20660	115	0.7
16-45.3733-115.2072-2-12-	0-L16798	82610	-0.13	565	25230	350	-138	10.8	74	3.5	9	2.0	32200	71.7	13830	183	1.0
16-45.7761-115.8819-2-12-	0-L16799	84940	-0.09	796	23320	201	-131	8.4	25	-1.7	12	1.8	22090	11.3	18650	91	0.8
16-45.7747-115.8839-2-12-	0-L16800	73150	-0.07	790	21810	285	-116	7.4	30	-1.3	12	2.0	21330	15.8	20240	137	0.7
16-45.7739-115.8914-2-12-	0-L16801	64030	-0.05	819	18440	137	-110	3.5	-5	-0.9	8	1.3	11640	8.7	15600	60	0.5
16-45.7747-115.8917-2-12-	0-L16802	73440	-0.09	805	20080	199	-122	9.6	39	-1.8	11	1.9	22180	13.4	18750	95	0.7
16-45.7750-115.8969-2-12-	0-L16803	84930	-0.11	977	38330	153	-139	6.3	28	-1.7	7	2.4	24590	31.8	9595	83	0.5
16-45.7819-115.8764-2-99-	0-L16804	78530	-0.14	794	14220	146	-115	11.6	46	3.7	15	2.7	27600	9.4	21060	85	1.0
16-45.8056-115.8839-2-99-	0-L16805	80550	-0.15	609	25310	126	314	15.1	46	6.1	8	1.4	42050	11.0	19800	71	0.5
16-45.8053-115.8856-2-12-	0-L16806	80970	-0.11	714	18250	172	198	14.0	46	3.4	13	2.3	38530	12.4	16890	89	0.9
16-45.8050-115.8869-2-12-	0-L16807	66510	-0.08	814	27780	356	-119	5.1	22	-1.2	14	2.4	18550	19.0	13390	167	1.0
16-45.6639-115.8525-2-12-	0-L16808	62760	-0.10	960	19500	84	-115	4.9	20	1.5	5	1.1	14340	6.6	17870	35	0.4
16-45.6639-115.8536-2-12-	0-L16809	53340	-0.08	744	30310	78	-90	5.6	22	-1.2	5	1.1	15530	6.5	14850	31	0.3
16-45.6689-115.8617-2-11-	0-L16810	73340	-0.10	941	25060	68	-120	7.0	38	-1.5	7	1.5	17920	6.6	19240	32	0.4
16-45.6592-115.8689-2-12-	0-L16811	65440	-0.09	994	29390	91	-115	5.8	28	1.8	8	1.2	15820	8.7	21220	51	0.4
16-45.6675-115.8886-2-12-	0-L16812	75750	-0.15	937	17450	81	323	6.4	41	-2.1	7	1.3	19530	6.9	19770	41	0.5
16-45.2828-114.9417-2-12-	0-L16813	69580	-0.16	-323	13420	119	-184	11.4	29	-2.5	6	1.3	33280	8.4	16700	56	0.3
16-45.2814-114.9422-2-12-	0-L16814	80380	-0.12	-177	10630	158	-132	7.5	22	2.8	6	1.1	27890	16.6	15410	76	0.4
16-45.2794-114.9050-2-15-	0-L16815	72520	-0.12	635	17060	133	-164	6.5	30	2.2	7	1.3	22960	21.1	19030	61	0.4
16-45.2819-114.9028-2-12-	0-L16816	75320	-0.16	434	15240	221	189	6.7	24	-2.3	12	1.6	22690	21.0	22710	115	0.8
16-45.3167-114.8747-2-12-	0-L16817	71860	-0.14	717	28670	215	-134	13.4	97	-2.2	8	1.5	38010	37.8	18140	114	0.6
16-45.3175-114.8822-2-12-	0-L16818	86170	-0.12	703	21170	263	-135	10.7	74	3.9	9	1.8	36140	29.4	16880	129	0.7
16-45.3164-114.8842-2-12-	0-L16819	73390	-0.11	535	17070	207	-138	6.6	34	2.5	8	1.7	24290	39.2	17810	112	0.6
16-45.3189-114.8733-2-11-	0-L16820	66050	-0.16	779	13790	89	-154	5.9	18	3.0	4	0.9	21670	11.4	18480	49	-0.2
16-45.3211-114.8722-2-12-	0-L16821	79350	-0.15	725	26450	172	-136	14.7	96	5.1	10	1.8	44490	24.3	16640	91	0.7
16-45.3189-114.8647-2-12-	0-L16822	74220	-0.17	935	32060	112	318	19.3	112	-2.6	7	1.9	49170	21.7	16510	66	0.5
16-45.3325-114.8500-2-12-	0-L16823	67130	-0.14	456	24000	334	190	10.6	91	2.4	11	2.2	34100	85.4	23290	169	1.0
16-45.3344-114.8458-2-12-	0-L16824	72890	-0.18	678	38690	163	345	21.6	171	-2.8	9	1.6	54440	58.3	13900	74	0.7
16-45.3256-114.8269-2-11-	0-L16825	75240	-0.19	730	23180	119	298	24.1	150	7.6	6	1.5	70930	20.9	25160	64	0.5
16-45.3239-114.8228-2-12-	0-L16826	75630	-0.10	1004	32980	129	-131	9.3	78	-1.5	6	1.6	27140	14.3	19460	59	0.4
16-45.3050-114.9425-2-11-	0-L16827	83170	-0.12	431	14870	170	215	7.4	28	3.8	11	1.6	27490	19.3	18000	96	0.9
16-45.3492-114.9517-2-12-	0-L16828	69440	-0.13	500	34350	193	-142	17.9	157	2.4	10	2.4	46520	94.6	12180	102	1.4
16-45.3492-114.9528-2-12-	0-L16829	85110	-0.13	610	17710	139	-146	6.0	25	4.9	9	1.2	27140	30.5	16200	105	1.0
16-45.3572-114.9333-2-12-	0-L16830	78250	-0.12	562	30590	141	252	12.6	106	3.8	7	1.3	38710	31.8	17860	90	0.8
16-45.2856-114.9450-2-11-	0-L16831	81920	-0.12	637	17290	64	407	4.7	43	-1.9	5	1.2	16590	10.4	17750	34	0.4
16-45.3003-115.0281-2-12-	0-L16832	79080	-0.11	619	18390	217	-141	5.2	17	4.0	11	0.8	21570	37.4	18150	118	1.0
16-45.2900-115.0286-2-12-	0-L16833	85370	-0.13	528	21880	224	-144	4.9	29	4.7	13	1.9	26190	117.2	16380	141	2.3
16-45.2859-115.0292-2-12-	0-L16834	81640	-0.11	-194	18910	349	-151	5.9	-10	4.5	11	1.4	25520	64.2	20860	174	1.5
16-45.2836-115.0297-2-12-	0-L16835	77870	-0.12	-156	18080	423	-153	6.1	37	3.8	16	1.6	23750	153.6	19360	248	3.0
16-45.2911-115.0361-2-12-	0-L16836	80290	-0.13	521	18280	181	216	4.0	23	3.7	10	1.2	21130	66.2	23010	124	1.6
16-45.2917-115.0367-2-12-	0-L16837	84050	-0.12	504	21570	130	-146	6.5	18	3.3	6	1.1	25060	29.2	18550	91	0.6
16-45.1344-115.1681-2-12-	0-L16838	68490	-0.10	823	14290	72	342	8.3	29	4.8	5	1.0	25540	6.1	19190	34	0.4
16-45.1392-115.1631-2-12-	0-L16839	77830	-0.13	713	19760	224	-147	9.8	65	3.5	19	2.1	34440	32.3	20020	95	1.5
16-45.1597-115.1300-2-12-	0-L16840	69630	-0.16	1473	32150	235	916	22.1	38	3.6	8	4.0	81280	10.5	19680	97	0.4
16-45.1722-115.1947-2-12-	0-L16841	67030	-0.15	615	18840	108	266	14.4	72	4.7	7	1.7	44360	10.2	19890	58	0.6
16-45.1636-115.2425-2-12-	0-L16842	67030	-0.13	619	28000	202	331	19.6	70	4.8	11	3.3	72470	27.6	18900	90	0.7
16-45.1581-115.2714-2-11-	0-L16843	64090	-0.14	-181	12090	132	286	26.4	80	6.0	10	2.3	71850	10.5	23290	56	0.5
16-45.1286-115.3231-2-12-	0-L16844	73940	-0.14	502	18540	125	-102	14.2	73	4.4	7	1.4	41240	7.2	16620	60	0.3

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.3553-	115.2469-	2-	12-		0-L16794	6738	936	24780	79	-3	9.4	11.5	-359	-2	-1	25.2	4104	45	8.8	140	0.844
16-	45.3558-	115.2478-	2-	12-		0-L16795	7209	616	25370	73	-2	10.2	13.6	429	-1	-1	23.6	4141	48	6.4	126	0.455
16-	45.3606-	115.2247-	2-	12-		0-L16796	7120	823	25040	101	-2	9.9	10.3	-261	3	-1	39.4	4479	59	7.7	138	0.673
16-	45.3717-	115.2061-	2-	12-		0-L16797	6068	552	25790	79	-2	10.7	12.6	-251	3	-1	36.3	4145	48	6.7	-109	0.375
16-	45.3733-	115.2072-	2-	12-		0-L16798	7498	795	23690	-47	-3	14.6	17.1	-356	-2	-1	38.7	4942	60	9.1	-55	0.701
16-	45.7761-	115.8819-	2-	12-		0-L16799	5590	520	28280	79	-2	7.5	13.6	336	-2	-1	29.0	3705	39	8.4	81	0.244
16-	45.7747-	115.8839-	2-	12-		0-L16800	4801	701	22510	66	-2	7.0	20.5	-239	-1	1	40.5	6980	50	7.5	54	0.201
16-	45.7739-	115.8914-	2-	12-		0-L16801	6859	387	22240	45	-1	3.5	10.7	-204	-1	1	18.4	2358	20	5.7	-29	0.211
16-	45.7747-	115.8917-	2-	12-		0-L16802	4875	659	22820	72	-2	8.4	15.8	-310	-2	-1	25.1	4141	53	7.7	94	0.263
16-	45.7750-	115.8969-	2-	12-		0-L16803	8309	641	26440	-36	-3	12.9	11.7	611	-1	-1	16.7	5646	72	5.7	112	0.307
16-	45.7819-	115.8764-	2-	99-		0-L16804	7852	1025	14470	-41	-4	12.5	14.2	-367	-2	1	21.9	5128	72	8.5	85	0.347
16-	45.8056-	115.8839-	2-	99-		0-L16805	10200	996	13800	135	-4	14.4	10.3	492	-1	-1	16.8	6730	87	5.0	-53	0.552
16-	45.8053-	115.8856-	2-	12-		0-L16806	8146	1086	15830	126	-3	13.5	15.7	-294	-2	2	25.0	6322	92	9.4	128	0.306
16-	45.8050-	115.8869-	2-	12-		0-L16807	7101	548	22830	49	-2	6.8	26.0	-240	2	2	47.6	4885	41	11.0	72	0.181
16-	45.6639-	115.8525-	2-	12-		0-L16808	11150	573	18850	-29	-3	5.0	4.9	-299	-1	-1	10.0	1717	22	4.5	-20	0.467
16-	45.6639-	115.8536-	2-	12-		0-L16809	18360	455	15470	-23	-2	6.0	6.6	-226	-1	-1	9.1	2375	30	5.3	45	0.433
16-	45.6689-	115.8617-	2-	11-		0-L16810	13890	476	19140	109	-3	7.6	6.3	603	-1		8.7	3037	46	3.9	-38	0.344
16-	45.6592-	115.8589-	2-	12-		0-L16811	18870	315	14470	58	-2	5.6	7.8	-230	-1	-1	12.7	2477	39	4.6	57	0.414
16-	45.6675-	115.8886-	2-	12-		0-L16812	8536	568	19100	-45	-4	7.7	7.4	-363	-1	-1	11.1	4365	47	4.9	79	0.432
16-	45.2828-	114.9417-	2-	12-		0-L16813	6681	2734	15170	-44	-4	10.0	7.0	-679	-2	-1	16.4	2751	37	-3.2	165	0.291
16-	45.2814-	114.9422-	2-	12-		0-L16814	-2144	768	16480	-37	-3	9.9	9.2	-304	-2	-1	22.6	2446	40	4.5	75	0.281
16-	45.2794-	114.9050-	2-	15-		0-L16815	-2578	856	25410	-39	-3	9.6	8.1	-341	-2	-1	18.3	3513	34	-1.7	113	0.551
16-	45.2819-	114.9028-	2-	12-		0-L16816	5119	719	21830	-40	-4	12.7	15.4	-354	-2	1	23.9	2965	37	8.9	-177	0.899
16-	45.3167-	114.8747-	2-	12-		0-L16817	13410	938	23750	-43	-4	16.6	15.6	-346	-2	-1	25.0	5363	85	6.4	-54	0.896
16-	45.3175-	114.8822-	2-	12-		0-L16818	7803	977	25090	102	-3	16.4	13.3	-288	-2	-1	26.1	5177	58	7.8	148	0.628
16-	45.3164-	114.8842-	2-	12-		0-L16819	4740	674	24810	74	-3	10.5	12.2	-275	-1	-1	30.6	3942	31	6.9	103	0.419
16-	45.3189-	114.8733-	2-	11-		0-L16820	-2761	605	18330	-53	-4	7.0	4.1	-410	-2	-1	10.5	2828	36	-2.8	97	0.896
16-	45.3211-	114.8722-	2-	12-		0-L16821	12760	1203	20580	85	-4	18.4	17.7	-375	-2	-1	18.8	4731	73	6.6	149	1.237
16-	45.3189-	114.8647-	2-	12-		0-L16822	19220	986	18140	-54	-4	19.3	10.3	-356	-2	-1	15.6	7366	103	-3.0	172	0.663
16-	45.3325-	114.8500-	2-	12-		0-L16823	10140	1075	22370	-43	-4	16.2	21.2	-337	-2	-1	49.0	6157	63	10.3	-59	0.364
16-	45.3344-	114.8458-	2-	12-		0-L16824	21550	1147	19690	-52	-5	24.2	13.4	-391	-2	-1	17.4	7376	110	8.5		0.649
16-	45.3256-	114.8269-	2-	11-		0-L16825	21550	1003	13390	-59	-5	22.7	11.6	-391	-1	-1	13.7	10380	160	-3.3	170	1.914
16-	45.3239-	114.8228-	2-	12-		0-L16826	9979	698	26270	61	-3	11.2	7.5	-261	3	-1	14.9	3974	63	6.0	99	1.059
16-	45.3050-	114.9425-	2-	11-		0-L16827	4774	1088	27570	115	-3	10.5	16.2	-375	3	-1	33.6	2933	30	8.5	-71	0.387
16-	45.3492-	114.9517-	2-	12-		0-L16828	17490	1259	21770	-50	-5	18.0	17.7	-414	-2	-1	55.2	8804	84	11.6	-59	0.528
16-	45.3492-	114.9528-	2-	12-		0-L16829	7320	749	27470	105	-3	7.9	15.7	-353	-1	-1	36.1	3439	47	9.2	-107	1.219
16-	45.3572-	114.9333-	2-	12-		0-L16830	14330	934	27960	-36	-3	14.2	12.6	-291	-1	-1	29.2	4875	78	8.6	83	0.986
16-	45.2856-	114.9450-	2-	11-		0-L16831	3623	448	22580	-37	-3	8.7	4.9	-299	-1	-1	8.6	2719	40	-2.0	88	0.428
16-	45.3003-	115.0281-	2-	12-		0-L16832	-2494	664	31020	115	-3	7.3	16.3	-335	4	-1	44.3	2728	25	11.4	-122	0.653
16-	45.2900-	115.0286-	2-	12-		0-L16833	7080	792	32900	-37	-3	10.6	16.7	-338	5	1	81.1	3403	38	19.4	144	0.480
16-	45.2839-	115.0292-	2-	12-		0-L16834	-2391	1109	29890	99	-3	8.5	16.6	-327	7	1	70.2	3109	35	14.1	109	0.405
16-	45.2836-	115.0297-	2-	12-		0-L16835	5276	945	31570	131	-3	9.7	25.8	-304	8	1	121.0	3378	43	27.7	-39	0.484
16-	45.2911-	115.0361-	2-	12-		0-L16836	4714	605	30910	97	-3	9.6	15.3	-325	5	-1	59.2	3051	42	13.2	80	0.797
16-	45.2917-	115.0367-	2-	12-		0-L16837	7043	830	31050	102	-3	9.1	10.4	-347	-1	-1	30.7	2632	50	9.5	85	1.095
16-	45.1344-	115.1681-	2-	12-		0-L16838	6244	984	13970	86	-3	7.4	7.4	-306	-1	-1	8.8	5564	57	3.6	119	1.569
16-	45.1392-	115.1631-	2-	12-		0-L16839	6759	599	26780	96	-3	12.7	20.3	-290	-2	2	46.9	3570	53	15.2	131	0.176
16-	45.1597-	115.1300-	2-	12-		0-L16840	17300	2223	20090	100	-4	15.1	13.1	-486	7	-1	10.2	13200	139	5.5	141	0.339
16-	45.1722-	115.1947-	2-	12-		0-L16841	11670	947	15760	96	-4	13.2	10.0	-353	3	-1	12.4	8153	120	4.8	104	0.767
16-	45.1636-	115.2425-	2-	12-		0-L16842	13940	1732	22720	122	7	14.1	14.2	-357	8	1	14.9	15900	149	7.0	180	0.611
16-	45.1581-	115.2714-	2-	11-		0-L16843	16040	1437	12230	143	-4	17.0	11.9	-367	3	-1	11.1	13250	162	4.9	211	0.938
16-	45.1286-	115.3231-	2-	12-		0-L16844	14360	707	13220	103	-4	11.6	8.5	-300	-1	-1	13.7	5559	81	5.0	-43	0.310

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																										U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.9017-	115.7131-	2-	11-		0-	L16845-	07/27/79-	12-	28-	7.6-	-	-	8.8-	6-	9-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	7.66
16-	45.9231-	115.7217-	2-	11-		0-	L16846-	07/27/79-	13-	29-	7.0-	-	-	8.3-	7-	12-	2-	6-	4-	6-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	3.23
16-	45.9297-	115.6764-	2-	12-		0-	L16847-	07/27/79-	14-	30-	12.3-	-	-	7.6-	7-	6-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	17.66
16-	45.9308-	115.6764-	2-	12-		0-	L16848-	07/27/79-	14-	30-	13.1-	-	-	7.3-	6-	11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	8.38
16-	45.8967-	115.6275-	2-	12-		0-	L16849-	07/27/79-	15-	30-	17.8-	-	-	7.2-	10-	11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	51.84
16-	45.8844-	115.6264-	2-	12-		0-	L16850-	07/27/79-	15-	30-	16.2-	-	-	7.2-	2-	11-	2-	6-	3-	3-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	18.85
16-	45.8381-	115.6425-	2-	12-		0-	L16851-	07/27/79-	16-	31-	15.4-	-	-	7.2-	8-	12-	2-	7-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	21.45
16-	45.8469-	115.6475-	2-	12-		0-	L16852-	07/27/79-	16-	30-	17.9-	-	-	7.1-	6-	7-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	14.54
16-	45.8275-	115.6264-	2-	12-		0-	L16853-	07/27/79-	16-	30-	17.6-	-	-	7.0-	8-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	16.43
16-	45.8244-	115.6322-	2-	12-		0-	L16854-	07/27/79-	17-	30-	18.8-	-	-	7.1-	26-	12-	2-	6-	2-	6-	2-	2-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	19.31
16-	45.8144-	115.6311-	2-	12-		0-	L16855-	07/27/79-	17-	30-	17.6-	-	-	7.1-	17-	14-	2-	6-	3-	5-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	8.52
16-	45.8128-	115.6486-	2-	12-		0-	L16856-	07/27/79-	17-	30-	15.8-	-	-	7.2-	8-	9-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	31.38
16-	45.8389-	115.6778-	2-	12-		0-	L16857-	07/27/79-	18-	29-	12.9-	-	-	7.7-	1-	5-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	13.62
16-	45.8072-	115.6942-	2-	12-		0-	L16858-	07/27/79-	18-	28-	15.7-	-	-	7.5-	11-	5-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	6.82
16-	45.7983-	115.7358-	2-	12-		0-	L16859-	07/27/79-	19-	28-	15.1-	-	-	7.2-	8-	9-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	12.18
16-	45.8033-	115.7022-	2-	12-		0-	L16860-	07/27/79-	19-	28-	15.1-	-	-	6.9-	16-	9-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	13.25
16-	45.8028-	115.6922-	2-	12-		0-	L16861-	07/27/79-	19-	27-	14.1-	-	-	6.9-	17-	21-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	7.11
16-	45.8061-	115.6822-	2-	12-		0-	L16862-	07/27/79-	19-	27-	15.9-	-	-	6.8-	11-	5-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	32.69
16-	45.7831-	115.9336-	2-	11-		0-	L16863-	07/27/79-	10-	24-	22.6-	C-	-	7.2-	128-	-2-	6-	5-	6-	1-	3-	2-	-1-	3-	3-	1-	-3-	-	-	-	-	-	3.12
16-	45.8183-	115.9381-	2-	12-		0-	L16864-	07/27/79-	11-	26-	13.5-	C-	-	7.4-	40-	-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	2.73
16-	45.8297-	115.9317-	2-	12-		0-	L16865-	07/27/79-	11-	27-	15.4-	C-	-	7.4-	43-	-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	2.26
16-	45.7981-	115.9636-	2-	11-		0-	L16866-	07/27/79-	12-	27-	16.3-	C-	-	7.3-	168-	-2-	6-	5-	6-	2-	2-	1-	-1-	3-	4-	1-	-3-	-	-	-	-	-	-	2.08
16-	45.7953-	115.9586-	2-	12-		0-	L16867-	07/27/79-	12-	27-	13.8-	C-	-	7.6-	37-	-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	2.27
16-	45.8008-	115.9803-	2-	12-		0-	L16868-	07/27/79-	12-	27-	10.9-	C-	-	7.5-	95-	-2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	1.75
16-	45.8247-	115.9436-	2-	11-		0-	L16869-	07/27/79-	13-	28-	25.3-	C-	-	7.2-	303-	-2-	6-	5-	1-	2-	2-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	-	2.63
16-	45.8308-	115.9425-	2-	12-		0-	L16870-	07/27/79-	13-	28-	14.0-	C-	-	7.8-	300-	-2-	6-	3-	1-	3-	3-	2-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	1.97
16-	45.8325-	115.9669-	2-	12-		0-	L16871-	07/27/79-	13-	28-	16.9-	C-	-	7.9-	250-	-2-	6-	3-	1-	2-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	1.34
16-	45.8381-	115.9900-	2-	15-		0-	L16872-	07/27/79-	13-	28-		-C-	-	-	-	-2-	6-	2-	1-	-1-	-2-	1-	4-	4-	1-	-1-	-	-	-	-	-	-	-	2.08
16-	45.8342-	115.9822-	2-	15-		0-	L16873-	07/27/79-	14-	28-		-C-	-	-	-	-2-	6-	3-	1-	-1-	-2-	1-	4-	4-	1-	-1-	-	-	-	-	-	-	-	1.67
16-	45.8333-	115.9781-	2-	15-		0-	L16874-	07/27/79-	14-	28-		-C-	-	-	-	-2-	6-	2-	1-	-1-	-2-	1-	4-	4-	1-	-1-	-	-	-	-	-	-	-	1.89
16-	45.8294-	115.9711-	2-	12-		0-	L16875-	07/27/79-	16-	28-	19.6-	C-	-	7.5-	135-	-2-	6-	2-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	2.23
16-	45.8306-	115.9261-	2-	12-		0-	L16876-	07/27/79-	16-	28-	20.9-	-	-	7.9-	54-	9-	2-	6-	1-	6-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	5.89
16-	45.8811-	115.9183-	2-	12-		0-	L16877-	07/27/79-	15-	28-	14.8-	-	-	7.8-	128-	9-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	4.99
16-	45.8908-	115.9222-	2-	15-		0-	L16878-	07/27/79-	15-	28-		-C-	-	-	-	8-	2-	6-	2-	1-	-1-	-2-	1-	3-	3-	1-	-3-	-	-	-	-	-	-	3.19
16-	45.9119-	115.9189-	2-	12-		0-	L16879-	07/27/79-	16-	28-	15.8-	-	-	7.7-	226-	17-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	7.82
16-	45.9108-	115.9089-	2-	15-		0-	L16880-	07/27/79-	16-	27-		-	-	-	-	6-	2-	6-	2-	1-	-1-	-2-	1-	3-	3-	1-	-1-	-	-	-	-	-	-	9.05
16-	45.9372-	115.8261-	2-	12-		0-	L16881-	07/27/79-	16-	27-	13.7-	-	-	7.8-	15-	8-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	3.91
16-	45.9364-	115.8258-	2-	12-		0-	L16882-	07/27/79-	17-	28-	14.9-	-	-	8.1-	17-	6-	2-	6-	3-	1-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	10.02
16-	45.9444-	115.8483-	2-	12-		0-	L16883-	07/27/79-	17-	28-	13.6-	-	-	7.6-	33-	5-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	5.29
16-	45.9136-	115.8717-	2-	12-		0-	L16884-	07/27/79-	17-	26-	14.3-	-	-	7.6-	27-	17-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	6.17
16-	45.8992-	115.8269-	2-	11-		0-	L16885-	07/27/79-	18-	25-	7.9-	-	-	8.1-	8-	19-	2-	6-	5-	8-	2-	2-	1-	-1-	4-	3-	1-	-1-	-	-	-	-	-	3.79
16-	45.9228-	115.8889-	2-	12-		0-	L16886-	07/27/79-	19-	24-	14.7-	-	-	7.6-	42-	4-	2-	6-	1-	7-	2-	2-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	4.17
16-	45.9236-	115.8900-	2-	12-		0-	L16887-	07/27/79-	19-	24-	14.8-	-	-	7.2-	114-	5-	2-	6-	2-	1-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	5.57
16-	45.9011-	115.9036-	2-	12-		0-	L16888-	07/27/79-	19-	24-	15.7-	-	-	7.8-	63-	8-	2-	6-	2-	1-	2-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	5.61
16-	45.9047-	115.8875-	2-	12-		0-	L16889-	07/27/79-	20-	22-	13.2-	-	-	7.5-	51-	12-	2-	6-	2-	1-	3-	3-	1-	2-	1-	5-	4-	1-	-1-	-	-	-	-	8.39
16-	45.9056-	115.8875-	2-	12-		0-	L16890-	07/27/79-	20-	22-	17.1-	-	-	7.6-	26-	9-	2-	6-	2-	1-	4-	3-	1-	2-	1-	5-	4-	1-	-1-	-	-	-	-	6.38
16-	45.8594-	115.9033-	2-	11-		0-	L16891-	07/27/79-	20-	20-	16.9-	C-	-	7.2-	139-	5-	2-	6-	5-	8-	2-	3-	1-	-1-	5-	4-	1-	-1-	-	-	-	-	-	3.46
16-	45.8275-	115.8783-	2-	12-		0-	L16892-	07/29/79-	11-	26-	15.1-	C-	-	7.7-	128-	-2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	7.21
16-	45.9522-	115.9697-	2-	12-		0-	L16893-	07/29/79-	12-	26-	19.4-	C-	-	7.8-	235-	-2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	5.09
16-	45.9597-	115.9575-	2-	12-		0-	L16894-	07/29/79-	12-	27-	16.2-	C-	-	8.1-	152-	-2-	6-	5-	8-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	5.87
16-	45.9533-	115.9291-	2-	12-		0-	L16895-	07/29/79-	12-	27-	15.9-	C-	-	8.1-	114-	-2-	6-	4-	6-	2-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	5.53

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LAB SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-45.9017-115.7131-2-11-	0-L16845	-5	9	-5	24	-20	-15	8	-10	-15	8	-5	431	2	21
16-45.9231-115.7217-2-11-	0-L16846	-5	6	-5	14	-20	-15	26	-10	-15	-5	-5	438	2	23
16-45.9297-115.6764-2-12-	0-L16847	-5	15	-5	12	-20	-15	-5	-10	-15	10	-5	776	1	12
16-45.9308-115.6764-2-12-	0-L16848	-5	14	-5	11	-20	19	-5	-10	18	12	-5	864	2	17
16-45.8967-115.6275-2-12-	0-L16849	5	41	-5	-10	-20	31	-5	-10	48	51	-5	2023	2	21
16-45.8944-115.6264-2-12-	0-L16850	-5	10	-5	19	-20	18	-5	-10	20	49	-5	918	2	18
16-45.8381-115.6425-2-12-	0-L16851	-5	24	-5	17	-20	27	-5	-10	23	135	-5	1030	2	33
16-45.8459-115.6475-2-12-	0-L16852	-5	16	-5	16	-20	-15	-5	-10	-15	38	-5	889	3	28
16-45.8275-115.6264-2-12-	0-L16853	-5	17	-5	17	-20	15	-5	-10	32	36	-5	1130	2	26
16-45.8244-115.6322-2-12-	0-L16854	-5	14	-5	14	-20	20	7	-10	19	46	-5	1131	2	27
16-45.8144-115.6311-2-12-	0-L16855	-5	6	-5	10	-20	19	8	-10	-15	7	-5	500	2	24
16-45.8138-115.6486-2-12-	0-L16856	5	40	-5	19	-20	32	41	13	79	163	-5	2842	2	13
16-45.8389-115.6778-2-12-	0-L16857	-5	14	-5	18	-20	-15	6	-10	-15	9	-5	909	3	21
16-45.8072-115.6942-2-12-	0-L16858	-5	11	-5	20	-20	-15	9	-10	-15	35	-5	633	3	25
16-45.7983-115.7358-2-12-	0-L16859	-5	14	-5	16	-20	15	-5	-10	-15	15	-5	460	3	23
16-45.8033-115.7022-2-12-	0-L16860	-5	14	-5	14	-20	-15	13	-10	-15	9	-5	504	3	31
16-45.8028-115.6922-2-12-	0-L16861	-5	10	-5	19	-20	16	-5	-10	-15	15	-5	723	2	30
16-45.8061-115.6822-2-12-	0-L16862	5	30	-5	-10	-20	24	-5	-10	38	33	-5	2612	2	23
16-45.7831-115.9336-2-11-	0-L16863	-5	-5	-5	31	-20	16	9	-10	18	7	-5	258	1	25
16-45.8183-115.9381-2-12-	0-L16864	-5	-5	-5	23	-20	15	5	-10	-15	-5	-5	231	-1	15
16-45.8297-115.9317-2-12-	0-L16865	-5	-5	-5	18	-20	-15	6	-10	-15	-5	-5	202	1	12
16-45.7981-115.9636-2-11-	0-L16866	-5	-5	-5	26	-20	25	-5	-10	-15	6	-5	142	-1	22
16-45.7953-115.9586-2-12-	0-L16867	-5	-5	-5	34	-20	-15	-5	-10	-15	8	-5	169	1	26
16-45.8008-115.9803-2-12-	0-L16868	-5	-5	-5	32	-20	-15	-5	-10	-15	-5	-5	103	-1	17
16-45.8247-115.9436-2-11-	0-L16869	-5	-5	-5	73	-20	56	-5	-10	-15	15	-5	143	1	28
16-45.8308-115.9425-2-12-	0-L16870	-5	-5	-5	32	-20	-15	-5	-10	-15	-5	-5	144	-1	20
16-45.8325-115.9669-2-12-	0-L16871	-5	-5	-5	43	-20	16	-5	-10	-15	6	-5	121	2	16
16-45.8381-115.9900-2-15-	0-L16872	-5	-5	-5	30	-20	-15	12	-10	-15	-5	-5	147	2	19
16-45.8342-115.9822-2-15-	0-L16873	-5	-5	-5	36	-20	31	-5	-10	-15	10	-5	118	-1	14
16-45.8333-115.9781-2-15-	0-L16874	-5	-5	-5	46	-20	34	-5	-10	-15	-5	-5	126	-1	22
16-45.8294-115.9711-2-12-	0-L16875	-5	-5	-5	35	-20	-15	-5	-10	-15	5	-5	170	-1	14
16-45.8306-115.9261-2-12-	0-L16876	-5	6	-5	27	-20	26	-5	-10	-15	10	-5	450	1	21
16-45.8811-115.9183-2-12-	0-L16877	-5	9	-5	24	-20	-15	-5	-10	15	6	-5	560	2	16
16-45.8908-115.9222-2-15-	0-L16878	-5	-5	-5	28	-20	19	11	-10	-15	6	-5	261	1	21
16-45.9119-115.9189-2-12-	0-L16879	-5	-5	-5	16	-20	15	11	-10	-15	-5	-5	527	3	18
16-45.9108-115.9089-2-15-	0-L16880	-5	5	-5	15	-20	-15	9	-10	-15	-5	-5	531	2	15
16-45.9372-115.8261-2-12-	0-L16881	-5	9	-5	15	-20	15	15	-10	-15	-5	-5	256	2	22
16-45.9364-115.8258-2-12-	0-L16882	-5	17	-5	-10	-20	16	-5	-10	-15	10	-5	874	1	16
16-45.9444-115.8483-2-12-	0-L16883	-5	5	-5	17	-20	17	6	-10	-15	-5	-5	359	2	24
16-45.9136-115.8717-2-12-	0-L16884	-5	-5	-5	23	-20	22	5	-10	-15	5	-5	301	2	23
16-45.8992-115.8269-2-11-	0-L16885	-5	-5	-5	23	-20	-15	11	-10	-15	-5	-5	202	2	27
16-45.9228-115.8889-2-12-	0-L16886	-5	-5	-5	16	-20	-15	9	-10	-15	-5	-5	461	2	13
16-45.9236-115.8900-2-12-	0-L16887	-5	9	-5	-10	-20	-15	8	-10	-15	7	-5	466	3	28
16-45.9011-115.9036-2-12-	0-L16888	-5	6	-5	21	-20	-15	-5	-10	-15	6	-5	466	2	14
16-45.9047-115.8875-2-12-	0-L16889	-5	9	-5	12	-20	-15	-5	-10	-15	6	-5	516	3	28
16-45.9056-115.8875-2-12-	0-L16890	-5	9	-5	23	-20	-15	-5	-10	-15	6	-5	387	2	18
16-45.8594-115.9033-2-11-	0-L16891	-5	-5	-5	22	-20	-15	10	-10	-15	-5	-5	110	1	9
16-45.8275-115.8783-2-12-	0-L16892	-5	-5	-5	50	-20	-15	11	-10	-15	-5	-5	380	2	18
16-45.9522-115.9697-2-12-	0-L16893	-5	-5	-5	10	-20	-15	6	-10	17	5	-5	484	2	16
16-45.9597-115.9575-2-12-	0-L16894	-5	-5	-5	23	-20	-15	-5	-10	22	9	-5	767	1	14
16-45.9533-115.9297-2-12-	0-L16895	-5	-5	-5	11	-20	-15	7	-10	-15	6	-5	501	2	22

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.9017-	115.7131-	2-	11-		0-L16835	79970	-0.16	655	15430	374	351	13.1	77	3.2	21	3.0	43350	21.6	19090	162	1.3
16-	45.9231-	115.7217-	2-	11-		0-L16836	74560	-0.13	671	22050	105	391	9.3	44	-2.0	6	1.5	25650	13.9	15300	39	0.5
16-	45.9297-	115.6764-	2-	12-		0-L16837	71120	-0.13	784	19540	832	226	10.6	76	-2.0	45	5.2	33710	51.2	15680	359	2.8
16-	45.9308-	115.6764-	2-	12-		0-L16838	65370	-0.11	742	20090	442	-110	10.6	56	-2.2	24	3.4	33020	38.1	17390	195	1.5
16-	45.8967-	115.6275-	2-	12-		0-L16839	67250	1.88	494	15570	2881	-113	13.1	139	-2.4	131	9.3	38320	71.7	19580	1206	7.7
16-	45.8844-	115.6264-	2-	12-		0-L16840	79650	-0.09	874	9710	636	163	10.4	57	2.7	45	3.4	30390	38.3	16930	278	2.7
16-	45.8381-	115.6425-	2-	12-		0-L16841	76920	0.32	845	7617	774	-99	11.9	78	6.1	61	4.4	33920	57.9	25170	334	4.4
16-	45.8469-	115.6475-	2-	12-		0-L16842	80290	-0.11	887	11420	467	-104	10.7	66	4.8	32	2.7	29230	41.5	24980	194	2.4
16-	45.8275-	115.6264-	2-	12-		0-L16843	73370	-0.09	801	13620	589	124	8.6	50	5.5	41	3.3	24900	48.5	19530	246	3.0
16-	45.8244-	115.6322-	2-	12-		0-L16844	93450	-0.10	803	11560	503	-104	10.7	68	3.2	45	2.8	33110	39.7	29860	208	2.8
16-	45.8144-	115.6311-	2-	12-		0-L16845	87090	-0.09	660	17510	267	-145	9.4	38	2.9	19	2.6	26030	19.8	18300	117	1.3
16-	45.8128-	115.6486-	2-	12-		0-L16846	63460	3.80	598	14650	1515	-104	11.5	83	4.6	74	7.3	39800	98.6	18010	637	4.4
16-	45.8389-	115.6778-	2-	12-		0-L16847	83960	-0.11	738	17100	372	-136	6.9	34	-2.1	27	2.3	21760	41.8	17580	156	2.1
16-	45.8072-	115.6942-	2-	12-		0-L16848	91950	0.35	937	22730	232	-128	9.2	38	3.2	15	2.2	29630	21.4	18030	106	1.0
16-	45.7983-	115.7358-	2-	12-		0-L16849	76330	-0.09	527	20990	553	-151	12.5	41	-1.9	28	3.5	39050	23.3	12780	228	1.8
16-	45.8033-	115.7022-	2-	12-		0-L16850	85040	-0.11	630	20690	423	-146	8.8	33	2.2	25	2.9	26450	24.5	17020	192	1.5
16-	45.8028-	115.6922-	2-	12-		0-L16851	76720	-0.10	777	20920	449	-127	9.5	44	4.4	21	3.9	31610	35.5	13430	193	1.3
16-	45.8061-	115.6822-	2-	12-		0-L16852	73020	0.89	937	16490	1270	-108	8.8	76	-1.9	64	7.5	34100	131.9	19780	533	4.7
16-	45.7831-	115.9336-	2-	11-		0-L16863	88260	-0.11	687	10260	74	-154	13.3	46	-2.4	5	1.1	42130	9.2	18250	45	0.3
16-	45.8183-	115.9381-	2-	12-		0-L16864	73020	-0.10	805	25090	65	-122	10.4	47	-2.2	7	1.5	40700	9.4	11030	31	0.5
16-	45.8297-	115.9317-	2-	12-		0-L16865	73460	-0.09	723	31430	60	-116	10.2	54	-1.8	6	1.4	33020	7.5	10910	29	0.5
16-	45.7981-	115.9636-	2-	11-		0-L16866	73930	-0.09	618	25170	28	-115	13.1	47	3.2	6	1.2	34620	4.3	14040	15	0.5
16-	45.7953-	115.9586-	2-	12-		0-L16867	74930	-0.10	785	28750	56	-149	11.4	50	-2.2	6	1.6	37660	6.6	10790	26	0.5
16-	45.8008-	115.9803-	2-	12-		0-L16868	63050	-0.09	733	31760	31	-97	7.4	34	-1.9	5	1.0	28130	3.0	5559	11	0.3
16-	45.8247-	115.9436-	2-	11-		0-L16869	69490	-0.13	795	30310	57	-109	35.6	211	-2.8	5	1.4	65190	5.3	18810	26	0.3
16-	45.8308-	115.9425-	2-	12-		0-L16870	69760	-0.08	567	29000	40	-115	12.3	56	-1.9	5	1.0	44820	4.2	10770	18	0.6
16-	45.8325-	115.9369-	2-	12-		0-L16871	67270	-0.07	625	29960	25	-113	12.2	74	-1.6	4	0.9	33160	4.1	9683	10	0.3
16-	45.8381-	115.9900-	2-	15-		0-L16872	70160	-0.10	1044	30550	45	-126	10.8	36	-2.0	6	1.3	34130	5.3	12410	21	0.3
16-	45.8342-	115.9822-	2-	15-		0-L16873	66940	-0.10	534	35350	30	-112	12.5	98	-2.1	6	1.4	42160	3.6	8049	12	0.5
16-	45.8333-	115.9781-	2-	15-		0-L16874	66640	-0.09	718	30040	36	-116	12.2	94	-1.9	6	1.3	41400	4.1	11010	18	0.5
16-	45.8294-	115.9711-	2-	12-		0-L16875	65250	-0.08	830	25470	34	-101	14.8	61	-1.7	6	1.3	45490	6.4	9840	20	0.4
16-	45.8306-	115.9261-	2-	12-		0-L16876	75490	-0.10	860	20980	214	-109	13.0	44	-2.1	12	2.1	38620	18.9	17970	97	0.9
16-	45.8811-	115.9183-	2-	12-		0-L16877	83040	-0.09	865	24000	208	-112	12.0	39	-1.9	8	2.4	34460	17.5	15250	97	0.4
16-	45.8908-	115.9222-	2-	15-		0-L16878	79370	-0.08	893	17030	71	-112	12.6	54	-1.8	6	1.4	38000	8.7	14440	36	0.4
16-	45.9119-	115.9189-	2-	12-		0-L16879	74880	-0.08	831	25780	305	-134	9.5	41	-1.6	14	2.4	26000	30.2	20600	144	0.9
16-	45.9108-	115.9089-	2-	15-		0-L16880	63200	-0.07	777	16420	258	-97	8.4	35	2.1	11	1.6	20060	31.4	15700	116	0.9
16-	45.9372-	115.8261-	2-	12-		0-L16881	88100	-0.08	729	16660	147	-129	9.7	30	2.6	8	2.1	28760	9.6	13340	69	0.5
16-	45.9364-	115.8258-	2-	12-		0-L16882	74750	-0.08	744	24920	594	279	11.9	59	-1.7	26	4.5	38960	35.0	15190	262	1.7
16-	45.9444-	115.8483-	2-	12-		0-L16883	75470	-0.09	771	18720	172	-129	12.2	40	-1.9	11	2.1	32560	13.6	9686	78	0.8
16-	45.9136-	115.8717-	2-	12-		0-L16884	85520	-0.10	773	18720	205	-130	11.7	54	-2.0	12	1.9	35900	13.2	17630	95	0.8
16-	45.8992-	115.8769-	2-	11-		0-L16885	91990	-0.09	923	19460	139	257	7.1	-10	3.0	7	1.7	21320	7.2	14610	70	0.4
16-	45.9228-	115.8889-	2-	12-		0-L16886	85930	-0.07	963	27920	156	-101	12.8	30	-1.5	10	2.1	30990	17.1	15530	78	0.6
16-	45.9236-	115.8900-	2-	12-		0-L16887	79620	-0.08	755	28560	140	-122	8.6	24	-1.6	8	2.1	28420	19.6	13370	62	0.5
16-	45.9011-	115.9036-	2-	12-		0-L16888	81110	-0.10	881	18010	217	-115	12.0	30	-2.1	11	2.2	34510	18.4	13990	95	0.6
16-	45.9047-	115.8875-	2-	12-		0-L16889	81170	0.34	626	22630	318	208	11.7	46	-2.0	15	2.4	37880	24.4	13810	136	1.2
16-	45.9056-	115.8875-	2-	12-		0-L16890	85260	-0.08	773	21040	234	189	10.4	51	2.3	13	2.0	30280	16.0	12880	109	0.8
16-	45.8594-	115.9033-	2-	11-		0-L16891	50900	-0.12	735	20090	101	-120	6.7	-13	-2.2	7	1.5	21640	5.1	11290	50	0.3
16-	45.8275-	115.8783-	2-	12-		0-L16892	72810	-0.10	429	23160	180	-109	16.7	63	3.2	11	2.2	37470	17.3	18900	74	0.8
16-	45.9522-	115.9697-	2-	12-		0-L16893	77310	-0.09	834	38670	85	-127	9.3	50	-1.7	7	1.9	36650	22.2	10910	37	0.5
16-	45.9597-	115.9575-	2-	12-		0-L16894	77820	-0.10	830	37460	99	-121	10.1	63	-2.1	6	1.8	36350	31.4	13250	46	0.6
16-	45.9533-	115.9297-	2-	12-		0-L16895	80050	-0.08	859	36510	85	-113	7.8	22	-1.7	7	2.0	30900	26.6	13430	43	0.5

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.9017-115.7131-2-11-	0-L16845	9644	865	17880	134	-4	12.5	33.5	-359	-2	2	58.3	9876	94	14.4	-52	0.131
16-45.9231-115.7217-2-11-	0-L16846	5884	881	22150	-41	-3	8.7	7.9	-305	-1	-1	15.7	4597	65	5.3	-88	0.206
16-45.9297-115.6764-2-12-	0-L16847	7653	771	19080	-46	-3	10.5	72.4	-295	-2	5	148.5	9137	77	31.0	57	0.119
16-45.9308-115.6764-2-12-	0-L16848	5327	667	16020	-44	-3	10.9	36.9	-299	-2	2	72.9	7413	73	17.1	-49	0.122
16-45.8967-115.6275-2-12-	0-L16849	7100	1115	19510	-52	-3	12.3	233.8	-326	6	15	452.2	16690	79	86.3		0.115
16-45.8344-115.6264-2-12-	0-L16850	5396	612	9643	75	-2	10.6	52.0	-230	-2	5	132.0	8378	77	30.9	104	0.143
16-45.8381-115.6425-2-12-	0-L16851	6564	593	10190	150	3	11.7	74.0	-241	-2	6	153.9	6344	68	53.5	102	0.117
16-45.8469-115.6475-2-12-	0-L16852	6153	476	14970	145	-3	11.5	42.1	-272	-2	4	98.6	5446	72	28.3	129	0.147
16-45.8275-115.6264-2-12-	0-L16853	4262	464	16090	91	-2	10.4	61.1	-242	3	4	121.9	7328	58	34.5	143	0.135
16-45.8244-115.6322-2-12-	0-L16854	5587	540	13520	159	-3	12.1	41.3	-235	-2	4	117.6	5885	81	33.8	88	0.164
16-45.8144-115.6311-2-12-	0-L16855	4542	519	25350	-41	-2	9.5	24.0	451	-2	2	49.1	4834	54	14.8	101	0.174
16-45.8128-115.6486-2-12-	0-L16856	4005	781	14010	153	-3	10.4	132.8	-315	-3	9	262.3	9367	92	50.5	233	0.120
16-45.8389-115.6778-2-12-	0-L16857	5636	475	25980	-40	-3	8.2	37.2	-325	-2	2	81.7	5103	50	24.4	81	0.167
16-45.8072-115.6942-2-12-	0-L16858	7200	427	26720	103	-2	10.8	18.0	-259	-2	2	39.9	5575	74	10.3	325	0.171
16-45.7983-115.7358-2-12-	0-L16859	5669	903	25000	-42	-2	10.8	45.1	-315	-2	3	88.4	8535	75	21.8	84	0.138
16-45.8033-115.7022-2-12-	0-L16860	6009	644	26300	-42	-3	8.8	31.1	-354	-2	3	75.5	5341	52	17.9	-32	0.175
16-45.8028-115.6922-2-12-	0-L16861	7321	699	22260	-41	-3	11.2	42.2	-315	-2	3	67.0	8073	81	14.1	-46	0.106
16-45.8061-115.6822-2-12-	0-L16862	5139	665	19070	-41	-3	12.2	95.6	-245	-3	7	212.3	8371	94	48.7	142	0.154
16-45.7831-115.9336-2-11-	0-L16863	11320	798	20000	-49	-3	16.1	6.1	-335	-2	-1	13.3	4069	107	3.7	138	0.235
16-45.8183-115.9381-2-12-	0-L16864	9736	985	21860	-39	-3	20.7	6.0	-330	-1	-1	6.1	5506	130	6.5	-45	0.448
16-45.8297-115.9317-2-12-	0-L16865	9827	844	24380	-31	-2	17.5	6.1	495	-1	-1	5.7	4304	119	4.0	113	0.396
16-45.7981-115.9636-2-11-	0-L16866	9537	706	20570	-35	-2	20.4	4.2	-250	-1	-1	3.5	4423	125	5.4	98	0.594
16-45.7953-115.9586-2-12-	0-L16867	9319	911	21220	-43	-3	18.5	5.9	416	-1	-1	4.7	3495	114	4.1	124	0.483
16-45.8008-115.9803-2-12-	0-L16868	8545	583	17280	-32	-2	17.4	3.0	434	-1	-1	2.0	4962	101	3.9	-40	0.875
16-45.8247-115.9436-2-11-	0-L16869	26900	1208	12330	-52	-3	30.2	5.4	-364	-2	-1	6.7	4972	263	4.8	177	0.393
16-45.8308-115.9425-2-12-	0-L16870	11850	1082	22810	-33	-2	25.3	4.6	-261	-1	-1	4.2	4710	156	5.9	-137	0.469
16-45.8325-115.9669-2-12-	0-L16871	9104	649	21550	-31	-2	16.2	3.5	-228	-1		2.5	3243	106	3.0	148	0.536
16-45.8381-115.9900-2-15-	0-L16872	8840	831	22630	-39	-3	14.4	4.7	-327	-1	-1	4.5	3811	96	3.8	-28	0.462
16-45.8342-115.9822-2-15-	0-L16873	12400	975	21740	-36	-3	24.9	5.1	-296	-1	-1	2.5	4476	148	5.3	-42	0.669
16-45.8333-115.9781-2-15-	0-L16874	10340	998	21250	-34	-2	21.9	4.6	-266	-1	-1	3.7	4669	148	4.5	197	0.511
16-45.8294-115.9711-2-12-	0-L16875	5580	783	14020	-34	-2	18.5	4.4	458	-1		4.3	6678	177	4.4	89	0.519
16-45.8306-115.9261-2-12-	0-L16876	6644	746	16710	-42	-3	13.0	16.8	-307	-2	-1	30.4	10160	133	9.4	-46	0.194
16-45.8811-115.9183-2-12-	0-L16877	7063	903	16980	93	-2	11.2	17.4	-309	-1	-1	24.2	6355	83	7.6		0.206
16-45.8908-115.9222-2-15-	0-L16878	6093	937	16100	-38	-2	14.6	6.5	-277	-1	-1	9.3	5599	126	4.8	-101	0.343
16-45.9119-115.9189-2-12-	0-L16879	8952	806	21810	66	-2	9.0	23.3	-282	-2	2	49.4	3354	49	10.0	117	0.158
16-45.9108-115.9089-2-15-	0-L16880	5125	619	17650	-29	-2	6.5	16.6	-253	-1	1	40.0	3730	66	10.5	72	0.226
16-45.9372-115.8261-2-12-	0-L16881	5827	770	25760	-32	-2	9.1	12.9	-321	-1	-1	21.6	4780	57	7.3	112	0.181
16-45.9364-115.8258-2-12-	0-L16882	9216	873	20880	-37	-2	11.7	42.7	-255	-2	3	88.5	11750	92	18.0	141	0.113
16-45.9444-115.8483-2-12-	0-L16883	7865	893	15370	99	-2	10.2	15.4	-298	-2	1	22.9	5508	76	8.6	111	0.231
16-45.9136-115.8717-2-12-	0-L16884	5563	927	22920	95	-3	10.7	16.9	-346	-2	-1	30.6	5458	80	7.4	75	0.202
16-45.8992-115.8269-2-11-	0-L16885	5554	419	29590	-33	-2	7.9	11.9	814	-1	-1	17.1	3973	45	3.8	-69	0.222
16-45.9228-115.8889-2-12-	0-L16886	13050	775	13970	109	-2	9.6	12.0	-246	-1	-1	19.2	4809	78	4.7	107	0.217
16-45.9236-115.8900-2-12-	0-L16887	10920	600	20380	97	-2	9.1	12.0	551	-1	-1	18.3	5105	74	5.7	100	0.304
16-45.9011-115.9036-2-12-	0-L16888	7238	1043	14830	59	-3	11.9	17.1	-349	-2	-1	27.2	6560	71	8.2	76	0.206
16-45.9047-115.8875-2-12-	0-L16889	6760	1073	20910	-36	-3	11.4	29.4	-351	-2	2	45.0	7963	77	11.7	112	0.186
16-45.9056-115.8875-2-12-	0-L16890	7944	673	20580	81	-2	9.9	16.3	410	-2	2	34.4	5903	71	9.0	-35	0.185
16-45.8594-115.9033-2-11-	0-L16891	4830	283	6957	-53	-3	7.0	7.5	-274	-2	-1	9.3	2476	60	-2.0		0.372
16-45.8275-115.8783-2-12-	0-L16892	7636	947	15470	-39	-3	12.4	12.1	-327	-2	-1	21.1	9217	105	7.4	178	0.342
16-45.9522-115.9697-2-12-	0-L16893	9040	719	25290	61	-2	15.4	9.0	546	-1	-1	13.0	4892	105	5.4	-31	0.392
16-45.9597-115.9575-2-12-	0-L16894	6600	709	24500	-37	-3	18.3	7.6	-303	-1	-1	10.9	4809	113	5.1	-47	0.539
16-45.9533-115.9297-2-12-	0-L16895	9059	657	25110	-31	-2	13.6	9.0	634	-1	-1	11.1	5258	82	4.5	81	0.498

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (cu, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.9636-	115.9094-	2-	12-		0-L16896-	07/29/79-	13-	27-	14.6-	C-	-	8.2-	56-		-2-	6-	5-	8-	2-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	5.77
16-	45.9692-	115.9156-	2-	11-		0-L16897-	07/29/79-	13-	28-	22.6-	C-	-	7.6-	173-		-2-	6-	5-	8-	2-	2-	1-	-1-	3-	3-	1-	-1-	-1-	-	-	-	-	-	1.52
16-	45.9783-	115.8800-	2-	11-		0-L16898-	07/29/79-	13-	28-	5.4-	C-	-	8.0-	51-		-2-	6-	5-	8-	2-	2-	1-	-1-	4-	4-	1-	-1-	-1-	-	-	-	-	-	4.07
16-	45.9786-	115.8519-	2-	12-		0-L16899-	07/29/79-	13-	28-	10.8-	C-	-	7.5-	57-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	4.13
16-	45.9944-	115.8283-	2-	12-		0-L16900-	07/29/79-	14-	28-	12.1-	C-	-	7.8-	17-		-2-	6-	2-	6-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	4.39
16-	45.9678-	115.7833-	2-	11-		0-L16901-	07/29/79-	14-	28-	18.2-	C-	-	7.5-	52-		-2-	6-	5-	8-	2-	3-	1-	-1-	4-	4-	1-	-1-	-1-	-	-	-	-	-	3.08
16-	45.9678-	115.7825-	2-	12-		0-L16902-	07/29/79-	15-	28-	14.7-	C-	-	8.1-	15-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	5.45
16-	45.9831-	115.7936-	2-	11-		0-L16903-	07/29/79-	15-	27-	11.2-	C-	-	7.6-	10-		-2-	6-	5-	6-	2-	3-	1-	-1-	4-	4-	1-	-1-	-1-	-	-	-	-	-	6.78
16-	45.9833-	115.8031-	2-	12-		0-L16904-	07/29/79-	16-	27-	12.9-	C-	-	7.9-	12-		-2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	7.76
16-	45.9883-	115.8803-	2-	12-		0-L16905-	07/29/79-	16-	27-	10.8-	C-	-	7.5-	56-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	6.39
16-	45.9778-	115.9417-	2-	12-		0-L16906-	07/29/79-	17-	26-	21.1-	C-	-	7.8-	150-		-2-	6-	2-	1-	2-	3-	1-	2-	1-	3-	3-	1-	-9-	-	-	-	-	-	3.43
16-	45.9900-	115.9606-	2-	12-		0-L16907-	07/29/79-	17-	26-	20.4-	C-	-	7.9-	255-		-2-	6-	2-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	1.57
16-	45.9969-	115.9211-	2-	12-		0-L16908-	07/29/79-	18-	26-	10.0-	C-	-	8.1-	60-		-2-	6-	2-	1-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	4.24
16-	45.9914-	115.9667-	2-	12-		0-L16909-	07/29/79-	19-	25-	18.4-	C-	-	7.9-	173-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	3.62
16-	45.8233-	115.8885-	2-	12-		0-L16910-	07/30/79-	20-	24-	17.6-	-	-	8.5-	17-		19-	2-	7-	1-	7-	4-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	11.61
16-	45.9144-	115.9989-	2-	12-		0-L16911-	07/29/79-	18-	25-	18.9-	C-	-	8.1-	185-		-2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	1.95
16-	45.6756-	115.8375-	2-	12-		0-L16912-	07/29/79-	13-	27-	14.7-	-	-	8.4-	19-		12-	2-	7-	1-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	5.74
16-	45.8114-	115.8100-	2-	12-		0-L16913-	07/27/79-	11-	33-	12.3-	-	-	7.8-	28-		10-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	5.97
16-	45.8172-	115.8175-	2-	12-		0-L16914-	07/27/79-	11-	33-	13.7-	C-	-	7.7-	33-		3-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-9-	-	-	-	-	20.19
16-	45.8344-	115.8072-	2-	12-		0-L16915-	07/27/79-	11-	32-	13.5-	-	-	7.3-	92-		5-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	5.54
16-	45.8461-	115.8231-	2-	11-		0-L16916-	07/27/79-	12-	33-	9.4-	C-	-	7.9-	21-		10-	2-	6-	5-	8-	2-	2-	1-	-1-	2-	3-	1-	-3-	-	-	-	-	-	8.41
16-	45.8608-	115.8556-	2-	12-		0-L16917-	07/27/79-	12-	33-	14.2-	-	-	7.0-	32-		16-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	6.88
16-	45.8606-	115.8547-	2-	12-		0-L16918-	07/27/79-	13-	33-	12.7-	-	-	7.3-	29-		14-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	6.57
16-	45.8700-	115.8072-	2-	12-		0-L16919-	07/27/79-	14-	34-	15.8-	C-	-	6.8-	24-		6-	2-	5-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	8.77
16-	45.8675-	115.8031-	2-	12-		0-L16920-	07/27/79-	14-	34-	14.0-	-	-	6.7-	24-		11-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	7.58
16-	45.8567-	115.8025-	2-	12-		0-L16921-	07/27/79-	15-	34-	14.8-	-	-	6.7-	24-		6-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	11.65
16-	45.8475-	115.8056-	2-	12-		0-L16922-	07/27/79-	15-	34-	14.5-	-	-	6.8-	35-		12-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	6.51
16-	45.8200-	115.8261-	2-	12-		0-L16923-	07/27/79-	15-	35-	19.5-	-	-	6.4-	48-		14-	2-	6-	4-	6-	2-	2-	1-	2-	2-	2-	3-	1-	-1-	-	-	-	-	6.51
16-	45.8336-	115.8564-	2-	12-		0-L16924-	07/27/79-	16-	34-	19.4-	-	-	7.5-	43-		14-	2-	7-	4-	6-	2-	2-	1-	2-	2-	4-	3-	1-	-1-	-	-	-	-	5.67
16-	45.8336-	115.8583-	2-	12-		0-L16925-	07/27/79-	16-	34-	19.1-	-	-	7.3-	34-		20-	2-	7-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	5.76
16-	45.8219-	115.8594-	2-	15-		0-L16926-	07/27/79-	17-	35-		-C-	-	-	-			-2-	7-	4-	6-		-1-		-2-	2-	3-	3-	1-	-1-	-	-	-	-	10.60
16-	45.8169-	115.8356-	2-	12-		0-L16927-	07/27/79-	17-	35-	15.9-	C-	-	6.9-	17-			-2-	7-	4-	6-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	21.53
16-	45.7942-	115.7764-	2-	12-		0-L16928-	07/27/79-	18-	34-	16.3-	C-	-	6.4-	16-			-2-	7-	4-	6-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	7.02
16-	45.7947-	115.7628-	2-	12-		0-L16929-	07/27/79-	18-	33-	17.7-	C-	-	6.4-	11-			-2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	12.93
16-	45.7408-	115.5247-	2-	12-		0-L16930-	07/30/79-	11-	33-	14.9-	-	-	6.7-	28-		12-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	6.46
16-	45.7172-	115.5456-	2-	12-		0-L16931-	07/30/79-	11-	34-	14.0-	-	-	7.1-	26-		10-	2-	6-	4-	6-	2-	2-	1-	2-	2-	1-	2-	1-	-1-	-	-	-	-	7.42
16-	45.7136-	115.5378-	2-	12-		0-L16932-	07/30/79-	12-	34-	11.5-	-	-	6.5-	19-		16-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	17.93
16-	45.7014-	115.5361-	2-	12-		0-L16933-	07/30/79-	12-	34-	10.5-	-	-	7.1-	20-		27-	2-	6-	4-	6-	2-	2-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	13.41
16-	45.6961-	115.5519-	2-	12-		0-L16934-	07/30/79-	13-	33-	12.1-	-	-	7.3-	20-		10-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	13.56
16-	45.6942-	115.5467-	2-	12-		0-L16935-	07/30/79-	13-	33-	13.7-	-	-	7.2-	25-		9-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	8.21
16-	45.6914-	115.5647-	2-	12-		0-L16936-	07/30/79-	13-	35-	11.7-	-	-	6.7-	17-		6-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	9.92
16-	45.6886-	115.5622-	2-	12-		0-L16937-	07/30/79-	14-	34-	12.3-	-	-	7.1-	29-		18-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	12.04
16-	45.6678-	115.5736-	2-	11-		0-L16938-	07/30/79-	14-	35-	11.3-	-	-	7.1-	24-		8-	2-	6-	4-	6-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	4.71
16-	45.6858-	115.5711-	2-	12-		0-L16939-	07/30/79-	14-	32-	13.1-	-	-	7.4-	19-		10-	2-	6-	4-	1-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	17.67
16-	45.6742-	115.5428-	2-	12-		0-L16940-	07/30/79-	15-	32-	12.3-	-	-	7.2-	21-		12-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	9.79
16-	45.6264-	115.5139-	2-	12-		0-L16941-	07/30/79-	16-	32-	15.4-	-	-	7.2-	19-		10-	2-	6-	4-	6-	3-	3-	1-	2-	4-	3-	2-	2-	-1-	-	-	-	-	15.55
16-	45.6222-	115.5144-	2-	12-		0-L16942-	07/30/79-	16-	32-	14.2-	-	-	6.9-	17-		7-	2-	4-	5-	6-	3-	3-	1-	2-	4-	3-	2-	1-	-1-	-	-	-	-	6.55
16-	45.6217-	115.5125-	2-	12-		0-L16943-	07/30/79-	16-	32-	13.6-	-	-	6.8-	15-		16-	2-	1-	5-	6-	3-	3-	1-	2-	4-	3-	2-	1-	-1-	-	-	-	-	9.60
16-	45.6078-	115.5506-	2-	11-		0-L16944-	07/30/79-	17-	32-	5.3-	-	-	7.4-	12-		6-	2-	6-	5-	6-	2-	2-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	2.51
16-	45.6100-	115.5117-	2-	12-		0-L16945-	07/30/79-	18-	32-	10.1-	-	-	6.7-	15-		8-	2-	4-	4-	6-	3-	3-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	4.20
16-	45.5792-	115.5269-	2-	12-		0-L16946-	07/30/79-	18-	30-	11.8-	-	-	6.4-	15-		6-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	7.40

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.9636-	115.9094-	2-	12-	0-	L16896	-5	5	-5	-10	-20	-15	9	-10	-15	-5	-5	451	2	17
16-	45.9692-	115.9156-	2-	11-	0-	L16897	-5	6	-5	32	-20	15	5	-10	-15	5	-5	142	-1	11
16-	45.9783-	115.8800-	2-	11-	0-	L16898	-5	5	-5	21	-20	-15	6	-10	17	5	-5	297	2	46
16-	45.9786-	115.8519-	2-	12-	0-	L16899	-5	5	-5	19	-20	-15	20	-10	-15	-5	-5	402	1	26
16-	45.9944-	115.8283-	2-	12-	0-	L16900	-5	5	-5	24	-20	28	6	-10	-15	9	-5	567	2	11
16-	45.9679-	115.7933-	2-	11-	0-	L16901	-5	-5	-5	15	-20	17	-5	-10	-15	12	-5	414	2	28
16-	45.9678-	115.7825-	2-	12-	0-	L16902	-5	11	-5	14	-20	20	-5	-10	-15	10	-5	797	1	18
16-	45.9831-	115.7935-	2-	11-	0-	L16903	-5	-5	-5	22	-20	-15	12	-10	-15	6	-5	202	3	53
16-	45.9833-	115.8031-	2-	12-	0-	L16904	-5	12	-5	15	-20	-15	6	-10	19	9	-5	279	2	17
16-	45.9883-	115.8803-	2-	12-	0-	L16905	-5	-5	-5	-10	-20	-15	-5	-10	-15	7	-5	702	2	12
16-	45.9778-	115.9617-	2-	12-	0-	L16906	-5	-5	-5	36	-20	21	-5	-10	-15	9	-5	280	2	17
16-	45.9900-	115.9606-	3-	12-	0-	L16907	-5	-5	-5	58	-20	-15	-5	-10	-15	8	-5	173	-1	12
16-	45.9969-	115.9211-	2-	12-	0-	L16908	-5	-5	-5	15	-20	19	-5	-10	18	8	-5	401	1	20
16-	45.9914-	115.9667-	2-	12-	0-	L16909	-5	-5	-5	42	-20	19	10	-10	-15	6	-5	330	2	27
16-	45.8233-	115.8866-	2-	12-	0-	L16910	-5	14	-5	-10	-20	-15	7	-10	29	8	-5	529	3	19
16-	45.9144-	115.9989-	2-	12-	0-	L16911	-5	-5	-5	30	-20	-15	6	-10	-15	-5	-5	124	2	16
16-	45.6756-	115.8375-	2-	12-	0-	L16912	-5	5	-5	12	-20	-15	8	-10	-15	-5	-5	167	3	36
16-	45.8114-	115.8100-	2-	12-	0-	L16913	-5	-5	-5	21	-20	-15	-5	-10	-15	11	-5	422	2	21
16-	45.8172-	115.8175-	2-	12-	0-	L16914	-5	14	-5	10	22	-15	-5	11	17	12	-5	1311	2	12
16-	45.8344-	115.8072-	2-	12-	0-	L16915	-5	7	-5	13	-20	-15	-5	-10	-15	8	-5	401	2	25
16-	45.8461-	115.8231-	2-	11-	0-	L16916	-5	-5	-5	14	-20	-15	15	-10	-15	-5	-5	176	2	20
16-	45.8608-	115.8556-	2-	12-	0-	L16917	-5	5	-5	21	-20	15	10	-10	-15	-5	-5	301	2	20
16-	45.8606-	115.8547-	2-	12-	0-	L16918	-5	7	-5	16	-20	-15	10	-10	-15	-5	-5	242	2	30
16-	45.8700-	115.8072-	2-	12-	0-	L16919	-5	8	-5	13	-20	-15	9	-10	-15	-5	-5	488	2	18
16-	45.8675-	115.8031-	2-	12-	0-	L16920	-5	9	-5	13	-20	-15	-5	-10	-15	9	-5	1216	2	25
16-	45.8567-	115.8025-	2-	12-	0-	L16921	-5	10	-5	11	-20	18	-5	-10	-15	10	-5	1174	2	19
16-	45.8475-	115.8055-	2-	12-	0-	L16922	-5	7	-5	16	-20	-15	-5	-10	-15	8	-5	573	2	22
16-	45.8200-	115.8261-	2-	12-	0-	L16923	-5	9	-5	12	-20	-15	8	-10	-15	-5	-5	362	3	39
16-	45.8336-	115.8564-	2-	12-	0-	L16924	-5	7	-5	-10	-20	-15	7	-10	-15	-5	-5	264	2	27
16-	45.8336-	115.8583-	2-	12-	0-	L16925	-5	5	-5	24	-20	18	-5	-10	-15	11	-5	289	3	31
16-	45.8219-	115.8594-	2-	15-	0-	L16926	-5	6	-5	23	-20	16	-5	-10	-15	7	-5	330	3	32
16-	45.8169-	115.8356-	2-	12-	0-	L16927	-5	24	-5	-10	-20	15	-5	-10	30	22	-5	1822	2	12
16-	45.7942-	115.7764-	2-	12-	0-	L16928	-5	8	-5	19	-20	15	9	-10	-15	11	-5	351	3	67
15-	45.7947-	115.7628-	2-	12-	0-	L16929	-5	12	-5	-10	-20	-15	-5	-10	-15	11	-5	443	3	30
16-	45.7408-	115.5247-	2-	12-	0-	L16930	-5	11	-5	26	-20	18	17	-10	-15	13	-5	478	2	23
16-	45.7172-	115.5456-	2-	12-	0-	L16931	-5	10	-5	26	-20	-15	12	-10	-15	7	-5	320	2	24
16-	45.7136-	115.5378-	2-	12-	0-	L16932	-5	19	-5	16	-20	19	-5	-10	-15	29	-5	1157	5	40
16-	45.7014-	115.5361-	2-	12-	0-	L16933	-5	14	-5	26	-20	-15	25	-10	16	62	-5	820	2	19
16-	45.6961-	115.5519-	2-	12-	0-	L16934	-5	16	-5	10	-20	-15	-5	-10	-15	12	-5	553	2	22
16-	45.6942-	115.5467-	2-	12-	0-	L16935	-5	9	-5	36	-20	-15	70	-10	-15	10	-5	277	2	19
16-	45.6914-	115.5647-	2-	12-	0-	L16936	-5	12	-5	10	-20	-15	7	-10	-15	9	-5	586	1	21
16-	45.6886-	115.5622-	2-	12-	0-	L16937	-5	-5	-5	22	-20	-15	9	-10	-15	7	-5	244	2	25
16-	45.6678-	115.5736-	2-	11-	0-	L16938	-5	11	-5	18	-20	-15	9	-10	20	7	-5	543	2	18
16-	45.6858-	115.5711-	2-	12-	0-	L16939	-5	25	-5	-10	-20	25	-5	-10	35	19	-5	879	2	16
16-	45.6742-	115.5428-	2-	12-	0-	L16940	-5	9	-5	47	-20	-15	34	-10	-15	45	-5	220	2	24
16-	45.6264-	115.5139-	2-	12-	0-	L16941	-5	17	-5	17	-20	-15	5	-10	-15	10	-5	1018	2	19
16-	45.6222-	115.5144-	2-	12-	0-	L16942	-5	15	-5	16	-20	-15	5	-10	21	36	-5	370	2	22
16-	45.6217-	115.5125-	3-	12-	0-	L16943	-5	7	-5	12	-20	-15	10	-10	-15	5	-5	359	2	32
16-	45.6078-	115.5506-	2-	11-	0-	L16944	-5	-5	-5	18	-20	-15	9	-10	-15	-5	-5	69	5	7
16-	45.6100-	115.5117-	2-	12-	0-	L16945	-5	9	-5	28	-20	-15	45	-10	19	12	-5	242	2	29
16-	45.5792-	115.5269-	2-	12-	0-	L16946	-5	8	-5	14	-20	-15	13	-10	15	5	-5	368	3	31

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.9635-	115.9094-	2-	12-	0-	L16895	85990	-0.08	911	38320	88	-126	8.0	20	2.1	7	2.0	33990	18.6	19590	43	0.4
16-	45.9692-	115.9156-	2-	11-	0-	L16897	71890	-0.10	385	14640	35	-155	9.0	36	-2.3	5	1.2	33980	5.4	8278	18	0.2
16-	45.9783-	115.8800-	2-	11-	0-	L16898	92640	-0.10	941	26730	81	-135	9.6	-11	2.7	5	1.6	36440	11.9	19010	34	0.3
16-	45.9786-	115.8519-	2-	12-	0-	L16899	80670	-0.09	944	17980	127	-117	9.6	32	-1.8	7	1.8	27410	16.6	15910	66	0.4
16-	45.9944-	115.8283-	2-	12-	0-	L16900	77460	-0.08	1278	9737	127	-70	9.5	51	-1.6	8	1.6	28200	24.3	21170	63	0.6
16-	45.9578-	115.7833-	2-	11-	0-	L16901	97250	-0.10	801	13600	114	220	15.9	40	3.2	8	2.0	43620	14.7	15620	47	0.5
16-	45.9678-	115.7825-	2-	12-	0-	L16902	73360	-0.10	857	22150	253	259	13.1	56	-2.1	14	3.0	35920	32.2	14890	111	1.1
16-	45.9831-	115.7936-	2-	11-	0-	L16903	91910	-0.12	1102	14830	127	-143	9.5	32	-2.4	12	2.7	31590	7.9	22150	70	0.6
16-	45.9833-	115.8031-	2-	12-	0-	L16904	86090	-0.09	827	25620	397	-154	7.0	31	-1.7	17	2.3	26980	11.5	16370	183	1.0
16-	45.9883-	115.8803-	2-	12-	0-	L16905	78460	-0.09	767	37300	130	-128	6.5	25	-1.9	9	2.4	34540	29.5	10360	56	0.6
16-	45.9778-	115.9617-	2-	12-	0-	L16906	76660	-0.11	579	35860	78	-127	14.7	34	-2.2	6	1.5	45710	10.1	8953	31	0.3
16-	45.9900-	115.9606-	2-	12-	0-	L16907	76330	-0.11	278	37300	42	-126	24.3	56	-2.4	4	1.2	70870	5.5	-4581	21	0.3
16-	45.9969-	115.9211-	2-	12-	0-	L16908	79660	-0.10	940	32150	99	-140	14.7	41	-2.1	7	1.9	41900	15.7	13950	43	0.5
16-	45.9914-	115.9667-	2-	12-	0-	L16909	75070	-0.10	821	22450	125	-124	34.4	59	-2.2	9	1.7	51820	11.9	10700	55	0.6
16-	45.8233-	115.8886-	2-	12-	0-	L16910	73500	-0.09	903	26610	490	-120	6.5	35	-1.7	19	2.5	22030	28.5	19150	224	1.3
16-	45.9144-	115.9989-	2-	12-	0-	L16911	75650	-0.10	394	33010	47	-123	9.3	52	-2.2	6	1.6	34550	4.7	8875	16	0.4
16-	45.6756-	115.8375-	2-	12-	0-	L16912	64420	-0.06	1071	30360	162	-116	4.6	29	2.3	8	1.1	15350	6.9	14630	72	0.5
16-	45.8114-	115.8100-	2-	12-	0-	L16913	75430	-0.09	598	36540	239	159	9.6	54	2.7	15	3.0	27010	23.0	13050	106	0.9
16-	45.8172-	115.8175-	2-	12-	0-	L16914	68810	-0.12	409	35640	955	-119	12.0	67	-2.2	40	6.5	39590	73.5	11880	435	2.6
16-	45.8344-	115.8072-	2-	12-	0-	L16915	82670	-0.09	565	22640	199	-124	7.7	41	12.4	11	2.2	25930	18.7	18870	85	0.6
16-	45.8441-	115.8231-	2-	11-	0-	L16916	95440	-0.08	797	19830	94	212	4.8	21	4.0	9	2.0	19400	7.4	19690	56	0.4
16-	45.8608-	115.8556-	2-	12-	0-	L16917	78190	-0.08	627	19710	268	145	12.7	44	3.3	14	2.3	32900	14.9	12220	123	0.9
16-	45.8606-	115.8547-	2-	12-	0-	L16918	93360	-0.09	858	18800	258	216	9.7	36	-1.7	11	1.8	24930	9.8	15270	126	0.7
16-	45.8700-	115.8072-	2-	12-	0-	L16919	69670	-0.09	535	26870	421	152	11.0	63	-1.9	21	4.0	32740	29.7	18100	182	1.4
16-	45.8675-	115.8031-	2-	12-	0-	L16920	96130	-0.09	640	31510	305	-122	10.2	63	-1.7	15	3.6	36820	49.3	12980	133	1.1
16-	45.8567-	115.8075-	2-	12-	0-	L16921	72300	-0.10	664	23610	753	145	15.3	54	3.3	27	6.6	43120	66.3	15510	332	2.1
16-	45.8475-	115.8056-	2-	12-	0-	L16922	77980	-0.10	653	23730	312	-108	12.1	57	2.4	15	3.2	34470	33.3	16780	139	1.1
16-	45.8200-	115.8261-	2-	12-	0-	L16923	89640	-0.08	647	27810	206	-122	6.7	30	4.4	9	1.9	23760	14.9	15840	94	0.5
16-	45.8336-	115.8564-	2-	12-	0-	L16924	97930	-0.06	942	23480	249	-132	7.4	23	1.9	9	2.0	22150	11.2	17280	111	0.6
16-	45.8336-	115.8583-	2-	12-	0-	L16925	53150	-0.11	800	15930	182	-170	15.4	36	3.1	11	2.2	37950	12.2	17420	84	0.6
16-	45.8219-	115.8594-	2-	15-	0-	L16926	85540	-0.11	645	21110	302	-146	13.9	44	3.4	17	2.3	38700	14.7	18230	136	0.9
16-	45.8169-	115.8356-	2-	12-	0-	L16927	67670	-0.11	562	18880	1020	-108	9.2	69	-2.0	57	6.0	33720	63.6	14600	431	4.0
16-	45.7942-	115.7764-	2-	12-	0-	L16928	102900	-0.09	880	22930	190	-121	12.5	45	3.0	11	2.3	38040	14.9	16810	90	0.7
16-	45.7947-	115.7628-	2-	12-	0-	L16929	90750	-0.09	602	21370	545	-160	5.3	33	-1.8	30	3.2	22870	18.5	21100	250	1.9
16-	45.7408-	115.5247-	2-	12-	0-	L16930	85020	-0.11	1164	12600	230	-130	13.8	55	3.5	14	2.2	35970	20.5	24690	92	1.1
16-	45.7172-	115.5456-	2-	12-	0-	L16931	92310	-0.10	1082	14080	228	172	9.3	42	4.8	15	2.3	30030	16.8	20840	91	1.0
16-	45.7136-	115.5378-	2-	12-	0-	L16932	90310	-0.10	995	16590	686	218	8.8	68	2.2	40	4.8	33590	51.0	18770	282	2.9
16-	45.7014-	115.5361-	2-	12-	0-	L16933	79510	0.37	889	17060	453	-136	9.0	48	5.0	30	3.4	31140	51.8	20820	198	2.0
16-	45.6961-	115.5519-	2-	12-	0-	L16934	87850	-0.10	952	17280	654	202	7.3	52	-1.9	35	3.4	22120	27.4	17470	283	2.3
16-	45.6942-	115.5467-	2-	12-	0-	L16935	76950	0.38	1038	11870	247	-120	6.1	34	4.0	17	2.5	21080	12.4	21520	112	1.1
16-	45.6914-	115.5647-	2-	12-	0-	L16936	88600	-0.09	845	17070	467	-141	7.8	56	-1.7	27	3.1	24720	21.1	21100	198	1.7
16-	45.6886-	115.5622-	2-	12-	0-	L16937	81970	-0.12	781	14700	286	-159	7.5	43	-2.4	25	4.1	27190	10.5	18030	140	1.3
16-	45.6678-	115.5736-	2-	11-	0-	L16938	91200	-0.09	1005	17170	282	-148	7.1	43	-2.1	15	2.5	26690	19.3	24040	122	0.9
16-	45.6858-	115.5711-	2-	12-	0-	L16939	68450	0.17	761	16500	1420	-120	7.5	87	-2.0	80	7.2	40900	37.7	16740	586	5.2
16-	45.6742-	115.5428-	2-	12-	0-	L16940	94750	0.17	1389	9892	129	-133	7.0	38	5.9	10	2.9	26140	9.4	30340	60	0.7
16-	45.6264-	115.5139-	2-	12-	0-	L16941	79170	-0.10	973	14370	716	-158	12.9	64	2.1	34	4.3	37850	47.6	21790	286	2.4
16-	45.6222-	115.5144-	2-	12-	0-	L16942	99140	2.18	859	12620	283	-136	7.1	45	-2.0	17	2.3	24620	15.1	21590	128	1.1
16-	45.6217-	115.5125-	2-	12-	0-	L16943	94010	-0.11	730	11250	217	368	7.4	45	5.6	14	2.4	23540	15.9	17320	94	0.7
16-	45.6078-	115.5506-	2-	11-	0-	L16944	46000	-0.13	-270	9312	40	478	7.0	38	-2.9	7	1.1	15490	-1.9	-6063	-9	0.5
16-	45.6100-	115.5117-	2-	12-	0-	L16945	75180	-0.09	616	11630	134	426	9.1	40	5.1	9	1.6	32100	9.4	14630	61	0.5
16-	45.5792-	115.5269-	2-	12-	0-	L16946	86030	-0.11	905	12910	264	-139	6.5	33	2.4	21	2.6	22640	16.9	21640	114	1.4

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LAST SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.9636-115.9094-2-12-	0-L16896	6820	627	27540	84	-2	14.1	8.6	-245	-1	-1	9.1	5069	80	3.9	122	0.634
16-45.9692-115.9156-2-11-	0-L16897	5966	365	27770	-42	-3	16.6	3.8	-281	-2	-1	3.6	4024	103	-2.1	-120	0.422
16-45.9783-115.8800-2-11-	0-L16898	7929	596	23840	86	-3	11.2	5.6	551	-1	-1	8.0	4628	77	3.3	120	0.509
16-45.9786-115.8519-2-12-	0-L16899	8520	660	16900	-35	-2	9.2	9.6	-302	-2	-1	16.2	4966	57	4.2	100	0.255
16-45.9944-115.8283-2-12-	0-L16900	11020	469	5193	70	-2	9.4	9.5	-202	-1	-1	17.6	4827	68	5.8	75	0.249
16-45.9678-115.7833-2-11-	0-L16901	9634	880	16480	-50	-3	11.4	9.2	-345	-2	-1	10.8	7054	94	4.7	171	0.285
16-45.9678-115.7825-2-12-	0-L16902	10480	669	18280	-41	-3	11.2	19.8	-304	-2	-1	31.3	8871	96	9.5	131	0.174
16-45.9831-115.7936-2-11-	0-L16903	6908	1227	18870	90	-3	11.3	15.6	-433	-2	-1	20.1	4729	53	7.8	90	0.337
16-45.9833-115.8031-2-12-	0-L16904	6750	738	27740	-37	-2	7.2	27.5	-315	-2	2	68.4	5943	54	12.4	96	0.113
16-45.9883-115.8803-2-12-	0-L16905	7778	641	23530	63	-2	16.4	12.4	378	-2	-1	14.8	5205	95	5.5	115	0.432
16-45.9778-115.9617-2-12-	0-L16906	6947	1113	22640	-41	-3	21.2	5.2	585	-2	1	6.1	5666	156	2.6	-50	0.562
16-45.9900-115.9606-2-12-	0-L16907	10970	1546	19690	-44	-3	29.6	4.6	-375	-2	-1	5.1	8298	313	3.4	-52	0.308
16-45.9969-115.9211-2-12-	0-L16908	8970	961	22400	-40	-3	17.1	7.6	-306	-2	-1	11.0	7346	160	4.6	76	0.385
16-45.9914-115.9667-2-12-	0-L16909	5974	978	14260	-48	-3	18.5	10.6	-298	-2	-1	16.4	7399	178	6.8	69	0.221
15-45.8233-115.8886-2-12-	0-L16910	5419	715	23320	-35	-2	7.0	35.8	-304	-2	2	73.1	5469	44	15.3	53	0.159
16-45.9144-115.9989-2-12-	0-L16911	6739	826	24650	-37	-3	21.7	4.7	642	-2	-1	3.9	4014	131	4.4	81	0.500
16-45.6756-115.8375-2-12-	0-L16912	11820	657	19450	-28	-2	5.3	10.2	-249	-1	-1	20.4	2161	27	5.5	68	0.281
16-45.8114-115.8100-2-12-	0-L16913	10350	511	24380	69	-2	13.2	19.7	-249	2	2	25.0	9553	82	8.4	87	0.239
16-45.8172-115.8175-2-12-	0-L16914	9424	823	22490	-47	-3	13.0	75.6	418	5	5	147.5	18130	116	28.9		0.137
16-45.8344-115.8072-2-12-	0-L16915	5361	561	26090	-34	-2	10.1	15.0	-298	-2	1	28.3	7056	73	7.8	90	0.196
16-45.8461-115.8231-2-11-	0-L16916	-2152	280	24870	-34	-2	8.0	10.0	652	-2	1	12.0	3530	35	4.6	70	0.701
16-45.8608-115.8556-2-12-	0-L16917	6359	940	22370	76	-2	10.3	21.0	476	-2	2	40.1	6057	65	8.8	106	0.172
16-45.8606-115.8547-2-12-	0-L16918	-2624	923	31510	-35	-2	7.1	18.2	662	-2	-1	41.3	3855	40	7.2	174	0.159
16-45.8700-115.8072-2-12-	0-L16919	7885	707	21130	-37	-2	11.7	40.2	-285	3	2	62.0	11400	87	16.1	120	0.141
16-45.8675-115.8031-2-12-	0-L16920	9962	779	21200	-35	-2	11.8	23.3	-266	-2	-1	41.0	9761	95	12.2	104	0.185
16-45.8567-115.8025-2-12-	0-L16921	9194	874	14360	-46	-3	14.4	58.3	-274	-2	4	107.1	11270	98	22.0	113	0.109
16-45.8475-115.8056-2-12-	0-L16922	8877	714	18260	84	-3	11.7	25.0	-292	-2	2	43.1	9187	88	11.2	85	0.151
16-45.8200-115.8261-2-12-	0-L16923	7359	370	30220	-31	-2	9.4	14.2	417	-1	-1	27.1	4564	54	5.4	-35	0.240
16-45.8336-115.8564-2-12-	0-L16924	4774	579	34650	79	-2	6.6	15.2	697	-1	1	33.1	3910	39	6.7	92	0.171
16-45.8336-115.8583-2-12-	0-L16925	7107	1366	19720	139	-3	11.7	16.0	-418	-2	-1	25.2	4936	65	6.0	-62	0.229
16-45.8219-115.8594-2-15-	0-L16926	5515	930	24290	109	-3	11.5	21.0	-388	-2	2	47.0	9507	75	11.1	-49	0.226
16-45.8169-115.8356-2-12-	0-L16927	5695	730	20980	-39	-3	10.3	95.8	-280	-2	6	162.0	10440	78	46.5	-46	0.133
16-45.7942-115.7764-2-12-	0-L16928	6479	466	21490	-39	-2	11.8	14.9	-247	-2	-1	32.4	6652	86	6.5	134	0.217
16-45.7947-115.7628-2-12-	0-L16929	5293	577	29620	86	-2	7.4	45.5	-304	-2	3	88.0	6119	55	20.8	-36	0.147
16-45.7408-115.5247-2-12-	0-L16930	5723	675	20630	138	3	11.7	16.6	-339	-2	-1	35.6	4724	64	8.9	-42	0.181
16-45.7172-115.5456-2-12-	0-L16931	5212	650	23510	105	-3	11.1	20.8	-324	-2	2	36.1	5086	65	9.6	150	0.206
16-45.7136-115.5378-2-12-	0-L16932	6553	637	20280	118	-3	11.7	50.6	559	-2	4	112.2	7023	73	28.0	76	0.160
16-45.7014-115.5361-2-12-	0-L16933	4053	559	24560	95	3	9.7	38.7	368	-2	3	85.4	4632	61	22.3	133	0.157
16-45.6961-115.5519-2-12-	0-L16934	4695	561	30510	59	-3	7.4	55.7	-320	-2	4	108.8	4767	49	23.5	90	0.125
16-45.6942-115.5467-2-12-	0-L16935	-2122	492	24570	85	-2	5.7	24.5	543	-1	2	39.9	3158	38	13.6	99	0.206
16-45.6914-115.5647-2-12-	0-L16936	6829	517	29300	77	-2	8.6	36.4	-278	-2	3	77.5	4335	57	17.6	93	0.128
16-45.6886-115.5622-2-12-	0-L16937	4229	659	18490	-53	-3	11.0	29.6	-349	-2	2	45.4	3541	61	14.6	65	0.265
16-45.6678-115.5736-2-11-	0-L16938	4765	420	32920	-44	-2	8.5	22.4	-329	-2	1	39.4	5924	72	9.3	109	0.120
16-45.6858-115.5711-2-12-	0-L16939	-2108	1002	24570	-40	-2	9.2	127.0	-319	6	8	225.5	11890	102	57.8	-55	0.078
16-45.6742-115.5428-2-12-	0-L16940	4557	846	25720	115	-2	9.6	12.7	-282	-1	-1	20.8	2750	49	7.3	331	0.471
16-45.6264-115.5139-2-12-	0-L16941	4700	1083	22600	-51	-3	9.6	58.5	-362	-2	3	132.5	5834	66	23.5	76	0.117
16-45.6222-115.5144-2-12-	0-L16942	6112	535	25340	103	-2	9.0	23.5	-324	-2	2	44.9	4281	55	11.7	70	0.146
16-45.6217-115.5125-2-12-	0-L16943	4720	306	20210	-46	-3	10.7	18.1	-315	-2	-1	40.8	4707	61	11.8	-79	0.235
16-45.6078-115.5506-2-11-	0-L16944	-2677	691	6980	-59	-3	6.6	5.1	-445	-3	-1	-2.0	-1047	28	4.9		
16-45.6100-115.5117-2-12-	0-L16945	4020	709	19700	-41	-2	9.2	10.9	-313	-2	-1	20.5	4505	60	5.4	-86	0.205
16-45.5792-115.5269-2-12-	0-L16946	5196	679	22460	-44	-3	8.2	23.7	-363	-2	2	42.6	3748	53	13.9	249	0.174

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						IASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	IASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	STICKAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU,ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.5556-	115.5286-	2-	12-	0-	L16947-	07/30/79-	18-	32-	10.6-	-	-	6.7-	17-	4-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	6.14
16-	45.5197-	115.5053-	2-	12-	0-	L16948-	07/30/79-	19-	32-	11.6-	-	-	6.6-	17-	4-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	7.84
16-	45.7469-	115.5153-	2-	12-	0-	L16949-	07/30/79-	20-	29-	14.6-	-	-	6.5-	23-	16-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	2-	1-	-1-	-	-	-	-	-	22.16
16-	45.6336-	115.6556-	2-	12-	0-	L16950-	07/29/79-	11-	33-	10.1-	-	-	6.9-	17-	10-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	14.08
16-	45.6403-	115.6483-	2-	12-	0-	L16951-	07/29/79-	12-	34-	10.7-	-	-	6.7-	11-	12-	2-	7-	5-	5-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	12.04
16-	45.6403-	115.6319-	2-	12-	0-	L16952-	07/29/79-	12-	34-	10.1-	-	-	7.2-	9-	10-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	5.58
16-	45.6586-	115.6578-	2-	11-	0-	L16953-	07/29/79-	13-	33-	4.4-	-	-	7.6-	8-	14-	2-	7-	4-	6-	2-	2-	1-	-1-	2-	3-	1-	-1-	-1-	-	-	-	-	-	5.25
16-	45.6825-	115.6761-	2-	11-	0-	L16954-	07/29/79-	14-	32-	5.2-	-	-	7.3-	11-	12-	2-	6-	5-	8-	2-	2-	1-	-1-	3-	3-	1-	-1-	-1-	-	-	-	-	-	13.92
16-	45.6861-	115.6947-	2-	12-	0-	L16955-	07/29/79-	15-	33-	11.9-	-	-	7.2-	15-	10-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	29.27
16-	45.6942-	115.6883-	2-	12-	0-	L16956-	07/29/79-	15-	33-	10.0-	-	-	7.3-	12-	14-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	5.62
16-	45.6900-	115.6917-	2-	11-	0-	L16957-	07/29/79-	16-	32-	7.1-	-	-	6.9-	15-	10-	2-	6-	5-	8-	2-	2-	1-	-2-	3-	3-	1-	-3-	-1-	-	-	-	-	-	9.74
16-	45.6861-	115.7019-	2-	12-	0-	L16958-	07/29/79-	16-	33-	13.6-	-	-	6.9-	20-	14-	2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	16.67
16-	45.7039-	115.2814-	2-	12-	0-	L16959-	07/31/79-	12-	35-	10.6-	-	-	7.8-	15-	10-	2-	6-	5-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	6.29
16-	45.7328-	115.2617-	2-	12-	0-	L16960-	07/31/79-	12-	35-	11.8-	-	-	7.5-	16-	14-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	-	7.25
16-	45.7367-	115.2675-	2-	11-	0-	L16961-	07/31/79-	13-	35-	13.1-	-C-	-	6.8-	43-	16-	2-	6-	4-	6-	2-	2-	1-	-4-	2-	3-	1-	-9-	-1-	-	-	-	-	-	9.58
16-	45.7450-	115.2597-	2-	99-	0-	L16962-	07/31/79-	13-	35-	-C-	-	-	-	-	17-	2-	6-	5-	7-	-1-	-	-	-4-	3-	3-	1-	-9-	-1-	-	-	-	-	-	3.35
16-	45.9078-	115.6344-	2-	12-	0-	L16963-	07/28/79-	12-	25-	14.8-	-	-	7.5-	10-	5-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	26.17
16-	45.9097-	115.6381-	2-	12-	0-	L16964-	07/28/79-	12-	25-	15.4-	-	-	7.7-	10-	5-	2-	7-	5-	9-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	19.66
16-	45.9106-	115.6342-	2-	12-	0-	L16965-	07/28/79-	13-	25-	17.8-	-	-	7.1-	19-	6-	1-	7-	5-	8-	3-	3-	1-	2-	4-	3-	3-	1-	-1-	-	-	-	-	-	6.35
16-	45.9511-	115.6728-	2-	12-	0-	L16966-	07/28/79-	14-	26-	18.1-	-	-	7.7-	24-	8-	1-	7-	5-	8-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	5.07
16-	45.9500-	115.6731-	2-	12-	0-	L16967-	07/28/79-	14-	26-	16.1-	-	-	7.5-	25-	0-	1-	7-	5-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	4.01
16-	45.9414-	115.6750-	2-	12-	0-	L16968-	07/28/79-	15-	25-	14.1-	-	-	7.5-	17-	0-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	7.78
16-	45.9286-	115.6481-	2-	11-	0-	L16969-	07/28/79-	16-	25-	6.4-	-	-	7.5-	53-	5-	1-	7-	5-	8-	2-	3-	1-	-1-	5-	5-	1-	-1-	-1-	-	-	-	-	-	6.11
16-	45.9297-	115.6403-	2-	12-	0-	L16970-	07/28/79-	17-	25-	17.0-	-	-	7.7-	24-	1-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	6.81
16-	45.9306-	115.6394-	2-	12-	0-	L16971-	07/28/79-	17-	25-	-C-	-	-	-	-	2-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	8.76
16-	45.9547-	115.6442-	2-	12-	0-	L16972-	07/28/79-	18-	25-	15.4-	-	-	7.4-	21-	1-	2-	7-	5-	8-	2-	2-	1-	-4-	5-	2-	1-	-1-	-1-	-	-	-	-	-	24.85
16-	45.9547-	115.6458-	2-	12-	0-	L16973-	07/28/79-	19-	25-	17.3-	-	-	7.5-	17-	1-	2-	7-	5-	8-	3-	3-	1-	2-	1-	5-	3-	1-	-1-	-	-	-	-	-	8.27
16-	45.9328-	115.6275-	2-	12-	0-	L16974-	07/28/79-	21-	23-	13.6-	-	-	7.4-	20-	5-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	13.42
16-	45.9333-	115.6289-	2-	12-	0-	L16975-	07/28/79-	21-	23-	15.3-	-	-	7.4-	19-	3-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	10.09
16-	45.8806-	115.4406-	2-	15-	0-	L16976-	07/30/79-	11-	26-	-	-	-	-	-	4-	2-	7-	5-	8-	-1-	-2-	1-	4-	4-	1-	-1-	-1-	-1-	-	-	-	-	-	11.69
16-	45.9022-	115.4314-	2-	12-	0-	L16977-	07/30/79-	11-	26-	12.0-	-	-	7.5-	21-	2-	2-	7-	5-	8-	2-	2-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	6.53
16-	45.9019-	115.4300-	2-	12-	0-	L16978-	07/30/79-	12-	25-	14.0-	-	-	7.5-	17-	4-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	33.08
16-	45.9139-	115.4225-	2-	12-	0-	L16979-	07/30/79-	12-	25-	13.4-	-	-	7.5-	19-	5-	2-	7-	4-	8-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	20.44
16-	45.9228-	115.4122-	2-	12-	0-	L16980-	07/30/79-	13-	25-	15.3-	-	-	7.1-	19-	1-	2-	7-	4-	6-	2-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	11.58
16-	45.9228-	115.4111-	2-	12-	0-	L16981-	07/30/79-	13-	25-	17.4-	-	-	7.5-	19-	1-	2-	7-	4-	7-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	-	40.64
16-	45.8917-	115.4250-	2-	12-	0-	L16982-	07/30/79-	15-	25-	17.1-	-	-	7.5-	19-	0-	2-	7-	5-	8-	3-	3-	1-	2-	1-	5-	3-	1-	-1-	-	-	-	-	-	25.31
16-	45.8944-	115.4753-	2-	12-	0-	L16983-	07/30/79-	16-	25-	14.7-	-	-	7.5-	20-	5-	2-	7-	4-	8-	3-	3-	1-	2-	4-	4-	4-	1-	-1-	-	-	-	-	-	7.06
16-	45.9217-	115.4692-	2-	12-	0-	L16984-	07/30/79-	17-	24-	12.3-	-	-	7.7-	22-	4-	1-	7-	5-	8-	2-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	6.31
16-	45.9233-	115.4686-	2-	12-	0-	L16985-	07/30/79-	18-	24-	19.0-	-	-	7.5-	24-	4-	1-	7-	5-	8-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-	-	-	-	-	5.89
16-	45.9231-	115.4675-	2-	12-	0-	L16986-	07/30/79-	18-	24-	22.3-	-	-	8.4-	27-	4-	1-	7-	4-	6-	3-	3-	1-	2-	4-	5-	3-	1-	-1-	-	-	-	-	-	8.48
16-	45.9144-	115.4689-	2-	12-	0-	L16987-	07/30/79-	19-	24-	16.1-	-	-	7.0-	19-	2-	1-	7-	4-	7-	3-	3-	1-	2-	4-	5-	2-	1-	-1-	-	-	-	-	-	11.25
16-	45.8297-	115.5825-	2-	12-	0-	L16988-	07/29/79-	15-	28-	16.4-	-	-	7.7-	53-	11-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	4.82
16-	45.8306-	115.5811-	2-	11-	0-	L16989-	07/29/79-	15-	28-	15.5-	-	-	7.8-	49-	9-	1-	7-	4-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	-	18.75
16-	45.8308-	115.5792-	2-	12-	0-	L16990-	07/29/79-	15-	28-	19.1-	-	-	7.8-	34-	10-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	22.37
16-	45.8300-	115.5733-	2-	12-	0-	L16991-	07/29/79-	15-	29-	15.9-	-	-	7.5-	30-	8-	1-	7-	5-	7-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	11.05
16-	45.8297-	115.5558-	2-	12-	0-	L16992-	07/29/79-	15-	28-	15.5-	-	-	7.7-	28-	14-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	10.21
16-	45.8247-	115.5253-	2-	12-	0-	L16993-	07/29/79-	17-	28-	14.9-	-	-	7.6-	25-	14-	1-	7-	3-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	21.66
16-	45.8239-	115.5292-	2-	12-	0-	L16994-	07/29/79-	17-	28-	20.8-	-	-	7.7-	26-	7-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	23.02
16-	45.7897-	115.5408-	2-	12-	0-	L16995-	07/29/79-	16-	27-	14.3-	-	-	7.8-	30-	7-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	8.49
16-	45.7897-	115.5556-	2-	12-	0-	L16996-	07/29/79-	17-	28-	14.2-	-	-	7.7-	29-	10-	1-	7-	3-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	13.64
16-	45.7833-	115.5572-	2-	12-	0-	L16997-	07/29/79-	16-	28-	16.4-	-	-	7.8-	33-	9-	1-	7-	3-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	8.24

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-45.5556-115.5286-2-12-						0-L16947	-5	10	-5	13	-20	-15	10	-10	18	-5	-5	537	3	24
16-45.5197-115.5053-2-12-						0-L16948	-5	9	-5	15	-20	19	12	-10	-15	9	-5	717	3	31
16-45.7469-115.5153-2-12-						0-L16949	5	19	-5	-10	20	16	-5	-10	32	15	-5	1448	1	10
16-45.6336-115.6556-2-12-						0-L16950	5	5	-5	55	-20	-15	78	-10	17	-5	-5	145	2	29
16-45.6403-115.6483-2-12-						0-L16951	-5	-5	-5	20	-20	-15	25	-10	-15	-5	-5	124	2	19
16-45.6403-115.6319-2-12-						0-L16952	-5	9	-5	12	-20	-15	15	-10	-15	-5	-5	273	2	25
16-45.6586-115.6578-2-11-						0-L16953	-5	-5	-5	11	-20	-15	10	-10	-15	7	-5	219	2	31
16-45.6825-115.6761-2-11-						0-L16954	-5	-5	-5	18	-20	-15	8	-10	-15	6	-5	142	3	27
16-45.6861-115.6947-2-12-						0-L16955	-5	-5	-5	16	-20	-15	13	-10	-15	-5	-5	149	3	33
16-45.6942-115.6883-2-12-						0-L16956	-5	-5	-5	15	-20	-15	13	-10	-15	-5	-5	217	2	30
16-45.6900-115.6917-2-11-						0-L16957	-5	-5	-5	15	-20	-15	17	-10	19	-5	-5	162	2	42
16-45.6861-115.7019-2-12-						0-L16958	-5	-5	-5	21	-20	-15	9	-10	-15	-5	-5	176	3	65
16-45.7039-115.2814-2-12-						0-L16959	-5	5	-5	48	-20	-15	10	-10	-15	-5	-5	484	3	45
16-45.7328-115.2517-2-12-						0-L16960	-5	-5	-5	41	-20	-15	17	-10	-15	-5	-5	287	3	50
16-45.7367-115.2675-2-11-						0-L16961	-5	6	-5	20	-20	15	14	-10	-15	7	-5	451	3	46
16-45.7450-115.2597-2-99-						0-L16962	-5	-5	-5	20	-20	-15	19	-10	-15	-5	-5	231	1	47
16-45.9078-115.6344-2-12-						0-L16963	-5	13	-5	11	-20	-15	5	-10	-15	44	-5	943	1	20
16-45.9097-115.6381-2-12-						0-L16964	-5	17	-5	-10	-20	21	6	-10	-15	26	-5	1947	2	17
16-45.9106-115.6342-2-12-						0-L16965	-5	9	-5	15	-20	-15	7	-10	-15	35	-5	729	2	23
16-45.9511-115.6728-2-12-						0-L16966	-5	-5	-5	-10	-20	-15	-5	-10	-15	13	-5	368	2	28
16-45.9500-115.6731-2-12-						0-L16967	-5	-5	-5	17	-20	16	-5	-10	-15	8	-5	509	2	29
16-45.9414-115.6750-2-12-						0-L16968	-5	13	-5	15	-20	-15	-5	-10	16	16	-5	1147	2	19
16-45.9286-115.6481-2-11-						0-L16969	-5	-5	-5	21	-20	-15	-5	-10	-15	18	-5	128	2	16
16-45.9297-115.6403-2-12-						0-L16970	-5	5	-5	10	-20	25	9	-10	-15	12	-5	538	2	22
16-45.9306-115.6394-2-12-						0-L16971	-5	-5	-5	14	-20	-15	-5	-10	-15	16	-5	460	2	21
16-45.9547-115.6442-2-12-						0-L16972	-5	19	-5	23	-20	25	-5	-10	16	16	-5	757	2	23
16-45.9547-115.6458-2-12-						0-L16973	-5	10	-5	29	-20	25	8	-10	-15	19	-5	769	2	23
16-45.9328-115.6275-2-12-						0-L16974	5	17	-5	18	-20	26	-5	-10	16	24	-5	774	2	22
16-45.9333-115.6289-2-12-						0-L16975	-5	7	-5	25	-20	15	7	-10	15	19	-5	544	2	20
16-45.8806-115.4406-2-15-						0-L16976	-5	9	-5	25	-20	18	11	-10	-15	6	-5	829	2	34
16-45.9022-115.4314-2-12-						0-L16977	-5	-5	-5	17	-20	20	15	-10	-15	6	-5	485	2	47
16-45.9019-115.4300-2-12-						0-L16978	-5	14	-5	15	-20	-15	-5	-10	27	17	-5	1510	2	24
16-45.9139-115.4225-2-12-						0-L16979	-5	13	-5	18	-20	22	8	-10	18	8	-5	794	2	36
16-45.9228-115.4122-2-12-						0-L16980	-5	5	-5	26	-20	-15	5	-10	-15	5	-5	754	2	27
16-45.9228-115.4111-2-12-						0-L16981	-5	25	-5	-10	-20	30	-5	-10	42	20	-5	1655	1	20
16-45.8917-115.4250-2-12-						0-L16982	-5	15	-5	12	-20	19	-5	-10	-15	16	-5	551	3	27
16-45.8944-115.4753-2-12-						0-L16983	-5	9	-5	11	-20	-15	-5	-10	-15	6	-5	410	-1	25
16-45.9217-115.4692-2-12-						0-L16984	-5	-5	-5	-10	-20	36	7	-10	-15	14	-5	529	3	31
16-45.9233-115.4686-2-12-						0-L16985	-5	5	-5	21	-20	20	8	-10	-15	10	-5	938	2	39
16-45.9231-115.4675-2-12-						0-L16986	5	5	-5	35	48	41	-5	-10	-15	11	-5	1451	1	18
16-45.9144-115.4689-2-12-						0-L16987	-5	15	-5	19	-20	27	-5	-10	-15	14	-5	631	-1	24
16-45.8297-115.5825-2-12-						0-L16988	-5	-5	-5	51	-20	22	-5	-10	-15	16	-5	483	2	30
16-45.8306-115.5811-2-11-						0-L16989	-5	13	-5	38	-20	24	-5	-10	-15	23	-5	1368	-1	21
16-45.8308-115.5792-2-12-						0-L16990	-5	11	-5	16	23	24	-5	-10	18	13	-5	875	2	13
16-45.8300-115.5733-2-12-						0-L16991	-5	12	-5	38	-20	29	-5	-10	15	14	-5	569	2	24
16-45.8297-115.5558-2-12-						0-L16992	-5	8	-5	27	24	31	8	-10	-15	38	-5	379	2	27
16-45.8247-115.5253-2-12-						0-L16993	-5	12	-5	28	33	35	23	-10	-15	14	-5	1538	1	27
16-45.8239-115.5292-2-12-						0-L16994	-5	15	-5	19	45	19	15	11	36	28	-5	1314	2	8
16-45.7897-115.5408-2-12-						0-L16995	-5	-5	-5	31	-20	18	9	-10	-15	27	-5	393	2	30
16-45.7897-115.5556-2-12-						0-L16996	-5	17	-5	31	26	32	-5	-10	-15	20	-5	952	2	23
16-45.7833-115.5572-2-12-						0-L16997	-5	10	-5	24	-20	15	-5	-10	-15	16	-5	531	2	19

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
							Concentrations reported in weight parts per million (ppm)															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.5556-	115.5286-	2-	12-	0-	L16947	72420	-0.08	689	15770	159	-122	5.6	38	-1.6	14	2.1	19420	22.2	18330	73	1.2
16-	45.5197-	115.5053-	2-	12-	0-	L16948	80440	-0.07	928	12500	188	159	7.4	49	3.3	16	2.5	21620	26.1	24990	84	1.5
16-	45.7469-	115.5153-	2-	12-	0-	L16949	53130	0.27	821	19260	979	-115	12.0	95	10.5	47	7.2	61070	85.9	17390	394	3.8
16-	45.6336-	115.6556-	2-	12-	0-	L16950	55410	1.51	404	14040	59	-123	6.9	36	8.1	4	1.1	20630	5.8	17380	27	0.3
16-	45.6403-	115.6483-	2-	12-	0-	L16951	57500	-0.09	712	17910	76	-144	5.9	-11	2.1	4	1.3	17510	5.2	10890	37	0.4
16-	45.6403-	115.6319-	2-	12-	0-	L16952	66120	-0.09	1004	15000	157	191	8.1	33	-1.6	9	1.7	22670	13.1	18010	68	0.7
16-	45.6586-	115.6578-	2-	11-	0-	L16953	83130	-0.08	1034	16810	134	241	5.9	30	2.9	6	1.5	23220	7.5	21890	57	0.4
16-	45.6825-	115.6761-	2-	11-	0-	L16954	73750	-0.12	612	13750	86	409	5.4	30	-2.4	10	2.1	18790	5.4	17840	60	0.6
16-	45.6861-	115.6947-	2-	12-	0-	L16955	77800	-0.07	752	14940	81	-129	4.6	13	3.2	7	1.4	17450	5.5	16350	45	0.6
16-	45.6942-	115.6883-	2-	12-	0-	L16956	82910	0.18	934	18970	249	-145	5.2	25	2.5	11	2.0	24860	10.8	18430	107	0.7
16-	45.6900-	115.6917-	2-	11-	0-	L16957	85940	-0.08	816	15450	104	243	4.8	-9	-1.7	7	1.7	18730	6.5	18340	53	0.5
16-	45.6861-	115.7019-	2-	12-	0-	L16958	74480	-0.08	657	24220	103	-148	5.6	30	-1.9	6	1.3	18190	7.2	16520	51	0.5
16-	45.7039-	115.2814-	2-	12-	0-	L16959	80820	-0.09	646	13340	185	-116	6.5	49	5.6	12	2.4	20690	19.5	19640	84	0.8
16-	45.7328-	115.2617-	2-	12-	0-	L16960	81970	-0.07	1072	15420	168	-116	7.7	34	4.4	9	1.9	28070	15.2	21620	63	0.8
16-	45.7367-	115.2675-	2-	11-	0-	L16961	82360	-0.09	910	18750	115	-162	10.6	51	6.5	8	2.3	29970	17.0	18640	55	0.6
16-	45.7450-	115.2597-	2-	99-	0-	L16962	74180	-0.08	1127	12800	59	-137	5.5	23	5.2	3	1.1	18010	8.0	22150	25	0.2
16-	45.9078-	115.6344-	2-	12-	0-	L16963	80170	-0.12	839	12550	927	-115	7.5	67	-2.4	61	3.4	24970	49.0	19450	373	3.9
16-	45.9097-	115.6381-	2-	12-	0-	L16964	74390	-0.10	939	17880	851	195	9.3	61	-1.9	45	5.3	26390	75.5	18600	365	3.0
16-	45.9106-	115.6342-	2-	12-	0-	L16965	80650	-0.09	1044	15210	280	-124	11.0	50	2.7	16	2.7	29070	31.4	22980	115	1.1
16-	45.9511-	115.6728-	2-	12-	0-	L16966	97880	-0.11	814	17230	150	-122	8.8	63	-2.4	10	2.1	32240	17.5	18610	61	0.6
16-	45.9500-	115.6731-	2-	12-	0-	L16967	87030	-0.09	1040	20500	128	-121	9.7	55	-2.0	8	1.9	26090	23.8	15020	56	0.5
16-	45.9414-	115.6750-	2-	12-	0-	L16969	75390	-0.08	941	24120	379	291	8.6	50	-1.7	22	3.6	27190	41.5	15110	165	1.7
16-	45.9286-	115.6481-	2-	11-	0-	L16969	62150	-0.09	419	27170	48	263	6.5	34	-2.1	4	0.9	20610	5.0	12830	20	0.3
16-	45.9297-	115.6403-	2-	12-	0-	L16970	93690	-0.10	1120	20660	254	-124	9.8	62	-2.1	15	2.2	27710	26.6	20610	106	1.1
16-	45.9306-	115.6394-	2-	12-	0-	L16971	83710	-0.09	775	21090	463	-116	9.8	49	-1.9	22	3.4	31470	27.1	16870	193	1.5
16-	45.9547-	115.6442-	2-	12-	0-	L16972	87660	-0.10	720	21210	1069	-140	10.1	68	-2.1	54	4.7	30810	30.3	17150	464	3.2
16-	45.9547-	115.6458-	2-	12-	0-	L16973	88760	-0.11	751	22390	380	-156	11.0	54	2.7	21	3.3	31910	28.7	15970	148	1.2
16-	45.9328-	115.6275-	2-	12-	0-	L16974	85810	-0.13	849	19590	481	-142	11.7	55	-2.4	29	3.1	30170	28.6	16010	215	1.7
16-	45.9333-	115.6289-	2-	12-	0-	L16975	84000	-0.10	749	19930	435	-129	13.3	62	-2.2	21	2.9	31430	27.5	14650	185	1.2
16-	45.8806-	115.4406-	2-	15-	0-	L16976	89250	-0.10	797	18890	426	-132	12.5	77	3.5	25	4.0	35770	39.8	18820	191	1.8
16-	45.9022-	115.4314-	2-	12-	0-	L16977	92070	-0.11	730	13340	208	-164	11.3	51	3.1	16	2.6	34390	20.2	20690	92	1.0
16-	45.9019-	115.4300-	2-	12-	0-	L16978	78790	0.25	523	15540	1196	-142	9.4	72	-2.6	68	8.1	28260	73.3	16030	502	4.8
16-	45.9139-	115.4225-	2-	12-	0-	L16979	84190	-0.12	552	15940	669	-133	12.0	62	-2.5	44	5.0	28470	50.8	15880	289	3.0
16-	45.9228-	115.4122-	2-	12-	0-	L16980	88250	-0.09	697	23460	342	-134	10.2	47	2.0	23	3.8	30490	41.4	14620	158	1.8
16-	45.9228-	115.4111-	2-	12-	0-	L16981	70000	0.39	474	18000	1607	-145	9.0	91	-2.4	83	12.3	35700	80.1	12470	669	6.3
16-	45.8917-	115.4250-	2-	12-	0-	L16982	69560	-0.12	534	15330	848	-135	7.6	89	4.2	50	7.0	40550	27.6	16550	369	3.9
16-	45.8944-	115.4753-	2-	12-	0-	L16983	81610	-0.10	540	15740	283	-145	10.6	63	-2.1	18	3.1	29840	19.4	13590	116	1.1
16-	45.9217-	115.4692-	2-	12-	0-	L16984	90160	-0.13	918	13900	179	297	15.4	79	5.0	11	2.0	36520	23.6	19400	78	1.0
16-	45.9233-	115.4586-	2-	12-	0-	L16985	87790	-0.12	652	20680	274	-133	11.6	60	-2.5	13	2.5	35000	36.1	15980	112	0.7
16-	45.9231-	115.4675-	2-	12-	0-	L16986	78410	-0.11	681	41990	360	346	17.5	91	-2.2	20	4.0	45140	58.9	11500	161	1.2
16-	45.9144-	115.4689-	2-	12-	0-	L16987	83470	-0.12	644	16050	550	267	9.8	84	-2.4	28	4.9	35070	25.8	13920	239	1.3
16-	45.8297-	115.5825-	2-	12-	0-	L16988	86450	-0.14	1039	22270	179	284	19.3	77	-2.8	10	2.1	44790	18.4	15160	69	0.6
16-	45.8306-	115.5811-	2-	11-	0-	L16989	81950	-0.11	743	22990	857	-106	12.0	78	-2.2	41	5.2	41430	74.3	12830	364	2.6
16-	45.8308-	115.5792-	2-	12-	0-	L16990	79920	-0.16	580	21480	1019	172	14.0	73	-1.7	52	5.4	41510	46.2	14700	444	3.6
16-	45.8300-	115.5733-	2-	12-	0-	L16991	89590	-0.10	757	17040	540	-145	16.2	71	3.9	28	3.7	42610	26.7	18090	219	1.9
16-	45.8297-	115.5558-	2-	12-	0-	L16992	88710	-0.12	808	16560	365	267	22.4	72	3.6	20	2.8	47890	17.3	19500	155	1.4
16-	45.8247-	115.5253-	2-	12-	0-	L16993	85110	0.31	1018	8917	839	-102	11.6	79	7.0	52	7.2	34210	76.9	25420	359	3.3
16-	45.8239-	115.5292-	2-	12-	0-	L16994	64170	0.71	810	13930	1320	-100	7.5	85	4.2	64	7.1	39270	71.6	19630	558	4.8
16-	45.7897-	115.5408-	2-	12-	0-	L16995	80510	-0.11	941	12380	235	229	19.9	69	5.5	19	2.8	39160	14.4	24730	107	1.3
16-	45.7897-	115.5556-	2-	12-	0-	L16996	87680	-0.13	745	21010	1169	-135	13.0	68	-2.4	40	6.0	40110	40.5	15820	507	2.3
16-	45.7833-	115.5572-	2-	12-	0-	L16997	85120	-0.10	778	17930	393	-112	10.9	68	-1.9	20	3.2	36420	22.2	17290	165	1.5

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.5556-115.5286-2-12-	0-L16947	5700	897	20250	104	-2	7.8	15.1	-335	-1	1	25.3	4365	37	11.8	-36	0.243
16-45.5197-115.5053-2-12-	0-L16948	7935	529	18690	-31	-2	9.5	16.4	-238	4	2	31.0	4873	58	14.4	91	0.253
16-45.7469-115.5153-2-12-	0-L16949	6342	762	18360	-46	17	12.7	84.7	-257	5	6	150.4	13170	125	37.6	71	0.147
16-45.6336-115.5556-2-12-	0-L16950	7018	806	14700	-39	10	7.0	5.6	-362	-2	1	6.3	4465	46	2.2	-58	2.235
16-45.6403-115.6483-2-12-	0-L16951	-2571	899	17590	-38	-2	5.9	8.7	-407	-2	-1	10.2	2339	41	2.9	151	1.180
16-45.6403-115.6319-2-12-	0-L16952	6389	857	21310	-34	-2	6.9	12.0	-315	-2	-1	22.6	4733	54	6.6	48	0.247
16-45.6586-115.6578-2-11-	0-L16953	5119	359	27960	-36	-2	7.3	10.1	613	-2	-1	19.3	3731	48	4.4	70	0.272
16-45.6825-115.6761-2-11-	0-L16954	4410	319	23920	-48	-3	7.4	11.6	-366	-2	-1	10.8	3349	37	5.1	-61	1.289
16-45.6861-115.6947-2-12-	0-L16955	3943	462	25580	-28	-2	6.3	10.2	-297	2	-1	10.6	2289	33	4.8	64	2.761
16-45.6942-115.6883-2-12-	0-L16956	5488	892	28220	75	-2	6.2	17.8	-302	-2	1	39.5	2935	45	8.4	115	0.142
16-45.6900-115.6917-2-11-	0-L16957	-2660	379	27950	-36	-2	6.3	10.4	-300	-2	-1	14.1	2555	37	5.3	66	0.691
16-45.6861-115.7019-2-12-	0-L16958	5102	565	28580	-36	-2	7.3	8.0	-348	-1	-1	12.5	3726	46	4.0	-37	1.334
16-45.7039-115.2814-2-12-	0-L16959	5953	350	18670	-37	-2	9.5	14.3	456	-1	-1	27.0	4274	42	8.2	103	0.233
16-45.7328-115.2617-2-12-	0-L16960	6078	861	18590	92	-2	9.4	11.6	-264	-1	-1	25.4	3758	53	7.9	116	0.285
16-45.7367-115.2675-2-11-	0-L16961	-2628	1274	20170	87	-2	9.6	9.6	-390	-2	-1	15.4	3364	56	5.8	81	0.622
16-45.7450-115.2597-2-99-	0-L16962	4988	921	21210	78	-2	6.2	3.2	-382	-1	-1	8.4	3382	43	-1.9	108	0.399
16-45.9078-115.6344-2-12-	0-L16963	4489	590	13630	-48	-3	8.9	90.8	-324	-3	6	206.9	8149	59	41.5	101	0.126
16-45.9097-115.6381-2-12-	0-L16964	7272	461	15550	-41	-2	10.6	65.5	-229	-2	5	154.3	8397	69	33.1	81	0.127
16-45.9106-115.6342-2-12-	0-L16965	5910	540	16420	85	-2	10.6	22.7	-264	-2	1	38.7	5534	67	11.5	86	0.164
16-45.9511-115.6728-2-12-	0-L16966	7336	318	19800	-43	-3	13.5	12.1	-283	-2	-1	17.5	6393	72	7.2	71	0.290
16-45.9500-115.6731-2-12-	0-L16967	8696	528	20330	-35	-2	11.3	10.5	-296	-2	-1	17.7	5955	67	5.3	121	0.227
16-45.9414-115.6750-2-12-	0-L16968	9269	508	20130	-33	-2	11.0	30.7	-228	-2	3	59.8	6198	71	18.3	105	0.130
16-45.9286-115.6481-2-11-	0-L16969	5848	250	10870	-44	-3	7.1	5.4	-261	-2	-1	4.9	3365	43	2.9	-26	1.247
16-45.9297-115.6403-2-12-	0-L16970	6733	443	20210	105	-3	10.8	21.7	-291	-2	2	36.8	5551	70	11.8	-49	0.185
16-45.9306-115.6394-2-12-	0-L16971	7452	616	24480	-37	-2	10.6	42.7	-285	-2	3	67.3	7654	73	14.2	127	0.130
16-45.9547-115.6442-2-12-	0-L16972	7460	801	25120	-49	-3	12.1	85.0	-296	-3	6	172.6	9100	85	34.3	189	0.144
16-45.9547-115.6458-2-12-	0-L16973	7981	554	20340	-53	-3	11.4	30.3	-322	-2	2	52.8	5954	64	12.9	95	0.157
16-45.9328-115.6275-2-12-	0-L16974	7701	606	25620	84	-3	12.0	39.1	-348	-2	3	71.0	8595	84	17.8	197	0.189
16-45.9333-115.6289-2-12-	0-L16975	7315	642	25650	-37	-3	12.3	42.4	-317	-2	2	63.0	7116	77	14.5	83	0.160
16-45.8806-115.4406-2-15-	0-L16976	8991	727	21960	144	-3	14.2	35.7	-282	-2	2	59.2	7527	88	19.4	132	0.197
16-45.9022-115.4314-2-12-	0-L16977	7314	580	22230	101	-3	13.4	18.8	-333	-3	1	31.6	5085	78	8.1		0.207
16-45.9019-115.4300-2-12-	0-L16978	8546	582	27180	-55	-3	11.3	102.0	-342	-3	7	187.3	6134	81	51.4	95	0.177
16-45.9139-115.4225-2-12-	0-L16979	6915	541	25130	-45	-3	12.7	66.0	-321	-2	5	107.5	4582	75	31.4	-58	0.190
16-45.9228-115.4122-2-12-	0-L16980	8841	542	27990	-38	-2	12.6	30.3	-261	-2	3	54.6	6351	74	18.1	108	0.212
16-45.9228-115.4111-2-12-	0-L16981	6689	662	26320	78	-3	12.7	157.1	-297	4	10	252.7	7134	81	67.5	-68	0.161
16-45.8917-115.4250-2-12-	0-L16982	4731	946	21400	-52	-3	9.8	72.0	-371	-3	5	127.1	7059	88	41.5	-60	0.199
16-45.8944-115.4753-2-12-	0-L16983	5488	407	23390	-44	-3	11.9	24.1	-276	-2	2	39.3	5741	76	11.6	137	0.180
16-45.9217-115.4692-2-12-	0-L16984	5447	784	16160	108	-3	13.9	14.2	-360	-2	-1	24.2	7330	93	9.1	-62	0.261
16-45.9233-115.4686-2-12-	0-L16985	6431	878	18300	66	-3	13.2	23.3	-369	-2	2	31.0	8857	98	8.9	-35	0.190
16-45.9231-115.4675-2-12-	0-L16986	14310	1056	19280	-44	-3	17.5	25.8	-309	4	2	38.2	17260	153	13.9	92	0.222
16-45.9144-115.4689-2-12-	0-L16987	8288	386	20870	-53	-3	13.7	45.4	459	-3	3	79.2	8239	82	14.6	85	0.142
16-45.8297-115.5825-2-12-	0-L16988	10600	1248	15890	108	-4	14.6	12.9	-461	-2	-1	26.6	5118	87	7.7	274	0.181
16-45.8306-115.5811-2-11-	0-L16989	7158	768	17050	-45	-3	13.1	82.6	-295	-2	5	129.7	7939	87	29.9	136	0.145
16-45.8308-115.5792-2-12-	0-L16990	8086	857	25540	-38	-2	12.8	77.8	-253	4	6	154.9	10170	84	39.6	89	0.144
16-45.8300-115.5733-2-12-	0-L16991	7632	701	25000	-46	-3	13.9	46.3	-301	-2	3	77.0	7683	84	20.8	119	0.144
16-45.8297-115.5558-2-12-	0-L16992	8436	1033	19510	88	-3	16.7	30.9	-365	-2	2	49.8	6433	77	14.9	118	0.205
16-45.8247-115.5253-2-12-	0-L16993	6030	348	11070	158	5	12.3	77.0	-277	-3	5	121.4	8418	99	32.4	-140	0.178
16-45.8239-115.5292-2-12-	0-L16994	4449	702	19880	107	6	10.0	97.3	-222	5	8	221.9	10410	84	57.4	69	0.104
16-45.7897-115.5408-2-12-	0-L16995	7404	719	15930	137	-2	15.1	21.2	-290	-2	2	30.7	5734	91	13.6	135	0.277
16-45.7897-115.5556-2-12-	0-L16996	5429	940	25390	-49	-3	12.8	96.2	-361	-2	6	153.0	9564	71	28.8	318	0.089
16-45.7833-115.5572-2-12-	0-L16997	6021	638	21730	107	-2	13.4	37.1	387	2	2	62.7	6183	75	14.6	100	0.131

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

(1)

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	LLL LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU,ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.7667-	115.5486-	2-	12-	0-	L16998-	07/29/79-	16-	29-	15.1-	-	-	8.0-	23-	6-	1-	7-	3-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	9.48
16-	45.8283-	115.5008-	2-	12-	0-	L16999-	07/29/79-	19-	26-	14.8-	-	-	7.6-	24-	11-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	10.61
16-	45.7578-	115.9444-	2-	12-	0-	L17000-	07/30/79-	13-	29-	14.6-	-	-	7.6-	29-	2-	1-	7-	5-	7-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	4.29
16-	45.7578-	115.9464-	2-	12-	0-	L17001-	07/30/79-	13-	29-	12.9-	-	-	7.8-	42-	9-	1-	7-	4-	7-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	6.18
16-	45.7231-	115.9764-	2-	12-	0-	L17002-	07/30/79-	14-	28-	15.2-	-	-	7.9-	12-	12-	1-	7-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	4.17
16-	45.7225-	115.9783-	2-	12-	0-	L17003-	07/30/79-	14-	28-	14.2-	-	-	7.8-	13-	14-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	7.46
16-	45.7039-	115.9889-	2-	12-	0-	L17004-	07/30/79-	14-	27-	13.2-	-	-	8.0-	11-	8-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	3.75
16-	45.6942-	115.9992-	2-	12-	0-	L17005-	07/30/79-	15-	28-	11.0-	-	-	7.7-	6-	5-	1-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	2.96
16-	45.6336-	115.9792-	2-	12-	0-	L17006-	07/30/79-	15-	29-	17.2-	-	-	7.3-	25-	5-	1-	6-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	7.23
16-	45.6214-	115.9433-	2-	11-	0-	L17007-	07/30/79-	17-	26-	3.2-	-	-	8.0-	6-	4-	1-	6-	4-	6-	3-	3-	1-	-4-	3-	4-	1-	-1-	-	-	-	-	-	-	8.47
16-	45.5953-	115.8847-	2-	11-	0-	L17008-	07/30/79-	17-	26-	6.0-	-	-	7.8-	7-	-2-	1-	5-	6-	2-	3-	1-	-1-	3-	4-	1-	-1-	-	-	-	-	-	-	-	3.47
16-	45.5872-	115.8658-	2-	12-	0-	L17009-	07/30/79-	18-	26-	10.4-	-	-	7.1-	10-	6-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	3.37
16-	45.5906-	115.9259-	2-	12-	0-	L17010-	07/30/79-	18-	26-	12.9-	-	-	7.3-	8-	3-	1-	6-	5-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	2.85
16-	45.6139-	115.9292-	2-	11-	0-	L17011-	07/30/79-	19-	25-	6.5-	-	-	7.6-	2-	7-	2-	1-	5-	6-	2-	2-	1-	-4-	3-	4-	1-	-1-	-	-	-	-	-	-	4.14
16-	45.6389-	115.9575-	2-	11-	0-	L17012-	07/30/79-	19-	26-	6.4-	-	-	7.7-	1-	7-	1-	7-	5-	6-	2-	3-	1-	-1-	3-	3-	1-	-1-	-	-	-	-	-	-	5.97
16-	45.7958-	115.4658-	2-	12-	0-	L17013-	07/29/79-	18-	29-	21.3-	-	-	7.5-	23-	9-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	75.53
16-	45.8028-	115.4728-	2-	12-	0-	L17014-	07/29/79-	18-	28-	17.3-	0-	-	7.4-	21-	-2-	6-	2-	6-	3-	3-	2-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	-	47.61
16-	45.7847-	115.4814-	2-	12-	0-	L17015-	07/29/79-	19-	28-	17.9-	0-	-	7.2-	24-	9-	2-	6-	5-	6-	2-	2-	6-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	10.95
16-	45.7853-	115.4828-	2-	12-	0-	L17016-	07/29/79-	19-	28-	20.1-	0-	-	7.1-	27-	7-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	11.96
16-	45.7911-	115.6542-	2-	11-	0-	L17017-	07/30/79-	11-	29-	13.9-	-	-	7.5-	127-	14-	2-	6-	5-	6-	2-	2-	1-	-1-	3-	3-	2-	-1-	-	-	-	-	-	-	7.59
16-	45.7897-	115.6517-	2-	12-	0-	L17018-	07/30/79-	11-	29-	10.9-	-	-	7.9-	20-	13-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.69
16-	45.7644-	115.6414-	2-	12-	0-	L17019-	07/30/79-	12-	30-	15.0-	-	-	7.6-	30-	9-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	8.52
16-	45.7617-	115.6403-	2-	12-	0-	L17020-	07/30/79-	12-	31-	12.5-	-	-	7.5-	15-	9-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	13.93
16-	45.7300-	115.6561-	2-	12-	0-	L17021-	07/30/79-	13-	31-	13.8-	-	-	7.9-	7-	6-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	11.38
16-	45.7303-	115.6550-	2-	12-	0-	L17022-	07/30/79-	13-	31-	11.5-	-	-	7.8-	2-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	9.48
16-	45.7361-	115.6578-	2-	12-	0-	L17023-	07/30/79-	13-	31-	12.6-	-	-	7.4-	10-	13-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	11.23
16-	45.7431-	115.6569-	2-	12-	0-	L17024-	07/30/79-	14-	31-	12.6-	-	-	7.4-	13-	9-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	16.12
16-	45.7544-	115.6578-	2-	12-	0-	L17025-	07/30/79-	14-	30-	13.2-	-	-	7.3-	17-	11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.95
16-	45.7533-	115.6578-	2-	12-	0-	L17026-	07/30/79-	14-	30-	14.5-	-	-	7.2-	9-	5-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	12.89
16-	45.7644-	115.6586-	2-	12-	0-	L17027-	07/30/79-	15-	30-	15.3-	-	-	7.3-	21-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	14.11
16-	45.7647-	115.6625-	2-	12-	0-	L17028-	07/30/79-	15-	30-	13.2-	-	-	7.4-	14-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	8.20
16-	45.7153-	115.7292-	2-	12-	0-	L17029-	07/30/79-	17-	28-	11.3-	-	-	7.5-	5-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	3.34
16-	45.7147-	115.7269-	2-	12-	0-	L17030-	07/30/79-	17-	28-	11.5-	-	-	7.5-	6-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	4.20
16-	45.7433-	115.7200-	2-	11-	0-	L17031-	07/30/79-	18-	27-	7.4-	-	-	7.4-	4-	14-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-1-	-	-	-	-	-	-	6.67
16-	45.7558-	115.7078-	2-	11-	0-	L17032-	07/30/79-	18-	28-	12.1-	-	-	7.1-	6-	4-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	3-	2-	-1-	-	-	-	-	-	-	5.03
16-	45.3883-	114.7089-	2-	12-	0-	L17033-	08/01/79-	13-	29-	11.7-	-	-	6.2-	155-	12-	2-	6-	3-	6-	3-	3-	1-	2-	3-	2-	4-	1-	-1-	-	-	-	-	-	5.43
16-	45.3969-	114.7317-	2-	12-	0-	L17034-	08/01/79-	14-	30-	19.2-	-	-	6.9-	122-	6-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	3.61
16-	45.3944-	114.7461-	2-	12-	0-	L17035-	08/01/79-	16-	28-	9.0-	-	-	7.3-	59-	12-	2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	-	7.56
16-	45.3914-	114.7694-	2-	12-	0-	L17036-	08/01/79-	16-	28-	15.7-	-	-	7.7-	157-	9-	2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	16.00
16-	45.3903-	114.7831-	2-	12-	0-	L17037-	08/01/79-	16-	27-	9.1-	-	-	8.0-	24-	8-	2-	6-	2-	6-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	39.30
16-	45.3911-	114.7831-	2-	12-	0-	L17038-	08/10/79-	17-	27-	11.2-	-	-	7.9-	27-	9-	2-	6-	1-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	9.62
16-	45.3906-	114.7914-	2-	12-	0-	L17039-	08/01/79-	17-	26-	14.4-	-	-	7.9-	55-	22-	2-	6-	1-	6-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	11.37
16-	45.3936-	114.8022-	2-	12-	0-	L17040-	08/01/79-	18-	26-	15.2-	-	-	8.0-	31-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.43
16-	45.3953-	114.8169-	2-	12-	0-	L17041-	08/01/79-	18-	26-	11.3-	-	-	8.0-	59-	51-	2-	6-	1-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	22.59
16-	45.4025-	114.8300-	2-	12-	0-	L17042-	08/01/79-	19-	25-	13.3-	-	-	7.9-	73-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	6.65
16-	45.4106-	114.8400-	2-	12-	0-	L17043-	08/01/79-	19-	25-	12.8-	-	-	8.1-	113-	9-	2-	6-	1-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	9.83
16-	45.4106-	114.8419-	2-	12-	0-	L17044-	08/01/79-	19-	24-	12.7-	-	-	8.1-	137-	18-	2-	6-	2-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	6.64
16-	45.4161-	114.8558-	2-	12-	0-	L17045-	08/01/79-	20-	25-	12.8-	-	-	8.3-	33-	12-	2-	6-	2-	6-	4-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	11.71
16-	45.4214-	114.8675-	2-	12-	0-	L17046-	08/02/79-	10-	26-	13.3-	-	-	7.7-	37-	21-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	-	7.50
16-	45.4183-	114.8733-	2-	12-	0-	L17047-	08/02/79-	11-	26-	11.2-	-	-	7.9-	176-	6-	2-	6-	4-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	10.65
16-	45.4219-	114.8789-	2-	12-	0-	L17048-	08/02/79-	11-	27-	12.6-	-	-	8.1-	91-	18-	2-	6-	1-	7-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	-	25.67

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.7667-	115.5486-	2-	12-		0-L16999	-5	8	-5	65	-20	21	97	-10	-15	28	-5	707	2	18
16-	45.8283-	115.5008-	2-	12-		0-L16999	-5	6	-5	19	30	-15	-5	-10	-15	17	-5	643	2	21
16-	45.7578-	115.9444-	2-	12-		0-L17000	-5	-5	-5	11	-20	-15	6	-10	-15	7	-5	610	2	14
16-	45.7578-	115.9444-	2-	12-		0-L17001	-5	-5	-5	30	23	45	6	-10	-15	13	-5	619	2	18
16-	45.7231-	115.9764-	2-	12-		0-L17002	-5	-5	-5	10	27	-15	-5	-10	-15	8	-5	792	2	22
16-	45.7225-	115.9783-	2-	12-		0-L17003	-5	6	-5	11	-20	-15	-5	-10	-15	8	-5	865	2	12
16-	45.7039-	115.9889-	2-	12-		0-L17004	-5	-5	-5	18	-20	-15	6	-10	-15	-5	-5	454	2	28
16-	45.6942-	115.9992-	2-	12-		0-L17005	-5	-5	-5	20	-20	-15	6	-10	-15	-5	-5	324	2	24
16-	45.6336-	115.9792-	2-	12-		0-L17006	-5	6	-5	32	-20	17	-5	-10	-15	13	-5	672	2	24
16-	45.6214-	115.9433-	2-	11-		0-L17007	-5	10	-5	26	-20	-15	6	-10	-15	6	-5	348	4	28
16-	45.5953-	115.8947-	2-	11-		0-L17008	-5	-5	-5	29	-20	-15	13	-10	-15	-5	-5	194	4	33
16-	45.5872-	115.8658-	2-	12-		0-L17009	-5	-5	-5	23	-20	-15	5	-10	-15	-5	-5	182	3	27
16-	45.5906-	115.9258-	2-	12-		0-L17010	-5	-5	-5	18	-20	-15	10	-10	-15	6	-5	192	2	23
16-	45.6139-	115.9292-	2-	11-		0-L17011	-5	-5	-5	-10	-20	-15	-5	-10	-15	-5	-5	223	3	35
16-	45.6389-	115.9575-	2-	11-		0-L17012	-5	-5	-5	21	-20	-15	5	-10	-15	7	-5	415	3	25
16-	45.7958-	115.4658-	2-	12-		0-L17013	-5	-5	-5	-10	-20	44	11	-10	36	9	-5	5410	1	17
16-	45.8028-	115.4728-	2-	12-		0-L17014	-5	-5	-5	-10	-20	34	30	-10	37	-5	-5	6018	2	26
16-	45.7847-	115.4814-	2-	12-		0-L17015	-5	8	-5	27	-20	-15	-5	-10	-15	12	-5	962	2	18
16-	45.7853-	115.4828-	2-	12-		0-L17016	-5	9	-5	22	46	-15	-5	-10	20	64	-5	953	2	13
16-	45.7911-	115.6542-	2-	11-		0-L17017	-5	6	-5	22	-20	-15	5	-10	-15	42	-5	383	2	48
16-	45.7897-	115.6517-	2-	12-		0-L17018	-5	9	-5	18	-20	16	5	-10	-15	12	-5	412	3	20
16-	45.7644-	115.6414-	2-	12-		0-L17019	-5	12	-5	16	-20	-15	59	-10	-15	6	-5	421	2	13
16-	45.7617-	115.6403-	2-	12-		0-L17020	-5	15	-5	22	-20	-15	5	-10	-15	12	-5	608	3	30
16-	45.7300-	115.6561-	2-	12-		0-L17021	-5	9	-5	18	-20	-15	10	-10	-15	-5	-5	244	3	34
16-	45.7303-	115.6550-	2-	12-		0-L17022	-5	17	-5	15	-20	-15	-5	-10	32	11	-5	1006	3	23
16-	45.7361-	115.6578-	2-	12-		0-L17023	-5	14	-5	-10	-20	-15	-5	-10	-15	14	-5	650	3	22
16-	45.7431-	115.6569-	2-	12-		0-L17024	-5	10	-5	17	-20	-15	9	-10	-15	11	-5	492	2	33
16-	45.7544-	115.6578-	2-	12-		0-L17025	-5	13	-5	21	-20	-15	7	-10	16	15	-5	419	2	34
16-	45.7533-	115.6578-	2-	12-		0-L17026	-5	15	-5	-10	-20	-15	11	-10	-15	9	-5	602	3	32
16-	45.7644-	115.6586-	2-	12-		0-L17027	-5	12	-5	27	-20	-15	23	-10	27	12	-5	465	3	31
16-	45.7647-	115.6625-	2-	12-		0-L17028	-5	11	-5	17	-20	15	18	-10	-15	12	-5	673	3	28
16-	45.7153-	115.7292-	2-	12-		0-L17029	-5	-5	-5	37	-20	-15	28	-10	-15	-5	-5	183	2	44
16-	45.7147-	115.7269-	2-	12-		0-L17030	-5	9	-5	27	-20	-15	8	-10	-15	11	-5	222	2	63
16-	45.7433-	115.7200-	2-	11-		0-L17031	-5	9	-5	25	-20	20	16	-10	-15	7	-5	208	3	48
16-	45.7558-	115.7078-	2-	11-		0-L17032	-5	9	-5	18	-20	-15	13	-10	-15	7	-5	275	2	22
16-	45.3883-	114.7089-	2-	12-		0-L17033	5	-5	-5	23	-20	31	-5	-10	-15	6	-5	1910	4	38
16-	45.3969-	114.7317-	2-	12-		0-L17034	-5	5	-5	22	-20	-15	12	-10	15	5	-5	209	-1	13
16-	45.3944-	114.7461-	2-	12-		0-L17035	-5	-5	-5	33	-20	66	7	-10	-15	-5	-5	301	2	79
16-	45.3914-	114.7694-	2-	12-		0-L17036	-5	12	-5	16	-20	20	-5	-10	-15	8	-5	912	2	49
16-	45.3903-	114.7831-	2-	12-		0-L17037	-5	7	-5	35	-20	69	5	-10	28	7	-5	663	1	83
16-	45.3911-	114.7831-	2-	12-		0-L17038	-5	12	-5	30	-20	16	17	-10	22	15	-5	722	2	47
16-	45.3906-	114.7914-	2-	12-		0-L17039	-5	5	-5	31	-20	66	7	-10	-15	-5	-5	282	1	77
16-	45.3936-	114.8022-	2-	12-		0-L17040	-5	9	-5	24	-20	-15	28	-10	-15	9	-5	500	2	25
16-	45.3953-	114.8169-	2-	12-		0-L17041	-5	6	-5	34	-20	29	9	-10	-15	-5	-5	1311	2	76
16-	45.4025-	114.8300-	2-	12-		0-L17042	-5	7	-5	38	-20	32	21	-10	-15	10	-5	873	3	44
16-	45.4106-	114.8400-	2-	12-		0-L17043	5	9	-5	30	-20	-15	16	-10	-15	17	-5	1126	2	26
16-	45.4106-	114.8419-	2-	12-		0-L17044	-5	6	-5	36	-20	-15	12	-10	-15	15	-5	710	2	15
16-	45.4161-	114.8558-	2-	12-		0-L17045	-5	-5	-5	34	-20	48	9	-10	-15	-5	-5	417	1	85
16-	45.4214-	114.8675-	2-	12-		0-L17046	-5	9	-5	33	-20	31	18	-10	-15	12	-5	684	2	26
16-	45.4183-	114.8733-	2-	12-		0-L17047	-5	7	-5	28	-20	43	-5	-10	21	12	-5	587	2	71
16-	45.4219-	114.8789-	2-	12-		0-L17048	-5	-5	-5	10	-20	16	9	-10	-15	7	-5	984	3	70

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS

Concentrations reported in weight parts per million (ppm)

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-45.7567-115.5486-2-12-	0-L16999	73870	0.39	1060	13520	395	-138	10.3	42	-1.8	20	2.9	31810	30.0	18410	167	1.2
16-45.8283-115.5008-2-12-	0-L16999	77370	-0.10	700	14280	472	119	13.4	79	3.5	23	4.3	40660	30.7	22750	200	1.8
16-45.7578-115.9444-2-12-	0-L17000	85770	-0.09	889	40290	163	-126	6.8	-10	-1.9	7	2.4	21940	23.4	7423	70	0.5
16-45.7578-115.9464-2-12-	0-L17001	80320	-0.10	1273	26790	134	-134	11.9	49	-2.0	9	1.9	30650	23.7	-4570	71	0.6
16-45.7231-115.9764-2-12-	0-L17002	93450	-0.08	1029	30360	108	-133	6.7	20	2.1	5	1.6	25100	29.3	13440	55	0.4
16-45.7225-115.9783-2-12-	0-L17003	83150	-0.08	1030	38240	249	-129	5.0	19	-1.6	10	2.6	20860	56.7	12710	109	0.7
16-45.7039-115.9889-2-12-	0-L17004	84090	-0.11	1033	27300	121	-138	6.5	-12	-2.1	6	1.6	20810	24.5	13440	58	0.5
16-45.6942-115.9992-2-12-	0-L17005	84810	-0.07	930	29920	106	-114	6.6	20	-1.4	4	1.5	18920	15.9	13950	46	0.3
16-45.6336-115.9792-2-12-	0-L17006	75080	-0.09	774	31500	195	-120	11.4	65	-1.8	9	1.8	37210	22.7	15220	92	0.6
16-45.6214-115.9433-2-11-	0-L17007	74220	-0.07	1169	18360	312	-113	6.7	37	3.3	15	2.5	22610	15.6	20700	144	0.9
16-45.5953-115.8847-2-11-	0-L17008	81950	-0.09	891	15000	80	230	5.0	33	3.0	6	1.2	23640	7.1	22910	37	0.3
16-45.5872-115.8658-2-12-	0-L17009	61450	-0.09	755	17530	74	191	10.1	46	3.7	5	1.2	30660	6.2	14200	29	0.4
16-45.5906-115.9258-2-12-	0-L17010	77640	-0.10	1481	13850	49	456	7.8	30	-2.0	-1	0.6	19830	6.4	16100	25	0.3
16-45.6139-115.9292-2-11-	0-L17011	71240	-0.07	1437	26170	54	-55	6.8	48	3.4	6	0.9	23470	8.6	30410	23	0.4
16-45.6389-115.9575-2-11-	0-L17012	69390	-0.10	585	9418	120	200	8.8	55	4.6	8	1.3	25130	16.1	22130	58	0.6
16-45.7958-115.4658-2-12-	0-L17013	53160	0.83	453	20720	2843	-117	10.4	133	-2.7	144	14.9	63310	434.9	9558	1226	12.6
16-45.8028-115.4728-2-12-	0-L17014	73470	0.32	658	18930	1704	173	8.9	66	3.5	80	11.6	37630	284.0	16090	707	6.6
16-45.7847-115.4814-2-12-	0-L17015	92780	0.20	834	13460	599	-144	13.2	61	-2.2	25	4.5	38670	45.0	18820	252	1.4
16-45.7853-115.4828-2-12-	0-L17016	58020	-0.12	833	24740	598	-141	23.5	63	5.5	29	5.1	69300	47.7	22980	235	1.9
16-45.7911-115.6542-2-11-	0-L17017	80210	-0.10	659	18760	130	-109	9.2	52	-2.1	10	2.1	31370	14.7	16720	51	0.6
16-45.7897-115.6517-2-12-	0-L17018	91600	-0.07	933	15540	232	-130	10.3	36	2.4	13	2.5	27630	15.7	16790	109	0.9
16-45.7644-115.6414-2-12-	0-L17019	76050	1.57	584	16420	349	-128	6.0	32	3.6	22	2.6	22010	20.6	14800	152	1.4
16-45.7617-115.6403-2-12-	0-L17020	89120	-0.11	737	16990	542	-142	7.7	45	2.8	33	3.4	26450	27.6	15020	216	2.4
16-45.7300-115.6561-2-12-	0-L17021	73980	-0.07	819	18100	259	-120	6.0	23	-1.4	14	2.0	18960	11.7	14760	108	1.0
16-45.7303-115.6550-2-12-	0-L17022	72850	-0.07	816	15740	339	-107	5.7	27	2.4	22	2.5	22480	20.4	22070	155	1.7
16-45.7361-115.6578-2-12-	0-L17023	83080	-0.08	570	18520	563	-151	6.3	33	-1.6	34	3.8	23000	29.4	15290	243	2.5
16-45.7431-115.6569-2-12-	0-L17024	80210	-0.10	697	15750	308	198	6.8	35	3.2	18	2.4	25010	23.3	15300	135	1.5
16-45.7544-115.6578-2-12-	0-L17025	81490	-0.10	578	14980	291	-123	9.0	51	-2.1	17	3.1	26440	22.3	19270	135	1.1
16-45.7533-115.6578-2-12-	0-L17026	77010	-0.07	722	19220	452	-117	6.2	34	-1.4	22	3.0	22750	24.2	20510	203	1.5
16-45.7644-115.6586-2-12-	0-L17027	85250	0.32	694	16450	525	-136	8.7	46	-1.8	32	3.8	29920	24.4	17290	221	2.2
16-45.7647-115.6625-2-12-	0-L17028	82770	-0.10	656	16450	326	-136	12.1	47	4.5	18	2.9	33080	28.4	20840	138	1.0
16-45.7153-115.7292-2-12-	0-L17029	94380	-0.11	980	16420	97	-151	8.3	31	3.7	7	1.2	27390	6.0	19900	41	0.5
16-45.7147-115.7269-2-12-	0-L17030	96380	-0.09	793	13640	161	-133	8.1	21	4.8	8	1.6	28620	7.6	18440	68	0.6
16-45.7433-115.7200-2-11-	0-L17031	89590	-0.08	793	13420	136	286	11.1	32	3.6	12	1.9	31310	7.4	21920	59	0.8
16-45.7559-115.7078-2-11-	0-L17032	82860	-0.09	594	16870	236	-167	10.7	22	-1.8	16	2.3	25000	11.9	10060	102	1.0
16-45.3883-114.7089-2-12-	0-L17033	77420	-0.13	1400	32630	216	340	14.1	72	3.5	9	3.8	55340	55.5	20780	91	0.5
16-45.3959-114.7317-2-12-	0-L17034	35250	-0.11	506	34060	99	377	7.7	62	3.6	5	1.2	22070	10.8	11290	38	0.3
16-45.3944-114.7461-2-12-	0-L17035	69190	-0.10	499	47350	89	-112	27.8	504	6.9	5	1.4	54130	10.0	14420	41	0.3
16-45.3914-114.7694-2-12-	0-L17036	80080	-0.09	667	25030	483	-131	9.1	67	2.5	18	2.2	28740	41.3	15760	211	1.1
16-45.3903-114.7831-2-12-	0-L17037	71140	-0.13	478	29000	142	-123	24.3	252	6.3	8	1.3	50070	23.4	16110	67	0.6
16-45.3911-114.7831-2-12-	0-L17038	64280	-0.08	822	17120	142	-94	18.1	105	3.7	8	1.5	31520	26.8	19710	70	0.7
16-45.3906-114.7914-2-12-	0-L17039	81300	-0.09	481	27070	147	-117	16.3	173	4.2	6	1.5	39720	13.4	16610	65	0.5
16-45.3936-114.8022-2-12-	0-L17040	58130	-0.08	841	15270	133	-97	27.5	99	4.8	7	1.7	30900	22.9	22110	65	0.5
16-45.3953-114.8169-2-12-	0-L17041	56310	-0.13	664	38870	204	-120	21.4	178	5.3	8	2.2	57240	49.4	18470	93	0.7
16-45.4025-114.8300-2-12-	0-L17042	58810	-0.08	794	18010	185	-86	26.6	120	4.3	7	1.7	33180	34.0	20930	85	0.7
16-45.4106-114.8400-2-12-	0-L17043	58160	1.31	871	17870	230	136	25.2	137	3.9	10	2.2	41720	63.1	21660	106	0.9
16-45.4106-114.8419-2-12-	0-L17044	54170	-0.07	844	15810	142	-96	24.4	101	4.4	9	1.7	29910	27.9	21160	66	0.6
16-45.4161-114.8558-2-12-	0-L17045	78350	-0.11	819	30900	228	-127	16.2	161	3.1	10	1.3	37060	21.6	-4337	106	0.8
16-45.4214-114.8675-2-12-	0-L17046	60870	-0.09	674	19920	204	-97	22.2	113	4.4	10	1.6	38000	26.1	19670	93	0.7
16-45.4183-114.8733-2-12-	0-L17047	74240	-0.10	673	27920	165	183	17.7	142	5.3	8	1.3	43900	21.3	18300	78	0.6
16-45.4219-114.8789-2-12-	0-L17048	67860	-0.11	617	30680	200	-150	17.2	98	3.3	12	1.7	48440	39.6	17710	105	0.8

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.7667-	115.5486-	2-	12-		0-L16998	5357	1094	18530	98	4	9.4	30.3	-335	-2	2	64.7	5771	78	13.3	155	0.147
16-	45.8283-	115.5008-	2-	12-		0-L16999	5893	653	20400	100	-2	13.7	38.4	-268	-2	3	66.5	8296	80	18.9	90	0.160
16-	45.7578-	115.9444-	2-	12-		0-L17000	7257	643	26820	55	-3	14.0	11.5	531	-1	-1	17.4	5716	68	6.2	-41	0.247
16-	45.7578-	115.9464-	2-	12-		0-L17001	7345	1046	21990	-39	-3	13.1	11.1	-364	-2	-1	20.0	5955	119	5.3	207	0.309
16-	45.7231-	115.9764-	2-	12-		0-L17002	6232	526	25680	-32	-2	10.7	7.6	-258	-1	-1	13.5	4904	70	4.2	-24	0.309
16-	45.7225-	115.9783-	2-	12-		0-L17003	5796	585	26700	-31	-2	12.3	17.5	895	4	1	29.7	6801	57	7.6	71	0.251
16-	45.7039-	115.9889-	2-	12-		0-L17004	5597	590	22010	-39	-3	8.9	7.9	-356	-1	-1	13.2	4352	51	5.0	-64	0.284
16-	45.6942-	115.9992-	2-	12-		0-L17005	4635	539	26480	-27	-2	9.0	7.4	599	-1	-1	11.7	4090	63	3.7	75	0.253
16-	45.6336-	115.9792-	2-	12-		0-L17006	11650	987	18100	-37	-2	13.7	13.9	-287	-2	-1	29.9	7131	110	7.5	127	0.242
16-	45.6214-	115.9433-	2-	11-		0-L17007	13690	723	14420	76	-2	6.9	23.4	-260	-2	2	42.7	4669	41	10.5	59	0.198
16-	45.5953-	115.8847-	2-	11-		0-L17008	6223	403	24270	-31	-2	8.0	6.6	-285	-1	-1	12.2	3848	49	4.3	-33	0.284
16-	45.5872-	115.8658-	2-	12-		0-L17009	16890	506	11370	65	-2	10.3	5.9	-256	-1	-1	10.2	4637	65	3.5	-39	0.330
16-	45.5906-	115.9258-	2-	12-		0-L17010	7767	609	17060	-39	-3	7.0	3.7	-330	-2	-1	5.9	3957	59	-1.8	-48	0.483
16-	45.6139-	115.9292-	2-	11-		0-L17011	30750	410	1977	123	-2	9.0	5.2	-180	-1	-1	9.5	3469	54	4.4	86	0.436
16-	45.6389-	115.9575-	2-	11-		0-L17012	7756	472	11670	137	-3	9.3	8.6	-264	2	-1	22.3	6398	79	6.0	-49	0.268
16-	45.7958-	115.4658-	2-	12-		0-L17013	6502	1417	16780	-56	-4	18.2	279.9	-353	11	18	511.9	16090	160	128.9	-71	0.148
16-	45.8028-	115.4728-	2-	12-		0-L17014	7437	808	21210	62	-3	14.0	121.6	-264	4	9	271.2	9946	92	67.5	102	0.176
16-	45.7847-	115.4814-	2-	12-		0-L17015	7525	569	24150	128	3	11.9	45.0	464	3	2	87.5	6048	77	15.5		0.125
16-	45.7853-	115.4828-	2-	12-		0-L17016	7377	2255	15040	109	7	14.6	52.4	-484	8	3	82.0	12440	115	22.8	89	0.146
16-	45.7911-	115.6542-	2-	11-		0-L17017	9693	393	16370	-40	-3	11.8	11.7	-266	-2	-1	19.8	4694	63	7.1	-43	0.383
16-	45.7897-	115.6517-	2-	12-		0-L17018	5540	880	24730	91	-2	9.2	16.9	-277	-2	-1	38.8	3517	53	8.1	76	0.172
16-	45.7644-	115.6414-	2-	12-		0-L17019	3539	415	25660	86	-2	7.3	31.6	-240	-2	2	65.8	4307	45	14.5	84	0.129
16-	45.7617-	115.6403-	2-	12-		0-L17020	5202	571	24730	-42	-3	9.7	46.8	-281	-2	4	97.4	4379	62	24.6	109	0.143
16-	45.7300-	115.6561-	2-	12-		0-L17021	6604	596	27830	-29	-2	6.4	19.8	-284	3	2	39.5	3398	37	10.0	75	0.288
16-	45.7303-	115.6550-	2-	12-		0-L17022	4153	615	24410	98	-2	7.4	27.1	458	-1	3	55.5	4392	45	18.1	77	0.171
16-	45.7361-	115.6578-	2-	12-		0-L17023	6010	606	31910	-36	-2	7.5	47.3	-285	-2	4	92.4	4782	47	27.9	113	0.122
16-	45.7431-	115.6569-	2-	12-		0-L17024	6399	719	22600	114	-3	9.5	23.3	-336	-2	2	48.4	3940	42	15.5	105	0.333
16-	45.7544-	115.6578-	2-	12-		0-L17025	6340	790	19010	-39	-3	9.7	26.6	-343	-2	1	45.1	4401	58	12.7	107	0.154
16-	45.7533-	115.6578-	2-	12-		0-L17026	5625	655	26230	-29	-2	7.3	34.9	536	3	3	75.9	3984	48	18.0	36	0.170
16-	45.7644-	115.6586-	2-	12-		0-L17027	5266	784	23070	121	-2	10.8	45.6	-292	-2	3	95.2	5482	57	25.1	128	0.148
16-	45.7647-	115.6625-	2-	12-		0-L17028	8741	714	19540	88	-3	11.4	27.1	-288	-2	2	46.4	5652	76	11.0	100	0.177
16-	45.7153-	115.7292-	2-	12-		0-L17029	6590	479	27270	-43	-3	8.2	6.9	-353	-1	-1	12.0	3558	53	4.5	-79	0.278
16-	45.7147-	115.7269-	2-	12-		0-L17030	5055	553	26180	-34	-2	8.6	10.9	479	-1	-1	24.3	4057	58	6.9	-86	0.173
16-	45.7433-	115.7200-	2-	11-		0-L17031	5687	773	23370	83	-2	10.2	12.1	-282	-2	1	20.3	4681	74	9.9	104	0.329
16-	45.7558-	115.7078-	2-	11-		0-L17032	6036	978	25970	-41	-2	7.4	20.7	-358	-2	-1	35.5	4842	48	10.8	67	0.142
16-	45.3883-	114.7089-	2-	12-		0-L17033	13550	1052	22500	-48	-3	16.5	14.7	978	-1	-1	10.3	7629	77	5.6	95	0.527
16-	45.3969-	114.7317-	2-	12-		0-L17034	7952	597	11180	-40	-3	7.2	7.5	-324	-2	-1	17.7	3318	55	3.5	232	0.204
16-	45.3944-	114.7461-	2-	12-		0-L17035	34390	1039	20020	88	-3	25.9	7.5	464	-2	-1	11.0	5208	151	-1.6	149	0.687
16-	45.3914-	114.7694-	2-	12-		0-L17036	8170	636	25310	88	-2	11.1	38.9	328	-2	2	74.4	3248	72	13.1	99	0.215
16-	45.3903-	114.7831-	2-	12-		0-L17037	19490	1094	18000	140	-3	19.4	8.6	-363	-2	-1	16.5	5416	103	6.9	-53	2.382
16-	45.3911-	114.7831-	2-	12-		0-L17038	8186	588	16820	104	-2	10.8	9.3	-241	-1	-1	19.6	4992	74	6.7	-64	0.491
16-	45.3906-	114.7914-	2-	12-		0-L17039	18470	877	21010	-36	-2	15.6	9.8	299	-1	-1	23.7	3536	110	5.9	171	0.480
16-	45.3936-	114.8022-	2-	12-		0-L17040	6702	508	15490	98	-2	9.8	9.5	-208	-1	-1	20.1	3854	63	5.4	123	0.320
16-	45.3953-	114.8169-	2-	12-		0-L17041	23860	1200	18970	90	-4	23.9	18.1	-366	3	-1	33.3	8627	117	7.8	-56	0.678
16-	45.4025-	114.8300-	2-	12-		0-L17042	10090	618	15760	69	-2	10.9	11.4	-234	2	-1	26.3	5058	78	6.7	-48	0.253
16-	45.4106-	114.8400-	2-	12-		0-L17043	9630	744	15960	92	-2	11.8	13.3	-205	2	1	36.3	6391	91	11.3	143	0.271
16-	45.4106-	114.8419-	2-	12-		0-L17044	8512	506	15390	119	-2	9.7	9.6	-207	3	-1	23.0	3977	64	6.1	64	0.289
16-	45.4161-	114.8558-	2-	12-		0-L17045	17690	1051	21590	-40	-3	17.9	15.5	-348	-2	-1	44.3	3683	88	9.4	55	0.264
16-	45.4214-	114.8675-	2-	12-		0-L17046	10680	812	16630	105	-2	13.0	13.6	-271	-1	1	33.1	5352	87	8.4	-39	0.227
16-	45.4183-	114.8733-	2-	12-		0-L17047	15340	1148	18240	88	-3	15.7	11.7	-302	-2	1	27.8	5885	112	5.9	-140	0.383
16-	45.4219-	114.8789-	2-	12-		0-L17048	12310	1079	20730	89	-3	18.4	16.5	-343	-2	1	31.3	6891	83	8.8	163	0.820

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						ASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	ASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, µR/h)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.4264-	114.8844-	2-	12-		0-L17049-	08/02/79-	11-	27-	12.3-	-	-	8.2-	33-	8-	2-	6-	1-	7-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	11.84
16-	45.4356-	114.8922-	2-	12-		0-L17050-	08/02/79-	11-	28-	12.1-	-	-	7.9-	230-	11-	2-	6-	2-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	21.05
16-	45.4492-	114.9144-	2-	15-		0-L17051-	08/02/79-	12-	28-	-	-	-	-	-	11-	2-	6-	3-	1-	-1-	-2-	3-	3-	5-	1-	-1-	-	-1-	-	-	-	-	12.89
16-	45.4492-	114.9197-	2-	12-		0-L17052-	08/02/79-	12-	28-	13.2-	-	-	8.0-	55-	30-	2-	6-	2-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	15.68
16-	45.4544-	114.9319-	2-	12-		0-L17053-	08/02/79-	13-	27-	16.5-	-	-	8.0-	57-	13-	2-	6-	2-	1-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	24.38
16-	45.4722-	114.9617-	2-	12-		0-L17054-	08/02/79-	13-	28-	15.2-	-	-	8.2-	46-	4-	2-	6-	2-	7-	4-	3-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	12.85
16-	45.4736-	114.9622-	2-	12-		0-L17055-	08/02/79-	13-	31-	16.4-	-	-	7.9-	23-	6-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	5.39
16-	45.4875-	114.9736-	2-	12-		0-L17056-	08/02/79-	14-	29-	16.2-	-	-	8.1-	90-	12-	2-	6-	1-	7-	3-	3-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	6.58
16-	45.4978-	114.9972-	2-	12-		0-L17057-	08/02/79-	14-	29-	10.6-	-	-	7.9-	32-	20-	2-	6-	1-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	15.11
16-	45.5033-	115.0058-	2-	12-		0-L17058-	08/02/79-	16-	29-	17.0-	-	-	7.9-	71-	35-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	8.50
16-	45.5086-	115.0236-	2-	12-		0-L17059-	08/02/79-	16-	29-	17.4-	-	-	7.9-	21-	10-	2-	6-	2-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	8.53
16-	45.5064-	115.0258-	2-	12-		0-L17060-	08/02/79-	16-	30-	8.5-	-	-	8.0-	39-	15-	2-	6-	1-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	11.26
16-	45.5125-	115.0425-	2-	11-		0-L17061-	08/03/79-	10-	24-	55.3-	C-	-	8.7-	483-	35-	2-	6-	1-	1-	4-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	9.50
16-	45.5106-	115.0414-	2-	12-		0-L17062-	08/03/79-	10-	25-	13.1-	-	-	8.7-	32-	15-	2-	6-	2-	6-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	6.85
16-	45.6725-	115.9033-	2-	12-		0-L17063-	07/29/79-	17-	27-	13.5-	-	-	8.8-	12-	8-	2-	7-	2-	6-	3-	3-	1-	1-	1-	4-	3-	1-	-1-	-	-	-	-	5.53
16-	45.6778-	115.9044-	2-	12-		0-L17064-	07/29/79-	18-	26-	13.1-	-	-	8.4-	15-	19-	2-	7-	1-	7-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	6.47
16-	45.6733-	115.9572-	2-	11-		0-L17065-	07/29/79-	20-	23-	6.0-	-	-	8.9-	27-	4-	2-	7-	5-	8-	2-	3-	1-	-	-1-	3-	3-	1-	-1-	-	-	-	-	3.44
16-	45.7597-	115.2342-	2-	12-		0-L17066-	07/31/79-	12-	29-	14.0-	-	-	8.0-	22-	16-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	15.80
16-	45.7619-	115.2378-	2-	12-		0-L17067-	07/31/79-	11-	27-	16.6-	-	-	8.1-	29-	21-	2-	7-	3-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	12.33
16-	45.7772-	115.2181-	2-	12-		0-L17068-	07/31/79-	12-	29-	14.4-	-	-	8.1-	30-	4-	2-	7-	5-	8-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	6.57
16-	45.7786-	115.2072-	2-	12-		0-L17069-	07/31/79-	12-	30-	14.4-	-	-	8.2-	25-	14-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	13.38
16-	45.7775-	115.2075-	2-	12-		0-L17070-	07/31/79-	12-	31-	12.8-	-	-	8.4-	21-	9-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	13.76
16-	45.7856-	115.2075-	2-	12-		0-L17071-	07/31/79-	13-	32-	13.5-	-	-	8.3-	21-	5-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	9.91
16-	45.7878-	115.1978-	2-	11-		0-L17072-	07/31/79-	13-	31-	49.8-	-	-	-	655-	14-	2-	7-	1-	7-	2-	3-	1-	-	-1-	4-	3-	1-	-1-	-	-	-	-	8.22
16-	45.7794-	115.1950-	2-	12-		0-L17073-	07/31/79-	13-	32-	13.6-	-	-	9.1-	18-	11-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	11.91
16-	45.7806-	115.1914-	2-	12-		0-L17074-	07/31/79-	15-	32-	13.9-	-	-	9.0-	29-	7-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	10.18
16-	45.7736-	115.1378-	2-	12-		0-L17075-	07/31/79-	16-	30-	12.8-	-	-	9.3-	10-	11-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	10.86
16-	45.7744-	115.1372-	2-	12-		0-L17076-	07/31/79-	16-	30-	14.1-	-	-	9.0-	12-	9-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	11.22
16-	45.7750-	115.1267-	2-	12-		0-L17077-	07/31/79-	16-	31-	19.5-	-	-	8.9-	12-	8-	2-	7-	2-	4-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	12.25
16-	45.8092-	115.3069-	2-	12-		0-L17078-	08/01/79-	12-	28-	19.2-	-	-	8.3-	42-	17-	2-	7-	5-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	7.92
16-	45.7778-	115.2428-	2-	12-		0-L17079-	07/31/79-	18-	27-	13.5-	-	-	8.5-	24-	10-	2-	7-	5-	8-	2-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	9.05
16-	45.7775-	115.2439-	2-	12-		0-L17080-	07/31/79-	18-	27-	14.2-	-	-	8.4-	24-	9-	2-	7-	2-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	13.24
16-	45.3706-	114.6892-	2-	12-		0-L17081-	08/15/79-	19-	23-	15.1-	-	-	8.1-	116-	15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	3.39
16-	45.7561-	115.2553-	2-	12-		0-L17082-	07/31/79-	19-	25-	14.9-	-	-	8.6-	18-	11-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	9.99
16-	45.7569-	115.2561-	2-	12-		0-L17083-	07/31/79-	20-	25-	18.9-	-	-	8.4-	32-	11-	2-	7-	4-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	13.78
16-	45.7997-	115.3217-	2-	12-		0-L17084-	08/01/79-	13-	30-	14.7-	-	-	8.5-	22-	12-	2-	7-	5-	8-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	10.02
16-	45.8033-	115.3219-	2-	12-		0-L17085-	08/01/79-	13-	30-	19.9-	-	-	8.3-	41-	18-	2-	7-	2-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	11.34
16-	45.7986-	115.3336-	2-	12-		0-L17086-	08/01/79-	13-	31-	15.9-	-	-	8.5-	33-	13-	2-	7-	5-	6-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	6.97
16-	45.7886-	115.3667-	2-	12-		0-L17087-	08/01/79-	14-	31-	16.5-	-	-	8.5-	29-	8-	2-	7-	3-	7-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	16.59
16-	45.8222-	115.3550-	2-	12-		0-L17088-	08/01/79-	15-	31-	16.9-	-	-	9.0-	17-	6-	2-	7-	2-	6-	3-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	16.54
16-	45.8189-	115.3361-	2-	12-		0-L17089-	08/01/79-	15-	31-	19.4-	-	-	8.9-	18-	11-	2-	7-	2-	7-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	11.28
16-	45.8647-	115.3519-	2-	12-		0-L17090-	08/01/79-	18-	26-	13.5-	-	-	9.1-	10-	8-	2-	7-	5-	8-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	11.12
16-	45.8542-	115.3611-	2-	12-		0-L17091-	08/01/79-	18-	27-	15.4-	-	-	9.0-	8-	13-	2-	7-	2-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	15.88
16-	45.8603-	115.3639-	2-	11-		0-L17092-	08/01/79-	18-	26-	8.7-	-	-	8.7-	20-	12-	2-	7-	5-	8-	3-	3-	1-	-	-1-	3-	3-	1-	-1-	-	-	-	-	8.07
16-	45.8792-	115.1961-	2-	12-		0-L17093-	08/03/79-	15-	28-	13.8-	-	-	6.5-	52-	5-	2-	7-	5-	8-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	10.83
16-	45.7872-	115.3575-	2-	12-		0-L17094-	08/01/79-	11-	27-	11.4-	-	-	8.2-	24-	35-	2-	7-	2-	6-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	14.78
16-	45.7883-	115.3578-	2-	12-		0-L17095-	08/01/79-	11-	27-	14.3-	-	-	8.2-	41-	18-	2-	7-	2-	7-	3-	3-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	13.70
16-	45.8792-	115.1836-	2-	12-		0-L17096-	08/03/79-	16-	28-	12.9-	-	-	6.7-	22-	12-	2-	7-	1-	6-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	10.37
16-	45.8769-	115.1683-	2-	12-		0-L17097-	08/03/79-	16-	28-	11.4-	-	-	6.6-	24-	9-	2-	7-	5-	8-	2-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	6.16
16-	45.8742-	115.1344-	2-	12-		0-L17098-	08/03/79-	17-	28-	18.5-	-	-	6.8-	14-	25-	2-	7-	1-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	11.06
16-	45.8744-	115.1358-	2-	12-		0-L17099-	08/03/79-	17-	25-	13.3-	-	-	6.6-	24-	19-	2-	7-	2-	6-	3-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	25.64

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.4264-	114.8844-	2-	12-	0-	L17049	-5	6	-5	37	-20	22	11	-10	-15	9	-5	796	1	42
16-	45.4356-	114.8922-	2-	12-	0-	L17050	-5	7	-5	40	-20	40	7	-10	-15	8	-5	1036	1	67
16-	45.4492-	114.9144-	2-	15-	0-	L17051	6	17	-5	42	-20	15	13	-10	36	34	-5	1854	6	18
16-	45.4492-	114.9197-	2-	12-	0-	L17052	-5	-5	-5	24	-20	28	6	-10	-15	7	-5	302	2	78
16-	45.4544-	114.9319-	2-	12-	0-	L17053	10	18	-5	11	-20	29	-5	-10	43	22	-5	4047	1	48
16-	45.4722-	114.9617-	2-	12-	0-	L17054	-5	9	-5	15	-20	20	15	-10	17	7	-5	1531	2	25
16-	45.4736-	114.9622-	2-	12-	0-	L17055	-5	9	-5	-10	-20	-15	14	-10	-15	5	-5	573	2	25
16-	45.4875-	114.9736-	2-	12-	0-	L17056	-5	7	-5	38	-20	-15	21	-10	21	9	-5	484	2	24
16-	45.4978-	114.9972-	2-	12-	0-	L17057	5	13	-5	47	-20	39	18	10	-15	12	-5	1501	2	33
16-	45.5033-	115.0058-	2-	12-	0-	L17058	-5	16	-5	45	-20	-15	19	-10	-15	30	-5	1034	2	23
16-	45.5086-	115.0236-	2-	12-	0-	L17059	-5	9	-5	24	-20	22	5	-10	-15	5	-5	634	2	36
16-	45.5064-	115.0258-	2-	12-	0-	L17060	-5	10	-5	44	-20	45	12	-10	20	11	-5	641	2	37
16-	45.5125-	115.0425-	2-	11-	0-	L17061	-5	-5	-5	48	-20	-15	33	-10	-15	-5	-5	286	4	109
16-	45.5106-	115.0414-	2-	12-	0-	L17062	-5	6	-5	27	-20	-15	17	-10	-15	10	-5	817	2	23
16-	45.6725-	115.9033-	2-	12-	0-	L17063	-5	-5	-5	15	-20	-15	7	-10	-15	5	-5	257	2	24
16-	45.6778-	115.9044-	2-	12-	0-	L17064	-5	6	-5	25	-20	-15	8	-10	-15	13	-5	332	2	17
16-	45.6733-	115.9572-	2-	11-	0-	L17065	-5	5	-5	36	-20	-15	22	-10	-15	-5	-5	291	2	24
16-	45.7597-	115.2342-	2-	12-	0-	L17066	-5	9	-5	14	-20	-15	7	-10	-15	7	-5	1180	2	24
16-	45.7619-	115.2379-	2-	12-	0-	L17067	-5	6	-5	14	-20	21	10	-10	17	-5	-5	1227	1	32
16-	45.7772-	115.2181-	2-	12-	0-	L17068	-5	5	-5	17	-20	-15	14	-10	17	5	-5	325	1	36
16-	45.7786-	115.2072-	2-	12-	0-	L17069	5	7	-5	-10	-20	15	7	-10	23	7	-5	1167	2	45
16-	45.7775-	115.2075-	2-	12-	0-	L17070	-5	14	-5	-10	-20	-15	-5	-10	22	11	-5	1136	2	44
16-	45.7856-	115.2075-	2-	12-	0-	L17071	-5	-5	-5	19	-20	-15	8	-10	-15	-5	-5	567	2	27
16-	45.7878-	115.1978-	2-	11-	0-	L17072	-5	-5	-5	12	-20	-15	16	-10	-15	-5	-5	540	3	160
16-	45.7794-	115.1950-	2-	12-	0-	L17073	-5	-5	-5	-10	-20	-15	7	-10	-15	-5	-5	849	3	42
16-	45.7806-	115.1914-	2-	12-	0-	L17074	-5	6	-5	-10	-20	-15	10	-10	-15	6	-5	524	2	45
16-	45.7736-	115.1378-	2-	12-	0-	L17075	-5	5	-5	14	-20	-15	12	-10	-15	-5	-5	575	3	57
16-	45.7744-	115.1372-	2-	12-	0-	L17076	-5	9	-5	16	-20	-15	10	-10	-15	6	-5	621	2	33
16-	45.7750-	115.1267-	2-	12-	0-	L17077	-5	6	-5	14	-20	26	14	-10	-15	-5	-5	682	2	44
16-	45.8092-	115.3069-	2-	12-	0-	L17078	-5	-5	-5	19	-20	27	5	-10	26	10	-5	632	3	22
16-	45.7778-	115.2428-	2-	12-	0-	L17079	-5	-5	-5	13	-20	-15	9	-10	-15	7	-5	805	2	23
16-	45.7775-	115.2439-	2-	12-	0-	L17080	-5	9	-5	-10	-20	-15	-5	-10	-15	13	-5	1298	2	20
16-	45.3706-	114.6892-	2-	12-	0-	L17081	-5	6	-5	50	-20	21	10	-10	-15	8	-5	408	2	72
16-	45.7561-	115.2553-	2-	12-	0-	L17082	-5	-5	-5	26	-20	16	13	-10	-15	-5	-5	548	2	36
16-	45.7569-	115.2561-	2-	12-	0-	L17083	-5	7	-5	-10	-20	-15	11	-10	-15	6	-5	1468	2	45
16-	45.7997-	115.3217-	2-	12-	0-	L17084	-5	-5	-5	22	-20	-15	12	-10	-15	-5	-5	1035	2	40
16-	45.8033-	115.3219-	2-	12-	0-	L17085	-5	5	-5	-10	-20	15	-5	-10	18	18	-5	1347	-1	18
16-	45.7986-	115.3336-	2-	12-	0-	L17086	-5	7	-5	-10	-20	15	5	-10	-15	7	-5	516	3	30
16-	45.7886-	115.3667-	2-	12-	0-	L17087	-5	15	-5	16	-20	16	6	-10	-15	13	-5	1758	2	18
16-	45.8222-	115.3550-	2-	12-	0-	L17088	-5	15	-5	16	20	20	7	-10	15	8	-5	1057	2	24
16-	45.8189-	115.3361-	2-	12-	0-	L17089	-5	11	-5	-10	-20	17	-5	-10	23	8	-5	915	2	21
16-	45.8647-	115.3619-	2-	12-	0-	L17090	-5	9	-5	26	-20	-15	5	-10	17	7	-5	346	2	20
16-	45.8642-	115.3611-	2-	12-	0-	L17091	-5	17	-5	12	-20	15	-5	-10	-15	9	-5	918	2	22
16-	45.8603-	115.3639-	2-	11-	0-	L17092	-5	-5	-5	66	-20	-15	-5	-10	22	11	-5	490	2	29
16-	45.8792-	115.1961-	2-	12-	0-	L17093	-5	-5	-5	22	-20	-15	15	-10	-15	7	-5	172	3	22
16-	45.7872-	115.3575-	2-	12-	0-	L17094	-5	17	-5	15	-20	-15	9	-10	24	11	-5	1069	2	16
16-	45.7883-	115.3578-	2-	12-	0-	L17095	6	5	-5	19	75	28	27	-10	-15	8	-5	1508	4	38
16-	45.8792-	115.1836-	2-	12-	0-	L17096	-5	-5	-5	13	-20	-15	12	-10	-15	-5	-5	351	4	19
16-	45.8769-	115.1683-	2-	12-	0-	L17097	-5	-5	-5	-10	-20	-15	5	-10	-15	5	-5	360	2	42
16-	45.8742-	115.1344-	2-	12-	0-	L17098	-5	9	-5	25	-20	15	23	-10	-15	7	-5	477	5	94
16-	45.8744-	115.1358-	2-	12-	0-	L17099	-5	11	-5	11	-20	-15	21	-10	-15	-5	-5	530	9	44

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
							Concentrations reported in weight parts per million (ppm)															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAB SAMPLE LOCATION NUMBER	Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.4264-	114.8844-	2-	12-	0-	L17049	58360	-0.11	643	22340	278	-114	19.9	125	2.8	12	1.6	38370	39.1	17110	134	0.8
16-	45.4356-	114.8922-	2-	12-	0-	L17050	69110	-0.11	618	24150	191	-110	15.1	146	4.7	10	1.7	42550	42.0	17620	93	0.9
16-	45.4492-	114.9144-	2-	15-	0-	L17051	53510	0.16	853	18270	319	-93	22.7	146	3.0	11	2.4	48140	84.4	19260	145	1.2
16-	45.4492-	114.9197-	2-	12-	0-	L17052	78730	-0.09	679	23290	130	-130	12.8	97	6.7	8	1.6	37590	13.7	16840	67	0.6
16-	45.4544-	114.9319-	2-	12-	0-	L17053	63500	-0.14	499	33730	695	185	16.8	105	-2.5	17	3.3	55530	159.1	20630	350	1.8
16-	45.4722-	114.9617-	2-	12-	0-	L17054	59690	-0.10	626	22790	270	-102	14.8	130	4.2	13	2.1	41320	67.4	18000	117	1.1
16-	45.4736-	114.9622-	2-	12-	0-	L17055	62630	-0.06	939	12970	132	156	5.4	67	3.8	7	1.3	21090	26.6	26190	61	0.7
16-	45.4875-	114.9736-	2-	12-	0-	L17056	58490	-0.07	837	16500	124	-102	24.5	83	3.4	6	1.1	27470	20.1	23520	55	0.4
16-	45.4978-	114.9972-	2-	12-	0-	L17057	62750	-0.11	571	25420	258	-112	23.0	167	4.2	11	1.8	49290	56.5	16600	130	1.1
16-	45.5033-	115.0058-	2-	12-	0-	L17058	60020	-0.09	800	12460	171	-84	31.4	109	4.4	9	2.0	29320	46.0	22580	73	0.7
16-	45.5086-	115.0236-	2-	12-	0-	L17059	59450	-0.09	691	28440	228	-113	14.9	355	2.0	8	1.5	36040	22.1	16620	109	0.5
16-	45.5064-	115.0258-	2-	12-	0-	L17060	62850	-0.09	611	23990	147	-113	26.9	177	5.7	8	1.9	39690	25.0	15450	75	0.6
16-	45.5125-	115.0425-	2-	11-	0-	L17061	78440	-0.11	595	9832	102	-121	8.1	65	8.0	7	0.9	29080	11.9	22770	31	0.6
16-	45.5106-	115.0414-	2-	12-	0-	L17062	55730	0.14	822	16510	215	-85	20.5	103	3.4	9	1.8	35340	35.6	18720	101	0.7
16-	45.6725-	115.9033-	2-	12-	0-	L17063	67580	-0.06	1209	21700	93	158	5.0	23	2.4	6	1.0	14050	10.4	21250	48	0.4
16-	45.6778-	115.9044-	2-	12-	0-	L17064	54550	-0.09	601	13990	158	194	10.8	37	-1.7	10	1.9	20920	16.9	14470	75	0.7
16-	45.6733-	115.9572-	2-	11-	0-	L17065	74100	-0.12	755	13030	92	487	7.9	32	4.6	6	1.3	23490	11.3	18180	38	0.3
16-	45.7597-	115.2342-	2-	12-	0-	L17066	83620	-0.10	782	26680	172	-123	6.5	30	4.0	19	2.9	34970	58.4	15430	79	1.7
16-	45.7619-	115.2378-	2-	12-	0-	L17067	82360	-0.11	944	37400	201	198	10.4	47	2.7	15	3.0	38500	52.6	15610	100	1.2
16-	45.7772-	115.2181-	2-	12-	0-	L17068	70200	-0.12	699	17790	129	-164	10.8	31	-2.4	10	2.3	55060	12.7	10290	55	0.5
16-	45.7786-	115.2072-	2-	12-	0-	L17069	79080	-0.11	949	31700	181	-131	9.9	49	5.3	15	3.3	40280	53.1	17920	72	1.3
16-	45.7775-	115.2075-	2-	12-	0-	L17070	90300	-0.11	797	33110	178	-130	6.9	29	-2.1	21	3.4	38040	53.6	22790	75	1.8
16-	45.7856-	115.2075-	2-	12-	0-	L17071	77180	-0.11	785	27610	145	-127	12.8	47	4.3	10	2.2	40940	20.6	16760	65	0.9
16-	45.7878-	115.1975-	2-	11-	0-	L17072	70060	-0.12	786	28340	173	-150	8.8	-12	47.5	11	2.8	42350	30.1	13510	75	1.1
16-	45.7794-	115.1950-	2-	12-	0-	L17073	90160	-0.08	962	37560	154	-135	7.1	30	-1.5	15	3.2	38450	36.8	14420	61	1.4
16-	45.7806-	115.1914-	2-	12-	0-	L17074	81580	-0.09	976	24900	130	-139	11.1	51	9.5	10	2.4	36910	21.9	16400	65	0.8
16-	45.7736-	115.1378-	2-	12-	0-	L17075	82450	-0.10	726	24130	120	-147	8.8	27	-2.1	10	2.2	39630	26.2	12220	47	0.9
16-	45.7744-	115.1372-	2-	12-	0-	L17076	74540	-0.09	840	17390	98	-128	6.3	27	5.5	7	1.7	24610	28.2	16460	50	0.8
16-	45.7750-	115.1267-	2-	12-	0-	L17077	82490	-0.08	1010	29470	198	-126	9.9	47	3.9	12	2.7	48070	26.6	17060	86	1.1
16-	45.8092-	115.3069-	2-	12-	0-	L17078	77130	-0.10	730	37090	171	258	16.9	67	-2.0	12	2.8	57100	28.1	8425	78	1.0
16-	45.7778-	115.2428-	2-	12-	0-	L17079	82090	-0.11	710	30770	162	-157	9.1	23	-2.1	10	2.7	39400	32.2	9494	62	1.1
16-	45.7775-	115.2439-	2-	12-	0-	L17080	75150	-0.10	607	39210	299	-128	14.1	50	-2.0	17	3.9	50850	65.1	14850	135	1.8
16-	45.3706-	114.6892-	2-	12-	0-	L17081	67040	-0.09	1293	28970	112	-115	14.4	89	4.5	6	1.6	43730	13.6	21140	51	0.5
16-	45.7561-	115.2553-	2-	12-	0-	L17082	80420	-0.08	845	19360	177	-134	6.1	34	7.2	13	2.2	27030	22.0	18790	79	0.9
16-	45.7569-	115.2561-	2-	12-	0-	L17083	78750	-0.11	971	31480	300	-126	9.9	50	2.8	17	3.6	54030	56.5	15660	141	1.8
16-	45.7997-	115.3217-	2-	12-	0-	L17084	85680	-0.11	653	30770	214	-142	9.9	67	-2.1	16	3.9	44560	51.0	-4779	100	1.4
16-	45.8033-	115.3219-	2-	12-	0-	L17085	76870	-0.09	808	42720	214	169	15.9	56	-1.8	13	3.5	73130	56.5	10970	101	1.4
16-	45.7986-	115.3336-	2-	12-	0-	L17086	87690	-0.09	625	34830	182	-160	10.6	40	-1.9	14	3.2	43020	22.9	10830	85	1.0
16-	45.7886-	115.3667-	2-	12-	0-	L17087	82450	0.27	657	20810	522	-136	12.4	65	3.5	30	3.6	41260	87.5	14010	213	2.6
16-	45.8222-	115.3550-	2-	12-	0-	L17088	71530	-0.11	570	24160	578	-118	14.0	85	-2.2	33	5.1	48720	47.2	16520	245	2.7
16-	45.8189-	115.3361-	2-	12-	0-	L17089	65030	-0.09	933	21950	371	-113	10.6	73	3.7	20	3.9	50280	44.5	20040	165	1.8
16-	45.8647-	115.3619-	2-	12-	0-	L17090	63860	-0.09	638	12910	356	-144	8.3	70	5.7	24	3.7	40020	15.8	18120	164	2.2
16-	45.8642-	115.3611-	2-	12-	0-	L17091	56580	-0.11	862	17110	579	-103	6.3	45	4.8	33	5.7	33810	45.0	17670	263	2.3
16-	45.8603-	115.3639-	2-	11-	0-	L17092	60590	-0.10	637	16610	232	129	9.6	50	3.3	14	2.7	31100	23.1	20850	102	1.2
16-	45.8792-	115.1961-	2-	12-	0-	L17093	64720	-0.08	804	13030	79	-99	7.4	62	6.2	6	1.5	19290	7.3	18070	45	0.4
16-	45.7872-	115.3575-	2-	12-	0-	L17094	84750	-0.10	611	24780	465	-150	9.2	44	-2.0	34	3.5	36300	60.8	16290	206	2.6
16-	45.7883-	115.3578-	2-	12-	0-	L17095	73910	0.66	452	41440	323	-129	16.4	70	-2.3	18	3.7	66690	78.0	11110	142	1.9
16-	45.8792-	115.1836-	2-	12-	0-	L17096	47080	-0.07	511	8732	64	-84	4.8	40	4.6	7	1.1	16990	17.7	19800	27	0.5
16-	45.8769-	115.1683-	2-	12-	0-	L17097	66690	-0.07	1134	11530	71	-96	5.4	50	4.6	6	1.8	25620	13.8	26810	38	0.4
16-	45.8742-	115.1344-	2-	12-	0-	L17098	77320	-0.08	654	11240	119	-129	7.3	37	5.7	8	1.3	32170	21.2	24180	49	0.6
16-	45.8744-	115.1358-	2-	12-	0-	L17099	54660	-0.11	480	19210	159	198	7.0	35	4.7	14	0.9	30760	30.2	20880	72	1.1

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.4264-	114.8844-	2-	12-	0-	L17049	11550	1010	18870	-38	-3	14.1	17.1	-326	-2	2	44.5	5386	96	9.4	-47	0.266
16-	45.4356-	114.8922-	2-	12-	0-	L17050	14910	735	16120	-40	-3	13.9	15.4	-306	-2	-1	32.3	6825	128	8.2	-72	0.652
16-	45.4492-	114.9144-	2-	15-	0-	L17051	8757	885	15480	67	-2	11.5	17.0	-215	3	1	50.8	8499	109	13.1	92	0.254
16-	45.4492-	114.9197-	2-	12-	0-	L17052	10640	762	19490	118	-2	14.2	12.4	-280	-2	1	19.4	4117	96	5.0	101	0.808
16-	45.4544-	114.9319-	2-	12-	0-	L17053	14130	1411	21270	75	-3	26.3	37.4	-376	6	3	106.5	9790	94	20.4	-54	0.229
16-	45.4722-	114.9617-	2-	12-	0-	L17054	10390	784	17250	-37	-3	15.0	18.0	377	-1	1	41.0	6974	96	11.7	99	0.313
16-	45.4736-	114.9622-	2-	12-	0-	L17055	5882	306	17830	113	-2	9.0	9.3	-163	2	1	22.0	3884	60	7.5	94	0.245
16-	45.4875-	114.9736-	2-	12-	0-	L17056	7857	484	16130	94	-2	9.5	8.1	-211	-1	-1	19.2	3837	64	5.5	160	0.343
16-	45.4978-	114.9972-	2-	12-	0-	L17057	16170	1035	17390	71	-3	15.9	14.9	-324	3	-1	52.5	7435	127	10.7	-47	0.288
16-	45.5033-	115.0058-	2-	12-	0-	L17058	6615	501	14740	125	-2	10.1	10.3	-218	2	-1	26.7	4957	75	7.6	83	0.318
16-	45.5086-	115.0236-	2-	12-	0-	L17059	19270	882	23430	87	-2	14.0	14.6	-244	-1	-1	34.8	4297	74	5.2	105	0.245
16-	45.5064-	115.0258-	2-	12-	0-	L17060	16500	780	16550	134	-2	16.7	10.3	-255	-2	-1	23.9	4703	103	6.1	101	0.471
16-	45.5125-	115.0425-	2-	11-	0-	L17061	5744	997	14400	167	-3	9.7	6.7	-367	-2	-1	31.5	3465	56	6.0	-120	0.302
16-	45.5106-	115.0414-	2-	12-	0-	L17062	8108	689	15890	87	-2	10.7	15.1	-238	3	-1	31.2	6173	86	9.9	94	0.220
16-	45.6725-	115.9033-	2-	12-	0-	L17063	11490	409	18710	78	-1	5.6	7.0	-199	-1	1	13.2	2973	30	3.9	46	0.419
16-	45.6778-	115.9044-	2-	12-	0-	L17064	5992	783	12580	-38	-2	7.8	13.4	-299	2	1	22.4	3740	47	9.8		0.289
16-	45.6733-	115.9572-	2-	11-	0-	L17065	6554	566	17560	-42	-3	9.1	6.4	-356	-1	-1	12.1	5045	77	4.4	76	0.284
16-	45.7597-	115.2342-	2-	12-	0-	L17066	4088	789	25130	125	-3	13.6	16.2	651	5	2	26.3	5559	71	15.6	110	0.601
16-	45.7619-	115.2378-	2-	12-	0-	L17067	10640	1082	26630	-41	-3	15.6	14.5	-331	5	-1	24.9	6277	125	12.2	150	0.495
16-	45.7772-	115.2181-	2-	12-	0-	L17068	4952	1225	15550	-54	-3	10.5	11.5	-422	-2	-1	13.8	3695	91	8.0	-13	0.476
16-	45.7786-	115.2072-	2-	12-	0-	L17069	8619	998	25530	105	-3	15.2	11.2	542	6	-1	18.6	6164	93	12.5	158	0.719
16-	45.7775-	115.2075-	2-	12-	0-	L17070	8426	865	27570	94	-3	17.1	22.6	718	5	2	25.3	6627	81	17.6	111	0.544
16-	45.7856-	115.2075-	2-	12-	0-	L17071	7309	897	23020	72	-3	17.3	9.8	609	4	-1	14.7	4973	106	7.4	-48	0.674
16-	45.7878-	115.1978-	2-	11-	0-	L17072	-2632	1607	23900	82	-1	10.9	13.4	828	5	1	18.8	5209	94	9.2	145	0.437
16-	45.7794-	115.1950-	2-	12-	0-	L17073	6574	1094	30130	75	-2	13.3	16.0	751	7	1	18.4	6604	82	13.8	140	0.647
16-	45.7806-	115.1914-	2-	12-	0-	L17074	8353	849	24180	80	-2	14.7	11.5	-285	3	-1	14.5	4646	94	7.3	154	0.702
16-	45.7736-	115.1378-	2-	12-	0-	L17075	7357	1286	25450	63	-3	10.7	9.9	-412	4	1	13.5	5639	86	8.3	81	0.804
16-	45.7744-	115.1372-	2-	12-	0-	L17076	5545	689	22010	-35	-2	8.9	11.4	664	3	-1	12.5	3781	62	6.5	54	0.898
16-	45.7750-	115.1267-	2-	12-	0-	L17077	5589	1116	23040	100	-2	13.5	14.2	-284	4	2	27.2	4672	106	10.0	151	0.450
16-	45.8092-	115.3069-	2-	12-	0-	L17078	12080	1343	24560	-42	-3	20.6	13.7	659	4	-1	16.2	5375	137	9.6	153	0.489
16-	45.7778-	115.2428-	2-	12-	0-	L17079	4830	1617	25240	-41	-3	12.1	11.7	751	5	-1	16.3	5109	84	9.8	133	0.555
16-	45.7775-	115.2439-	2-	12-	0-	L17080	13550	1489	23520	-38	-3	21.6	26.1	465	7	2	31.8	7723	144	16.6	-43	0.416
16-	45.3706-	114.6892-	2-	12-	0-	L17081	11600	1090	16590	149	-2	13.0	7.0	-283	2	-1	14.9	5351	82	4.7	103	0.228
16-	45.7561-	115.2553-	2-	12-	0-	L17082	5780	742	22540	116	-2	9.7	13.8	436	-2	1	28.0	3320	54	10.5	75	0.357
16-	45.7569-	115.2561-	2-	12-	0-	L17083	9102	1055	25580	77	-3	16.0	22.1	-337	7	2	34.7	7243	131	16.3	114	0.397
16-	45.7997-	115.3217-	2-	12-	0-	L17084	7758	1308	25870	-40	-3	15.2	18.0	1064	7	2	25.5	6952	113	13.2	105	0.393
16-	45.8033-	115.3219-	2-	12-	0-	L17085	9461	1591	24580	-39	-2	18.6	16.2	969	7	2	22.9	6963	186	12.5	110	0.495
16-	45.7986-	115.3336-	2-	12-	0-	L17086	7388	1347	27770	-40	-2	14.9	17.2	743	5	-1	18.9	5033	103	11.4	-51	0.369
16-	45.7886-	115.3667-	2-	12-	0-	L17087	5719	910	22550	-47	-3	13.6	42.1	-368	-2	3	100.9	6609	103	27.7	87	0.164
16-	45.8222-	115.3550-	2-	12-	0-	L17088	10210	918	20780	-41	-3	16.8	58.1	-318	3	4	81.8	7209	110	27.4	-51	0.202
16-	45.8189-	115.3361-	2-	12-	0-	L17089	8453	959	18860	-38	-2	13.8	26.9	-260	3	2	47.9	6479	116	17.0	60	0.235
16-	45.8647-	115.3619-	2-	12-	0-	L17090	3985	1459	19460	139	-2	10.0	31.2	-342	-2	2	56.5	5581	64	22.8	73	0.197
16-	45.8642-	115.3611-	2-	12-	0-	L17091	4928	916	12160	-45	-3	9.3	54.9	-324	-2	4	77.1	4496	54	24.8	-56	0.206
16-	45.8603-	115.3639-	2-	11-	0-	L17092	4506	1054	5943	119	-3	13.8	20.8	-302	-2	2	24.5	4249	56	13.4	-42	0.329
16-	45.8792-	115.1961-	2-	12-	0-	L17093	6106	473	13200	95	-2	8.4	9.3	-219	-1	1	11.5	2037	43	4.7	112	0.942
16-	45.7872-	115.3575-	2-	12-	0-	L17094	6056	824	25230	82	-3	12.0	42.4	-309	-2	3	91.3	5468	86	27.6	108	0.162
16-	45.7883-	115.3578-	2-	12-	0-	L17095	10040	1291	23720	-44	-3	20.4	24.7	-356	6	2	37.1	7887	166	19.5	-51	0.369
16-	45.8792-	115.1836-	2-	12-	0-	L17096	4031	341	11090	97	-2	5.7	8.8	-209	-1	-1	14.1	2595	36	5.0	36	0.735
16-	45.8769-	115.1683-	2-	12-	0-	L17097	4915	585	17040	99	-2	7.6	7.2	-213	-1		10.6	2786	42	6.4	45	0.581
16-	45.8742-	115.1344-	2-	12-	0-	L17098	4772	845	10940	147	-2	9.1	11.0	-274	4	-1	28.5	4056	52	5.9	195	0.388
16-	45.8744-	115.1358-	2-	12-	0-	L17099	4890	815	17230	137	-3	10.7	19.1	-339	-2	-1	32.1	4751	36	10.5	157	0.799

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

①

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	LOK LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.8736-	115.1369-	2-	12-	0-	L17100-	08/03/79-	19-	27-	12.3-	-	-	7.0-	17-	12-2-7-1-6-4-2-1-2-1-3-3-1-												-1-	-	-	-	-	12.60
16-	45.8694-	115.1547-	2-	12-	0-	L17101-	08/03/79-	19-	25-	12.6-	-	-	6.9-	25-	12-2-7-1-7-3-2-1-2-1-3-3-1-												-1-	-	-	-	-	9.07
16-	45.8928-	115.2417-	2-	12-	0-	L17103-	08/04/79-	9-	24-	10.8-	-	-	7.0-	55-	12-2-7-5-8-2-2-1-1-1-3-3-1-												-1-	-	-	-	-	5.14
16-	45.9119-	115.2450-	2-	12-	0-	L17104-	08/04/79-	10-	25-	10.7-	C-	-	7.0-	46-	-2-7-1-7-4-2-1-2-1-3-3-1-												-1-	-	-	-	-	7.63
16-	45.9186-	115.2494-	2-	12-	0-	L17105-	08/04/79-	10-	27-	12.5-	-	-	7.3-	43-	16-2-7-1-7-4-2-1-2-1-3-3-1-												-1-	-	-	-	-	15.05
16-	45.9503-	115.2781-	2-	12-	0-	L17106-	08/04/79-	12-	28-	13.7-	-	-	7.8-	25-	11-2-7-5-8-3-2-1-1-1-3-3-1-												-1-	-	-	-	-	6.30
16-	45.9517-	115.2783-	2-	12-	0-	L17107-	08/04/79-	14-	30-	11.9-	-	-	6.8-	39-	8-2-7-5-8-3-2-1-1-1-3-3-1-												-1-	-	-	-	-	10.19
16-	45.9631-	115.2878-	2-	12-	0-	L17108-	08/04/79-	14-	27-	15.7-	-	-	7.2-	24-	14-2-7-1-7-2-2-1-1-1-3-3-1-												-1-	-	-	-	-	11.68
16-	45.9908-	115.2867-	2-	12-	0-	L17109-	08/04/79-	16-	30-	14.9-	C-	-	7.3-	17-	-2-7-1-7-2-2-1-1-1-3-3-1-												-1-	-	-	-	-	7.99
16-	45.7050-	115.0453-	2-	12-	0-	L17110-	08/06/79-	12-	29-	9.5-	-	-	7.8-	10-	15-2-7-1-7-4-2-1-2-1-3-3-1-												-1-	-	-	-	-	14.58
16-	45.6892-	115.0617-	2-	12-	0-	L17111-	08/06/79-	13-	31-	10.9-	-	-	7.6-	70-	14-2-7-1-7-3-2-1-2-1-3-3-1-												-1-	-	-	-	-	11.80
16-	45.6897-	115.0664-	2-	12-	0-	L17112-	08/06/79-	14-	31-	13.7-	-	-	7.5-	12-	15-2-7-1-7-3-2-1-1-1-3-3-1-												-1-	-	-	-	-	16.35
16-	45.6639-	115.8258-	2-	12-	0-	L17113-	07/30/79-	13-	27-	14.4-	C-	-	8.2-	13-	-2-6-2-1-3-3-1-2-1-4-4-1-												-1-	-	-	-	-	6.83
16-	45.6650-	115.8256-	2-	12-	0-	L17114-	07/30/79-	13-	27-	14.6-	C-	-	8.4-	10-	-2-6-1-1-4-3-1-2-1-4-4-1-												-1-	-	-	-	-	4.42
16-	45.6650-	115.8011-	2-	12-	0-	L17115-	07/30/79-	14-	27-	10.9-	C-	-	8.7-	8-	-2-6-3-1-3-3-1-2-1-4-4-1-												-1-	-	-	-	-	3.94
16-	45.6608-	115.7889-	2-	12-	0-	L17116-	07/30/79-	15-	27-	12.4-	C-	-	8.3-	9-	-2-6-2-1-3-3-1-2-1-4-4-1-												-1-	-	-	-	-	3.97
16-	45.6589-	115.7803-	2-	12-	0-	L17117-	07/30/79-	15-	28-	14.0-	C-	-	8.4-	10-	-2-6-3-1-3-3-1-2-1-4-3-1-												-1-	-	-	-	-	6.55
16-	45.6583-	115.7814-	2-	12-	0-	L17118-	07/30/79-	15-	28-	8.1-	C-	-	8.1-	9-	-2-6-3-1-3-3-1-2-1-3-4-1-												-1-	-	-	-	-	5.28
16-	45.6681-	115.8294-	2-	11-	0-	L17119-	07/30/79-	16-	27-	12.6-	C-	-	7.6-	54-	-2-6-5-8-3-3-1- -1-3-4-1-												-1-	-	-	-	-	88.45
16-	45.6772-	115.8361-	2-	12-	0-	L17120-	07/30/79-	16-	27-	15.9-	C-	-	7.6-	13-	-2-6-2-6-3-3-1-2-1-3-4-1-												-1-	-	-	-	-	7.18
16-	45.6931-	115.8075-	2-	11-	0-	L17121-	07/30/79-	18-	26-	9.6-	C-	-	8.4-	8-	-2-6-5-8-3-3-1- -1-4-4-1-												-1-	-	-	-	-	3.84
16-	45.7094-	115.7983-	2-	11-	0-	L17122-	07/30/79-	18-	27-	14.2-	C-	-	7.7-	24-	-2-6-5-8-2-2-1- -1-3-3-1-												-1-	-	-	-	-	3.26
16-	45.7103-	115.7992-	2-	12-	0-	L17123-	07/30/79-	19-	24-	10.5-	-	-	7.5-	9-	-2-6-2-1-3-3-1-2-1-3-3-1-												-1-	-	-	-	-	7.74
16-	45.7231-	115.8089-	2-	11-	0-	L17124-	07/30/79-	19-	24-	7.4-	C-	-	7.6-	10-	-2-6-5-8-3-3-1- -1-4-4-1-												-1-	-	-	-	-	5.13
16-	45.7278-	115.7739-	2-	11-	0-	L17125-	07/30/79-	20-	22-	6.9-	C-	-	7.4-	7-	-2-6-5-8-3-3-1- -1-4-4-1-												-1-	-	-	-	-	7.47
16-	45.5300-	115.3053-	2-	12-	0-	L17126-	08/07/79-	11-	26-	14.6-	-	-	7.9-	38-	45-2-6-2-6-3-3-1-2-1-3-5-1-												-1-	-	-	-	-	11.53
16-	45.5172-	115.3228-	2-	15-	0-	L17127-	08/07/79-	11-	30-	-C-	-		-	-	-2-6-5-1- -1- -2-1-3-5-1-												-1-	-	-	-	-	6.36
16-	45.5150-	115.3228-	2-	12-	0-	L17128-	08/07/79-	12-	30-	14.6-	C-	-	7.7-	30-	-2-6-2-6-4-3-1-2-1-3-5-1-												-1-	-	-	-	-	4.93
16-	45.5103-	115.3228-	2-	11-	0-	L17129-	08/07/79-	12-	31-	19.4-	C-	-	7.9-	171-	-2-6-5-8-2-3-1- -1-3-5-1-												-1-	-	-	-	-	9.19
16-	45.5064-	115.3247-	2-	12-	0-	L17130-	08/07/79-	12-	31-	14.8-	C-	-	7.8-	82-	-2-6-5-6-3-3-1-2-1-3-5-1-												-1-	-	-	-	-	8.49
16-	45.4914-	115.3372-	2-	12-	0-	L17131-	08/07/79-	12-	31-	18.3-	C-	-	7.9-	63-	-2-6-2-6-3-3-1-2-1-3-5-1-												-1-	-	-	-	-	4.55
16-	45.4864-	115.3458-	2-	11-	0-	L17132-	08/07/79-	13-	32-	9.9-	C-	-	7.8-	144-	-2-6-4-1-3-3-1- -1-3-5-1-												-1-	-	-	-	-	6.81
16-	45.4825-	115.3528-	2-	12-	0-	L17133-	08/07/79-	14-	31-	15.9-	C-	-	7.9-	121-	-2-6-5-6-3-3-1-2-1-3-5-1-												-1-	-	-	-	-	10.39
16-	45.4753-	115.3722-	2-	12-	0-	L17134-	08/07/79-	14-	33-	15.8-	C-	-	8.1-	60-	-2-6-5-7-2-3-1-2-2-4-5-1-												-1-	-	-	-	-	17.74
16-	45.6981-	114.5433-	2-	12-	0-	L17135-	08/09/79-	16-	29-	12.5-	-	-	7.2-	23-	25-2-6-2-6-3-3-1-2-1-3-5-2-												-1-	-	-	-	-	104.50
16-	45.6767-	114.5422-	2-	12-	0-	L17136-	08/09/79-	16-	28-	11.6-	-	-	7.2-	21-	16-2-6-2-6-3-3-1-2-1-3-5-2-												-1-	-	-	-	-	17.55
16-	45.4300-	115.4608-	2-	12-	0-	L17137-	08/07/79-	18-	28-	15.7-	C-	-	7.8-	44-	-2-6-3-1-3-3-1-2-1-3-5-1-												-1-	-	-	-	-	4.46
16-	45.4183-	115.4647-	2-	12-	0-	L17138-	08/07/79-	18-	27-	15.2-	C-	-	7.9-	34-	-2-6-3-6-3-3-1-2-1-3-5-1-												-1-	-	-	-	-	19.36
16-	45.4169-	115.4658-	2-	11-	0-	L17139-	08/07/79-	19-	27-	14.1-	C-	-	7.7-	34-	-2-6-4-6-3-3-1- -1-3-5-2-												-1-	-	-	-	-	7.82
16-	45.6778-	114.5411-	2-	12-	0-	L17140-	08/09/79-	17-	28-	11.5-	-	-	7.3-	20-	14-2-6-2-6-3-3-1-2-1-3-5-2-												-1-	-	-	-	-	12.21
16-	45.6772-	114.5444-	2-	12-	0-	L17141-	08/09/79-	17-	28-	10.9-	-	-	7.2-	16-	36-2-6-2-6-3-3-1-2-1-3-5-2-												-1-	-	-	-	-	33.06
16-	45.6928-	114.5586-	2-	12-	0-	L17142-	08/09/79-	17-	28-	14.8-	-	-	7.2-	22-	14-2-6-2-6-3-3-1-2-1-3-5-2-												-1-	-	-	-	-	13.18
16-	45.5403-	115.2689-	2-	12-	0-	L17143-	08/07/79-	12-	31-	13.9-	-	-	7.3-	106-	15-2-6-3-6-3-3-1-2-1-3-5-1-												-1-	-	-	-	-	12.92
16-	45.5403-	115.2725-	2-	12-	0-	L17144-	08/07/79-	12-	31-	15.6-	-	-	7.4-	10-	13-2-6-2-6-3-3-1-2-1-3-5-1-												-1-	-	-	-	-	6.47
16-	45.5322-	115.2997-	2-	12-	0-	L17145-	08/07/79-	13-	32-	15.6-	-	-	7.1-	136-	14-2-6-3-6-2-2-1-2-1-3-5-1-												-1-	-	-	-	-	7.43
16-	45.5389-	115.3117-	2-	11-	0-	L17146-	08/07/79-	14-	31-	14.4-	-	-	7.2-	102-	8-2-6-5-6-3-3-1- -1-3-5-1-												-1-	-	-	-	-	21.53
16-	45.5689-	115.3217-	2-	11-	0-	L17147-	08/07/79-	15-	31-	12.6-	-	-	7.7-	46-	17-2-6-5-6-3-3-1- -1-3-5-1-												-1-	-	-	-	-	5.06
16-	45.5708-	115.3236-	2-	12-	0-	L17148-	08/07/79-	15-	31-	14.4-	-	-	7.8-	8-	34-2-6-2-6-3-3-1-2-1-3-5-2-												-1-	-	-	-	-	3.67
16-	45.5736-	115.3119-	2-	12-	0-	L17149-	08/07/79-	15-	31-	12.3-	-	-	7.5-	19-	10-2-6-3-6-3-3-1-2-1-3-5-2-												-1-	-	-	-	-	6.13
16-	45.5792-	115.3083-	2-	12-	0-	L17150-	08/07/79-	16-	30-	17.9-	-	-	7.4-	8-	8-2-6-2-6-3-3-1-2-1-3-3-2-												-1-	-	-	-	-	27.67
16-	45.5908-	115.3039-	2-	12-	0-	L17151-	08/07/79-	16-	30-	11.7-	-	-	7.5-	13-	7-2-6-3-6-3-3-1-2-1-3-3-2-												-1-	-	-	-	-	8.82

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-45.8736-115.1369-2-12-	0-L17100	-5	-5	-5	22	-20	-15	13	-10	-15	-5	-5	154	3	36
16-45.8694-115.1547-2-12-	0-L17101	-5	-5	-5	16	-20	-15	15	-10	-15	-5	-5	283	2	17
16-45.8928-115.2417-2-12-	0-L17103	-5	-5	-5	16	-20	-15	6	-10	-15	6	-5	347	2	45
16-45.9119-115.2450-2-12-	0-L17104	-5	5	-5	22	-20	-15	5	-10	-15	5	-5	312	2	26
16-45.9186-115.2494-2-12-	0-L17105	-5	8	-5	-10	-20	-15	-5	18	20	10	-5	916	4	50
16-45.9503-115.2781-2-12-	0-L17106	-5	5	-5	21	-20	-15	-5	-10	-15	7	-5	276	1	23
16-45.9517-115.2783-2-12-	0-L17107	-5	6	-5	21	-20	23	-5	-10	-15	11	-5	646	3	43
16-45.9631-115.2878-2-12-	0-L17108	-5	13	-5	17	-20	26	6	-10	-15	8	-5	603	3	33
16-45.9908-115.2367-2-12-	0-L17109	-5	9	-5	15	-20	15	9	-10	-15	6	-5	698	2	32
16-45.7050-115.0453-2-12-	0-L17110	5	-5	-5	-10	32	-15	-5	-10	-15	9	-5	2225	2	44
16-45.6892-115.0617-2-12-	0-L17111	-5	-5	-5	11	-20	-15	6	-10	-15	5	-5	750	2	102
16-45.6897-115.0664-2-12-	0-L17112	-5	11	-5	14	-20	-15	11	-10	-15	6	-5	559	4	48
16-45.6639-115.8258-2-12-	0-L17113	-5	-5	-5	20	-20	-15	9	-10	-15	-5	-5	175	3	35
16-45.6650-115.8256-2-12-	0-L17114	-5	7	-5	11	-20	-15	8	-10	-15	7	-5	148	4	34
16-45.6550-115.8011-2-12-	0-L17115	-5	-5	-5	16	-20	-15	13	-10	-15	-5	-5	156	3	25
16-45.6508-115.7889-2-12-	0-L17116	-5	-5	-5	10	-20	-15	12	-10	-15	-5	-5	146	3	34
16-45.6589-115.7803-2-12-	0-L17117	-5	-5	-5	10	-20	-15	12	-10	-15	-5	-5	194	3	33
16-45.6583-115.7814-2-12-	0-L17118	-5	-5	-5	13	-20	-15	13	-10	-15	-5	-5	181	3	38
16-45.6681-115.8294-2-11-	0-L17119	-5	-5	-5	20	-20	-15	17	-10	-15	-5	-5	164	2	24
16-45.6772-115.8361-2-12-	0-L17120	-5	8	-5	13	-20	-15	16	-10	-15	-5	-5	217	4	35
16-45.6931-115.8075-2-11-	0-L17121	-5	-5	-5	21	-20	-15	15	-10	-15	6	-5	123	4	17
16-45.7094-115.7983-2-11-	0-L17122	-5	-5	-5	24	-20	-15	8	-10	-15	13	-5	234	2	58
16-45.7103-115.7992-2-12-	0-L17123	-5	12	-5	-10	-20	-15	12	-10	-15	-5	-5	313	4	39
16-45.7231-115.8089-2-11-	0-L17124	-5	5	-5	21	-20	-15	10	-10	-15	5	-5	348	3	40
16-45.7278-115.7739-2-11-	0-L17125	-5	8	-5	35	-20	20	13	-10	-15	10	-5	318	5	32
16-45.5300-115.3053-2-12-	0-L17126	-5	11	-5	18	-20	-15	-5	-10	-15	14	-5	664	2	37
16-45.5172-115.3228-2-15-	0-L17127	-5	6	-5	23	-20	21	6	-10	16	9	-5	354	2	43
16-45.5150-115.3228-2-12-	0-L17128	-5	-5	-5	21	-20	41	9	-10	-15	-5	-5	377	2	54
16-45.5103-115.3228-2-11-	0-L17129	-5	-5	-5	32	-20	32	8	-10	-15	-5	-5	368	3	66
16-45.5064-115.3247-2-12-	0-L17130	-5	12	-5	29	-20	30	12	-10	-15	-5	-5	430	2	49
16-45.4914-115.3372-2-12-	0-L17131	-5	4	-5	25	-20	45	11	-10	-15	-5	-5	394	2	37
16-45.4864-115.3458-2-11-	0-L17132	5	7	-5	38	-20	17	21	-10	-15	11	-5	583	2	27
16-45.4825-115.3528-2-12-	0-L17133	-5	15	-5	24	-20	26	16	-10	-15	18	-5	1245	2	25
16-45.4753-115.3722-2-12-	0-L17134	-5	10	-5	21	-20	26	-5	-10	22	6	-5	397	2	31
16-45.6981-114.5433-2-12-	0-L17135	-5	6	-5	21	-20	-15	26	-10	21	-5	-5	162	6	45
16-45.6767-114.5422-2-12-	0-L17136	-5	5	-5	17	-20	-15	14	-10	-15	7	-5	265	6	218
16-45.4300-115.4608-2-12-	0-L17137	-5	-5	-5	20	-20	-15	17	-10	-15	-5	-5	161	2	36
16-45.4183-115.4647-2-12-	0-L17138	-5	6	-5	20	-20	-15	14	-10	19	15	-5	133	3	29
16-45.4169-115.4658-2-11-	0-L17139	-5	-5	-5	14	-20	-15	21	-10	-15	10	-5	643	2	21
16-45.6778-114.5411-2-12-	0-L17140	-5	4	-5	11	-20	-15	12	-10	-15	-5	-5	469	3	46
16-45.6772-114.5444-2-12-	0-L17141	-5	11	-5	22	-20	-15	32	24	-15	-5	-5	380	7	155
16-45.6928-114.5586-2-12-	0-L17142	-5	8	-5	16	-20	-15	19	-10	-15	-5	-5	458	5	131
16-45.5403-115.2689-2-12-	0-L17143	-5	-5	-5	30	-20	30	10	-10	-15	-5	-5	334	2	67
16-45.5403-115.2725-2-12-	0-L17144	-5	4	-5	21	-20	33	49	-10	-15	-5	-5	418	2	43
16-45.5322-115.2997-2-12-	0-L17145	-5	9	-5	18	-20	-15	15	-10	15	-5	-5	546	2	31
16-45.5389-115.3117-2-11-	0-L17146	-5	10	-5	20	-20	20	10	-10	-15	-5	-5	402	3	42
16-45.5689-115.3217-2-11-	0-L17147	-5	-5	-5	19	-20	-15	21	-10	25	-5	-5	298	2	49
16-45.5708-115.3236-2-12-	0-L17149	-5	-5	-5	32	-20	16	24	-10	-15	-5	-5	262	2	45
16-45.5736-115.3119-2-12-	0-L17149	-5	12	-5	20	-20	-15	9	-10	17	8	-5	644	3	35
16-45.5792-115.3083-2-12-	0-L17150	-5	17	-5	-10	-20	-15	-5	-10	26	11	-5	2576	2	45
16-45.5908-115.3039-2-12-	0-L17151	-5	9	-5	23	-20	21	12	-10	-15	-5	-5	395	3	46

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	TYPE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.8736-	115.1369-	2-	12-	0-	L17100	54970	-0.09	746	8880	72	-112	5.8	56	6.3	6	1.7	17780	6.4	22420	41	0.4
16-	45.8694-	115.1547-	2-	12-	0-	L17101	52070	-0.07	988	11530	53	-113	3.3	43	2.5	6	1.2	18230	10.0	23580	33	0.4
16-	45.8928-	115.2417-	2-	12-	0-	L17103	54790	-0.07	1317	5450	70	-86	6.6	51	4.9	6	1.1	23160	13.9	29540	30	0.4
16-	45.9119-	115.2450-	2-	12-	0-	L17104	57010	-0.09	658	12690	171	-99	4.8	35	3.1	12	2.0	18230	14.6	17630	80	1.0
16-	45.9186-	115.2494-	2-	12-	0-	L17105	51930	-0.07	627	5785	258	-89	3.7	50	3.2	14	2.6	45410	54.8	22640	116	1.3
16-	45.9503-	115.2781-	2-	12-	0-	L17106	59190	-0.10	617	15270	148	-113	9.1	35	-1.9	13	2.2	27910	12.8	15000	71	0.8
16-	45.9517-	115.2783-	2-	12-	0-	L17107	75220	-0.10	644	8070	268	-123	10.0	71	2.2	21	3.6	43360	27.8	23750	115	1.7
16-	45.9631-	115.2878-	2-	12-	0-	L17108	69540	-0.14	707	11240	504	-131	11.5	66	-2.7	41	5.8	34660	29.7	17020	226	2.8
16-	45.9908-	115.2867-	2-	12-	0-	L17109	58350	-0.11	793	23010	299	238	13.2	69	-2.1	21	3.8	34990	35.4	14550	125	1.5
16-	45.7050-	115.0453-	2-	12-	0-	L17110	70680	-0.12	-219	25910	283	291	9.7	51	-2.3	10	1.9	47640	88.0	18950	133	1.0
16-	45.6892-	115.0617-	2-	12-	0-	L17111	58590	-0.10	682	36420	198	-147	11.6	62	2.6	8	1.9	41230	41.2	13960	95	0.6
16-	45.6897-	115.0664-	2-	12-	0-	L17112	70910	-0.11	458	19040	234	-138	11.2	46	4.9	15	1.4	33040	29.4	22190	99	1.1
16-	45.6539-	115.8258-	2-	12-	0-	L17113	36090	-0.07	723	31380	151	-140	5.1	15	-1.4	7	1.4	14480	7.4	17790	69	0.4
16-	45.6650-	115.8256-	2-	12-	0-	L17114	35000	-0.06	761	30240	106	-152	4.5	-7	1.9	7	1.1	12770	5.1	19630	50	0.4
16-	45.6650-	115.8011-	2-	12-	0-	L17115	83290	-0.07	760	18090	142	-161	4.4	28	2.4	9	1.2	15650	6.4	18740	73	0.4
16-	45.6608-	115.7889-	2-	12-	0-	L17116	39500	-0.09	711	19850	103	-167	4.4	-9	-1.7	6	1.2	16190	5.2	22450	50	0.4
16-	45.6589-	115.7803-	2-	12-	0-	L17117	85650	-0.08	731	17090	158	272	3.7	23	-1.6	11	1.4	13540	7.6	12310	72	0.7
16-	45.6583-	115.7814-	2-	12-	0-	L17118	80120	-0.08	592	24140	115	-139	6.4	21	2.6	7	1.3	19560	7.4	22930	50	0.5
16-	45.6681-	115.8294-	2-	11-	0-	L17119	76950	-0.11	662	16750	93	639	4.1	-12	-2.0	5	1.1	16070	6.0	13370	67	0.4
16-	45.6772-	115.8361-	2-	12-	0-	L17120	87760	-0.07	844	24290	280	-133	5.8	26	1.9	13	1.8	18280	10.6	16220	132	0.9
16-	45.6931-	115.8075-	2-	11-	0-	L17121	73000	-0.11	566	15150	84	-157	8.2	31	2.4	13	3.5	18300	4.0	11160	58	0.6
16-	45.7094-	115.7983-	2-	11-	0-	L17122	85460	-0.12	685	12600	77	343	10.8	35	3.6	6	1.3	29930	8.3	15890	48	0.4
16-	45.7103-	115.7992-	2-	12-	0-	L17123	89130	-0.10	663	24290	244	-137	7.3	36	-1.8	12	2.1	22330	14.5	13440	109	0.9
16-	45.7231-	115.8089-	2-	11-	0-	L17124	85450	-0.10	-176	29600	122	214	9.8	48	2.2	10	1.7	27310	13.8	12840	61	0.6
16-	45.7278-	115.7739-	2-	11-	0-	L17125	83470	-0.13	734	18890	137	-164	10.6	57	2.8	21	3.5	30930	12.6	12990	120	1.0
16-	45.5300-	115.3053-	2-	12-	0-	L17126	69010	-0.11	570	18210	579	-130	11.6	103	3.6	23	2.9	29980	32.2	19840	261	1.5
16-	45.5172-	115.3228-	2-	15-	0-	L17127	70490	-0.11	875	18150	127	-122	13.3	106	3.9	9	1.9	33710	13.3	21860	54	0.5
16-	45.5150-	115.3228-	2-	12-	0-	L17128	71890	-0.09	939	20960	143	-136	16.4	136	3.5	8	1.8	35790	12.0	21120	56	0.6
16-	45.5103-	115.3228-	2-	11-	0-	L17129	77040	-0.10	662	19600	169	-140	9.7	100	3.5	11	2.3	29870	14.1	19940	76	0.8
16-	45.5064-	115.3247-	2-	12-	0-	L17130	73240	-0.13	951	17060	139	-143	13.9	122	2.5	10	2.0	36170	16.0	24800	70	0.7
16-	45.4914-	115.3372-	2-	12-	0-	L17131	63040	-0.12	729	24000	141	-133	14.8	121	-2.3	8	1.9	34320	15.4	15050	59	0.5
16-	45.4864-	115.3458-	2-	11-	0-	L17132	52840	0.19	1080	17110	146	-92	30.2	111	4.7	-1	1.6	30870	28.4	21840	67	0.7
16-	45.4825-	115.3528-	2-	12-	0-	L17133	52860	-0.09	805	17070	228	-110	19.4	123	3.5	11	2.0	36000	52.1	22740	108	1.0
16-	45.4753-	115.3722-	2-	12-	0-	L17134	65810	-0.13	629	18100	162	205	11.7	97	3.1	10	2.1	33340	15.3	17170	73	0.7
16-	45.6981-	114.5433-	2-	12-	0-	L17135	55500	-0.14	-175	11080	170	-93	4.2	39	19.7	42	3.6	16240	5.3	17170	227	1.6
16-	45.6767-	114.5422-	2-	12-	0-	L17136	61890	-0.07	407	6007	77	-86	4.4	30	19.7	11	0.9	13660	11.6	29380	61	0.6
16-	45.4300-	115.4608-	2-	12-	0-	L17137	63650	-0.08	728	18680	64	-163	7.3	79	3.0	5	0.9	19620	5.0	21870	31	0.3
16-	45.4183-	115.4647-	2-	12-	0-	L17138	75160	-0.10	880	14220	147	-160	3.5	29	-1.9	13	1.5	14730	4.9	23500	76	0.8
16-	45.4169-	115.4658-	2-	11-	0-	L17139	51900	-0.08	747	15150	187	-87	8.7	97	-1.5	10	1.5	30090	38.4	20180	85	1.0
16-	45.6778-	114.5411-	2-	12-	0-	L17140	59860	-0.07	602	5650	88	-77	3.3	34	23.9	8	1.0	12920	18.3	25870	58	0.5
16-	45.6772-	114.5444-	2-	12-	0-	L17141	73060	-0.07	-112	5525	151	-116	2.3	-8	13.5	23	1.1	13380	20.1	30460	103	1.3
16-	45.6928-	114.5586-	2-	12-	0-	L17142	62770	-0.07	488	4964	99	-87	2.7	20	14.1	11	0.7	11950	18.6	30910	51	0.7
16-	45.5403-	115.2689-	2-	12-	0-	L17143	71470	-0.11	590	31970	157	-121	12.3	162	9.8	8	1.8	34850	14.4	17430	78	0.6
16-	45.5403-	115.2725-	2-	12-	0-	L17144	67970	-0.09	829	27040	161	-121	16.0	155	3.1	9	1.5	37460	18.7	19180	73	0.5
16-	45.5322-	115.2997-	2-	12-	0-	L17145	68420	-0.08	751	17070	153	-131	8.6	62	3.1	8	1.8	22850	20.1	26020	75	0.5
16-	45.5389-	115.3117-	2-	11-	0-	L17146	74440	-0.09	606	14550	141	-112	6.4	59	2.6	7	1.3	20600	13.8	23250	74	0.6
16-	45.5689-	115.3217-	2-	11-	0-	L17147	85680	-0.12	702	14990	83	251	9.1	59	4.1	7	1.3	27660	8.4	16410	45	0.3
16-	45.5708-	115.3236-	2-	12-	0-	L17148	86590	-0.10	948	26370	85	241	16.2	141	3.8	6	1.2	41320	8.7	20810	36	0.3
16-	45.5736-	115.3119-	2-	12-	0-	L17149	76600	-0.08	769	19790	178	-132	8.2	73	3.3	10	1.6	22220	24.9	19980	85	0.7
16-	45.5792-	115.3083-	2-	12-	0-	L17150	67100	-0.13	431	20320	648	-130	8.6	105	-2.3	32	3.7	30110	127.3	20450	292	3.0
16-	45.5908-	115.3039-	2-	12-	0-	L17151	77860	-0.10	729	15870	187	-105	8.1	87	3.0	12	2.0	26620	17.9	20370	84	0.8

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.8736-115.1369-2-12-	0-L17100	3837	459	17310	117	-2	6.0	9.9	-276	-1	-1	9.9	2072	30	4.8	91	1.273
16-45.8694-115.1547-2-12-	0-L17101	4250	405	18810	97	-2	5.3	6.0	-222	-1		6.9	2180	36	3.5	62	1.314
16-45.8928-115.2417-2-12-	0-L17103	5431	346	9366	112	-2	6.9	6.1	-188	-1	-1	9.3	2858	43	4.4	-37	0.553
16-45.9119-115.2450-2-12-	0-L17104	5413	389	14320	59	-2	7.6	12.8	-249	-2	1	21.4	3030	47	9.5	75	0.357
16-45.9186-115.2494-2-12-	0-L17105	2793	453	17930	104	-2	5.8	27.4	-218	4	1	61.0	5305	60	12.1	91	0.247
16-45.9503-115.2781-2-12-	0-L17106	4174	424	14530	103	-3	10.7	12.6	-249	-2	1	21.7	4164	58	10.3	101	0.290
16-45.9517-115.2783-2-12-	0-L17107	4852	491	21150	86	-3	14.1	24.1	-244	-2	2	40.2	5167	82	16.7	85	0.253
16-45.9631-115.2878-2-12-	0-L17108	5403	528	17250	-56	-4	10.5	43.5	-365	-3	4	73.3	4380	69	28.7	-72	0.159
16-45.9908-115.2867-2-12-	0-L17109	8491	942	20590	-42	-3	13.4	24.8	-342	-2	2	37.6	9154	95	15.5	-49	0.213
16-45.7650-115.0453-2-12-	0-L17110	7894	1283	23870	-48	-3	15.4	14.3	-386	5	-1	28.9	9681	76	8.2	198	0.504
16-45.6892-115.0617-2-12-	0-L17111	9503	935	24110	-40	-3	14.8	14.6	-308	3	1	24.8	5863	64	5.7	121	0.476
16-45.6897-115.0664-2-12-	0-L17112	5719	779	22890	142	-3	11.6	20.0	-357	4	-1	36.6	3847	77	10.3	140	0.447
16-45.6639-115.8258-2-12-	0-L17113	4054	485	32160	-28	-2	5.2	12.2	-307	-1	-1	17.2	2268	27	6.5	-29	0.397
16-45.6650-115.8256-2-12-	0-L17114	-2414	586	32620	-26	-2	4.8	7.3	-295	-1	-1	15.5	2688	30	5.1	-25	0.285
16-45.6650-115.8011-2-12-	0-L17115	-2608	460	32450	61	-2	5.2	11.1	828	-2	-1	20.8	3162	36	5.9	65	0.189
16-45.6608-115.7889-2-12-	0-L17116	-2919	866	32010	90	-2	5.7	7.7	640	-1	-1	14.3	2554	42	4.9	71	0.278
16-45.6589-115.7803-2-12-	0-L17117	-2583	372	30170	-33	-2	5.8	12.8	-290	-2	1	26.0	2535	30	6.7	-26	0.252
16-45.6583-115.7814-2-12-	0-L17118	5415	665	29260	-31	-2	6.9	8.2	-326	-1	-1	14.6	5234	43	5.3	77	0.362
16-45.6681-115.8294-2-11-	0-L17119	-2426	261	22190	-37	-3	8.0	10.3	367	-2	-1	6.4	3727	40	4.0	-49	13.820
16-45.6772-115.8361-2-12-	0-L17120	5457	483	29210	-30	-2	6.4	19.3	-251	-1	1	41.4	4544	58	10.0	66	0.173
16-45.6931-115.8075-2-11-	0-L17121	3999	563	14410	-47	-3	9.2	16.8	-341	-2	1	11.7	2952	41	6.0	75	0.328
16-45.7094-115.7983-2-11-	0-L17122	5981	504	19400	-47	-3	9.9	6.4	-341	-2	-1	10.7	4355	67	4.8	-59	0.305
16-45.7103-115.7992-2-12-	0-L17123	5672	430	28940	72	-2	8.4	20.7	663	-2	2	35.5	5237	53	9.8	56	0.218
16-45.7231-115.8089-2-11-	0-L17124	10320	805	23570	-39	-2	10.5	10.0	-306	-1	-1	18.3	6072	83	6.3	116	0.280
16-45.7278-115.7739-2-11-	0-L17125	6132	654	19930	-51	-3	13.4	22.1	-336	-2	-1	18.8	4468	80	10.2	135	0.397
16-45.5300-115.3053-2-12-	0-L17126	8309	878	22020	114	-3	10.2	41.0	451	-2	3	95.5	7066	76	17.2	187	0.121
16-45.5172-115.3228-2-15-	0-L17127	11370	1015	16890	119	-3	12.2	11.8	-362	-2	-1	15.8	5296	71	6.4	-75	0.403
16-45.5150-115.3228-2-12-	0-L17128	15780	1463	19760	135	-2	12.2	10.3	-351	-1	-1	19.3	5208	72	6.3	120	0.255
16-45.5103-115.3228-2-11-	0-L17129	8478	445	25310	110	-3	12.5	12.6	-267	-2	-1	21.6	4222	57	7.2		0.425
16-45.5064-115.3247-2-12-	0-L17130	13010	889	21040	115	-3	14.3	10.2	-389	-2	-1	19.8	6646	84	7.4	-101	0.429
16-45.4914-115.3372-2-12-	0-L17131	17770	756	19600	-44	-3	14.3	9.9	-349	-1	-1	17.1	5814	94	5.7	107	0.266
16-45.4864-115.3458-2-11-	0-L17132	8507	540	15990	105	-2	10.1	8.8	-196	-1	-1	23.9	4410	74	6.9	122	0.285
16-45.4825-115.3528-2-12-	0-L17133	7393	685	15910	73	-2	11.1	14.1	-244	-2	1	33.9	6154	78	8.9	92	0.306
16-45.4753-115.3722-2-12-	0-L17134	9274	562	17570	103	-3	12.0	13.4	-336	-2	-1	18.3	4806	74	7.5	181	0.969
16-45.6981-114.5433-2-12-	0-L17135	-1867	547	6546	-47	-3	5.5	68.1	-336	-2	4	19.4	1395	35	15.2	159	5.387
16-45.6767-114.5422-2-12-	0-L17136	4544	364	11500	182	-2	4.7	12.5	-188	-1	1	17.3	1412	23	5.2	-110	1.014
16-45.4300-115.4608-2-12-	0-L17137	8032	1078	21250	96	-2	7.7	5.7	-377	-1	-1	8.7	-851	38	2.4	69	0.513
16-45.4183-115.4647-2-12-	0-L17138	-2805	746	25420	-35	-3	4.9	13.8	-399	-2	-1	20.2	1938	27	6.9	-72	0.958
16-45.4169-115.4658-2-11-	0-L17139	5840	480	16660	83	-2	10.7	15.7	-224	2	-1	29.6	5626	66	9.7	80	0.264
16-45.6778-114.5411-2-12-	0-L17140	3650	209	9473	156	-2	4.8	8.5	-161	-1		18.7	2608	23	5.4	93	0.653
16-45.6772-114.5444-2-12-	0-L17141	-1911	238	21060	240	-2	4.5	32.3	-209	5	2	46.3	2055	17	13.5	140	0.714
16-45.6928-114.5586-2-12-	0-L17142	2913	207	17030	200	-2	4.0	13.9	-199	3	1	26.0	1500	20	7.0	-66	0.507
16-45.5403-115.2689-2-12-	0-L17143	14630	640	21510	142	-3	14.5	15.7	-312	-2	-1	17.4	7356	81	5.1	141	0.743
16-45.5403-115.2725-2-12-	0-L17144	17040	1013	19560	102	-2	16.0	10.8	-285	-2	-1	27.0	4750	90	5.8	108	0.240
16-45.5322-115.2997-2-12-	0-L17145	9109	402	23440	94	-2	8.8	11.9	-247	-1	-1	21.6	4130	52	6.9	99	0.344
16-45.5389-115.3117-2-11-	0-L17146	6245	396	20960	134	-2	8.4	10.1	-261	-1	-1	20.9	3546	40	4.9	-73	1.030
16-45.5689-115.3217-2-11-	0-L17147	9918	479	19090	79	-3	10.5	6.8	-328	-1	-1	13.3	5169	69	2.8	-81	0.380
16-45.5708-115.3236-2-12-	0-L17148	18420	1027	17790	84	-3	18.2	6.7	-308	-1	-1	12.8	4691	93	3.2	112	0.287
16-45.5736-115.3119-2-12-	0-L17149	6201	536	22100	70	-2	9.6	13.6	547	-2	-1	28.0	4974	64	6.7	-34	0.219
16-45.5792-115.3083-2-12-	0-L17150	9051	1085	21790	94	-3	15.8	55.9	-366	9	4	129.2	8794	63	31.4	-104	0.214
16-45.5908-115.3039-2-12-	0-L17151	8385	576	15400	-36	-3	11.5	19.5	-279	-2	-1	24.7	5269	59	9.3	102	0.357

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																										U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umhos/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.6000-	115.3028-	2-	12-		0-L17152-	08/07/79-	16-	30-	13.6-	-	-	7.3-	10-	12-	2-	6-	-	-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	5.75
16-	45.6103-	115.3247-	2-	12-		0-L17153-	08/07/79-	17-	30-	17.9-	-	-	7.5-	5-	12-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	12.08
16-	45.6150-	115.3164-	2-	12-		0-L17154-	08/07/79-	17-	30-	19.4-	-	-	7.3-	4-	24-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	11.19
16-	45.6164-	115.3181-	2-	11-		0-L17155-	08/07/79-	17-	30-	13.1-	-	-	7.2-	3-	21-	2-	6-	5-	6-	3-	3-	1-	-	1-	3-	3-	2-	-1-	-	-	-	-	9.82
16-	45.6169-	115.3225-	2-	12-		0-L17156-	08/07/79-	17-	30-	16.6-	-	-	7.1-	4-	7-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	11.69
16-	45.3950-	115.4911-	2-	11-		0-L17157-	08/07/79-	19-	26-	12.3-	-	-	7.6-	191-	12-	2-	6-	5-	6-	3-	3-	1-	-	1-	3-	5-	1-	-1-	-	-	-	-	27.96
16-	45.3908-	115.4950-	2-	15-		0-L17158-	08/07/79-	20-	27-	-	-	-	-	-	9-	2-	6-	5-	6-	-	1-	-	1-	3-	3-	5-	1-	-1-	-	-	-	-	2.49
16-	45.7097-	114.5200-	2-	12-		0-L17159-	08/09/79-	15-	29-	13.1-	-	-	7.2-	26-	15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	25.29
16-	45.7097-	114.5225-	2-	11-		0-L17160-	08/09/79-	15-	29-	10.9-	-	-	7.3-	11-	10-	2-	6-	5-	6-	3-	3-	1-	-	1-	3-	5-	2-	-1-	-	-	-	-	4.59
16-	45.6972-	114.5258-	2-	12-		0-L17161-	08/09/79-	15-	28-	15.3-	-	-	7.1-	23-	6-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	12.09
16-	45.6978-	114.5325-	2-	11-		0-L17162-	08/09/79-	15-	29-	14.9-	-	-	7.1-	38-	8-	2-	6-	3-	6-	2-	2-	1-	-	1-	3-	5-	2-	-1-	-	-	-	-	35.48
16-	45.7483-	115.2969-	2-	12-		0-L17163-	07/31/79-	14-	35-	16.2-	-	-	7.0-	32-	12-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	2-	1-	-1-	-	-	-	-	9.91
16-	45.7406-	115.3036-	2-	12-		0-L17164-	07/31/79-	14-	35-	14.3-	-	-	7.1-	21-	18-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	2-	1-	-1-	-	-	-	-	18.09
16-	45.7383-	115.3033-	2-	12-		0-L17165-	07/31/79-	14-	35-	13.3-	-	-	7.2-	34-	18-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	2-	1-	-1-	-	-	-	-	6.73
16-	45.7206-	115.3281-	2-	12-		0-L17166-	07/31/79-	14-	35-	12.7-	-	-	7.1-	34-	16-	2-	6-	4-	6-	2-	2-	1-	2-	2-	3-	2-	1-	-1-	-	-	-	-	9.03
16-	45.7483-	115.3156-	2-	12-		0-L17167-	07/31/79-	15-	35-	12.3-	-	-	6.9-	18-	8-	2-	6-	4-	6-	2-	2-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	9.53
16-	45.7339-	115.2572-	2-	12-		0-L17168-	07/31/79-	15-	35-	11.6-	-	-	6.8-	17-	10-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	10.81
16-	45.6978-	115.3381-	2-	12-		0-L17169-	07/31/79-	15-	35-	14.6-	-	-	6.0-	28-	10-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	13.50
16-	45.6739-	115.3444-	2-	12-		0-L17170-	07/31/79-	16-	35-	16.8-	-	-	6.3-	22-	35-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	33.39
16-	45.6722-	115.3425-	2-	12-		0-L17171-	07/31/79-	16-	35-	13.3-	-	-	6.6-	22-	14-	2-	6-	4-	6-	2-	2-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	34.00
16-	45.6722-	115.3411-	2-	12-		0-L17172-	07/31/79-	16-	35-	14.1-	-	-	6.6-	21-	18-	2-	6-	4-	6-	3-	3-	1-	2-	2-	3-	3-	1-	-1-	-	-	-	-	8.45
16-	45.6467-	115.3386-	2-	12-		0-L17173-	07/31/79-	16-	35-	16.1-	-	-	6.5-	19-	4-	2-	7-	6-	8-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	4.26
16-	45.6722-	115.3619-	2-	12-		0-L17174-	07/31/79-	17-	34-	12.0-	-	-	6.1-	42-	25-	2-	6-	4-	6-	2-	2-	1-	2-	1-	2-	3-	1-	-1-	-	-	-	-	14.54
16-	45.7150-	115.3522-	2-	12-		0-L17175-	07/31/79-	17-	35-	13.9-	-	-	6.0-	39-	12-	2-	6-	4-	6-	2-	2-	1-	2-	4-	3-	2-	1-	-3-	-	-	-	-	13.20
16-	45.6961-	115.3653-	2-	12-		0-L17176-	07/31/79-	17-	35-	12.2-	-	-	6.2-	36-	23-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	15.79
16-	45.6981-	115.3600-	2-	12-		0-L17177-	07/31/79-	18-	35-	18.4-	-	-	6.5-	21-	35-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	21.87
16-	45.7156-	115.3672-	2-	12-		0-L17178-	07/31/79-	18-	35-	19.8-	-	-	6.7-	31-	12-	2-	6-	4-	6-	2-	2-	1-	2-	1-	2-	2-	1-	-1-	-	-	-	-	8.02
16-	45.6861-	115.2058-	2-	11-		0-L17179-	08/01/79-	11-	32-	3.2-	-	-	7.8-	9-	10-	2-	6-	6-	8-	2-	2-	1-	-	1-	3-	3-	1-	-1-	-	-	-	-	7.39
16-	45.6950-	115.1514-	2-	11-		0-L17180-	08/01/79-	12-	33-	7.6-	-	-	7.5-	14-	14-	2-	7-	5-	8-	2-	2-	1-	-	1-	2-	3-	1-	-1-	-	-	-	-	12.11
16-	45.7214-	115.0289-	2-	12-		0-L17182-	08/01/79-	12-	36-	10.4-	-	-	6.8-	15-	15-	2-	1-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	10.49
16-	45.7181-	115.0411-	2-	15-		0-L17183-	08/01/79-	13-	36-	-	-	-	-	-	24-	2-	6-	5-	8-	-	1-	-	2-	1-	3-	4-	1-	-1-	-	-	-	-	8.31
16-	45.7244-	115.0372-	2-	12-		0-L17184-	08/01/79-	13-	36-	12.2-	-	-	7.4-	11-	30-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	12.50
16-	45.7258-	115.0367-	2-	12-		0-L17185-	08/01/79-	13-	36-	12.0-	-	-	6.8-	12-	23-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	12.31
16-	45.7339-	115.0269-	2-	12-		0-L17186-	08/01/79-	14-	36-	14.8-	-	-	7.8-	13-	31-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	10.53
16-	45.7425-	115.0217-	2-	12-		0-L17187-	08/01/79-	14-	36-	17.5-	-	-	7.5-	16-	11-	2-	6-	4-	6-	3-	3-	1-	2-	4-	3-	2-	1-	-1-	-	-	-	-	12.27
16-	45.7419-	115.0231-	2-	12-		0-L17188-	08/01/79-	15-	36-	15.9-	-	-	7.0-	11-	8-	2-	6-	4-	6-	3-	3-	1-	2-	4-	3-	2-	1-	-1-	-	-	-	-	14.71
16-	45.7397-	115.0192-	2-	12-		0-L17189-	08/01/79-	15-	36-	15.5-	-	-	7.3-	27-	4-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	2-	1-	-1-	-	-	-	-	15.10
16-	45.7414-	115.0186-	2-	12-		0-L17190-	08/01/79-	15-	36-	16.8-	-	-	7.3-	15-	12-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	2-	1-	-1-	-	-	-	-	8.48
16-	45.7294-	115.0303-	2-	12-		0-L17191-	08/01/79-	16-	35-	12.4-	-	-	7.6-	16-	16-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-	-	-	-	-	10.10
16-	45.6942-	115.2300-	2-	11-		0-L17192-	08/01/79-	17-	30-	12.7-	-	-	7.7-	13-	6-	2-	6-	6-	8-	2-	2-	1-	-	4-	3-	3-	1-	-1-	-	-	-	-	2.66
16-	45.3528-	115.5158-	2-	12-		0-L17193-	08/03/79-	14-	44-	16.2-	-	-	7.3-	65-	6-	2-	7-	5-	6-	2-	2-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	63.08
16-	45.3356-	115.5006-	2-	12-		0-L17194-	08/03/79-	15-	45-	16.4-	-	-	8.0-	79-	10-	2-	7-	5-	7-	2-	2-	1-	2-	2-	3-	5-	1-	-1-	-	-	-	-	5.84
16-	45.3331-	115.4978-	2-	15-		0-L17195-	08/03/79-	16-	45-	-	-	-	-	-	8-	2-	7-	5-	6-	-	1-	-	2-	3-	2-	5-	1-	-1-	-	-	-	-	3.27
16-	45.3569-	115.5203-	2-	12-		0-L17196-	08/03/79-	17-	45-	14.7-	-	-	8.2-	33-	5-	2-	1-	5-	6-	2-	2-	1-	2-	2-	2-	5-	1-	-3-	-	-	-	-	12.38
16-	45.3447-	115.5181-	2-	12-		0-L17197-	08/03/79-	18-	40-	14.6-	-	-	8.1-	43-	15-	2-	1-	5-	8-	2-	2-	1-	2-	2-	3-	5-	1-	-1-	-	-	-	-	10.91
16-	45.3650-	115.5094-	2-	11-		0-L17198-	08/03/79-	19-	40-	16.3-	-	-	7.8-	294-	6-	2-	7-	4-	6-	2-	2-	1-	-	2-	2-	5-	1-	-1-	-	-	-	-	13.59
16-	45.4300-	115.5322-	2-	11-		0-L17199-	08/04/79-	9-	28-	12.3-	-	-	9.6-	19-	12-	-	5-	5-	8-	2-	2-	1-	-	1-	3-	5-	1-	-1-	-	-	-	-	4.88
16-	45.4419-	115.5419-	2-	12-		0-L17200-	08/04/79-	9-	28-	6.8-	-	-	9.4-	16-	12-	2-	7-	5-	9-	2-	2-	1-	-	1-	3-	5-	1-	-1-	-	-	-	-	7.13
16-	45.4683-	115.5647-	2-	11-		0-L17201-	08/04/79-	9-	28-	6.7-	-	-	8.5-	17-	12-	2-	6-	4-	6-	2-	2-	1-	-	1-	3-	5-	2-	-1-	-	-	-	-	6.62
16-	45.5064-	115.5167-	2-	12-		0-L17202-	08/04/79-	10-	28-	7.5-	-	-	8.4-	21-	10-	2-	6-	4-	6-	2-	2-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	7.49
16-	45.5267-	115.5089-	2-	12-		0-L17203-	08/04/79-	10-	30-	8.8-	-	-	8.2-	20-	8-	2-	6-	5-	6-	2-	2-	1-	2-	1-	2-	3-	2-	-1-	-	-	-	-	5.48

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-45.6000-115.3028-2-12-	0-L17152	-5	6	-5	24	-20	21	10	-10	19	7	-5	485	2	67
16-45.6103-115.3247-2-12-	0-L17153	-5	8	-5	11	-20	-15	13	-10	16	6	-5	782	3	77
16-45.6150-115.3164-2-12-	0-L17154	-5	9	-5	14	-20	17	10	-10	17	-5	-5	846	3	49
16-45.6164-115.3161-2-11-	0-L17155	-5	11	-5	20	-20	18	16	-10	-15	6	-5	499	3	90
16-45.6169-115.3225-2-12-	0-L17156	-5	16	-5	-10	-20	-15	10	-10	20	8	-5	1124	3	47
16-45.3950-115.4911-2-11-	0-L17157	-5	5	-5	20	-20	-15	17	-10	21	33	-5	102	3	49
16-45.3908-115.4950-2-15-	0-L17158	-5	4	-5	27	-20	15	12	-10	-15	14	-5	152	3	49
16-45.7097-114.5200-2-12-	0-L17159	-5	4	-5	20	-20	-15	18	-10	-15	-5	-5	236	3	76
16-45.7097-114.5225-2-11-	0-L17160	-5	7	-5	15	-20	15	8	-10	15	6	-5	258	2	98
16-45.6972-114.5258-2-12-	0-L17161	-5	6	-5	12	-20	-15	-5	-10	-15	8	-5	429	2	38
16-45.6978-114.5325-2-11-	0-L17162	-5	13	-5	16	-20	-15	10	-10	16	11	-5	989	4	87
16-45.7483-115.2969-2-12-	0-L17163	-5	9	-5	17	20	17	6	-10	16	8	-5	698	2	27
16-45.7406-115.3036-2-12-	0-L17164	5	20	-5	34	-20	15	10	-10	-15	9	-5	977	2	22
16-45.7383-115.3033-2-12-	0-L17165	-5	7	-5	39	-20	-15	23	-10	16	8	-5	301	2	53
16-45.7206-115.3281-2-12-	0-L17166	-5	-5	-5	17	-20	15	-5	-10	22	6	-5	491	2	38
16-45.7483-115.3156-2-12-	0-L17167	-5	10	-5	55	-20	16	-5	-10	-15	12	-5	753	2	32
16-45.7339-115.2572-2-12-	0-L17168	-5	-5	-5	20	-20	-15	22	-10	-15	-5	-5	654	2	47
16-45.6978-115.3381-2-12-	0-L17169	-5	9	-5	65	-20	18	18	-10	28	-5	-5	1095	3	38
16-45.6739-115.3444-2-12-	0-L17170	-5	24	-5	-10	-20	20	-5	-10	25	15	-5	1768	2	28
16-45.6722-115.3425-2-12-	0-L17171	-5	25	-5	-10	-20	-15	-5	-10	32	23	-5	2883	3	28
16-45.6722-115.3411-2-12-	0-L17172	-5	13	-5	27	-20	-15	17	-10	-15	-5	-5	479	3	38
16-45.6467-115.3386-2-12-	0-L17173	-5	-5	-5	26	-20	-15	-5	-10	18	18	-5	123	3	23
16-45.6722-115.3619-2-12-	0-L17174	-5	16	-5	15	-20	22	5	-10	16	16	-5	1091	2	47
16-45.7150-115.3522-2-12-	0-L17175	-5	13	-5	12	-20	-15	7	-10	28	13	-5	866	2	21
16-45.6961-115.3653-2-12-	0-L17176	-5	17	-5	20	-20	23	22	-10	23	16	-5	1150	2	38
16-45.6981-115.3600-2-12-	0-L17177	-5	14	-5	22	-20	22	16	-10	31	26	-5	1453	2	38
16-45.7156-115.3672-2-12-	0-L17178	-5	8	-5	12	-20	25	9	-10	-15	-5	-5	823	2	30
16-45.6861-115.2058-2-11-	0-L17179	-5	-5	-5	18	-20	-15	36	-10	-15	-5	-5	143	12	20
16-45.6950-115.1514-2-11-	0-L17180	-5	4	-5	-10	-20	-15	11	-10	-15	7	-5	829	3	46
16-45.7214-115.0289-2-12-	0-L17182	-5	10	-5	-10	-20	-15	5	-10	-15	7	-5	1239	2	65
16-45.7181-115.0411-2-15-	0-L17183	-5	10	-5	-10	37	-15	9	-10	20	8	-5	663	6	31
16-45.7244-115.0372-2-12-	0-L17184	-5	11	-5	13	-20	-15	10	13	-15	9	-5	747	5	58
16-45.7258-115.0367-2-12-	0-L17185	-5	8	-5	-10	-20	-15	8	10	23	11	-5	1013	6	32
16-45.7339-115.0269-2-12-	0-L17186	-5	11	-5	19	-20	25	13	10	-15	6	-5	574	7	60
16-45.7425-115.0217-2-12-	0-L17187	-5	15	-5	14	23	-15	8	-10	-15	9	-5	1059	6	37
16-45.7419-115.0231-2-12-	0-L17188	-5	10	-5	10	-20	-15	8	-10	-15	8	-5	671	7	46
16-45.7397-115.0192-2-12-	0-L17189	-5	6	-5	-10	53	15	9	-10	-15	5	-5	1719	2	59
16-45.7414-115.0186-2-12-	0-L17190	-5	9	-5	10	24	-15	13	-10	-15	5	-5	988	3	36
16-45.7294-115.0303-2-12-	0-L17191	-5	7	-5	28	-20	27	-5	-10	-15	9	-5	1012	3	56
16-45.6942-115.2300-2-11-	0-L17192	-5	-5	-5	15	-20	-15	14	-10	-15	-5	-5	205	2	24
16-45.3528-115.5158-2-12-	0-L17193	-5	-5	-5	13	-20	-15	12	-10	-15	11	-5	91	4	43
16-45.3356-115.5006-2-12-	0-L17194	-5	-5	-5	23	-20	-15	17	-10	-15	9	-5	103	3	42
16-45.3331-115.4978-2-15-	0-L17195	-5	6	-5	32	-20	-15	16	-10	15	15	-5	148	2	92
16-45.3569-115.5203-2-12-	0-L17196	-5	5	-5	21	-20	-15	15	-10	-15	-5	-5	113	3	28
16-45.3447-115.5181-2-12-	0-L17197	-5	-5	-5	16	-20	-15	16	-10	-15	-5	-5	133	3	23
16-45.3650-115.5094-2-11-	0-L17198	-5	-5	-5	11	-20	-15	8	-10	36	31	-5	95	3	31
16-45.4300-115.5322-2-11-	0-L17199	-5	5	-5	10	-20	-15	18	-10	-15	-5	-5	150	5	42
16-45.4419-115.5419-2-12-	0-L17200	-5	-5	-5	12	-20	-15	11	-10	-15	-5	-5	98	4	36
16-45.4683-115.5547-2-11-	0-L17201	-5	-5	-5	12	-20	-15	9	-10	-15	10	-5	115	6	45
16-45.5064-115.5167-2-12-	0-L17202	-5	8	-5	-10	-20	29	5	-10	15	-5	-5	569	4	27
16-45.5267-115.5089-2-12-	0-L17203	-5	6	-5	24	-20	-15	19	-10	-15	16	-5	243	3	40

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS — Concentrations reported in weight part: per million (ppm)															
		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-45.6000-115.3028-2-12-	0-L17152	87340	-0.09	723	16080	119	335	11.3	76	4.1	7	1.2	33120	15.9	19120	46	0.5
16-45.6103-115.3247-2-12-	0-L17153	77060	-0.09	603	20020	149	-138	8.9	73	3.9	8	1.5	26020	36.0	20210	74	0.7
16-45.6150-115.3164-2-12-	0-L17154	78590	-0.11	591	18630	130	-122	8.4	60	4.5	8	1.4	25610	30.4	24850	57	0.6
16-45.6164-115.3181-2-11-	0-L17155	89510	-0.12	502	13530	123	-141	9.6	60	4.3	13	1.7	37420	19.2	16720	62	0.8
16-45.6169-115.3225-2-12-	0-L17156	83150	-0.10	793	16430	300	-129	7.9	58	-1.9	21	2.6	26040	40.8	21270	122	1.6
16-45.3950-115.4911-2-11-	0-L17157	82600	-0.08	895	13810	88	-182	-1.2	-9	3.1	8	1.0	18010	3.4	28040	43	0.4
16-45.3908-115.4950-2-15-	0-L17158	80750	-0.10	625	10370	65	-140	12.3	67	4.6	5	1.0	27440	4.4	26410	32	0.4
16-45.7097-114.5200-2-12-	0-L17159	55620	-0.09	420	6963	81	-91	5.0	32	10.7	12	1.3	13010	10.4	23520	62	0.7
16-45.7097-114.5225-2-11-	0-L17160	73160	-0.07	882	5928	61	-89	6.0	39	9.3	4	0.9	19120	9.4	30250	28	0.3
16-45.6972-114.5258-2-12-	0-L17161	40890	-0.07	381	3842	78	-72	4.1	26	17.9	8	1.3	12520	15.0	16420	47	0.5
16-45.6978-114.5325-2-11-	0-L17162	67820	-0.13	522	12840	256	-115	6.8	28	21.8	16	2.7	27650	37.9	22010	152	1.2
16-45.7483-115.2969-2-12-	0-L17163	82640	-0.10	1002	24570	319	214	10.4	36	-2.1	20	3.6	44980	30.1	14680	126	1.5
16-45.7406-115.3036-2-12-	0-L17164	77980	-0.09	1243	13810	653	-120	9.8	54	5.3	37	5.3	37720	39.5	24280	257	2.4
16-45.7383-115.3033-2-12-	0-L17165	77640	-0.07	915	14490	185	-124	8.7	39	5.8	11	2.2	26620	14.8	20660	82	0.6
16-45.7206-115.3281-2-12-	0-L17166	82140	-0.10	914	24010	165	-128	9.4	41	6.4	12	2.4	38580	21.9	16660	74	0.9
16-45.7483-115.3156-2-12-	0-L17167	97100	-0.12	1015	9343	364	236	19.8	73	6.0	23	3.1	52870	26.9	25760	138	1.6
16-45.7339-115.2572-2-12-	0-L17168	85380	-0.07	1212	24540	168	-120	7.3	29	4.5	11	2.1	29220	26.3	18290	77	1.0
16-45.6978-115.3381-2-12-	0-L17169	75680	-0.08	694	13880	404	-127	8.2	38	5.0	24	3.6	20890	65.7	20530	170	1.9
16-45.6739-115.3444-2-12-	0-L17170	74940	-0.20	561	17520	1396	-126	8.3	77	-2.2	74	5.4	22770	93.3	15680	587	4.6
16-45.6722-115.3425-2-12-	0-L17171	72550	-0.12	631	16820	1350	-123	7.5	79	3.7	73	7.3	25190	147.8	15840	573	4.8
16-45.6722-115.3411-2-12-	0-L17172	75530	-0.07	746	16400	203	-106	7.7	47	2.7	12	1.8	24970	18.9	25120	80	0.9
16-45.6467-115.3386-2-12-	0-L17173	57010	-0.13	-303	-1519	89	287	17.3	43	3.4	7	1.7	70980	5.5	11830	29	0.3
16-45.6722-115.3619-2-12-	0-L17174	79110	-0.10	889	14000	393	-123	9.0	62	3.0	23	2.9	26600	42.6	19560	158	1.4
16-45.7150-115.3522-2-12-	0-L17175	76370	-0.10	1120	12630	578	-110	8.9	71	3.4	36	5.1	29990	48.0	22410	243	2.7
16-45.6961-115.3653-2-12-	0-L17176	88090	-0.10	1052	12660	500	-120	10.0	56	5.1	33	3.8	28670	51.7	26100	202	2.2
16-45.6981-115.3600-2-12-	0-L17177	84100	-0.11	1009	12760	813	-126	11.1	70	4.6	38	6.5	37630	65.0	19410	320	2.2
16-45.7156-115.3572-2-12-	0-L17178	81920	-0.10	714	17560	308	238	8.6	59	3.6	18	3.0	33170	38.0	19740	120	1.3
16-45.6861-115.2058-2-11-	0-L17179	45090	-0.12	570	17200	54	559	5.8	41	-2.2	4	1.2	15670	5.3	-6561	28	0.3
16-45.6950-115.1514-2-11-	0-L17180	67190	-0.09	-153	23580	63	284	8.8	126	4.5	10	1.4	24530	33.5	15010	39	0.9
16-45.7214-115.0289-2-12-	0-L17182	59310	-0.10	618	24410	271	-147	9.8	41	3.0	12	2.0	39290	47.3	16360	134	0.7
16-45.7181-115.0411-2-15-	0-L17183	74950	-0.10	348	10790	276	-165	5.5	-11	3.3	12	0.9	27990	32.5	25890	122	0.7
16-45.7244-115.0372-2-12-	0-L17184	72830	-0.09	-155	10760	326	-131	4.7	-11	4.9	13	1.2	23880	38.7	22350	153	0.8
16-45.7258-115.0367-2-12-	0-L17185	72190	-0.08	501	18260	371	-133	6.6	27	3.5	13	1.2	27910	50.0	18600	195	1.0
16-45.7339-115.0269-2-12-	0-L17186	66170	-0.10	444	18230	170	-148	8.4	41	3.4	12	1.4	26770	26.1	16390	81	0.8
16-45.7425-115.0217-2-12-	0-L17187	69030	-0.10	434	14410	316	-146	3.5	28	3.7	12	0.9	20870	45.7	19900	159	1.0
16-45.7419-115.0231-2-12-	0-L17188	70510	-0.09	372	13140	228	-135	4.3	17	3.6	12	0.7	18500	35.6	21480	111	1.0
16-45.7397-115.0192-2-12-	0-L17189	80330	-0.10	-192	23040	251	338	8.8	31	-2.1	10	2.1	45540	59.8	22290	128	0.7
16-45.7414-115.0186-2-12-	0-L17190	59310	-0.09	514	15910	270	250	5.9	42	2.7	11	1.6	34560	40.7	21230	131	0.7
16-45.7294-115.0303-2-12-	0-L17191	67740	-0.13	609	27240	255	-136	14.2	97	-2.6	10	1.7	39340	46.0	20680	118	0.6
16-45.6942-115.2300-2-11-	0-L17192	61190	-0.12	428	18410	57	375	9.1	50	-2.5	4	1.0	22360	6.7	11160	13	0.3
16-45.3528-115.5158-2-12-	0-L17193	83640	-0.06	-151	14800	66	-144	-1.0	20	-1.2	-1	1.0	10340	2.8	19560	52	0.4
16-45.3356-115.5006-2-12-	0-L17194	73650	-0.07	832	17520	54	-181	4.8	20	1.9	4	0.6	17050	3.1	26710	24	0.3
16-45.3331-115.4978-2-15-	0-L17195	81490	-0.09	971	16470	89	-131	9.7	38	5.2	5	1.3	33710	4.5	20360	31	0.3
16-45.3569-115.5203-2-12-	0-L17196	85670	-0.06	812	14130	107	-145	-1.0	15	-1.3	8	1.1	11510	4.3	29180	57	0.5
16-45.3447-115.5181-2-12-	0-L17197	86020	-0.06	854	16990	161	-143	2.8	26	-1.1	14	1.4	13270	3.5	22570	78	0.8
16-45.3650-115.5094-2-11-	0-L17198	82210	-0.07	617	17520	66	-168	5.3	-7	3.3	5	0.9	17760	3.2	21950	38	0.3
16-45.4300-115.5322-2-11-	0-L17199	101300	-0.09	536	12850	81	-151	2.9	16	2.7	7	0.9	12540	5.4	23280	40	0.4
16-45.4419-115.5419-2-12-	0-L17200	85100	-0.09	495	12070	58	-150	6.3	24	3.0	6	1.0	15520	3.1	21070	29	0.3
16-45.4683-115.5447-2-11-	0-L17201	93800	-0.08	823	12170	81	304	3.0	19	3.4	9	1.1	13930	4.3	26650	44	0.5
16-45.5064-115.5167-2-12-	0-L17202	56260	-0.07	704	10820	286	-122	6.3	51	2.3	18	3.0	26520	22.2	21380	135	1.6
16-45.5267-115.5089-2-12-	0-L17203	100200	-0.11	953	9021	70	-118	9.4	36	3.6	7	1.4	24620	8.5	24940	42	0.4

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.6000-	115.3028-	2-	12-		0-L17152	8692	632	18910	71	-2	11.2	6.6	-257	-2	-1	18.3	5164	73	5.1	143	0.314
16-	45.6103-	115.3247-	2-	12-		0-L17153	6933	636	22920	106	-2	12.7	10.7	448	-2	1	28.5	4512	50	6.7	72	0.424
16-	45.6150-	115.3164-	2-	12-		0-L17154	7630	506	23430	104	-3	11.9	8.3	-296	-2	-1	27.7	3996	50	6.6	-11	0.404
16-	45.6164-	115.3181-	2-	11-		0-L17155	7653	987	21090	102	-3	12.6	15.5	-387	-2	-1	33.1	6082	59	9.5	187	0.297
16-	45.6169-	115.3225-	2-	12-		0-L17156	5676	501	22000	120	-3	11.6	21.0	639	-2	2	49.3	6040	60	15.6	86	0.237
16-	45.3950-	115.4911-	2-	11-		0-L17157	-2915	1157	24390	148	-2	5.8	8.5	-410	3	-1	8.1	1800	-12	4.6	110	3.452
16-	45.3908-	115.4950-	2-	15-		0-L17158	8752	1363	19980	138	-3	10.2	4.3	-420	4	-1	7.4	3252	51	3.4	-146	0.336
16-	45.7097-	114.5200-	2-	12-		0-L17159	5603	167	11600	127	-2	4.8	19.3	-205	-2	-1	16.3	2329	30	6.5	125	1.552
16-	45.7097-	114.5225-	2-	11-		0-L17160	7391	423	9956	200	-2	6.0	3.8	-205	-1	-1	13.5	3270	47	4.0	-38	0.340
16-	45.6972-	114.5258-	2-	12-		0-L17161	4929	184	7357	95	-4	4.2	9.9	-153	-1	-1	12.9	2006	24	4.7	71	0.937
16-	45.6978-	114.5325-	2-	11-		0-L17162	7319	776	11770	126	-2	9.4	24.3	-345	-2	-1	47.9	4727	37	12.1	120	0.741
16-	45.7483-	115.2969-	2-	12-		0-L17163	5616	1035	22760	-41	-3	10.7	27.8	677	-2	2	47.4	5063	85	15.6	122	0.209
16-	45.7406-	115.3036-	2-	12-		0-L17164	4955	927	19350	-41	-2	9.4	44.7	-281	-2	4	109.6	5089	72	26.4	61	0.165
16-	45.7383-	115.3033-	2-	12-		0-L17165	5053	617	20550	141	-2	8.8	14.7	-255	-2	1	24.3	3357	47	7.5	132	0.277
16-	45.7206-	115.3281-	2-	12-		0-L17166	8036	796	24620	-42	-3	13.7	11.3	628	2	1	21.8	3695	85	9.0	170	0.414
16-	45.7483-	115.3156-	2-	12-		0-L17167	7047	1126	16520	122	-3	10.9	28.4	-390	-2	2	60.0	5219	74	16.0	88	0.159
16-	45.7339-	115.2572-	2-	12-		0-L17168	6056	631	26190	98	-2	8.7	11.7	-238	-1	1	25.2	4354	61	9.4	75	0.429
16-	45.6978-	115.3381-	2-	12-		0-L17169	4218	578	22520	87	-2	9.4	32.8	-260	-2	2	67.4	5428	46	20.3	85	0.200
16-	45.6739-	115.3444-	2-	12-		0-L17170	4197	820	25620	83	-3	10.1	120.1	-325	3	8	270.7	6206	49	58.4	-56	0.123
16-	45.6722-	115.3425-	2-	12-		0-L17171	4423	969	23430	-45	-3	10.3	129.7	-334	5	8	252.1	10050	64	53.9	147	0.135
16-	45.6722-	115.3411-	2-	12-		0-L17172	5911	544	20160	103	-2	9.5	14.0	-219	-1	1	30.5	3920	52	10.6	43	0.277
16-	45.6467-	115.3386-	2-	12-		0-L17173	-3230	2487	7280	-66	-3	9.8	7.6	-622	-2	-1	11.4	-1404	79	4.7	-30	0.374
16-	45.6722-	115.3619-	2-	12-		0-L17174	5658	675	21110	111	-3	9.8	30.7	-322	-2	2	61.9	5666	64	15.3	125	0.235
16-	45.7150-	115.3522-	2-	12-		0-L17175	5267	442	23040	92	-2	8.4	57.2	-266	-2	4	87.3	4907	70	29.9	139	0.151
16-	45.6961-	115.3653-	2-	12-		0-L17176	5878	415	21570	113	-2	10.3	37.5	-237	-2	3	85.2	5307	71	24.3	112	0.185
16-	45.6981-	115.3600-	2-	12-		0-L17177	7597	543	17530	118	-3	13.3	62.6	-276	-3	4	123.7	5500	75	24.1	-65	0.177
16-	45.7156-	115.3672-	2-	12-		0-L17178	7835	462	25830	101	-3	11.1	22.4	384	-2	2	46.3	5125	65	14.3	148	0.173
16-	45.6861-	115.2059-	2-	11-		0-L17179	5035	1477	10840	-47	-3	6.1	5.0	-542	-2	-1	8.5	2834	37	3.7	91	0.869
16-	45.6950-	115.1514-	2-	11-		0-L17180	7356	519	19410	-37	-2	13.2	7.5	-258	-2	-1	10.3	5164	71	8.1	63	1.176
16-	45.7214-	115.0289-	2-	12-		0-L17182	7823	832	24250	-43	-3	16.3	17.2	-308	-2	-1	26.6	6352	63	7.9	118	0.394
16-	45.7181-	115.0411-	2-	15-		0-L17183	-2893	1525	25350	143	-2	6.1	16.3	-474	4	1	33.9	2768	-12	9.7	126	0.245
16-	45.7244-	115.0372-	2-	12-		0-L17184	-2270	494	24900	88	-2	6.9	22.6	-305	4	-1	45.6	4384	35	12.5	155	0.274
16-	45.7258-	115.0367-	2-	12-		0-L17185	5671	748	26070	101	-2	9.0	19.1	-279	-2	1	39.9	3880	48	9.3	154	0.309
16-	45.7339-	115.0269-	2-	12-		0-L17186	7619	597	21550	114	-3	11.3	12.9	-300	3	-1	25.7	2974	58	8.1	132	0.410
16-	45.7425-	115.0217-	2-	12-		0-L17187	5337	539	26940	-41	-3	6.3	19.6	-348	-2	-1	45.9	4087	26	10.4	-133	0.267
16-	45.7419-	115.0231-	2-	12-		0-L17188	4915	617	26420	117	-2	5.3	19.5	-320	-1	-1	47.2	3353	21	12.3	-82	0.312
16-	45.7397-	115.0192-	2-	12-		0-L17189	6644	978	23510	-41	-3	15.1	13.8	-315	5	-1	20.3	8119	45	8.1	152	0.744
16-	45.7414-	115.0186-	2-	12-		0-L17190	7445	701	25900	139	-2	11.8	16.3	-287	-2	-1	25.7	4669	47	7.2	175	0.330
16-	45.7294-	115.0303-	2-	12-		0-L17191	13460	909	22670	95	-3	15.5	13.8	-371	-2	-1	27.9	7419	78	6.4	-57	0.362
16-	45.6942-	115.2300-	2-	11-		0-L17192	9955	603	17280	-46	-3	9.8	4.1	-396	-2	-1	8.4	3076	60	-2.5	-97	0.317
16-	45.3528-	115.5158-	2-	12-		0-L17193	-2356	355	36830	99	-1	3.3	-0.7	-255	2		7.3	1669	24	3.4	-11	8.641
16-	45.3356-	115.5006-	2-	12-		0-L17194	-2907	1709	24270	108	-2	6.1	3.7	-435	-1	-1	7.2	2148	30	3.5	184	0.811
16-	45.3331-	115.4978-	2-	15-		0-L17195	5178	1668	16840	98	-2	9.1	4.4	-431	-2	-1	11.3	3260	61	2.8	205	0.289
16-	45.3569-	115.5203-	2-	12-		0-L17196	-2514	360	36070	94	-2	3.3	10.2	451	-1	-1	14.6	-733	-8	6.5	63	0.848
16-	45.3447-	115.5181-	2-	12-		0-L17197	-2281	447	36510	92	-1	4.0	11.2	-255	-1	1	23.0	1520	28	8.7	97	0.474
16-	45.3650-	115.5094-	2-	11-		0-L17198	-2622	859	28250	116	-2	4.6	6.4	-341	-2	-1	8.2	1944	-10	3.4	105	1.657
16-	45.4300-	115.5322-	2-	11-		0-L17199	-2721	388	31770	119	-2	5.7	5.7	490	-1	-1	12.0	2432	28	4.9	-49	0.407
16-	45.4419-	115.5419-	2-	12-		0-L17200	-2618	537	25130	-35	-2	5.7	5.7	-354	-2	-1	9.9	2574	28	4.1	-93	0.720
16-	45.4683-	115.5647-	2-	11-		0-L17201	4339	333	28930	98	-2	5.4	7.0	-256	-1	1	12.1	2283	30	4.9	51	0.547
16-	45.5064-	115.5167-	2-	12-		0-L17202	4016	674	20910	98	-2	7.9	24.8	-254	4	2	43.3	4913	52	17.5	87	0.173
16-	45.5267-	115.5089-	2-	12-		0-L17203	4692	551	14340	133	-3	9.7	7.0	-318	-1	-1	12.8	3996	60	6.4	-21	0.506

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.5331-	115.5031-	2-	12-	0-	L17204-	08/04/79-	10-	30-	8.1-	-	-	8.0-	18-	16-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	7.98
16-	45.5506-	115.4586-	2-	12-	0-	L17205-	08/04/79-	11-	30-	9.4-	-	-	7.9-	28-	15-	2-	7-	4-	6-	2-	2-	1-	2-	1-	2-	3-	2-	-1-	-	-	-	-	5.89
16-	45.6142-	115.4372-	2-	11-	0-	L17206-	08/04/79-	11-	31-	5.6-	-	-	7.3-	12-	16-	2-	1-	4-	6-	2-	2-	1-	-1-	2-	3-	2-	-1-	-1-	-	-	-	-	9.04
16-	45.6197-	115.4514-	2-	12-	0-	L17207-	08/04/79-	11-	32-	8.9-	-	-	7.7-	14-	22-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	14.19
16-	45.6247-	115.6669-	2-	12-	0-	L17208-	08/05/79-	11-	30-	12.7-	C-	-	6.0-	18-	10-	2-	6-	5-	8-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	64.84
16-	45.6136-	115.6872-	2-	11-	0-	L17209-	08/05/79-	11-	30-	4.0-	-	-	6.4-	13-	10-	2-	7-	5-	8-	3-	3-	1-	-4-	1-	5-	1-	-1-	-1-	-	-	-	-	6.11
16-	45.6044-	115.6739-	2-	11-	0-	L17210-	08/05/79-	12-	29-	15.6-	-	-	6.0-	11-	6-	2-	6-	5-	6-	2-	2-	1-	-4-	3-	5-	1-	-1-	-1-	-	-	-	-	4.74
16-	45.5744-	115.6725-	2-	11-	0-	L17211-	08/05/79-	12-	29-	8.9-	-	-	6.2-	11-	14-	2-	6-	5-	8-	2-	2-	1-	-1-	2-	5-	1-	-1-	-1-	-	-	-	-	4.72
16-	45.5817-	115.6825-	2-	11-	0-	L17212-	08/05/79-	13-	30-	13.6-	-	-	6.2-	11-	10-	2-	7-	5-	8-	2-	2-	1-	-4-	2-	5-	1-	-1-	-1-	-	-	-	-	5.08
16-	45.6294-	115.6294-	2-	12-	0-	L17213-	07/30/79-	11-	26-	9.1-	C-	-	6.5-	8-	-2-	7-	4-	8-	2-	3-	1-	2-	1-	4-	3-	1-	-1-	-1-	-	-	-	-	8.70
16-	45.6183-	115.6208-	2-	12-	0-	L17214-	07/30/79-	12-	26-	10.9-	C-	-	6.8-	12-	-1-	7-	5-	8-	3-	3-	1-	2-	4-	4-	3-	1-	-1-	-1-	-	-	-	-	10.85
16-	45.6117-	115.6150-	2-	12-	0-	L17215-	07/30/79-	12-	26-	8.4-	C-	-	6.8-	7-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-1-	-	-	-	-	7.60
16-	45.6100-	115.6228-	2-	12-	0-	L17216-	07/30/79-	13-	26-	10.4-	C-	-	6.9-	13-	-2-	7-	5-	8-	3-	3-	1-	2-	4-	5-	2-	1-	-1-	-1-	-	-	-	-	11.75
16-	45.5950-	115.6111-	2-	12-	0-	L17217-	07/30/79-	14-	24-	8.5-	C-	-	7.0-	7-	-2-	7-	5-	8-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-1-	-	-	-	-	12.11
16-	45.5850-	115.6172-	2-	12-	0-	L17218-	07/30/79-	14-	25-	11.8-	C-	-	7.0-	13-	-2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-1-	-	-	-	-	15.83
16-	45.5658-	115.6097-	2-	12-	0-	L17219-	07/30/79-	15-	25-	8.9-	C-	-	7.2-	8-	-2-	7-	5-	8-	4-	3-	1-	2-	1-	4-	5-	1-	-1-	-1-	-	-	-	-	16.72
16-	45.5625-	115.6078-	2-	12-	0-	L17220-	07/30/79-	16-	25-	9.2-	C-	-	6.9-	8-	-2-	7-	5-	8-	4-	3-	1-	2-	2-	4-	5-	1-	-1-	-1-	-	-	-	-	21.22
16-	45.5583-	115.6000-	2-	12-	0-	L17221-	07/30/79-	16-	25-	11.4-	C-	-	7.1-	11-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-1-	-	-	-	-	10.15
16-	45.5472-	115.5969-	2-	12-	0-	L17222-	07/30/79-	17-	25-	10.2-	C-	-	6.8-	13-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-1-	-	-	-	-	12.10
16-	45.5369-	115.5833-	2-	12-	0-	L17223-	07/30/79-	18-	25-	11.7-	C-	-	7.1-	7-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-1-	-	-	-	-	9.11
16-	45.5136-	115.5744-	2-	12-	0-	L17224-	07/30/79-	19-	24-	11.4-	C-	-	7.1-	12-	-2-	7-	5-	8-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-1-	-	-	-	-	25.69
16-	45.5139-	115.5453-	2-	12-	0-	L17225-	07/30/79-	19-	24-	14.3-	C-	-	7.1-	10-	-2-	7-	4-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-1-	-	-	-	-	11.72
16-	45.6044-	115.3828-	2-	12-	0-	L17226-	07/01/79-	12-	29-	9.7-	-	-	7.5-	19-	8-	4-	5-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	20.69
16-	45.6056-	115.3833-	2-	12-	0-	L17227-	07/01/79-	12-	29-	9.7-	-	-	7.5-	17-	14-	4-	6-	5-	7-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	18.82
16-	45.6306-	115.4169-	2-	12-	0-	L17228-	07/01/79-	13-	28-	13.5-	-	-	7.5-	15-	4-	4-	6-	4-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	22.90
16-	45.6308-	115.4172-	2-	12-	0-	L17229-	07/01/79-	14-	28-	12.8-	-	-	7.1-	15-	3-	4-	6-	5-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	25.82
16-	45.6433-	115.4094-	2-	11-	0-	L17230-	07/01/79-	14-	29-	10.9-	-	-	7.6-	14-	27-	4-	7-	5-	7-	2-	2-	1-	-1-	3-	3-	1-	-1-	-1-	-	-	-	-	15.13
16-	45.6581-	115.4125-	2-	12-	0-	L17231-	07/01/79-	15-	29-	14.5-	-	-	7.5-	15-	9-	2-	1-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	10.60
16-	45.6586-	115.4125-	2-	12-	0-	L17232-	07/01/79-	15-	29-	13.8-	-	-	7.2-	17-	14-	2-	1-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	14.99
16-	45.6958-	115.4203-	2-	12-	0-	L17233-	07/01/79-	16-	29-	17.3-	-	-	7.6-	29-	7-	4-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	6.96
16-	45.6919-	115.4169-	2-	12-	0-	L17234-	07/01/79-	16-	29-	15.4-	-	-	7.5-	29-	15-	4-	7-	4-	7-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	6.53
16-	45.6872-	115.3939-	2-	11-	0-	L17235-	07/01/79-	16-	29-	12.7-	-	-	7.5-	48-	6-	1-	6-	5-	6-	2-	2-	1-	-1-	3-	3-	1-	-1-	-1-	-	-	-	-	7.45
16-	45.6794-	115.3817-	2-	12-	0-	L17236-	07/01/79-	16-	28-	16.6-	-	-	7.7-	32-	8-	1-	6-	4-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	21.77
16-	45.6853-	115.3753-	2-	11-	0-	L17237-	07/01/79-	17-	28-	10.1-	-	-	7.5-	20-	11-	1-	7-	5-	7-	3-	2-	1-	-4-	3-	3-	1-	-1-	-1-	-	-	-	-	10.25
16-	45.6478-	115.9633-	2-	11-	0-	L17238-	07/30/79-	19-	26-	5.2-	-	-	6.9-	1-	13-	1-	7-	5-	6-	3-	2-	1-	-1-	3-	4-	1-	-1-	-1-	-	-	-	-	8.99
16-	45.5372-	115.4950-	2-	12-	0-	L17239-	07/31/79-	12-	27-	12.9-	-	-	7.4-	16-	12-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	10.72
16-	45.5400-	115.4833-	2-	12-	0-	L17240-	07/31/79-	13-	27-	13.7-	-	-	7.2-	15-	14-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	5.48
16-	45.5397-	115.4758-	2-	12-	0-	L17241-	07/31/79-	13-	28-	13.2-	-	-	7.8-	15-	9-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	6.09
16-	45.5064-	115.4322-	2-	12-	0-	L17242-	07/31/79-	15-	29-	11.6-	C-	-	7.7-	19-	-1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-1-	-	-	-	-	4.82
16-	45.5069-	115.4314-	2-	12-	0-	L17243-	07/31/79-	15-	29-	14.3-	C-	-	7.2-	28-	-1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-1-	-	-	-	-	9.08
16-	45.5244-	115.4267-	2-	12-	0-	L17244-	07/31/79-	16-	28-	13.6-	C-	-	7.7-	28-	-1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-1-	-	-	-	-	10.87
16-	45.5347-	115.4422-	2-	11-	0-	L17245-	07/31/79-	17-	26-	36.5-	C-	-	6.5-	37-	-1-	7-	4-	6-	3-	2-	1-	-4-	3-	3-	1-	-1-	-1-	-1-	-	-	-	-	3.35
16-	45.5556-	115.4611-	2-	12-	0-	L17247-	07/31/79-	17-	26-	15.5-	C-	-	7.4-	19-	-4-	6-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-1-	-	-	-	-	12.71
16-	45.5697-	115.4614-	2-	12-	0-	L17248-	07/31/79-	17-	26-	15.5-	C-	-	7.2-	17-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-1-	-	-	-	-	7.24
16-	45.6000-	115.4483-	2-	11-	0-	L17249-	07/31/79-	18-	26-	17.6-	C-	-	7.5-	11-	-1-	7-	6-	8-	2-	2-	1-	-1-	3-	3-	1-	-1-	-1-	-1-	-	-	-	-	7.36
16-	45.5839-	115.4511-	2-	12-	0-	L17250-	07/31/79-	18-	26-	18.5-	C-	-	7.1-	13-	-1-	7-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-1-	-	-	-	-	6.77
16-	45.5900-	115.4492-	2-	12-	0-	L17251-	07/31/79-	18-	26-	19.3-	C-	-	7.2-	19-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-1-	-	-	-	-	15.42
16-	45.5686-	115.4514-	2-	12-	0-	L17252-	07/31/79-	19-	26-	14.6-	C-	-	7.4-	22-	-1-	7-	5-	7-	3-	3-	1-	-1-	3-	3-	1-	-1-	-1-	-1-	-	-	-	-	8.38
16-	45.6519-	115.4017-	2-	12-	0-	L17253-	07/31/79-	19-	26-	15.4-	C-	-	7.2-	17-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-1-	-	-	-	-	26.02
16-	45.7294-	115.3900-	2-	12-	0-	L17254-	07/31/79-	20-	25-	15.3-	C-	-	7.4-	30-	-1-	7-	5-	7-	3-	3-	1-	2-	1-	3-	3-	1-	-1-	-1-	-	-	-	-	22.28
16-	45.7083-	115.3989-	2-	12-	0-	L17255-	07/01/79-	18-	26-	10.7-	-	-	7.8-	22-	10-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	16.86

APPENDIX 1-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.5331-	115.5031-	2-	12-	0-	L17204	-5	7	-5	16	-20	-15	13	-10	-15	-5	-5	681	3	15
16-	45.5506-	115.4586-	2-	12-	0-	L17205	-5	6	-5	15	-20	26	16	-10	-15	11	-5	380	2	42
16-	45.6142-	115.4372-	2-	11-	0-	L17206	-5	9	-5	31	-20	83	-5	-10	-15	12	-5	478	3	48
16-	45.6197-	115.4514-	2-	12-	0-	L17207	-5	13	-5	14	-20	-15	9	-10	-15	7	-5	484	2	28
16-	45.6247-	115.6669-	2-	12-	0-	L17208	-5	-5	-5	40	-20	18	11	-10	-15	11	-5	198	3	75
16-	45.6136-	115.6872-	2-	11-	0-	L17209	-5	-5	-5	25	-20	25	7	-10	-15	9	-5	204	3	43
16-	45.6044-	115.6739-	2-	11-	0-	L17210	-5	-5	-5	23	-20	22	8	-10	-15	-5	-5	256	3	40
16-	45.5744-	115.6725-	2-	11-	0-	L17211	-5	-5	-5	23	-20	-15	-5	-10	-15	9	-5	239	3	39
16-	45.5817-	115.6825-	2-	11-	0-	L17212	-5	-5	-5	19	-20	-15	11	-10	-15	6	-5	75	1	6
16-	45.6294-	115.6294-	2-	12-	0-	L17213	-5	-5	-5	22	-20	-15	13	-10	-15	-5	-5	250	3	44
16-	45.6183-	115.6208-	2-	12-	0-	L17214	5	6	-5	17	-20	-15	35	-10	-15	-5	-5	196	2	18
16-	45.6117-	115.6150-	2-	12-	0-	L17215	-5	5	-5	17	-20	-15	8	-10	-15	7	-5	201	3	41
16-	45.6100-	115.6228-	2-	12-	0-	L17216	-5	5	-5	10	-20	15	-5	-10	-15	7	-5	170	3	31
16-	45.5950-	115.6111-	2-	12-	0-	L17217	-5	9	-5	19	-20	-15	15	-10	-15	-5	-5	357	4	15
16-	45.5850-	115.6172-	2-	12-	0-	L17218	-5	6	-5	23	-20	-15	45	-10	-15	-5	-5	207	3	49
16-	45.5658-	115.6097-	2-	12-	0-	L17219	-5	-5	-5	14	-20	-15	9	-10	-15	5	-5	142	3	31
16-	45.5625-	115.6078-	2-	12-	0-	L17220	-5	12	-5	16	-20	-15	6	-10	-15	8	-5	200	4	18
16-	45.5583-	115.6000-	2-	12-	0-	L17221	-5	-5	-5	16	-20	18	7	-10	-15	-5	-5	371	3	27
16-	45.5472-	115.5969-	2-	12-	0-	L17222	-5	6	-5	26	-20	-15	78	-10	-15	-5	-5	117	3	19
16-	45.5369-	115.5833-	2-	12-	0-	L17223	-5	-5	-5	-10	-20	-15	11	-10	-15	-5	-5	123	4	41
16-	45.5136-	115.5744-	2-	12-	0-	L17224	-5	9	-5	11	-20	-15	10	-10	-15	-5	-5	570	4	32
16-	45.5139-	115.5453-	2-	12-	0-	L17225	-5	16	-5	13	-20	-15	-5	-10	17	22	-5	646	3	19
16-	45.6044-	115.3828-	2-	12-	0-	L17226	-5	10	-5	-10	-20	19	5	-10	-15	19	-5	632	3	33
16-	45.6056-	115.3833-	2-	12-	0-	L17227	-5	10	-5	11	-20	-15	9	-10	-15	10	-5	431	3	37
16-	45.6306-	115.4169-	2-	12-	0-	L17228	-5	18	-5	14	-20	16	-5	-10	23	13	-5	524	3	30
16-	45.6308-	115.4172-	2-	12-	0-	L17229	-5	18	-5	11	-20	15	-5	-10	18	14	-5	811	3	32
16-	45.6433-	115.4094-	2-	11-	0-	L17230	-5	7	-5	23	-20	-15	9	-10	-15	7	-5	356	3	29
16-	45.6581-	115.4125-	2-	12-	0-	L17231	-5	11	-5	16	-20	15	12	-10	-15	-5	-5	638	3	31
16-	45.6586-	115.4125-	2-	12-	0-	L17232	-5	16	-5	-10	-20	18	-5	-10	-15	11	-5	1321	2	20
16-	45.6958-	115.4203-	2-	12-	0-	L17233	-5	9	-5	40	57	28	-5	-10	-15	10	-5	672	3	15
16-	45.6919-	115.4169-	2-	12-	0-	L17234	-5	11	-5	31	52	27	-5	-10	-15	16	-5	665	3	15
16-	45.6872-	115.3939-	2-	11-	0-	L17235	-5	-5	-5	46	-20	16	10	-10	18	9	-5	390	3	43
16-	45.6794-	115.3817-	2-	12-	0-	L17236	-5	17	-5	20	-20	18	-5	-10	30	15	-5	1129	3	28
16-	45.6853-	115.3753-	2-	11-	0-	L17237	-5	11	-5	37	-20	-15	41	-10	-15	9	-5	655	2	20
16-	45.6478-	115.9633-	2-	11-	0-	L17238	-5	8	-5	21	-20	-15	-5	-10	-15	7	-5	417	2	11
16-	45.5372-	115.4950-	2-	12-	0-	L17239	-5	12	-5	-10	22	30	-5	-10	16	13	-5	901	2	19
16-	45.5400-	115.4833-	2-	12-	0-	L17240	-5	9	-5	-10	-20	-15	9	-10	-15	29	-5	366	3	25
16-	45.5397-	115.4758-	2-	12-	0-	L17241	-5	11	-5	21	-20	20	16	-10	-15	6	-5	290	4	31
16-	45.5064-	115.4322-	2-	12-	0-	L17242	-5	5	-5	22	-20	18	12	-10	-15	8	-5	243	3	24
16-	45.5069-	115.4314-	2-	12-	0-	L17243	-5	22	-5	77	-20	24	914	-10	58	-5	-5	489	3	19
16-	45.5244-	115.4267-	2-	12-	0-	L17244	-5	16	-5	21	-20	-15	-5	-10	-15	12	-5	575	2	21
16-	45.5347-	115.4422-	2-	11-	0-	L17245	-5	7	-5	27	-20	-15	20	-10	-15	-5	-5	256	2	29
16-	45.5556-	115.4611-	2-	12-	0-	L17247	-5	19	-5	11	-20	15	-5	-10	37	28	-5	542	2	23
16-	45.5697-	115.4614-	2-	12-	0-	L17248	-5	16	-5	16	-20	-15	22	-10	31	10	-5	364	2	18
16-	45.6000-	115.4483-	2-	11-	0-	L17249	-5	9	-5	28	-20	-15	15	-10	-15	12	-5	366	3	36
16-	45.5889-	115.4511-	2-	12-	0-	L17250	-5	13	-5	18	-20	-15	34	-10	-15	27	-5	491	3	31
16-	45.5900-	115.4492-	2-	12-	0-	L17251	-5	22	-5	16	-20	-15	9	-10	-15	17	-5	673	5	39
16-	45.5686-	115.4514-	2-	12-	0-	L17252	-5	13	-5	41	-20	15	19	-10	-15	14	-5	572	3	39
16-	45.6519-	115.4017-	2-	12-	0-	L17253	-5	24	-5	17	-20	-15	6	-10	24	12	-5	728	3	27
16-	45.7294-	115.3900-	2-	12-	0-	L17254	5	28	-5	10	-20	19	-5	-10	35	17	-5	3028	2	23
16-	45.7083-	115.3989-	2-	12-	0-	L17255	-5	16	-5	14	-20	43	5	-10	43	14	-5	1587	3	13

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Concentrations reported in weight parts per million (ppm)															
							Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.5331-	115.5031-	2-	12-		0-L17204	80480	-0.03	954	12910	279	-109	5.3	38	-1.6	17	2.3	17600	30.0	30770	125	1.2
16-	45.5506-	115.4586-	2-	12-		0-L17205	98470	-0.03	942	15350	237	241	8.5	56	2.5	12	2.4	27090	13.7	13620	103	0.5
16-	45.6142-	115.4372-	2-	11-		0-L17206	82630	-0.10	730	10760	281	-127	21.5	194	3.7	14	2.2	49490	20.9	18770	118	0.9
16-	45.6197-	115.4514-	2-	12-		0-L17207	77590	-0.09	588	15670	341	-137	6.2	40	-1.7	24	2.1	18280	22.9	18640	148	1.6
16-	45.6247-	115.6669-	2-	12-		0-L17208	72610	-0.09	544	29070	96	319	10.7	45	2.7	9	2.0	30490	7.0	14070	59	0.6
16-	45.6136-	115.6872-	2-	11-		0-L17209	69110	-0.12	372	32710	93	367	13.3	18	4.0	7	1.8	41240	7.5	11920	42	0.5
16-	45.6044-	115.6739-	2-	11-		0-L17210	73350	-0.09	486	21380	101	274	9.2	53	2.6	8	1.8	31590	11.2	15650	48	0.5
16-	45.5744-	115.6725-	2-	11-		0-L17211	71770	-0.07	492	9976	69	338	8.5	59	3.2	6	0.9	23050	9.0	16530	31	0.4
16-	45.5817-	115.6825-	2-	11-		0-L17212	35600	-0.11	257	9857	34	362	-1.9	27	-2.2	5	0.9	14200	3.6	-3718	-7	-0.1
16-	45.6294-	115.6294-	2-	12-		0-L17213	77600	-0.12	712	16440	97	-140	9.2	36	3.5	8	1.6	26610	9.3	16190	42	0.5
16-	45.6183-	115.6208-	2-	12-		0-L17214	56210	0.87	403	18410	111	-96	5.5	28	4.9	7	1.7	18420	7.7	15100	59	0.6
16-	45.6117-	115.6150-	2-	12-		0-L17215	84900	-0.08	916	14170	87	295	6.3	47	3.4	-1	1.3	26460	8.3	19360	43	0.4
16-	45.6100-	115.6228-	2-	12-		0-L17216	67610	-0.08	495	23570	79	238	8.9	79	-1.6	6	1.6	22150	6.1	16240	38	0.3
16-	45.5950-	115.6111-	2-	12-		0-L17217	74840	-0.10	727	13960	389	-137	5.2	27	-1.8	22	3.0	17490	16.7	22440	168	1.5
16-	45.5850-	115.6172-	2-	12-		0-L17218	68370	-0.08	529	17680	99	351	6.1	34	5.9	7	1.4	16150	8.2	16990	51	0.4
16-	45.5558-	115.6097-	2-	12-		0-L17219	83050	-0.07	758	16960	203	255	3.6	-8	-1.4	12	1.8	13540	6.7	17750	93	0.8
16-	45.5625-	115.6078-	2-	12-		0-L17220	68450	-0.11	657	14360	336	261	-2.2	-13	-2.2	17	2.7	14530	6.3	11530	170	0.8
16-	45.5583-	115.6000-	2-	12-		0-L17221	70840	-0.09	773	13090	202	-127	6.2	37	2.8	16	2.4	21100	24.4	18340	83	1.2
16-	45.5472-	115.5969-	2-	12-		0-L17222	53890	0.50	484	11430	81	-103	-1.0	16	5.9	5	1.2	12720	6.2	18020	39	0.4
16-	45.5369-	115.5833-	2-	12-		0-L17223	77490	-0.09	617	15890	282	267	6.7	40	2.6	21	3.1	21160	28.2	21050	128	1.6
16-	45.5136-	115.5744-	2-	12-		0-L17224	80800	-0.09	829	15000	94	463	-1.6	22	-1.8	12	1.8	14890	3.8	20090	51	0.6
16-	45.5139-	115.5453-	2-	12-		0-L17225	75140	-0.11	869	11860	495	184	7.1	49	-2.0	28	3.2	23530	30.0	24580	212	2.1
16-	45.6044-	115.3828-	2-	12-		0-L17226	79460	0.67	559	14980	662	-135	8.2	47	3.2	33	3.0	20920	36.2	14390	275	2.2
16-	45.6056-	115.3833-	2-	12-		0-L17227	92440	-0.08	569	18700	241	170	4.9	61	-1.7	18	1.8	17410	17.0	18960	116	1.0
16-	45.6306-	115.4169-	2-	12-		0-L17228	80430	-0.08	541	16550	703	-149	4.8	50	-1.6	50	2.8	18020	27.5	18320	275	3.8
16-	45.6308-	115.4172-	2-	12-		0-L17229	81930	0.09	584	13420	875	-137	6.6	50	-2.0	50	3.5	19110	36.6	19230	361	3.3
16-	45.6433-	115.4094-	2-	11-		0-L17230	81010	-0.09	544	16650	185	225	7.5	31	-1.8	18	1.9	20230	14.5	21770	72	1.0
16-	45.6581-	115.4125-	2-	12-		0-L17231	85600	-0.09	805	18750	323	225	7.3	44	3.4	19	2.3	23580	28.8	20300	131	1.2
16-	45.6586-	115.4125-	2-	12-		0-L17232	77110	-0.10	712	19590	568	268	10.7	63	-2.0	30	3.9	31980	63.3	18160	237	2.1
16-	45.6958-	115.4203-	2-	12-		0-L17233	71850	-0.12	662	42220	308	316	24.0	53	-2.5	19	4.6	57760	27.3	13560	112	1.3
16-	45.6919-	115.4169-	2-	12-		0-L17234	73890	-0.11	599	42070	298	217	20.1	46	-2.2	17	4.3	58290	27.9	14500	109	0.9
16-	45.6872-	115.3939-	2-	11-		0-L17235	88050	-0.09	961	17780	139	289	13.1	71	5.2	9	2.0	37880	12.6	20410	63	0.6
16-	45.6794-	115.3817-	2-	12-		0-L17236	72670	-0.10	912	14220	974	-122	8.0	56	3.8	39	6.0	25540	53.3	20450	372	2.4
16-	45.6853-	115.3753-	2-	11-		0-L17237	71240	-0.11	1073	9407	294	-89	3.9	49	55.7	19	2.8	15940	28.4	21070	128	1.2
16-	45.6478-	115.9633-	2-	11-		0-L17238	64220	-0.11	446	13950	331	298	6.2	39	-2.1	17	2.3	19870	22.2	14130	134	1.1
16-	45.5372-	115.4950-	2-	12-		0-L17239	78120	-0.08	1041	19730	609	229	8.8	54	-1.6	35	4.9	29490	38.3	21950	278	2.4
16-	45.5400-	115.4833-	2-	12-		0-L17240	85070	-0.09	1160	8860	217	-132	9.9	49	3.4	15	2.5	28340	16.2	29920	99	1.1
16-	45.5397-	115.4758-	2-	12-		0-L17241	90080	-0.11	1109	12130	167	-123	9.3	61	4.1	11	2.3	28020	11.6	22020	72	0.8
16-	45.5064-	115.4322-	2-	12-		0-L17242	79730	-0.09	775	12050	129	-111	8.0	75	3.7	9	2.0	23840	9.6	17440	55	0.7
16-	45.5069-	115.4314-	2-	12-		0-L17243	75110	4.02	873	15130	430	-113	7.6	60	-1.5	22	3.2	22540	18.7	20680	191	1.2
16-	45.5244-	115.4267-	2-	12-		0-L17244	82450	-0.10	730	17170	805	166	10.0	72	-2.0	37	4.8	32840	22.3	17570	331	2.3
16-	45.5347-	115.4422-	2-	11-		0-L17245	96260	-0.11	793	11860	128	293	8.7	37	4.3	9	1.5	28550	9.6	19230	55	0.5
16-	45.5556-	115.4611-	2-	12-		0-L17247	86580	1.27	1069	9370	1094	-121	7.4	55	-1.8	72	5.2	21450	18.5	25640	465	4.6
16-	45.5697-	115.4614-	2-	12-		0-L17248	81650	0.59	1011	16090	412	-121	5.9	32	-1.3	22	2.8	21800	13.8	19010	185	1.3
16-	45.6000-	115.4483-	2-	11-		0-L17249	89910	-0.11	677	11080	225	-165	12.3	45	-2.4	14	2.3	35950	14.4	15140	100	0.6
16-	45.5889-	115.4511-	2-	12-		0-L17250	88310	-0.11	871	16120	308	215	10.7	54	3.3	15	2.4	30380	20.5	12550	130	1.1
16-	45.5900-	115.4492-	2-	12-		0-L17251	79840	-0.10	673	14440	804	-135	9.9	51	-1.8	38	4.5	24900	34.8	14020	353	2.2
16-	45.5686-	115.4514-	2-	12-		0-L17252	100500	-0.09	865	16000	299	263	9.5	62	3.0	16	3.1	33500	24.3	16950	127	0.9
16-	45.6519-	115.4017-	2-	12-		0-L17253	79290	-0.09	639	15200	942	-147	7.6	61	2.4	52	4.2	22590	38.3	16480	382	3.7
16-	45.7294-	115.3900-	2-	12-		0-L17254	84700	1.81	739	17500	1153	-132	10.0	135	-2.6	56	7.3	42070	123.7	12610	487	3.6
16-	45.7083-	115.3989-	2-	12-		0-L17255	76410	-0.12	533	28640	521	278	14.1	143	-2.3	38	4.2	34320	75.0	12100	212	2.9

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LAB SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.5331-115.5031-2-12-	0-L17204	4717	497	19850	90	-2	7.5	26.8	-265	4	2	43.4	7434	52	12.9	75	0.184
16-45.5506-115.4586-2-12-	0-L17205	9936	419	24460	-34	-2	9.8	-0.9	492	-2	1	38.1	4725	77	6.0	121	0.155
16-45.6142-115.4372-2-11-	0-L17206	15580	801	19380	104	-3	16.5	22.7	-285	-2	1	56.0	7358	87	9.1	114	0.161
16-45.6197-115.4514-2-12-	0-L17207	4866	661	28910	-32	-2	6.9	30.7	-331	-2	2	70.1	3591	31	18.6	83	0.202
16-45.6247-115.6669-2-12-	0-L17208	7936	882	21090	-41	-3	9.8	13.7	-353	3	-1	9.6	5074	71	5.4	144	6.754
16-45.6136-115.6872-2-11-	0-L17209	15450	565	19900	-44	-3	15.5	7.5	-322	-1	-1	7.6	10610	132	5.7	133	0.804
16-45.6044-115.6739-2-11-	0-L17210	14510	401	21460	76	-2	11.6	11.1	-251	2	-1	11.6	8310	99	5.4	104	0.409
16-45.5744-115.6725-2-11-	0-L17211	10530	303	27040	121	-2	9.8	5.5	-215	-1	-1	11.0	4444	66	4.8	62	0.429
16-45.5817-115.6825-2-11-	0-L17212	3012	145	9995	-43	-3	5.3	4.0	-247	-3	-1	3.8	2277	26	-2.0	-58	1.337
16-45.6294-115.6294-2-12-	0-L17213	5279	526	18890	-48	-3	9.1	6.2	-354	-2	-1	11.8	6670	71	4.9	-94	0.737
16-45.6183-115.6208-2-12-	0-L17214	5644	456	17320	-27	4	7.0	13.3	-235	-1	-1	15.4	4630	50	4.5	97	0.705
16-45.6117-115.6150-2-12-	0-L17215	5791	952	23830	102	-2	7.8	5.9	-312	-2	-1	12.6	3270	56	3.7	74	0.603
16-45.6100-115.6228-2-12-	0-L17216	9293	479	24740	76	-2	9.4	8.1	-266	-2		7.6	5827	75	3.9	113	1.546
16-45.5950-115.6111-2-12-	0-L17217	3042	546	26320	95	-2	5.3	33.1	-320	-2	2	60.4	3030	36	15.8	-30	0.200
16-45.5850-115.6172-2-12-	0-L17218	3720	323	26770	-32	5	7.0	11.2	-260	-1	-1	14.2	4241	54	4.8	59	1.115
16-45.5658-115.6097-2-12-	0-L17219	-2393	577	28010	-31	-2	5.3	15.9	-289	-2	1	29.7	1644	28	7.6		0.563
16-45.5625-115.6078-2-12-	0-L17220	-3257	980	20300	-52	-3	4.2	29.2	-469	-3	2	47.4	1616	23	8.6	130	0.448
16-45.5583-115.6000-2-12-	0-L17221	5163	604	23050	104	-2	6.8	15.8	-319	-2	1	29.6	3617	41	14.1	-43	0.343
16-45.5472-115.5969-2-12-	0-L17222	-1809	335	19050	-26	9	4.1	9.4	-237	-1	-1	9.9	1852	25	5.2	129	1.222
16-45.5369-115.5833-2-12-	0-L17223	5825	996	25930	87	-2	7.0	21.5	-303	-2	2	43.4	3563	54	17.6	69	0.210
16-45.5136-115.5744-2-12-	0-L17224	5189	705	24410	75	-2	4.8	11.2	765	-1	-1	11.8	1387	18	6.6	-56	2.177
16-45.5139-115.5453-2-12-	0-L17225	4212	835	21850	83	-3	7.7	40.2	-351	3	3	84.4	4520	50	22.2	131	0.139
16-45.6044-115.3828-2-12-	0-L17226	5279	897	27580	-35	-2	8.0	67.5	-337	-2	4	148.4	5037	46	23.5	100	0.139
16-45.6056-115.3833-2-12-	0-L17227	7065	401	25130	94	-2	9.6	19.9	-250	-2	2	52.9	4327	54	10.2	90	0.356
16-45.6306-115.4169-2-12-	0-L17228	3600	702	30300	96	-2	7.0	60.7	-290	-2	5	165.6	3684	26	42.6	108	0.138
16-45.6308-115.4172-2-12-	0-L17229	4115	666	27200	-40	-3	7.6	72.7	-337	-2	6	188.2	3753	47	35.4	86	0.137
16-45.6433-115.4094-2-11-	0-L17230	4174	780	23350	100	-2	7.6	21.2	513	-2	2	34.0	2929	40	11.6	109	0.445
16-45.6581-115.4125-2-12-	0-L17231	5127	515	26220	-33	-2	9.1	23.3	-249	-2	2	59.6	4887	54	11.3	87	0.178
16-45.6586-115.4125-2-12-	0-L17232	7289	662	21490	102	-3	12.8	46.3	-277	-2	3	92.3	5790	86	24.5	107	0.162
16-45.6958-115.4203-2-12-	0-L17233	15050	1192	20420	83	-3	19.1	27.0	-363	7	2	30.1	17250	176	13.3	88	0.231
16-45.6919-115.4169-2-12-	0-L17234	12420	1146	22210	95	-3	17.4	28.8	-345	7	2	29.1	17780	152	9.9	130	0.224
16-45.6872-115.3939-2-11-	0-L17235	9251	595	17590	161	-2	14.6	11.0	-237	-1	1	18.3	5564	91	6.2	-34	0.407
16-45.6794-115.3817-2-12-	0-L17236	4816	530	21000	113	-3	10.5	76.0	-251	4	5	143.5	6434	75	28.1	117	0.152
16-45.6853-115.3753-2-11-	0-L17237	-1655	223	12010	118	-3	8.2	21.6	-219	-2	2	45.2	4402	53	13.7	122	0.227
16-45.6478-115.9633-2-11-	0-L17238	7974	375	16200	-43	-3	9.4	28.5	-286	-2	-1	48.8	6778	65	11.8	86	0.184
16-45.5372-115.4950-2-12-	0-L17239	6915	940	24000	87	-2	9.7	44.3	-269	5	4	85.0	9543	75	25.4	126	0.126
16-45.5400-115.4833-2-12-	0-L17240	4655	1027	19160	120	-2	8.8	18.4	-309	-2	2	30.0	4777	57	10.6	107	0.183
16-45.5397-115.4758-2-12-	0-L17241	6086	641	19090	-38	-3	11.2	13.1	-321	-2	-1	26.0	5389	57	6.9	125	0.234
16-45.5064-115.4322-2-12-	0-L17242	8089	634	16680	-35	-2	9.9	11.3	-299	-2	-1	15.8	3774	63	6.2	87	0.305
16-45.5069-115.4314-2-12-	0-L17243	5455	439	24110	74	-2	8.3	32.2	482	-2	3	69.3	5359	117	14.3	140	0.131
16-45.5244-115.4267-2-12-	0-L17244	6749	635	25490	98	-3	10.1	73.4	582	-2	5	127.2	6897	64	27.0	99	0.085
16-45.5347-115.4422-2-11-	0-L17245	5997	647	24940	-38	-3	8.4	9.4	-353	-2	-1	20.3	3730	53	6.8	-62	0.165
16-45.5556-115.4611-2-12-	0-L17247	5111	627	27550	114	-2	6.7	104.3	324	-2	7	187.2	3640	37	54.4	80	0.068
16-45.5697-115.4614-2-12-	0-L17248	4467	658	28560	69	-2	6.2	30.1	-240	-2	2	69.7	4202	51	15.5	59	0.104
16-45.6000-115.4483-2-11-	0-L17249	5462	657	20390	91	-3	11.7	19.4	-347	-2	2	38.3	4713	74	7.8		0.192
16-45.5889-115.4511-2-12-	0-L17250	7433	1355	24700	-39	-3	9.3	21.5	-433	-2	1	49.3	4261	61	11.1	94	0.137
16-45.5900-115.4492-2-12-	0-L17251	4694	1004	28140	67	-2	7.8	71.9	-343	-2	4	142.7	5221	52	25.3		0.108
16-45.5686-115.4514-2-12-	0-L17252	6748	529	25660	108	-2	14.4	22.4	-244	-2	2	47.7	6153	82	8.6	128	0.176
16-45.6519-115.4017-2-12-	0-L17253	4031	757	26590	79	-2	9.0	82.9	-294	4	6	217.1	3822	39	42.0	83	0.120
16-45.7294-115.3900-2-12-	0-L17254	6132	532	27010	100	-4	12.6	100.6	-321	-3	7	193.9	8050	104	42.3	-67	0.115
16-45.7083-115.3989-2-12-	0-L17255	11320	763	21600	-41	-3	17.5	55.6	-317	-2	3	91.4	11460	129	25.8	115	0.184

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED: DATE	TIME SAMPLED: HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.7092-	115.4000-	2-	12-		0-L17256-	07/01/79-	18-	26-	15.3-	-	-	7.3-	23-	25-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	23.41
16-	45.7436-	115.3892-	2-	12-		0-L17257-	07/01/79-	19-	26-	15.7-	0-	-	7.6-	22-	11-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-3-	-	-	-	-	28.80
16-	45.7497-	115.4103-	2-	12-		0-L17258-	07/02/79-	11-	29-	13.3-	-	-	7.3-	22-	16-	1-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	21.22
16-	45.7394-	115.4681-	2-	11-		0-L17259-	07/02/79-	12-	28-	15.5-	-	-	7.3-	27-	14-	1-	6-	5-	6-	2-	2-	1-	-1-	3-	4-	1-	-1-	-1-	-	-	-	-	5.21
16-	45.8667-	115.2186-	2-	12-		0-L17260-	08/03/79-	16-	29-	14.9-	-	-	7.5-	20-	14-	1-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	5.98
16-	45.8661-	115.2175-	2-	12-		0-L17261-	08/03/79-	16-	29-	14.9-	-	-	7.4-	24-	12-	1-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	7.33
16-	45.8572-	115.2200-	2-	12-		0-L17262-	08/03/79-	17-	29-	14.3-	-	-	7.6-	23-	7-	1-	7-	5-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	6.93
16-	45.5186-	115.0683-	2-	15-		0-L17263-	08/03/79-	10-	27-	-	-	-	-	-	10-	2-	6-	5-	6-	-1-	-2-	1-	3-	5-	1-	-1-	-1-	-	-	-	-	-	3.52
16-	45.5181-	115.0744-	2-	12-		0-L17264-	08/03/79-	11-	28-	9.9-	-	-	8.4-	103-	11-	2-	6-	3-	6-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	6.52
16-	45.5161-	115.0739-	2-	12-		0-L17265-	08/03/79-	11-	28-	9.7-	-	-	8.5-	31-	14-	2-	6-	2-	7-	3-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	11.92
16-	45.5219-	115.0878-	2-	12-		0-L17266-	08/03/79-	12-	29-	12.5-	-	-	8.3-	29-	13-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	6.52
16-	45.5297-	115.1075-	2-	12-		0-L17267-	08/03/79-	12-	29-	11.7-	-	-	8.1-	32-	16-	2-	6-	1-	7-	4-	3-	1-	2-	3-	3-	5-	1-	-1-	-	-	-	-	5.10
16-	45.5317-	115.1106-	2-	12-		0-L17268-	08/03/79-	12-	30-	9.7-	-	-	8.2-	53-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	10.05
16-	45.5400-	115.1372-	2-	11-		0-L17269-	08/03/79-	13-	30-	10.9-	-	-	8.1-	50-	5-	2-	6-	1-	7-	3-	3-	1-	-1-	3-	5-	1-	-1-	-1-	-	-	-	-	13.17
16-	45.5494-	115.1508-	2-	12-		0-L17270-	08/03/79-	13-	30-	14.9-	-	-	8.0-	21-	7-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	17.50
16-	45.5481-	115.1522-	2-	12-		0-L17271-	08/03/79-	13-	30-	12.4-	-	-	7.9-	42-	6-	2-	6-	1-	7-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	7.62
16-	45.5500-	115.1594-	2-	12-		0-L17272-	08/03/79-	13-	30-	13.2-	-	-	8.2-	36-	22-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	11.22
16-	45.5564-	115.1667-	2-	12-		0-L17273-	08/03/79-	14-	30-	13.4-	-	-	8.1-	27-	22-	2-	6-	3-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	9.69
16-	45.5614-	115.1719-	2-	12-		0-L17274-	08/03/79-	14-	30-	11.7-	-	-	8.1-	141-	10-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	13.73
16-	45.5686-	115.1919-	2-	12-		0-L17275-	08/03/79-	14-	30-	16.4-	-	-	8.1-	21-	4-	2-	6-	2-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	10.69
16-	45.5689-	115.2003-	2-	12-		0-L17276-	08/03/79-	15-	31-	15.1-	-	-	8.0-	43-	12-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	12.18
16-	45.5861-	115.1658-	2-	12-		0-L17277-	08/03/79-	17-	27-	13.7-	-	-	8.0-	41-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	16.62
16-	45.5861-	115.1636-	2-	12-		0-L17278-	08/03/79-	17-	27-	17.1-	-	-	7.8-	22-	11-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	15.52
16-	45.5686-	115.2194-	2-	11-		0-L17279-	08/03/79-	9-	22-	13.3-	-	-	8.0-	174-	12-	2-	6-	5-	8-	2-	3-	1-	-1-	-1-	4-	5-	2-	-1-	-	-	-	-	44.43
16-	45.5675-	115.2200-	2-	12-		0-L17280-	08/04/79-	10-	22-	11.9-	-	-	7.9-	31-	16-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	9.36
16-	45.5603-	115.2256-	2-	12-		0-L17281-	08/04/79-	10-	23-	12.4-	-	-	7.9-	53-	25-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	10.25
16-	45.5608-	115.2244-	2-	11-		0-L17282-	08/04/79-	11-	23-	11.5-	-	-	8.0-	56-	19-	2-	6-	4-	6-	3-	3-	1-	-1-	3-	5-	2-	-1-	-1-	-	-	-	-	17.58
16-	45.5603-	115.2228-	2-	12-		0-L17283-	08/04/79-	11-	25-	11.5-	-	-	7.9-	95-	16-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	17.20
16-	45.5567-	115.2289-	2-	12-		0-L17284-	08/04/79-	11-	25-	13.2-	-	-	8.0-	43-	31-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	26.70
16-	45.5444-	115.2461-	2-	12-		0-L17285-	08/04/79-	11-	26-	9.7-	-	-	7.9-	23-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	17.92
16-	45.5383-	115.2597-	2-	12-		0-L17286-	08/04/79-	11-	25-	11.9-	0-	-	7.9-	19-	-2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-1-	-	-	-	-	17.11
16-	45.5014-	115.3233-	2-	12-		0-L17287-	08/04/79-	12-	27-	11.9-	-	-	7.7-	49-	28-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	13.59
16-	45.4944-	115.3253-	2-	12-		0-L17288-	08/04/79-	12-	27-	14.0-	-	-	7.8-	21-	31-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	10.51
16-	45.4839-	115.3303-	2-	12-		0-L17289-	08/04/79-	13-	29-	13.2-	-	-	7.8-	34-	6-	2-	6-	2-	7-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	69.49
16-	45.4831-	115.3439-	2-	12-		0-L17290-	08/04/79-	14-	31-	12.4-	-	-	7.7-	19-	14-	2-	6-	3-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	23.27
16-	45.4753-	115.3486-	2-	12-		0-L17291-	08/04/79-	14-	31-	13.9-	-	-	7.8-	46-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	14.89
16-	45.4728-	115.3833-	2-	12-		0-L17292-	08/04/79-	14-	32-	12.3-	-	-	7.6-	20-	4-	2-	6-	2-	6-	4-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	15.53
16-	45.4172-	115.4614-	2-	12-		0-L17293-	08/04/79-	17-	29-	14.1-	-	-	7.8-	31-	12-	2-	6-	2-	6-	4-	3-	1-	2-	2-	5-	5-	1-	-1-	-	-	-	-	19.78
16-	45.4158-	115.4603-	2-	12-		0-L17294-	08/04/79-	17-	30-	13.9-	-	-	7.7-	26-	8-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	27.35
16-	45.4119-	115.4681-	2-	12-		0-L17295-	08/04/79-	18-	29-	15.4-	-	-	7.6-	27-	12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	8.37
16-	45.3875-	115.5328-	2-	12-		0-L17296-	08/05/79-	13-	29-	19.1-	-	-	7.3-	83-	10-	2-	6-	2-	1-	3-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	9.56
16-	45.3894-	115.5664-	2-	15-		0-L17297-	08/05/79-	14-	30-	-	-	-	-	-	12-	2-	6-	4-	6-	-1-	-2-	3-	2-	5-	1-	-1-	-1-	-	-	-	-	-	5.41
16-	45.3950-	115.5794-	2-	12-		0-L17298-	08/05/79-	14-	30-	21.5-	-	-	7.5-	111-	10-	2-	6-	4-	1-	2-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	5.45
16-	45.3936-	115.5850-	2-	12-		0-L17299-	08/05/79-	14-	30-	15.9-	-	-	7.8-	23-	13-	2-	6-	2-	6-	4-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	8.88
16-	45.3967-	115.5933-	2-	12-		0-L17300-	08/05/79-	14-	31-	19.4-	-	-	7.7-	28-	24-	2-	6-	2-	1-	4-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	11.56
16-	45.3986-	115.6097-	2-	12-		0-L17301-	08/05/79-	15-	31-	17.4-	-	-	7.7-	74-	9-	2-	6-	4-	1-	3-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	8.26
16-	45.4033-	115.6211-	2-	15-		0-L17302-	08/05/79-	15-	30-	-	-	-	-	-	24-	2-	6-	2-	1-	-1-	-2-	3-	2-	5-	1-	-1-	-1-	-	-	-	-	-	5.25
16-	45.4072-	115.6289-	2-	12-		0-L17303-	08/05/79-	15-	30-	15.6-	-	-	7.7-	56-	7-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	17.43
16-	45.4106-	115.6279-	2-	15-		0-L17304-	08/05/79-	15-	30-	-	-	-	-	-	2-	2-	6-	4-	6-	-1-	-2-	3-	2-	5-	1-	-1-	-1-	-	-	-	-	-	5.33
16-	45.4239-	115.6517-	2-	12-		0-L17305-	08/05/79-	15-	31-	15.5-	-	-	7.9-	27-	12-	2-	6-	2-	1-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	20.37
16-	45.4325-	115.6675-	2-	15-		0-L17306-	08/05/79-	16-	30-	-	-	-	-	-	12-	2-	6-	2-	1-	-1-	-2-	3-	3-	5-	1-	-1-	-1-	-	-	-	-	-	2.76

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAB. SAMPLE LOCATION NUMBER	Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.7092-	115.4000-	2-	12-		0-L17256	-5	25	-5	-10	-20	16	-5	-10	21	21	-5	2616	2	11
16-	45.7436-	115.3892-	2-	12-		0-L17257	-5	10	-5	18	-20	-15	8	-10	15	8	-5	1185	2	16
16-	45.7497-	115.4103-	2-	12-		0-L17258	5	17	-5	23	-20	-15	-5	-10	31	15	-5	1806	2	21
16-	45.7394-	115.4681-	2-	11-		0-L17259	-5	-5	-5	43	-20	33	14	-10	-15	-5	-5	617	2	38
16-	45.8667-	115.2185-	2-	12-		0-L17260	-5	7	-5	16	-20	-15	7	-10	-15	7	-5	521	2	16
16-	45.8661-	115.2175-	2-	12-		0-L17261	-5	-5	-5	17	-20	25	7	-10	-15	6	-5	248	3	29
16-	45.8572-	115.2200-	2-	12-		0-L17262	-5	5	-5	20	-20	17	11	-10	-15	5	-5	396	3	27
16-	45.5185-	115.0683-	2-	15-		0-L17263	-5	5	-5	40	-20	33	5	-10	-15	7	-5	306	2	75
16-	45.5181-	115.0744-	2-	12-		0-L17264	-5	5	-5	26	-20	19	24	-10	-15	8	-5	466	2	36
16-	45.5161-	115.0739-	2-	12-		0-L17265	-5	9	-5	30	-20	33	9	-10	-15	10	-5	684	2	47
16-	45.5219-	115.0878-	2-	12-		0-L17266	-5	6	-5	26	-20	16	17	-10	-15	8	-5	676	3	24
16-	45.5297-	115.1075-	2-	12-		0-L17267	-5	-5	-5	25	-20	49	10	-10	16	-5	-5	361	2	38
16-	45.5317-	115.1106-	2-	12-		0-L17268	-5	5	-5	34	-20	63	11	-10	-15	-5	-5	276	2	52
16-	45.5400-	115.1372-	2-	11-		0-L17269	5	13	-5	43	-20	18	17	-10	15	24	-5	1504	2	25
16-	45.5494-	115.1508-	2-	12-		0-L17270	5	16	-5	33	-20	32	20	-10	22	18	-5	2182	1	21
16-	45.5481-	115.1522-	2-	12-		0-L17271	-5	13	-5	30	-20	-15	19	-10	-15	14	-5	1288	2	22
16-	45.5500-	115.1594-	2-	12-		0-L17272	-5	23	-5	29	21	25	15	-10	19	24	-5	1978	2	17
16-	45.5564-	115.1667-	2-	12-		0-L17273	-5	-5	-5	52	-20	27	18	-10	-15	10	-5	790	2	26
16-	45.5614-	115.1719-	2-	12-		0-L17274	5	13	-5	36	-20	31	15	-10	21	17	-5	2095	2	23
16-	45.5686-	115.1919-	2-	12-		0-L17275	-5	12	-5	23	31	20	12	10	30	5	-5	1250	3	42
16-	45.5689-	115.2003-	2-	12-		0-L17276	-5	8	-5	34	-20	32	8	-10	-15	22	-5	1219	2	30
16-	45.5861-	115.1658-	2-	12-		0-L17277	-5	5	-5	22	-20	21	5	-10	-15	-5	-5	589	3	50
16-	45.5861-	115.1636-	2-	12-		0-L17278	-5	14	-5	18	22	-15	-5	-10	-15	10	-5	1675	4	35
16-	45.5686-	115.2194-	2-	11-		0-L17279	-5	-5	-5	32	-20	25	7	-10	-15	7	-5	373	2	80
16-	45.5675-	115.2200-	2-	12-		0-L17280	-5	-5	-5	25	-20	24	11	-10	-15	12	-5	481	3	61
16-	45.5603-	115.2256-	2-	12-		0-L17281	-5	-5	-5	25	-20	16	14	-10	-15	-5	-5	396	3	68
16-	45.5608-	115.2244-	2-	11-		0-L17282	7	13	-5	20	26	33	23	-10	22	15	-5	2605	2	15
16-	45.5603-	115.2228-	2-	12-		0-L17283	5	7	-5	30	-20	33	11	-10	-15	15	-5	1692	6	79
16-	45.5567-	115.2289-	2-	12-		0-L17284	-5	5	-5	21	-20	-15	13	-10	-15	7	-5	562	3	41
16-	45.5444-	115.2461-	2-	12-		0-L17285	-5	11	-5	29	-20	17	21	-10	23	12	-5	1180	3	39
16-	45.5383-	115.2597-	2-	12-		0-L17286	-5	7	-5	24	-20	27	10	-10	-15	-5	-5	242	2	76
16-	45.5014-	115.3233-	2-	12-		0-L17287	10	18	-5	26	20	19	7	10	22	26	-5	2375	2	20
16-	45.4944-	115.3253-	2-	12-		0-L17288	-5	9	-5	27	-20	29	17	-10	17	10	-5	717	2	37
16-	45.4839-	115.3303-	2-	12-		0-L17289	-5	7	-5	30	-20	20	17	-10	-15	6	-5	470	2	51
16-	45.4831-	115.3439-	2-	12-		0-L17290	-5	13	-5	-10	-20	23	9	-10	23	5	-5	633	3	78
16-	45.4753-	115.3486-	2-	12-		0-L17291	-5	8	-5	-10	-20	18	7	-10	-15	-5	-5	613	3	74
16-	45.4728-	115.3833-	2-	12-		0-L17292	-5	5	-5	18	-20	16	9	-10	-15	-5	-5	513	3	62
16-	45.4172-	115.4614-	2-	12-		0-L17293	-5	6	-5	21	-20	-15	16	-10	15	-5	-5	349	3	41
16-	45.4158-	115.4603-	2-	12-		0-L17294	-5	6	-5	14	-20	-15	11	-10	-15	-5	-5	423	3	61
16-	45.4119-	115.4581-	2-	12-		0-L17295	-5	6	-5	15	-20	-15	11	-10	-15	54	-5	197	4	38
16-	45.3875-	115.5328-	2-	12-		0-L17296	-5	8	-5	29	-20	27	13	-10	-15	14	-5	677	-1	-1
16-	45.3894-	115.5664-	2-	15-		0-L17297	-5	7	-5	27	-20	-15	18	-10	-15	19	-5	519	2	29
16-	45.3950-	115.5794-	2-	12-		0-L17298	-5	5	-5	32	-20	-15	19	-10	-15	10	-5	394	3	31
16-	45.3936-	115.5850-	2-	12-		0-L17299	-5	6	-5	-10	-20	-15	11	-10	-15	10	-5	132	4	39
16-	45.3967-	115.5933-	2-	12-		0-L17300	-5	18	-5	12	-20	-15	6	-10	26	29	-5	391	3	22
16-	45.3986-	115.6097-	2-	12-		0-L17301	-5	11	-5	35	-20	-15	22	-10	-15	13	-5	773	2	29
16-	45.4033-	115.6211-	2-	15-		0-L17302	-5	-5	-5	26	-20	-15	21	-10	-15	12	-5	435	2	29
16-	45.4072-	115.6289-	2-	12-		0-L17303	6	23	-5	18	21	-15	18	-10	59	26	-5	2652	2	23
16-	45.4106-	115.6275-	2-	15-		0-L17304	-5	11	-5	33	-20	-15	19	-10	-15	17	-5	466	3	26
16-	45.4239-	115.6517-	2-	12-		0-L17305	11	22	-5	23	41	22	13	-10	62	29	-5	2924	1	29
16-	45.4325-	115.6675-	2-	15-		0-L17306	-5	-5	-5	27	-20	-15	9	-10	-15	5	-5	105	1	12

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Concentrations reported in weight parts per million (ppm)															
							Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.7092-	115.4000-	2-	12-		0-L17256	74220	-0.09	617	19530	954	-112	7.9	58	-1.5	58	6.3	29140	118.2	14060	398	3.9
16-	45.7436-	115.3892-	2-	12-		0-L17257	67650	0.18	959	12180	1133	-112	10.0	71	-2.0	73	9.0	41270	61.8	23200	423	6.4
16-	45.7497-	115.4103-	2-	12-		0-L17258	81510	-0.14	640	16510	718	236	12.6	49	-2.5	48	4.5	36910	86.8	16210	286	3.9
16-	45.7394-	115.4681-	2-	11-		0-L17259	93230	-0.13	974	13000	147	299	18.6	49	4.9	13	1.8	42180	22.4	20000	59	0.7
16-	45.8667-	115.2186-	2-	12-		0-L17260	56470	-0.07	1049	12620	128	-95	5.1	57	3.5	9	2.1	26950	22.8	18390	60	0.8
16-	45.8661-	115.2175-	2-	12-		0-L17261	65280	-0.07	1191	10090	66	-124	7.2	51	4.0	7	1.3	20790	10.3	22880	31	0.5
16-	45.8572-	115.2200-	2-	12-		0-L17262	67300	-0.08	1295	11660	89	-112	4.9	49	4.1	6	1.7	24250	15.9	22660	41	0.6
16-	45.5186-	115.0683-	2-	15-		0-L17263	82420	-0.11	764	21470	101	-123	20.1	113	6.7	6	1.5	48000	10.8	20950	45	0.4
16-	45.5181-	115.0744-	2-	12-		0-L17264	64980	-0.07	909	18390	121	-95	18.3	95	4.4	5	1.4	28290	17.8	23440	60	0.5
16-	45.5161-	115.0739-	2-	12-		0-L17265	72220	-0.11	675	29250	205	-132	18.0	171	6.0	10	2.3	39560	25.8	17640	97	0.6
16-	45.5219-	115.0878-	2-	12-		0-L17266	58060	0.39	775	19250	181	-95	21.8	110	3.0	9	1.6	32440	30.6	19330	83	0.7
16-	45.5297-	115.1075-	2-	12-		0-L17267	75130	-0.09	701	25160	160	-119	14.3	130	3.7	7	1.5	31290	12.8	11690	73	0.3
16-	45.5317-	115.1106-	2-	12-		0-L17268	83220	-0.08	606	31160	100	-125	17.3	115	4.2	6	1.8	39190	10.8	16090	49	0.4
16-	45.5400-	115.1372-	2-	11-		0-L17269	55830	0.43	851	18840	267	-112	27.5	138	4.0	14	2.6	47280	64.6	19370	130	1.1
16-	45.5494-	115.1508-	2-	12-		0-L17270	52120	0.63	716	17760	399	-98	26.5	202	4.1	14	2.8	57580	112.4	20510	182	1.9
16-	45.5491-	115.1522-	2-	12-		0-L17271	56860	-0.08	849	17420	199	-94	22.0	107	4.0	9	1.7	34180	46.2	22370	93	0.7
16-	45.5500-	115.1594-	2-	12-		0-L17272	52330	0.51	807	19060	298	163	29.6	165	2.6	11	2.4	47460	80.5	18840	139	1.3
16-	45.5564-	115.1667-	2-	12-		0-L17273	57330	-0.10	833	21100	263	-129	50.5	125	4.3	12	2.1	43540	33.7	19260	120	0.9
16-	45.5614-	115.1719-	2-	12-		0-L17274	59320	-0.11	773	19220	304	-105	24.8	142	3.9	12	2.3	49000	75.9	15870	142	1.4
16-	45.5686-	115.1919-	2-	12-		0-L17275	63970	-0.10	549	21430	455	-114	16.9	106	4.1	11	1.7	47620	43.5	19170	222	0.9
16-	45.5689-	115.2003-	2-	12-		0-L17276	59650	-0.09	693	22780	245	-103	28.5	135	4.4	10	1.6	44220	45.9	20330	111	1.0
16-	45.5861-	115.1658-	2-	12-		0-L17277	72420	-0.10	619	32650	138	-139	18.7	141	5.0	7	1.8	44910	21.6	13680	77	0.4
16-	45.5861-	115.1636-	2-	12-		0-L17278	68030	-0.10	577	24370	523	-125	10.5	80	2.2	12	1.6	39270	74.1	16610	253	1.1
16-	45.5686-	115.2194-	2-	11-		0-L17279	68400	-0.13	635	23730	113	-136	21.3	128	-2.6	6	1.1	44850	11.0	18440	51	0.2
16-	45.5675-	115.2200-	2-	12-		0-L17280	70820	-0.10	780	26320	104	-141	15.3	127	5.6	6	1.3	40150	15.2	27030	57	0.3
16-	45.5603-	115.2256-	2-	12-		0-L17281	79970	-0.09	672	19410	127	-134	15.5	129	5.8	8	1.5	42730	15.1	29840	66	0.4
16-	45.5608-	115.2244-	2-	11-		0-L17282	51250	-0.11	625	19820	406	-98	28.3	180	2.3	18	3.0	58270	128.0	21170	194	1.9
16-	45.5603-	115.2228-	2-	12-		0-L17283	55660	-0.09	816	21820	291	-102	24.3	150	2.9	12	2.4	49110	68.5	17350	146	1.3
16-	45.5567-	115.2289-	2-	12-		0-L17284	69430	-0.07	761	26550	137	-112	15.3	94	3.1	5	1.3	28290	22.0	18840	67	0.4
16-	45.5444-	115.2461-	2-	12-		0-L17285	64700	0.32	925	16240	179	-120	22.5	103	4.7	10	1.7	34320	39.4	21660	89	0.8
16-	45.5383-	115.2597-	2-	12-		0-L17286	57040	-0.12	551	26680	97	-140	14.3	151	4.3	4	1.2	30100	8.3	15000	50	0.3
16-	45.5014-	115.3233-	2-	12-		0-L17287	50590	-0.10	583	20160	398	-96	26.0	172	3.5	14	2.6	58410	78.1	18090	196	1.4
16-	45.4944-	115.3253-	2-	12-		0-L17288	53060	0.16	1058	19950	137	184	22.6	101	3.4	6	1.5	32650	24.7	16860	73	0.6
16-	45.4839-	115.3303-	2-	12-		0-L17289	55380	-0.11	749	19930	120	-153	14.4	83	5.7	7	1.6	31150	16.7	19400	84	0.5
16-	45.4831-	115.3439-	2-	12-		0-L17290	77310	-0.11	596	30260	171	-133	12.4	104	4.0	7	1.6	32770	26.6	16340	89	0.4
16-	45.4753-	115.3486-	2-	12-		0-L17291	74590	-0.11	633	28190	140	-134	11.3	135	6.5	6	1.9	30560	27.3	19940	65	0.6
16-	45.4728-	115.3833-	2-	12-		0-L17292	58190	-0.09	801	23160	149	201	14.8	94	3.7	6	1.5	31340	19.8	22560	68	0.5
16-	45.4172-	115.4614-	2-	12-		0-L17293	59440	-0.08	604	19090	120	-152	7.2	72	2.1	9	1.6	22280	11.9	19940	64	0.6
16-	45.4158-	115.4603-	2-	12-		0-L17294	59290	-0.12	610	25070	145	-144	9.8	83	4.0	7	1.4	27110	17.4	15400	67	0.5
16-	45.4119-	115.4681-	2-	12-		0-L17295	72990	-0.06	917	11270	116	-106	4.7	41	3.2	6	1.3	15530	7.1	27610	53	0.4
16-	45.3875-	115.5328-	2-	12-		0-L17296	58260	-0.07	834	17290	188	-99	24.1	92	3.0	9	1.6	29730	25.5	23960	88	0.7
16-	45.3894-	115.5664-	2-	15-		0-L17297	59110	-0.07	830	15010	134	-100	18.7	85	3.6	7	1.6	25630	21.1	20430	60	0.6
16-	45.3950-	115.5794-	2-	12-		0-L17298	61990	-0.09	859	16330	115	-96	23.2	74	4.5	6	1.4	23500	14.9	22890	55	0.4
16-	45.3936-	115.5850-	2-	12-		0-L17299	82930	-0.06	624	13500	135	-157	2.4	-7	-1.2	11	1.5	12760	5.9	24490	67	0.7
16-	45.3967-	115.5933-	2-	12-		0-L17300	79940	-0.08	1037	16040	869	-121	-1.7	30	-1.4	25	2.7	10080	17.5	21190	426	1.4
16-	45.3986-	115.6097-	2-	12-		0-L17301	60390	-0.08	810	17350	233	-93	22.9	98	4.6	10	1.8	30220	32.7	20810	110	0.9
16-	45.4033-	115.6211-	2-	15-		0-L17302	65560	-0.06	1093	15350	112	-92	22.7	71	4.3	6	1.3	24430	16.0	23900	53	0.5
16-	45.4072-	115.6289-	2-	12-		0-L17303	57840	-0.10	735	16190	585	-123	23.1	147	-1.8	23	3.3	55630	104.5	17790	278	2.0
16-	45.4106-	115.6275-	2-	15-		0-L17304	62410	-0.08	925	14550	146	-91	22.7	86	4.6	7	1.6	26730	18.6	21570	67	0.5
16-	45.4239-	115.6517-	2-	12-		0-L17305	51470	-0.10	595	17370	787	-102	27.3	189	-1.9	23	3.4	76120	115.9	12360	382	2.3
16-	45.4325-	115.6675-	2-	15-		0-L17306	41880	-0.09	859	21150	56	-121	4.7	-8	-1.4	4	1.0	14820	4.0	14850	24	0.3

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.7092-115.4000-2-12-	0-L17256	6179	524	25540	-35	-2	10.0	73.6	-224	-2	6	171.8	7606	74	43.3	92	0.136
16-45.7436-115.3892-2-12-	0-L17257	5448	581	15990	106	-3	9.3	105.3	-252	-2	8	150.1	5070	62	66.8	57	0.180
16-45.7497-115.4103-2-12-	0-L17258	10260	733	21500	85	-3	14.5	64.8	-340	-2	5	112.6	5474	72	36.0	-60	0.188
16-45.7394-115.4681-2-11-	0-L17259	7947	839	17980	162	-3	14.8	14.1	-377	-2	-1	19.7	7451	112	7.7	-51	0.264
16-45.8667-115.2186-2-12-	0-L17260	4876	599	13830	86	-2	7.5	10.6	-215	-1	-1	18.1	3591	54	7.9	53	0.330
16-45.8661-115.2175-2-12-	0-L17261	4394	557	18450	95	-2	7.0	7.3	-256	-1	-1	9.2	2450	39	5.1	-13	0.797
16-45.8572-115.2200-2-12-	0-L17262	4525	573	19010	62	-2	7.6	8.0	-287	-1	-1	11.2	2932	48	6.8	-66	0.619
16-45.5186-115.0683-2-15-	0-L17263	16520	1057	18100	133	-3	18.1	8.0	-359	-1	-1	12.8	6625	125	6.5	-50	0.275
16-45.5181-115.0744-2-12-	0-L17264	7459	543	17990	92	-2	10.1	7.9	-201	-1	-1	20.4	4193	69	5.1	97	0.320
16-45.5161-115.0739-2-12-	0-L17265	14890	888	17560	-46	-3	16.4	15.9	-307	-2	-1	28.1	5920	104	8.9	172	0.424
16-45.5219-115.0878-2-12-	0-L17266	7623	629	16990	93	-2	10.6	9.9	-252	3	1	27.8	4490	74	7.5	111	0.235
16-45.5297-115.1075-2-12-	0-L17267	12310	807	22990	-34	-2	13.2	12.3	683	-1	-1	21.2	3667	84	4.9	97	0.241
16-45.5317-115.1106-2-12-	0-L17268	14140	891	23020	-35	-2	15.8	9.5	-273	-1	-1	12.5	5411	100	3.7	100	0.804
16-45.5400-115.1372-2-11-	0-L17269	7433	861	15340	94	-2	11.9	17.7	-269	3	1	46.4	8209	111	11.2	138	0.284
16-45.5494-115.1508-2-12-	0-L17270	9671	960	15160	98	-3	13.1	27.1	-285	5	1	72.5	9852	128	17.5	108	0.241
16-45.5481-115.1522-2-12-	0-L17271	7763	670	16240	95	-2	10.0	12.3	-245	-1	1	32.1	6440	84	7.7		0.237
16-45.5500-115.1594-2-12-	0-L17272	8191	901	15350	97	-2	12.2	16.3	-216	4	1	47.5	8544	106	13.8	134	0.236
16-45.5564-115.1667-2-12-	0-L17273	9827	905	15010	131	-3	12.7	16.0	-308	3	1	36.5	7143	85	9.4	150	0.265
16-45.5614-115.1719-2-12-	0-L17274	9296	918	16640	96	-3	12.1	15.4	-305	3	1	48.1	10100	115	13.3		0.285
16-45.5686-115.1919-2-12-	0-L17275	11950	979	21730	72	-2	14.4	32.0	-306	4	-1	49.0	7949	78	8.7	171	0.218
16-45.5689-115.2003-2-12-	0-L17276	9774	858	17770	87	-2	12.8	12.4	-234	3	1	37.6	8011	103	9.3	146	0.324
16-45.5861-115.1658-2-12-	0-L17277	15940	884	22790	90	-3	17.7	11.2	-298	-2	-1	18.4	6954	90	5.3		0.903
16-45.5861-115.1636-2-12-	0-L17278	9684	862	24980	-42	-3	12.9	27.9	-323	-2	2	67.8	7231	57	10.7	109	0.229
16-45.5686-115.2194-2-11-	0-L17279	15970	1088	15240	127	-3	14.4	10.7	709	-2	-1	14.5	5897	97	3.0	118	3.064
16-45.5675-115.2200-2-12-	0-L17280	15790	1447	17830	133	-3	13.8	6.6	-367	-2	-1	17.1	6032	102	-1.8	-138	0.547
16-45.5603-115.2256-2-12-	0-L17281	15220	749	21310	133	-2	14.1	10.0	-284	-2	-1	24.3	5466	82	4.1	151	0.422
16-45.5608-115.2244-2-11-	0-L17282	10080	1095	14330	-40	-3	12.8	23.2	-304	5	-1	67.4	12340	140	17.5	114	0.261
16-45.5603-115.2228-2-12-	0-L17283	12090	935	16700	-38	-2	12.8	22.6	-287	4	-1	48.1	9790	101	11.7	-45	0.358
16-45.5567-115.2289-2-12-	0-L17284	8291	570	23570	66	-2	9.7	3.1	-225	-1	-1	21.5	4970	70	4.9	93	1.242
16-45.5444-115.2461-2-12-	0-L17285	8378	539	17090	93	-2	10.5	14.6	-255	3	-1	30.6	5442	87	7.6	73	0.586
16-45.5383-115.2597-2-12-	0-L17286	14540	772	20230	-46	-3	12.2	9.6	-376	-2	-1	11.3	4471	75	-2.7	-110	1.514
16-45.5014-115.3233-2-12-	0-L17287	8125	1110	14720	-36	-2	13.3	26.7	-291	4	1	59.6	12630	132	15.1	111	0.228
16-45.4944-115.3253-2-12-	0-L17288	9922	765	17790	95	-2	10.8	7.8	-243	-1	-1	20.1	4787	77	5.3	98	0.523
16-45.4839-115.3303-2-12-	0-L17289	7873	581	17290	90	-3	10.4	13.4	535	3	-1	16.1	4179	71	4.0	217	4.316
16-45.4831-115.3439-2-12-	0-L17290	15460	675	26040	-40	-3	14.0	11.9	-333	-2	-1	33.2	5217	66	6.0	-49	0.701
16-45.4753-115.3486-2-12-	0-L17291	13810	708	25420	106	-3	15.0	13.7	-323	-2	-1	29.8	4820	76	5.1	-47	0.500
16-45.4728-115.3833-2-12-	0-L17292	11460	751	21850	-32	-2	12.3	10.8	-243	3	-1	27.8	4749	69	5.8	85	0.559
16-45.4172-115.4614-2-12-	0-L17293	6874	827	25940	68	-2	9.6	12.2	-313	4	-1	18.1	3508	50	6.0	203	1.093
16-45.4158-115.4603-2-12-	0-L17294	11790	690	24460	104	-3	11.1	10.5	621	-2	-1	17.8	4780	59	3.7	-94	1.565
16-45.4119-115.4681-2-12-	0-L17295	6120	395	28440	118	-2	5.3	11.1	499	2	-1	14.0	2616	36	4.4	81	0.598
16-45.3875-115.5328-2-12-	0-L17296	9827	703	17010	-30	-2	9.6	9.6	408	-1	-1	27.6	5274	70	6.3	64	0.346
16-45.3894-115.5664-2-15-	0-L17297	5963	457	17740	90	3	8.7	8.7	332	-1	-1	19.9	3538	59	5.1	119	0.272
16-45.3950-115.5794-2-12-	0-L17298	6654	435	17280	91	-2	8.5	7.3	-236	-1	-1	17.7	3714	56	5.2	90	0.308
16-45.3936-115.5850-2-12-	0-L17299	-2479	465	33140	95	-2	3.7	12.1	-283	2	1	21.4	1496	22	7.4	77	0.415
16-45.3967-115.5933-2-12-	0-L17300	-2172	440	31070	63	-2	2.7	56.0	656	-2	3	135.5	1607	18	16.9	66	0.085
16-45.3986-115.6097-2-12-	0-L17301	7601	588	17780	99	-2	8.9	17.5	295	-1	1	33.1	5110	66	8.1	104	0.250
16-45.4033-115.6211-2-15-	0-L17302	6376	467	18100	91	3	8.2	7.6	485	-1		17.4	3132	62	4.0	84	0.302
16-45.4072-115.6289-2-12-	0-L17303	6202	1030	17890	88	4	10.9	36.3	-288	4	2	94.6	11160	126	18.2	122	0.184
16-45.4106-115.6275-2-15-	0-L17304	5692	490	17590	96	-2	9.8	8.8	-228	3	-1	22.4	3749	56	5.4	79	0.238
16-45.4239-115.6517-2-12-	0-L17305	9070	1348	14540	70	-3	13.8	58.9	-318	8	3	130.7	14150	157	25.6	112	0.156
16-45.4325-115.6675-2-15-	0-L17306	8223	988	11500	-31	-2	5.1	4.1	-323	-2	-1	8.6	3046	32	-1.4	-72	0.321

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.4353-	115.6644-	2-	12-	0-	L17307-	08/05/79-	16-	30-	20.6-	-	-	7.6-	23-	6-	2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	6.77
16-	45.4400-	115.6858-	2-	15-	0-	L17308-	08/05/79-	16-	30-	-	-	-	-	-	14-	2-	6-	4-	1-	-1-	-2-	1-	2-	5-	1-	-1-	-	-	-	-	-	-	-	9.63
16-	45.4456-	115.6964-	2-	15-	0-	L17309-	08/05/79-	17-	30-	-	-	-	-	-	11-	2-	6-	4-	1-	-1-	-2-	1-	2-	5-	1-	-1-	-	-	-	-	-	-	-	8.72
16-	45.4461-	115.7153-	2-	12-	0-	L17310-	08/05/79-	17-	29-	14.2-	-	-	7.7-	63-	13-	2-	6-	4-	1-	2-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	9.82
16-	45.4450-	115.7275-	2-	12-	0-	L17311-	08/05/79-	19-	25-	17.3-	-	-	7.7-	31-	14-	2-	6-	2-	1-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	5.66
16-	45.4436-	115.7381-	2-	12-	0-	L17312-	08/05/79-	18-	24-	14.2-	-	-	7.8-	64-	14-	2-	6-	2-	1-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	28.43
16-	45.4472-	115.7608-	2-	12-	0-	L17313-	08/05/79-	19-	24-	14.8-	-	-	7.9-	35-	12-	2-	6-	2-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	19.01
16-	45.4539-	115.7644-	2-	15-	0-	L17314-	08/06/79-	9-	24-	-	-	-	-	-	35-	2-	6-	4-	6-	-1-	-2-	1-	2-	5-	1-	-1-	-	-	-	-	-	-	-	17.82
16-	45.4650-	115.7783-	2-	12-	0-	L17315-	08/06/79-	10-	25-	13.6-	-	-	7.8-	30-	20-	2-	6-	4-	1-	3-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	11.73
16-	45.4653-	115.7817-	2-	12-	0-	L17316-	08/06/79-	10-	25-	12.6-	-	-	7.7-	22-	17-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	-	7.49
16-	45.4617-	115.7864-	2-	15-	0-	L17317-	08/06/79-	10-	26-	-	-	-	-	-	20-	2-	6-	4-	6-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	-	14.59
16-	45.4689-	115.8064-	2-	15-	0-	L17318-	08/06/79-	11-	27-	-	-	-	-	-	25-	2-	6-	4-	1-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	-	5.87
16-	45.4703-	115.8100-	2-	12-	0-	L17319-	08/06/79-	11-	28-	14.3-	-	-	8.0-	23-	7-	2-	6-	2-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	4.58
16-	45.4661-	115.8122-	2-	12-	0-	L17320-	08/06/79-	11-	28-	14.2-	-	-	7.9-	55-	11-	2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	6.13
16-	45.4656-	115.8314-	2-	12-	0-	L17321-	08/06/79-	11-	29-	13.9-	-	-	7.9-	97-	10-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	12.83
16-	45.4658-	115.8444-	2-	12-	0-	L17322-	08/06/79-	11-	30-	16.2-	-	-	7.9-	92-	14-	2-	6-	1-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	16.89
16-	45.4531-	115.8511-	2-	15-	0-	L17323-	08/06/79-	12-	30-	-	-	-	-	-	12-	2-	6-	1-	7-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	-	11.67
16-	45.4586-	115.8583-	2-	12-	0-	L17324-	08/06/79-	12-	30-	11.7-	-	-	7.9-	65-	18-	2-	6-	1-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	6.54
16-	45.4578-	115.8789-	2-	12-	0-	L17325-	08/06/79-	13-	31-	12.0-	-	-	8.0-	99-	25-	2-	6-	2-	1-	4-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	7.19
16-	45.4611-	115.8789-	2-	15-	0-	L17326-	08/06/79-	14-	31-	-	-	-	-	-	8-	2-	6-	2-	1-	-1-	-2-	1-	2-	5-	1-	-1-	-	-	-	-	-	-	-	8.46
16-	45.4606-	115.8881-	2-	12-	0-	L17327-	08/06/79-	14-	30-	20.1-	-	-	7.9-	195-	12-	2-	6-	4-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	7.45
16-	45.4628-	115.9436-	2-	12-	0-	L17328-	08/06/79-	15-	31-	16.3-	-	-	8.2-	33-	8-	2-	6-	2-	6-	4-	3-	1-	2-	1-	2-	5-	1-	-1-	-	-	-	-	-	13.25
16-	45.4619-	115.9472-	2-	12-	0-	L17329-	08/06/79-	15-	31-	17.6-	-	-	8.0-	75-	6-	2-	6-	4-	1-	2-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	14.18
16-	45.4611-	115.9497-	2-	12-	0-	L17330-	08/06/79-	15-	30-	14.8-	-	-	8.0-	64-	7-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	5.94
16-	45.4556-	115.9414-	2-	12-	0-	L17331-	08/06/79-	15-	30-	14.8-	-	-	7.9-	34-	7-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	14.80
16-	45.4617-	114.3736-	2-	12-	0-	L17332-	08/17/79-	11-	26-	9.0-	-	-	7.9-	31-	32-	2-	1-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	109.50
16-	45.4725-	115.3953-	2-	12-	0-	L17333-	08/07/79-	15-	32-	17.2-	C-	-	8.0-	82-	-2-	6-	2-	6-	3-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	6.74
16-	45.4594-	115.4264-	2-	12-	0-	L17334-	08/07/79-	16-	32-	12.7-	C-	-	8.0-	38-	-2-	6-	2-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	7.07
16-	45.4547-	115.4319-	2-	15-	0-	L17335-	08/07/79-	16-	31-	-	C-	-	-	-	-2-	6-	4-	6-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	-	-	29.22
16-	45.4425-	115.4442-	2-	12-	0-	L17336-	08/07/79-	17-	31-	14.7-	C-	-	7.9-	51-	-2-	6-	4-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	43.61
16-	45.4342-	115.4581-	2-	15-	0-	L17337-	08/07/79-	18-	30-	-	C-	-	-	-	-2-	6-	5-	8-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	-	-	11.31
16-	45.8564-	115.2183-	2-	12-	0-	L17338-	08/03/79-	17-	28-	13.1-	-	-	7.5-	33-	7-	1-	7-	5-	7-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	9.57
16-	45.8822-	115.2158-	2-	12-	0-	L17339-	08/03/79-	18-	27-	13.7-	-	-	7.6-	34-	10-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	7.59
16-	45.8814-	115.2175-	2-	12-	0-	L17340-	08/03/79-	18-	27-	15.5-	-	-	7.5-	23-	7-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	10.09
16-	45.8778-	115.2542-	2-	11-	0-	L17341-	08/03/79-	20-	26-	10.6-	-	-	7.8-	16-	11-	1-	6-	5-	8-	2-	-1-	-1-	3-	4-	1-	-1-	-	-	-	-	-	-	-	5.26
16-	45.8844-	115.2375-	2-	15-	0-	L17342-	08/04/79-	8-	26-	-	-	-	-	-	8-	1-	7-	4-	6-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	-	5.81
16-	45.8825-	115.2328-	2-	12-	0-	L17343-	08/03/79-	19-	27-	14.5-	-	-	7.6-	16-	7-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	6.04
16-	45.9003-	115.2414-	2-	12-	0-	L17344-	08/04/79-	8-	26-	11.4-	-	-	7.7-	36-	12-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	4.37
16-	45.8958-	115.2436-	2-	12-	0-	L17345-	08/04/79-	9-	26-	11.5-	-	-	7.5-	15-	12-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	4.82
16-	45.9408-	115.2517-	2-	12-	0-	L17346-	08/04/79-	11-	27-	9.9-	-	-	7.6-	41-	6-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	17.37
16-	45.9403-	115.2628-	2-	12-	0-	L17347-	08/04/79-	13-	29-	12.1-	-	-	7.5-	14-	5-	1-	6-	5-	7-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	12.04
16-	45.9386-	115.2619-	2-	12-	0-	L17348-	07/04/79-	13-	29-	12.9-	-	-	7.6-	18-	9-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	-	8.18
16-	45.9556-	115.2844-	2-	12-	0-	L17349-	07/04/79-	14-	30-	15.2-	-	-	7.8-	39-	8-	1-	6-	5-	8-	2-	2-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	8.18
16-	45.9911-	115.2847-	2-	12-	0-	L17350-	08/04/79-	17-	28-	14.2-	-	-	7.8-	16-	9-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	9.78
16-	45.7364-	115.2314-	2-	11-	0-	L17351-	08/05/79-	11-	26-	8.7-	-	-	5.6-	12-	12-	1-	7-	4-	6-	3-	-1-	-3-	4-	4-	1-	-1-	-	-	-	-	-	-	-	15.03
16-	45.6983-	115.2161-	2-	12-	0-	L17352-	08/05/79-	12-	28-	12.1-	-	-	6.5-	15-	13-	1-	6-	4-	6-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	10.84
16-	45.7050-	115.2222-	2-	11-	0-	L17353-	08/05/79-	13-	27-	11.5-	-	-	6.3-	8-	13-	1-	6-	5-	6-	2-	-1-	-4-	3-	4-	1-	-1-	-	-	-	-	-	-	-	4.47
16-	45.7689-	115.0714-	2-	11-	0-	L17354-	07/05/79-	14-	29-	5.3-	-	-	6.4-	10-	4-	1-	7-	5-	6-	2-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	-	2.73
16-	45.7961-	115.0311-	2-	11-	0-	L17355-	08/05/79-	14-	29-	-	C-	-	-	-	2-	1-	7-	5-	6-	2-	2-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	-	2.55
16-	45.8825-	115.0417-	2-	11-	0-	L17356-	08/05/79-	15-	25-	13.8-	-	-	7.1-	8-	8-	1-	7-	5-	6-	2-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	-	4.62
16-	45.8736-	115.0378-	2-	11-	0-	L17357-	08/05/79-	16-	28-	5.6-	-	-	6.5-	6-	8-	1-	6-	5-	8-	2-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	-	10.70

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.4353-	115.6544-	2-	12-		0-L17307	-5	11	-5	32	-20	-15	21	-10	21	14	-5	771	3	24
16-	45.4400-	115.6858-	2-	15-		0-L17308	-5	10	-5	30	-20	21	9	-10	-15	31	-5	821	3	26
16-	45.4456-	115.6964-	2-	15-		0-L17309	-5	14	-5	30	-20	17	8	-10	-15	24	-5	957	3	19
16-	45.4461-	115.7153-	2-	12-		0-L17310	-5	12	-5	11	-20	-15	8	-10	23	22	-5	226	3	51
16-	45.4450-	115.7275-	2-	12-		0-L17311	-5	6	-5	14	-20	-15	5	-10	-15	-5	-5	291	3	22
16-	45.4436-	115.7381-	2-	12-		0-L17312	-5	24	-5	24	22	-15	-5	-10	46	23	-5	2127	3	34
16-	45.4472-	115.7608-	2-	12-		0-L17313	7	27	-5	22	-20	20	9	-10	31	26	-5	2572	2	33
16-	45.4539-	115.7644-	2-	15-		0-L17314	-5	6	-5	35	-20	25	7	-10	19	7	-5	286	4	49
16-	45.4650-	115.7783-	2-	12-		0-L17315	-5	8	-5	27	-20	22	-5	-10	-15	7	-5	250	3	53
16-	45.4653-	115.7817-	2-	12-		0-L17316	-5	5	-5	42	-20	-15	-5	-10	-15	11	-5	221	4	44
16-	45.4617-	115.7854-	2-	15-		0-L17317	-5	23	-5	27	-20	23	9	-10	44	28	-5	1177	2	41
16-	45.4689-	115.8064-	2-	15-		0-L17318	-5	6	-5	24	-20	15	12	-10	-15	14	-5	576	3	39
16-	45.4703-	115.8100-	2-	12-		0-L17319	-5	8	-5	27	-20	25	12	-10	-15	16	-5	432	3	27
16-	45.4661-	115.8122-	2-	12-		0-L17320	-5	7	-5	21	-20	-15	19	-10	-15	15	-5	526	3	28
16-	45.4656-	115.8314-	2-	12-		0-L17321	-5	5	-5	22	-20	-15	-5	-10	-15	9	-5	472	3	24
16-	45.4658-	115.8444-	2-	12-		0-L17322	-5	13	-5	26	-20	23	9	-10	-15	15	-5	828	2	29
16-	45.4631-	115.8511-	2-	15-		0-L17323	-5	20	-5	51	26	23	10	-10	29	34	-5	1657	2	21
16-	45.4586-	115.8583-	2-	12-		0-L17324	11	-5	-5	40	-20	21	134	-10	188	46	-5	285	3	27
16-	45.4578-	115.8789-	2-	12-		0-L17325	-5	5	-5	31	-20	16	15	-10	-15	12	-5	633	3	30
16-	45.4611-	115.8789-	2-	15-		0-L17326	5	11	-5	28	-20	-15	14	-10	-15	24	-5	1519	2	20
16-	45.4606-	115.8881-	2-	12-		0-L17327	-5	9	-5	27	-20	32	14	-10	15	9	-5	980	3	30
16-	45.4628-	115.9436-	2-	12-		0-L17328	-5	18	-5	14	-20	-15	5	-10	-15	12	-5	845	3	19
16-	45.4619-	115.9472-	2-	12-		0-L17329	-5	10	-5	10	-20	15	10	-10	19	6	-5	483	3	25
16-	45.4611-	115.9497-	2-	12-		0-L17330	-5	9	-5	-10	-20	-15	22	-10	16	97	-5	778	3	32
16-	45.4556-	115.9414-	2-	12-		0-L17331	-5	16	-5	13	-20	-15	7	-10	21	14	-5	1262	2	14
16-	45.4617-	114.3736-	2-	12-		0-L17332	5	12	-5	35	-20	22	43	-10	28	8	-5	657	5	87
16-	45.4725-	115.3953-	2-	12-		0-L17333	-5	9	-5	32	-20	27	230	-10	-15	-5	-5	324	3	28
16-	45.4594-	115.4264-	2-	12-		0-L17334	-5	-5	-5	18	-20	18	19	-10	16	-5	-5	250	2	18
16-	45.4547-	115.4319-	2-	15-		0-L17335	-5	5	-5	17	-20	19	8	-10	-15	9	-5	259	4	46
16-	45.4425-	115.4442-	2-	12-		0-L17336	-5	5	-5	22	-20	21	13	-10	-15	6	-5	261	4	52
16-	45.4342-	115.4581-	2-	15-		0-L17337	-5	-5	-5	26	-20	-15	11	-10	-15	-5	-5	122	2	46
16-	45.8564-	115.2183-	2-	12-		0-L17338	-5	-5	-5	13	-20	19	13	-10	-15	-5	-5	360	3	39
16-	45.8822-	115.2158-	2-	12-		0-L17339	-5	10	-5	13	-20	27	12	-10	-15	10	-5	304	2	23
16-	45.8814-	115.2175-	2-	12-		0-L17340	-5	-5	-5	25	-20	27	12	-10	-15	-5	-5	302	3	25
16-	45.8778-	115.2542-	2-	11-		0-L17341	-5	7	-5	-10	-20	15	-5	-10	-15	5	-5	545	2	39
16-	45.8844-	115.2375-	2-	15-		0-L17342	-5	10	-5	17	-20	17	8	-10	-15	7	-5	336	3	41
16-	45.8825-	115.2328-	2-	12-		0-L17343	-5	7	-5	-10	-20	-15	-5	-10	-15	6	-5	417	2	36
16-	45.9003-	115.2414-	2-	12-		0-L17344	-5	8	-5	16	-20	-15	9	-10	-15	-5	-5	412	3	30
16-	45.8958-	115.2436-	2-	12-		0-L17345	-5	-5	-5	-10	-20	-15	9	-10	-15	-5	-5	384	2	34
16-	45.9408-	115.2517-	2-	12-		0-L17346	-5	-5	-5	19	-20	19	17	-10	-15	8	-5	384	3	50
16-	45.9403-	115.2628-	2-	12-		0-L17347	-5	10	-5	19	-20	-15	-5	-10	19	10	-5	382	3	28
16-	45.9386-	115.2619-	2-	12-		0-L17348	-5	7	-5	21	-20	20	-5	-10	-15	6	-5	343	3	40
16-	45.9556-	115.2844-	2-	12-		0-L17349	-5	5	-5	15	-20	28	-5	-10	-15	10	-5	595	2	27
16-	45.9911-	115.2847-	2-	12-		0-L17350	-5	12	-5	23	-20	29	-5	-10	-15	12	-5	607	3	24
16-	45.7364-	115.2314-	2-	11-		0-L17351	-5	6	-5	13	-20	-15	17	-10	-15	6	-5	606	3	46
16-	45.6983-	115.2161-	2-	12-		0-L17352	-5	9	-5	-10	-20	24	9	-10	-15	9	-5	1210	3	57
16-	45.7050-	115.2222-	2-	11-		0-L17353	-5	7	-5	14	-20	25	10	-10	-15	10	-5	342	3	46
16-	45.7689-	115.0714-	2-	11-		0-L17354	-5	-5	-5	91	-20	45	9	-10	-15	-5	-5	418	2	75
16-	45.7961-	115.0311-	2-	11-		0-L17355	-5	-5	-5	20	-20	23	18	-10	-15	-5	-5	113	16	26
16-	45.8825-	115.0417-	2-	11-		0-L17356	-5	5	-5	24	-20	-15	27	-10	-15	-5	-5	201	16	37
16-	45.8736-	115.0378-	2-	11-		0-L17357	-5	-5	-5	22	-20	-15	14	-10	17	-5	-5	426	4	40

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAS SAMPLE LOCATION NUMBER	Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.4353-	115.6544-	2-	12-	0-	L17307	58000	-0.07	845	16460	204	-103	24.6	98	4.1	9	1.8	31230	30.0	21740	95	0.7
16-	45.4400-	115.6858-	2-	15-	0-	L17308	53000	-0.09	947	17410	342	-98	20.1	107	3.9	11	1.8	34780	44.9	22130	160	1.1
16-	45.4456-	115.6964-	2-	15-	0-	L17309	53470	-0.08	722	17760	309	-91	17.9	109	3.6	14	1.9	33440	49.0	19280	144	1.2
16-	45.4461-	115.7153-	2-	12-	0-	L17310	91290	-0.07	1053	15290	328	-134	3.6	15	2.1	18	2.1	18600	8.1	24290	150	1.1
16-	45.4450-	115.7275-	2-	12-	0-	L17311	59120	-0.07	482	17720	106	232	9.4	50	2.1	8	1.3	21720	11.7	14890	47	0.5
16-	45.4436-	115.7381-	2-	12-	0-	L17312	62090	1.52	610	28580	777	-109	11.6	95	5.2	28	3.1	42740	81.6	18240	378	1.8
16-	45.4472-	115.7608-	2-	12-	0-	L17313	62720	1.19	729	15610	514	-96	23.3	120	6.7	18	3.0	38630	97.1	19390	243	1.6
16-	45.4539-	115.7644-	2-	15-	0-	L17314	75300	-0.08	706	14960	165	-115	11.3	50	7.7	10	1.8	31540	10.6	21410	82	0.8
16-	45.4650-	115.7783-	2-	12-	0-	L17315	70400	-0.08	770	15850	145	-133	9.5	42	5.3	11	1.9	28880	8.7	25820	70	0.7
16-	45.4653-	115.7817-	2-	12-	0-	L17316	69190	-0.10	952	19210	150	-129	11.4	42	4.8	9	1.6	30140	9.1	14570	60	0.6
16-	45.4617-	115.7864-	2-	15-	0-	L17317	66620	-0.09	657	15570	432	338	15.8	107	4.7	19	2.4	36830	43.6	20210	203	1.5
16-	45.4689-	115.8064-	2-	15-	0-	L17318	69480	-0.07	966	17020	185	145	10.7	66	5.2	8	1.5	27100	22.7	24780	89	0.7
16-	45.4703-	115.8100-	2-	12-	0-	L17319	59440	-0.07	935	14770	131	-102	21.1	73	3.6	7	1.4	23640	13.7	21080	67	0.4
16-	45.4661-	115.8122-	2-	12-	0-	L17320	64640	-0.08	833	14720	129	-95	14.1	72	3.8	7	1.5	24020	19.2	27340	67	0.6
16-	45.4656-	115.8314-	2-	12-	0-	L17321	64330	-0.10	870	19520	306	184	7.3	43	6.1	17	2.5	26200	21.3	20150	134	1.2
16-	45.4658-	115.8444-	2-	12-	0-	L17322	66770	0.39	748	18000	287	-122	21.5	74	-2.0	14	2.1	36370	39.3	22850	143	1.1
16-	45.4631-	115.8511-	2-	15-	0-	L17323	49030	-0.09	599	23330	501	-110	21.6	179	4.4	18	2.5	52090	58.7	15430	233	1.6
16-	45.4586-	115.8583-	2-	12-	0-	L17324	57620	0.83	621	17610	116	227	17.0	70	10.3	6	1.3	29780	10.3	20600	54	0.5
16-	45.4578-	115.8789-	2-	12-	0-	L17325	66250	-0.09	848	23250	194	-103	15.7	90	3.9	8	1.7	31190	27.7	20780	84	0.7
16-	45.4611-	115.8789-	2-	15-	0-	L17326	55030	-0.07	823	19510	255	121	19.9	112	-1.3	11	2.0	33310	43.1	20810	119	0.9
16-	45.4606-	115.8881-	2-	12-	0-	L17327	69490	-0.08	866	22580	206	-130	14.6	79	3.8	10	1.6	28600	27.7	18740	96	0.6
16-	45.4628-	115.9436-	2-	12-	0-	L17328	73380	-0.08	1062	24950	604	-114	3.4	23	-1.5	17	1.8	16350	36.8	21730	295	0.9
16-	45.4619-	115.9472-	2-	12-	0-	L17329	87660	-0.09	785	39240	298	-135	6.4	21	-1.7	11	1.6	21580	18.0	13490	151	0.6
16-	45.4611-	115.9497-	2-	12-	0-	L17330	97840	-0.08	872	41560	228	-136	4.4	20	-7.7	10	1.9	20190	25.9	15520	111	0.6
16-	45.4556-	115.9414-	2-	12-	0-	L17331	60320	1.00	861	21340	860	-139	5.9	-13	-1.8	21	2.6	18930	61.8	16270	401	1.1
16-	45.4617-	114.3736-	2-	12-	0-	L17332	87020	-0.15	681	15960	217	-140	10.7	44	14.8	31	3.1	42540	25.2	25440	165	1.6
16-	45.4725-	115.3953-	2-	12-	0-	L17333	64270	0.87	659	12920	200	-116	8.2	75	-1.9	13	2.2	27130	15.3	18100	81	0.9
16-	45.4594-	115.4264-	2-	12-	0-	L17334	48480	-0.08	576	16830	60	-126	6.9	45	2.7	5	1.0	16520	7.6	14030	33	0.4
16-	45.4547-	115.4319-	2-	15-	0-	L17335	66530	-0.09	556	15640	110	-134	7.3	50	3.1	11	1.9	22880	10.3	18930	54	0.7
16-	45.4425-	115.4442-	2-	12-	0-	L17336	75060	-0.10	540	13280	98	-135	6.9	95	-1.8	8	1.4	21610	8.9	21100	64	0.8
16-	45.4342-	115.4581-	2-	15-	0-	L17337	59310	-0.09	954	23000	48	-140	7.3	77	4.2	4	1.1	22510	4.7	18150	22	0.3
16-	45.8564-	115.2183-	2-	12-	0-	L17338	62170	-0.07	1653	12360	54	-98	4.8	48	7.0	5	1.1	21810	12.5	26500	30	0.5
16-	45.8822-	115.2159-	2-	12-	0-	L17339	61390	-0.05	876	10510	71	-107	5.6	60	6.3	8	1.9	26440	10.8	28210	35	0.5
16-	45.8814-	115.2175-	2-	12-	0-	L17340	57910	-0.12	1107	11140	100	-121	6.8	64	4.5	9	1.7	28880	11.1	16380	41	0.7
16-	45.8778-	115.2542-	2-	11-	0-	L17341	54420	-0.05	631	6296	129	-100	6.2	41	4.6	11	2.3	17300	24.8	25040	62	0.8
16-	45.8844-	115.2375-	2-	15-	0-	L17342	76040	-0.07	1011	15560	91	-114	8.2	50	6.1	8	1.6	26730	12.2	26440	39	0.6
16-	45.8825-	115.2328-	2-	12-	0-	L17343	59410	-0.08	770	14140	133	158	7.4	50	5.4	10	2.2	21020	16.6	17670	61	0.8
16-	45.9003-	115.2414-	2-	12-	0-	L17344	63650	-0.07	1014	10130	86	-94	5.8	46	5.1	7	1.4	24190	16.2	28960	38	0.5
16-	45.8958-	115.2436-	2-	12-	0-	L17345	55850	-0.07	767	8121	110	-83	5.4	40	3.8	8	2.0	15610	21.1	20000	52	0.6
16-	45.9408-	115.2517-	2-	12-	0-	L17346	66450	-0.07	1185	12930	98	-93	7.2	58	5.6	9	2.3	26990	13.5	23480	49	0.5
16-	45.9403-	115.2628-	2-	12-	0-	L17347	67620	-0.05	687	15150	405	-125	6.2	52	2.9	28	4.4	25840	14.7	13550	174	1.9
16-	45.9386-	115.2619-	2-	12-	0-	L17348	67500	-0.11	651	13940	179	-109	11.1	56	4.3	13	2.1	30910	13.8	19580	72	1.0
16-	45.9556-	115.2844-	2-	12-	0-	L17349	68090	-0.10	494	9037	254	-109	9.3	57	-2.1	20	3.2	40130	32.1	16550	101	1.4
16-	45.9911-	115.2847-	2-	12-	0-	L17350	69120	-0.09	765	12940	415	173	9.6	69	-1.8	27	5.0	32290	20.7	18460	174	1.8
16-	45.7364-	115.2314-	2-	11-	0-	L17351	71980	-0.09	818	21790	210	-147	5.2	46	3.6	14	1.9	25600	22.0	16180	88	0.9
16-	45.6983-	115.2161-	2-	12-	0-	L17352	70350	-0.11	649	19870	228	-130	8.4	71	-2.2	14	2.0	29420	52.5	20840	98	1.2
16-	45.7050-	115.2222-	2-	11-	0-	L17353	74220	-0.09	870	16610	184	-123	5.6	47	3.6	12	3.0	26700	11.3	15040	83	0.6
16-	45.7689-	115.0714-	2-	11-	0-	L17354	56250	-0.11	-170	42320	90	546	26.2	129	-2.5	8	1.4	57630	13.8	8424	44	0.4
16-	45.7961-	115.0311-	2-	11-	0-	L17355	42130	-0.10	391	12150	38	284	7.7	83	6.0	6	1.1	15340	3.3	16040	-7	0.3
16-	45.8825-	115.0417-	2-	11-	0-	L17356	65430	-0.11	615	10370	81	331	7.6	26	4.9	6	0.9	29260	7.1	15660	39	0.3
16-	45.8736-	115.0378-	2-	11-	0-	L17357	58690	-0.11	770	18780	74	317	6.6	-12	3.9	5	1.8	26630	16.0	13390	32	0.3

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.4353-115.6544-2-12-	0-L17307	6302	584	17400	100	-2	9.6	13.8	-217	2	-1	31.3	4374	65	7.9	-43	0.216
16-45.4400-115.6858-2-15-	0-L17308	6534	655	19600	94	7	9.5	21.2	-251	3	1	53.2	5816	75	11.8	-42	0.181
16-45.4456-115.6964-2-15-	0-L17309	7265	769	16900	78	4	10.9	19.9	-245	3	1	44.3	6651	75	11.7	-33	0.197
16-45.4461-115.7153-2-12-	0-L17310	-2212	580	28270	107	-2	4.4	22.6	-262	-1	2	48.0	2130	20	11.5	81	0.205
16-45.4450-115.7275-2-12-	0-L17311	6535	474	20290	77	-2	8.4	9.5	-221	2	-1	14.9	4349	54	4.9		0.380
16-45.4436-115.7381-2-12-	0-L17312	17590	838	14280	-48	4	10.7	53.6	-327	6	3	135.9	10180	90	19.3	102	0.209
16-45.4472-115.7608-2-12-	0-L17313	6992	663	16740	-36	5	10.0	42.6	-256	-2	2	90.0	7537	84	17.0		0.211
16-45.4539-115.7644-2-15-	0-L17314	7268	825	20820	146	-2	10.7	10.9	-253	2	1	21.9	4613	72	9.0	58	0.814
16-45.4650-115.7783-2-12-	0-L17315	7434	632	23350	128	-2	10.2	14.7	-269	2	-1	20.2	4784	59	7.2	79	0.581
16-45.4653-115.7817-2-12-	0-L17316	6658	976	20810	123	-3	9.8	9.8	-369	-2	-1	18.1	3993	57	7.1	-93	0.414
16-45.4617-115.7864-2-15-	0-L17317	6172	915	18730	108	7	9.3	27.9	-284	-2	2	67.3	7060	76	14.0	117	0.217
16-45.4689-115.8064-2-15-	0-L17318	7447	533	21870	105	22	8.1	11.4	644	-1	-1	28.9	4308	54	5.6	73	0.203
16-45.4703-115.8100-2-12-	0-L17319	6482	449	15430	77	-2	8.0	9.4	-206	-1	-1	17.9	3519	52	5.6	64	0.256
16-45.4661-115.8122-2-12-	0-L17320	5999	411	18070	102	-2	8.1	8.0	-232	-1	-1	22.2	3375	49	5.6	62	0.276
16-45.4656-115.8314-2-12-	0-L17321	16450	606	13390	95	-2	7.9	28.3	-278	-2	1	45.2	5872	57	11.5	82	0.284
16-45.4658-115.8444-2-12-	0-L17322	10120	759	14550	102	-3	9.5	17.4	-295	3	-1	47.9	5957	84	10.3	136	0.353
16-45.4631-115.8511-2-15-	0-L17323	8552	1137	14590	101	4	15.3	27.8	-261	5	2	68.2	9140	111	15.7	101	0.171
16-45.4586-115.8583-2-12-	0-L17324	11110	515	12100	93	45	9.1	6.8	-255	-1	-1	15.8	3684	77	5.7	66	0.414
16-45.4578-115.8789-2-12-	0-L17325	10530	601	17780	90	-2	10.0	12.5	-263	-1	-1	26.6	4394	69	6.2	91	0.270
16-45.4611-115.8789-2-15-	0-L17326	8256	722	17250	68	-2	10.8	14.1	-202	3	1	36.4	5714	86	9.4	97	0.232
16-45.4606-115.8881-2-12-	0-L17327	9456	599	20030	98	-2	7.8	13.3	-268	3	-1	30.3	4306	71	6.8	-107	0.246
16-45.4628-115.9435-2-12-	0-L17328	7221	488	23640	-33	-2	4.7	38.0	421	-2	2	96.7	2754	40	10.6	53	0.137
16-45.4619-115.9472-2-12-	0-L17329	6800	564	30590	-33	-2	7.8	23.5	1161	-1	-1	45.8	3190	57	6.7	82	0.310
16-45.4611-115.9497-2-12-	0-L17330	3080	464	34520	-27	31	5.9	14.6	636	-1	1	24.5	3410	51	6.4	89	0.242
16-45.4556-115.9414-2-12-	0-L17331	6005	569	18420	-43	-3	5.6	50.5	380	-3	2	125.2	3367	55	12.5	135	0.118
16-45.4617-114.3736-2-12-	0-L17332	5805	707	21060	276	-4	16.7	31.9	-367	4	3	32.7	5007	83	17.2	114	3.349
16-45.4725-115.3953-2-12-	0-L17333	6614	531	18360	-37	-3	8.5	16.9	-290	-2	-1	28.7	4825	72	5.6	116	0.235
16-45.4594-115.4264-2-12-	0-L17334	4857	717	14440	84	-2	6.2	5.9	-296	2	-1	9.5	3045	39	5.5	57	0.744
16-45.4547-115.4319-2-15-	0-L17335	7315	651	21300	105	-2	9.1	14.3	-277	-2	1	15.3	3956	41	7.2	97	1.910
16-45.4425-115.4442-2-12-	0-L17336	6784	606	27630	140	-3	8.9	10.7	-330	3	-1	13.9	2923	42	5.9	71	3.137
16-45.4342-115.4581-2-15-	0-L17337	6183	1633	16090	-35	-2	8.0	5.2	-456	-1	-1	7.4	2466	44	4.3	193	1.528
16-45.8564-115.2183-2-12-	0-L17339	3529	823	12980	83	-2	6.9	6.3	-240	-1	-1	8.4	2301	47	4.4	51	1.139
16-45.8822-115.2158-2-12-	0-L17339	5194	451	13360	133	-2	8.7	9.4	-231	-1	-1	10.6	2451	52	4.3	66	0.716
16-45.8814-115.2175-2-12-	0-L17340	5282	429	12130	-46	-3	8.0	8.8	-356	-2	-1	11.3	3257	68	5.7	-47	0.893
16-45.8778-115.2542-2-11-	0-L17341	6016	253	18470	-32	-2	6.4	13.7	-227	-1	-1	15.2	3438	47	9.2	120	0.346
16-45.8844-115.2375-2-15-	0-L17342	6780	1190	18280	127	-2	9.4	7.4	-275	-1	1	10.9	2713	53	5.6	87	0.533
16-45.8825-115.2328-2-12-	0-L17343	8288	421	14140	92	-2	8.4	11.8	-221	-1	1	17.0	2624	43	7.2	-39	0.355
16-45.9003-115.2414-2-12-	0-L17344	3654	414	18910	142	-2	6.9	7.4	-219	-1	-1	9.4	2791	42	5.3	-34	0.465
16-45.8958-115.2436-2-12-	0-L17345	6266	207	16710	89	-2	6.5	10.5	-185	-1	-1	14.5	2251	37	6.2	-31	0.332
16-45.9408-115.2517-2-12-	0-L17346	6834	514	13080	114	-2	9.1	10.2	-214	-1	1	12.5	2750	54	6.6	44	1.390
16-45.9403-115.2628-2-12-	0-L17347	4946	466	22170	72	-2	8.1	34.7	-242	-2	3	58.9	3367	48	21.0	83	0.204
16-45.9386-115.2619-2-12-	0-L17348	8540	709	13170	-40	-3	10.8	14.6	-321	-2	-1	22.9	3870	63	10.4	148	0.357
16-45.9556-115.2844-2-12-	0-L17349	6102	515	17410	-42	-3	11.8	25.6	-278	-2	2	36.4	5976	80	14.9	68	0.225
16-45.9911-115.2847-2-12-	0-L17350	6385	598	18200	122	-2	10.2	34.0	-245	-2	3	59.3	4760	72	20.4	-16	0.165
16-45.7364-115.2314-2-11-	0-L17351	4785	822	18970	105	-2	8.1	17.6	-330	-2	1	31.6	3678	51	9.4	141	0.476
16-45.6983-115.2161-2-12-	0-L17352	7752	976	19190	62	-3	12.2	15.2	-362	-2	1	33.5	5687	66	13.6	113	0.324
16-45.7050-115.2222-2-11-	0-L17353	6609	810	21560	80	-2	10.1	18.2	-318	-2	2	18.7	4660	72	7.2	104	0.239
16-45.7689-115.0714-2-11-	0-L17354	23020	1089	15750	-47	-3	28.7	6.2	-300	-1	-1	8.6	6746	188	5.7	143	0.317
16-45.7961-115.0311-2-11-	0-L17355	5864	481	12810	-47	-3	6.5	4.3	-322	-2	1	4.4	2144	31	3.9	-65	0.580
16-45.8325-115.0417-2-11-	0-L17356	-2987	1914	15820	-46	-3	7.4	7.3	-559	-2	-1	10.8	4530	64	-2.5	-36	0.428
16-45.8736-115.0378-2-11-	0-L17357	5193	652	22020	-45	-3	10.1	4.3	-361	-2	-1	9.3	4454	32	3.8	-55	1.151

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples ①

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																												U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED: DATE	TIME SAMPLED: HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16	45.7269	115.1233	2	11	0	L17358	08/05/79	17	26	7.9	-	-	6.5	11	11	1	7	5	6	2	3	1		1	3	5	1		1	-	-	-	-	13.38
16	45.4931	115.6114	2	12	0	L17359	08/06/79	14	30	13.7	-	-	6.5	32	7	1	7	5	8	2	2	1	2	1	3	4	1		1	-	-	-	-	10.87
16	45.4933	115.6156	2	12	0	L17360	08/06/79	14	30	14.1	-	-	6.3	31	10	1	7	5	8	2	2	1	2	1	3	4	1		1	-	-	-	-	13.95
16	45.4897	115.6136	2	11	0	L17361	08/06/79	14	29	9.4	-	-	7.0	131	11	1	7	4	6	2	2	1		1	3	4	1		1	-	-	-	-	29.43
16	45.4817	115.6075	2	12	0	L17362	08/06/79	15	29	15.5	-	-	6.8	38	9	1	7	4	6	2	2	1	2	1	3	5	1		1	-	-	-	-	13.44
16	45.5681	115.6978	2	11	0	L17363	08/05/79	14	31	10.5	-	-	6.3	27	5	2	7	5	6	2	2	1		4	2	5	1		1	-	-	-	-	4.28
16	45.5594	115.6872	2	12	0	L17364	08/05/79	14	32	14.8	-	-	6.7	36	8	2	6	5	6	3	3	1	2	4	3	5	1		1	-	-	-	-	4.99
16	45.5522	115.6931	2	11	0	L17365	08/05/79	15	28	4.3	-	-	7.0	11	12	2	6	5	8	2	2	1		1	2	5	1		1	-	-	-	-	4.91
16	45.6178	115.6711	2	11	0	L17366	08/05/79	16	28	9.4	-	-	7.2	13	8	2	7	5	8	2	2	1		1	3	5	1		1	-	-	-	-	11.08
16	45.7908	114.7622	2	12	0	L17367	08/09/79	8	20	12.1	-	-	8.1	41	25	2	1	4	6	3	3	1	2	2	3	4	1		1	-	-	-	-	10.11
16	45.7814	114.7347	2	12	0	L17368	08/09/79	10	27	13.0	-	-	8.1	69	23	2	6	4	6	2	2	1	2	2	3	5	1		1	-	-	-	-	16.24
16	45.7767	114.7222	2	12	0	L17369	08/09/79	10	28	10.6	-	-	8.4	22	45	2	6	4	6	2	2	1	2	2	4	5	1		1	-	-	-	-	17.08
16	45.7792	114.7119	2	12	0	L17370	08/09/79	11	30	10.3	-	-	8.4	55	18	2	6	4	6	2	2	1	2	1	4	5	1		1	-	-	-	-	16.36
16	45.7781	114.6972	2	12	0	L17371	08/09/79	11	31	12.4	-	-	8.3	46	26	2	6	4	6	2	2	1	2	2	4	5	1		1	-	-	-	-	16.63
16	45.7792	114.6906	2	12	0	L17372	08/09/79	12	32	11.9	-	-	8.2	48	25	2	6	4	6	3	3	1	2	1	3	5	1		1	-	-	-	-	11.30
16	45.7769	114.6886	2	12	0	L17373	08/09/79	12	32	10.0	-	-	8.1	17	35	2	6	4	6	3	3	1	2	1	3	5	1		1	-	-	-	-	25.48
16	45.7706	114.6689	2	12	0	L17374	08/09/79	13	32	10.2	-	-	8.4	70	25	2	6	4	6	2	2	1	2	2	3	5	1		1	-	-	-	-	9.32
16	45.7658	114.6625	2	12	0	L17375	08/09/79	14	32	11.8	-	-	8.2	20	35	2	6	4	6	3	3	1	2	2	4	4	1		1	-	-	-	-	32.65
16	45.7656	114.6611	2	12	0	L17376	08/09/79	14	32	14.1	-	-	8.2	36	32	2	7	4	6	3	3	1	2	2	3	4	1		1	-	-	-	-	13.17
16	45.7636	114.6569	2	12	0	L17377	08/09/79	15	32	7.8	-	-	8.0	23	20	2	6	4	6	3	3	1	2	2	3	4	1		1	-	-	-	-	145.00
16	45.7753	114.6817	2	12	0	L17378	08/09/79	16	30	15.2	-	-	7.7	35	35	2	7	4	6	3	3	1	2	2	3	5	1		1	-	-	-	-	12.98
16	45.7800	114.7350	2	12	0	L17379	08/09/79	18	25	13.1	-	-	8.5	34		2	6	4	6	2	2	1	2	2	4	4	1		1	-	-	-	-	9.15
16	45.7831	114.7725	2	12	0	L17380	08/09/79	19	28	13.5	C	-	6.5	18		2	6	4	6	2	2	1	2	1	3	5	1		1	-	-	-	-	20.37
16	45.7533	114.7744	2	12	0	L17381	08/09/79	20	28	14.7	C	-	6.6	20		2	6	4	6	3	3	1	2	1	3	5	1		1	-	-	-	-	9.30
16	45.7536	114.7719	2	12	0	L17382	08/09/79	20	25	12.1	-	-	6.6	73	20	2	6	4	6	2	2	1	2	2	3	5	1		1	-	-	-	-	6.64
16	45.6889	114.8206	2	11	0	L17383	08/10/79	12	32	5.8	-	-	8.1	13	12	2	6	5	6	2	2	1		1	3	5	1		1	-	-	-	-	5.02
16	45.7044	114.8297	2	11	0	L17384	08/10/79	13	32	4.4	-	-	8.3	21	14	2	6	4	6	2	2	1		1	3	5	2		1	-	-	-	-	5.15
16	45.7211	114.8567	2	12	0	L17385	08/10/79	14	33	13.1	-	-	8.3	18	10	2	6	4	6	3	3	1	2	1	3	5	1		1	-	-	-	-	7.14
16	45.7208	114.8589	2	12	0	L17386	08/10/79	14	33	14.5	-	-	7.5	16	31	2	6	4	7	3	3	1	2	1	3	5	2		1	-	-	-	-	17.97
16	45.7219	114.8581	2	12	0	L17387	08/10/79	14	32	14.0	-	-	7.5	23	31	2	6	4	6	3	3	1	2	1	3	5	2		1	-	-	-	-	12.84
16	45.6969	114.8283	2	11	0	L17388	08/10/79	17	30	8.9	-	-	7.3	15	18	2	1	5	8	2	2	1		1	3	5	2		1	-	-	-	-	27.29
16	45.7231	114.7678	2	11	0	L17390	08/10/79	19	28	11.9	C	-	6.6	63	35	2	6	4	6	2	2	1		1	3	5	1		1	-	-	-	-	7.41
16	45.6653	114.8097	2	11	0	L17391	08/10/79	19	28	5.2	-	-	7.5	11	10	2	1	5	8	3	3	1		1	2	5	1		1	-	-	-	-	10.37
16	45.5539	114.7064	2	12	0	L17392	08/11/79	17	30	10.2	-	-	7.3	18	20	2	7	4	6	2	2	1	2	1	4	5	2		1	-	-	-	-	11.50
16	45.5444	114.7100	2	12	0	L17393	08/11/79	17	32	11.5	-	-	7.2	11	32	2	7	4	6	3	3	1	2	1	4	5	2		1	-	-	-	-	27.32
16	45.5308	114.7111	2	12	0	L17394	08/11/79	18	32	10.3	-	-	7.1	13	25	2	7	4	6	3	3	1	2	1	3	5	2		1	-	-	-	-	14.56
16	45.5019	114.7222	2	12	0	L17395	08/11/79	19	26	13.0	C	-	7.1	19		2	6	2	6	3	3	1	2	1	3	5	2		1	-	-	-	-	16.62
16	45.5025	114.7208	2	12	0	L17396	08/11/79	19	26	12.1	C	-	7.2	17		2	6	2	6	3	3	1	2	1	3	5	2		1	-	-	-	-	6.43
16	45.5203	114.7019	2	12	0	L17397	08/12/79	5	25	8.1	-	-	7.5	33	15	2	6	4	6	3	3	1	2	1	5	4	3		1	-	-	-	-	8.83
16	45.5278	114.6778	2	12	0	L17398	08/11/79	19	28	10.6	-	-	7.1	13	7	2	6	4	6	3	3	1	2	1	4	4	2		1	-	-	-	-	12.33
16	45.5267	114.6783	2	12	0	L17399	08/11/79	20	28	9.9	-	-	7.2	16	14	2	1	4	6	3	3	1	2	1	5	4	2		1	-	-	-	-	14.33
16	45.5256	114.6883	2	12	0	L17400	08/11/79	20	28	10.6	-	-	7.1	32	17	2	6	4	6	2	2	1	2	1	5	4	2		1	-	-	-	-	18.85
16	45.5203	114.7006	2	12	0	L17401	08/12/79	6	25	8.8	-	-	7.3	35	16	2	6	4	6	3	3	1	2	1	5	4	3		1	-	-	-	-	11.83
16	45.5208	114.7042	2	12	0	L17402	08/12/79	7	25	9.6	-	-	7.3	31	19	2	7	4	6	3	3	1	2	1	5	4	4		1	-	-	-	-	8.24
16	45.5283	114.7075	2	12	0	L17403	08/12/79	7	28	9.6	-	-	7.2	56	21	2	6	4	6	3	3	1	2	1	5	4	4		1	-	-	-	-	43.91
16	45.5283	114.7106	2	11	0	L17404	08/12/79	7	29	6.1	-	-	7.2	28	29	2	6	5	8	2	2	1		1	5	4	4		1	-	-	-	-	212.50
16	45.5539	114.7042	2	12	0	L17405	08/12/79	8	26	9.4	-	-	7.5	63	15	2	6	4	6	3	3	1	2	1	5	4	4		1	-	-	-	-	18.27
16	45.5622	114.7078	2	15	0	L17406	08/12/79	9	26	-	-	-	-	-	30	2	1	4	6		1		2	1	3	5	4		1	-	-	-	-	17.03
16	45.5706	114.7181	2	12	0	L17407	08/12/79	9	25	9.2	-	-	7.4	110	30	2	6	5	8	2	2	1	2	1	3	5	4		1	-	-	-	-	12.39
16	45.5797	114.7192	2	12	0	L17408	08/12/79	10	25	10.9	-	-	7.6	28	30	2	7	4	6	3	3	1	2	1	4	5	4		1	-	-	-	-	11.65
16	45.5786	114.7211	2	12	0	L17409	08/12/79	10	26	10.6	-	-	7.5	30	17	2	7	4	6	3	3	1	2	1	3	4	4		1	-	-	-	-	46.78

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.7269-	115.1233-	2-	11-		0-L17358	-5	6	-5	16	-20	21	14	-10	-15	-5	-5	592	4	65
16-	45.4931-	115.6114-	2-	12-		0-L17359	-5	7	-5	11	-20	-15	12	-10	-15	-5	-5	140	2	29
16-	45.4933-	115.6156-	2-	12-		0-L17360	-5	8	-5	-10	-20	-15	14	-10	-15	-5	-5	161	3	27
16-	45.4897-	115.6136-	2-	11-		0-L17361	-5	6	-5	22	-20	-15	23	-10	-15	5	-5	149	3	82
16-	45.4817-	115.6075-	2-	12-		0-L17362	-5	13	-5	-10	-20	-15	20	-10	24	8	-5	233	3	48
16-	45.5681-	115.6978-	2-	11-		0-L17363	-5	5	-5	21	-20	15	10	-10	-15	-5	-5	219	2	45
16-	45.5594-	115.6872-	2-	12-		0-L17364	-5	7	-5	23	-20	-15	73	-10	-15	-5	-5	175	3	25
16-	45.5522-	115.6931-	2-	11-		0-L17365	-5	-5	-5	15	-20	-15	7	-10	-15	-5	-5	223	3	29
16-	45.5178-	115.6711-	2-	11-		0-L17366	-5	-5	-5	12	-20	-15	14	-10	-15	-5	-5	242	3	33
16-	45.7908-	114.7622-	2-	12-		0-L17367	-5	11	-5	17	-20	24	7	-10	-15	8	-5	1241	2	48
16-	45.7814-	114.7347-	2-	12-		0-L17368	13	7	-5	-10	35	-15	9	-10	21	8	-5	3210	2	96
16-	45.7767-	114.7222-	2-	12-		0-L17369	5	-5	-5	15	-20	-15	-5	-10	17	-5	-5	1653	2	81
16-	45.7792-	114.7119-	2-	12-		0-L17370	5	-5	-5	14	-20	23	8	10	20	-5	-5	1954	2	47
16-	45.7781-	114.6972-	2-	12-		0-L17371	-5	7	-5	12	-20	15	-5	-10	-15	10	-5	1295	2	77
16-	45.7792-	114.6906-	2-	12-		0-L17372	5	-5	-5	16	-20	45	12	17	-15	-5	-5	951	2	62
16-	45.7769-	114.6886-	2-	12-		0-L17373	-5	5	-5	14	-20	-15	15	-10	-15	-5	-5	1655	4	68
16-	45.7706-	114.6689-	2-	12-		0-L17374	-5	-5	-5	20	-20	15	6	-10	-15	-5	-5	444	-1	26
16-	45.7658-	114.6625-	2-	12-		0-L17375	-5	11	-5	16	-20	-15	7	-10	-15	18	-5	552	4	78
16-	45.7656-	114.6611-	2-	12-		0-L17376	-5	-5	-5	19	-20	41	-5	-10	31	12	-5	2320	2	67
16-	45.7636-	114.6569-	2-	12-		0-L17377	-5	-5	-5	22	-20	-15	16	-10	-15	7	-5	204	7	101
16-	45.7753-	114.6817-	2-	12-		0-L17378	-5	-5	-5	12	-20	39	12	-10	-15	8	-5	1619	2	66
16-	45.7800-	114.7350-	2-	12-		0-L17379	-5	5	-5	14	-20	-15	-5	-10	30	16	-5	3041	2	65
16-	45.7831-	114.7725-	2-	12-		0-L17380	-5	5	-5	10	-20	-15	14	-10	-15	6	-5	1334	3	71
16-	45.7533-	114.7744-	2-	12-		0-L17381	8	-5	-5	-10	-20	21	9	-10	-15	7	-5	1903	9	50
16-	45.7536-	114.7719-	2-	12-		0-L17382	-5	-5	-5	15	-20	18	9	-10	-15	-5	-5	775	2	80
16-	45.6889-	114.8206-	2-	11-		0-L17383	-5	-5	-5	29	-20	-15	18	-10	-15	-5	-5	294	2	49
16-	45.7044-	114.8297-	2-	11-		0-L17384	8	-5	-5	31	-20	-15	-5	-10	-15	12	-5	1095	2	78
16-	45.7211-	114.8567-	2-	12-		0-L17385	-5	-5	-5	23	-20	16	7	-10	-15	15	-5	1644	2	42
16-	45.7208-	114.8589-	2-	12-		0-L17386	-5	-5	-5	31	-20	18	7	-10	-15	9	-5	1505	6	47
16-	45.7219-	114.8581-	2-	12-		0-L17387	-5	-5	-5	14	-20	-15	17	-10	-15	-5	-5	1199	7	35
16-	45.6969-	114.8283-	2-	11-		0-L17389	-5	-5	-5	18	-20	-15	15	-10	-15	5	-5	724	6	43
16-	45.7231-	114.7678-	2-	11-		0-L17390	-5	-5	-5	15	59	-15	20	-10	-15	-5	-5	1016	4	34
16-	45.6653-	114.8097-	2-	11-		0-L17391	-5	-5	-5	16	-20	-15	25	-10	18	-5	-5	309	3	50
16-	45.5539-	114.7064-	2-	12-		0-L17392	7	-5	-5	22	60	31	6	-10	-15	9	-5	977	2	46
16-	45.5444-	114.7100-	2-	12-		0-L17393	-5	8	-5	11	-20	15	14	-10	-15	-5	-5	437	4	77
16-	45.5308-	114.7111-	2-	12-		0-L17394	-5	8	-5	13	-20	25	11	-10	-15	5	-5	851	3	89
16-	45.5019-	114.7222-	2-	12-		0-L17395	-5	-5	-5	20	-20	19	5	-10	-15	6	-5	900	3	52
16-	45.5025-	114.7208-	2-	12-		0-L17396	-5	5	-5	12	-20	-15	-5	-10	-15	9	-5	1332	2	42
16-	45.5203-	114.7019-	2-	12-		0-L17397	-5	5	-5	-10	-20	-15	6	-10	-15	9	-5	1140	2	58
16-	45.5278-	114.6778-	2-	12-		0-L17398	-5	8	-5	-10	47	-15	14	-10	-15	-5	-5	1391	3	48
16-	45.5267-	114.6783-	2-	12-		0-L17399	-5	10	-5	13	22	-15	10	-10	-15	5	-5	2086	2	34
16-	45.5256-	114.6883-	2-	12-		0-L17400	-5	9	-5	15	28	-15	5	-10	-15	8	-5	1024	4	76
16-	45.5203-	114.7006-	2-	12-		0-L17401	-5	5	-5	-10	45	-15	-5	-10	-15	14	-5	1803	3	38
16-	45.5208-	114.7042-	2-	12-		0-L17402	-5	6	-5	26	-20	19	7	-10	-15	8	-5	736	2	50
16-	45.5283-	114.7075-	2-	12-		0-L17403	-5	10	-5	-10	21	-15	6	-10	-15	7	-5	1144	4	65
16-	45.5283-	114.7106-	2-	11-		0-L17404	-5	5	-5	20	-20	-15	9	-10	-15	5	-5	81	6	19
16-	45.5539-	114.7042-	2-	12-		0-L17405	-5	5	-5	22	-20	20	5	-10	-15	6	-5	729	3	99
16-	45.5622-	114.7078-	2-	15-		0-L17406	-5	8	-5	-10	-20	-15	8	-10	-15	10	-5	1075	6	90
16-	45.5706-	114.7181-	2-	12-		0-L17407	-5	6	-5	20	-20	-15	6	-10	-15	7	-5	592	3	92
16-	45.5797-	114.7192-	2-	12-		0-L17408	-5	10	-5	-10	41	-15	-5	-10	-15	16	-5	1841	3	49
16-	45.5786-	114.7211-	2-	12-		0-L17409	-5	6	-5	25	-20	20	10	-10	-15	-5	-5	311	4	71

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS — Concentrations reported in weight parts per million (ppm)															
		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-45.7269-115.1233-2-11-	0-L17358	63880	-0.10	499	21110	66	240	8.2	104	4.6	10	1.4	22750	22.8	13510	34	0.7
16-45.4931-115.6114-2-12-	0-L17359	86020	-0.05	793	13580	179	-141	2.9	-6	1.3	11	1.5	8644	5.6	21030	84	0.6
16-45.4933-115.6156-2-12-	0-L17360	84000	-0.07	805	14980	236	-137	2.9	21	-1.3	15	1.8	10720	5.6	21440	115	0.7
16-45.4897-115.6136-2-11-	0-L17361	94130	-0.08	895	16620	103	-140	3.0	-9	-1.6	7	1.3	17450	5.3	23020	57	0.4
16-45.4817-115.6075-2-12-	0-L17362	87750	0.34	857	15370	436	-129	2.5	19	1.7	25	2.5	10840	9.0	22990	212	1.3
16-45.5681-115.6978-2-11-	0-L17363	72640	-0.09	-149	12860	60	509	6.4	66	3.4	7	1.3	24620	7.4	12030	24	0.4
16-45.5594-115.6872-2-12-	0-L17364	49260	0.14	422	15300	61	213	5.6	33	3.1	5	0.9	16670	5.9	11890	28	0.3
16-45.5522-115.6931-2-11-	0-L17365	50650	-0.08	491	13570	58	165	7.7	49	3.7	6	1.0	22110	9.2	15870	24	0.3
16-45.6178-115.6711-2-11-	0-L17366	70580	-0.06	633	27250	77	-114	6.4	33	-1.2	5	1.3	20520	7.2	20880	38	0.3
16-45.7908-114.7622-2-12-	0-L17367	72400	-0.08	768	22960	216	-126	10.9	52	3.8	11	2.0	43620	44.6	21300	107	0.6
16-45.7814-114.7347-2-12-	0-L17368	72720	-0.13	593	24100	328	210	10.1	-15	3.1	16	2.9	64330	121.7	18430	159	1.2
16-45.7767-114.7222-2-12-	0-L17369	70220	-0.11	1095	24000	201	-137	7.1	19	6.5	11	3.1	67720	50.3	19180	85	0.7
16-45.7792-114.7119-2-12-	0-L17370	70710	-0.10	769	27430	188	298	14.5	63	3.3	9	2.1	54130	60.6	15620	99	0.6
16-45.7781-114.6972-2-12-	0-L17371	72550	-0.11	697	27830	192	256	12.1	32	3.4	13	2.6	48530	42.4	15620	109	0.8
16-45.7792-114.6906-2-12-	0-L17372	71140	-0.11	525	28080	159	-116	20.0	151	3.3	7	1.7	50550	27.2	20220	76	0.4
16-45.7769-114.6886-2-12-	0-L17373	70930	-0.11	697	17580	319	-135	5.1	-12	6.1	14	2.2	36610	53.6	25480	165	0.7
16-45.7706-114.6689-2-12-	0-L17374	46740	-0.09	558	10970	122	242	6.6	18	-1.9	6	1.3	22930	19.2	13060	63	0.4
16-45.7658-114.6625-2-12-	0-L17375	82470	-0.08	597	13830	446	-145	3.9	-10	5.9	15	1.7	22140	19.5	25760	224	0.9
16-45.7656-114.6611-2-12-	0-L17376	70010	-0.11	654	22400	286	-114	14.8	84	3.3	11	1.8	48950	64.1	19180	144	0.7
16-45.7636-114.6569-2-12-	0-L17377	77650	-0.10	582	16050	208	-127	6.0	24	8.5	18	2.9	21790	6.9	18250	143	1.0
16-45.7753-114.6817-2-12-	0-L17378	77610	-0.09	835	16650	236	-119	10.0	49	4.0	10	1.8	35870	48.1	19000	127	0.4
16-45.7800-114.7350-2-12-	0-L17379	69940	-0.11	520	22690	718	344	5.4	-13	2.8	16	2.5	65300	95.4	21350	343	1.1
16-45.7831-114.7725-2-12-	0-L17380	67330	-0.12	503	14280	426	-137	5.4	-14	3.7	17	1.2	30930	50.1	24900	209	1.1
16-45.7533-114.7744-2-12-	0-L17381	62720	-0.09	641	19490	635	227	8.0	38	-1.5	13	2.4	50590	60.5	21950	310	0.9
16-45.7536-114.7719-2-12-	0-L17382	73430	-0.08	1105	21720	270	-119	11.4	47	4.5	9	1.6	42780	24.5	24790	145	0.5
16-45.6889-114.8206-2-11-	0-L17383	73290	-0.10	707	14010	96	-165	7.4	27	4.4	5	1.2	25470	9.9	20140	38	0.2
16-45.7044-114.8297-2-11-	0-L17384	76950	-0.12	947	19310	105	327	12.9	32	3.3	7	1.7	57190	27.9	13330	55	0.4
16-45.7211-114.8567-2-12-	0-L17385	71030	-0.10	764	23150	236	323	10.0	48	3.1	8	2.0	53640	58.0	15010	101	0.6
16-45.7208-114.8589-2-12-	0-L17386	67120	-0.09	666	22300	325	-132	7.5	34	4.5	12	2.1	42530	49.5	14130	166	0.8
16-45.7219-114.8581-2-12-	0-L17387	69430	-0.08	444	9443	393	-136	3.4	25	4.3	14	1.4	28270	46.5	23820	190	1.0
16-45.6969-114.8283-2-11-	0-L17389	68030	-0.13	886	17450	103	294	3.9	-14	-2.6	14	3.2	27490	22.2	16810	63	0.8
16-45.7231-114.7678-2-11-	0-L17390	76930	-0.07	738	9611	445	-135	3.9	18	3.8	11	1.3	26280	32.9	32850	217	0.6
16-45.6653-114.8097-2-11-	0-L17391	71410	-0.12	563	16110	97	-143	7.3	39	3.1	5	1.0	24490	10.9	18710	47	0.3
16-45.5539-114.7064-2-12-	0-L17392	68650	-0.10	544	31230	243	-129	19.1	159	5.5	9	2.3	47190	30.7	18760	111	0.6
16-45.5444-114.7100-2-12-	0-L17393	77700	-0.08	-155	17030	222	-130	6.4	46	5.2	9	1.0	23280	17.8	24610	98	0.6
16-45.5308-114.7111-2-12-	0-L17394	70500	-0.10	570	21010	369	-145	8.3	63	7.0	10	1.8	32840	35.9	16380	184	0.8
16-45.5019-114.7222-2-12-	0-L17395	72370	-0.12	734	22470	158	187	10.8	87	-2.4	8	1.6	34170	28.9	13500	76	0.5
16-45.5025-114.7208-2-12-	0-L17396	68030	-0.10	631	28260	135	-123	9.4	37	4.6	8	1.8	38630	50.2	11920	61	0.5
16-45.5203-114.7019-2-12-	0-L17397	72180	-0.09	648	26080	149	-129	9.4	54	-1.8	7	1.9	35840	40.9	12010	72	0.6
16-45.5278-114.6778-2-12-	0-L17398	75630	-0.10	702	17760	525	273	5.6	30	4.6	17	2.0	41460	53.2	24110	268	0.8
16-45.5267-114.6783-2-12-	0-L17399	56820	-0.12	814	26480	268	-138	11.6	47	3.5	11	2.0	42390	65.0	14500	133	1.0
16-45.5256-114.6883-2-12-	0-L17400	71610	-0.10	511	20350	351	-119	8.2	23	9.2	10	1.6	33360	39.2	21280	182	0.6
16-45.5203-114.7006-2-12-	0-L17401	71230	-0.10	655	24610	499	244	9.1	27	3.2	13	2.1	42350	61.0	18950	236	0.7
16-45.5208-114.7042-2-12-	0-L17402	59220	-0.12	461	21520	178	278	11.4	63	4.9	10	1.6	33540	24.3	11930	83	0.5
16-45.5283-114.7075-2-12-	0-L17403	59350	-0.12	354	18710	538	-127	5.7	-14	7.4	16	1.7	31390	55.5	15150	286	1.1
16-45.5283-114.7106-2-11-	0-L17404	50900	-0.15	-156	33760	260	213	-2.4	54	10.8	42	6.0	18210	-2.0	-3052	189	2.0
16-45.5539-114.7042-2-12-	0-L17405	60400	-0.11	404	33750	398	-120	19.7	377	6.4	12	1.5	46000	33.5	16780	208	0.7
16-45.5622-114.7078-2-15-	0-L17406	75690	-0.10	782	16490	315	-128	10.0	70	8.4	21	3.0	35160	43.3	27270	217	1.1
16-45.5706-114.7181-2-12-	0-L17407	73240	-0.13	648	19340	191	-143	10.3	73	8.3	11	1.8	36770	26.5	18230	118	0.5
16-45.5797-114.7192-2-12-	0-L17408	68610	-0.10	636	23650	441	-124	11.3	66	4.3	12	2.3	44730	65.3	20200	216	0.9
16-45.5786-114.7211-2-12-	0-L17409	73660	-0.10	593	24770	131	-141	11.8	94	5.4	7	1.4	34060	9.6	15030	82	0.5

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.7269-115.1233-2-11-	0-L17358	9102	479	18530	-39	-2	12.0	7.3	-257	-2	-1	9.0	4520	66	8.5	-26	1.487
16-45.4931-115.6114-2-12-	0-L17359	-2325	283	37270	96	-1	2.5	14.7	506	-1	1	27.5	-562	-8	7.1		0.395
16-45.4933-115.6155-2-12-	0-L17360	-2435	348	37110	91	-2	3.7	16.6	721	-2	1	36.0	1828	25	9.3	67	0.388
16-45.4897-115.6136-2-11-	0-L17361	5128	489	30850	110	-2	5.5	12.1	998	2	-1	13.6	2162	24	5.1	71	2.164
16-45.4817-115.6075-2-12-	0-L17362	-2090	368	37520	99	-1	2.7	30.2	-229	-2	2	69.3	1261	13	15.6	38	0.194
16-45.5681-115.6978-2-11-	0-L17363	8899	336	25020	-42	-3	9.8	6.8	-283	-1	1	8.4	4600	72	3.8		0.510
16-45.5594-115.6872-2-12-	0-L17364	6104	337	21070	-28	4	7.0	5.0	-244	-1	-1	6.8	3353	51	2.9	65	0.734
16-45.5522-115.6931-2-11-	0-L17365	10970	288	14580	94	-2	10.4	4.2	-207	-1	-1	7.9	3722	60	4.2	-35	0.622
16-45.6178-115.6711-2-11-	0-L17366	7362	530	26190	52	-2	7.4	6.6	-221	2	-1	9.5	4146	58	5.2	33	1.166
16-45.7908-114.7622-2-12-	0-L17367	8396	775	23320	102	-2	14.1	16.1	-265	3	-1	31.5	6667	60	7.0	177	0.321
16-45.7814-114.7347-2-12-	0-L17368	6455	1302	17970	-49	-3	19.3	27.1	-379	5	1	37.4	10850	63	11.8	-57	0.434
16-45.7767-114.7222-2-12-	0-L17369	5049	1437	24020	100	-3	16.5	18.6	-383	-2	-1	23.0	5750	32	7.8	242	0.743
16-45.7792-114.7119-2-12-	0-L17370	12180	1179	21170	-41	-3	16.6	12.1	-312	-2	-1	20.3	8772	81	5.8	209	0.806
16-45.7781-114.6972-2-12-	0-L17371	7453	959	18970	89	-3	16.4	18.7	-326	-2	1	19.1	7009	53	5.3	245	0.871
16-45.7792-114.6906-2-12-	0-L17372	20660	909	19420	66	-3	19.0	10.9	-322	-2	-1	24.9	8759	108	6.3	83	0.454
16-45.7769-114.6886-2-12-	0-L17373	-2335	923	22930	113	-3	10.0	27.4	-358	-2	-1	53.3	7631	34	10.0	-112	0.478
16-45.7706-114.6689-2-12-	0-L17374	6171	603	14210	-42	-3	6.6	8.6	-306	-2	-1	19.3	4203	41	-2.1	-82	0.483
16-45.7658-114.6625-2-12-	0-L17375	3491	459	28330	142	-2	7.0	33.4	-269	3	1	113.4	3557	32	8.1	132	0.288
16-45.7656-114.6611-2-12-	0-L17376	11970	890	21020	79	-3	14.5	17.0	-310	-2	-1	37.1	9346	85	9.5	135	0.355
16-45.7636-114.6569-2-12-	0-L17377	-2317	779	19930	135	-3	7.0	37.4	-354	-2	2	38.5	2288	39	10.4		3.766
16-45.7753-114.6817-2-12-	0-L17378	9097	560	20130	-39	-2	11.4	14.7	-247	-2	-1	53.9	8145	78	6.7	76	0.241
16-45.7800-114.7350-2-12-	0-L17379	5397	1279	23400	110	-3	17.5	36.3	-340	6	2	47.8	7764	27	11.7	339	0.191
16-45.7831-114.7725-2-12-	0-L17380	3784	820	22970	142	-3	9.0	28.2	-363	5	1	49.4	4797	20	12.5	-142	0.412
16-45.7533-114.7744-2-12-	0-L17381	4854	1060	23590	71	-2	16.0	41.7	-296	4	1	52.8	8035	41	10.2	-47	0.176
16-45.7536-114.7719-2-12-	0-L17382	8740	921	21100	149	-2	11.8	16.4	-256	3	-1	31.6	6258	59	6.4	187	0.210
16-45.6889-114.8206-2-11-	0-L17383	4641	948	19430	119	-3	7.6	6.8	-378	-2	-1	9.0	4032	39	-1.8	190	0.558
16-45.7044-114.8297-2-11-	0-L17384	7738	1652	20520	-47	-3	14.4	8.5	-455	-1	-1	9.5	7066	85	4.6	-61	0.542
16-45.7211-114.8567-2-12-	0-L17385	7672	1222	22000	-41	-3	14.9	13.4	-348	3	-1	24.7	8561	54	7.7	205	0.289
16-45.7208-114.8589-2-12-	0-L17386	8178	1124	21860	-38	-2	12.2	18.9	-307	4	-1	30.1	6067	44	9.6	184	0.597
16-45.7219-114.8581-2-12-	0-L17387	-2190	610	25950	152	-2	6.7	24.2	-269	4	2	43.0	3150	19	9.9	-43	0.299
16-45.6969-114.8283-2-11-	0-L17389	5218	813	17820	-52	-3	10.1	18.7	-396	-3	-1	11.4	3895	37	8.9	121	2.394
16-45.7231-114.7678-2-11-	0-L17390	-2159	443	29070	114	-2	6.8	22.5	-248	4	1	32.1	3679	25	7.1	149	0.231
16-45.6653-114.8097-2-11-	0-L17391	7599	595	19880	-48	-3	8.4	8.9	-375	-2	-1	20.2	5900	54	3.9	137	0.513
16-45.5539-114.7064-2-12-	0-L17392	18110	1144	22180	-40	-3	17.2	17.5	-356	4	-1	30.0	8732	102	6.6	127	0.383
16-45.5444-114.7100-2-12-	0-L17393	8469	620	24750	104	-2	9.7	16.1	-262	-1	-1	53.6	2964	54	10.1	99	0.510
16-45.5308-114.7111-2-12-	0-L17394	7470	816	22210	176	-3	12.1	19.4	-316	-2	-1	51.3	4560	58	7.7	86	0.284
16-45.5019-114.7222-2-12-	0-L17395	10440	968	20890	-47	-3	13.0	10.0	-398	-2	-1	23.8	5866	72	5.7	131	0.698
16-45.5025-114.7208-2-12-	0-L17396	8468	912	24360	83	-3	18.3	11.9	-316	-1	-1	15.6	7127	59	6.1	-44	0.412
16-45.5203-114.7019-2-12-	0-L17397	10290	907	24670	-35	-2	15.4	9.9	351	-1	-1	19.3	7084	66	4.5	62	0.458
16-45.5278-114.6778-2-12-	0-L17398	-2489	963	26480	98	-3	11.5	29.2	-335	5	1	45.7	4950	30	10.3	272	0.270
16-45.5267-114.6783-2-12-	0-L17399	8363	1078	23550	-43	-3	16.8	18.7	-378	-2	-1	36.2	10520	79	9.1	-53	0.396
16-45.5256-114.6883-2-12-	0-L17400	5324	639	23430	111	-2	10.5	24.0	-300	3	-1	44.2	5863	39	10.8	-76	0.426
16-45.5203-114.7006-2-12-	0-L17401	6733	1011	25760	90	-2	14.5	24.0	-293	4	1	45.3	8044	49	9.3	201	0.261
16-45.5208-114.7042-2-12-	0-L17402	8214	893	18820	-52	-3	12.9	12.2	-375	-2	-1	20.8	5203	70	5.7	-102	0.396
16-45.5283-114.7075-2-12-	0-L17403	-2260	734	19120	106	-3	10.3	36.7	-341	-2	3	56.7	4697	32	10.4	-32	0.774
16-45.5283-114.7106-2-11-	0-L17404	4019	134	2564	-59	-4	9.8	61.7	-248	6	4	14.5	1542	41	18.2	-74	14.655
16-45.5539-114.7042-2-12-	0-L17405	27310	1072	17910	-42	-3	23.6	22.9	-293	-2	2	34.3	4574	140	8.5	191	0.533
16-45.5522-114.7078-2-15-	0-L17406	8205	638	21420	130	-2	13.1	39.2	-268	3	2	41.7	4215	50	11.7	218	0.408
16-45.5706-114.7181-2-12-	0-L17407	11040	784	20520	91	-3	11.4	14.6	-386	-2	-1	19.6	6982	69	7.7	-137	0.632
16-45.5797-114.7192-2-12-	0-L17408	9652	1037	24370	-39	-3	16.0	27.5	-329	4	1	55.2	8969	65	9.7		0.211
16-45.5786-114.7211-2-12-	0-L17409	12570	970	19350	92	-3	12.0	11.8	-324	-2	-1	24.7	5670	96	5.5	161	1.894

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						ASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	ASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, µR/h)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.5972-	114.7192-	2-	12-	0-	L17410-	08/12/79-	10-	26-	10.7-	-	-	7.6-	47-	12-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	5-	4-	-1-	-	-	-	-	12.35
16-	45.5972-	114.7167-	2-	12-	0-	L17411-	08/12/79-	11-	25-	11.1-	-	-	7.7-	29-	29-	2-	7-	4-	6-	3-	3-	1-	2-	1-	4-	5-	4-	-1-	-	-	-	-	11.23
16-	45.6000-	114.7131-	2-	12-	0-	L17412-	08/12/79-	11-	26-	9.0-	-	-	7.6-	71-	14-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	8.51
16-	45.6822-	115.0753-	2-	12-	0-	L17413-	08/06/79-	14-	32-	12.6-	-	-	7.6-	5-	23-	2-	7-	1-	7-	3-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	11.64
16-	45.6747-	115.0744-	2-	12-	0-	L17414-	08/09/79-	15-	32-	16.7-	-	-	7.3-	11-	17-	2-	2-	7-	2-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	-	11.86
16-	45.6653-	115.0953-	2-	12-	0-	L17415-	08/06/79-	16-	31-	12.8-	-	-	7.5-	13-	17-	2-	7-	2-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	28.47
16-	45.6456-	115.1092-	2-	12-	0-	L17416-	08/06/79-	17-	30-	15.1-	-	-	7.2-	22-	12-	2-	7-	5-	6-	3-	2-	1-	1-	1-	3-	3-	1-	-1-	-	-	-	-	9.82
16-	45.6417-	115.1219-	2-	12-	0-	L17417-	08/06/79-	17-	30-	13.0-	-	-	7.2-	15-	21-	2-	7-	1-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	18.82
16-	45.6350-	115.1150-	2-	12-	0-	L17418-	08/06/79-	18-	28-	12.1-	-	-	7.1-	19-	10-	2-	7-	1-	7-	4-	2-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	9.31
16-	45.6942-	114.5581-	2-	12-	0-	L17419-	08/09/79-	18-	28-	14.3-	-	-	7.2-	30-	29-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	9.57
16-	45.7025-	114.5789-	2-	12-	0-	L17420-	08/09/79-	18-	28-	12.5-	-	-	7.3-	20-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	64.68
16-	45.7033-	114.5781-	2-	12-	0-	L17421-	08/09/79-	18-	28-	14.1-	-	-	7.2-	22-	33-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	5.56
16-	45.7056-	114.5906-	2-	12-	0-	L17422-	08/09/79-	19-	28-	13.1-	-	-	7.3-	21-	14-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	6.83
16-	45.7083-	114.6011-	2-	12-	0-	L17423-	08/09/79-	19-	28-	12.8-	-	-	7.2-	42-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	10.03
16-	45.7061-	114.6150-	2-	12-	0-	L17424-	08/09/79-	19-	28-	12.3-	-	-	7.4-	24-	21-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	17.15
16-	45.7033-	114.6192-	2-	12-	0-	L17425-	08/09/79-	19-	28-	12.8-	-	-	7.3-	34-	15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	18.95
16-	45.5742-	114.9644-	2-	12-	0-	L17426-	08/10/79-	14-	31-	8.2-	-	-	7.1-	10-	16-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	8.96
16-	45.5731-	114.9656-	2-	12-	0-	L17427-	08/10/79-	14-	31-	7.2-	-	-	7.2-	6-	19-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	8.16
16-	45.5719-	114.9658-	2-	12-	0-	L17428-	08/10/79-	14-	31-	7.9-	-	-	7.1-	2-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	18.05
16-	45.5925-	114.9528-	2-	11-	0-	L17429-	08/10/79-	16-	30-	6.9-	-	-	6.9-	1-	7-	2-	6-	5-	6-	3-	3-	1-	-1-	-1-	3-	5-	2-	-1-	-	-	-	-	7.12
16-	45.6069-	114.9372-	2-	11-	0-	L17430-	08/10/79-	15-	30-	10.9-	-	-	7.5-	14-	7-	2-	6-	3-	6-	3-	3-	1-	-1-	-1-	3-	5-	2-	-1-	-	-	-	-	4.05
16-	45.6169-	114.9311-	2-	11-	0-	L17431-	08/10/79-	16-	29-	3.5-	-	-	7.4-	4-	5-	2-	6-	3-	6-	3-	3-	1-	-1-	-1-	3-	5-	2-	-1-	-	-	-	-	23.89
16-	45.6350-	114.9108-	2-	11-	0-	L17432-	08/10/79-	17-	28-	8.5-	-	-	6.9-	6-	5-	2-	6-	5-	6-	3-	3-	1-	-1-	-1-	3-	5-	2-	-1-	-	-	-	-	2.03
16-	45.6194-	114.8464-	2-	11-	0-	L17433-	08/10/79-	18-	28-	8.5-	-	-	7.1-	2-	7-	2-	6-	5-	6-	3-	3-	1-	-1-	-1-	3-	5-	2-	-1-	-	-	-	-	9.71
16-	45.7356-	114.7506-	2-	12-	0-	L17434-	08/10/79-	20-	26-	14.3-	-	-	6.8-	42-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	10.00
16-	45.7458-	114.7589-	2-	12-	0-	L17435-	08/10/79-	20-	26-	13.7-	-	-	6.8-	59-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	8.79
16-	45.7444-	114.7600-	2-	12-	0-	L17436-	08/10/79-	20-	26-	13.4-	-	-	6.9-	23-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	15.80
16-	45.7344-	114.7586-	2-	15-	0-	L17437-	08/10/79-	20-	26-	-	-	-	-	-	20-	2-	6-	2-	6-	-1-	-2-	1-	3-	5-	2-	-1-	-	-	-	-	-	-	19.95
16-	45.4731-	115.6233-	2-	12-	0-	L17438-	08/06/79-	15-	29-	15.7-	-	-	7.0-	18-	11-	1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	11.92
16-	45.4725-	115.6197-	2-	12-	0-	L17439-	08/06/79-	17-	31-	9.9-	-	-	6.9-	26-	12-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	165.80
16-	45.4800-	115.6011-	2-	12-	0-	L17440-	08/06/79-	17-	31-	11.3-	-	-	6.7-	29-	8-	1-	7-	4-	6-	2-	2-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	103.00
16-	45.4922-	115.5906-	2-	11-	0-	L17441-	08/06/79-	18-	28-	9.9-	-	-	7.2-	52-	8-	1-	7-	5-	8-	2-	3-	1-	-1-	-1-	3-	5-	1-	-1-	-	-	-	-	141.10
16-	45.5006-	115.5842-	2-	11-	0-	L17442-	08/06/79-	18-	28-	12.7-	-	-	7.3-	32-	12-	1-	7-	5-	8-	2-	3-	1-	-1-	-1-	3-	5-	2-	-1-	-	-	-	-	31.63
16-	45.5094-	115.5778-	2-	11-	0-	L17443-	08/06/79-	18-	27-	12.9-	-	-	7.4-	51-	4-	1-	7-	5-	8-	2-	3-	1-	-1-	-1-	3-	5-	1-	-1-	-	-	-	-	189.00
16-	45.5147-	115.5553-	2-	11-	0-	L17444-	08/06/79-	19-	26-	12.1-	-	-	7.4-	34-	8-	1-	7-	5-	8-	2-	3-	1-	-1-	-1-	3-	5-	2-	-1-	-	-	-	-	21.02
16-	45.9044-	114.7883-	2-	15-	0-	L17445-	08/09/79-	10-	29-	-	-	-	-	-	11-	1-	7-	4-	6-	-1-	-2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	4.00
16-	45.8981-	114.7778-	2-	12-	0-	L17446-	08/09/79-	10-	29-	14.1-	-	-	7.4-	51-	7-	1-	7-	4-	8-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	6.72
16-	45.8878-	114.7642-	2-	12-	0-	L17447-	08/09/79-	11-	30-	15.5-	-	-	7.7-	66-	6-	1-	7-	5-	8-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	11.06
16-	45.9217-	114.7394-	2-	12-	0-	L17448-	08/09/79-	13-	30-	18.1-	-	-	7.8-	44-	9-	2-	7-	4-	6-	2-	2-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	12.31
16-	45.9225-	114.7378-	2-	12-	0-	L17449-	08/09/79-	13-	30-	13.7-	-	-	7.9-	47-	11-	2-	7-	4-	6-	2-	2-	1-	2-	2-	3-	4-	1-	-1-	-	-	-	-	15.67
16-	45.9228-	114.7389-	2-	12-	0-	L17450-	07/09/79-	13-	31-	19.5-	-	-	7.9-	47-	13-	2-	1-	4-	6-	2-	2-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	5.84
16-	45.9114-	114.7403-	2-	12-	0-	L17451-	08/09/79-	14-	30-	14.4-	-	-	7.8-	129-	9-	1-	7-	5-	6-	2-	2-	1-	2-	3-	3-	4-	1-	-1-	-	-	-	-	4.14
16-	45.8997-	114.7492-	2-	11-	0-	L17452-	08/09/79-	14-	30-	12.6-	-	-	8.3-	207-	12-	1-	7-	5-	8-	2-	3-	1-	-2-	3-	4-	1-	-1-	-	-	-	-	-	4.83
16-	45.9133-	114.7397-	2-	15-	0-	L17453-	08/09/79-	14-	31-	-	-	-	-	-	7-	1-	7-	4-	6-	-1-	-2-	3-	3-	4-	1-	-1-	-	-	-	-	-	-	2.39
16-	45.9092-	114.7411-	2-	15-	0-	L17454-	08/09/79-	14-	31-	-	-	-	-	-	11-	1-	6-	4-	6-	-1-	-2-	3-	3-	4-	1-	-1-	-	-	-	-	-	-	10.40
16-	45.8844-	114.7619-	2-	15-	0-	L17455-	08/09/79-	14-	31-	-	-	-	-	-	8-	1-	6-	4-	8-	-1-	-2-	3-	3-	4-	1-	-1-	-	-	-	-	-	-	8.51
16-	45.8761-	114.7594-	2-	12-	0-	L17456-	08/09/79-	15-	31-	17.4-	C-	-	8.4-	50-	-1-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	12.22
16-	45.8625-	114.7367-	2-	15-	0-	L17457-	08/09/79-	16-	29-	-	-	-	-	-	10-	1-	7-	4-	8-	-1-	-2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	7.09
16-	45.8500-	114.7383-	2-	12-	0-	L17458-	08/09/79-	16-	29-	17.6-	-	-	8.0-	27-	3-	1-	7-	4-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	7.25
16-	45.8383-	114.7425-	2-	12-	0-	L17459-	08/09/79-	17-	29-	12.7-	-	-	7.9-	84-	35-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	15.96
16-	45.8300-	114.7533-	2-	15-	0-	L17460-	08/09/79-	17-	29-	-	C-	-	-	-	-1-	7-	4-	8-	-1-	-2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	-	7.23

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-45.5972-114.7192-2-12-	0-L17410	-5	9	-5	15	-20	43	10	-10	-15	-5	-5	1083	1	55
16-45.5972-114.7157-2-12-	0-L17411	-5	-5	-5	14	-20	-15	8	-10	-15	-5	-5	814	3	68
16-45.6000-114.7131-2-12-	0-L17412	-5	5	-5	14	-20	-15	10	-10	-15	-5	-5	344	3	60
16-45.6822-115.0753-2-12-	0-L17413	-5	9	-5	12	24	-15	18	-10	-15	-5	-5	722	1	-1
16-45.6747-115.0744-2-12-	0-L17414	-5	5	-5	14	-20	-15	8	-10	-15	5	-5	856	5	42
16-45.6653-115.0953-2-12-	0-L17415	-5	11	-5	-10	-20	-15	16	-10	-15	-5	-5	1047	6	45
16-45.6456-115.1092-2-12-	0-L17416	-5	6	-5	-10	40	-15	5	-10	-15	8	-5	1656	4	37
16-45.6417-115.1219-2-12-	0-L17417	-5	10	-5	15	23	-15	11	-10	-15	5	-5	1139	5	48
16-45.6350-115.1150-2-12-	0-L17418	-5	7	-5	17	-20	34	-5	-10	-15	7	-5	386	3	44
16-45.6942-114.5581-2-12-	0-L17419	-5	-5	-5	10	-20	-15	5	-10	-15	-5	-5	766	3	35
16-45.7025-114.5789-2-12-	0-L17420	-5	14	-5	-10	20	-15	22	12	-15	9	-5	568	16	71
16-45.7033-114.5781-2-12-	0-L17421	-5	5	-5	20	-20	-15	12	-10	-15	6	-5	499	3	48
16-45.7056-114.5906-2-12-	0-L17422	-5	-5	-5	11	-20	-15	14	-10	-15	-5	-5	460	5	41
16-45.7083-114.6011-2-12-	0-L17423	-5	10	-5	16	22	-15	27	-10	-15	8	-5	259	6	44
16-45.7061-114.6150-2-12-	0-L17424	-5	7	-5	10	-20	-15	17	-10	-15	-5	-5	663	5	50
16-45.7033-114.6192-2-12-	0-L17425	-5	10	-5	11	-20	-15	16	-10	-15	-5	-5	666	5	67
16-45.5742-114.9644-2-12-	0-L17426	5	9	-5	-10	-20	-15	-5	-10	-15	8	-5	2234	2	43
16-45.5731-114.9656-2-12-	0-L17427	-5	5	-5	16	23	-15	22	-10	-15	-5	-5	210	6	50
16-45.5719-114.9658-2-12-	0-L17428	-5	6	-5	14	-20	-15	16	-10	-15	6	-5	543	8	14
16-45.5925-114.9528-2-11-	0-L17429	-5	7	-5	17	-20	-15	17	-10	-15	6	-5	391	6	35
16-45.6069-114.9372-2-11-	0-L17430	-5	-5	-5	13	-20	-15	17	-10	-15	-5	-5	318	2	55
16-45.6169-114.9311-2-11-	0-L17431	-5	-5	-5	14	-20	-15	11	-10	-15	5	-5	482	4	43
16-45.6350-114.9108-2-11-	0-L17432	-5	-5	-5	15	-20	-15	8	-10	-15	-5	-5	134	1	7
16-45.6194-114.8464-2-11-	0-L17433	-5	-5	-5	17	-20	-15	15	-10	-15	-5	-5	327	2	7
16-45.7356-114.7506-2-12-	0-L17434	14	12	-5	23	72	-15	-5	-10	-15	20	-5	2677	4	33
16-45.7458-114.7589-2-12-	0-L17435	-5	7	-5	17	43	-15	9	12	-15	9	-5	1629	4	27
16-45.7444-114.7600-2-12-	0-L17436	-5	11	-5	15	22	-15	-5	-10	-15	11	-5	1123	4	46
16-45.7344-114.7586-2-15-	0-L17437	-5	12	-5	-10	27	-15	-5	-10	-15	14	-5	2376	4	48
16-45.4731-115.6233-2-12-	0-L17438	-5	9	-5	-10	-20	-15	6	-10	-15	6	-5	260	3	21
16-45.4725-115.6197-2-12-	0-L17439	-5	-5	-5	19	-20	-15	16	-10	16	37	-5	139	4	40
16-45.4800-115.6011-2-12-	0-L17440	-5	-5	-5	14	-20	-15	10	-10	-15	26	-5	103	4	49
16-45.4922-115.5906-2-11-	0-L17441	-5	-5	-5	36	-20	-15	9	-10	-15	8	-5	119	3	62
16-45.5006-115.5842-2-11-	0-L17442	-5	-5	-5	17	-20	-15	11	-10	-15	-5	-5	106	3	64
16-45.5094-115.5778-2-11-	0-L17443	-5	-5	-5	12	-20	-15	13	-10	-15	-5	-5	122	4	67
16-45.5147-115.5553-2-11-	0-L17444	-5	-5	-5	15	-20	21	9	-10	-15	-5	-5	252	4	47
16-45.9044-114.7883-2-15-	0-L17445	-5	9	-5	29	-20	-15	-5	-10	18	8	-5	724	1	24
16-45.8981-114.7778-2-12-	0-L17446	-5	7	-5	21	-20	37	-5	-10	15	9	-5	1009	-1	48
16-45.8878-114.7642-2-12-	0-L17447	9	22	-5	-10	25	-15	-5	-10	16	15	-5	3149	-1	30
16-45.9217-114.7394-2-12-	0-L17448	19	24	-5	-10	36	16	-5	-10	35	22	-5	5176	-1	18
16-45.9225-114.7378-2-12-	0-L17449	-5	11	-5	15	-20	22	12	-10	-15	7	-5	953	3	40
16-45.9228-114.7389-2-12-	0-L17450	6	13	-5	-10	-20	35	-5	-10	25	11	-5	2225	1	24
16-45.9114-114.7403-2-12-	0-L17451	-5	9	-5	17	-20	-15	-5	-10	27	7	-5	637	2	24
16-45.8997-114.7492-2-11-	0-L17452	-5	5	-5	17	-20	35	-5	-10	-15	7	-5	671	-1	46
16-45.9133-114.7397-2-15-	0-L17453	-5	5	-5	20	-20	17	8	-10	15	9	-5	433	1	67
16-45.9092-114.7411-2-15-	0-L17454	-5	-5	-5	44	-20	50	-5	-10	-15	10	-5	274	2	33
16-45.8844-114.7619-2-15-	0-L17455	-5	7	-5	48	-20	129	-5	-10	-15	13	-5	548	2	44
16-45.8761-114.7594-2-12-	0-L17456	-5	5	-5	24	-20	56	6	-10	15	6	-5	935	1	148
16-45.8625-114.7367-2-15-	0-L17457	-5	-5	-5	40	-20	74	-5	-10	-15	11	-5	492	1	76
16-45.8500-114.7383-2-12-	0-L17458	-5	5	-5	14	-20	45	-5	-10	-15	7	-5	780	2	28
16-45.8383-114.7425-2-12-	0-L17459	-5	-5	-5	20	-20	23	9	-10	-15	-5	-5	477	-1	22
16-45.8300-114.7533-2-15-	0-L17460	-5	10	-5	14	-20	19	15	-10	-15	5	-5	1267	-1	23

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))																
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.5972-	114.7192-	2-	12-		0-L17410	68430	-0.11	596	33650	269	-132	16.8	151	4.4	11	2.6	45830	47.1	16330	125	0.7
16-	45.5972-	114.7167-	2-	12-		0-L17411	73860	-0.11	639	25590	227	-128	12.9	95	5.0	9	1.7	37350	26.6	23240	114	0.6
16-	45.6000-	114.7131-	2-	12-		0-L17412	72520	-0.08	621	22610	169	-111	10.1	77	4.1	7	1.5	29920	13.9	18670	79	0.4
16-	45.6822-	115.0753-	2-	12-		0-L17413	69710	-0.08	-152	17570	251	212	3.0	23	2.7	12	0.9	24840	26.5	23890	117	0.7
16-	45.6747-	115.0744-	2-	12-		0-L17414	71370	-0.10	569	13830	219	-155	6.9	55	3.9	12	1.5	35400	31.0	21700	105	0.7
16-	45.6653-	115.0953-	2-	12-		0-L17415	64280	-0.12	509	14590	314	-147	5.6	44	-2.3	16	1.3	22260	37.7	14220	163	1.0
16-	45.6456-	115.1092-	2-	12-		0-L17416	75670	-0.09	595	20750	416	-123	8.0	73	3.2	11	2.0	35440	58.5	24040	203	0.7
16-	45.6417-	115.1219-	2-	12-		0-L17417	73790	-0.08	534	19630	407	171	6.8	97	4.5	12	1.3	31550	44.7	23350	184	0.9
16-	45.6350-	115.1150-	2-	12-		0-L17418	71170	-0.08	679	29300	164	-138	13.0	163	2.4	7	1.2	27730	14.1	13280	76	0.3
16-	45.6942-	114.5581-	2-	12-		0-L17419	36840	-0.06	298	3370	92	-54	3.1	23	12.2	6	1.1	13500	27.0	16010	47	0.6
16-	45.7025-	114.5789-	2-	12-		0-L17420	73350	-0.08	266	6224	220	-117	-1.3	-10	7.6	28	0.7	16740	30.3	29790	152	1.8
16-	45.7033-	114.5781-	2-	12-		0-L17421	78470	-0.06	689	6109	56	158	5.3	33	4.0	5	0.9	26530	17.9	28370	29	0.4
16-	45.7056-	114.5906-	2-	12-		0-L17422	70720	-0.06	541	7630	56	-125	3.3	21	5.2	7	0.8	17950	20.4	29560	31	0.6
16-	45.7083-	114.6011-	2-	12-		0-L17423	81590	-0.08	636	10210	119	-145	6.4	32	4.5	14	0.6	24490	13.3	24280	35	1.0
16-	45.7061-	114.6150-	2-	12-		0-L17424	79140	-0.07	659	9258	169	-107	4.9	17	3.8	10	1.2	22440	28.4	31910	96	0.7
16-	45.7033-	114.6192-	2-	12-		0-L17425	63940	-0.05	501	4938	129	-88	3.0	18	7.5	10	0.9	14920	25.1	27230	77	0.8
16-	45.5742-	114.9644-	2-	12-		0-L17426	72220	-0.11	598	17640	269	211	8.1	40	-2.1	10	2.3	39150	73.2	20610	135	0.6
16-	45.5731-	114.9656-	2-	12-		0-L17427	82540	-0.07	-147	5689	97	-126	-1.1	19	5.5	11	-0.2	17420	11.9	28940	34	0.7
16-	45.5719-	114.9658-	2-	12-		0-L17428	50480	-0.13	-242	19440	423	405	-2.1	-14	-2.5	20	1.0	23960	22.3	17710	222	0.9
16-	45.5925-	114.9528-	2-	11-		0-L17429	75710	-0.05	-149	8454	246	-127	3.8	16	3.8	9	0.9	23250	19.9	25150	113	0.6
16-	45.6069-	114.9372-	2-	11-		0-L17430	73310	-0.09	667	21390	78	-150	7.0	42	3.6	7	1.2	21460	13.4	16080	38	0.4
16-	45.6169-	114.9311-	2-	11-		0-L17431	73590	-0.11	595	20630	100	-140	5.7	55	2.9	9	1.2	21030	19.4	17560	59	0.6
16-	45.6350-	114.9108-	2-	11-		0-L17432	35640	-0.12	-176	11910	35	-130	-1.8	25	-2.5	3	0.4	11260	5.6	9261	-8	-0.1
16-	45.6194-	114.8464-	2-	11-		0-L17433	43920	-0.11	-192	17580	30	303	-1.7	37	-2.0	4	0.9	12700	11.6	9191	20	-0.1
16-	45.7356-	114.7506-	2-	12-		0-L17434	72090	-0.11	954	18990	465	364	5.9	-12	5.5	20	3.6	84550	97.9	23600	222	1.3
16-	45.7458-	114.7589-	2-	12-		0-L17435	80500	-0.11	501	14470	521	-146	4.9	-12	7.0	13	1.5	46050	56.3	26760	238	0.9
16-	45.7444-	114.7600-	2-	12-		0-L17436	73820	-0.09	640	18180	476	-117	7.9	38	2.8	10	1.6	36890	45.1	21730	231	0.6
16-	45.7344-	114.7586-	2-	15-		0-L17437	57590	-0.08	773	15070	401	-111	6.5	40	5.1	13	2.0	34780	72.7	25410	201	1.1
16-	45.4731-	115.6233-	2-	12-		0-L17438	83850	-0.07	811	14790	428	-155	1.6	25	-1.2	23	2.6	9991	9.2	24330	197	1.1
16-	45.4725-	115.6197-	2-	12-		0-L17439	84140	-0.09	739	16770	163	-142	-1.4	17	3.5	10	1.9	14810	4.8	21590	113	0.7
16-	45.4800-	115.6011-	2-	12-		0-L17440	86200	-0.07	904	13080	133	-139	-1.1	23	2.7	10	1.5	10680	3.3	22360	90	0.7
16-	45.4922-	115.5906-	2-	11-		0-L17441	85930	-0.07	931	16120	121	-150	3.0	-8	-1.3	7	1.4	16100	3.7	21970	96	0.5
16-	45.5006-	115.5842-	2-	11-		0-L17442	77340	-0.07	740	14790	71	-173	-1.3	10	2.9	6	1.1	10900	2.9	29650	44	0.3
16-	45.5094-	115.5778-	2-	11-		0-L17443	70180	-0.12	687	19640	130	-154	3.6	-14	4.0	10	2.0	13880	4.2	17490	112	0.7
16-	45.5147-	115.5553-	2-	11-		0-L17444	63320	-0.13	751	13790	93	-123	7.7	55	3.8	17	3.8	24850	11.0	17390	63	0.8
16-	45.9044-	114.7883-	2-	15-		0-L17445	79370	-0.08	1032	27410	246	-107	14.7	59	-1.7	8	1.9	49870	25.7	15860	111	0.6
16-	45.8981-	114.7778-	2-	12-		0-L17446	73410	-0.12	693	24970	246	-135	15.2	118	3.8	13	2.4	48460	36.7	14580	116	0.7
16-	45.8878-	114.7642-	2-	12-		0-L17447	65550	0.17	719	23860	1070	137	9.7	83	-2.1	18	3.2	59190	99.8	20330	527	1.3
16-	45.9217-	114.7394-	2-	12-		0-L17448	63300	-0.12	613	19930	1271	-117	10.1	77	-2.2	19	4.8	81280	150.2	15030	638	1.0
16-	45.9225-	114.7378-	2-	12-		0-L17449	73150	-0.09	661	14860	388	-129	7.8	61	3.9	13	1.5	39210	33.0	20360	199	0.6
16-	45.9228-	114.7389-	2-	12-		0-L17450	69360	-0.09	848	25170	536	-129	10.4	81	-1.8	11	2.5	55660	62.8	14030	265	0.6
16-	45.9114-	114.7403-	2-	12-		0-L17451	83430	-0.11	892	22570	269	-132	10.6	31	-2.2	10	1.8	37140	25.0	18860	131	0.6
16-	45.8997-	114.7492-	2-	11-		0-L17452	71810	-0.11	832	19730	277	227	13.8	73	-2.1	9	1.8	42130	24.4	16610	128	0.5
16-	45.9133-	114.7397-	2-	15-		0-L17453	95070	-0.09	1038	15200	124	236	15.9	50	3.5	-1	1.3	45320	14.6	19290	67	0.3
16-	45.9092-	114.7411-	2-	15-		0-L17454	79540	-0.11	717	18070	121	-120	14.0	129	2.9	6	1.4	42660	11.7	12520	61	0.2
16-	45.8844-	114.7619-	2-	15-		0-L17455	71590	-0.12	644	23380	218	213	25.6	104	3.0	12	1.8	52220	26.0	15420	100	0.7
16-	45.8761-	114.7594-	2-	12-		0-L17456	69350	-0.10	630	19570	237	-116	13.0	132	4.0	11	1.6	37290	40.4	22510	120	0.6
16-	45.8625-	114.7367-	2-	15-		0-L17457	74740	-0.10	798	27490	167	173	22.1	213	3.7	6	1.6	48840	22.4	18480	85	0.4
16-	45.8500-	114.7383-	2-	12-		0-L17458	70150	-0.09	629	23150	248	-123	15.1	113	-1.8	10	2.0	39770	32.2	14330	115	0.6
16-	45.8383-	114.7425-	2-	12-		0-L17459	45620	-0.17	451	26990	88	-149	10.5	69	-3.1	5	1.2	28300	17.3	18700	47	-0.2
16-	45.8300-	114.7533-	2-	15-		0-L17460	56030	-0.13	657	22670	400	-142	8.2	68	-2.5	11	2.7	41290	73.9	17600	192	0.7

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) — Concentrations reported in weight parts per million (ppm)															U/Th RATIO
		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-45.5972-114.7192-2-12-	0-L17410	14540	825	20560	86	-3	18.0	19.9	-289	-2	1	32.3	7390	100	7.7	159	0.382
16-45.5972-114.7167-2-12-	0-L17411	12620	795	24140	82	-3	13.5	15.2	-337	-2	-1	26.8	5594	72	6.1	-124	0.419
16-45.6000-114.7131-2-12-	0-L17412	9616	583	25940	77	-2	11.7	11.8	-268	-1	-1	19.6	4586	54	5.6	92	0.434
16-45.6822-115.0753-2-12-	0-L17413	-2167	652	24330	137	-2	5.9	15.3	-275	5	-1	34.0	3078	20	8.7	111	0.342
16-45.6747-115.0744-2-12-	0-L17414	7241	757	24500	121	-3	11.2	15.8	-320	-2	1	28.6	3830	45	8.9	154	0.415
16-45.6653-115.0953-2-12-	0-L17415	4824	813	19380	88	-3	7.4	26.4	-413	-2	2	46.0	4439	35	11.6	145	0.619
16-45.6456-115.1092-2-12-	0-L17416	6726	790	27500	-35	-2	11.3	27.1	-301	4	1	36.6	7476	40	9.5		0.268
16-45.6417-115.1219-2-12-	0-L17417	7892	735	24220	119	-2	11.6	23.4	-253	5	1	48.0	4558	46	9.7	124	0.392
16-45.6350-115.1150-2-12-	0-L17418	14840	566	23960	-34	-2	11.9	11.8	-268	-2	-1	27.6	3509	67	3.6	114	0.337
16-45.6942-114.5581-2-12-	0-L17419	3611	129	7274	89	-1	3.9	7.9	-131	-1		15.8	2025	19	6.0	-69	0.606
16-45.7025-114.5789-2-12-	0-L17420	-2032	482	24860	200	-2	4.3	46.4	-274	5	3	63.0	1774	25	20.6	-77	1.027
16-45.7033-114.5781-2-12-	0-L17421	4816	325	20140	137	-1	5.3	5.0	-184	3	-1	17.6	3055	46	5.0	297	0.316
16-45.7056-114.5906-2-12-	0-L17422	2643	359	24500	218	-2	5.5	6.4	-232	4	1	17.3	2497	33	5.5	151	0.395
16-45.7083-114.6011-2-12-	0-L17423	-2619	1654	22590	177	-2	5.9	7.8	-432	5	1	38.3	2544	40	10.4	284	0.262
16-45.7061-114.6150-2-12-	0-L17424	4365	376	27150	160	-2	7.0	18.5	-236	3	-1	35.8	3137	27	7.7	-32	0.479
16-45.7033-114.6192-2-12-	0-L17425	3247	249	20030	157	-1	4.4	12.9	-164	3	1	34.5	2071	21	8.4	67	0.549
16-45.5742-114.9644-2-12-	0-L17426	9045	1254	22430	-46	-3	12.7	15.6	-383	3	-1	26.8	7782	52	7.1	-69	0.334
16-45.5731-114.9655-2-12-	0-L17427	-2290	210	26110	172	-2	3.0	7.6	-267	4	-1	27.1	1171	24	9.1	99	0.301
16-45.5719-114.9658-2-12-	0-L17428	-2823	1157	17650	-50	-3	7.0	35.8	-485	-2	2	25.2	2727	19	11.6	228	0.716
16-45.5925-114.9528-2-11-	0-L17429	4489	826	27290	137	-2	5.2	15.1	-267	4	1	30.5	2492	22	6.5	109	0.233
16-45.6069-114.9372-2-11-	0-L17430	8839	552	21100	-38	-2	8.2	7.6	-302	-1	1	14.0	3400	50	4.0	-92	0.289
16-45.6169-114.9311-2-11-	0-L17431	7828	459	23020	-41	-3	8.9	10.8	-336	-2	-1	14.8	3657	48	5.4	-71	1.614
16-45.6350-114.9108-2-11-	0-L17432	3075	211	9878	-50	-3	5.2	-0.9	-314	-3	-1	-1.7	2223	36	-2.3	124	
16-45.6194-114.8464-2-11-	0-L17433	-2407	367	14420	-43	-3	6.4	3.7	-304	-2	-1	4.9	3588	44	-1.9	-99	1.982
16-45.7356-114.7506-2-12-	0-L17434	-2391	1452	23900	115	-3	22.0	33.4	-340	6	2	48.7	6710	30	14.8	359	0.205
16-45.7458-114.7589-2-12-	0-L17435	-2548	1059	27900	131	-3	9.8	25.2	-385	6	-1	41.9	4988	27	10.4	179	0.210
16-45.7444-114.7600-2-12-	0-L17436	7388	840	25390	98	-2	11.9	30.5	-289	3	1	51.0	7501	45	10.7	-18	0.310
16-45.7344-114.7586-2-15-	0-L17437	5056	693	23420	144	-2	9.7	23.0	-232	4	1	79.3	6115	47	10.6	106	0.252
16-45.4731-115.6233-2-12-	0-L17438	4305	374	35570	96	-2	3.1	33.0	-271	-2	2	64.1	1953	16	13.6	49	0.186
16-45.4725-115.6197-2-12-	0-L17439	-2542	586	29290	-34	-2	4.5	20.5	-343	-2	1	13.0	1891	-9	5.8	82	12.754
16-45.4800-115.6011-2-12-	0-L17440	-2422	456	34730	99	-2	3.3	15.6	-303	-1		18.8	1219	18	6.6	79	5.479
16-45.4922-115.5906-2-11-	0-L17441	-2493	630	31850	107	-2	3.7	-1.1	-294	-2		11.0	1469	-9	4.7	88	12.827
16-45.5006-115.5842-2-11-	0-L17442	-2768	523	30030	112	-2	2.7	8.1	727	2	-1	9.9	-749	-10	3.3	125	3.195
16-45.5094-115.5778-2-11-	0-L17443	-2786	751	19770	70	-3	4.9	19.8	-414	-2	-1	9.4	-1011	30	5.7	-26	20.106
16-45.5147-115.5553-2-11-	0-L17444	6904	677	11490	-50	-4	9.2	14.6	-376	-2	2	9.8	3404	49	8.3	-40	2.145
16-45.9044-114.7883-2-15-	0-L17445	11830	639	19360	100	-2	12.1	13.8	-238	-2	-1	29.6	4773	110	6.1	101	0.135
16-45.8981-114.7778-2-12-	0-L17446	14190	751	15650	-51	-3	15.4	20.8	-313	-2	-1	33.3	5043	95	7.5	183	0.202
16-45.8878-114.7642-2-12-	0-L17447	8093	857	23910	-44	-3	11.6	59.1	598	-2	2	125.7	7659	94	13.0	-170	0.088
16-45.9217-114.7394-2-12-	0-L17448	11560	1073	22070	-45	-3	14.1	80.1	-310	-2	2	151.4	10570	101	22.0	-55	0.081
16-45.9225-114.7378-2-12-	0-L17449	5125	714	21920	94	-2	9.6	21.6	-284	-2	1	44.5	4512	49	7.5	-137	0.352
16-45.9228-114.7389-2-12-	0-L17450	10840	904	24100	-41	-2	13.2	30.1	595	-2	1	55.2	5613	66	6.1	130	0.106
16-45.9114-114.7403-2-12-	0-L17451	8553	594	22410	-45	-3	10.3	14.8	-328	-2	-1	32.2	4598	74	6.5	-107	0.129
16-45.8997-114.7492-2-11-	0-L17452	10700	515	19800	-42	-3	10.1	17.6	-298	-2	-1	35.7	4324	91	6.4		0.135
16-45.9133-114.7397-2-15-	0-L17453	10130	969	16670	-39	-2	11.4	-0.7	-288	-2	-1	14.3	6299	99	2.3	160	0.167
16-45.9092-114.7411-2-15-	0-L17454	9859	1182	8954	-47	-3	13.2	9.0	-361	-2	-1	15.6	3533	77	3.8	173	0.667
16-45.8844-114.7619-2-15-	0-L17455	26310	933	12510	105	-3	18.2	14.2	-315	-2	-1	33.2	4484	108	9.2	-51	0.256
16-45.8761-114.7594-2-12-	0-L17456	15240	790	21790	107	-3	14.5	16.8	-303	-2	-1	38.9	4790	70	7.2	-44	0.314
16-45.8625-114.7357-2-15-	0-L17457	22380	875	16000	117	-3	18.4	9.7	-270	-2	-1	26.3	5000	117	4.3	158	0.270
16-45.8500-114.7383-2-12-	0-L17458	18530	673	18990	-40	-2	13.3	16.7	371	-2	-1	37.0	4345	83	5.8	80	0.196
16-45.8383-114.7425-2-12-	0-L17459	11370	741	11920	-63	-4	10.4	5.4	-467	-2	-1	12.0	3969	55	-3.1	203	1.330
16-45.8300-114.7533-2-15-	0-L17460	9575	1369	17070	-49	-3	12.5	25.2	-439	-2	-1	43.2	6622	54	10.2	-39	0.167

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																							U CONCENTRATION
							TIME SAMPLED																						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	LUMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU,ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.8283-	114.7553-	2-	15-		0-L17461-	08/09/79-	17-	28-	-3-	-	-	-	-	-	-1-	7-	4-	8-	-1-	-2-	1-	3-	4-	1-	-1-	-	-	-	-	19.42
16-	45.8261-	114.7533-	2-	12-		0-L17462-	08/09/79-	17-	29-	14.3-	-	-	8.0-	71-	3-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	12.94
16-	45.7281-	114.7319-	2-	15-		0-L17463-	07/09/79-	15-	30-	-	-	-	-	-	-	20-	2-	6-	2-	1-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	74.94
16-	45.7178-	114.7214-	2-	12-		0-L17464-	08/09/79-	15-	30-	12.2-	-	-	8.0-	33-	15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	39.99
16-	45.7144-	114.7206-	2-	12-		0-L17465-	08/09/79-	16-	30-	13.1-	-	-	7.9-	43-	20-	2-	6-	3-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	21.41
16-	45.7089-	114.7219-	2-	12-		0-L17466-	08/09/79-	16-	29-	11.6-	-	-	8.1-	49-	-2-	6-	5-	8-	2-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	-	19.77
16-	45.7025-	114.7169-	2-	12-		0-L17467-	08/09/79-	16-	29-	11.9-	-	-	8.0-	50-	17-	2-	6-	3-	6-	2-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	25.88
16-	45.7028-	114.7144-	2-	11-		0-L17468-	08/09/79-	17-	29-	16.6-	-	-	7.1-	99-	12-	2-	6-	5-	8-	2-	3-	1-	-1-	3-	5-	1-	-1-	-	-	-	-	-	45.84
16-	45.7069-	114.7175-	2-	12-		0-L17469-	08/09/79-	17-	29-	16.7-	-	-	7.9-	35-	17-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	25.12
16-	45.7081-	114.7172-	2-	12-		0-L17470-	08/09/79-	17-	28-	19.2-	-	-	7.9-	39-	15-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	22.50
16-	45.7136-	114.7000-	2-	12-		0-L17471-	08/09/79-	18-	27-	14.1-	-	-	7.8-	90-	25-	2-	6-	5-	6-	2-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	27.58
16-	45.7053-	114.6956-	2-	15-		0-L17472-	08/09/79-	18-	27-	-	-	-	-	-	15-	2-	6-	2-	1-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	33.30
16-	45.6978-	114.6694-	2-	12-		0-L17473-	08/09/79-	18-	27-	14.9-	-	-	8.0-	61-	15-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	5-	1-	-1-	-	-	-	-	38.43
16-	45.6964-	114.6497-	2-	11-		0-L17474-	08/09/79-	19-	26-	10.9-	-	-	7.8-	105-	10-	2-	6-	5-	7-	2-	2-	4-	-1-	3-	5-	1-	-1-	-	-	-	-	-	242.10
16-	45.7019-	114.6369-	2-	12-		0-L17475-	08/09/79-	19-	26-	11.6-	-	-	7.9-	45-	20-	2-	6-	3-	6-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	42.14
16-	45.6925-	114.6561-	2-	12-		0-L17476-	08/09/79-	19-	26-	17.8-	-	-	7.8-	34-	15-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	5-	1-	-1-	-	-	-	-	19.86
16-	45.6917-	114.6569-	2-	15-		0-L17477-	08/09/79-	19-	26-	-	-	-	-	-	10-	2-	6-	5-	8-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	170.70
16-	45.7317-	114.7378-	2-	11-		0-L17478-	08/09/79-	19-	26-	17.1-	-	-	7.9-	135-	20-	2-	6-	5-	8-	2-	2-	1-	-1-	3-	5-	1-	-9-	-	-	-	-	-	6.85
16-	45.8228-	114.7556-	2-	15-		0-L17479-	08/09/79-	18-	29-	-3-	-	-	-	-	-1-	7-	4-	8-	-1-	-2-	1-	3-	4-	1-	-1-	-	-	-	-	-	-	9.37
16-	45.8167-	114.7600-	2-	12-		0-L17480-	08/09/79-	18-	29-	15.1-	-3-	-	8.2-	36-	-1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	16.28
16-	45.8033-	114.7606-	2-	15-		0-L17481-	08/09/79-	18-	29-	-	-	-	-	-	12-	1-	7-	4-	8-	-1-	-2-	1-	3-	4-	1-	-1-	-	-	-	-	-	27.89
16-	45.8000-	114.7625-	2-	12-		0-L17482-	08/09/79-	19-	29-	15.5-	-3-	-	8.0-	30-	-1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	-	24.61
16-	45.8686-	114.7281-	2-	12-		0-L17483-	08/10/79-	15-	29-	14.3-	-	-	8.3-	147-	4-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	5.42
16-	45.8686-	114.7217-	2-	11-		0-L17484-	08/10/79-	16-	29-	23.5-	-	-	8.2-	233-	7-	1-	7-	5-	8-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	8.59
16-	45.8814-	114.7033-	2-	12-		0-L17485-	08/10/79-	17-	29-	15.2-	-	-	8.5-	59-	11-	2-	6-	4-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	6.46
16-	45.8839-	114.6961-	2-	12-		0-L17486-	08/10/79-	17-	29-	15.3-	-	-	8.4-	12-	12-	2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	3-	2-	-1-	-	-	-	-	9.23
16-	45.8842-	114.6744-	2-	12-		0-L17487-	08/10/79-	17-	28-	14.9-	-3-	-	8.2-	44-	11-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	4.33
16-	45.8831-	114.6733-	2-	12-		0-L17488-	08/10/79-	18-	28-	14.1-	-	-	8.1-	41-	11-	1-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-9-	-	-	-	-	10.96
16-	45.8811-	114.6567-	2-	12-		0-L17489-	08/10/79-	18-	28-	14.2-	-3-	-	7.9-	61-	11-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	4.65
16-	45.8831-	114.6492-	2-	11-		0-L17490-	08/10/79-	19-	27-	14.9-	-3-	-	7.9-	56-	12-	1-	7-	5-	8-	2-	2-	1-	-1-	3-	4-	3-	-1-	-	-	-	-	-	4.52
16-	45.8819-	114.6467-	2-	12-		0-L17491-	08/10/79-	19-	28-	14.8-	-3-	-	7.9-	109-	11-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	11.01
16-	45.8839-	114.6392-	2-	12-		0-L17492-	08/10/79-	19-	28-	14.5-	-3-	-	7.9-	24-	10-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	3.62
16-	45.8886-	114.6139-	2-	11-		0-L17493-	08/10/79-	20-	27-	11.4-	-3-	-	7.7-	24-	-1-	7-	5-	8-	2-	-1-	-1-	3-	4-	3-	-1-	-	-	-	-	-	-	4.03
16-	45.8947-	114.5908-	2-	12-		0-L17494-	08/11/79-	6-	19-	11.3-	-	-	8.0-	22-	20-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-9-	-	-	-	-	4.77
16-	45.8872-	114.6119-	2-	12-		0-L17495-	09/11/79-	5-	25-	12.6-	-3-	-	8.3-	13-	12-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	12.69
16-	45.8803-	114.5889-	2-	12-		0-L17496-	08/11/79-	6-	26-	11.6-	-3-	-	7.9-	19-	11-	1-	7-	5-	6-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	12.97
16-	45.8817-	114.5708-	2-	11-		0-L17497-	08/11/79-	6-	27-	12.0-	-3-	-	8.1-	61-	6-	1-	7-	5-	8-	2-	2-	1-	-1-	3-	4-	3-	-1-	-	-	-	-	-	10.40
16-	45.8836-	114.5614-	2-	12-		0-L17498-	08/11/79-	6-	27-	11.4-	-3-	-	8.0-	31-	18-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	12.63
16-	45.8842-	114.5436-	2-	12-		0-L17499-	08/11/79-	7-	26-	11.1-	-3-	-	7.9-	21-	9-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	8.97
16-	45.8836-	114.5281-	2-	12-		0-L17500-	08/11/79-	7-	26-	10.8-	-3-	-	7.6-	17-	11-	1-	6-	5-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	4.28
16-	45.8814-	114.5097-	2-	12-		0-L17501-	08/11/79-	8-	26-	9.4-	-3-	-	7.7-	15-	15-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	7.42
16-	45.8767-	114.4861-	2-	12-		0-L17502-	08/11/79-	8-	26-	12.3-	-3-	-	7.5-	3-	9-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-9-	-	-	-	-	4.44
16-	45.8817-	114.4600-	2-	12-		0-L17503-	08/11/79-	9-	27-	10.6-	-3-	-	7.5-	4-	12-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-9-	-	-	-	-	5.61
16-	45.8867-	114.4478-	2-	12-		0-L17504-	08/11/79-	9-	27-	12.7-	-3-	-	7.5-	11-	6-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-9-	-	-	-	-	4.53
16-	45.8853-	114.4414-	2-	12-		0-L17505-	08/11/79-	9-	28-	6.9-	-3-	-	7.7-	9-	10-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	3-	-9-	-	-	-	-	143.10
16-	45.8856-	114.4400-	2-	12-		0-L17506-	08/11/79-	10-	28-	10.8-	-3-	-	7.5-	3-	12-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	3-	-9-	-	-	-	-	17.77
16-	45.8769-	114.4678-	2-	15-		0-L17507-	08/11/79-	10-	29-	-3-	-	-	-	-	13-	1-	7-	4-	8-	-1-	-2-	1-	3-	4-	3-	-9-	-	-	-	-	-	13.90
16-	45.8794-	114.5006-	2-	11-		0-L17508-	08/11/79-	11-	28-	11.4-	-3-	-	7.3-	20-	9-	1-	7-	5-	8-	2-	2-	1-	-1-	3-	4-	3-	-1-	-	-	-	-	-	4.15
16-	45.8839-	114.6011-	2-	12-		0-L17509-	08/11/79-	11-	30-	15.9-	-3-	-	7.9-	30-	-1-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	3-	-9-	-	-	-	-	-	5.19
16-	45.8839-	114.6217-	2-	12-		0-L17510-	08/11/79-	16-	29-	12.4-	-3-	-	7.5-	18-	12-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-9-	-	-	-	-	-	2.75
16-	45.7722-	114.7792-	2-	12-		0-L17511-	08/13/79-	10-	25-	12.9-	-	-	7.3-	12-	25-	2-	7-	4-	8-	3-	3-	1-	2-	1-	3-	4-	4-	-1-	-	-	-	-	-	27.66

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.8283-	114.7553-	2-	15-	0-	L17461	-5	-5	-5	-10	25	34	-5	-10	20	11	-5	8742	-1	71
16-	45.8261-	114.7533-	2-	12-	0-	L17462	9	6	-5	17	-20	41	5	-10	18	9	-5	2765	3	46
16-	45.7291-	114.7319-	2-	15-	0-	L17463	-5	7	-5	46	-20	17	10	-10	19	6	-5	505	3	114
16-	45.7178-	114.7214-	2-	12-	0-	L17464	-5	18	-5	-10	52	18	-5	-10	27	16	-5	3283	4	44
16-	45.7144-	114.7206-	2-	12-	0-	L17465	-5	12	-5	-10	22	-15	7	-10	-15	13	-5	1778	3	117
16-	45.7089-	114.7219-	2-	12-	0-	L17466	-5	5	-5	16	-20	-15	6	-10	-15	6	-5	988	4	49
16-	45.7025-	114.7169-	2-	12-	0-	L17467	-5	10	-5	20	-20	16	15	-10	-15	6	-5	1070	4	48
16-	45.7028-	114.7144-	2-	11-	0-	L17468	-5	9	-5	13	26	-15	-5	-10	-15	11	-5	1617	-1	143
16-	45.7069-	114.7175-	2-	12-	0-	L17469	5	13	-5	-10	56	20	8	-10	-15	8	-5	2943	3	91
16-	45.7081-	114.7172-	2-	12-	0-	L17470	-5	15	-5	-10	-20	-15	8	-10	-15	10	-5	1045	4	48
16-	45.7136-	114.7000-	2-	12-	0-	L17471	-5	7	-5	21	-20	-15	17	-10	-15	5	-5	579	4	91
16-	45.7053-	114.6856-	2-	15-	0-	L17472	-5	9	-5	12	-20	-15	11	-10	-15	9	-5	371	4	97
16-	45.6978-	114.6694-	2-	12-	0-	L17473	-5	25	-5	-10	-20	-15	-5	-10	18	23	-5	1670	-1	49
16-	45.6964-	114.6497-	2-	11-	0-	L17474	-5	17	-5	55	-20	-15	14	-10	-15	9	-5	464	4	169
16-	45.7019-	114.6369-	2-	12-	0-	L17475	-5	14	-5	19	-20	-15	14	-10	-15	11	-5	460	4	94
16-	45.6925-	114.6561-	2-	12-	0-	L17476	-5	9	-5	-10	-20	-15	-5	12	-15	10	-5	1133	6	46
16-	45.6917-	114.6569-	2-	15-	0-	L17477	-5	7	-5	26	-20	16	7	-10	-15	6	-5	292	3	148
16-	45.7317-	114.7378-	2-	11-	0-	L17478	5	-5	-5	16	25	17	-5	10	-15	6	-5	1280	2	49
16-	45.8228-	114.7556-	2-	15-	0-	L17479	16	10	-5	-10	-20	-15	-5	-10	15	20	-5	4229	-1	99
16-	45.8167-	114.7600-	2-	12-	0-	L17480	15	-5	-5	-10	43	-15	-5	-10	17	15	-5	4752	4	40
16-	45.8033-	114.7606-	2-	15-	0-	L17481	-5	14	-5	18	37	-15	11	10	-15	9	-5	1607	4	93
16-	45.8000-	114.7625-	2-	12-	0-	L17482	25	17	-5	-10	156	16	-5	-10	16	21	-5	6544	6	47
16-	45.8686-	114.7281-	2-	12-	0-	L17483	-5	10	-5	26	-20	25	12	-10	-15	8	-5	474	2	34
16-	45.8686-	114.7217-	2-	11-	0-	L17484	-5	7	-5	27	-20	39	5	-10	-15	7	-5	622	-1	42
16-	45.8814-	114.7033-	2-	12-	0-	L17485	-5	9	-5	12	-20	-15	9	-10	-15	6	-5	832	1	28
16-	45.8839-	114.6961-	2-	12-	0-	L17486	-5	10	-5	14	-20	-15	10	-10	18	8	-5	533	-1	33
16-	45.8842-	114.6744-	2-	12-	0-	L17487	-5	5	-5	10	-20	-15	7	-10	15	-5	-5	456	1	33
16-	45.8831-	114.6733-	2-	12-	0-	L17488	-5	12	-5	27	-20	-15	-5	-10	15	8	-5	897	-1	20
16-	45.8811-	114.6567-	2-	12-	0-	L17489	-5	10	-5	21	-20	13	7	-10	-15	7	-5	471	1	31
16-	45.8831-	114.6492-	2-	11-	0-	L17490	-5	9	-5	20	-20	-15	15	-10	-15	-5	-5	453	1	30
16-	45.8819-	114.6467-	2-	12-	0-	L17491	-5	-5	-5	30	-20	-15	5	-10	-15	5	-5	128	-1	19
16-	45.8839-	114.6392-	2-	12-	0-	L17492	-5	9	-5	17	-20	-15	14	-10	-15	7	-5	374	2	24
16-	45.8886-	114.6139-	2-	11-	0-	L17493	-5	7	-5	13	-20	-15	5	-10	24	8	-5	400	2	14
16-	45.8947-	114.5908-	2-	12-	0-	L17494	-5	9	-5	-10	-20	-15	15	-10	-15	-5	-5	340	2	17
16-	45.8872-	114.6119-	2-	12-	0-	L17495	-5	15	-5	13	-20	23	-5	-10	20	13	-5	1250	1	16
16-	45.8803-	114.5889-	2-	12-	0-	L17496	-5	18	-5	12	-20	19	-5	-10	15	16	-5	1205	2	17
16-	45.8817-	114.5708-	2-	11-	0-	L17497	-5	9	-5	49	-20	27	-5	-10	20	-5	-5	659	1	23
16-	45.8836-	114.5614-	2-	12-	0-	L17498	-5	7	-5	20	-20	22	6	-10	-15	7	-5	218	2	22
16-	45.8842-	114.5436-	2-	12-	0-	L17499	-5	9	-5	11	-20	-15	10	-10	-15	-5	-5	380	2	20
16-	45.8836-	114.5281-	2-	12-	0-	L17500	-5	9	-5	13	-20	-15	14	-10	-15	-5	-5	312	1	22
16-	45.8814-	114.5097-	2-	12-	0-	L17501	-5	9	-5	16	-20	-15	12	-10	-15	-5	-5	321	2	24
16-	45.8767-	114.4861-	2-	12-	0-	L17502	-5	-5	-5	12	-20	-15	19	-10	-15	-5	-5	270	3	32
16-	45.8817-	114.4600-	2-	12-	0-	L17503	-5	9	-5	12	-20	-15	11	-10	-15	7	-5	262	3	32
16-	45.8867-	114.4478-	2-	12-	0-	L17504	-5	5	-5	14	-20	-15	13	-10	-15	-5	-5	305	2	23
16-	45.8853-	114.4414-	2-	12-	0-	L17505	-5	-5	-5	29	-20	-15	5	-10	-15	7	-5	96	2	4
16-	45.8856-	114.4400-	2-	12-	0-	L17506	-5	15	-5	16	-20	-15	18	-10	18	7	-5	496	2	26
16-	45.8769-	114.4678-	2-	15-	0-	L17507	-5	7	-5	11	-20	-15	9	-10	-15	8	-5	219	2	24
16-	45.8794-	114.5006-	2-	11-	0-	L17508	-5	-5	-5	12	-20	-15	8	-10	-15	-5	-5	378	2	26
16-	45.8839-	114.6011-	2-	12-	0-	L17509	-5	6	-5	20	-20	25	10	-10	-15	-5	-5	939	-1	24
16-	45.8839-	114.6217-	2-	12-	0-	L17510	-5	6	-5	12	-20	-15	17	-10	-15	-5	-5	339	1	22
16-	45.7722-	114.7792-	2-	12-	0-	L17511	-5	14	-5	-10	43	-15	11	-10	16	14	-5	2744	7	49

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
							Concentrations reported in weight parts per million (ppm)															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.8283-	114.7553-2-15-				0-L17461	58990	-0.13	1329	23500	261	299	9.0	39	-2.3	13	3.6	74150	278.3	15150	129	1.4
16-	45.8261-	114.7533-2-12-				0-L17462	69640	-0.12	873	24900	264	-153	14.1	166	3.6	11	2.8	61110	85.3	23110	134	0.8
16-	45.7281-	114.7319-2-15-				0-L17463	84400	-0.12	709	18420	229	-115	8.7	26	9.8	16	3.4	42450	19.4	18660	140	1.2
16-	45.7178-	114.7214-2-12-				0-L17464	66820	-0.12	556	16190	574	-127	5.7	44	5.2	18	3.0	40740	119.1	22770	309	1.7
16-	45.7144-	114.7206-2-12-				0-L17465	81700	-0.09	875	22630	353	210	5.5	-10	4.2	12	2.2	42250	61.2	22250	166	0.8
16-	45.7089-	114.7219-2-12-				0-L17466	68980	-0.08	711	19100	248	-131	7.9	43	6.3	11	1.7	33370	37.2	28950	131	0.8
16-	45.7025-	114.7169-2-12-				0-L17467	71010	-0.11	703	13770	179	-139	4.0	-13	8.8	10	1.5	27360	43.4	22860	99	0.7
16-	45.7028-	114.7144-2-11-				0-L17468	55830	-0.12	532	23110	263	-139	9.1	-14	4.6	11	1.8	51030	51.2	18420	136	1.0
16-	45.7069-	114.7175-2-12-				0-L17469	59530	-0.10	921	23240	459	-133	9.3	64	4.2	15	2.5	43840	103.7	20560	263	1.2
16-	45.7081-	114.7172-2-12-				0-L17470	51630	-0.07	417	6696	517	-108	3.7	-9	6.4	17	1.6	21930	48.6	28820	242	1.2
16-	45.7136-	114.7000-2-12-				0-L17471	87910	-0.10	699	18940	268	-135	7.6	35	6.9	11	1.7	35340	21.2	21770	134	0.8
16-	45.7053-	114.6856-2-15-				0-L17472	91650	-0.09	776	13230	423	-124	4.6	-10	8.0	17	2.3	26950	14.4	31720	231	0.8
16-	45.6978-	114.6694-2-12-				0-L17473	81550	-0.10	819	17170	1729	-127	5.4	-12	3.0	36	2.5	28240	69.7	28960	876	1.4
16-	45.6964-	114.6497-2-11-				0-L17474	85850	-0.11	513	18010	430	-144	6.2	33	8.4	18	1.9	31360	17.0	29360	260	1.6
16-	45.7019-	114.6369-2-12-				0-L17475	85070	-0.09	691	15730	663	-130	5.0	-12	4.0	18	1.6	21020	16.6	26390	322	1.1
16-	45.6925-	114.6561-2-12-				0-L17476	60770	-0.07	404	5834	254	-91	3.5	19	7.9	14	1.5	15690	47.8	28010	136	1.1
16-	45.6917-	114.6569-2-15-				0-L17477	55190	-0.10	530	18280	185	-112	5.2	44	5.9	12	0.7	15580	12.3	21270	135	1.0
16-	45.7317-	114.7378-2-11-				0-L17478	77350	-0.11	710	26020	174	-150	20.0	35	3.7	10	2.3	72520	44.4	17110	80	0.7
16-	45.8228-	114.7556-2-15-				0-L17479	56450	-0.16	1363	27000	306	317	11.0	-17	-2.9	13	3.5	72800	139.8	18380	138	1.3
16-	45.8167-	114.7600-2-12-				0-L17480	52450	-0.15	943	24320	349	209	10.2	-17	-2.9	16	3.3	63220	163.0	19500	168	1.2
16-	45.8033-	114.7606-2-15-				0-L17481	79520	-0.12	526	12560	550	-135	5.4	-14	5.0	22	1.7	35820	83.7	24140	285	1.8
16-	45.8000-	114.7625-2-12-				0-L17482	55990	-0.15	432	21760	1046	291	9.8	-18	-2.7	24	3.3	72640	256.9	14140	531	2.8
16-	45.8586-	114.7281-2-12-				0-L17483	79970	-0.09	1011	20290	168	-128	11.8	69	-1.8	8	1.3	36190	16.2	20220	92	0.4
16-	45.8686-	114.7217-2-11-				0-L17484	74580	-0.11	663	21900	268	-138	15.8	89	-2.2	12	1.7	43660	23.9	20960	125	0.6
16-	45.8814-	114.7033-2-12-				0-L17485	77590	-0.11	855	15710	432	-132	8.5	34	-2.0	10	1.7	33050	31.3	22690	209	0.6
16-	45.8839-	114.6961-2-12-				0-L17486	75830	-0.09	987	16600	419	-131	6.6	35	-1.7	8	1.8	25860	20.3	18220	205	0.4
16-	45.8842-	114.6744-2-12-				0-L17487	83160	-0.09	1137	17970	279	-124	7.1	40	-1.4	6	1.6	29170	16.2	19400	140	0.3
16-	45.8831-	114.6733-2-12-				0-L17488	71850	-0.12	665	22190	677	-133	11.1	67	-2.1	25	3.2	42720	41.4	14270	315	1.3
16-	45.8811-	114.6567-2-12-				0-L17489	85910	-0.12	839	18330	286	-137	12.9	45	-2.3	8	2.1	37290	17.6	16170	141	0.3
16-	45.8831-	114.6492-2-11-				0-L17490	88340	-0.11	954	17950	367	-135	10.0	38	-2.1	8	2.1	33260	20.4	19160	175	0.3
16-	45.8819-	114.6467-2-12-				0-L17491	57470	-0.12	-331	21130	68	-151	5.5	-11	-2.2	5	1.9	30600	2.9	-8239	46	0.3
16-	45.8839-	114.6392-2-12-				0-L17492	83490	-0.08	1002	17870	398	-146	7.6	29	2.0	7	1.9	28490	14.7	17580	203	0.3
16-	45.8886-	114.6139-2-11-				0-L17493	80850	-0.10	973	16040	333	-134	7.6	37	-1.9	8	1.7	24130	16.1	23350	165	0.3
16-	45.8947-	114.5908-2-12-				0-L17494	79270	-0.09	884	15050	514	-131	4.5	41	-1.6	9	2.1	24150	15.1	15920	268	0.2
16-	45.8872-	114.6119-2-12-				0-L17495	59230	-0.10	869	23360	954	-120	10.4	64	-1.8	19	3.1	37510	45.6	14430	484	0.7
16-	45.8803-	114.5889-2-12-				0-L17496	59400	-0.11	862	20060	899	-140	8.6	68	-2.1	23	3.1	28170	47.0	17090	419	1.2
16-	45.8817-	114.5708-2-11-				0-L17497	75510	-0.13	512	28200	303	221	14.3	137	-2.5	11	1.6	47290	29.2	17260	135	0.8
16-	45.8836-	114.5614-2-12-				0-L17498	76490	-0.13	462	18110	338	-119	7.7	50	-2.5	14	3.0	24090	8.6	11280	182	0.4
16-	45.8842-	114.5436-2-12-				0-L17499	83090	-0.08	813	19420	405	-127	7.0	24	-1.7	13	1.9	26070	14.7	19910	204	0.5
16-	45.8836-	114.5281-2-12-				0-L17500	84460	-0.09	872	18500	208	-161	4.9	-9	-1.7	6	1.7	20440	12.1	19860	109	0.3
16-	45.8814-	114.5097-2-12-				0-L17501	82640	-0.08	853	21360	259	-139	4.3	20	3.0	5	1.5	17350	11.5	17600	133	0.3
16-	45.8767-	114.4861-2-12-				0-L17502	86160	-0.08	1150	14090	168	-122	4.8	21	2.9	4	1.3	19770	9.9	21520	86	0.2
16-	45.8917-	114.4600-2-12-				0-L17503	80690	-0.06	1202	20200	216	-127	4.7	21	2.0	5	1.5	15390	10.0	19960	113	0.3
16-	45.8867-	114.4478-2-12-				0-L17504	81030	-0.08	975	17210	220	-158	4.3	-9	2.1	6	1.6	16880	11.9	17940	114	0.3
16-	45.8853-	114.4414-2-12-				0-L17505	81470	-0.16	391	27730	131	391	3.3	-17	-2.9	10	3.2	5053	-1.8	-3824	130	0.8
16-	45.8856-	114.4400-2-12-				0-L17506	70130	-0.11	694	15710	500	-142	7.9	31	-2.0	12	2.3	25790	19.4	13130	248	0.6
16-	45.8769-	114.4678-2-15-				0-L17507	59780	-0.09	757	17470	120	250	5.7	19	-1.7	4	1.3	17290	6.8	16450	70	0.2
16-	45.8794-	114.5006-2-11-				0-L17508	79770	-0.08	820	19450	265	-155	5.6	28	-1.6	6	1.9	21880	14.1	18230	122	0.2
16-	45.8839-	114.6011-2-12-				0-L17509	69340	-0.11	853	29430	327	-112	16.0	117	-2.0	7	1.8	44040	35.3	13670	162	0.6
16-	45.8839-	114.6217-2-12-				0-L17510	84190	-0.09	1247	17500	251	-149	6.6	18	-1.7	5	1.5	23550	13.3	20280	121	0.3
16-	45.7722-	114.7792-2-12-				0-L17511	71390	-0.09	-154	10930	597	-129	3.2	-11	4.0	20	2.0	29100	119.1	26300	306	2.1

APPENDIX I-B. (continued): Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.8283-	114.7553-	2-	15-		0-L17461	6851	1770	21340	-47	-3	20.4	15.7	-376	5	-1	30.2	18380	57	13.9	192	0.643
16-	45.8261-	114.7533-	2-	12-		0-L17462	16240	1709	21450	92	-3	21.0	19.5	-356	-2	-1	25.2	8814	79	6.5	279	0.513
16-	45.7281-	114.7319-	2-	15-		0-L17463	4724	990	15800	100	-3	14.3	24.2	-353	-2	-1	30.3	3538	49	9.9	256	2.473
16-	45.7178-	114.7214-	2-	12-		0-L17464	-2234	970	20440	107	-3	10.5	44.8	-356	7	-1	123.3	10890	59	17.7	206	0.324
16-	45.7144-	114.7206-	2-	12-		0-L17465	4449	943	29790	129	-2	12.2	19.7	-275	4	1	69.1	5957	39	6.7	168	0.310
16-	45.7089-	114.7219-	2-	12-		0-L17466	7084	616	24050	142	-2	10.7	18.5	-262	3	1	36.1	4579	48	8.2	103	0.548
16-	45.7025-	114.7169-	2-	12-		0-L17467	4093	701	23830	144	-3	7.7	16.2	-359	-2	-1	37.9	4686	29	9.0	109	0.683
16-	45.7028-	114.7144-	2-	11-		0-L17468	-2426	1017	20040	-48	-3	12.0	17.4	-386	-2	-1	28.6	6727	45	8.1	-74	1.603
16-	45.7069-	114.7175-	2-	12-		0-L17469	8152	1055	23910	-39	-2	12.9	25.1	-296	5	1	70.8	9781	70	12.5	119	0.355
16-	45.7081-	114.7172-	2-	12-		0-L17470	3571	330	20680	174	-2	4.8	33.4	-203	4	2	145.9	3789	41	10.6	82	0.154
16-	45.7136-	114.7000-	2-	12-		0-L17471	5837	956	23950	166	-3	10.3	20.6	-358	-2	-1	57.4	4280	44	8.8	171	0.480
16-	45.7053-	114.6856-	2-	15-		0-L17472	5273	639	25780	188	-2	7.8	45.2	-296	-2	2	106.2	3203	36	15.8		0.314
16-	45.6978-	114.6694-	2-	12-		0-L17473	5063	647	29810	181	-2	8.0	98.4	-256	5	5	532.3	9072	44	19.6	74	0.072
16-	45.6954-	114.6497-	2-	11-		0-L17474	7555	514	24360	193	-3	10.7	45.9	-296	4	-1	101.9	3355	52	9.7	132	2.376
16-	45.7019-	114.6369-	2-	12-		0-L17475	-2295	613	27550	171	-2	5.0	45.5	-297	-2	2	180.0	3545	32	8.0	174	0.234
16-	45.6925-	114.6561-	2-	12-		0-L17476	4103	262	19670	134	-2	4.5	25.2	-205	3	1	73.2	3455	25	11.8	-38	0.271
16-	45.6917-	114.6569-	2-	15-		0-L17477	7904	227	15570	113	-3	7.6	-1.4	-224	-2	-1	33.2	2518	48	7.3	-50	5.142
16-	45.7317-	114.7378-	2-	11-		0-L17478	12300	1124	23370	114	-3	19.3	14.0	-339	5	-1	21.1	14140	156	8.2	117	0.325
16-	45.8228-	114.7556-	2-	15-		0-L17479	5391	1656	20440	-54	-4	20.4	21.3	-463	5	-1	28.6	11260	60	10.0	-64	0.328
16-	45.8167-	114.7600-	2-	12-		0-L17480	6334	1225	19770	-63	-4	17.9	22.1	-415	-3	-1	38.0	11770	40	10.7	188	0.428
16-	45.8033-	114.7606-	2-	15-		0-L17481	-2369	738	25260	164	-3	8.7	40.6	-335	6	2	76.5	4835	38	18.2	183	0.365
16-	45.8000-	114.7625-	2-	12-		0-L17482	8621	1760	23090	-53	-4	20.1	65.8	-440	12	2	109.7	19740	63	23.2	269	0.224
16-	45.8686-	114.7281-	2-	12-		0-L17483	12300	792	19310	91	-2	10.4	10.6	-294	-2	-1	27.8	4331	81	6.3	63	0.195
16-	45.8686-	114.7217-	2-	11-		0-L17484	18540	712	17490	134	-3	13.6	18.8	-313	-2	-1	42.9	4412	92	7.0	90	0.200
16-	45.8814-	114.7033-	2-	12-		0-L17485	6345	632	23700	97	-3	7.8	20.9	-329	-2	-1	48.2	4079	64	7.3	138	0.134
16-	45.8839-	114.6961-	2-	12-		0-L17486	5653	501	25890	-37	-2	5.5	24.3	680	-2	-1	48.8	3936	44	8.9	125	0.189
16-	45.8842-	114.6744-	2-	12-		0-L17487	8117	348	28190	-31	-2	7.0	15.1	625	-1	-1	36.2	4016	59	2.2	89	0.120
16-	45.8831-	114.6733-	2-	12-		0-L17488	10110	628	15840	-48	-3	11.9	43.6	535	-3	2	94.9	3899	82	11.3	120	0.115
16-	45.8811-	114.6567-	2-	12-		0-L17489	9333	565	22640	-43	-3	10.1	16.4	611	-2	-1	31.7	4366	66	5.8	166	0.147
16-	45.8831-	114.6492-	2-	11-		0-L17490	8023	576	22270	-44	-3	8.0	23.7	769	-2	-1	46.8	4312	61	3.2	109	0.097
16-	45.8819-	114.6467-	2-	12-		0-L17491	-3051	2216	6229	-52	-3	5.3	6.9	-599	-3	-1	10.0	-1377	55	-2.1	-58	1.101
16-	45.8339-	114.6392-	2-	12-		0-L17492	5020	526	26960	-40	-2	6.1	22.1	725	-2	-1	44.9	3838	50	5.8	74	0.081
16-	45.8886-	114.6139-	2-	11-		0-L17493	8872	311	24910	-42	-3	5.7	21.2	715	-2	-1	49.6	2514	41	7.5	104	0.081
16-	45.8947-	114.5908-	2-	12-		0-L17494	3617	330	30530	-34	-2	3.9	31.8	783	-2	-1	71.3	2808	38	2.3	136	0.067
16-	45.8872-	114.6119-	2-	12-		0-L17495	11360	585	23050	-41	-2	9.3	49.8	-248	-2	2	130.3	4542	80	7.2	65	0.097
16-	45.8803-	114.5889-	2-	12-		0-L17496	5817	711	18160	97	-3	9.5	56.2	-310	-3	3	132.6	2503	63	9.4	126	0.098
16-	45.8817-	114.5708-	2-	11-		0-L17497	15580	943	15140	127	-3	15.2	19.8	-358	-2	-1	39.5	4028	106	9.2	-58	0.263
16-	45.8836-	114.5614-	2-	12-		0-L17498	5750	324	13540	-47	-3	9.7	31.4	583	-2	-1	49.9	2814	48	6.3	-62	0.253
16-	45.8842-	114.5436-	2-	12-		0-L17499	6297	408	25260	-35	-2	6.8	25.4	-251	-2	2	63.3	2993	46	5.8	45	0.142
16-	45.8836-	114.5281-	2-	12-		0-L17500	-2639	360	26740	-36	-2	5.3	12.9	673	-2	-1	25.2	3293	35	3.2	-53	0.170
16-	45.8814-	114.5097-	2-	12-		0-L17501	3344	361	31770	-34	-2	4.8	14.4	817	-2	-1	37.1	1840	31	3.8	-19	0.200
16-	45.8767-	114.4861-	2-	12-		0-L17502	3283	470	27410	93	-2	4.9	8.1	515	-1	-1	27.8	2724	45	3.4	87	0.160
16-	45.8817-	114.4600-	2-	12-		0-L17503	3874	369	31240	110	-2	4.5	11.8	629	-1	1	31.9	2305	27	3.9	50	0.176
16-	45.8867-	114.4478-	2-	12-		0-L17504	6022	279	30490	-34	-2	4.6	13.2	861	-2	-1	26.4	2293	23	2.5	-52	0.172
16-	45.8853-	114.4414-	2-	12-		0-L17505	-1959	191	3854	-58	-4	4.2	21.4	-299	7	-1	9.3	-783	31	-2.7	-79	15.387
16-	45.8856-	114.4400-	2-	12-		0-L17506	6472	705	24040	-43	-3	6.9	32.8	543	-2	-1	74.3	7174	53	11.9	152	0.239
16-	45.8769-	114.4678-	2-	15-		0-L17507	5241	291	23210	-35	-2	5.6	8.5	-267	-2	-1	18.2	3584	36	2.3	-48	0.764
16-	45.8794-	114.5006-	2-	11-		0-L17508	5156	312	29190	71	-2	5.7	13.7	679	-2	-1	34.9	2842	36	3.2	99	0.119
16-	45.8839-	114.6011-	2-	12-		0-L17509	16920	652	20800	-40	-3	13.3	18.4	629	-2	-1	34.8	4299	95	7.3	113	0.149
16-	45.8839-	114.6217-	2-	12-		0-L17510	5326	552	29390	-38	-2	5.3	12.6	720	-2	-1	32.9	2702	44	2.9	127	0.084
16-	45.7722-	114.7792-	2-	12-		0-L17511	-2108	728	28460	152	-2	7.5	29.7	-263	8	2	85.8	5002	27	18.9		0.322

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																									U CONCENTRATION
							TIME SAMPLED																								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	KEYLOCATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.7644-	114.7833-	2-	12-	0-	L17512-	08/13/79-	10-	24-	12.4-	-	-	7.4-	14-	17-	2-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	4-	-1-	-	-	-	-	30.06
16-	45.9089-	114.5819-	2-	12-	0-	L17513-	08/11/79-	6-	19-	11.4-	-	-	7.9-	10-	10-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	3-	1-	-1-	-	-	-	-	7.10
16-	45.9114-	114.5786-	2-	12-	0-	L17514-	08/11/79-	7-	19-	9.2-	-	-	7.2-	14-	11-	2-	6-	5-	6-	2-	3-	1-	2-	1-	3-	3-	1-	-1-	-	-	-	-	5.71
16-	45.9347-	114.5422-	2-	12-	0-	L17515-	08/11/79-	7-	20-	10.8-	-	-	7.7-	10-	14-	2-	6-	2-	6-	4-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	5.92
16-	45.9358-	114.5422-	2-	12-	0-	L17516-	08/11/79-	8-	20-	12.0-	-	-	7.3-	9-	10-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	3.75
16-	45.9628-	114.5231-	2-	12-	0-	L17517-	08/11/79-	9-	19-	11.2-	-	-	7.9-	6-	12-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	3.64
16-	45.9750-	114.4797-	2-	12-	0-	L17518-	08/11/79-	10-	22-	13.8-	-	-	8.0-	5-	6-	2-	6-	2-	7-	3-	2-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	5.74
16-	45.9736-	114.4792-	2-	12-	0-	L17519-	08/11/79-	10-	21-	11.8-	-	-	7.2-	6-	14-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	8.15
16-	45.9711-	114.4922-	2-	11-	0-	L17520-	08/11/79-	10-	21-	5.0-	-	-	7.5-	7-	6-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	4-	3-	-1-	-1-	-	-	-	-	13.64
16-	45.9664-	114.5092-	2-	15-	0-	L17521-	08/11/79-	10-	22-	-	-	-	-	-	12-	2-	6-	2-	1-	-1-	-1-	-2-	1-	3-	4-	3-	-1-	-1-	-	-	-	-	5.97
16-	45.9658-	114.5061-	2-	12-	0-	L17522-	08/11/79-	11-	22-	12.6-	-	-	7.6-	8-	10-	2-	6-	3-	6-	2-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	8.86
16-	45.9667-	114.5072-	2-	12-	0-	L17523-	08/11/79-	11-	24-	12.8-	-	-	7.3-	7-	14-	2-	6-	3-	1-	2-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	8.62
16-	45.9408-	114.5397-	2-	11-	0-	L17524-	08/11/79-	12-	25-	11.2-	-	-	7.6-	7-	6-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	4-	3-	-1-	-1-	-	-	-	-	1.91
16-	45.9169-	114.5731-	2-	12-	0-	L17525-	08/11/79-	13-	26-	12.3-	-	-	7.3-	11-	6-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	11.42
16-	45.9147-	114.5711-	2-	15-	0-	L17526-	08/11/79-	13-	27-	-	-	-	-	-	10-	2-	6-	5-	8-	-1-	-1-	1-	3-	4-	1-	-1-	-	-1-	-	-	-	-	3.96
16-	45.9156-	114.5708-	2-	12-	0-	L17527-	08/11/79-	15-	28-	15.0-	-	-	7.2-	8-	8-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	8.20
16-	45.6067-	114.7111-	2-	11-	0-	L17528-	08/12/79-	12-	26-	7.2-	-	-	7.7-	95-	35-	2-	6-	4-	6-	2-	2-	1-	-1-	2-	5-	4-	-1-	-1-	-	-	-	-	14.06
16-	45.6119-	114.7053-	2-	12-	0-	L17529-	08/12/79-	12-	26-	11.6-	C-	-	7.8-	30-	-2-	6-	4-	6-	3-	3-	1-	2-	1-	2-	5-	4-	-1-	-1-	-	-	-	-	13.02
16-	45.6119-	114.7064-	2-	12-	0-	L17530-	08/12/79-	12-	26-	11.6-	-	-	7.6-	27-	28-	2-	1-	4-	6-	3-	3-	1-	2-	1-	2-	5-	4-	-1-	-1-	-	-	-	-	17.96
16-	45.6172-	114.7019-	2-	12-	0-	L17531-	08/12/79-	12-	28-	9.1-	-	-	7.6-	63-	14-	2-	6-	4-	6-	2-	2-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	19.87
16-	45.6197-	114.7044-	2-	12-	0-	L17532-	08/12/79-	13-	28-	8.7-	-	-	7.5-	66-	30-	2-	6-	5-	8-	2-	2-	1-	2-	1-	2-	5-	4-	-1-	-	-	-	-	13.26
16-	45.6228-	114.7081-	2-	12-	0-	L17533-	08/12/79-	13-	28-	11.4-	C-	-	7.8-	42-	-2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-1-	-	-	-	-	19.68
16-	45.6336-	114.7044-	2-	12-	0-	L17534-	08/12/79-	13-	28-	9.5-	-	-	7.7-	52-	30-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	46.33
16-	45.6378-	114.7050-	2-	12-	0-	L17535-	08/12/79-	14-	28-	11.8-	-	-	7.7-	35-	30-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	9.04
16-	45.6392-	114.7064-	2-	12-	0-	L17536-	08/12/79-	14-	28-	10.9-	C-	-	7.6-	29-	-2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-1-	-	-	-	-	22.79
16-	45.6519-	114.7067-	2-	12-	0-	L17537-	08/12/79-	14-	28-	11.3-	-	-	7.7-	72-	12-	2-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	20.39
16-	45.6617-	114.7194-	2-	12-	0-	L17538-	08/12/79-	15-	30-	11.4-	C-	-	7.8-	16-	-2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-1-	-	-	-	-	14.48
16-	45.6654-	114.7217-	2-	12-	0-	L17539-	08/12/79-	15-	30-	12.0-	C-	-	7.7-	13-	-2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-1-	-	-	-	-	25.45
16-	45.6739-	114.7189-	2-	12-	0-	L17540-	08/12/79-	16-	30-	12.5-	C-	-	7.5-	11-	-2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-1-	-	-	-	-	51.98
16-	45.6914-	114.7172-	2-	12-	0-	L17541-	08/12/79-	17-	28-	13.0-	-	-	7.5-	21-	26-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-1-	-	-	-	20.65
16-	45.6953-	114.7153-	2-	12-	0-	L17542-	08/12/79-	17-	28-	12.5-	C-	-	7.4-	28-	-2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-1-	-	-	-	-	12.04
16-	45.6758-	114.7825-	2-	11-	0-	L17543-	08/13/79-	10-	25-	5.5-	-	-	8.3-	14-	15-	2-	6-	4-	6-	2-	2-	1-	-1-	4-	5-	4-	-1-	-1-	-	-	-	-	51.08
16-	45.6793-	114.7678-	2-	12-	0-	L17544-	08/13/79-	10-	25-	9.2-	-	-	7.2-	17-	8-	2-	6-	4-	6-	3-	3-	1-	2-	1-	4-	4-	4-	-1-	-1-	-	-	-	27.63
16-	45.6594-	114.7703-	2-	12-	0-	L17545-	08/13/79-	11-	25-	6.6-	-	-	7.5-	19-	35-	2-	6-	4-	6-	2-	2-	1-	2-	1-	5-	4-	4-	-1-	-1-	-	-	-	58.28
16-	45.6719-	114.7686-	2-	11-	0-	L17546-	08/12/79-	12-	23-	9.2-	-	-	-	30-	26-	2-	6-	4-	6-	2-	2-	1-	-1-	4-	4-	4-	-1-	-1-	-	-	-	-	11.31
16-	45.7250-	114.7703-	2-	12-	0-	L17547-	08/13/79-	12-	23-	10.9-	C-	-	-	12-	25-	2-	6-	4-	6-	3-	3-	1-	2-	1-	5-	5-	4-	-1-	-1-	-	-	-	-	13.78
16-	45.8922-	114.8897-	2-	12-	0-	L17548-	08/12/79-	13-	26-	15.4-	-	-	7.5-	21-	35-	2-	6-	2-	1-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-1-	-	-	-	-	36.51
16-	45.8931-	114.8906-	2-	12-	0-	L17549-	08/12/79-	13-	27-	13.8-	-	-	7.2-	15-	30-	2-	6-	1-	6-	4-	3-	1-	2-	1-	4-	5-	3-	-1-	-1-	-	-	-	-	53.82
16-	45.9014-	114.8850-	2-	12-	0-	L17550-	08/12/79-	14-	27-	12.9-	-	-	7.3-	18-	20-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-1-	-	-	-	-	20.14
16-	45.9050-	114.8797-	2-	12-	0-	L17551-	08/12/79-	14-	27-	13.6-	-	-	7.5-	14-	30-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-1-	-	-	-	-	10.72
16-	45.8789-	114.9011-	2-	12-	0-	L17552-	08/12/79-	15-	28-	13.2-	-	-	7.5-	32-	15-	2-	6-	3-	1-	2-	3-	1-	2-	1-	4-	5-	2-	-1-	-1-	-	-	-	-	13.21
16-	45.8733-	114.9061-	2-	11-	0-	L17553-	08/12/79-	16-	27-	13.7-	-	-	7.5-	135-	15-	2-	6-	5-	8-	2-	3-	1-	-1-	3-	5-	2-	-1-	-1-	-	-	-	-	23.76
16-	45.8722-	114.9064-	2-	12-	0-	L17554-	08/12/79-	15-	26-	13.0-	-	-	7.7-	30-	25-	2-	6-	2-	1-	2-	2-	1-	2-	1-	4-	5-	2-	-1-	-1-	-	-	-	-	12.29
16-	45.8633-	114.9125-	2-	11-	0-	L17555-	08/12/79-	15-	26-	12.8-	-	-	7.6-	56-	15-	2-	6-	5-	8-	2-	2-	1-	-1-	3-	4-	2-	-1-	-1-	-	-	-	-	57.60
16-	45.8542-	114.9167-	2-	12-	0-	L17556-	08/12/79-	16-	26-	14.9-	-	-	7.9-	82-	8-	2-	6-	3-	1-	2-	2-	1-	2-	1-	4-	4-	2-	-1-	-1-	-	-	-	-	9.50
16-	45.8353-	114.9314-	2-	12-	0-	L17557-	08/12/79-	17-	26-	13.3-	-	-	7.8-	22-	8-	2-	6-	2-	5-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-1-	-	-	-	-	23.98
16-	45.8553-	114.9281-	2-	12-	0-	L17558-	08/12/79-	12-	29-	13.8-	-	-	7.8-	29-	15-	2-	6-	4-	5-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-1-	-	-	-	-	27.07
16-	45.8550-	114.9356-	2-	12-	0-	L17559-	08/12/79-	13-	29-	13.9-	-	-	7.5-	16-	8-	2-	6-	4-	3-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-1-	-	-	-	-	24.66
16-	45.8556-	114.9403-	2-	12-	0-	L17561-	08/12/79-	14-	29-	17.8-	-	-	8.2-	54-	11-	2-	7-	4-	3-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-1-	-	-	-	-	18.92
16-	45.8542-	114.9203-	2-	12-	0-	L17562-	08/12/79-	15-	28-	16.1-	-	-	8.1-	19-	27-	1-	7-	4-	7-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-1-	-	-	-	-	11.46
16-	45.8397-	114.9331-	2-	12-	0-	L17563-	08/12/79-	17-	25-	12.7-	-	-	7.9-	71-	6-	2-	6-	5-	8-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-1-	-	-	-	-	15.04

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.7644-	114.7833-	2-	12-		0-L17512	-5	18	-5	-10	85	-15	9	15	20	9	-5	3046	8	34
16-	45.9089-	114.5819-	2-	12-		0-L17513	-5	9	-5	20	-20	-15	16	-10	17	-5	-5	253	2	17
16-	45.9114-	114.5785-	2-	12-		0-L17514	-5	-5	-5	26	-20	-15	17	-10	-15	-5	-5	242	2	17
16-	45.9347-	114.5422-	2-	12-		0-L17515	-5	5	-5	15	-20	-15	16	-10	-15	-5	-5	192	1	14
16-	45.9358-	114.5422-	2-	12-		0-L17516	-5	5	-5	14	-20	-15	13	-10	-15	-5	-5	193	2	16
16-	45.9628-	114.5231-	2-	12-		0-L17517	-5	-5	-5	12	-20	-15	17	-10	-15	8	-5	154	1	9
16-	45.9750-	114.4797-	2-	12-		0-L17518	-5	-5	-5	14	-20	-15	26	-10	-15	-5	-5	142	-1	26
16-	45.9736-	114.4792-	2-	12-		0-L17519	-5	11	-5	11	-20	-15	15	-10	-15	7	-5	189	2	16
16-	45.9711-	114.4922-	2-	11-		0-L17520	-5	5	-5	19	-20	-15	18	-10	-15	-5	-5	129	2	13
16-	45.9664-	114.5092-	2-	15-		0-L17521	-5	4	-5	17	-20	-15	25	-10	-15	-5	-5	120	1	10
16-	45.9658-	114.5061-	2-	12-		0-L17522	-5	14	-5	10	-20	-15	16	-10	-15	9	-5	235	2	15
16-	45.9667-	114.5072-	2-	12-		0-L17523	-5	9	-5	15	-20	-15	22	-10	-15	-5	-5	162	2	13
16-	45.9408-	114.5397-	2-	11-		0-L17524	-5	-5	-5	17	-20	-15	15	-10	-15	-5	-5	184	1	13
16-	45.9169-	114.5731-	2-	12-		0-L17525	-5	14	-5	12	-20	-15	13	-10	-15	9	-5	392	1	10
16-	45.9147-	114.5711-	2-	15-		0-L17526	-5	12	-5	14	-20	-15	15	-10	-15	8	-5	182	2	10
16-	45.9156-	114.5708-	2-	12-		0-L17527	-5	15	-5	-10	-20	15	11	-10	-15	8	-5	485	2	11
16-	45.6067-	114.7111-	2-	11-		0-L17528	-5	8	-5	18	-20	-15	10	-10	-15	-5	-5	967	2	29
16-	45.6119-	114.7053-	2-	12-		0-L17529	5	10	-5	-10	59	-15	11	-10	20	6	-5	1486	5	44
16-	45.6119-	114.7064-	2-	12-		0-L17530	-5	20	-5	13	49	16	-5	-10	17	18	-5	2297	2	18
16-	45.6172-	114.7019-	2-	12-		0-L17531	-5	6	-5	21	-20	-15	18	-10	-15	-5	-5	623	3	19
16-	45.6197-	114.7044-	2-	12-		0-L17532	-5	5	-5	18	-20	-15	10	-10	-15	7	-5	926	4	38
16-	45.6228-	114.7081-	2-	12-		0-L17533	-5	11	-5	14	-20	38	5	-10	-15	11	-5	1517	2	46
16-	45.6386-	114.7044-	2-	12-		0-L17534	-5	10	-5	29	-20	-15	21	-10	-15	5	-5	544	10	36
16-	45.6378-	114.7050-	2-	12-		0-L17535	-5	10	-5	-10	-20	17	-5	-10	-15	11	-5	1199	3	39
16-	45.6392-	114.7064-	2-	12-		0-L17536	6	-5	-5	-10	-20	20	5	-10	-15	9	-5	2392	2	24
16-	45.6519-	114.7067-	2-	12-		0-L17537	-5	9	-5	20	-20	-15	10	-10	-15	5	-5	624	3	26
16-	45.6617-	114.7194-	2-	12-		0-L17538	7	10	-5	-10	-20	-15	-5	-10	15	13	-5	2820	3	32
16-	45.6664-	114.7217-	2-	12-		0-L17539	-5	9	-5	-10	-20	-15	8	-10	-15	-5	-5	1458	3	36
16-	45.6789-	114.7189-	2-	12-		0-L17540	-5	9	-5	10	-20	-15	5	-10	-15	12	-5	1840	3	33
16-	45.6914-	114.7172-	2-	12-		0-L17541	-5	9	-5	-10	-20	-15	11	-10	-15	6	-5	1373	5	47
16-	45.6953-	114.7153-	2-	12-		0-L17542	9	10	-5	-10	-20	15	5	-10	29	-5	-5	2014	3	28
16-	45.6758-	114.7825-	2-	11-		0-L17543	-5	16	-5	24	-20	-15	18	-10	-15	8	-5	440	6	44
16-	45.6703-	114.7678-	2-	12-		0-L17544	-5	10	-5	-10	-20	-15	12	-10	-15	5	-5	869	4	36
16-	45.6594-	114.7703-	2-	12-		0-L17545	-5	4	-5	22	-20	-15	15	-10	-15	5	-5	1057	3	38
16-	45.6719-	114.7685-	2-	11-		0-L17546	10	13	-5	-10	-20	-15	-5	-10	-15	14	-5	2505	3	48
16-	45.7250-	114.7703-	2-	12-		0-L17547	-5	13	-5	12	-20	-15	10	-10	15	7	-5	1195	4	44
16-	45.8922-	114.8897-	2-	12-		0-L17548	-5	-5	-5	-10	-20	19	7	13	-15	-5	-5	5041	5	30
16-	45.8931-	114.8906-	2-	12-		0-L17549	-5	-5	-5	-10	-20	-15	6	-10	-15	-5	-5	3701	6	36
16-	45.9014-	114.8850-	2-	12-		0-L17550	-5	10	-5	11	-20	-15	17	-10	-15	6	-5	1976	8	47
16-	45.9050-	114.8797-	2-	12-		0-L17551	-5	12	-5	14	-20	-15	30	-10	-15	11	-5	1313	5	29
16-	45.8789-	114.9011-	2-	12-		0-L17552	-5	10	-5	14	-20	16	24	-10	16	9	-5	1114	6	33
16-	45.8733-	114.9061-	2-	11-		0-L17553	-5	11	-5	-10	-20	-15	13	-10	-15	11	-5	1136	4	46
16-	45.8722-	114.9064-	2-	12-		0-L17554	-5	7	-5	15	-20	-15	21	-10	-15	7	-5	889	4	46
16-	45.8633-	114.9125-	2-	11-		0-L17555	-5	6	-5	10	-20	-15	19	-10	-15	-5	-5	881	4	98
16-	45.8542-	114.9167-	2-	12-		0-L17556	7	9	-5	-10	-20	-15	9	-10	-15	6	-5	2549	4	38
16-	45.8353-	114.9314-	2-	12-		0-L17557	7	12	-5	-10	-20	-15	-5	11	23	16	-5	3787	1	40
16-	45.8553-	114.9281-	2-	12-		0-L17558	7	12	-5	-10	-20	16	8	-10	-15	13	-5	3133	6	57
16-	45.8550-	114.9356-	2-	12-		0-L17559	9	-5	-5	-10	-20	-15	-5	11	-15	14	-5	5457	8	59
16-	45.8556-	114.9403-	2-	12-		0-L17561	-5	10	-5	-10	-20	-15	16	-10	-15	5	-5	1267	4	28
16-	45.8542-	114.9203-	2-	12-		0-L17562	-5	7	-5	15	-20	-15	14	-10	-15	6	-5	1457	-1	93
16-	45.8397-	114.9331-	2-	12-		0-L17563	6	7	-5	-10	-20	-15	6	-10	-15	5	-5	2183	1	76

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Concentrations reported in weight parts per million (ppm)															
							Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.7644-	114.7833-	2-	12-	0-	L17512	73230	-0.10	-145	12600	565	-164	3.0	-12	2.0	21	2.0	30310	123.7	22110	271	2.2
16-	45.9089-	114.5819-	2-	12-	0-	L17513	78200	-0.10	1096	15610	309	-144	4.4	22	-1.9	8	1.8	24870	9.8	15970	156	0.3
16-	45.9114-	114.5786-	2-	12-	0-	L17514	90650	-0.09	725	14390	136	-134	6.6	15	3.2	6	1.6	21800	8.7	20170	65	0.3
16-	45.9347-	114.5422-	2-	12-	0-	L17515	73640	-0.07	1141	16930	262	-135	3.8	27	-1.2	4	1.7	18980	7.1	20560	123	0.2
16-	45.9358-	114.5422-	2-	12-	0-	L17516	80670	-0.06	1365	15130	130	-145	4.1	-7	-1.2	3	0.9	16720	6.7	23400	66	0.1
16-	45.9628-	114.5231-	2-	12-	0-	L17517	51130	-0.10	1068	18790	73	-158	5.4	-11	-1.9	2	1.1	16870	4.4	19120	38	-0.1
16-	45.9750-	114.4797-	2-	12-	0-	L17518	75440	-0.09	914	10890	84	-118	6.3	37	-1.7	5	1.2	22760	4.8	19570	45	0.3
16-	45.9736-	114.4792-	2-	12-	0-	L17519	70430	-0.06	961	15540	246	-133	5.0	29	2.4	5	1.4	17790	5.7	18280	132	0.3
16-	45.9711-	114.4922-	2-	11-	0-	L17520	73100	-0.10	790	10180	77	365	-1.5	-10	2.5	5	1.7	16670	5.3	16400	46	0.4
16-	45.9664-	114.5092-	2-	15-	0-	L17521	66990	-0.10	666	13690	98	-151	4.9	15	-1.8	5	1.0	14510	4.5	15660	43	0.3
16-	45.9658-	114.5061-	2-	12-	0-	L17522	69780	-0.09	865	14010	463	-133	7.0	-11	-1.7	10	1.9	20240	9.2	19110	220	0.3
16-	45.9667-	114.5072-	2-	12-	0-	L17523	73790	-0.07	1056	13970	182	-139	4.4	18	2.0	5	1.2	16700	5.6	22940	103	0.3
16-	45.9408-	114.5397-	2-	11-	0-	L17524	72080	-0.06	1218	13710	163	-153	2.2	-7	-1.3	3	1.1	14620	6.9	18700	80	0.2
16-	45.9169-	114.5731-	2-	12-	0-	L17525	78870	-0.05	795	13460	632	-125	3.9	25	-1.7	20	2.8	16840	16.7	18490	319	0.7
16-	45.9147-	114.5711-	2-	15-	0-	L17526	58650	-0.07	1055	11080	280	-119	-1.3	-8	-1.3	6	1.8	11930	7.4	21590	139	0.3
16-	45.9156-	114.5708-	2-	12-	0-	L17527	59830	-0.07	1153	15000	853	-115	3.3	26	-1.3	15	3.1	30400	16.9	16600	425	0.6
16-	45.6067-	114.7111-	2-	11-	0-	L17528	59710	-0.10	1413	15470	176	-156	6.2	-12	7.1	10	2.7	40650	31.8	27200	84	0.5
16-	45.6119-	114.7053-	2-	12-	0-	L17529	55360	-0.09	575	17290	579	-110	10.2	44	4.3	13	1.5	42000	53.1	23430	268	1.0
16-	45.6119-	114.7064-	2-	12-	0-	L17530	59670	-0.11	432	28530	765	-115	13.8	127	-2.1	17	3.6	54360	100.2	15320	361	1.3
16-	45.6172-	114.7019-	2-	12-	0-	L17531	77570	-0.10	839	19510	170	441	8.1	44	4.8	14	2.4	39760	20.3	20710	118	0.7
16-	45.6197-	114.7044-	2-	12-	0-	L17532	72430	-0.10	1059	13760	316	-144	3.9	53	3.9	17	2.8	34230	37.7	27400	185	1.0
16-	45.6228-	114.7081-	2-	12-	0-	L17533	54290	-0.14	751	25580	229	-150	12.7	105	6.1	10	2.2	42620	49.6	15410	113	0.7
16-	45.6386-	114.7044-	2-	12-	0-	L17534	72450	-0.08	415	6610	250	-117	3.1	-10	6.9	27	1.8	21320	25.7	34180	174	1.6
16-	45.6378-	114.7050-	2-	12-	0-	L17535	64700	-0.07	614	27380	446	-109	10.9	80	3.6	11	2.1	42690	45.3	22320	212	0.8
16-	45.6392-	114.7064-	2-	12-	0-	L17536	72750	-0.09	759	19470	236	-147	6.3	-11	3.8	11	2.7	47690	82.4	21550	123	0.9
16-	45.6519-	114.7067-	2-	12-	0-	L17537	70450	-0.14	605	22590	182	163	13.2	44	4.3	13	2.0	48660	22.9	22870	102	0.7
16-	45.6617-	114.7194-	2-	12-	0-	L17538	73170	-0.11	706	21540	338	241	6.1	-13	-2.1	11	3.0	56620	101.2	19550	149	0.9
16-	45.6654-	114.7217-	2-	12-	0-	L17539	69650	-0.09	872	23140	203	277	8.0	29	4.3	10	1.8	45620	46.6	23580	108	0.7
16-	45.6789-	114.7189-	2-	12-	0-	L17540	65110	-0.12	-198	19070	327	-164	6.4	-14	4.3	14	2.1	39850	70.0	16290	155	0.9
16-	45.6914-	114.7172-	2-	12-	0-	L17541	74310	-0.10	650	19300	265	-128	10.5	44	4.7	14	1.6	34490	49.3	25780	142	1.0
16-	45.6953-	114.7153-	2-	12-	0-	L17542	57740	-0.11	578	25990	1099	-118	12.7	94	2.7	17	2.7	64250	75.2	18230	523	1.2
16-	45.6758-	114.7825-	2-	11-	0-	L17543	81870	-0.08	625	14960	459	-133	5.4	21	6.0	13	1.6	21650	16.0	30650	239	0.7
16-	45.6703-	114.7678-	2-	12-	0-	L17544	75310	-0.08	577	16250	218	-138	4.1	-9	2.5	10	1.7	26950	28.1	26920	110	0.6
16-	45.6594-	114.7703-	2-	12-	0-	L17545	65640	-0.13	482	22270	147	-156	7.2	44	4.7	11	2.1	33140	37.0	17730	95	0.7
16-	45.6719-	114.7686-	2-	11-	0-	L17546	77780	-0.11	744	23830	352	390	6.3	-13	-2.3	13	3.2	63810	74.4	15090	157	1.0
16-	45.7250-	114.7703-	2-	12-	0-	L17547	74470	-0.08	685	13070	622	-121	3.8	32	3.7	12	1.6	26630	38.0	31470	321	0.7
16-	45.8922-	114.8897-	2-	12-	0-	L17548	62780	-0.11	503	11680	843	-142	4.7	-14	2.6	23	2.6	45620	246.3	26530	417	2.5
16-	45.8931-	114.8906-	2-	12-	0-	L17549	68910	-0.13	-195	9176	1481	-131	4.1	77	3.3	25	-0.3	47120	267.8	26850	752	3.3
16-	45.9014-	114.8850-	2-	12-	0-	L17550	75230	-0.10	352	8143	570	-126	3.6	-12	5.5	16	1.5	36020	76.6	31910	291	1.2
16-	45.9050-	114.8797-	2-	12-	0-	L17551	84510	-0.07	418	6898	148	-137	6.2	26	5.2	8	1.2	41920	50.0	27770	88	0.7
16-	45.8789-	114.9011-	2-	12-	0-	L17552	70890	-0.09	-188	8726	254	-164	3.9	-11	5.3	14	1.1	30260	48.9	27120	151	0.8
16-	45.8733-	114.9061-	2-	11-	0-	L17553	77000	-0.08	293	8658	211	-129	2.7	-10	2.8	8	0.6	20130	41.7	41710	98	0.8
16-	45.8722-	114.9064-	2-	12-	0-	L17554	81510	-0.08	453	9494	245	-141	4.3	-10	4.7	10	1.2	28900	38.4	34370	94	0.8
16-	45.8633-	114.9125-	2-	11-	0-	L17555	79720	-0.08	693	14650	218	-137	3.2	-10	3.7	13	1.0	22830	33.0	27470	135	0.7
16-	45.8542-	114.9167-	2-	12-	0-	L17556	74320	-0.10	651	17350	523	255	4.1	22	2.0	13	2.5	44140	79.9	28320	249	0.9
16-	45.8353-	114.9314-	2-	12-	0-	L17557	67890	-0.12	749	13970	809	-132	5.6	32	2.9	16	2.3	44400	111.9	22890	387	1.6
16-	45.8553-	114.9281-	2-	12-	0-	L17558	75460	-0.12	465	14410	488	-146	5.8	29	4.4	17	3.4	36370	132.1	20450	269	1.6
16-	45.8550-	114.9356-	2-	12-	0-	L17559	74640	-0.09	640	12950	568	-129	4.0	24	3.8	16	1.5	37210	104.0	29890	304	1.3
16-	45.8555-	114.9403-	2-	12-	0-	L17561	77050	-0.08	328	9337	477	-146	4.5	34	4.4	13	1.2	28000	64.4	25640	236	1.1
16-	45.8542-	114.9203-	2-	12-	0-	L17562	76310	-0.10	501	11210	337	-128	5.0	24	4.3	12	1.6	35460	50.6	27630	177	0.9
16-	45.8397-	114.9331-	2-	12-	0-	L17563	72500	-0.11	793	15950	432	236	7.0	37	3.2	14	2.7	44490	76.5	22460	210	1.0

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.7644-	114.7833-	2-	12-	0-	L17512	-2545	771	30490	128	-3	7.9	32.4	-323	10	2	84.4	5403	-10	23.0	169	0.356
16-	45.9089-	114.5819-	2-	12-	0-	L17513	3931	234	26260	-47	-3	4.8	18.9	564	-2	1	40.2	2637	35	4.4	-57	0.177
16-	45.9114-	114.5786-	2-	12-	0-	L17514	5232	428	24920	83	-2	7.1	9.0	741	-2	-1	17.0	3313	39	3.0	-83	0.336
16-	45.9347-	114.5422-	2-	12-	0-	L17515	4401	507	29850	44	-2	4.1	12.6	805	-2	-1	30.7	3127	32	-1.2	44	0.193
16-	45.9358-	114.5422-	2-	12-	0-	L17516	4303	293	31460	52	-2	4.1	7.9	704	-1		16.1	2041	29	-1.1	87	0.233
16-	45.9628-	114.5231-	2-	12-	0-	L17517	-2980	1549	17260	-39	-3	4.8	3.9	-543	-2	-1	8.1	2098	37	-1.9	-166	0.449
16-	45.9750-	114.4797-	2-	12-	0-	L17518	5954	408	19550	79	-2	6.3	5.3	-278	-2	-1	12.7	2732	42	-1.9	88	0.452
16-	45.9736-	114.4792-	2-	12-	0-	L17519	5433	386	25360	-32	-2	5.0	13.4	-249	-2	-1	43.7	3390	45	1.8	39	0.186
16-	45.9711-	114.4922-	2-	11-	0-	L17520	3286	281	20260	-38	-3	6.9	9.3	-281	-2	-1	9.2	2341	33	-1.6	123	1.483
16-	45.9664-	114.5092-	2-	15-	0-	L17521	-2639	575	22620	-39	-3	5.2	6.6	-378	-2	-1	13.8	2474	34	-2.1	-102	0.433
16-	45.9658-	114.5061-	2-	12-	0-	L17522	-2344	452	25810	53	-2	4.9	32.4	594	-2	1	80.0	3430	34	7.6	87	0.111
16-	45.9657-	114.5072-	2-	12-	0-	L17523	5503	431	25950	-32	-2	4.9	9.8	713	-2	-1	31.4	2771	37	-1.4	44	0.275
16-	45.9408-	114.5397-	2-	11-	0-	L17524	-2449	385	29380	-32	-2	3.0	8.8	781	-1	-1	16.7	1937	33	-1.1	137	0.114
16-	45.9169-	114.5731-	2-	12-	0-	L17525	-2242	305	29000	-39	-2	4.8	42.6	489	-2	3	97.1	2093	30	7.7	88	0.118
16-	45.9147-	114.5711-	2-	15-	0-	L17526	-2136	216	26990	-29	-2	3.0	18.1	872	-1		39.8	2468	22	6.9	-18	0.099
16-	45.9156-	114.5708-	2-	12-	0-	L17527	2965	416	28820	-33	-2	4.2	45.5	549	-2	2	122.5	4439	55	4.7	62	0.067
16-	45.6067-	114.7111-	2-	11-	0-	L17528	-2475	655	25000	91	-3	12.0	14.3	-309	-2	-1	17.5	4816	31	5.6	174	0.803
16-	45.6119-	114.7053-	2-	12-	0-	L17529	5779	730	24280	117	-2	14.0	34.1	-273	4	2	51.5	7283	56	11.2	120	0.253
16-	45.6119-	114.7064-	2-	12-	0-	L17530	10410	1331	19600	78	-3	19.3	52.9	-327	6	2	100.5	13030	95	16.2	-51	0.179
16-	45.6172-	114.7019-	2-	12-	0-	L17531	5889	927	19470	-40	-2	12.1	17.6	-284	-2	1	18.6	3929	45	6.3	234	1.068
16-	45.6197-	114.7044-	2-	12-	0-	L17532	4282	615	22520	103	-3	10.3	26.1	-292	-2	2	31.0	3733	20	9.5	-158	0.428
16-	45.6228-	114.7081-	2-	12-	0-	L17533	11020	912	18640	-57	-4	13.4	14.2	-426	-3	-1	24.8	9192	71	7.8		0.794
16-	45.6386-	114.7044-	2-	12-	0-	L17534	-2041	520	23990	171	-2	6.1	51.5	-275	5	3	45.3	2331	22	17.5	295	1.023
16-	45.6378-	114.7050-	2-	12-	0-	L17535	9080	870	24830	93	-2	15.4	22.4	-229	4	2	44.8	7216	66	8.1	146	0.202
16-	45.6392-	114.7064-	2-	12-	0-	L17536	4962	869	26030	111	-2	12.8	21.3	-303	4	-1	29.2	9338	33	8.3	191	0.780
16-	45.6519-	114.7067-	2-	12-	0-	L17537	8753	907	19060	111	-4	15.7	19.6	-393	-2	2	19.2	6351	74	7.9		1.062
16-	45.6617-	114.7194-	2-	12-	0-	L17538	7189	1151	27450	-42	-3	15.8	26.6	-354	5	1	36.8	10380	32	8.2	161	0.393
16-	45.6664-	114.7217-	2-	12-	0-	L17539	6896	967	22760	99	-2	13.5	15.2	-283	4	1	29.4	6606	39	6.9	194	0.866
16-	45.6789-	114.7189-	2-	12-	0-	L17540	6261	1056	18870	100	-3	12.2	23.7	-385	5	2	44.1	7276	31	10.2	197	1.179
16-	45.6914-	114.7172-	2-	12-	0-	L17541	7490	773	24540	145	-3	12.5	19.9	-318	3	2	51.3	6323	62	9.7	185	0.403
16-	45.6953-	114.7153-	2-	12-	0-	L17542	8298	1440	20630	-46	-3	21.6	63.3	-333	9	2	93.8	14250	78	16.3	-51	0.128
16-	45.6758-	114.7825-	2-	11-	0-	L17543	3061	710	24780	146	-2	6.9	28.5	-278	4	1	104.9	5438	44	5.7	87	0.487
16-	45.6703-	114.7678-	2-	12-	0-	L17544	3843	575	24740	116	-2	8.6	18.0	-268	-2	1	34.3	3207	21	6.8	144	0.806
16-	45.6594-	114.7703-	2-	12-	0-	L17545	7539	983	18060	-55	-3	10.7	13.1	-447	-2	-1	18.8	5961	39	5.6	230	3.100
16-	45.6719-	114.7686-	2-	11-	0-	L17546	-2303	1279	22590	-43	-3	19.2	23.2	-374	3	-1	31.6	6093	27	9.6	265	0.358
16-	45.7250-	114.7703-	2-	12-	0-	L17547	3758	580	27010	133	-2	6.9	27.9	-243	-2	1	44.0	3351	20	6.7	153	0.313
16-	45.8922-	114.8897-	2-	12-	0-	L17548	-2270	1041	23540	114	-3	12.2	44.0	-309	10	2	112.8	9685	32	24.7	197	0.324
16-	45.8931-	114.8906-	2-	12-	0-	L17549	-2297	950	25320	-51	-3	7.8	75.5	-348	14	3	195.4	12740	29	36.8	172	0.275
16-	45.9014-	114.8850-	2-	12-	0-	L17550	-2205	767	25270	162	-2	7.0	40.2	-318	6	-1	68.6	5364	25	13.3	-129	0.294
16-	45.9050-	114.8797-	2-	12-	0-	L17551	-2179	1309	26940	198	-2	7.4	10.8	-306	6	-1	48.1	5013	31	8.4	245	0.223
16-	45.8789-	114.9011-	2-	12-	0-	L17552	-2600	1099	20970	112	-2	6.2	22.0	-378	4	1	36.7	3394	26	10.5	182	0.360
16-	45.8733-	114.9061-	2-	11-	0-	L17553	-2347	195	27860	199	-2	4.1	11.1	-267	5	-1	27.8	3872	17	8.7	115	0.855
16-	45.8722-	114.9064-	2-	12-	0-	L17554	-2498	1321	23070	150	-2	5.5	14.2	-404	5	-1	44.6	3163	28	9.8	199	0.276
16-	45.8633-	114.9125-	2-	11-	0-	L17555	-2217	454	24190	126	-2	6.6	19.2	-260	2	-1	35.9	2984	23	8.7	134	1.604
16-	45.8542-	114.9167-	2-	12-	0-	L17556	-2380	850	26610	-44	-3	13.2	26.8	-310	4	1	36.5	6061	26	10.8	218	0.260
16-	45.8353-	114.9314-	2-	12-	0-	L17557	-2356	1054	24260	90	-3	12.6	36.2	-359	6	2	71.4	8846	42	15.9	156	0.336
16-	45.8553-	114.9281-	2-	12-	0-	L17558	-2472	1007	26340	126	-3	9.0	35.8	-377	7	2	67.6	6549	45	15.6		0.400
16-	45.8550-	114.9356-	2-	12-	0-	L17559	4449	895	23890	118	-2	10.0	27.2	-283	6	-1	67.1	7257	30	12.9	158	0.368
16-	45.8556-	114.9403-	2-	12-	0-	L17561	-2340	536	29620	167	-2	7.1	27.0	-278	6	1	52.3	4037	21	11.0	-133	0.362
16-	45.8542-	114.9203-	2-	12-	0-	L17562	-2263	719	25700	168	-2	9.5	20.0	-318	-2	1	37.1	4824	39	7.8	-62	0.309
16-	45.8397-	114.9331-	2-	12-	0-	L17563	5996	861	24550	-42	-3	12.3	30.9	-338	4	1	34.9	5693	33	11.8	177	0.431

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	RERICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU,ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.8281-	114.9619-	2-	12-		0-	L17564-	08/12/79-	17-	25-	12.8-	-	-	8.0-	10-	12-	1-	7-	4-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	9.09
16-	45.8356-	114.9667-	2-	11-		0-	L17565-	08/12/79-	17-	26-	12.8-	-	-	7.9-	17-	6-	1-	7-	5-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	9.67
16-	45.8281-	114.9906-	2-	11-		0-	L17566-	08/12/79-	18-	24-	9.2-	-	-	8.1-	7-	5-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	3.51
16-	45.7072-	115.0297-	2-	11-		0-	L17567-	08/12/79-	18-	25-	9.4-	-	-	7.5-	15-	16-	1-	7-	5-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	12.63
16-	45.6983-	114.9997-	2-	11-		0-	L17568-	08/12/79-	19-	23-	11.1-	-	-	8.4-	9-	7-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	-	15.12
16-	45.6817-	114.9453-	2-	11-		0-	L17569-	08/12/79-	19-	22-	5.9-	-	-	8.1-	7-	10-	2-	6-	5-	6-	3-	3-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	-	7.11
16-	45.6408-	114.9294-	2-	11-		0-	L17570-	08/12/79-	19-	23-	6.1-	-	-	8.3-	6-	8-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	-	5.87
16-	45.6314-	114.8922-	2-	11-		0-	L17571-	08/12/79-	19-	19-	6.3-	-	-	7.5-	3-	10-	2-	6-	2-	1-	3-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	7.19
16-	45.6406-	114.8211-	2-	11-		0-	L17572-	08/12/79-	20-	18-	6.2-	-	-	8.0-	6-	6-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	-	4.95
16-	45.7258-	114.7714-	2-	12-		0-	L17573-	08/13/79-	12-	23-	10.2-	C-	-	-	29-	10-	2-	6-	4-	6-	3-	3-	1-	2-	1-	5-	5-	4-	-1-	-	-	-	-	-	19.20
16-	45.0611-	114.0281-	2-	12-		0-	L17574-	08/14/79-	12-	24-	12.2-	C-	-	7.7-	187-	28-	2-	6-	3-	6-	3-	3-	2-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	3.34
16-	45.1253-	114.1408-	2-	11-		0-	L17575-	08/14/79-	13-	25-	10.1-	-	-	8.1-	70-	6-	2-	6-	5-	8-	2-	3-	1-	-1-	4-	4-	1-	-1-	-	-	-	-	-	8.07
16-	45.1267-	114.1556-	2-	12-		0-	L17576-	08/14/79-	13-	25-	13.8-	C-	-	7.9-	37-	6-	2-	6-	5-	8-	3-	3-	2-	1-	1-	3-	4-	1-	-1-	-	-	-	-	-	6.32
16-	45.1494-	114.1722-	2-	12-		0-	L17577-	08/14/79-	14-	26-	12.6-	C-	-	7.7-	43-	35-	2-	6-	5-	6-	3-	3-	1-	2-	1-	4-	4-	1-	-1-	-	-	-	-	-	5.13
16-	45.5128-	114.0086-	2-	12-		0-	L17578-	08/14/79-	11-	27-	9.9-	-	-	5.5-	222-	7-	4-	7-	5-	8-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	49.88
16-	45.5256-	114.0067-	2-	11-		0-	L17579-	08/14/79-	11-	27-	14.4-	-	-	6.6-	387-	16-	1-	7-	5-	8-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	3.68
16-	45.5356-	114.0122-	2-	12-		0-	L17580-	08/14/79-	12-	27-	13.7-	-	-	6.9-	327-	8-	4-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	4.02
16-	45.5136-	114.0667-	2-	12-		0-	L17581-	08/14/79-	12-	29-	12.9-	-	-	7.3-	98-	12-	2-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	18.91
16-	45.5347-	114.0575-	2-	12-		0-	L17582-	08/14/79-	12-	27-	13.5-	-	-	7.2-	72-	12-	2-	6-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	22.60
16-	45.5175-	114.0236-	2-	15-		0-	L17583-	08/14/79-	13-	27-		-C-	-	-	-	13-	2-	6-	4-	8-	-1-	-2-	1-	3-	4-	2-	-1-	-	-	-	-	-	-	19.03
16-	45.4836-	114.0461-	2-	15-		0-	L17584-	08/14/79-	13-	26-		-C-	-	-	-	12-	2-	6-	4-	6-	-1-	-2-	1-	3-	4-	2-	-3-	-	-	-	-	-	-	14.29
16-	45.4850-	114.0775-	2-	12-		0-	L17585-	08/14/79-	13-	26-	10.2-	-	-	7.4-	95-	10-	2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	7.11
16-	45.4592-	114.1047-	2-	12-		0-	L17586-	08/14/79-	14-	26-	10.2-	-	-	7.2-	95-	19-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	26.37
16-	45.4500-	114.0978-	2-	11-		0-	L17587-	08/14/79-	14-	25-	9.8-	-	-	7.5-	27-	15-	2-	6-	5-	6-	2-	2-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	4.74
16-	45.4233-	114.0750-	2-	12-		0-	L17588-	08/14/79-	15-	25-	14.2-	-	-	7.0-	143-	13-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	13.09
16-	45.4172-	114.0856-	2-	12-		0-	L17589-	08/14/79-	15-	26-	14.2-	-	-	7.3-	132-	5-	1-	7-	5-	6-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	13.03
16-	45.4089-	114.0972-	2-	12-		0-	L17590-	08/14/79-	16-	27-	12.6-	-	-	7.4-	99-	10-	2-	6-	5-	8-	2-	2-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	-	21.24
16-	45.4692-	114.5581-	2-	12-		0-	L17591-	08/15/79-	11-	25-	8.3-	-	-	5.7-	39-	2-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	92.33
16-	45.4750-	114.5678-	2-	12-		0-	L17592-	08/15/79-	11-	25-	9.9-	-	-	5.8-	37-	11-	2-	6-	4-	6-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	19.04
16-	45.4722-	114.5694-	2-	11-		0-	L17593-	08/15/79-	11-	25-	10.6-	-	-	6.6-	102-	9-	2-	6-	4-	6-	3-	3-	1-	-1-	3-	4-	2-	-1-	-	-	-	-	-	42.93
16-	45.4633-	114.5772-	2-	12-		0-	L17594-	08/15/79-	11-	25-	10.6-	-	-	6.6-	42-	18-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	-	34.37
16-	45.4639-	114.5786-	2-	12-		0-	L17595-	08/15/79-	11-	25-	10.7-	-	-	6.7-	30-	17-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	-	23.92
16-	45.4506-	114.5828-	2-	12-		0-	L17596-	08/15/79-	12-	25-	9.9-	-	-	6.8-	33-	-2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	-	52.07
16-	45.4558-	114.5872-	2-	11-		0-	L17597-	08/15/79-	12-	25-	6.6-	-	-	6.7-	39-	24-	2-	6-	5-	8-	2-	2-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	33.70
16-	45.4544-	114.5867-	2-	12-		0-	L17598-	08/15/79-	12-	25-	10.4-	-	-	6.9-	23-	9-	2-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	20.36
16-	45.4406-	114.5839-	2-	12-		0-	L17599-	08/15/79-	13-	25-	12.7-	-	-	6.7-	38-	11-	2-	7-	5-	8-	3-	3-	1-	2-	3-	4-	5-	2-	-1-	-	-	-	-	-	27.16
16-	45.4297-	114.6053-	2-	12-		0-	L17600-	08/15/79-	15-	27-	10.7-	-	-	8.1-	30-	9-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	53.54
16-	45.4306-	114.6192-	2-	12-		0-	L17601-	08/15/79-	15-	27-	14.2-	-	-	8.0-	25-	10-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	37.63
16-	45.4308-	114.6208-	2-	12-		0-	L17602-	08/15/79-	15-	27-	12.7-	-	-	7.7-	47-	7-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	25.63
16-	45.4250-	114.6339-	2-	15-		0-	L17603-	08/15/79-	15-	33-		-C-	-	-	-	-1-	7-	4-	6-	-1-	-2-	1-	2-	5-	2-	-9-	-	-	-	-	-	-	-	23.19
16-	45.4264-	114.6481-	2-	12-		0-	L17604-	08/15/79-	16-	27-	14.3-	-	-	7.8-	35-	7-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	28.39
16-	45.4267-	114.6511-	2-	12-		0-	L17605-	08/15/79-	16-	25-	13.0-	-	-	7.8-	25-	10-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	3-	-1-	-	-	-	-	-	12.73
16-	45.4222-	114.6750-	2-	12-		0-	L17606-	08/15/79-	17-	27-	12.9-	-	-	7.8-	51-	9-	1-	7-	5-	8-	2-	2-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	9.93
16-	45.4203-	114.6900-	2-	12-		0-	L17607-	08/15/79-	17-	27-	12.2-	-	-	7.7-	53-	10-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	10.82
16-	45.4189-	114.6936-	2-	15-		0-	L17608-	08/15/79-	17-	26-		-	-	-	-	9-	2-	6-	4-	8-	-1-	-2-	1-	3-	5-	2-	-1-	-	-	-	-	-	-	6.74
16-	45.4186-	114.6922-	2-	12-		0-	L17609-	08/15/79-	17-	26-	15.8-	-	-	7.6-	39-	13-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	7.81
16-	45.4078-	114.7189-	2-	12-		0-	L17610-	08/15/79-	18-	26-	17.2-	-	-	7.6-	41-	9-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	56.06
16-	45.4083-	114.7194-	2-	12-		0-	L17611-	08/15/79-	18-	26-	14.7-	-	-	7.6-	33-	10-	1-	7-	5-	8-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	-	9.89
16-	45.4094-	114.7272-	2-	15-		0-	L17612-	08/15/79-	18-	26-		-	-	-	-	11-	1-	7-	4-	8-	-1-	-2-	1-	3-	5-	2-	-1-	-	-	-	-	-	-	4.38
16-	45.6483-	114.6094-	2-	11-		0-	L17613-	08/13/79-	11-	6-	4.2-	C-	-	8.4-	7-	30-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	5-	5-	-1-	-	-	-	-	-	7.29
16-	45.6667-	114.6514-	2-	12-		0-	L17614-	08/13/79-	11-	10-	7.8-	-	-	7.5-	20-	26-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	-	41.03

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.8281-	114.9619-	2-	12-		0-L17564	-5	7	-5	11	-20	-15	11	-10	-15	-5	-5	745	4	27
16-	45.8356-	114.9567-	2-	11-		0-L17565	-5	6	-5	10	-20	-15	8	-10	-15	5	-5	781	3	36
16-	45.8281-	114.9906-	2-	11-		0-L17566	-5	-5	-5	12	-20	-15	13	-10	-15	-5	-5	484	3	25
16-	45.7072-	115.0297-	2-	11-		0-L17567	-5	-5	-5	22	21	-15	6	-10	-15	7	-5	1782	3	38
16-	45.6983-	114.9997-	2-	11-		0-L17568	-5	-5	-5	10	-20	17	13	-10	-15	5	-5	794	3	68
16-	45.6817-	114.9453-	2-	11-		0-L17569	-5	-5	-5	13	21	-15	24	-10	-15	-5	-5	181	7	46
16-	45.6408-	114.9294-	2-	11-		0-L17570	-5	6	-5	17	-20	-15	20	-10	-15	5	-5	765	3	21
16-	45.6314-	114.8922-	2-	11-		0-L17571	-5	6	-5	28	-20	-15	35	-10	-15	-5	-5	375	2	54
16-	45.6406-	114.8211-	2-	11-		0-L17572	5	-5	-5	22	-20	166	-5	-10	-15	-5	-5	852	2	112
16-	45.7258-	114.7714-	2-	12-		0-L17573	-5	-5	-5	-10	-20	-15	10	-10	-15	-5	-5	685	4	70
16-	45.0611-	114.0281-	2-	12-		0-L17574	-5	-5	-5	21	-20	-15	14	-10	-15	-5	-5	303	3	13
16-	45.1253-	114.1409-	2-	11-		0-L17575	-5	-5	-5	26	-20	-15	17	-10	-15	8	-5	444	3	18
16-	45.1267-	114.1556-	2-	12-		0-L17576	-5	5	-5	34	-20	-15	8	-10	-15	10	-5	492	3	14
16-	45.1494-	114.1722-	2-	12-		0-L17577	-5	8	-5	28	-20	21	14	-10	-15	16	-5	419	3	34
16-	45.5128-	114.0086-	2-	12-		0-L17578	-5	-5	-5	117	-20	-15	7	-10	-15	5	8	103	-1	7
16-	45.5256-	114.0067-	2-	11-		0-L17579	-5	-5	-5	25	-20	-15	8	-10	-15	5	-5	277	2	25
16-	45.5356-	114.0122-	2-	12-		0-L17580	-5	-5	-5	17	-20	-15	10	-10	-15	-5	-5	316	3	19
16-	45.5136-	114.0667-	2-	12-		0-L17581	-5	-5	-5	20	-20	-15	-5	-10	-15	7	-5	296	2	18
16-	45.5347-	114.0575-	2-	12-		0-L17582	-5	-5	-5	17	-20	-15	-5	-10	-15	-5	-5	554	2	17
16-	45.5175-	114.0236-	2-	15-		0-L17583	-5	5	-5	14	-20	15	6	-10	-15	5	-5	295	1	18
16-	45.4836-	114.0461-	2-	15-		0-L17584	-5	-5	-5	77	-20	-15	10	-10	-15	5	-5	140	1	18
16-	45.4850-	114.0775-	2-	12-		0-L17585	-5	-5	-5	17	-20	-15	8	-10	-15	8	-5	360	2	25
16-	45.4592-	114.1047-	2-	12-		0-L17586	-5	10	-5	85	-20	-15	158	-10	-15	93	-5	248	3	41
16-	45.4500-	114.0978-	2-	11-		0-L17587	-5	6	-5	52	-20	-15	12	-10	-15	33	-5	203	3	28
16-	45.4233-	114.0750-	2-	12-		0-L17588	-5	-5	-5	23	-20	-15	6	-10	-15	11	-5	323	2	21
16-	45.4172-	114.0856-	2-	12-		0-L17589	-5	-5	-5	22	-20	21	-5	-10	-15	17	-5	268	2	26
16-	45.4089-	114.0972-	2-	12-		0-L17590	-5	-5	-5	22	-20	20	-5	-10	-15	7	-5	364	2	17
16-	45.4692-	114.5581-	2-	12-		0-L17591	-5	6	-5	24	-20	-15	10	-10	-15	6	-5	680	3	43
16-	45.4750-	114.5678-	2-	12-		0-L17592	-5	11	-5	-10	-20	-15	-5	-10	-15	11	-5	2076	3	35
16-	45.4722-	114.5694-	2-	11-		0-L17593	-5	5	-5	28	-20	-15	12	-10	-15	9	-5	371	2	29
16-	45.4633-	114.5772-	2-	12-		0-L17594	-5	12	-5	17	-20	-15	17	10	19	8	-5	896	6	82
16-	45.4639-	114.5786-	2-	12-		0-L17595	-5	-5	-5	18	-20	24	9	-10	-15	5	-5	258	3	39
16-	45.4606-	114.5829-	2-	12-		0-L17596	-5	10	-5	14	-20	20	8	-10	-15	8	-5	558	3	26
16-	45.4558-	114.5872-	2-	11-		0-L17597	-5	11	-5	-10	-20	-15	13	-10	-15	5	-5	1044	5	61
16-	45.4544-	114.5867-	2-	12-		0-L17598	-5	-5	-5	18	-20	-15	-5	-10	-15	10	-5	985	2	26
16-	45.4406-	114.5939-	2-	12-		0-L17599	-5	10	-5	16	-20	-15	15	-10	-15	5	-5	1036	5	74
16-	45.4297-	114.6053-	2-	12-		0-L17600	-5	7	-5	30	-20	-15	7	-10	-15	-5	-5	283	3	42
16-	45.4306-	114.6192-	2-	12-		0-L17601	-5	11	-5	17	-20	19	14	-10	15	7	-5	816	4	68
16-	45.4308-	114.6208-	2-	12-		0-L17602	-5	9	-5	10	-20	-15	9	-10	-15	-5	-5	579	3	37
16-	45.4250-	114.6339-	2-	15-		0-L17603	-5	-5	-5	70	-20	24	-5	-10	-15	8	-5	372	2	65
16-	45.4264-	114.6481-	2-	12-		0-L17604	-5	13	-5	-10	34	-15	6	-10	22	11	-5	1315	4	67
16-	45.4267-	114.6511-	2-	12-		0-L17605	-5	7	-5	19	-20	26	11	-10	-15	-5	-5	549	2	29
16-	45.4222-	114.6750-	2-	12-		0-L17606	-5	-5	-5	14	-20	34	6	-10	-15	5	-5	734	2	31
16-	45.4203-	114.6900-	2-	12-		0-L17607	-5	6	-5	16	-20	18	-5	-10	-15	5	-5	593	2	47
16-	45.4189-	114.6936-	2-	15-		0-L17608	-5	8	-5	27	-20	26	-5	-10	-15	-5	-5	363	1	64
16-	45.4186-	114.6922-	2-	12-		0-L17609	-5	9	-5	37	-20	16	-5	-10	-15	-5	-5	459	2	47
16-	45.4078-	114.7189-	2-	12-		0-L17610	16	26	-5	-10	65	18	-5	11	38	24	-5	5543	2	32
16-	45.4083-	114.7194-	2-	12-		0-L17611	-5	6	-5	20	-20	46	7	-10	-15	-5	-5	460	2	47
16-	45.4094-	114.7272-	2-	15-		0-L17612	-5	-5	-5	29	-20	68	6	-10	-15	-5	-5	511	1	46
16-	45.6483-	114.6094-	2-	11-		0-L17613	-5	-5	-5	25	-20	-15	23	-10	-15	-5	-5	249	8	35
16-	45.6667-	114.6514-	2-	12-		0-L17614	-5	11	-5	23	-20	-15	18	-10	-15	5	-5	714	11	71

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.8281-	114.9519-	2-	12-	0-	17544	51210	-0.06	607	8403	199	-102	3.4	30	2.9	10	1.1	19840	28.8	25530	92	0.7
16-	45.8356-	114.9667-	2-	11-	0-	17545	52360	-0.08	794	7490	150	-106	4.6	35	3.2	12	2.3	21870	30.7	23310	72	0.8
16-	45.8281-	114.9906-	2-	11-	0-	17546	59910	-0.08	747	7859	71	-93	4.7	55	2.6	6	1.4	17740	13.3	24780	35	0.5
16-	45.7072-	115.0297-	2-	11-	0-	17567	59260	-0.13	445	22020	258	-141	9.6	39	-2.6	12	2.5	50850	68.9	15430	123	0.8
16-	45.6983-	114.9997-	2-	11-	0-	17568	82890	-0.09	-141	20390	98	-135	9.3	59	3.9	5	1.3	31530	31.3	20510	42	0.4
16-	45.6817-	114.9453-	2-	11-	0-	17569	78310	0.06	-126	4944	106	-138	2.6	17	4.5	11	0.5	13960	10.5	35530	29	0.7
16-	45.6408-	114.9294-	2-	11-	0-	17570	62630	-0.14	1046	15920	246	-176	6.9	-15	-2.7	7	2.4	40410	29.1	20820	109	0.4
16-	45.6314-	114.8922-	2-	11-	0-	17571	74660	-0.11	553	15940	98	-145	6.7	46	7.0	8	1.2	23940	16.7	19620	47	0.5
16-	45.6406-	114.8211-	2-	11-	0-	17572	68750	-0.15	546	44270	97	-120	39.1	399	4.0	5	2.1	67830	25.9	9030	35	0.3
16-	45.7258-	114.7714-	2-	12-	0-	17573	74510	-0.11	699	30080	269	-126	8.9	53	4.4	9	1.7	35340	26.4	22190	142	0.5
16-	45.0611-	114.0281-	2-	12-	0-	17574	86160	-0.08	901	36960	66	-99	8.0	58	5.7	4	1.4	20930	8.7	19970	35	0.2
16-	45.1253-	114.1408-	2-	11-	0-	17575	60640	-0.11	670	8616	121	418	10.0	63	8.3	11	2.1	27580	17.1	17440	57	0.9
16-	45.1267-	114.1556-	2-	12-	0-	17576	51990	-0.13	901	9272	103	423	8.7	45	6.6	10	1.7	23420	20.9	19770	50	0.7
16-	45.1494-	114.1722-	2-	12-	0-	17577	74920	-0.13	635	9145	127	553	14.3	72	23.5	9	1.6	41710	18.2	23710	58	0.7
16-	45.5128-	114.0086-	2-	12-	0-	17578	28020	-0.14	1030	20540	51	-85	-1.8	-12	7.6	7	1.3	10580	3.1	7688	53	-0.1
16-	45.5256-	114.0067-	2-	11-	0-	17579	58060	-0.12	990	8261	71	-100	7.2	41	6.4	7	1.2	22310	9.2	22200	36	0.3
16-	45.5356-	114.0122-	2-	12-	0-	17580	59870	-0.13	1174	4514	98	-160	19.5	53	5.0	5	0.9	31480	11.0	25740	38	0.6
16-	45.5136-	114.0667-	2-	12-	0-	17581	60150	-0.12	1530	7887	81	-104	12.8	39	5.1	7	1.5	26620	11.0	18000	33	0.5
16-	45.5347-	114.0575-	2-	12-	0-	17582	57840	-0.09	1225	7046	66	-94	5.7	62	4.1	7	1.5	29730	21.0	19350	44	0.6
16-	45.5175-	114.0236-	2-	15-	0-	17583	43870	-0.12	930	6012	54	-122	5.4	39	3.8	7	1.5	17270	9.5	17110	39	0.5
16-	45.4836-	114.0461-	2-	15-	0-	17584	44900	-0.14	1305	19910	48	243	5.2	27	9.9	4	1.2	14640	4.8	14920	33	0.3
16-	45.4850-	114.0775-	2-	12-	0-	17585	60650	-0.12	1132	8648	92	-106	7.9	47	7.7	7	1.6	24360	14.5	24650	40	0.5
16-	45.4592-	114.1047-	2-	12-	0-	17586	58950	-0.11	639	9706	73	163	7.9	40	14.0	7	1.3	20050	5.8	21760	56	0.5
16-	45.4500-	114.0978-	2-	11-	0-	17587	76040	-0.11	1057	3804	163	179	12.3	29	16.6	7	0.7	30270	8.7	34390	40	0.5
16-	45.4233-	114.0750-	2-	12-	0-	17588	59850	0.23	772	8199	79	190	4.8	38	11.1	8	1.4	19100	12.1	22600	50	0.5
16-	45.4172-	114.0856-	2-	12-	0-	17589	51420	-0.13	734	9352	89	298	7.0	34	11.3	9	1.9	22730	8.7	25220	54	0.6
16-	45.4089-	114.0972-	2-	12-	0-	17590	62140	-0.09	703	8191	86	405	8.8	46	4.0	6	1.4	27910	12.5	18480	44	0.4
16-	45.4692-	114.5581-	2-	12-	0-	17591	73190	-0.16	625	18590	295	-150	12.3	65	4.8	20	2.8	35320	29.1	18430	177	1.3
16-	45.4750-	114.5678-	2-	12-	0-	17592	68550	-0.17	713	22570	352	225	6.6	35	3.5	15	2.0	30640	74.2	18980	178	0.9
16-	45.4722-	114.5694-	2-	11-	0-	17593	57670	-0.16	495	19090	131	-120	6.7	39	5.5	13	1.3	27680	19.8	13630	100	0.7
16-	45.4633-	114.5772-	2-	12-	0-	17594	75320	-0.11	541	15440	380	-129	6.4	34	6.7	16	1.5	30070	39.3	22780	205	1.3
16-	45.4639-	114.5786-	2-	12-	0-	17595	54300	-0.14	469	13600	106	-144	10.2	49	4.8	10	1.9	30280	10.7	9414	56	0.6
16-	45.4606-	114.5828-	2-	12-	0-	17596	64160	-0.18	577	17960	176	-144	7.9	62	4.3	18	2.3	34290	25.8	17010	118	1.2
16-	45.4558-	114.5972-	2-	11-	0-	17597	77960	-0.12	469	13550	310	-124	5.5	-11	5.0	15	1.5	23040	48.7	21540	165	1.3
16-	45.4544-	114.5967-	2-	12-	0-	17598	67880	-0.13	594	20820	155	-141	8.8	51	4.0	16	1.9	29060	42.0	20410	92	1.0
16-	45.4406-	114.5939-	2-	12-	0-	17599	73870	-0.11	439	13760	323	-144	5.9	29	6.1	16	1.6	24630	41.0	21940	177	1.2
16-	45.4297-	114.6053-	2-	12-	0-	17600	64920	-0.15	904	14880	140	-129	9.1	65	4.8	12	1.8	32300	11.6	22170	88	0.7
16-	45.4306-	114.6192-	2-	12-	0-	17601	74300	-0.13	513	14560	248	-129	7.2	28	5.7	14	1.5	26820	32.6	21570	128	1.1
16-	45.4308-	114.6208-	2-	12-	0-	17602	75760	-0.13	746	31650	121	-130	15.0	103	3.6	11	2.0	34570	24.5	18260	77	0.7
16-	45.4250-	114.6339-	2-	15-	0-	17603	74500	-0.14	732	14220	125	192	23.4	109	4.5	12	2.2	47950	12.8	23480	62	0.6
16-	45.4264-	114.6481-	2-	12-	0-	17604	68450	-0.13	598	19110	375	-127	10.1	61	3.8	19	2.4	43970	50.0	22370	191	1.6
16-	45.4267-	114.6511-	2-	12-	0-	17605	63520	-0.14	615	31840	132	-121	14.2	173	-2.2	7	1.6	37450	20.5	15800	72	0.5
16-	45.4222-	114.6750-	2-	12-	0-	17606	65880	-0.14	504	56390	143	161	27.6	394	2.8	9	2.2	63600	26.0	15190	67	0.6
16-	45.4203-	114.6900-	2-	12-	0-	17607	71100	-0.15	621	41290	143	-142	20.4	192	-2.4	8	1.9	46980	21.9	9759	71	0.5
16-	45.4189-	114.6936-	2-	15-	0-	17608	80060	-0.14	751	30710	146	-117	13.7	96	5.7	7	1.6	48770	11.4	22760	64	0.4
16-	45.4186-	114.6922-	2-	12-	0-	17609	72580	-0.14	763	27810	155	-112	17.0	78	5.2	8	1.8	45800	17.4	20450	77	0.4
16-	45.4078-	114.7189-	2-	12-	0-	17610	54370	-0.15	-149	24860	1154	-118	14.5	220	2.6	53	7.4	100100	252.4	12580	550	5.4
16-	45.4083-	114.7194-	2-	12-	0-	17611	70910	-0.12	633	29820	178	-128	13.2	158	2.9	10	1.8	41690	16.6	19300	88	0.6
16-	45.4094-	114.7272-	2-	15-	0-	17612	73970	-0.15	650	40530	112	-116	23.7	213	3.2	6	1.8	57790	17.5	15640	54	0.2
16-	45.6483-	114.6094-	2-	11-	0-	17613	76280	-0.13	655	9675	73	688	6.5	-11	3.7	6	0.9	18280	6.6	17680	46	0.3
16-	45.6667-	114.6514-	2-	12-	0-	17614	77410	-0.10	-150	12510	198	-133	6.8	-9	6.9	21	1.2	21960	29.0	26280	137	1.1

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

④

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.8281-	114.9519-	2-	12-		0-L17564	4149	332	19950	123	-2	5.5	10.8	-197	3	-1	25.7	2460	32	5.9	71	0.354
16-	45.8356-	114.9667-	2-	11-		0-L17565	4126	474	12750	94	-2	6.9	15.0	-232	-2	1	19.8	3117	47	8.9	-37	0.488
16-	45.8281-	114.9906-	2-	11-		0-L17566	5118	345	12010	86	-2	7.6	5.8	-238	-2	-1	8.3	2795	44	5.0		0.423
16-	45.7072-	115.0297-	2-	11-		0-L17567	-2485	1152	19430	-52	-3	14.8	23.2	-416	-2	-1	23.3	9205	57	8.2	276	0.542
16-	45.6983-	114.9997-	2-	11-		0-L17568	7393	603	22320	-37	-2	11.9	8.7	-279	-1	-1	20.9	4455	68	4.1	72	0.723
16-	45.6817-	114.9453-	2-	11-		0-L17569	-2210	312	27510	251	-1	2.6	7.4	-244	5	1	24.8	1327	13	7.2	88	0.287
16-	45.6403-	114.9294-	2-	11-		0-L17570	-3159	1776	19490	-57	-3	10.1	14.4	-568	-2	-1	13.6	4780	24	6.8	196	0.432
16-	45.6314-	114.8922-	2-	11-		0-L17571	6653	673	22240	76	-3	8.0	7.8	-302	-2	-1	17.1	3057	46	5.2	-78	0.420
16-	45.6406-	114.8211-	2-	11-		0-L17572	38660	1247	16810	-50	-4	22.0	7.2	-364	-1	-1	6.6	9130	158	-2.8	-56	0.750
16-	45.7258-	114.7714-	2-	12-		0-L17573	9141	762	25740	123	-3	10.9	19.5	-307	-1	-1	28.5	6525	44	7.5	-38	0.674
16-	45.0611-	114.0281-	2-	12-		0-L17574	5811	421	18080	70	-2	7.5	4.2	552	-1		9.1	5577	74	2.1	45	0.367
16-	45.1253-	114.1408-	2-	11-		0-L17575	5312	625	10990	131	-3	9.7	11.4	-270	-2	-1	15.6	3413	57	7.7		0.517
16-	45.1267-	114.1556-	2-	12-		0-L17576	5014	322	11910	100	-3	9.0	9.0	-245	-1	1	12.7	3438	49	8.1	68	0.498
16-	45.1494-	114.1722-	2-	12-		0-L17577	6645	730	11440	187	-3	13.9	10.3	-281	-1	-1	21.4	4995	81	8.7	-56	0.240
16-	45.5128-	114.0086-	2-	12-		0-L17578	5330	219	3705	-50	-3	4.4	9.4	-244	-2	-1	4.8	906	29	-2.4	-75	10.392
16-	45.5256-	114.0067-	2-	11-		0-L17579	5409	199	9999	113	-3	8.1	6.8	-211	-1	-1	11.0	3007	47	4.1	130	0.335
16-	45.5356-	114.0122-	2-	12-		0-L17580	-3154	3121	11200	125	6	10.2	6.3	-622	-1	-1	14.2	2719	47	5.7		0.283
16-	45.5136-	114.0667-	2-	12-		0-L17581	5795	771	12130	-37	-3	8.3	9.8	-317	-2	-1	12.2	3162	51	6.1	128	1.550
16-	45.5347-	114.0575-	2-	12-		0-L17582	5283	388	14480	75	-2	7.9	5.6	-196	-1	-1	11.9	3687	49	6.1	-20	1.899
16-	45.5175-	114.0236-	2-	15-		0-L17583	4915	320	11530	116	-3	6.5	7.4	-249	-1	-1	10.6	2497	32	5.2		1.795
16-	45.4836-	114.0461-	2-	15-		0-L17584	3516	1064	9461	-39	-4	6.0	4.3	-442	-2	-1	6.6	1719	39	3.0	-79	2.165
16-	45.4850-	114.0775-	2-	12-		0-L17585	6872	955	13330	126	-3	9.7	6.3	-336	-1	-1	11.6	3515	56	6.2	153	0.613
16-	45.4592-	114.1047-	2-	12-		0-L17586	4006	574	9658	113	-3	7.6	7.1	-246	-1	-1	8.2	2826	38	5.0	-89	3.216
16-	45.4500-	114.0978-	2-	11-		0-L17587	4948	691	12050	147	-3	10.8	6.1	-269	-2	-1	16.4	2971	44	4.3	405	0.289
16-	45.4233-	114.0750-	2-	12-		0-L17588	4654	275	12920	140	-3	8.3	7.9	-229	-1	1	9.3	3015	44	4.4	85	1.408
16-	45.4172-	114.0856-	2-	12-		0-L17589	6712	433	13010	104	-3	9.1	13.3	-268	-1	-1	11.0	2899	54	-2.3	136	1.185
16-	45.4089-	114.0972-	2-	12-		0-L17590	5692	324	16450	118	-2	9.1	6.5	-184	-1	-1	11.2	3431	53	4.7	52	1.896
16-	45.4592-	114.5581-	2-	12-		0-L17591	5849	764	17130	109	-4	14.2	30.4	-342	-2	2	36.1	3465	76	15.1	126	2.558
16-	45.4750-	114.5678-	2-	12-		0-L17592	6688	729	22810	-46	-4	13.3	19.8	-370	-2	-1	43.8	6496	54	10.5	83	0.435
16-	45.4722-	114.5694-	2-	11-		0-L17593	7671	535	13590	-48	-4	11.6	10.4	-330	-2	1	20.1	3013	58	8.3	151	2.136
16-	45.4633-	114.5772-	2-	12-		0-L17594	5090	634	27570	138	-3	10.7	24.6	-257	5	2	70.2	5642	44	14.2	-120	0.490
16-	45.4639-	114.5786-	2-	12-		0-L17595	6203	689	14260	117	-4	12.4	11.5	-329	-2	-1	16.5	3427	63	-2.3	84	1.450
16-	45.4606-	114.5828-	2-	12-		0-L17596	7132	721	17610	-54	-5	12.1	19.0	-391	-2	-2	27.6	5455	81	12.2	157	1.887
16-	45.4558-	114.5872-	2-	11-		0-L17597	5763	414	28500	118	-3	9.1	27.2	-276	5	2	58.8	4700	36	13.6	121	0.573
16-	45.4544-	114.5867-	2-	12-		0-L17598	6055	737	19680	-41	-3	11.3	16.8	-315	-2	2	24.8	4902	69	10.1	-51	0.821
16-	45.4406-	114.5839-	2-	12-		0-L17599	5767	500	28250	147	-3	9.4	22.2	-270	6	2	61.4	4862	34	13.2	155	0.442
16-	45.4297-	114.6053-	2-	12-		0-L17600	6953	775	13750	-47	-4	9.9	11.8	-382	-2	-1	16.6	4361	68	8.4	89	3.225
16-	45.4306-	114.6192-	2-	12-		0-L17601	10130	587	26100	172	-3	9.5	21.2	-309	3	1	46.2	4552	52	11.7	104	0.815
16-	45.4309-	114.6208-	2-	12-		0-L17602	15040	750	21710	-41	-3	15.7	13.3	-284	-2	-1	19.0	5692	88	7.1	79	1.349
16-	45.4250-	114.6339-	2-	15-		0-L17603	9985	1000	12540	97	-4	15.0	12.7	-333	-1	-1	16.7	5317	79	9.0	119	1.389
16-	45.4264-	114.6481-	2-	12-		0-L17604	7348	752	23920	144	-4	11.4	20.8	-321	7	2	55.6	7823	88	16.3	94	0.511
16-	45.4267-	114.6511-	2-	12-		0-L17605	16950	816	20060	-41	-4	17.3	12.0	-330	-2	-1	20.0	5067	96	6.1	154	0.637
16-	45.4222-	114.6750-	2-	12-		0-L17606	32130	1244	17000	75	-4	36.3	12.1	686	-1	-1	16.4	6373	170	8.0	107	0.605
16-	45.4203-	114.6900-	2-	12-		0-L17607	20040	929	18540	-51	-4	21.5	11.6	-333	-2	-1	17.4	6821	114	6.0	194	0.622
16-	45.4159-	114.6936-	2-	15-		0-L17608	19500	876	18030	128	-4	15.5	10.0	-330	-2	-1	17.0	6665	108	4.6	-51	0.396
16-	45.4186-	114.6922-	2-	12-		0-L17609	18710	957	17550	155	-4	14.2	11.8	-325	-2	-1	20.4	7278	107	3.8	-15	0.383
16-	45.4078-	114.7189-	2-	12-		0-L17610	9697	1250	18700	58	-4	18.0	78.0	-239	12	6	221.4	15650	193	62.7	212	0.253
16-	45.4033-	114.7194-	2-	12-		0-L17611	14770	809	19340	93	-3	15.0	13.8	-282	-2	-1	28.6	4522	102	4.6	201	0.346
16-	45.4034-	114.7272-	2-	15-		0-L17612	25440	890	18020	-46	-4	18.7	8.4	-337	-1	-1	9.9	8440	132	4.1	-53	0.442
16-	45.6483-	114.6094-	2-	11-		0-L17613	-2391	424	19240	-37	-3	5.8	7.2	-323	-1	-1	13.7	3598	36	3.3	144	0.532
16-	45.6557-	114.6514-	2-	12-		0-L17614	7059	676	26010	151	-3	7.5	25.6	-279	4	2	31.6	3183	40	10.6	164	1.298

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																									U CONCENTRATION
							TIME SAMPLED																								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SCINTILLOMETER (nU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.6672-	114.6514-	2-	12-	0-	L17615-	08/13/79-	11-	10-	9.3-	-	-	7.4-	22-	32-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	22.54
16-	45.6714-	114.6329-	2-	11-	0-	L17616-	08/13/79-	11-	10-	7.3-	-	-	7.5-	37-	16-	2-	6-	3-	6-	2-	3-	1-	-1-	3-	5-	4-	-1-	-	-	-	-	25.71
16-	45.6711-	114.6294-	2-	12-	0-	L17617-	08/13/79-	12-	11-	6.3-	-	-	7.5-	31-	32-	2-	6-	5-	6-	3-	3-	1-	2-	1-	4-	5-	4-	-1-	-	-	-	-	192.40
16-	45.6711-	114.6228-	2-	12-	0-	L17618-	08/13/79-	12-	11-	9.0-	-	-	7.5-	30-	9-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	20.83
16-	45.6719-	114.6225-	2-	12-	0-	L17619-	08/13/79-	12-	10-	9.4-	-	-	7.6-	21-	14-	2-	6-	3-	1-	3-	3-	1-	2-	1-	3-	5-	4-	-1-	-	-	-	-	38.23
16-	45.3117-	114.4886-	2-	15-	0-	L17620-	08/14/79-	11-	29-	-	-	-	-	-	17-	2-	6-	4-	6-	-1-	-2-	1-	2-	5-	2-	-1-	-	-	-	-	-	3.58
16-	45.3175-	114.4708-	2-	15-	0-	L17621-	08/14/79-	12-	29-	-	-	-	-	-	15-	2-	6-	4-	6-	-1-	-2-	1-	2-	5-	2-	-1-	-	-	-	-	-	8.63
16-	45.3244-	114.4150-	2-	15-	0-	L17622-	08/14/79-	12-	30-	-	-	-	-	-	9-	2-	6-	4-	1-	-1-	-2-	1-	2-	5-	2-	-1-	-	-	-	-	-	6.90
16-	45.3828-	114.0686-	2-	15-	0-	L17623-	08/14/79-	11-	33-	-	-C-	-	-	-	5-	2-	6-	5-	6-	-1-	-2-	3-	2-	5-	2-	-9-	-	-	-	-	-	5.56
16-	45.4075-	114.2186-	2-	15-	0-	L17624-	08/14/79-	11-	35-	-	-	-	-	-	25-	2-	6-	5-	6-	-1-	-2-	3-	2-	5-	1-	-1-	-	-	-	-	-	8.71
16-	45.4119-	114.1972-	2-	15-	0-	L17625-	08/14/79-	12-	35-	-	-	-	-	-	6-	2-	6-	5-	6-	-1-	-2-	1-	2-	5-	1-	-1-	-	-	-	-	-	1.77
16-	45.4317-	114.2119-	2-	15-	0-	L17626-	08/14/79-	12-	35-	-	-	-	-	-	41-	2-	6-	4-	6-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	3.23
16-	45.4167-	114.1636-	2-	15-	0-	L17627-	08/14/79-	13-	35-	-	-	-	-	-	6-	2-	6-	5-	8-	-1-	-2-	1-	2-	5-	1-	-3-	-	-	-	-	-	1.44
16-	45.4289-	114.1681-	2-	15-	0-	L17628-	08/14/79-	13-	35-	-	-	-	-	-	8-	2-	6-	5-	6-	-1-	-2-	1-	2-	5-	1-	-1-	-	-	-	-	-	1.02
16-	45.4294-	114.1611-	2-	12-	0-	L17629-	08/14/79-	13-	35-	14.7-	-	-	7.7-	125-	12-	2-	6-	5-	8-	2-	2-	1-	2-	4-	3-	5-	1-	-3-	-	-	-	-	7.44
16-	45.4529-	114.1494-	2-	12-	0-	L17630-	08/14/79-	14-	35-	7.4-	-	-	8.0-	121-	18-	2-	6-	4-	6-	2-	2-	1-	2-	2-	4-	5-	1-	-1-	-	-	-	-	9.33
16-	45.4544-	114.1536-	2-	15-	0-	L17631-	08/14/79-	14-	35-		-C-	-	-	-	12-	2-	6-	5-	6-	-1-	-2-	1-	2-	5-	1-	-9-	-	-	-	-	-	4.18
16-	45.4772-	114.1389-	2-	12-	0-	L17632-	08/14/79-	14-	35-	6.9-	-	-	8.1-	62-	10-	2-	6-	5-	6-	2-	2-	1-	2-	2-	2-	5-	1-	-1-	-	-	-	-	33.74
16-	45.3972-	114.1567-	2-	15-	0-	L17633-	08/14/79-	15-	35-	-	-	-	-	-	36-	2-	6-	5-	7-	-1-	-2-	3-	2-	5-	2-	-1-	-	-	-	-	-	4.40
16-	45.4033-	114.7364-	2-	15-	0-	L17634-	08/15/79-	10-	30-	-	-	-	-	-	12-	2-	6-	5-	6-	-1-	-2-	3-	2-	5-	1-	-1-	-	-	-	-	-	4.07
16-	45.0197-	114.4486-	2-	12-	0-	L17635-	08/16/79-	12-	32-	9.9-	-	-	7.5-	55-	12-	2-	6-	5-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	13.68
16-	45.0181-	114.4464-	2-	15-	0-	L17636-	08/16/79-	12-	32-	-	-	-	-	-	11-	2-	6-	5-	6-	-1-	-2-	1-	3-	5-	2-	-1-	-	-	-	-	-	32.11
16-	45.0878-	114.4661-	2-	11-	0-	L17637-	08/16/79-	13-	30-	10.4-	-	-	7.5-	57-	22-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	5-	2-	-1-	-	-	-	-	120.40
16-	45.0936-	114.4897-	2-	11-	0-	L17638-	08/16/79-	13-	30-	7.1-	-	-	7.9-	9-	45-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	5-	1-	-1-	-	-	-	-	33.04
16-	45.1044-	114.5247-	2-	11-	0-	L17639-	08/16/79-	13-	30-	10.2-	-	-	7.7-	9-	20-	2-	1-	5-	3-	2-	2-	1-	-1-	2-	5-	2-	-1-	-	-	-	-	67.48
16-	45.0856-	114.5336-	2-	12-	0-	L17640-	08/16/79-	14-	30-	11.7-	-	-	7.5-	4-	66-	2-	1-	4-	6-	2-	2-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	25.98
16-	45.0772-	114.5414-	2-	11-	0-	L17641-	08/16/79-	14-	28-	7.1-	-	-	7.4-	6-	25-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	5-	3-	-1-	-	-	-	-	15.49
16-	45.0481-	114.5678-	2-	12-	0-	L17642-	08/16/79-	15-	28-	9.5-	-	-	8.1-	9-	40-	2-	7-	4-	6-	2-	2-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	33.50
16-	45.0603-	114.5506-	2-	11-	0-	L17643-	08/16/79-	16-	28-	10.6-	-	-	6.9-	15-	35-	2-	1-	5-	6-	2-	2-	1-	-1-	4-	5-	4-	-1-	-	-	-	-	5.70
16-	45.0500-	114.2817-	2-	15-	0-	L17644-	08/16/79-	17-	25-		-	-	-	-	30-	2-	6-	5-	6-	-1-	-2-	1-	3-	4-	4-	-1-	-	-	-	-	-	4.26
16-	45.0583-	114.2772-	2-	11-	0-	L17645-	08/16/79-	17-	25-	7.4-	-	-	7.1-	135-	20-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	4-	4-	-1-	-	-	-	-	4.67
16-	45.3394-	114.3364-	2-	12-	0-	L17646-	08/17/79-	10-	27-	11.8-	-	-	7.9-	237-	10-	2-	6-	2-	6-	3-	2-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	12.86
16-	45.1706-	114.1594-	2-	15-	0-	L17647-	08/14/79-	14-	26-		-	-	-	-	8-	2-	6-	3-	1-	-1-	-2-	1-	4-	4-	1-	-1-	-	-	-	-	-	10.52
16-	45.1400-	114.2017-	2-	15-	0-	L17648-	08/14/79-	14-	27-		-	-	-	-	25-	2-	6-	5-	6-	-1-	-2-	1-	3-	4-	2-	-1-	-	-	-	-	-	103.50
16-	45.0933-	114.2344-	2-	15-	0-	L17649-	08/14/79-	14-	27-		-	-	-	-	18-	2-	6-	5-	8-	-1-	-2-	1-	3-	5-	3-	-1-	-	-	-	-	-	66.67
16-	45.1094-	114.2219-	2-	11-	0-	L17650-	08/14/79-	15-	27-	9.7-	-	-	7.8-	132-	12-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	4-	3-	-1-	-	-	-	-	28.98
16-	45.1617-	114.2875-	2-	15-	0-	L17651-	08/14/79-	15-	25-		-	-	-	-	35-	2-	6-	5-	8-	-1-	-1-	1-	3-	4-	3-	-1-	-	-	-	-	-	137.50
16-	45.1908-	114.3183-	2-	15-	0-	L17652-	08/14/79-	15-	26-		-C-	-	-	-		-2-	6-	5-	8-	-1-	-2-	1-	3-	5-	3-	-1-	-	-	-	-	-	76.04
16-	45.2653-	114.3256-	2-	15-	0-	L17653-	08/14/79-	16-	24-		-	-	-	-	25-	2-	6-	5-	8-	-1-	-2-	4-	3-	4-	2-	-1-	-	-	-	-	-	3.68
16-	45.2328-	114.3436-	2-	15-	0-	L17654-	08/14/79-	16-	24-		-	-	-	-	20-	2-	6-	4-	6-	-1-	-2-	4-	3-	4-	2-	-1-	-	-	-	-	-	6.70
16-	45.3006-	114.3661-	2-	15-	0-	L17655-	08/14/79-	16-	26-		-	-	-	-	30-	2-	6-	4-	6-	-1-	-2-	4-	3-	5-	2-	-1-	-	-	-	-	-	16.81
16-	45.3000-	114.3792-	2-	15-	0-	L17656-	08/14/79-	16-	27-		-C-	-	-	-		-2-	6-	5-	6-	-1-	-1-	1-	3-	5-	2-	-1-	-	-	-	-	-	7.12
16-	45.3044-	114.3794-	2-	15-	0-	L17657-	08/14/79-	17-	27-		-	-	-	-	9-	2-	6-	5-	6-	-1-	-2-	1-	3-	5-	2-	-1-	-	-	-	-	-	6.89
16-	45.4400-	114.5833-	2-	12-	0-	L17658-	08/15/79-	14-	29-	10.7-	-	-	6.9-	27-	14-	2-	6-	5-	2-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	22.22
16-	45.4336-	114.5722-	2-	12-	0-	L17659-	08/15/79-	14-	29-	9.5-	-	-	6.9-	33-	41-	2-	6-	2-	6-	2-	2-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	9.29
16-	45.4328-	114.5733-	2-	15-	0-	L17660-	08/15/79-	14-	29-		-	-	-	-	19-	2-	6-	5-	6-	-1-	-2-	1-	2-	5-	2-	-1-	-	-	-	-	-	30.20
16-	45.4306-	114.5656-	2-	12-	0-	L17661-	08/15/79-	15-	30-	11.1-	-	-	7.0-	23-	21-	2-	6-	2-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	35.97
16-	45.4292-	114.5669-	2-	12-	0-	L17662-	08/15/79-	15-	30-	10.7-	-	-	7.0-	32-	13-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	37.54
16-	45.3164-	114.6292-	2-	15-	0-	L17663-	08/15/79-	19-	24-		-	-	-	-	12-	2-	6-	5-	6-	-1-	-2-	1-	2-	5-	2-	-1-	-	-	-	-	-	5.52
16-	45.3194-	114.6356-	2-	15-	0-	L17664-	08/15/79-	19-	24-		-	-	-	-	12-	2-	6-	1-	6-	-1-	-2-	1-	2-	5-	2-	-1-	-	-	-	-	-	7.05
16-	45.4886-	114.5350-	2-	12-	0-	L17665-	08/15/79-	12-	24-	11.4-	-	-	7.8-	117-	20-	2-	6-	3-	6-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	214.40

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LASL SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-45.6672-114.6514-2-12-	0-L17615	-5	13	-5	-10	-20	16	13	-10	-15	6	-5	569	5	60
16-45.6714-114.5328-2-11-	0-L17616	-5	6	-5	27	-20	44	6	-10	-15	7	-5	992	2	160
16-45.6711-114.6294-2-12-	0-L17617	-5	9	-5	46	-20	-15	15	-10	-15	13	-5	260	16	75
16-45.6711-114.6228-2-12-	0-L17618	-5	10	-5	18	-20	-15	12	-10	15	6	-5	797	7	127
16-45.6719-114.6225-2-12-	0-L17619	-5	10	-5	16	-20	-15	12	-10	-15	7	-5	406	6	59
16-45.3117-114.4886-2-15-	0-L17620	-5	-5	-5	23	-20	25	17	-10	-15	5	-5	340	2	34
16-45.3175-114.4708-2-15-	0-L17621	-5	-5	-5	29	-20	25	12	-10	16	-5	-5	547	2	36
16-45.3244-114.4150-2-15-	0-L17622	-5	9	-5	22	-20	-15	10	-10	-15	10	-5	732	2	36
16-45.3828-114.0585-2-15-	0-L17623	-5	-5	-5	45	-20	29	-5	-10	-15	9	-5	264	1	22
16-45.4075-114.2186-2-15-	0-L17624	-5	9	-5	24	-20	17	-5	-10	-15	9	-5	1199	3	35
16-45.4119-114.1972-2-15-	0-L17625	-5	-5	-5	42	-20	42	-5	-10	-15	7	-5	229	-1	21
16-45.4317-114.2119-2-15-	0-L17626	-5	9	-5	31	-20	42	7	-10	-15	9	-5	376	-1	43
16-45.4167-114.1636-2-15-	0-L17627	-5	-5	-5	93	-20	59	10	-10	-15	-5	-5	118	-1	24
16-45.4289-114.1681-2-15-	0-L17628	-5	-5	-5	53	-20	48	-5	-10	-15	-5	-5	299	-1	19
16-45.4294-114.1611-2-12-	0-L17629	-5	-5	-5	63	-20	62	-5	-10	-15	13	-5	549	-1	23
16-45.4528-114.1494-2-12-	0-L17630	-5	-5	-5	367	-20	52	-5	-10	-15	196	-5	119	2	9
16-45.4544-114.1536-2-15-	0-L17631	-5	-5	-5	99	-20	28	12	-10	23	16	-5	277	2	27
16-45.4772-114.1389-2-12-	0-L17632	-5	7	-5	46	-20	19	11	-10	-15	-5	-5	313	1	39
16-45.3972-114.1567-2-15-	0-L17633	-5	7	-5	47	-20	27	-5	-10	-15	14	-5	244	-1	16
16-45.4033-114.7364-2-15-	0-L17634	-5	-5	-5	39	-20	21	22	-10	15	-5	-5	199	2	50
16-45.0197-114.4486-2-12-	0-L17635	-5	-5	-5	14	-20	-15	-5	-10	-15	5	-5	295	2	24
16-45.0181-114.4464-2-15-	0-L17636	-5	5	-5	22	-20	19	-5	-10	-15	10	-5	247	-1	41
16-45.0878-114.4661-2-11-	0-L17637	-5	-5	-5	24	-20	25	-5	-10	16	-5	-5	232	5	40
16-45.0936-114.4897-2-11-	0-L17638	-5	12	-5	-10	32	18	20	10	24	7	-5	426	9	108
16-45.1044-114.5247-2-11-	0-L17639	-5	14	-5	16	24	-15	32	-10	21	8	-5	334	13	115
16-45.0856-114.5336-2-12-	0-L17640	-5	16	-5	12	-20	-15	31	-10	18	-5	-5	456	9	83
16-45.0772-114.5414-2-11-	0-L17641	-5	9	-5	17	-20	-15	25	-10	-15	-5	-5	333	4	87
16-45.0481-114.5678-2-12-	0-L17642	-5	19	-5	-10	48	-15	11	-10	20	14	-5	1979	8	40
16-45.0603-114.5506-2-11-	0-L17643	-5	-5	-5	10	-20	-15	17	-10	-15	-5	-5	110	3	9
16-45.0500-114.2817-2-15-	0-L17644	-5	5	-5	32	-20	25	-5	-10	-15	25	-5	239	3	31
16-45.0583-114.2772-2-11-	0-L17645	-5	9	-5	33	-20	39	9	-10	-15	44	-5	251	2	42
16-45.3394-114.3364-2-12-	0-L17646	-5	9	-5	21	-20	23	17	-10	-15	-5	-5	475	-1	50
16-45.1706-114.1594-2-15-	0-L17647	-5	8	-5	28	-20	15	9	-10	-15	12	-5	258	-1	20
16-45.1400-114.2017-2-15-	0-L17648	-5	-5	-5	30	-20	-15	13	-10	-15	9	-5	241	2	27
16-45.0933-114.2344-2-15-	0-L17649	-5	-5	-5	144	-20	37	8	-10	-15	93	-5	185	3	47
16-45.1094-114.2219-2-11-	0-L17650	-5	-5	-5	45	29	-15	10	-10	-15	258	-5	535	2	39
16-45.1617-114.2875-2-15-	0-L17651	-5	-5	-5	25	-20	-15	-5	-10	-15	10	-5	356	2	14
16-45.1908-114.3183-2-15-	0-L17652	-5	-5	-5	41	-20	24	20	-10	-15	9	-5	568	4	45
16-45.2653-114.3256-2-15-	0-L17653	-5	-5	-5	46	28	29	11	-10	-15	10	-5	729	-1	38
16-45.2828-114.3436-2-15-	0-L17654	-5	-5	-5	61	-20	28	16	13	25	11	-5	532	3	41
16-45.3006-114.3661-2-15-	0-L17655	-5	-5	-5	44	-20	-15	-5	-10	-15	32	-5	74	4	48
16-45.3000-114.3792-2-15-	0-L17656	-5	-5	-5	33	-20	-15	9	-10	39	7	-5	569	-1	15
16-45.3044-114.3794-2-15-	0-L17657	-5	-5	-5	27	31	31	-5	-10	25	13	-5	863	2	42
16-45.4400-114.5833-2-12-	0-L17658	-5	-5	-5	30	24	29	14	-10	-15	7	-5	362	3	41
16-45.4336-114.5722-2-12-	0-L17659	-5	-5	-5	45	-20	38	12	-10	-15	8	-5	432	2	42
16-45.4328-114.5733-2-15-	0-L17660	-5	7	-5	-10	-20	30	13	-10	19	7	-5	1666	4	107
16-45.4306-114.5656-2-12-	0-L17661	-5	-5	-5	26	-20	-15	18	13	-15	-5	-5	614	4	34
16-45.4292-114.5569-2-12-	0-L17662	-5	-5	-5	52	-20	49	6	-10	22	14	-5	352	2	44
16-45.3164-114.6292-2-15-	0-L17663	-5	-5	-5	58	-20	44	8	-10	-15	17	-5	336	3	41
16-45.3194-114.6356-2-15-	0-L17664	-5	11	-5	43	-20	22	25	-10	-15	7	-5	475	3	45
16-45.4886-114.5350-2-12-	0-L17665	-5	-5	-5	34	-20	22	-5	-10	-15	12	-5	214	3	165

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Concentrations reported in weight pars per million (ppm)															
							Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.6672-	114.6514-	2-	12-	0-	L17615	78750	-0.10	621	14960	152	-139	7.8	47	5.2	12	1.4	24130	20.7	26470	93	0.6
16-	45.6714-	114.6328-	2-	11-	0-	L17616	79080	-0.19	675	22530	199	-129	13.4	120	4.6	14	2.2	51150	41.1	18650	91	0.8
16-	45.6711-	114.6294-	2-	12-	0-	L17617	74930	-0.15	405	10630	211	-138	4.2	-14	12.0	55	2.7	18810	13.8	23920	288	2.8
16-	45.6711-	114.6228-	2-	12-	0-	L17618	82120	-0.11	876	19520	164	-132	10.3	91	2.5	10	1.5	28340	27.6	29820	93	0.7
16-	45.6719-	114.6225-	2-	12-	0-	L17619	68560	-0.11	394	12410	101	-146	5.4	21	4.1	14	1.6	15480	16.4	26390	87	0.8
16-	45.3117-	114.4886-	2-	15-	0-	L17620	65970	-0.13	1742	10590	112	233	9.6	88	7.5	8	1.7	33630	14.0	39110	48	0.5
16-	45.3175-	114.4708-	2-	15-	0-	L17621	75900	-0.13	1233	10450	243	258	15.6	106	7.4	15	2.5	51360	22.7	37940	100	1.1
16-	45.3244-	114.4150-	2-	15-	0-	L17622	77760	-0.10	1634	12220	218	-113	8.1	53	3.5	13	3.2	58040	26.8	38500	90	1.0
16-	45.3828-	114.0686-	2-	15-	0-	L17623	55120	-0.15	546	95730	73	589	21.6	84	6.2	9	1.4	46280	9.7	15530	30	0.6
16-	45.4075-	114.2186-	2-	15-	0-	L17624	77560	-0.15	541	14960	238	306	14.3	58	4.9	22	1.9	49750	44.2	30110	94	1.9
16-	45.4119-	114.1972-	2-	15-	0-	L17625	70350	-0.16	574	52040	86	427	27.4	137	-2.6	8	1.6	59550	7.8	16010	32	0.5
16-	45.4317-	114.2119-	2-	15-	0-	L17626	78730	-0.13	1594	23010	152	405	18.6	108	3.8	9	2.1	46440	14.3	20650	68	0.7
16-	45.4167-	114.1636-	2-	15-	0-	L17627	65240	-0.18	550	41420	46	770	39.1	186	-2.9	7	1.3	78400	4.0	16290	-11	0.4
16-	45.4289-	114.1681-	2-	15-	0-	L17628	55010	-0.18	622	113000	82	550	34.3	89	-2.9	8	1.6	70030	11.1	-4249	39	0.5
16-	45.4294-	114.1611-	2-	12-	0-	L17629	64710	-0.19	384	41380	80	815	35.5	123	-3.1	9	1.4	82530	23.7	15960	34	0.9
16-	45.4528-	114.1494-	2-	12-	0-	L17630	22150	5.81	2644	3433	49	-62	24.0	64	7.6	3	1.0	121300	3.7	10340	33	0.3
16-	45.4544-	114.1535-	2-	15-	0-	L17631	57440	0.65	1679	6335	76	203	12.5	54	8.3	7	0.9	32390	9.2	23430	36	0.4
16-	45.4772-	114.1389-	2-	12-	0-	L17632	64800	-0.14	955	12950	102	-103	8.1	55	13.2	7	1.4	28380	12.7	19330	45	0.5
16-	45.3972-	114.1567-	2-	15-	0-	L17633	43810	-0.17	626	169700	95	474	20.8	45	-2.7	11	2.0	49870	11.0	10960	40	0.6
16-	45.4033-	114.7364-	2-	15-	0-	L17634	61910	-0.12	697	23800	61	-133	16.6	206	3.6	-1	1.1	32340	5.9	18700	27	0.3
16-	45.0197-	114.4486-	2-	12-	0-	L17635	50380	-0.11	475	7101	70	203	20.9	36	12.3	8	1.4	19100	10.4	15670	40	0.6
16-	45.0181-	114.4464-	2-	15-	0-	L17636	67790	-0.14	741	9926	105	232	15.6	33	10.0	11	1.4	20690	9.2	17780	68	0.5
16-	45.0878-	114.4661-	2-	11-	0-	L17637	59480	-0.12	910	11110	104	193	6.8	30	10.4	12	1.9	19810	8.6	21880	107	1.0
16-	45.0936-	114.4897-	2-	11-	0-	L17638	84910	-0.10	631	6544	112	-137	6.0	-9	6.5	15	0.6	26520	21.5	29080	76	1.4
16-	45.1044-	114.5247-	2-	11-	0-	L17639	81720	-0.14	-204	7784	165	-186	4.9	30	7.3	31	-0.3	24410	16.3	22260	101	2.5
16-	45.0856-	114.5336-	2-	12-	0-	L17640	89330	-0.13	326	8469	206	-146	4.8	28	5.8	15	-0.4	22570	23.3	27650	101	1.3
16-	45.0772-	114.5414-	2-	11-	0-	L17641	72640	-0.15	459	14230	129	-164	7.6	32	5.9	8	0.7	23570	13.4	19490	64	0.5
16-	45.0481-	114.5678-	2-	12-	0-	L17642	75570	-0.12	-154	13930	295	-140	4.4	-11	3.3	23	1.5	23310	81.3	20260	166	2.1
16-	45.0603-	114.5506-	2-	11-	0-	L17643	30050	-0.09	-182	-1966	44	-141	-1.4	27	-1.7	-1	0.3	10220	4.2	-4553	22	0.3
16-	45.0500-	114.2817-	2-	15-	0-	L17644	30910	-0.13	595	5477	82	-77	15.6	64	8.0	7	1.2	27770	7.7	30040	35	0.6
16-	45.0583-	114.2772-	2-	11-	0-	L17645	55750	-0.12	368	4523	131	196	17.0	83	18.7	8	1.6	40340	9.0	16940	52	0.6
16-	45.3394-	114.3364-	2-	12-	0-	L17646	80700	-0.11	937	20470	120	-132	8.6	52	4.4	12	1.7	32630	20.8	26470	57	0.9
16-	45.1706-	114.1594-	2-	15-	0-	L17647	70500	-0.11	1003	21460	89	239	11.0	81	4.3	8	1.4	28400	10.0	22840	41	0.5
16-	45.1400-	114.2017-	2-	15-	0-	L17648	55190	-0.17	466	20980	152	697	9.0	35	6.2	17	1.8	31790	10.9	13830	108	0.9
16-	45.0933-	114.2344-	2-	15-	0-	L17649	72650	-0.15	498	10900	259	474	34.6	30	13.7	15	2.4	39970	5.6	13750	126	0.7
16-	45.1094-	114.2219-	2-	11-	0-	L17650	65780	-0.16	680	19110	128	783	325.6	-13	20.0	8	1.8	39330	12.8	21650	75	0.5
16-	45.1617-	114.2875-	2-	15-	0-	L17651	37310	-0.14	470	18280	114	366	7.4	-12	6.2	8	1.3	16150	13.7	14090	116	0.7
16-	45.1908-	114.3183-	2-	15-	0-	L17652	73440	-0.17	400	20080	228	794	10.6	52	7.0	29	1.5	35620	22.7	21590	124	1.9
16-	45.2653-	114.3256-	2-	15-	0-	L17653	69340	-0.18	492	33330	133	795	29.9	119	6.9	12	1.5	66040	12.2	24070	41	0.9
16-	45.2828-	114.3436-	2-	15-	0-	L17654	74190	-0.12	866	22490	175	445	16.4	66	7.3	17	2.3	50160	27.2	27050	79	1.2
16-	45.3006-	114.3661-	2-	15-	0-	L17655	78830	-0.11	885	11860	177	-136	12.5	49	7.4	17	2.1	40420	19.8	31620	71	1.3
16-	45.3000-	114.3792-	2-	15-	0-	L17656	24850	-0.18	-325	113400	114	-133	8.6	-15	11.2	9	0.9	30910	3.3	-7348	58	0.4
16-	45.3044-	114.3794-	2-	15-	0-	L17657	76430	-0.13	894	10340	211	-113	11.4	60	5.0	13	2.9	64100	20.9	33710	74	1.0
16-	45.4400-	114.5833-	2-	12-	0-	L17658	63670	-0.10	739	13470	236	-108	8.4	68	4.4	23	2.2	32250	39.3	23660	111	2.0
16-	45.4336-	114.5722-	2-	12-	0-	L17659	66100	-0.13	664	20610	135	-139	14.3	92	6.2	11	1.8	40180	14.9	17110	60	0.7
16-	45.4328-	114.5733-	2-	15-	0-	L17660	87610	-0.17	788	14960	182	-127	15.4	80	5.5	13	2.7	51440	15.3	19430	89	1.0
16-	45.4306-	114.5556-	2-	12-	0-	L17661	66130	-0.13	650	13740	313	-139	8.1	83	3.6	27	2.8	32820	62.9	20760	143	2.5
16-	45.4292-	114.5669-	2-	12-	0-	L17662	64930	-0.16	898	14970	202	-122	8.7	62	4.5	18	2.2	36920	21.3	23500	110	1.1
16-	45.3164-	114.6292-	2-	15-	0-	L17663	70050	-0.14	727	14480	150	-121	22.0	128	5.0	9	1.5	47630	12.1	29980	64	0.7
16-	45.3194-	114.6356-	2-	15-	0-	L17664	76810	-0.13	746	21740	135	427	15.0	117	4.4	9	1.6	39240	11.4	24830	66	0.7
16-	45.4886-	114.5350-	2-	12-	0-	L17665	36160	-0.14	619	17060	347	-127	7.4	52	7.2	14	2.1	35010	20.7	17460	256	1.4

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LAS SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.6572-	114.6514-	2-	12-	0-	L17615	6232	576	24210	114	-3	9.2	16.1	-272	3	-1	30.4	3509	44	7.9	127	0.741
16-	45.6714-	114.6328-	2-	11-	0-	L17616	11990	643	16330	152	-5	19.5	12.9	-350	-2	2	23.5	6584	107	7.9	-154	1.089
16-	45.6711-	114.6294-	2-	12-	0-	L17617	-2433	568	22230	177	-4	5.6	103.6	-345	-2	5	41.9	1334	43	24.2	276	4.592
16-	45.6711-	114.6228-	2-	12-	0-	L17619	11920	807	25050	134	-3	10.6	13.5	-275	-1	1	26.4	4844	61	4.0	95	0.789
16-	45.6719-	114.6225-	2-	12-	0-	L17610	-2410	472	19990	144	-3	5.6	19.6	-293	-2	1	19.2	2218	26	6.6	99	1.991
16-	45.3117-	114.4886-	2-	15-	0-	L17620	11210	447	12500	203	-3	11.0	6.6	-251	-2	-1	14.3	5353	79	5.2	167	0.250
16-	45.3175-	114.4708-	2-	15-	0-	L17621	8433	611	14230	195	-3	12.6	20.6	-267	-2	1	32.9	5824	90	12.1	-24	0.262
16-	45.3244-	114.4150-	2-	15-	0-	L17622	6340	527	22980	146	-3	10.4	15.3	-228	-1	-1	34.8	3455	80	10.5	94	0.198
16-	45.3828-	114.0696-	2-	15-	0-	L17623	14540	732	12430	106	-4	21.7	7.3	-301	-1	-1	12.3	4539	129	7.2		0.452
16-	45.4075-	114.2186-	2-	15-	0-	L17624	7523	521	18500	192	-4	19.3	21.2	-282	-2	2	45.1	6694	92	18.9	-49	0.193
16-	45.4119-	114.1972-	2-	15-	0-	L17625	19850	1010	18600	-46	-4	31.2	7.6	-321	-2	-1	12.1	5074	184	7.2	-56	0.146
16-	45.4317-	114.2119-	2-	15-	0-	L17626	14210	907	27700	125	-3	24.6	10.0	-277	-2	-1	23.5	5222	144	8.2	90	0.137
16-	45.4167-	114.1636-	2-	15-	0-	L17627	29200	1208	13570	-61	-5	33.3	5.3	-354	-2	-1	6.4	4474	217	4.0	228	0.225
16-	45.4289-	114.1681-	2-	15-	0-	L17628	18370	1069	17420	-54	-5	32.1	7.0	-352	-2	-1	6.4	6763	215	5.3	-64	0.159
16-	45.4294-	114.1611-	2-	12-	0-	L17629	21640	1325	13750	-59	-5	38.0	7.0	-372	-2	-1	7.0	11300	261	7.4	-64	1.063
16-	45.4528-	114.1494-	2-	12-	0-	L17630	-1195	1080	3966	117	12	6.1	3.6	-219	-1	-1	4.6	2728	51	-1.6	83	2.028
16-	45.4544-	114.1536-	2-	15-	0-	L17631	4958	552	8066	140	-3	9.4	6.6	-234	-1	-1	10.3	3016	54	5.3	63	0.406
16-	45.4772-	114.1389-	2-	12-	0-	L17632	5973	873	11790	117	-3	11.1	6.6	-330	-2	-1	12.8	3393	63	6.6	-45	2.636
16-	45.3972-	114.1567-	2-	15-	0-	L17633	10430	813	9535	-50	-5	22.4	9.9	-336	-2	1	12.5	5053	137	7.5	-56	0.352
16-	45.4033-	114.7364-	2-	15-	0-	L17634	15150	934	15570	67	-3	11.9	4.2	-326	-1	-1	8.6	3600	94	-1.9	161	0.473
16-	45.0197-	114.4486-	2-	12-	0-	L17635	5594	224	11410	72	-3	7.8	8.7	-198	-1	1	9.9	2487	40	5.6	-24	1.382
16-	45.0181-	114.4464-	2-	15-	0-	L17636	5743	501	13080	-43	-4	9.4	9.0	-313	-2	1	8.6	2583	45	4.1	64	3.734
16-	45.0878-	114.4661-	2-	11-	0-	L17637	5976	411	18950	128	-3	9.4	19.4	-264	-1	-1	8.6	2253	44	9.4	-41	14.000
16-	45.0936-	114.4897-	2-	11-	0-	L17638	-2207	735	27350	297	-3	6.7	10.6	-279	12	1	76.3	4614	60	16.4	94	0.433
16-	45.1044-	114.5247-	2-	11-	0-	L17639	3694	814	22360	193	-3	5.9	20.6	-402	13	3	86.2	2525	32	28.2	-67	0.783
16-	45.0856-	114.5336-	2-	12-	0-	L17640	-2544	490	26300	190	-3	6.1	14.1	-337	8	1	101.2	3229	33	14.8	-140	0.257
16-	45.0772-	114.5414-	2-	11-	0-	L17641	4817	1403	19070	-43	-4	7.8	10.3	-501	3	-1	37.5	2668	44	7.7	220	0.413
16-	45.0481-	114.5678-	2-	12-	0-	L17642	3701	583	27100	169	-3	7.2	21.3	-282	12	2	83.3	5704	34	21.8	-147	0.402
16-	45.0603-	114.5506-	2-	11-	0-	L17643	-2392	228	4709	-35	-2	3.6	3.9	-319	-1	-1	9.5	-750	20	-1.5	157	0.600
16-	45.0500-	114.2817-	2-	15-	0-	L17644	6617	919	5462	156	-4	12.9	6.1	-310	-1	-1	13.4	4651	71	5.3	76	0.318
16-	45.0583-	114.2772-	2-	11-	0-	L17645	9540	601	6753	147	-3	12.0	9.7	-228	-1	-1	16.0	5328	70	7.9	107	0.292
16-	45.3394-	114.3364-	2-	12-	0-	L17646	6340	601	28200	136	-3	12.3	9.8	-255	-1	1	21.5	4905	61	8.2	140	0.598
16-	45.1706-	114.1594-	2-	15-	0-	L17647	6150	598	11720	95	-3	10.8	7.6	582	-1	-1	12.9	3931	71	5.7	-132	0.816
16-	45.1400-	114.2017-	2-	15-	0-	L17648	5679	877	8543	106	-4	10.1	17.1	-382	-2	-1	18.7	3829	58	8.1	106	5.535
16-	45.0933-	114.2344-	2-	15-	0-	L17649	6230	531	7250	154	-4	10.5	24.3	-280	-2	2	20.5	3420	50	8.4	-59	3.252
16-	45.1094-	114.2219-	2-	11-	0-	L17650	7207	739	13630	152	-4	9.0	12.4	-285	-4	-1	11.5	3504	45	3.8	-92	2.520
16-	45.1617-	114.2875-	2-	15-	0-	L17651	-2067	253	9120	-48	-4	5.0	16.9	-262	5	-1	9.2	2761	47	6.3		14.946
16-	45.1908-	114.3183-	2-	15-	0-	L17652	5956	400	11020	166	-4	11.1	23.8	-288	-2	2	46.7	3566	63	17.0		1.628
16-	45.2653-	114.3256-	2-	15-	0-	L17653	20320	1242	12070	154	-5	29.2	10.7	-368	-2	-1	20.2	8052	179	10.6	128	0.182
16-	45.2828-	114.3436-	2-	15-	0-	L17654	12700	848	13590	190	-3	19.4	15.2	-242	3	-1	35.0	5864	123	14.6	132	0.191
16-	45.3006-	114.3661-	2-	15-	0-	L17655	5189	539	24450	196	-3	8.9	14.9	-268	2	2	32.2	4167	54	12.5	129	0.522
16-	45.3000-	114.3792-	2-	15-	0-	L17656	-2811	2017	2758	-54	-5	5.9	10.5	-638	-2	-1	21.7	-1510	30	4.2	-40	0.328
16-	45.3044-	114.3794-	2-	15-	0-	L17657	7987	630	17960	203	-4	10.3	17.6	-300	-2	-1	28.7	4265	80	9.6	164	0.240
16-	45.4400-	114.5833-	2-	12-	0-	L17658	6211	463	20270	119	-3	9.2	19.7	-215	2	2	42.2	5787	68	20.2	43	0.527
16-	45.4336-	114.5722-	2-	12-	0-	L17659	8748	1032	14730	166	-4	14.1	11.5	-337	-2	-1	20.4	5737	82	8.3	161	0.455
16-	45.4328-	114.5733-	2-	15-	0-	L17660	11010	1060	15270	115	-5	16.0	16.1	-388	-2	-1	22.1	6867	116	9.1	-61	1.367
16-	45.4306-	114.5656-	2-	12-	0-	L17661	7029	523	19920	121	-3	9.9	32.2	-282	-2	2	52.1	4986	64	23.2	55	0.690
16-	45.4292-	114.5669-	2-	12-	0-	L17662	6441	611	14450	139	-4	9.8	21.1	-337	-2	-1	33.7	5124	66	11.3	118	1.114
16-	45.3164-	114.6292-	2-	15-	0-	L17663	13210	1064	18880	171	-4	15.8	10.7	-347	-1	-1	19.6	5869	99	7.3	-114	0.282
16-	45.3194-	114.6356-	2-	15-	0-	L17664	14320	797	22280	111	-3	14.2	-1.1	-291	-2	-1	20.7	5499	89	6.3	93	0.341
16-	45.4886-	114.5350-	2-	12-	0-	L17665	5811	519	16990	161	-4	11.1	42.6	-275	-2	2	71.4	3732	51	10.0	192	3.003

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
							TIME SAMPLED																							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (µmho/cm)	SUNFILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER TYPE	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.3269-	114.6469-	2-	12-		0-L17666-	08/15/79-	19-	24-	15.3-	-	-	8.2-	212-		9-	2-	6-	1-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	49.09
16-	45.3358-	114.6589-	2-	12-		0-L17667-	08/15/79-	19-	24-	11.9-	-	-	8.4-	120-		15-	2-	6-	2-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	20.82
16-	45.3461-	114.6700-	2-	15-		0-L17668-	08/15/79-	19-	24-	-	-	-	-	-		13-	2-	6-	1-	5-	-1-	-2-	1-	2-	5-	2-	-1-	-	-	-	-	-	-	4.29
16-	45.3631-	114.6731-	2-	15-		0-L17669-	08/15/79-	19-	24-	-	-	-	-	-		12-	2-	6-	2-	6-	-1-	-2-	1-	2-	5-	2-	-1-	-	-	-	-	-	-	9.10
16-	45.3686-	114.6839-	2-	12-		0-L17670-	08/15/79-	19-	24-	12.5-	-	-	8.3-	98-		12-	2-	6-	2-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	18.46
16-	45.5028-	114.5436-	2-	12-		0-L17671-	08/15/79-	10-	22-	9.9-	-	-	8.2-	76-		20-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	36.80
16-	45.5028-	114.5425-	2-	12-		0-L17672-	08/15/79-	10-	22-	9.4-	-	-	7.7-	79-		30-	2-	6-	3-	1-	4-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	49.24
16-	45.4825-	114.5497-	2-	12-		0-L17673-	08/15/79-	11-	22-	11.6-	-	-	7.7-	82-		40-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	2-	-1-	-	-	-	-	44.20
16-	45.4825-	114.5483-	2-	12-		0-L17674-	08/15/79-	11-	24-	13.0-	-	-	7.7-	94-		35-	2-	6-	5-	8-	3-	3-	1-	1-	1-	4-	4-	2-	-1-	-	-	-	-	47.95
16-	45.4847-	114.5453-	2-	12-		0-L17675-	08/15/79-	12-	24-	9.1-	-	-	7.8-	77-		29-	2-	6-	2-	6-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	74.08
16-	45.4867-	114.5164-	2-	12-		0-L17676-	08/15/79-	12-	24-	9.3-	-	-	7.8-	101-		30-	2-	6-	3-	1-	3-	3-	1-	2-	1-	4-	4-	4-	-1-	-	-	-	-	54.28
16-	45.4858-	114.5136-	2-	12-		0-L17677-	08/15/79-	12-	24-	11.6-	-	-	7.9-	89-		30-	2-	6-	5-	8-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	39.19
16-	45.5517-	114.4653-	2-	11-		0-L17678-	08/15/79-	13-	25-	8.9-	-	-	8.0-	68-		25-	2-	6-	5-	8-	3-	3-	1-	-1-	4-	4-	3-	-1-	-	-	-	-	-	18.13
16-	45.4722-	114.3944-	2-	11-		0-L17679-	08/15/79-	14-	24-	6.1-	-	-	8.1-	62-		14-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	5-	3-	-1-	-	-	-	-	-	11.68
16-	45.4014-	114.5414-	2-	11-		0-L17680-	08/15/79-	14-	23-	10.2-	-	-	7.4-	83-		4-	2-	6-	5-	6-	2-	2-	1-	-1-	4-	4-	2-	-1-	-	-	-	-	-	2.56
16-	45.3925-	114.5542-	2-	11-		0-L17681-	08/15/79-	17-	23-	6.1-	-	-	8.2-	68-		11-	2-	6-	5-	6-	3-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	6.90
16-	45.3611-	114.5292-	2-	11-		0-L17682-	08/15/79-	18-	23-	10.8-	-	-	7.4-	108-		19-	2-	6-	5-	8-	3-	3-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	5.54
16-	45.3522-	114.5347-	2-	12-		0-L17683-	08/15/79-	18-	24-	12.1-	-	-	7.7-	176-		12-	2-	6-	3-	6-	3-	3-	1-	2-	1-	3-	5-	2-	-1-	-	-	-	-	25.90
16-	45.3028-	114.5503-	2-	15-		0-L17684-	08/15/79-	18-	26-		-C-	-	-	-		15-	2-	6-	3-	7-	-1-	-2-	1-	2-	5-	2-	-2-	-	-	-	-	-	-	8.59
16-	45.2989-	114.5972-	2-	15-		0-L17686-	08/15/79-	19-	24-	-	-	-	-	-		12-	2-	6-	1-	6-	-1-	-2-	1-	2-	5-	2-	-1-	-	-	-	-	-	-	3.48
16-	45.3103-	114.6247-	2-	12-		0-L17687-	08/15/79-	19-	24-	13.6-	-	-	7.7-	296-		11-	2-	6-	3-	6-	3-	3-	1-	2-	1-	2-	5-	2-	-1-	-	-	-	-	8.93
16-	45.0186-	114.3589-	2-	12-		0-L17688-	08/16/79-	11-	32-	7.7-	-	-	7.2-	71-		35-	2-	7-	4-	6-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	20.32
16-	45.0403-	114.4278-	2-	11-		0-L17689-	08/16/79-	12-	32-	9.6-	-	-	7.4-	93-		14-	2-	6-	4-	6-	2-	2-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	5.22
16-	45.0378-	114.4361-	2-	11-		0-L17690-	08/16/79-	12-	32-	9.8-	-	-	7.6-	63-		22-	2-	6-	5-	6-	2-	2-	1-	-1-	3-	5-	2-	-1-	-	-	-	-	-	15.40
16-	45.2303-	114.4350-	2-	12-		0-L17691-	08/16/79-	14-	23-	10.2-	-	-	8.0-	195-		14-	2-	7-	5-	8-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	39.43
16-	45.2300-	114.4383-	2-	12-		0-L17692-	08/16/79-	13-	24-	11.1-	-	-	8.1-	83-		20-	2-	7-	2-	7-	3-	3-	1-	2-	1-	4-	4-	3-	-1-	-	-	-	-	34.85
16-	45.2350-	114.4278-	2-	11-		0-L17693-	08/16/79-	14-	20-	9.9-	-	-	7.9-	130-		38-	2-	6-	5-	8-	3-	3-	1-	-1-	3-	4-	4-	-1-	-	-	-	-	-	20.45
16-	45.2356-	114.4269-	2-	12-		0-L17694-	08/16/79-	14-	21-	9.9-	-	-	7.9-	119-		20-	2-	7-	3-	6-	3-	3-	1-	2-	1-	4-	4-	4-	-1-	-	-	-	-	253.60
16-	45.2517-	114.4153-	2-	15-		0-L17695-	08/16/79-	15-	22-	-	-	-	-	-		35-	2-	7-	5-	6-	-1-	-2-	1-	3-	4-	3-	-1-	-	-	-	-	-	-	7.73
16-	45.2522-	114.4108-	2-	15-		0-L17696-	08/16/79-	16-	22-	-	-	-	-	-		15-	2-	6-	5-	8-	-1-	-2-	1-	3-	4-	4-	-1-	-	-	-	-	-	-	6.68
16-	45.2589-	114.3961-	2-	12-		0-L17697-	08/16/79-	16-	22-	11.9-	-	-	8.1-	170-		30-	2-	7-	3-	6-	3-	3-	1-	2-	1-	3-	4-	3-	-1-	-	-	-	-	82.46
16-	45.2619-	114.3950-	2-	15-		0-L17698-	08/16/79-	17-	22-	-	-	-	-	-		45-	2-	7-	5-	6-	-1-	-2-	1-	4-	5-	3-	-	-	-	-	-	-	-	14.31
16-	45.2581-	114.3819-	2-	15-		0-L17699-	08/16/79-	17-	22-	-	-	-	-	-		40-	2-	7-	5-	8-	-1-	-1-	3-	4-	4-	3-	-1-	-	-	-	-	-	-	14.83
16-	45.2667-	114.3779-	2-	15-		0-L17700-	08/16/79-	17-	22-	-	-	-	-	-		25-	2-	6-	5-	6-	-1-	-2-	1-	4-	5-	3-	-1-	-	-	-	-	-	-	9.82
16-	45.2647-	114.3819-	2-	12-		0-L17701-	08/16/79-	18-	22-	14.9-	-	-	8.3-	89-		22-	2-	7-	1-	7-	3-	3-	1-	2-	1-	4-	5-	3-	-1-	-	-	-	-	23.36
16-	45.2978-	114.3558-	2-	12-		0-L17702-	08/16/79-	19-	20-	22.8-	-	-	9.4-	1016-		35-	2-	6-	5-	6-	3-	3-	1-	2-	3-	3-	5-	3-	-1-	-	-	-	-	7.21
16-	45.3078-	114.3911-	2-	15-		0-L17703-	08/16/79-	19-	23-	-	-	-	-	-		13-	2-	6-	5-	6-	-1-	-2-	3-	3-	5-	3-	-1-	-	-	-	-	-	-	4.07
16-	45.3511-	114.3244-	2-	15-		0-L17704-	08/17/79-	10-	27-	-	-	-	-	-		12-	2-	6-	2-	6-	-1-	-2-	3-	2-	5-	1-	-1-	-	-	-	-	-	-	6.47
16-	45.3561-	114.2847-	2-	15-		0-L17705-	08/17/79-	11-	28-	-	-	-	-	-		10-	2-	6-	4-	6-	-1-	-2-	1-	2-	5-	1-	-1-	-	-	-	-	-	-	6.03
16-	45.3556-	114.2792-	2-	15-		0-L17706-	08/17/79-	11-	28-	-	-	-	-	-		20-	2-	6-	2-	6-	-1-	-2-	1-	2-	5-	1-	-1-	-	-	-	-	-	-	8.06
16-	45.3664-	114.2958-	2-	12-		0-L17707-	08/17/79-	11-	28-	15.1-	-C-	-	7.8-	368-		12-	2-	6-	2-	6-	3-	3-	1-	2-	3-	2-	5-	1-	-1-	-	-	-	-	51.76
16-	45.4094-	114.2681-	2-	15-		0-L17708-	08/17/79-	12-	29-	-	-	-	-	-		20-	2-	6-	5-	6-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	18.71
16-	45.4033-	114.2597-	2-	15-		0-L17709-	08/17/79-	12-	29-	-	-	-	-	-		41-	2-	6-	5-	6-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	5.70
16-	45.3883-	114.2669-	2-	15-		0-L17710-	08/17/79-	11-	28-	-	-	-	-	-		14-	2-	6-	5-	6-	-1-	-2-	1-	2-	5-	1-	-1-	-	-	-	-	-	-	8.90
16-	45.4219-	114.2744-	2-	15-		0-L17711-	08/17/79-	12-	29-	-	-	-	-	-		35-	2-	6-	5-	6-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	7.64
16-	45.4194-	114.2842-	2-	15-		0-L17712-	08/17/79-	12-	29-	-	-	-	-	-		22-	2-	6-	5-	6-	-1-	-2-	1-	3-	5-	1-	-1-	-	-	-	-	-	-	5.17
16-	45.4639-	114.3769-	2-	12-		0-L17713-	08/17/79-	11-	26-	7.7-	-	-	7.9-	13-		19-	2-	1-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	59.30
16-	45.4533-	114.3911-	2-	12-		0-L17714-	08/17/79-	12-	26-	7.7-	-	-	7.5-	23-		8-	2-	6-	5-	8-	3-	3-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	38.47
16-	45.4525-	114.3947-	2-	12-		0-L17715-	08/17/79-	12-	26-	9.4-	-	-	7.2-	17-		13-	2-	6-	5-	8-	2-	2-	1-	2-	1-	3-	4-	1-	-1-	-	-	-	-	57.70
16-	45.4450-	114.3933-	2-	12-		0-L17716-	08/17/79-	13-	26-	10.7-	-	-	7.1-	18-		9-	2-	6-	4-	8-	3-	3-	1-	2-	1-	3-	2-	4-	-1-	-	-	-	-	56.81
16-	45.4444-	114.3897-	2-	12-		0-L17717-	08/17/79-	13-	26-	10.9-	-	-	6.9-	25-		7-	2-	6-	4-	8-	2-	2-	1-	2-	1-	3-	4-	2-	-1-	-	-	-	-	50.06

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.3269-	114.6469-	2-	12-	0-	L17666	-5	-5	-5	35	-20	52	9	-10	-15	7	-5	864	2	27
16-	45.3358-	114.6589-	2-	12-	0-	L17667	-5	-5	-5	35	-20	29	24	-10	-15	11	-5	463	2	45
16-	45.3461-	114.6700-	2-	15-	0-	L17668	-5	-5	-5	159	-20	31	13	-10	18	90	-5	183	-1	49
16-	45.3631-	114.6731-	2-	15-	0-	L17669	-5	-5	-5	38	-20	34	10	-10	23	14	-5	393	-1	46
16-	45.3696-	114.6839-	2-	12-	0-	L17670	-5	-5	-5	34	-20	33	10	-10	-15	-5	-5	545	2	39
16-	45.5028-	114.5436-	2-	12-	0-	L17671	-5	-5	-5	22	-20	-15	17	12	-15	7	-5	951	16	82
16-	45.5028-	114.5425-	2-	12-	0-	L17672	-5	-5	5	-10	-20	-15	15	18	-15	13	-5	1825	7	91
16-	45.4925-	114.5497-	2-	12-	0-	L17673	-5	-5	-5	20	-20	-15	21	10	-15	8	-5	778	8	88
16-	45.4825-	114.5483-	2-	12-	0-	L17674	-5	-5	-5	-10	-20	27	23	-10	-15	6	-5	2616	5	70
16-	45.4847-	114.5453-	2-	12-	0-	L17675	9	17	-5	-10	-20	26	8	15	35	22	-5	3982	4	64
16-	45.4867-	114.5164-	2-	12-	0-	L17676	5	-5	-5	-10	-20	-15	18	10	-15	9	-5	1341	5	83
16-	45.4858-	114.5136-	2-	12-	0-	L17677	-5	-5	-5	-10	-20	-15	42	-10	-15	-5	-5	988	5	50
16-	45.5517-	114.4653-	2-	11-	0-	L17678	-5	-5	-5	35	-20	-15	15	-10	-15	-5	-5	620	4	79
16-	45.4722-	114.3944-	2-	11-	0-	L17679	-5	-5	-5	37	-20	28	46	-10	-15	-5	-5	338	3	92
16-	45.4014-	114.5414-	2-	11-	0-	L17680	-5	-5	-5	13	-20	-15	-5	-10	-15	9	-5	94	-1	7
16-	45.3925-	114.5542-	2-	11-	0-	L17681	-5	-5	-5	24	-20	21	29	-10	-15	-5	-5	296	3	51
16-	45.3611-	114.5292-	2-	11-	0-	L17682	-5	-5	-5	67	-20	17	10	-10	-15	-5	-5	210	2	28
16-	45.3522-	114.5347-	2-	12-	0-	L17683	-5	-5	-5	18	-20	-15	-5	-10	-15	15	-5	888	3	34
16-	45.3028-	114.5503-	2-	15-	0-	L17684	5	-5	9	4263	-20	37	14	-10	-15	781	7	713	2	40
16-	45.2989-	114.5972-	2-	15-	0-	L17686	-5	-5	-5	84	-20	38	22	12	-15	9	-5	236	2	32
16-	45.3103-	114.6247-	2-	12-	0-	L17687	-5	-5	-5	68	-20	59	12	-10	25	12	-5	300	3	41
16-	45.0186-	114.3589-	2-	12-	0-	L17688	-5	-5	-5	30	-20	-15	16	-10	-15	13	-5	263	-1	44
16-	45.0403-	114.4278-	2-	11-	0-	L17689	-5	-5	-5	16	-20	31	7	-10	-15	-5	-5	298	2	23
16-	45.0378-	114.4361-	2-	11-	0-	L17690	-5	-5	-5	33	-20	16	-5	-10	-15	-5	-5	198	3	45
16-	45.2303-	114.4350-	2-	12-	0-	L17691	-5	-5	-5	15	-20	-15	-5	-10	-15	5	-5	272	3	27
16-	45.2300-	114.4383-	2-	12-	0-	L17692	-5	11	-5	-10	-20	-15	9	10	-15	8	-5	1744	4	18
16-	45.2350-	114.4278-	2-	11-	0-	L17693	-5	5	-5	47	-20	17	-5	-10	-15	26	-5	427	2	21
16-	45.2356-	114.4269-	2-	12-	0-	L17694	-5	-5	-5	256	-20	-15	6	-10	-15	62	-5	138	1	7
16-	45.2517-	114.4153-	2-	15-	0-	L17695	-5	9	-5	30	-20	-15	5	-10	-15	11	-5	702	2	29
16-	45.2522-	114.4108-	2-	15-	0-	L17696	-5	-5	-5	20	-20	-15	-5	-10	-15	12	-5	555	2	22
16-	45.2589-	114.3961-	2-	12-	0-	L17697	-5	7	-5	13	-20	-15	-5	-10	-15	7	-5	693	4	24
16-	45.2619-	114.3950-	2-	15-	0-	L17698	-5	12	-5	31	-20	-15	5	-10	-15	15	-5	1119	2	32
16-	45.2681-	114.3819-	2-	15-	0-	L17699	-5	6	-5	12	-20	15	-5	-10	-15	10	-5	762	3	18
16-	45.2667-	114.3778-	2-	15-	0-	L17700	-5	10	-5	-10	-20	25	-5	11	-15	13	-5	1394	3	32
16-	45.2647-	114.3819-	2-	12-	0-	L17701	-5	14	-5	12	-20	-15	-5	-10	-15	14	-5	1633	3	28
16-	45.2978-	114.3558-	2-	12-	0-	L17702	-5	10	-5	34	-20	15	12	-10	-15	15	-5	398	6	37
16-	45.3078-	114.3911-	2-	15-	0-	L17703	-5	-5	-5	31	-20	23	-5	-10	-15	15	-5	287	3	31
16-	45.3511-	114.3244-	2-	15-	0-	L17704	-5	9	-5	12	-20	-15	31	-10	19	-5	-5	701	2	30
16-	45.3561-	114.2847-	2-	15-	0-	L17705	-5	-5	-5	12	-20	18	12	-10	-15	-5	-5	440	3	16
16-	45.3556-	114.2792-	2-	15-	0-	L17706	-5	9	-5	12	-20	19	6	-10	-15	8	-5	641	3	25
16-	45.3664-	114.2958-	2-	12-	0-	L17707	-5	7	33	34	-20	28	32	11	-15	11	-5	427	8	35
16-	45.4094-	114.2681-	2-	15-	0-	L17708	-5	7	-5	31	-20	29	15	-10	-15	10	-5	1009	3	86
16-	45.4033-	114.2597-	2-	15-	0-	L17709	-5	-5	-5	36	-20	16	6	-10	15	9	-5	392	2	42
16-	45.3983-	114.2669-	2-	15-	0-	L17710	-5	6	-5	-10	-20	28	-5	-10	25	9	-5	1011	3	18
16-	45.4219-	114.2744-	2-	15-	0-	L17711	-5	-5	-5	32	-20	46	-5	-10	-15	5	-5	396	3	78
16-	45.4194-	114.2842-	2-	15-	0-	L17712	-5	9	-5	40	-20	-15	9	-10	-15	-5	-5	694	3	42
16-	45.4639-	114.3769-	2-	12-	0-	L17713	-5	6	-5	37	-20	-15	58	-10	-15	-5	-5	499	4	41
16-	45.4533-	114.3911-	2-	12-	0-	L17714	-5	10	-5	15	-20	18	29	-10	-15	6	-5	1721	4	63
16-	45.4525-	114.3947-	2-	12-	0-	L17715	-5	13	-5	21	-20	-15	35	-10	-15	-5	-5	861	4	46
16-	45.4450-	114.3933-	2-	12-	0-	L17716	-5	10	-5	17	-20	-15	25	-10	20	-5	-5	739	4	36
16-	45.4444-	114.3897-	2-	12-	0-	L17717	7	13	-5	-10	-20	17	29	-10	-15	11	-5	3210	4	63

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.3269-	114.6469-	2-	12-		C-L17666	50530	-0.18	511	19760	86	181	9.3	58	3.2	7	1.0	24390	5.4	16680	74	0.4
16-	45.3358-	114.6589-	2-	12-		C-L17667	70100	-0.14	737	27450	212	268	14.4	90	4.4	14	2.3	47810	30.2	19570	98	1.1
16-	45.3461-	114.6700-	2-	15-		C-L17668	70340	-0.12	921	17650	129	146	16.7	79	6.6	6	1.6	43470	16.3	23880	69	0.4
16-	45.3631-	114.6731-	2-	15-		C-L17669	65850	-0.13	639	20980	131	157	15.5	103	4.2	8	2.0	46270	13.1	24290	60	0.4
16-	45.3686-	114.6839-	2-	12-		C-L17670	65600	-0.13	941	19920	168	-110	11.3	85	4.5	10	2.0	32290	18.5	23590	76	0.9
16-	45.5028-	114.5436-	2-	12-		C-L17671	77540	-0.13	365	8956	410	-142	4.8	24	4.6	22	1.1	22980	44.0	30660	211	1.6
16-	45.5028-	114.5425-	2-	12-		C-L17672	83460	-0.10	-149	12620	272	-137	4.3	-9	3.5	15	1.5	17340	68.1	19520	159	1.5
16-	45.4825-	114.5497-	2-	12-		C-L17673	81850	-0.11	357	11070	236	-148	3.6	23	4.9	13	1.3	20520	30.1	21800	130	0.9
16-	45.4825-	114.5483-	2-	12-		C-L17674	79850	-0.13	548	17550	424	-125	6.1	37	5.5	28	2.4	24500	97.0	22270	222	2.8
16-	45.4847-	114.5453-	2-	12-		C-L17675	76530	-0.17	395	16630	686	-129	7.9	52	5.2	41	3.6	31810	150.6	18760	353	3.7
16-	45.4857-	114.5164-	2-	12-		C-L17676	80940	-0.11	-170	15520	258	-150	5.4	29	5.3	12	1.2	21260	52.5	19550	155	1.2
16-	45.4858-	114.5136-	2-	12-		C-L17677	75890	-0.11	580	15150	256	-130	5.7	35	6.2	18	1.9	25850	42.2	22230	140	1.6
16-	45.5517-	114.4653-	2-	11-		C-L17678	78930	-0.13	398	12870	135	-139	5.1	24	5.2	9	0.7	26720	27.8	19480	75	0.9
16-	45.4722-	114.3944-	2-	11-		C-L17679	86450	-0.13	800	10880	102	282	8.0	63	6.7	10	1.4	29830	12.2	21180	48	0.7
16-	45.4014-	114.5414-	2-	11-		C-L17680	28700	-0.06	448	12460	41	345	2.9	-7	-1.3	3	0.8	11620	2.3	7650	20	0.2
16-	45.3925-	114.5542-	2-	11-		C-L17681	89550	-0.12	722	9155	73	501	7.4	44	10.2	6	0.9	27370	8.7	14540	35	0.4
16-	45.3611-	114.5292-	2-	11-		C-L17682	63950	-0.22	663	13120	97	-142	10.3	46	5.3	14	1.9	29270	6.7	16530	52	0.8
16-	45.3522-	114.5347-	2-	12-		C-L17683	76610	-0.14	968	19110	396	286	9.7	107	3.7	29	2.7	29840	34.5	24600	179	2.0
16-	45.3028-	114.5503-	2-	15-		C-L17684	69120	-0.13	-141	15060	164	208	144.5	59	9.0	17	1.4	85510	22.4	21510	62	1.4
16-	45.2989-	114.5972-	2-	15-		C-L17685	55630	-0.12	923	27310	90	227	15.8	90	3.8	7	0.9	35100	8.5	22180	39	0.5
16-	45.3103-	114.6247-	2-	12-		C-L17687	72410	-0.14	700	20490	133	-125	18.0	106	4.4	9	1.4	39110	9.2	20420	54	0.6
16-	45.0186-	114.3589-	2-	12-		C-L17688	72120	-0.13	682	16090	112	-105	8.2	59	14.7	20	1.4	23960	9.8	15730	61	1.3
16-	45.0403-	114.4278-	2-	11-		C-L17689	49950	-0.07	444	5772	71	111	6.3	37	15.0	9	1.5	15670	9.3	15770	31	0.5
16-	45.0378-	114.4361-	2-	11-		C-L17690	65270	-0.13	498	6900	114	230	7.9	44	21.6	15	2.6	24150	7.0	17050	52	0.8
16-	45.2303-	114.4350-	2-	12-		C-L17691	56300	-0.14	722	14310	90	490	7.3	43	8.4	17	1.5	22260	10.2	17580	68	1.1
16-	45.2300-	114.4383-	2-	12-		C-L17692	56190	-0.11	413	10120	520	177	4.1	39	2.6	20	2.1	25010	80.4	21380	257	1.7
16-	45.2350-	114.4278-	2-	11-		C-L17693	69950	-0.11	1102	9685	130	558	27.5	56	4.3	10	1.6	28460	16.5	31120	69	0.7
16-	45.2356-	114.4269-	2-	12-		C-L17694	34520	-0.12	563	28290	138	406	42.7	46	5.3	7	1.3	19860	5.8	11850	144	1.1
16-	45.2517-	114.4153-	2-	15-		C-L17695	67450	-0.15	570	19590	274	584	10.8	42	6.1	23	2.3	54160	27.0	29800	103	1.4
16-	45.2522-	114.4108-	2-	15-		C-L17696	67430	-0.14	487	28540	208	828	13.9	39	5.7	21	2.4	53350	25.4	19230	88	1.3
16-	45.2589-	114.3961-	2-	12-		C-L17697	65590	-0.13	-152	20300	201	637	8.3	50	6.4	23	1.6	29730	29.5	24090	120	1.9
16-	45.2619-	114.3950-	2-	15-		C-L17698	66170	-0.14	-211	13070	625	440	7.5	47	5.5	44	2.9	55680	46.5	22840	290	2.8
16-	45.2681-	114.3819-	2-	15-		C-L17699	55240	-0.15	393	15680	311	486	5.2	33	-2.3	20	1.5	33430	33.8	22090	135	1.3
16-	45.2667-	114.3775-	2-	15-		C-L17700	68150	-0.15	-209	21660	618	744	11.6	61	5.8	32	3.7	68700	64.5	26270	269	2.7
16-	45.2647-	114.3819-	2-	12-		C-L17701	67620	-0.10	-153	15890	524	509	8.6	53	4.3	26	2.5	48590	65.9	24890	255	2.4
16-	45.2978-	114.3559-	2-	12-		C-L17702	75780	-0.13	753	15930	123	224	9.9	55	32.9	14	1.5	35010	17.4	25640	60	1.0
16-	45.3078-	114.3911-	2-	15-		C-L17703	78950	-0.17	1142	16590	136	-126	15.0	41	12.5	8	2.7	62600	11.6	24900	47	0.6
16-	45.3511-	114.3244-	2-	15-		C-L17704	80770	-0.11	870	18190	164	-128	10.0	44	3.8	12	1.7	32960	29.8	24830	73	1.1
16-	45.3561-	114.2847-	2-	15-		C-L17705	83940	0.46	652	25880	82	-138	7.6	70	2.3	9	1.3	24040	19.5	15570	37	0.7
16-	45.3556-	114.2792-	2-	15-		C-L17706	69960	-0.12	509	18560	121	-127	9.0	57	4.1	16	1.8	38450	27.8	20300	58	1.2
16-	45.3664-	114.2958-	2-	12-		C-L17707	65470	-0.16	519	15730	219	-125	15.0	51	7.1	38	2.4	35890	19.4	27070	134	2.1
16-	45.4094-	114.2681-	2-	15-		C-L17708	68940	-0.15	442	28110	219	323	21.5	92	-2.5	20	2.0	47580	48.2	20810	103	1.7
16-	45.4033-	114.2597-	2-	15-		C-L17709	67750	-0.12	700	22790	80	749	14.1	32	2.9	9	1.4	38680	12.0	18010	40	0.6
16-	45.3883-	114.2669-	2-	15-		C-L17710	55800	-0.12	541	36710	195	408	16.3	58	2.9	31	4.4	55260	52.9	11930	81	2.8
16-	45.4219-	114.2744-	2-	15-		C-L17711	75550	-0.17	594	27700	131	284	21.4	121	8.9	12	1.3	47260	14.6	21640	59	0.9
16-	45.4194-	114.2842-	2-	15-		C-L17712	80630	-0.13	703	14740	183	263	13.0	49	7.2	20	2.5	46740	32.0	22210	72	1.4
16-	45.4639-	114.3769-	2-	12-		C-L17713	81370	-0.12	849	14790	137	336	6.9	27	4.4	16	1.3	22000	20.9	26250	99	1.1
16-	45.4533-	114.3911-	2-	12-		C-L17714	78770	-0.12	832	15190	180	303	6.6	51	11.2	22	2.4	29770	95.1	24810	93	2.7
16-	45.4525-	114.3947-	2-	12-		C-L17715	68730	-0.14	738	12340	251	-133	6.1	42	5.1	23	1.9	23280	37.3	20570	123	2.1
16-	45.4450-	114.3933-	2-	12-		C-L17716	65350	-0.11	787	11240	306	-122	6.0	35	4.7	25	2.2	21290	39.0	23860	148	2.1
16-	45.4444-	114.3897-	2-	12-		C-L17717	82480	-0.12	842	17410	217	-121	6.5	38	10.0	30	2.5	27130	148.5	27900	114	3.8

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

DOE SAMPLE NUMBER							ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.3269-	114.6469-	2-	12-	0-	L17666	8294	546	12420	-56	-5	8.7	7.2	-385	-3	-1	9.8	3442	63	-3.0	-55	5.009
16-	45.3358-	114.6589-	2-	12-	0-	L17667	12040	862	20580	100	-4	16.5	22.2	-316	-2	1	24.4	7535	84	10.4	-46	0.853
16-	45.3461-	114.6700-	2-	15-	0-	L17668	11250	1254	12990	132	-3	13.5	9.4	-311	-1	-1	18.9	5079	98	5.0	158	0.227
16-	45.3631-	114.6731-	2-	15-	0-	L17669	11460	1087	15930	127	-3	14.1	9.6	-330	-2	-1	19.0	4618	74	5.6	112	0.479
16-	45.3686-	114.6839-	2-	12-	0-	L17670	9375	601	17950	113	-3	11.6	13.0	-294	2	-1	23.9	4721	72	8.4	-46	0.772
16-	45.5028-	114.5436-	2-	12-	0-	L17671	-2465	718	24960	197	-3	6.2	42.1	-349	7	2	81.3	3629	27	17.3	255	0.453
16-	45.5028-	114.5425-	2-	12-	0-	L17672	4674	526	33140	146	-2	6.5	19.1	-256	9	-1	83.1	4680	31	16.5	148	0.593
16-	45.4825-	114.5497-	2-	12-	0-	L17673	4066	360	29460	194	-3	6.9	18.2	-266	5	1	50.8	3275	29	12.0	-99	0.870
16-	45.4825-	114.5483-	2-	12-	0-	L17674	4174	526	28210	174	-3	10.8	34.6	-296	6	3	94.9	5935	49	28.8	91	0.505
16-	45.4847-	114.5453-	2-	12-	0-	L17675	5084	590	23590	91	-4	13.2	67.1	-315	8	3	128.5	7173	60	35.5	197	0.576
16-	45.4867-	114.5164-	2-	12-	0-	L17676	6333	630	30530	133	-3	7.1	16.2	-292	5	1	74.5	4229	36	13.5	-22	0.729
16-	45.4858-	114.5136-	2-	12-	0-	L17677	5020	392	27250	131	-3	10.0	22.5	420	3	2	48.9	4065	39	16.9	-1	0.801
16-	45.5517-	114.4653-	2-	11-	0-	L17678	4009	437	28960	147	-3	7.8	9.2	-315	3	-1	38.2	4051	46	11.4	-96	0.475
16-	45.4722-	114.3944-	2-	11-	0-	L17679	6520	512	20130	215	-3	10.9	8.7	-298	-2	-1	20.3	3609	59	8.0	117	0.575
16-	45.4014-	114.5414-	2-	11-	0-	L17680	-2002	620	6535	-30	-2	4.3	3.8	-345	-1	-1	6.6	-804	-10	-1.0		0.388
16-	45.3925-	114.5542-	2-	11-	0-	L17681	6019	624	19440	101	-3	9.3	5.8	-309	-1	-1	13.7	4662	62	4.2	100	0.504
16-	45.3611-	114.5292-	2-	11-	0-	L17682	8342	576	12190	111	-5	11.4	10.4	-422	-2	-1	15.4	3706	63	7.4		0.360
16-	45.3522-	114.5347-	2-	12-	0-	L17683	7100	405	21050	160	-4	12.4	37.8	-269	-2	2	65.7	7849	90	22.5		0.394
16-	45.3028-	114.5503-	2-	15-	0-	L17684	9608	971	12060	113	-4	17.5	14.5	-247	-2	2	32.1	5189	86	16.2	132	0.268
16-	45.2989-	114.5972-	2-	15-	0-	L17686	9313	886	14890	143	-3	11.9	6.5	-307	-2	-1	13.0	3754	71	5.4	212	0.268
16-	45.3103-	114.6247-	2-	12-	0-	L17687	13890	763	21930	142	-4	13.5	8.6	-327	-1	-1	16.3	6062	89	7.4	141	0.548
16-	45.0186-	114.3589-	2-	12-	0-	L17688	6746	530	14620	137	-3	9.9	14.8	318	-2	2	17.8	3634	57	11.9	91	1.142
16-	45.0403-	114.4278-	2-	11-	0-	L17689	6215	149	9638	129	-1	7.3	8.6	-135	-1	-1	8.6	2266	35	5.7	-10	0.607
16-	45.0378-	114.4361-	2-	11-	0-	L17690	6630	197	11400	128	-3	11.3	15.7	-194	-2	1	13.2	2300	47	9.2	-35	1.167
16-	45.2303-	114.4350-	2-	12-	0-	L17691	6522	258	15700	84	-4	8.2	12.1	-270	-1	1	11.9	3032	53	9.6	-52	3.313
16-	45.2300-	114.4383-	2-	12-	0-	L17692	4232	442	19690	111	-3	7.1	40.0	-236	7	2	102.7	5370	40	18.7	133	0.339
16-	45.2350-	114.4278-	2-	11-	0-	L17693	6627	290	12720	152	-3	9.1	8.9	-197	-2	-1	20.3	3521	57	7.0	-46	1.007
16-	45.2356-	114.4269-	2-	12-	0-	L17694	5360	227	4898	-52	-3	5.4	25.5	-268	6	-1	10.1	1913	41	7.2	-23	25.109
16-	45.2517-	114.4153-	2-	15-	0-	L17695	6156	1365	19470	170	-4	14.7	21.3	-422	4	2	31.3	7083	64	14.6	212	0.247
16-	45.2522-	114.4108-	2-	15-	0-	L17696	8040	1306	21120	105	-4	20.0	18.7	-360	3	2	25.9	9303	70	12.4	-45	0.258
16-	45.2589-	114.3961-	2-	12-	0-	L17697	6055	485	18750	190	-3	9.4	24.2	-266	-2	2	27.8	4915	64	17.2		2.966
16-	45.2619-	114.3950-	2-	15-	0-	L17698	5347	1759	26950	145	-3	7.3	69.7	-427	7	5	60.5	3765	38	26.6	243	0.237
16-	45.2681-	114.3819-	2-	15-	0-	L17699	-2699	876	21050	-43	-4	6.1	26.4	-412	-2	2	29.7	4370	39	15.2	154	0.499
16-	45.2667-	114.3778-	2-	15-	0-	L17700	6924	1616	24030	264	-4	12.3	53.6	-425	6	4	60.9	5622	52	27.5	201	0.161
16-	45.2647-	114.3819-	2-	12-	0-	L17701	4959	909	25760	151	-3	8.8	36.2	-265	7	3	55.2	4800	42	22.8	163	0.423
16-	45.2978-	114.3558-	2-	12-	0-	L17702	7223	744	21000	196		11.8	11.9	-294	-2	1	22.1	4096	61	10.7	-39	0.326
16-	45.3078-	114.3911-	2-	15-	0-	L17703	7155	1066	17300	144	-5	17.1	9.6	-374	-1	-1	14.2	7021	91	6.0	-52	0.287
16-	45.3511-	114.3244-	2-	15-	0-	L17704	6975	429	30410	100	-3	11.5	14.8	420	-1	-1	26.6	3763	57	9.2	-47	0.243
16-	45.3561-	114.2847-	2-	15-	0-	L17705	5576	375	34440	85	-3	9.4	8.0	-247	-1	-1	16.3	4830	63	6.5	81	0.370
16-	45.3556-	114.2792-	2-	15-	0-	L17706	5497	456	22360	195	-3	16.1	11.8	-244	-1	1	21.8	4324	85	12.4	178	0.370
16-	45.3664-	114.2958-	2-	12-	0-	L17707	4589	853	17920	170	-4	11.8	27.8	-360	-2	3	25.0	4086	57	27.3	1088	2.070
16-	45.4094-	114.2681-	2-	15-	0-	L17708	13210	891	19160	116	-4	23.4	19.6	-314	-2	1	28.4	5737	121	17.5	-52	0.659
16-	45.4033-	114.2597-	2-	15-	0-	L17709	9468	964	21150	58	-3	15.2	6.7	-309	-2	1	10.8	5033	94	5.8	122	0.528
16-	45.3883-	114.2669-	2-	15-	0-	L17710	7416	778	19510	104	-3	26.7	23.6	-237	5	3	22.2	10470	135	31.2	-52	0.401
16-	45.4219-	114.2744-	2-	15-	0-	L17711	19570	858	17470	144	-4	25.8	9.2	-326	-1	-1	18.6	5400	134	9.9	-53	0.411
16-	45.4194-	114.2842-	2-	15-	0-	L17712	5645	1079	18020	192	-4	18.0	18.6	-335	2	2	24.3	6130	68	14.6	-46	0.213
16-	45.4639-	114.3769-	2-	12-	0-	L17713	-2452	1010	24450	108	-3	7.7	16.8	-370	-2	2	27.0	2916	51	10.9	-75	2.196
16-	45.4533-	114.3911-	2-	12-	0-	L17714	4134	561	25370	171	-3	13.2	20.7	-279	3	2	36.6	4648	71	25.3	124	1.051
16-	45.4525-	114.3947-	2-	12-	0-	L17715	4873	739	21970	138	-3	7.7	28.4	-356	-2	2	52.5	2486	49	21.7	-66	1.099
16-	45.4450-	114.3933-	2-	12-	0-	L17716	5132	674	22150	119	-3	6.8	30.0	-311	-1	3	66.6	3315	44	22.1	129	0.853
16-	45.4444-	114.3897-	2-	12-	0-	L17717	3347	503	25950	193	-3	13.0	20.4	-238	-2	2	40.2	5806	77	37.9	80	1.245

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

(1)

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	RFR/FATF	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED DATE	TIME SAMPLED HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	CONDUCTIVITY (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
16-	45.4428-	114.3989-	2-	12-	0-	L17718-	08/17/79-	13-	26-	10.7-	-	-	7.2-	19-	-2-6-4-8-2-2-1-2-1-3-4-2-													-1-	-	-	-	-	47.53
16-	45.4314-	114.4092-	2-	12-	0-	L17719-	08/17/79-	14-	26-	12.3-	-	-	7.1-	26-	13-2-6-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	40.67
16-	45.4328-	114.4114-	2-	12-	0-	L17720-	08/17/79-	14-	26-	12.2-	-	-	7.2-	19-	12-2-6-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	62.88
16-	45.4339-	114.4033-	2-	12-	0-	L17721-	08/17/79-	15-	26-	10.7-	-	-	7.1-	26-	9-2-6-4-8-2-2-1-2-1-3-4-2-													-1-	-	-	-	-	66.71
16-	45.4242-	114.4272-	2-	12-	0-	L17722-	08/17/79-	15-	26-	13.7-	-	-	7.1-	30-	6-2-6-5-8-2-2-1-2-1-3-4-2-													-1-	-	-	-	-	458.10
16-	45.4222-	114.4292-	2-	12-	0-	L17723-	08/17/79-	15-	27-	11.9-	-	-	6.5-	20-	31-2-6-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	84.28
16-	45.4219-	114.4258-	2-	12-	0-	L17724-	08/17/79-	16-	26-	8.7-	-	-	7.4-	17-	11-2-6-4-6-3-3-1-2-1-3-4-2-													-1-	-	-	-	-	30.04
16-	45.4594-	114.3844-	2-	12-	0-	L17725-	08/17/79-	16-	26-	12.1-	-	-	7.6-	15-	18-2-5-4-6-2-2-1-2-1-3-4-3-													-1-	-	-	-	-	3.76
16-	45.5575-	114.5033-	2-	11-	0-	L17726-	08/17/79-	17-	25-	6.8-	-	-	7.3-	11-	23-2-7-5-8-2- -1- -1-3-4-3-													-1-	-	-	-	-	24.66
16-	45.5683-	114.5239-	2-	11-	0-	L17727-	08/17/79-	18-	25-	10.9-	-	-	6.9-	6-	13-2-6-5-6-2-2-1- -1-3-4-3-													-1-	-	-	-	-	12.67
16-	45.5575-	114.5194-	2-	11-	0-	L17728-	08/17/79-	18-	25-	8.4-	-	-	6.8-	7-	10-2-7-5-8-2-2-1- -1-3-4-3-													-1-	-	-	-	-	18.33
16-	45.3053-	114.6194-	2-	12-	0-	L17729-	08/19/79-	10-	22-	11.5-	C-	-	8.2-	139-	-2-6-2-7-3-3-1-2-3-3-5-3-													-1-	-	-	-	-	16.94
16-	45.3181-	114.6369-	2-	12-	0-	L17730-	08/19/79-	11-	22-	8.6-	C-	-	8.3-	136-	-2-5-1-6-3-3-1-2-3-3-5-3-													-1-	-	-	-	-	20.79
16-	45.3244-	114.6458-	2-	12-	0-	L17731-	08/19/79-	11-	22-	11.9-	C-	-	8.4-	79-	-2-6-2-6-4-3-1-2-3-3-5-1-													-1-	-	-	-	-	19.06
16-	45.3381-	114.6531-	2-	12-	0-	L17732-	08/19/79-	12-	28-	11.1-	C-	-	7.9-	151-	-2-7-1-7-2-2-1-2-2-2-5-2-													-1-	-	-	-	-	5.95
16-	45.4192-	114.2933-	2-	12-	0-	L17733-	08/17/79-	12-	30-	11.9-	-	-	7.9-	55-	22-2-6-2-6-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	34.03
16-	45.4297-	114.2864-	2-	11-	0-	L17734-	08/17/79-	12-	30-	17.5-	-	-	8.1-	299-	28-2-6-5-6-3-3-1- -1-3-5-1-													-1-	-	-	-	-	22.16
16-	45.3489-	114.6742-	2-	12-	0-	L17735-	08/19/79-	12-	28-	7.5-	C-	-	8.2-	139-	-2-7-4-6-2-2-1-2-2-2-5-2-													-1-	-	-	-	-	7.12
16-	45.3661-	114.6847-	2-	12-	0-	L17736-	08/19/79-	13-	30-	12.8-	C-	-	8.1-	97-	-2-7-4-6-2-2-1-2-2-2-5-1-													-1-	-	-	-	-	7.35
16-	45.3678-	114.6861-	2-	11-	0-	L17737-	08/19/79-	13-	30-	11.3-	C-	-	8.1-	93-	-2-7-4-6-2-2-1- -2-2-4-2-													-1-	-	-	-	-	21.37
16-	45.3078-	114.4847-	2-	15-	0-	L17738-	08/19/79-	14-	28-	-	-	-	-	-	15-2-7-4-6- -1- -2-1-2-5-4-													-1-	-	-	-	-	6.44
16-	45.3083-	114.4875-	2-	15-	0-	L17739-	08/19/79-	14-	28-	-	-	-	-	-	18-2-7-4-6- -1- -2-2-1-5-4-													-1-	-	-	-	-	13.21
16-	45.9953-	114.8392-	2-	12-	0-	L17740-	09/10/79-	19-	23-	-	C-	-	-	-	-2-6-4-6-3-3-1-2-2-2-3-4-													-1-	-	-	-	-	12.89
16-	45.9122-	114.8381-	2-	12-	0-	L17741-	09/11/79-	11-	30-	-	C-	-	-	-	-2-6-5-8-2-2-1-2-3-3-5-1-													-1-	-	-	-	-	7.42
16-	45.9117-	114.8461-	2-	12-	0-	L17742-	09/11/79-	11-	30-	-	C-	-	-	-	-2-6-4-6-2-2-1-2-2-3-4-1-													-1-	-	-	-	-	13.25
16-	45.9075-	114.8514-	2-	12-	0-	L17743-	09/11/79-	12-	32-	-	C-	-	-	-	-2-7-4-6-3-3-1-2-1-2-4-1-													-1-	-	-	-	-	18.33
16-	45.9058-	114.8606-	2-	12-	0-	L17744-	09/11/79-	13-	32-	-	C-	-	-	-	-2-7-4-1-3-3-1-2-2-3-4-1-													-1-	-	-	-	-	29.95
16-	45.9047-	114.8550-	2-	15-	0-	L17745-	09/11/79-	13-	32-	-	C-	-	-	-	-2-6-5-6- -1- -2-3-2-4-1-													-1-	-	-	-	-	22.13
16-	45.9169-	114.8275-	2-	12-	0-	L17746-	09/11/79-	14-	32-	-	C-	-	-	-	-2-6-5-6-2-2-1-2-2-3-4-1-													-1-	-	-	-	-	9.01
16-	45.9194-	114.8234-	2-	12-	0-	L17747-	09/11/79-	14-	32-	-	C-	-	-	-	-2-7-5-6-3-3-1-2-2-2-5-2-													-1-	-	-	-	-	3.28
16-	45.9233-	114.8233-	2-	12-	0-	L17748-	09/11/79-	15-	30-	-	C-	-	-	-	-2-6-5-6-2-2-1-2-2-3-5-2-													-1-	-	-	-	-	6.60
16-	45.9364-	114.8342-	2-	15-	0-	L17749-	09/11/79-	16-	32-	-	-	-	-	-	-2-7-4-6- -1- -2-2-2-5-2-													-1-	-	-	-	-	13.81
16-	45.9394-	114.8319-	2-	12-	0-	L17750-	09/11/79-	16-	32-	-	C-	-	-	-	-2-6-5-6-2-2-1-2-2-3-4-1-													-1-	-	-	-	-	4.84
16-	45.9617-	114.8303-	2-	12-	0-	L17751-	09/11/79-	17-	30-	-	C-	-	-	-	-2-7-4-1-3-3-1-2-1-3-5-1-													-1-	-	-	-	-	9.41
16-	45.9786-	114.8369-	2-	12-	0-	L17752-	09/11/79-	18-	30-	-	C-	-	-	-	-2-7-4-1-2-2-1-2-1-2-5-1-													-1-	-	-	-	-	7.21
16-	45.9806-	114.8406-	2-	12-	0-	L17753-	09/11/79-	18-	30-	-	C-	-	-	-	-2-6-4-6-2-2-1-2-2-3-4-1-													-1-	-	-	-	-	13.07
16-	45.9833-	114.8400-	2-	12-	0-	L17754-	09/11/79-	18-	30-	-	C-	-	-	-	-2-6-5-6-2-2-1-2-2-4-4-1-													-1-	-	-	-	-	10.20

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

②

DOE SAMPLE NUMBER						LAB SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE (Concentrations reported in weight parts per million (ppm))												ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY (Concentrations in weight ppm)	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Ag	Bi	Cd	Cu	Nb	Ni	Pb	Sn	W	As	Se	Zr	Be	Li
16-	45.4428-	114.3989-	2-	12-		0-L17718	-5	9	-5	19	-20	-15	18	-10	-15	7	-5	745	4	34
16-	45.4314-	114.4092-	2-	12-		0-L17719	-5	13	-5	-10	-20	-15	19	-10	-15	12	-5	1289	3	42
16-	45.4328-	114.4114-	2-	12-		0-L17720	-5	11	-5	24	-20	-15	50	-10	-15	-5	-5	661	3	32
16-	45.4339-	114.4033-	2-	12-		0-L17721	-5	9	-5	17	-20	-15	33	-10	-15	-5	-5	335	5	84
16-	45.4242-	114.4272-	2-	12-		0-L17722	-5	5	-5	23	-20	-15	23	-10	-15	-5	-5	82	1	5
16-	45.4222-	114.4292-	2-	12-		0-L17723	-5	16	-5	-10	-20	-15	13	-10	23	12	-5	1284	3	44
16-	45.4219-	114.4258-	2-	12-		0-L17724	-5	10	-5	16	-20	-15	8	-10	-15	7	-5	834	3	31
16-	45.4594-	114.3844-	2-	12-		0-L17725	-5	5	-5	15	-20	-15	28	-10	-15	8	-5	281	2	25
16-	45.5575-	114.5033-	2-	11-		0-L17726	-5	9	-5	12	-20	-15	18	-10	-15	-5	-5	832	5	62
16-	45.5683-	114.5233-	2-	11-		0-L17727	-5	9	-5	15	-20	-15	25	10	-15	5	-5	438	6	67
16-	45.5575-	114.5194-	2-	11-		0-L17728	-5	-5	-5	15	-20	-15	24	-10	-15	-5	-5	327	6	25
16-	45.3053-	114.6194-	2-	12-		0-L17729	-5	-5	-5	38	-20	46	26	-10	22	20	-5	1465	2	20
16-	45.3181-	114.6339-	2-	12-		0-L17730	14	21	-5	45	-20	38	56	15	-15	77	6	3559	2	21
16-	45.3244-	114.6458-	2-	12-		0-L17731	-5	-5	-5	49	-20	105	-5	-10	-15	10	-5	322	1	39
16-	45.3381-	114.6631-	2-	12-		0-L17732	-5	-5	-5	51	-20	25	19	-10	-15	15	-5	813	2	21
16-	45.4192-	114.2933-	2-	12-		0-L17733	5	-5	-5	24	-20	-15	6	-10	-15	14	-5	793	4	37
16-	45.4297-	114.2864-	2-	11-		0-L17734	5	-5	-5	28	-20	49	6	-10	32	7	-5	557	4	79
16-	45.3489-	114.6742-	2-	12-		0-L17735	-5	-5	-5	21	-20	25	9	-10	16	14	-5	636	-1	129
16-	45.3661-	114.6847-	2-	12-		0-L17736	-5	12	-5	28	-20	22	16	-10	-15	19	-5	917	1	19
16-	45.3678-	114.6861-	2-	11-		0-L17737	14	25	-5	23	47	30	6	-10	18	30	-5	3890	2	15
16-	45.3078-	114.4847-	2-	15-		0-L17738	-5	6	-5	15	-20	-15	6	-10	-15	8	-5	498	3	37
16-	45.3083-	114.4875-	2-	15-		0-L17739	-5	5	-5	40	-20	-15	8	-10	-15	7	-5	298	3	28
16-	45.9953-	114.8392-	2-	12-		0-L17740	-5	9	-5	16	26	-15	6	-10	-15	9	-5	1355	-1	54
16-	45.9122-	114.8381-	2-	12-		0-L17741	-5	-5	-5	26	-20	32	-5	-10	-15	6	-5	580	-1	49
16-	45.9117-	114.8461-	2-	12-		0-L17742	-5	4	-5	-10	-20	-15	9	-10	-15	6	-5	1274	4	74
16-	45.9075-	114.8514-	2-	12-		0-L17743	-5	11	-5	10	27	-15	10	-10	-15	8	-5	1410	4	47
16-	45.9058-	114.8606-	2-	12-		0-L17744	9	10	-5	-10	91	-15	-5	10	15	14	-5	3761	6	86
16-	45.9047-	114.8550-	2-	15-		0-L17745	-5	12	-5	15	24	-15	17	-10	-15	-5	-5	677	-1	69
16-	45.9169-	114.8275-	2-	12-		0-L17746	-5	-5	-5	22	-20	65	-5	-10	-15	6	-5	362	2	84
16-	45.9194-	114.8236-	2-	12-		0-L17747	-5	-5	-5	13	-20	-15	10	-10	-15	-5	-5	291	2	25
16-	45.9233-	114.8233-	2-	12-		0-L17748	-5	8	-5	29	-20	-15	-5	-10	-15	5	-5	739	2	27
16-	45.9364-	114.8342-	2-	15-		0-L17749	-5	6	-5	11	23	-15	13	-10	-15	7	-5	982	4	129
16-	45.9394-	114.8319-	2-	12-		0-L17750	-5	8	-5	-10	-20	26	10	-10	-15	-5	-5	646	2	23
16-	45.9617-	114.8303-	2-	12-		0-L17751	-5	11	-5	10	29	-15	11	-10	-15	12	-5	809	5	94
16-	45.9786-	114.8369-	2-	12-		0-L17752	5	11	-5	12	27	-15	6	-10	-15	10	-5	1658	2	49
16-	45.9806-	114.8406-	2-	12-		0-L17753	-5	12	-5	-10	23	-15	5	-10	-15	15	-5	1800	3	88
16-	45.9833-	114.8400-	2-	12-		0-L17754	-5	5	-5	22	-20	-15	5	-10	-15	8	-5	589	3	50

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (Concentrations reported in weight parts per million (ppm))															
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Al	Au	Ba	Ca	Ce	Cl	Co	Cr	Cs	Dy	Eu	Fe	Hf	K	La	Lu
16-	45.4428-	114.3989-	2-	12-	0-	L17718	82420	-0.12	881	15060	294	-150	5.8	44	4.7	26	2.5	25680	36.3	19610	128	2.2
16-	45.4314-	114.4092-	2-	12-	0-	L17719	74970	-0.14	808	14470	219	-123	6.1	36	8.1	24	2.0	23660	70.1	24860	116	2.4
16-	45.4328-	114.4114-	2-	12-	0-	L17720	59100	-0.13	701	14150	310	-144	7.9	32	4.6	26	2.2	20700	30.4	17400	157	1.8
16-	45.4339-	114.4033-	2-	12-	0-	L17721	73820	-0.12	716	15520	118	180	7.6	35	6.1	18	1.7	26420	11.3	20320	96	1.1
16-	45.4242-	114.4272-	2-	12-	0-	L17722	26550	-0.15	388	14350	304	353	-2.8	53	-2.5	8	1.9	21620	-1.9	-4992	269	0.9
16-	45.4222-	114.4292-	2-	12-	0-	L17723	80340	-0.14	609	15110	620	-134	5.6	52	4.9	66	2.7	25090	65.0	21690	292	5.7
16-	45.4219-	114.4258-	2-	12-	0-	L17724	66420	-0.20	-230	13650	189	484	8.9	53	-3.0	27	1.3	27150	36.0	15690	85	2.1
16-	45.4594-	114.3844-	2-	12-	0-	L17725	70380	-0.12	833	11910	57	-169	5.6	34	4.8	-1	0.6	21300	8.5	19250	29	0.2
16-	45.5575-	114.5033-	2-	11-	0-	L17726	73860	-0.13	412	12550	214	-188	4.3	-11	5.4	11	1.4	17830	45.3	17590	120	0.9
16-	45.5683-	114.5239-	2-	11-	0-	L17727	81170	-0.15	449	9075	85	222	4.6	-13	5.4	9	0.7	21160	19.5	23410	45	0.7
16-	45.5575-	114.5194-	2-	11-	0-	L17728	53840	-0.15	-236	9894	138	-170	7.7	34	4.0	11	1.2	16920	13.6	-7245	84	0.7
16-	45.3053-	114.6194-	2-	12-	0-	L17729	58060	-0.10	945	20010	181	-109	22.9	124	4.3	10	2.0	37710	44.9	21820	107	0.8
16-	45.3181-	114.6369-	2-	12-	0-	L17730	51900	-0.13	735	18020	389	235	41.4	171	5.0	20	3.0	68370	126.1	18920	197	1.7
16-	45.3244-	114.6458-	2-	12-	0-	L17731	59370	-0.14	559	35100	94	-123	25.7	316	2.9	7	1.4	47760	8.9	17990	50	0.5
16-	45.3381-	114.6631-	2-	12-	0-	L17732	54670	0.20	753	17260	172	-86	18.7	122	4.2	8	1.7	30200	28.2	24320	81	0.6
16-	45.4192-	114.2933-	2-	12-	0-	L17733	85100	-0.11	664	16940	183	-132	8.6	48	6.5	21	1.8	37190	23.2	26170	79	1.6
16-	45.4297-	114.2864-	2-	11-	0-	L17734	92470	-0.16	736	16940	117	358	12.6	132	9.9	11	1.7	42040	17.2	26930	53	0.8
16-	45.3489-	114.6742-	2-	12-	0-	L17735	64010	-0.14	921	23450	145	-113	15.9	114	4.6	8	1.9	40040	22.9	21550	67	0.6
16-	45.3661-	114.6847-	2-	12-	0-	L17736	55880	-0.10	766	15750	167	-94	19.5	107	2.7	9	1.6	31340	35.0	22330	82	0.6
16-	45.3678-	114.6961-	2-	11-	0-	L17737	51030	-0.11	808	19680	482	-103	19.7	191	2.0	18	3.2	70040	138.6	21780	242	2.0
16-	45.3078-	114.4847-	2-	15-	0-	L17738	67720	-0.11	1105	10450	139	313	9.7	65	4.8	10	2.0	37930	20.2	32610	56	0.7
16-	45.3083-	114.4875-	2-	15-	0-	L17739	65400	-0.14	916	15530	137	277	11.6	64	5.7	10	1.7	37060	13.5	28290	52	0.6
16-	45.9953-	114.8392-	2-	12-	0-	L17740	72790	-0.13	568	13200	488	-140	6.2	19	3.5	12	1.6	29990	49.0	24000	256	0.8
16-	45.9122-	114.8381-	2-	12-	0-	L17741	82030	-0.12	982	15980	135	-125	13.5	108	5.5	8	1.4	33650	20.9	19140	71	0.7
16-	45.9117-	114.8461-	2-	12-	0-	L17742	69780	-0.12	668	11450	345	-142	6.2	41	4.2	16	1.9	29820	51.8	26420	152	1.0
16-	45.9075-	114.8514-	2-	12-	0-	L17743	68790	-0.11	567	16410	224	-108	5.7	47	4.4	17	1.2	22470	49.2	28530	107	1.3
16-	45.9058-	114.8606-	2-	12-	0-	L17744	58560	-0.17	592	12630	1469	-136	4.4	46	-2.3	20	2.4	55420	196.3	23890	748	2.2
16-	45.9047-	114.8550-	2-	15-	0-	L17745	68400	-0.13	-167	10560	197	-141	-1.8	-12	3.8	22	0.9	16120	23.3	24310	199	0.8
16-	45.9169-	114.8275-	2-	12-	0-	L17746	74200	-0.15	646	25920	122	-141	18.2	190	3.4	8	1.6	44780	13.0	20560	61	0.3
16-	45.9194-	114.8236-	2-	12-	0-	L17747	81490	-0.12	892	21180	205	-132	8.2	44	-1.9	6	1.8	28520	13.3	15150	95	0.3
16-	45.9233-	114.8233-	2-	12-	0-	L17748	76680	-0.13	863	19310	334	-110	12.5	78	-2.2	12	2.2	38760	27.4	18000	156	0.7
16-	45.9364-	114.8342-	2-	15-	0-	L17749	84780	-0.07	665	6314	167	-122	3.0	13	3.9	9	0.7	21920	35.3	40660	82	0.7
16-	45.9394-	114.8319-	2-	12-	0-	L17750	71680	-0.10	848	18490	288	-133	7.6	50	1.9	9	1.9	33730	23.9	21990	142	0.6
16-	45.9617-	114.8303-	2-	12-	0-	L17751	77170	-0.09	382	6854	280	-115	3.4	-8	4.6	10	0.9	24390	29.2	33750	141	0.6
16-	45.9786-	114.8369-	2-	12-	0-	L17752	71940	-0.13	682	14710	488	-129	7.6	33	4.8	11	1.8	46130	56.1	23480	238	0.6
16-	45.9806-	114.8406-	2-	12-	0-	L17753	78270	-0.10	885	10400	372	-138	5.2	-10	4.1	11	1.8	32650	59.5	31040	218	0.7
16-	45.9833-	114.8400-	2-	12-	0-	L17754	73910	-0.12	706	15970	298	-141	8.3	41	4.0	11	2.2	39050	22.9	19020	151	0.5

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

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DOE SAMPLE NUMBER						LAB. SAMPLE LOCATION NUMBER	ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) Concentrations reported in weight parts per million (ppm)															U/Th RATIO
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE		Mg	Mn	Na	Rb	Sb	Sc	Sm	Sr	Ta	Tb	Th	Ti	V	Yb	Zn	
16-	45.4428-	114.3989-	2-	12-	0-	L17718	4421	541	28500	127	-3	9.5	31.0	-293	-2	2	55.9	2928	47	21.9	-34	0.850
16-	45.4314-	114.4092-	2-	12-	0-	L17719	3119	403	25710	148	-3	10.3	19.0	-282	-2	2	45.3	4318	55	26.4	67	0.898
16-	45.4328-	114.4114-	2-	12-	0-	L17720	-2528	751	21520	140	-4	7.2	28.6	-379	-2	2	61.5	2581	40	18.0	110	1.022
16-	45.4339-	114.4033-	2-	12-	0-	L17721	7226	556	16130	-40	-3	9.6	16.4	-278	-2	2	23.3	3308	63	11.1	92	2.863
16-	45.4242-	114.4272-	2-	12-	0-	L17722	-2063	607	2409	-64	-4	3.7	46.6	-369	13	-1	7.2	-897	53	-2.7	106	63.625
16-	45.4222-	114.4292-	2-	12-	0-	L17723	-2435	471	26890	144	-4	9.1	64.1	-316	-2	6	154.5	4810	50	59.8	119	0.546
16-	45.4219-	114.4258-	2-	12-	0-	L17724	-3256	1146	17070	-66	-5	8.2	20.4	-563	-3	-1	37.3	3105	53	23.2	-240	0.805
16-	45.4594-	114.3844-	2-	12-	0-	L17725	5020	1256	18430	130	-3	7.2	4.6	-421	-2	-1	11.8	3906	51	4.8	-53	0.319
16-	45.5575-	114.5033-	2-	11-	0-	L17726	4426	622	29930	113	-3	5.6	10.8	-359	5	-1	59.7	3383	34	10.9	151	0.413
16-	45.5683-	114.5239-	2-	11-	0-	L17727	-2776	322	23210	94	-4	6.7	7.0	-346	-2	-1	28.9	3973	56	7.3	139	0.438
16-	45.5575-	114.5194-	2-	11-	0-	L17728	-3096	1702	14650	-53	-4	6.1	10.4	-611	-3	-1	19.6	3508	33	7.6	161	0.935
16-	45.3053-	114.6194-	2-	12-	0-	L17729	8882	838	16930	-37	-3	10.9	10.7	-253	2	-1	29.6	7262	99	8.5	95	0.572
16-	45.3181-	114.6369-	2-	12-	0-	L17730	7954	1115	13130	-47	-3	12.3	23.1	-297	4	2	76.9	12420	148	16.5	158	0.271
16-	45.3244-	114.6458-	2-	12-	0-	L17731	29160	967	17750	-49	-4	18.6	9.3	-366	-1	-1	13.1	4483	122	4.4	-16	1.455
16-	45.3381-	114.6631-	2-	12-	0-	L17732	6976	612	15720	109	-2	10.3	10.1	-227	2	-1	25.7	4651	72	7.1	117	0.232
16-	45.4192-	114.2933-	2-	12-	0-	L17733	9037	578	28580	174	-3	14.1	18.0	-257	-1	2	28.0	5164	81	17.9	91	1.215
16-	45.4297-	114.2864-	2-	11-	0-	L17734	10520	383	17720	172	-4	20.9	10.0	405	-2	-1	32.1	6422	108	10.7		0.690
16-	45.3489-	114.6742-	2-	12-	0-	L17735	11170	905	15300	113	-4	12.7	10.1	-346	-1	-1	19.5	5127	75	4.7	145	0.365
16-	45.3661-	114.6847-	2-	12-	0-	L17736	9367	620	15760	-34	-3	9.9	9.9	-244	-1	-1	23.3	5621	67	8.1	-72	0.315
16-	45.3678-	114.6861-	2-	11-	0-	L17737	8774	1250	14510	98	-3	13.5	25.4	-267	6	2	75.8	15700	167	22.4	133	0.282
16-	45.3078-	114.4847-	2-	15-	0-	L17738	8049	334	15340	197	-3	10.9	11.0	-220	-1	1	21.5	4366	75	7.5	145	0.300
16-	45.3083-	114.4875-	2-	15-	0-	L17739	10090	536	14500	128	-4	11.2	8.5	-307	-1	-1	17.4	5558	71	7.3	102	0.759
16-	45.9953-	114.8392-	2-	12-	0-	L17740	5520	579	26130	-39	-3	7.8	29.3	-330	3	-1	53.4	5038	34	11.8	-145	0.241
16-	45.9122-	114.8381-	2-	12-	0-	L17741	13020	592	18940	97	-3	12.5	10.3	-272	-2	-1	19.2	5046	85	4.2	116	0.386
16-	45.9117-	114.8461-	2-	12-	0-	L17742	5632	559	22460	137	-3	8.8	22.7	-282	-2	2	44.4	3720	38	10.4	132	0.298
16-	45.9075-	114.8514-	2-	12-	0-	L17743	7323	437	22590	135	-3	7.3	20.0	-256	5	2	53.7	3462	39	14.6	101	0.341
16-	45.9058-	114.8606-	2-	12-	0-	L17744	4200	1474	21550	118	-4	12.8	78.5	-397	10	3	139.7	13660	36	21.3	219	0.214
16-	45.9047-	114.8550-	2-	15-	0-	L17745	-2391	251	20150	117	-3	6.4	29.3	-268	3	2	35.8	2899	17	7.9	103	0.618
16-	45.9169-	114.8275-	2-	12-	0-	L17746	18290	921	14700	-55	-4	17.9	9.7	-350	-2	-1	18.3	4959	101	-3.2	225	0.492
16-	45.9194-	114.8236-	2-	12-	0-	L17747	10230	523	23550	-44	-3	8.1	12.5	530	-2	-1	25.5	3399	61	7.7	106	0.129
16-	45.9233-	114.8233-	2-	12-	0-	L17748	11030	698	16520	-45	-4	11.4	23.4	474	-2	-1	49.2	5210	93	12.5	-65	0.134
16-	45.9364-	114.8342-	2-	15-	0-	L17749	-1965	491	29070	170	-2	4.1	10.9	-231	4	1	37.3	2758	23	7.4	103	0.370
16-	45.9394-	114.8319-	2-	12-	0-	L17750	10100	417	26500	-36	-3	8.8	18.3	393	-1	-1	36.3	3262	46	5.4	145	0.133
16-	45.9617-	114.8303-	2-	12-	0-	L17751	-2049	336	30030	194	-2	4.5	17.0	-245	4	-1	37.7	2894	19	5.8	-85	0.250
16-	45.9786-	114.8369-	2-	12-	0-	L17752	6818	954	23900	106	-3	11.4	27.1	-334	4	-1	43.0	7046	48	8.8	185	0.168
16-	45.9806-	114.8406-	2-	12-	0-	L17753	5723	706	29030	120	-3	7.0	18.3	-275	3	1	41.8	5793	38	8.1	150	0.313
16-	45.9833-	114.8400-	2-	12-	0-	L17754	5103	727	19470	89	-3	10.3	18.1	746	-2	-1	32.3	4329	55	5.4	187	0.316

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APPENDIX II

SUMMARY OF STANDARD LASL HSSR PROCEDURES AND CODES

APPENDIX II-A

Summary of Standard LASL HSSR Field and Analytical Procedures

APPENDIX II-B

Explanation of Codes Used in Appendix I

APPENDIX II-C

Key to Sample Types Listed in Appendix I

APPENDIX II-A

SUMMARY OF STANDARD LASL HSSR FIELD AND ANALYTICAL PROCEDURES

I. FIELD PROCEDURES

Water Sampling

Water samples are collected directly from the source wherever possible, filtered through a 0.45-μ membrane filter (except in Alaska where this step is omitted) directly into one each, prewashed and sealed, 41-ml reactor "rabbit" and 25-ml vial (both polyethylene). Water samples in both the rabbit and vial are then acidified to a pH <1 with 8N reagent-grade HNO_3. All sample containers are doubly labeled with preprinted, adhesive labels carrying the same sample location number as that preprinted on the field data form. Springs are sampled as near to their point of emergence as possible; stream waters are taken from the fast-flowing current away from the bank; ponds (including small lakes and reservoirs) are sampled from just below the surface, near their center; and well waters are taken near the wellhead if the well is pumping.

Sediment Sampling (Wet or Dry)

Following the collection of the water sample (if any), enough fine-grained, organic-rich, water-transported sediment to yield a composite sample of 25 g after processing (as indicated below) is taken from beneath the water level (where water exists) at three adjacent spots at each spring or stream location. The sediment is put into a new, clean, and originally sealed, rip-top polyethylene bag which is then properly double-labeled for delivery (with the field data form) to the contractor's drying facility. After drying at <100°C, each sample is sieved through a 100-mesh stainless steel sieve. The minus 100-mesh fraction is put into a prewashed, 25-ml polyethylene vial which is then appropriately double-labeled (using labels from the data form) and sealed for shipment to the LASL. In the case of lakes sampled in Alaska, the sediment is taken from as near the center of each lake as possible by dropping a tethered, stainless steel bottom sampler overboard from a pontoon-equipped helicopter. Here, only a bottom sample from a single location is taken (i.e., it is not a composite) and sampling is limited to lakes less than 10 m deep and about 0.3 to 2.0 km in least horizontal dimension. The bottom sampler is rinsed before each use and the raw sample is put into a clean polyethylene bag, labeled, and treated as above.

Field Measurements

The air temperature, read in the shade at the time of sampling, is recorded to the nearest whole degree Celsius. The water temperature is measured in the source water and recorded to the nearest one-half degree Celsius. The pH of the source water is measured with a calibrated, portable pH meter and recorded to the nearest one-tenth of a pH unit. The conductivity (in μmho/cm) of the source water is measured with a calibrated, temperature-compensated (25°C), portable meter. The scintillometer readings are measured with a portable scintillometer on a flat, dry spot within a few meters of the sample location at spring or stream sites. Two readings are recorded, the first with a radiation shield in place (blocking out ground radiation) and the second with the shield removed. The readings (in counts/s) are converted by computer,

using measured calibration factors, to the equivalent uranium (eU) value in the data listings. Special measurements, such as dissolved oxygen, are made with a calibrated, commercially available, portable meter and probe. In lakes, the water temperature, pH, conductivity, and dissolved oxygen are all measured with a single, digital-readout unit, utilizing a parameter selector switch and a composite probe that is lowered from the sampling helicopter to just below the water's surface. Care is taken to see that these measurements are made before the bottom sediment is disturbed.

Field Observations

These represent the best judgment of the field sampler at a location and include general descriptions of the local bedrock, sediment, water, vegetation, terrain, weather, possible contaminants, and well configuration, if applicable. Because these observations are subjective and made quickly in the field, they should be held subordinate to formally documented information such as that provided by published topographic or geologic maps, etc.

Sample Location Verification

Each contractor is supplied field maps with the desired sample types and general locations symbolically premarked at the LASL. In the lower states, the field maps are generally 1:24 000-scale or 1:62 500-scale USGS topographic maps; in Alaska, they are normally 1:250 000-scale NTMS quadrangle maps, also available from the USGS. As each location is sampled, a unique sample location number, preprinted on transparent adhesive labels (also used for labeling the samples) that are provided with each identically numbered field data form, is placed on top of the precisely marked point representing the sample site on the field map. When a desired sample as specified cannot be obtained, an identical or alternate sample type (as near as possible to the original one) is picked, and the new sample type and/or location is/are marked on the field map and properly labeled as above. The latitude and longitude of each location is then computed by the sampling contractor within 48 h of taking each sample. Every location is later checked at LASL by digitizing the sample locations on each map and comparing them to those computed in the field. The latitudes and/or longitudes are corrected if the field-computed locations are displaced by more than 300 m from the locations marked on the field maps. A final visual check of sample locations is made by overlaying computer-produced location plots on the field maps used. The computer program for generating the Universal Transverse Mercator map projection overlays is described by Cheadle (1977).

II. ANALYTICAL PROCEDURES

Uranium Determination in Water Samples by Fluorometry

Under normal procedures, the 25-ml water vial is vigorously shaken and duplicate 0.20-ml aliquots of water are transferred to platinum dishes. The aliquots are evaporated under heat lamps and a 0.4-g pellet of 2% LiF-98% NaF flux is added to each dish. The pellets are first preheated under lamps, then fused over special propane burners. After each pellet/sample cools, it is excited with ultraviolet radiation in the fluorometer and the fluorescence is read and recorded. The uranium concentrations are determined by using a computer routine which compares the fluorescence from each pellet with those from other pellets, run at the same time, containing uranium-standard solutions and

blanks. The uranium concentration of the sample, as given in the appropriate data listings, is then the average obtained from the duplicate aliquots. The lower limit of detection for each aliquot by the normal procedure is 0.2 ppb; however, in some areas many samples have uranium concentrations below this. Consequently, when a sample run by the normal procedure is determined to have <0.2 ppb uranium, it is routinely reanalyzed using new duplicate aliquots that have been put through an additional evaporative concentration step that provides a 10X concentration factor. This additional procedure, using the same basic fluorometric method, reduces the lower limit of detection of uranium in natural waters to 0.02 ppb. When a uranium concentration lower than 0.02 ppb is found in an aliquot, it is arbitrarily assigned a value of 0.01 ppb. If the uranium value given in the data listings is 0.01 ppb, both aliquots had uranium concentrations below the detection limit. Note that waters collected. Whether concentrated or not (which can be determined from the uranium level in the listing), the fluorometric analytical precision is ~30% at the lower detection limit, ~20% at one order of magnitude above this, and ~10% at two or more orders of magnitude above the lower detection limit. The basic fluorometric method used is described in detail by Hues et al (1977).

Uranium Determination in Water Samples by Delayed-Neutron Counting (DNC)

Only waters with >40 ppb uranium (as determined by fluorometry at the LASL, where this is the upper limit of detection without recalibration) or those with impurities that cause interference with uranium-induced fluorescence are analyzed using DNC. Samples are received in 41-ml or 25-ml vials and are transferred to clean, labeled, 41-ml rabbits before being analyzed. Each water sample is weighed, and its weight (less that of the rabbit) and location number are recorded. The vials are then loaded into a 25-sample transfer clip. The reactor pneumatic transfer system and background radiation levels are checked and four standards are run for calibration. The transfer clip is installed on the pneumatic feed line and the samples are cycled through the system (typically, a 60-s irradiation, 30-s delay, and 60-s count cycle is used). The uranium concentration is automatically measured, converted to ppb, and entered into a computer data base. The lower detection limit for uranium in water by DNC as used at the LASL is 0.5 ppb. The statistical error of this method is ~20% at a uranium concentration of 1 ppb, ~6% at 10 ppb, and <4% at 40 ppb or greater. Statistical treatments of uranium concentrations obtained from the same suites of samples analyzed both by fluorometry and DNC have shown that there is no significant difference between the results of the two analytical methods as used at the LASL. This analytical comparability is rechecked periodically.

Uranium Determination in Sediment Samples by DNC

All sediment samples are analyzed for total uranium by DNC. A split of each sample (dried and sieved as described) is transferred to a clean 4-ml rabbit, weighed, and its weight (less that of the rabbit) recorded along with the appropriate location number. These rabbits are then loaded into a 50-sample transfer clip. The reactor pneumatic transfer system and background radiation levels are checked, and standards are run for calibration. The transfer clip is installed and the samples are cycled through the system (typically, a 20-s irradiation, 10-s delay, and 30-s count cycle is used). The uranium concentration is automatically measured, converted to ppm, and entered into the data base. The lower limit of detection of this method is 0.01 ppm uranium, far below the range of uranium concentrations in natural

sediment samples. Above the 1 ppm level, the uranium values in sediment measured by DNC at the LASL have a one-sigma error of less than 4%. The specially designed delayed-neutron detectors, built by the LASL and used for these analyses, are described by Balestrini et al (1976).

Elemental Determinations in Sediment Samples by Energy Dispersive X-Ray Fluorescence

A computer-controlled, energy-dispersive x-ray fluorescence system is used to determine Ag, As, Bi, Cd, Cu, Nb, Ni, Pb, Se, Sn, W and Zr in sediments. The system consists of an automatic 20-position sample changer, a lithium-drifted silicon detector, a pulsed molybdenum transmission-target x-ray tube, a multichannel analyzer, and a minicomputer. The sediment samples are prepared for analysis by grinding 6 g of each minus 100-mesh sample to a minus 325-mesh powder. A computer program positions the 6-g samples in the x-ray beam, unfolds overlapping peaks, determines peak intensities for each element, and calculates the ratio of the intensity of each peak to that of the molybdenum K_α Compton peak. Concentrations of each element are then calculated using equations obtained by analyzing prepared standards. Detection limits are: 5 ppm for Ag, As, Bi, Cd, and Pb, Se, and Zr; 10 ppm for Cu and Sn; 15 ppm for Ni and W; and 20 ppm for Nb. When an analysis results in an elemental concentration that is below the detection limit, a minus sign preceding the value of the detection limit for that element is inserted in the data listings. The relative standard deviation is 10% or less at the 100-ppm level and 20% or less at the 20-ppm level. Details of the method and equipment used are described by Hansel and Martell (1977).

Beryllium and Lithium Determinations in Sediment Samples by Arc-Source Emission Spectrography

A 5-mg portion of the -325-mesh sample that has already been analyzed by x-ray fluorescence is mixed with 10 mg of a buffer consisting of one part graphite and one part SiO_2. The sample/buffer mixture is placed into a graphite electrode that is used as the anode of a dc arc having a short circuit current of 6A for 10 s, then 17A for 50 s. Photomultiplier tubes in a direct-reading spectrograph are used to measure the second order 313.0-nm line of Be, the first order 670.7- and 610.3-nm lines of Li, the background spectra near these lines, and the 327.6-nm line of V. The 670.7-nm Li line is used for Li concentrations up to 10 ppm and the 610.3-nm line of Li is used for concentrations above 10 ppm. The V line is used to correct the Be value when V is present. The signals from the photomultiplier tubes are read by a digital voltmeter and are processed by a desk-top calculator. The results are simultaneously printed on paper and written on cassette tape for later transmission to a computer data file. The elemental concentrations of Be and Li are determined from the spectra, based on the results of previously run calibration standards. The lower detection limit for both elements is 1 ppm. When an analysis results in an elemental concentration that is below the detection limit, a minus sign preceding the value of the detection limit for that element is inserted in the data listings. Precision at the lower detection limit is ~50% for both elements and improves to ~25% at one order of magnitude above the lower limit.

Elemental Determinations in Sediment Samples by Neutron Activation Analysis (NAA)

Immediately upon completion of the uranium analysis of sediment samples by DNC, the same 4-ml sediment splits are entered into the NAA sequence. The concentrations of 31 additional elements are determined by this procedure. The full DNC/NAA timing sequence used at the LASL for each sediment sample is: 20-s irradiation, 10-s delay, 30-s DNC analysis, 20-min delay, 500-s γ-ray count for short-lived radionuclides, 96-s re-irradiation, 14-day delay, and finally a 1000-s γ-ray count for long-lived radionuclides. The γ-ray counting is done by lead-shielded Ge(Li) detectors; the 4096-channel γ-ray data are recorded and subsequently analyzed for each individual element by computer. The analytical data for each sample are automatically printed out along with the associated statistical errors. The lower detection limits for the various elements as reflected by the "less than" values (denoted by a minus sign in front of a concentration) in the data listings are the values for the individual elements at which the statistical counting error approaches 50%. Current "typical" lower detection limits for the elements determined by NAA are reported in Nunes and Weaver (1978); however, the actual detection limit for an element depends upon the composition of the sample, and this limit may be higher or lower than the typical value. At concentration values one order of magnitude above the lower detection limits, the relative errors are generally less than 10%.

APPENDIX II-B

EXPLANATION OF CODES USED

DOE SAMPLE NUMBER

STATE: A two-digit Federal Information Processing Standards (FIPS) code that designates the state from which each sample came. For the states being sampled by the LASL, the code numbers are:

Alaska	= 02	Montana	= 30	South Dakota	= 46
Arizona	= 04	Nebraska	= 31	Texas	= 48
Colorado	= 08	New Mexico	= 35	Utah	= 49
Idaho	= 16	North Dakota	= 38	Wyoming	= 56
Kansas	= 20	Oklahoma	= 40		

LATITUDE AND LONGITUDE: Sample location, in degrees and decimal degrees to four places. Although generally much better, locational accuracy cannot be guaranteed closer than about 300 m (1000 ft).

DOE LAB: A Department of Energy (DOE) one-digit identifier designating the DOE laboratory responsible for taking the samples and data shown in the listings, as well as providing the analyses of the uranium and other elemental concentrations, if any. The LASL is designated by the numeral 2.

SAMPLE TYPE: A two-digit identifier which specifically designates the pertinent properties defining the sample type to which the listed data relate. For explanation of the code used, refer to the attached "Key to Sample Types," in section C of this appendix.

REPLICATE: A three-digit sequential number assigned to indicate a multiple sample of a single sample type from a single location. The largest number in use indicates the most recent sample taken and there will always be all smaller sequential numbers representing earlier samples back to 0, which is the initial sample from any given location. Except in the case of special studies, there will be no replicate samples and this entry will therefore be a single zero.

LASL SAMPLE LOCATION NUMBER AND FIELD DATA

LASL SAMPLE LOCATION NUMBER: A unique six-place alphanumeric designator permanently assigned by the LASL to every location sampled. For internal use, these numbers are assigned in blocks to the various areas individually treated and reported upon, and therefore serve to generally locate the samples within various areas for which the LASL is responsible as follows.

Location Numbers		State
N00 001 through N99 999	=	Principally New Mexico
C00 001 through C99 999	=	Principally Colorado
W00 001 through W99 999	=	Principally Wyoming
M00 001 through M99 999	=	Principally Montana
A00 001 and above	=	Alaska only
L00 001 and above	=	Areas beyond the western boundary of LASL's region as established by DOE in 1977.
Ø00 001 and above	=	Areas beyond the eastern boundary of LASL's region as established by DOE in 1977.

TIME SAMPLED: The DATE the sample was taken, in terms of the number of the MONTH, followed by the DAY and finally the YEAR, separated by slashes, and then the TIME it was taken on that date to the nearest whole HOUR on a 24-hour clock.

AIR TEMPERATURE: The temperature measured in the shade at the time of sampling, to the nearest whole degree Celsius (°C).

WATER TEMPERATURE: The temperature measured in the sample water (in situ whenever possible) at the time of sampling, to the nearest one-half of one degree Celsius (0.5°C).

COMMENTS: A "C" in this column indicates that some secondary comment not included in the listing was recorded at the sample location. This information will be used by the LASL in evaluating the data, and if appropriate, it will be mentioned in the final report.

SPECIAL MEASUREMENTS: An "S" in this column indicates that one or more field measurements in addition to those listed were made at the sample location. A description of any special parameters measured and the measured value at each sample location will be included in the final HSSR survey report on the area.

pH: The pH, to the nearest one-tenth (0.1) of a pH unit, measured in the water at the sample location at the time of sampling.

CONDUCTIVITY: The conductivity, in μmho/cm, measured in the water at the sample location at the time of sampling.

SCINTILLOMETER: The equivalent uranium (eU), in ppm, as measured on a flat ground surface within 10 m of the sample location using a scintillometer fitted with a differential gamma sampler (DGS). The effect of the DGS is to introduce a fixed geometry into the measurement and remove the background.

ROCK TYPE: The single digit in this column provides a general description of the dominant lithologic regime at or near the sample location, as given below.

1 = Sedimentary	3 = Igneous
2 = Metamorphic	4 = Unknown

ROCK COLOR: The single digit in this column provides an indication of the observed dominant color of local bedrock exposures at or near the sample location, as given below.

1 = White/Buff	4 = Pink/Red	7 = Gray
2 = Yellow	5 = Green	8 = Black
3 = Orange	6 = Brown	9 = Other

SEDIMENT TYPE: The single digit in this column provides a subjective evaluation of the dominant sediment type at the sample location, as given below.

1 = Boulders	4 = Sand	7 = Other
2 = Cobbles	5 = Mud	
3 = Gravel	6 = Muck	

SEDIMENT COLOR: The single digit in this column indicates the observed dominant color of the bottom sediment (stream channel, lake bed, etc.) at the sample location at the time of sampling, as given below.

1 = White/Buff	4 = Pink/Red	7 = Gray
2 = Yellow	5 = Green	8 = Black
3 = Orange	6 = Brown	9 = Other

WATER FLOW: The single digit in this column provides a subjective evaluation of the water movement at the sample location at the time of sampling, as given below.

1 = Stagnant	3 = Moderate	5 = Torrent
2 = Slow	4 = Fast	

WATER LEVEL: The single digit in this column provides a subjective estimate of water quantity at the time of sampling, relative to its usual condition at the sample location, as given below.

1 = Dry	3 = Normal	5 = Flood
2 = Low	4 = High	

WATER COLOR: The single digit in this column provides a subjective evaluation of suspended load in the sample water, as given below.

1 = Clear	3 = Cloudy	5 = Algal
2 = Murky	4 = Muddy	6 = Other

STREAM CHANNEL: The single digit here gives a subjective evaluation of stream channel character at the sample location at the time of sampling, as given below.

1 = Depositing	2 = Eroding	3 = Unknown

VEGETATION TYPE: The single digit in this column provides a subjective evaluation of the dominant plant type in the vicinity of the sample location, as given below.

1 = Conifers	4 = Grass	7 = Other
2 = Deciduous	5 = Moss	
3 = Brush	6 = Marsh	

VEGETATION DENSITY: The single digit in this column provides a subjective estimate of the amount of plant cover in the vicinity of the sample location, as given below.

1 = Barren	3 = Moderate	5 = Very Dense
2 = Sparse	4 = Dense	

RELIEF: The single digit in this column provides a subjective evaluation of the topography within a few hundred meters of the sample location, as given below.

1 = Flat	3 = Gentle (15-60 m)	5 = High (>300 m)
2 = Low (<15 m)	4 = Moderate (60-300 m)	6 = Other

WEATHER: The single digit in this column gives the observed climatic condition at the sample location at the time of sampling, as given below.

1 = Clear	3 = Overcast	5 = Snowy
2 = Partly cloudy	4 = Rainy	6 = Other

OWNERSHIP: Not used.

CONTAMINANTS: The single digit here indicates known or suspected local factors likely to influence analytical results, as given below.

1 = None	4 = Industry	7 = Urban
2 = Mining	5 = Sewage	8 = Recreation
3 = Agriculture	6 = Power generation	9 = Other

WELL TYPE: If a well water sample, the single digit in this column provides a general description of the type of well from which the sample was taken, as given below.

1 = Windmill-stock	4 = Suction pump	7 = Hand bail
2 = Windmill-domestic	5 = Jet pump	8 = Unknown
3 = Submersible pump	6 = Large turbine	9 = Other

WELL DIAMETER: When shown, the one or two digits in this column give the measured or estimated inside diameter, in inches, of the well casing from which the water sample came.

WELL DEPTH: When shown, the one, two, or three digits in this column give the total drilled depth from the surface, in feet, of the well from which the sample came. Three 9s in this column indicates a well depth greater than 1000 ft.

WATER DEPTH: When shown, the one, two, or three digits in this column give the known depth, in feet, from the surface to the standing water in the well. A -1 in this column indicates a flowing artesian well.

URANIUM CONCENTRATION: The value given in this column is the analytically derived value of the total uranium concentration found in the water sample (in ppb) or in the sediment sample (in ppm). Those uranium concentrations <u>in water</u> that are shown with an asterisk were measured using the delayed-neutron counting method, while those without an asterisk were determined fluorometrically. The uranium analyses in water samples as determined by both of these methods at the LASL are directly comparable, as noted in section A of this appendix.

REMAINING ENTRIES: The data presented in the remaining entries of the listings utilize no codes as such and are described in the respective column headings. However, there are four conventions used throughout the listings of elemental concentrations: a) all concentrations in waters are reported in ppb; b) all concentrations in sediments are reported in ppm; c) concentrations "less than" the lower detection limit are denoted by a minus sign before this limit for the specific sample (except for fluorometrically determined uranium in waters, the convention for which is described in section A of this appendix); and d) a blank space in the data listings for any elemental concentration signifies that no analytical result was obtained for that element.

APPENDIX II-C

KEY TO SAMPLE TYPES LISTED IN APPENDIX I

This numerical key provides the necessary tie between the specific type or form of each sample taken and each individual suite of field and laboratory data to which the sample relates. It defines the various sample types collected by the LASL in the DOE HSSR for uranium.

The two-digit key number assigned to each sample type designates three distinct properties of the samples taken. These properties are: (a) The general sample source (spring, stream, dry stream, etc.); (b) The sample medium (water or sediment); and (c) The treatment given the sample in the field or laboratory prior to its analysis by the LASL.

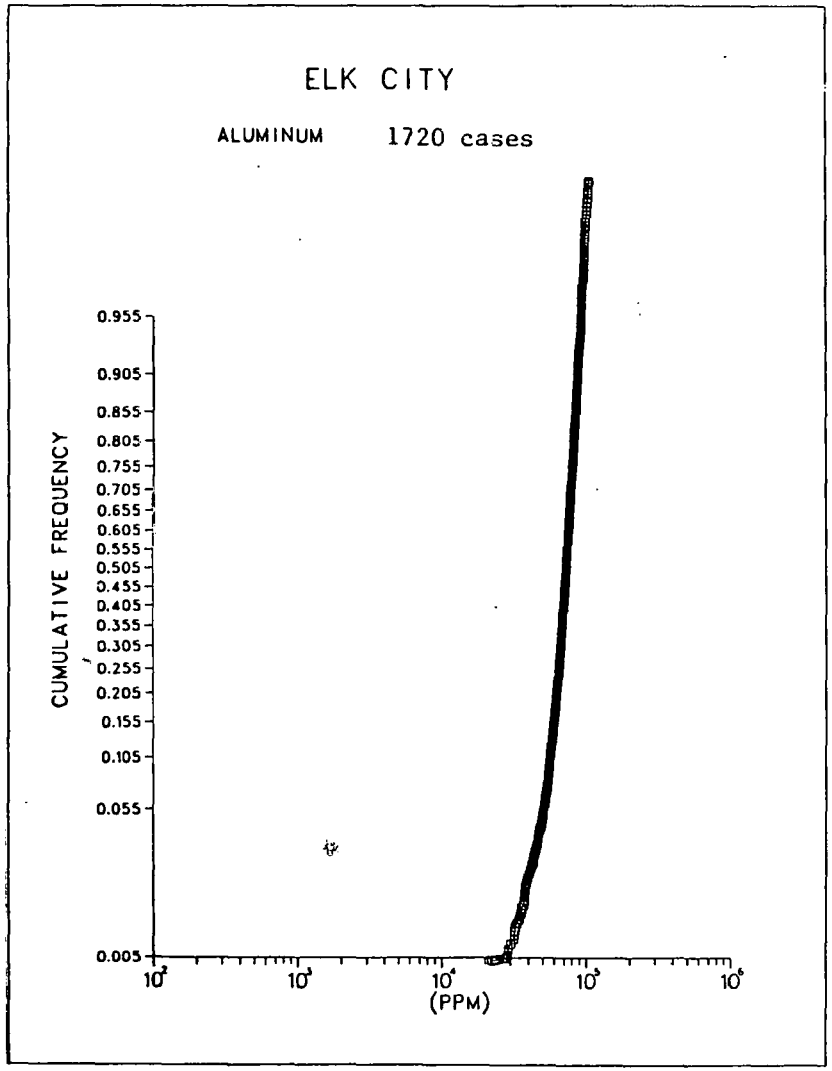
The key numbers are inserted in the sample type columns of the specially formatted DOE sample numbering system to positively identify the sample type for all LASL sample data submitted.

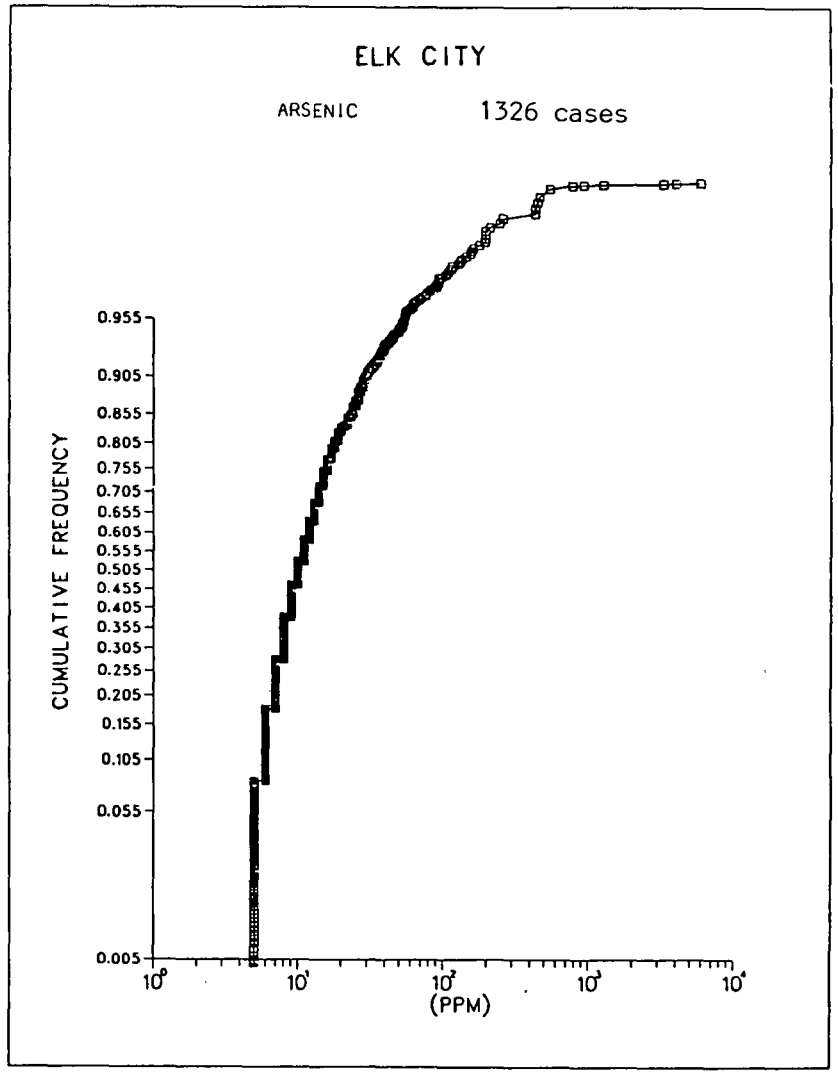
KEY NO.	SOURCE / MEDIUM / TREATMENT
06	Spring water sample filtered through a 0.45-μ membrane filter and acidified to a pH of ≤1 with reagent-grade nitric acid (HNO_3).
07	Stream water sample filtered through a 0.45-μ membrane filter and acidified to a pH of ≤1 with reagent-grade nitric acid (HNO_3).
08	Well water sample filtered through a 0.45-μ membrane filter and acidified to a pH of ≤1 with reagent-grade nitric acid (HNO_3).
11	Wet spring sediment sample dried at ≤100°C and sieved to -100 mesh through stainless steel sieves.
12	Wet stream sediment sample dried at ≤100°C and sieved to -100 mesh through stainless steel sieves.
15	Dry stream sediment sample dried at ≤100°C (if necessary) and sieved to -100 mesh through stainless steel sieves.
99	Dry Spring Sediment sample dried at <100°C (if necessary) and sieved to -100 mesh through stainless steel sieves.

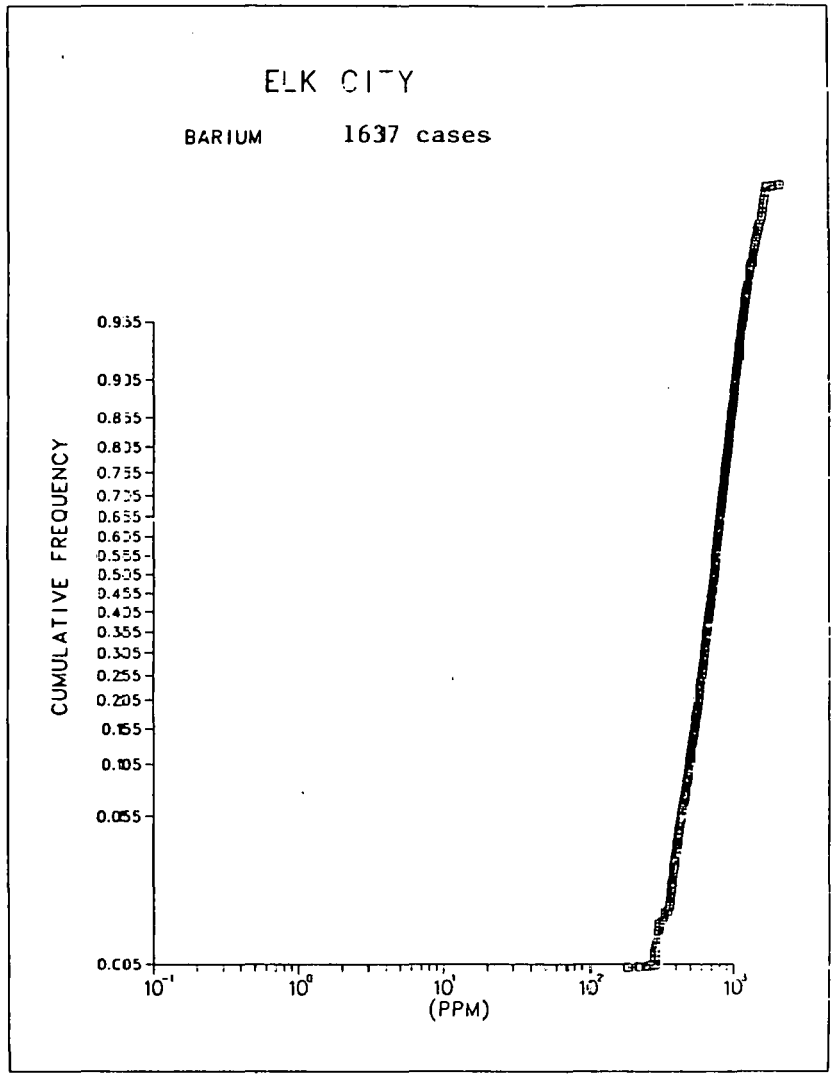
APPENDIX III

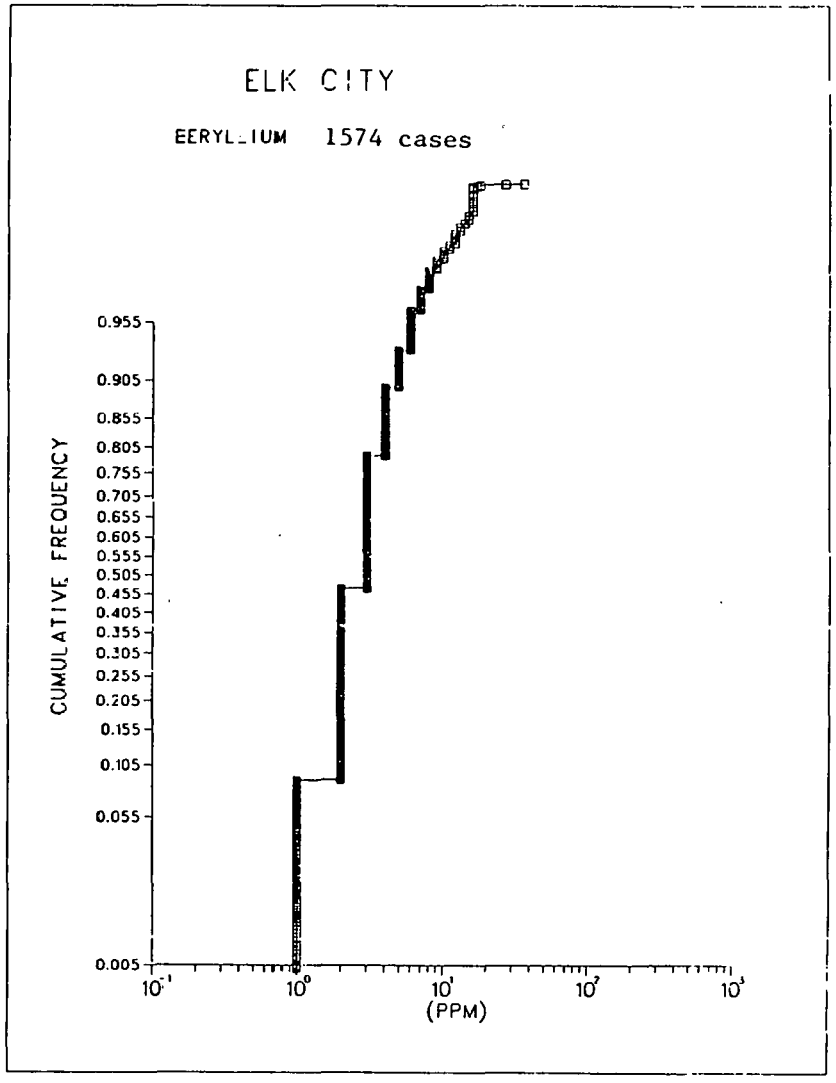
CUMULATIVE FREQUENCY PLOTS FOR FORTY ELEMENTS ANALYZED FOR IN SEDIMENT SAMPLES FROM THE ELK CITY QUADRANGLE, IDAHO/MONTANA *

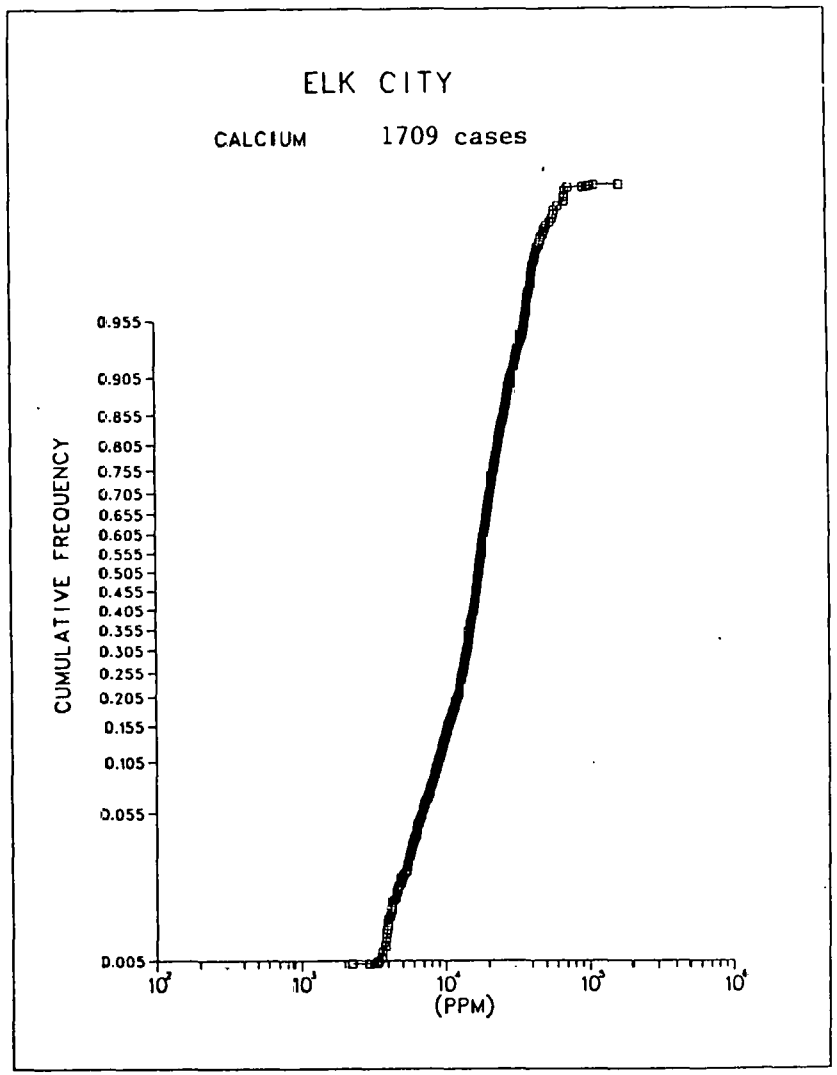
* Cumulative frequency plots for each element listed alphabetically. Values below detection limits not plotted.

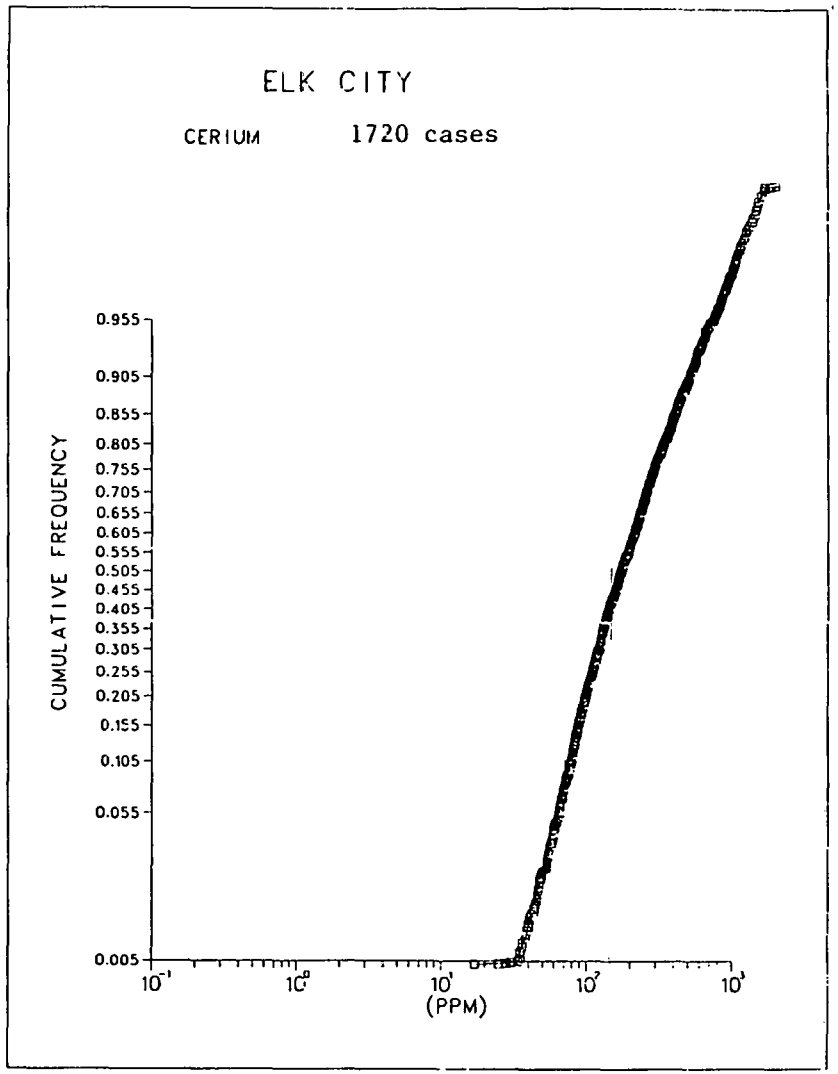

ELK CITY
ALUMINUM 1720 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
(PPM)

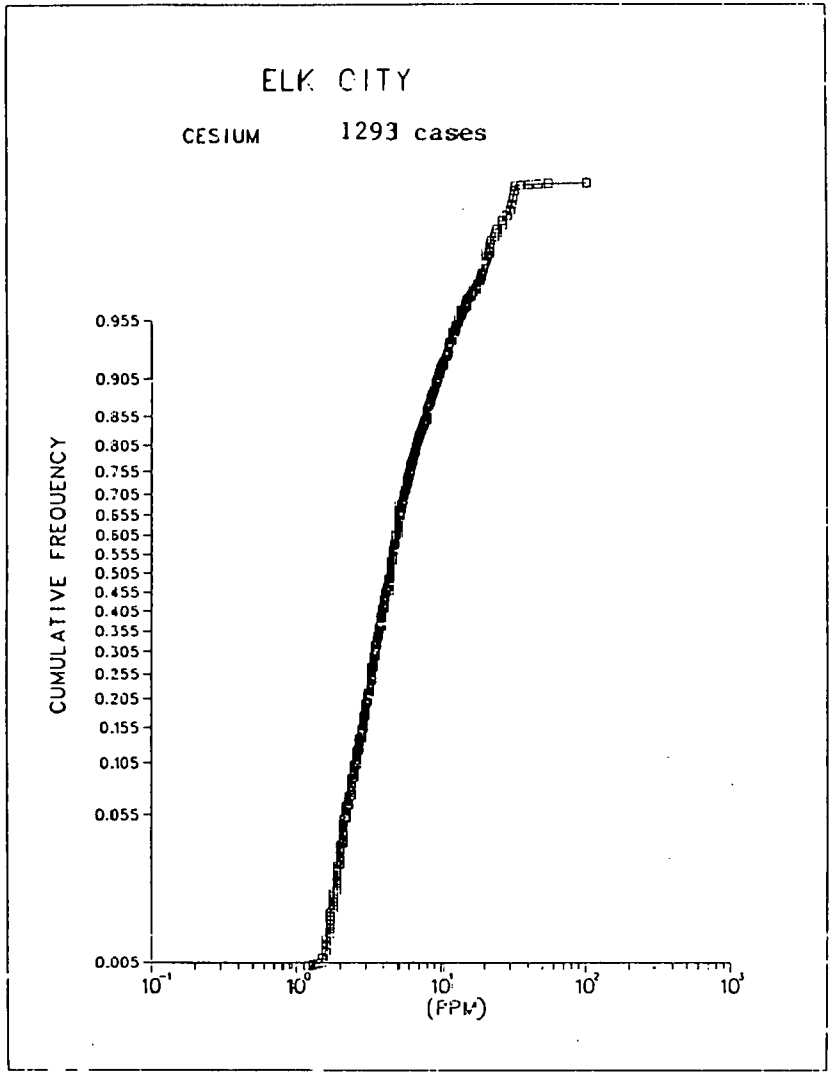

ELK CITY
ARSENIC 1326 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
(PPM)

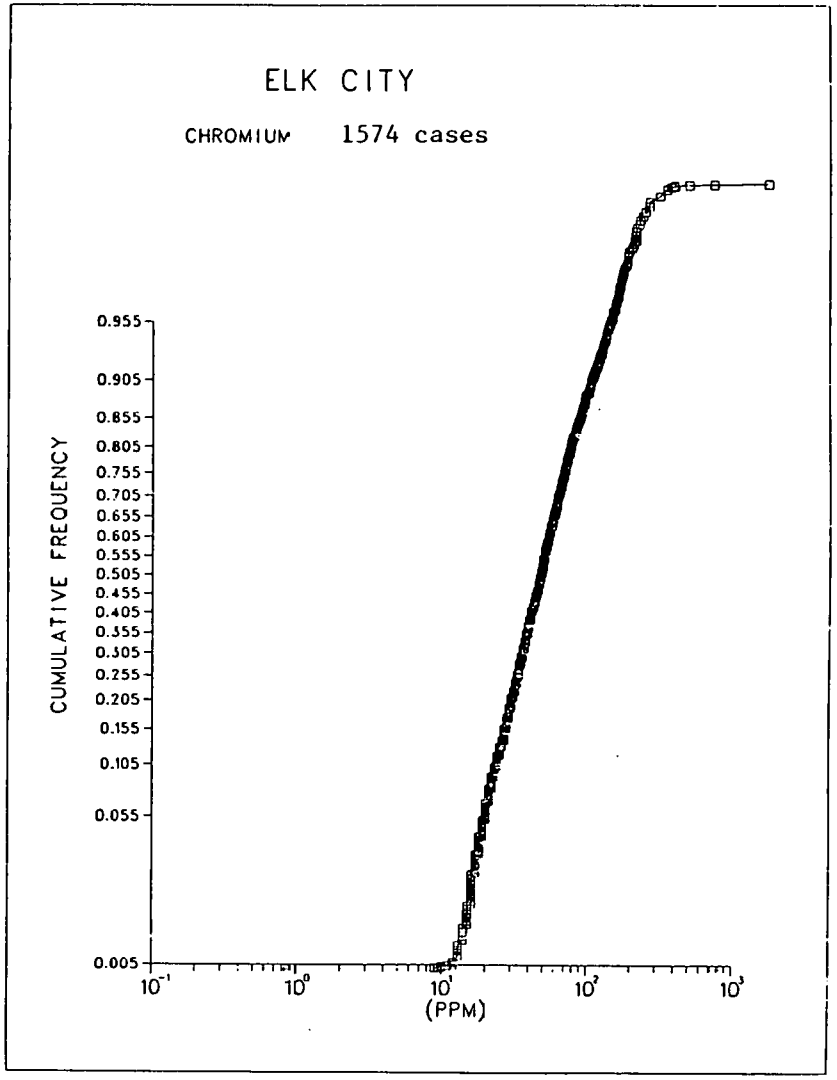

ELK CITY
BARIUM 1637 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)

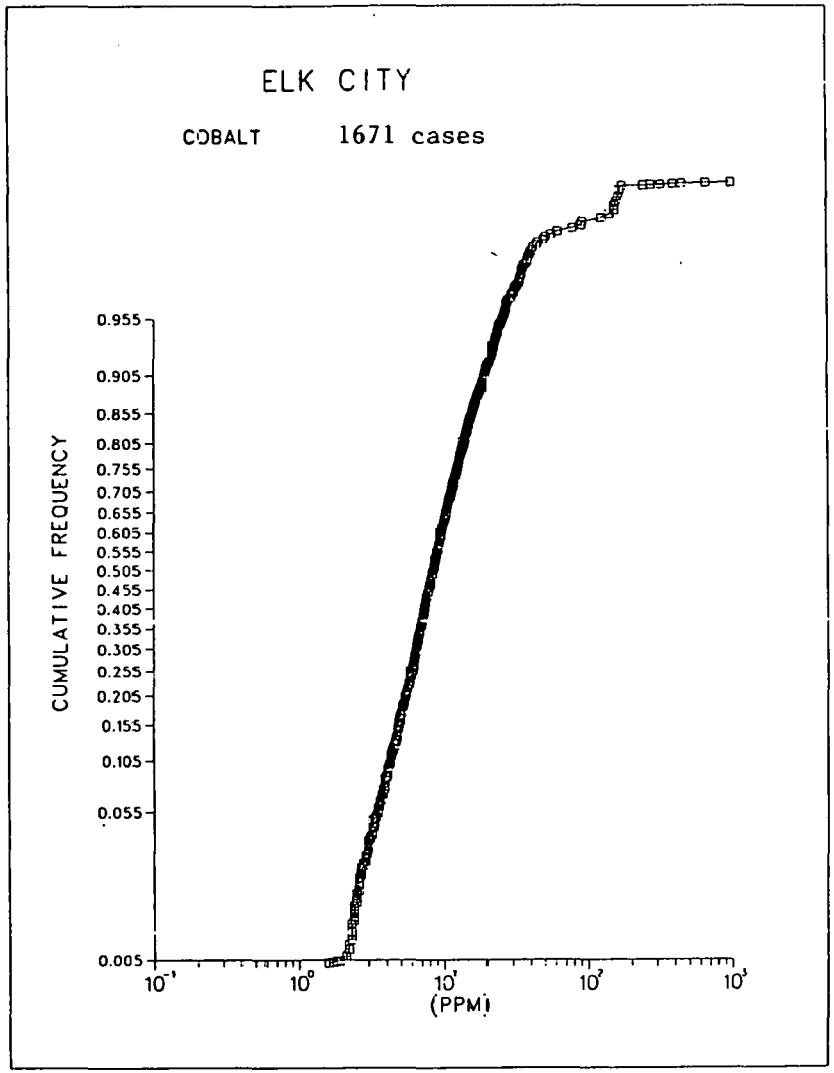

ELK CITY
BERYLLIUM 1574 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)

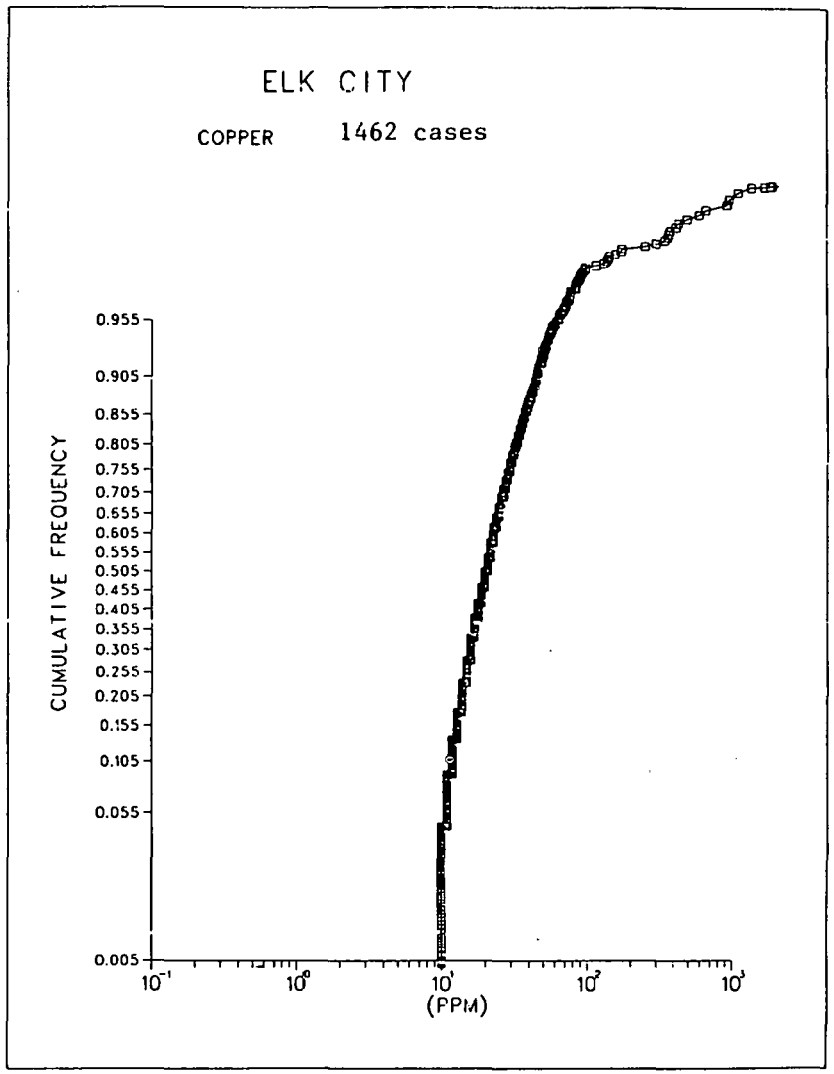

ELK CITY
CALCIUM 1709 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
(PPM)

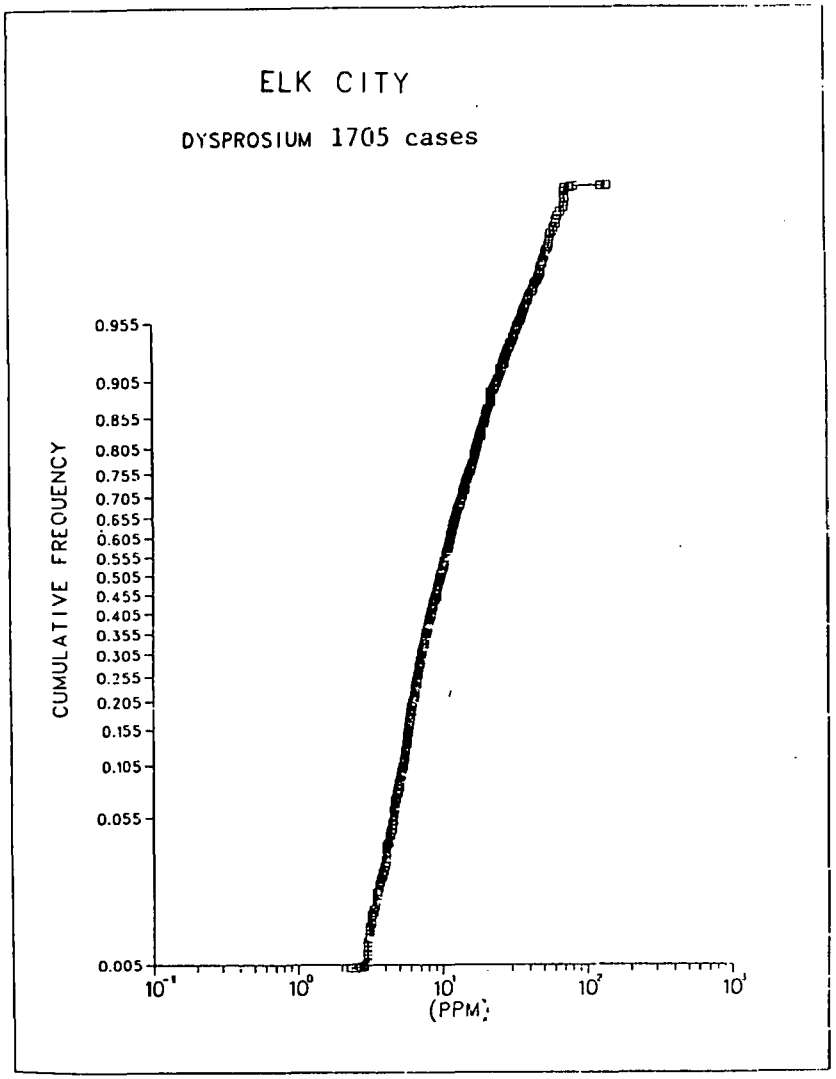

ELK CITY
CERIUM 1720 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
(PPM)

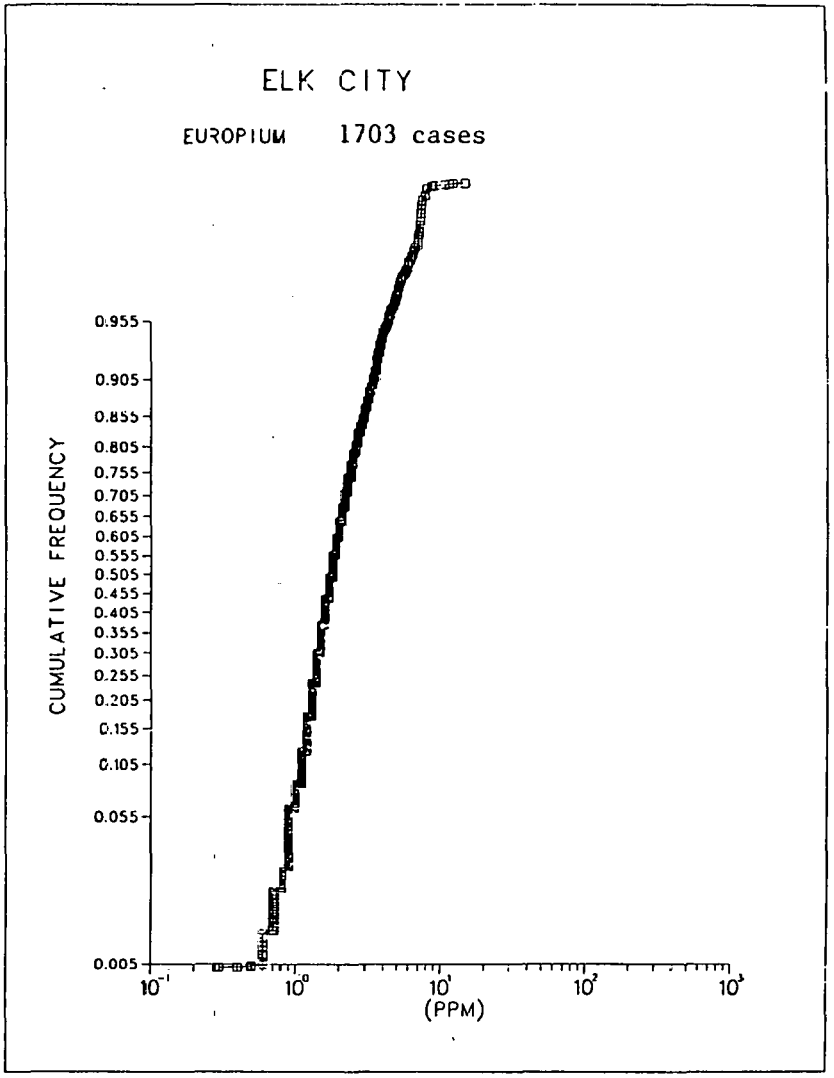

ELK CITY
CESIUM 1293 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)

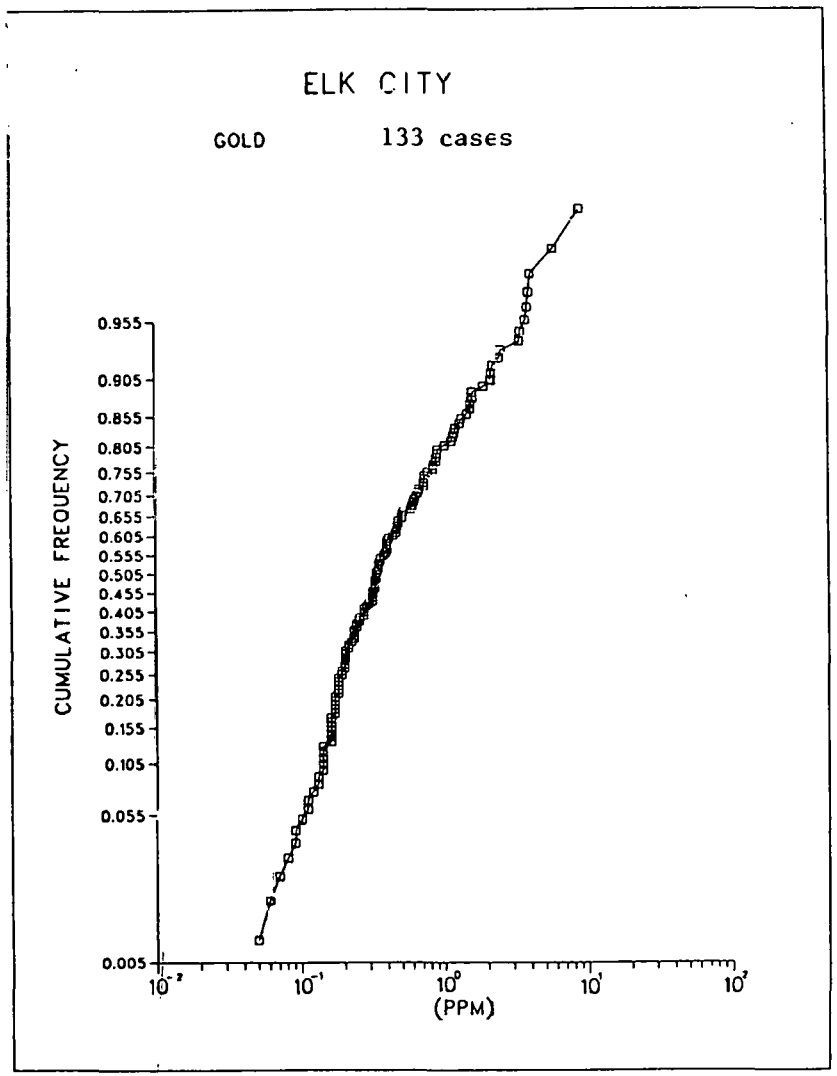

ELK CITY
CHROMIUM 1574 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)

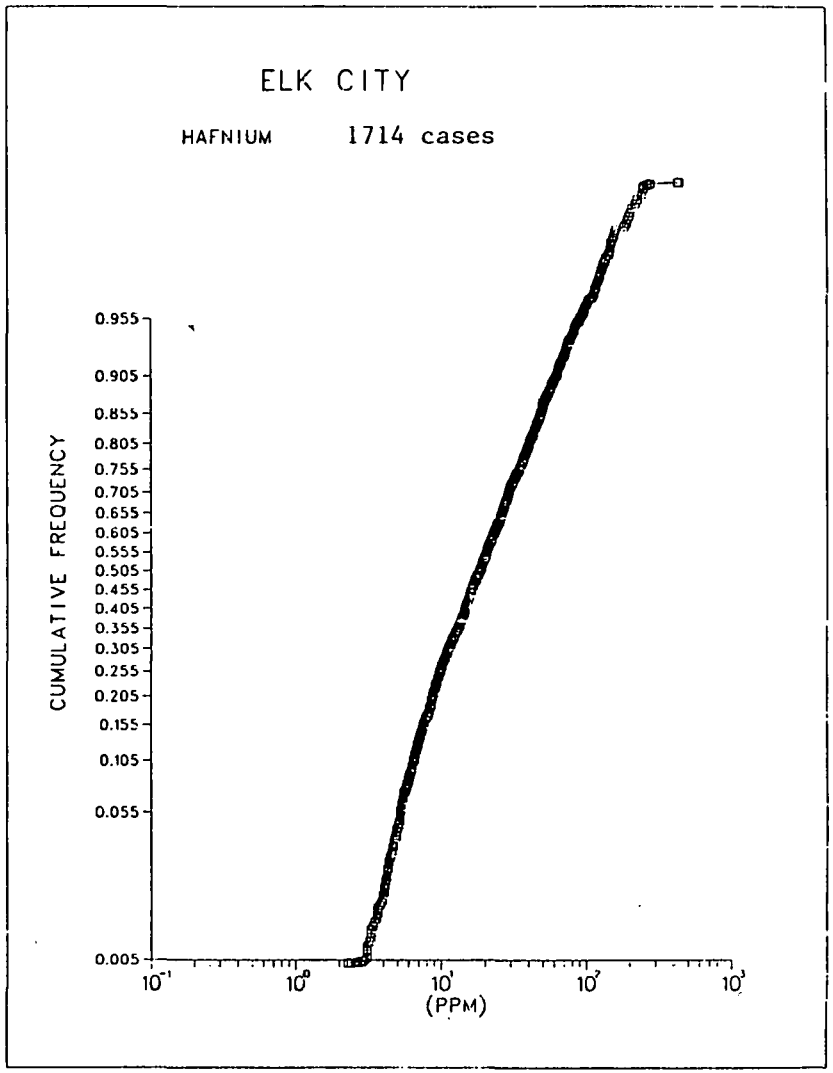

ELK CITY
COBALT 1671 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)

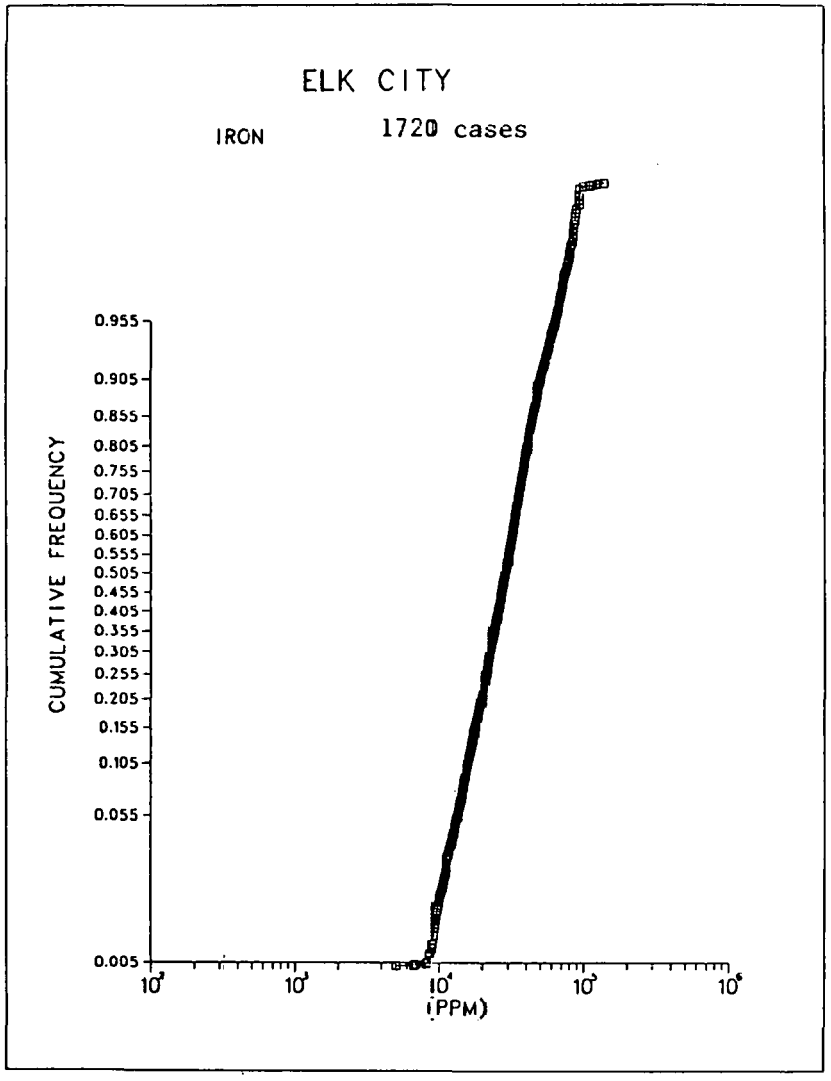

ELK CITY
COPPER 1462 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)

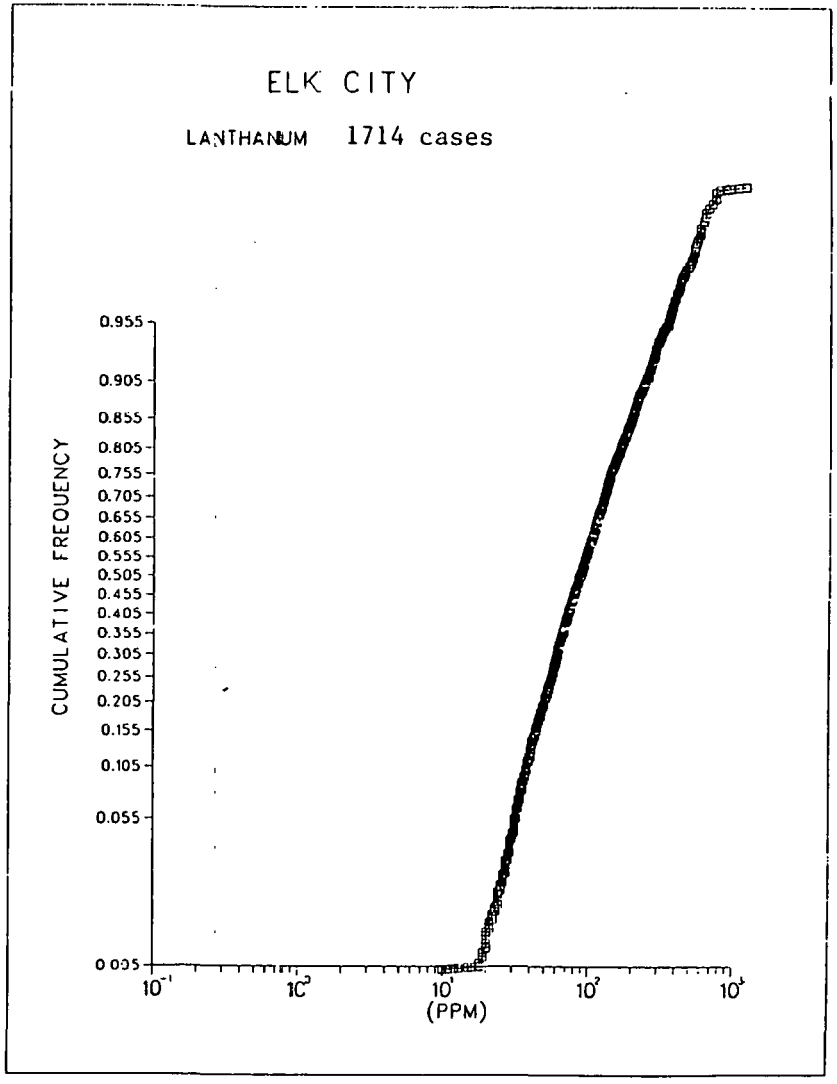

ELK CITY
DYSPROSIUM 1705 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)

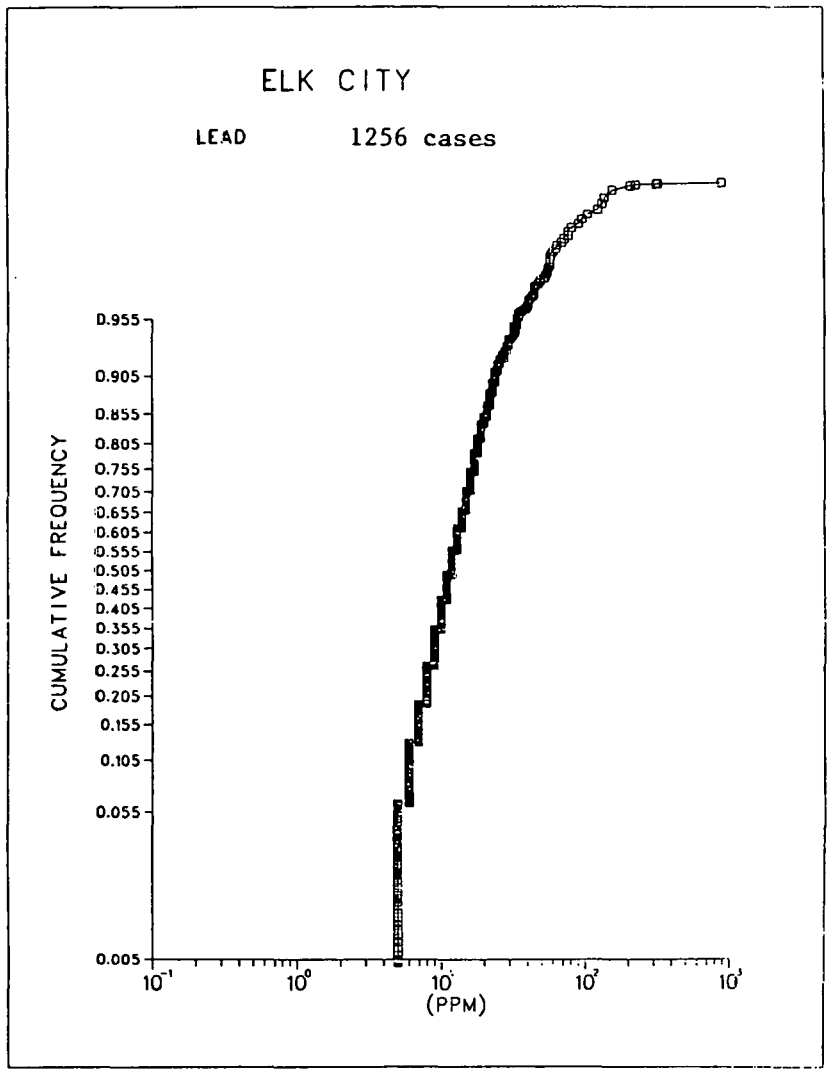

ELK CITY
EUROPIUM 1703 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)


ELK CITY
GOLD
133 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-2}
10^{-1}
10^{0}
10^{1}
10^{2}
(PPM)


ELK CITY
HAFNIUM
1714 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)


ELK CITY
IRON
1720 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
(PPM)


ELK CITY
LANTHANUM
1714 cases
CUMULATIVE FREQUENCY
0.955
0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
0.155
0.105
0.055
0.005
(PPM)


ELK CITY
LEAD 1256 cases
CUMULATIVE FREQUENCY
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0.855
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0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
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0.055
0.005
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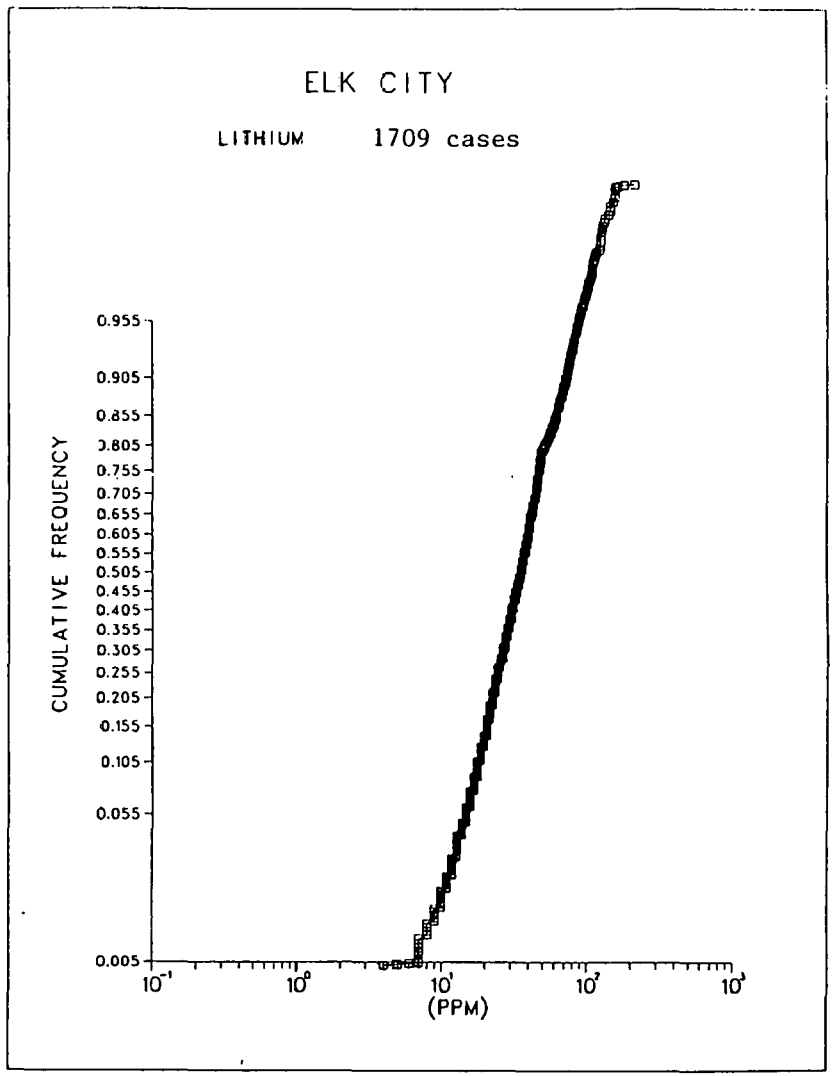
10^{1}
10^{2}
10^{3}
(PPM)


ELK CITY
LITHIUM 1709 cases
CUMULATIVE FREQUENCY
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0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
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0.105
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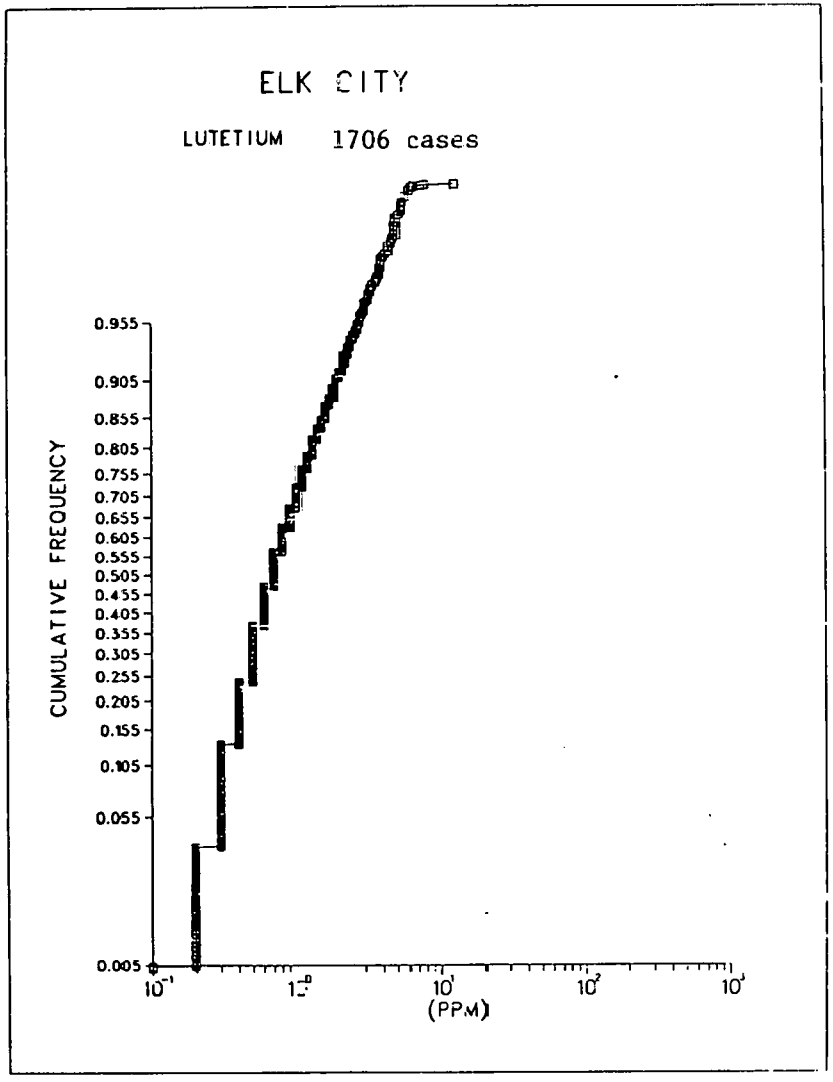
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)


ELK CITY
LUTETIUM 1706 cases
CUMULATIVE FREQUENCY
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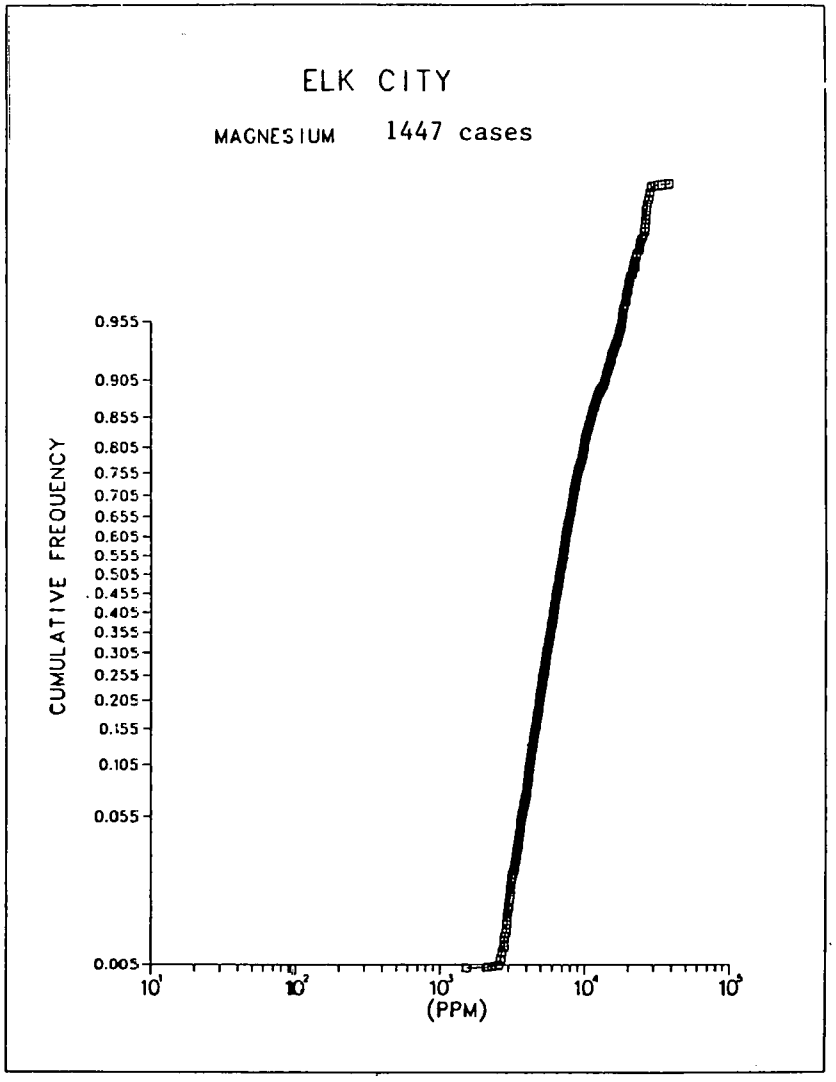
ELK CITY
MAGNESIUM 1447 cases
CUMULATIVE FREQUENCY
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0.655
0.605
0.555
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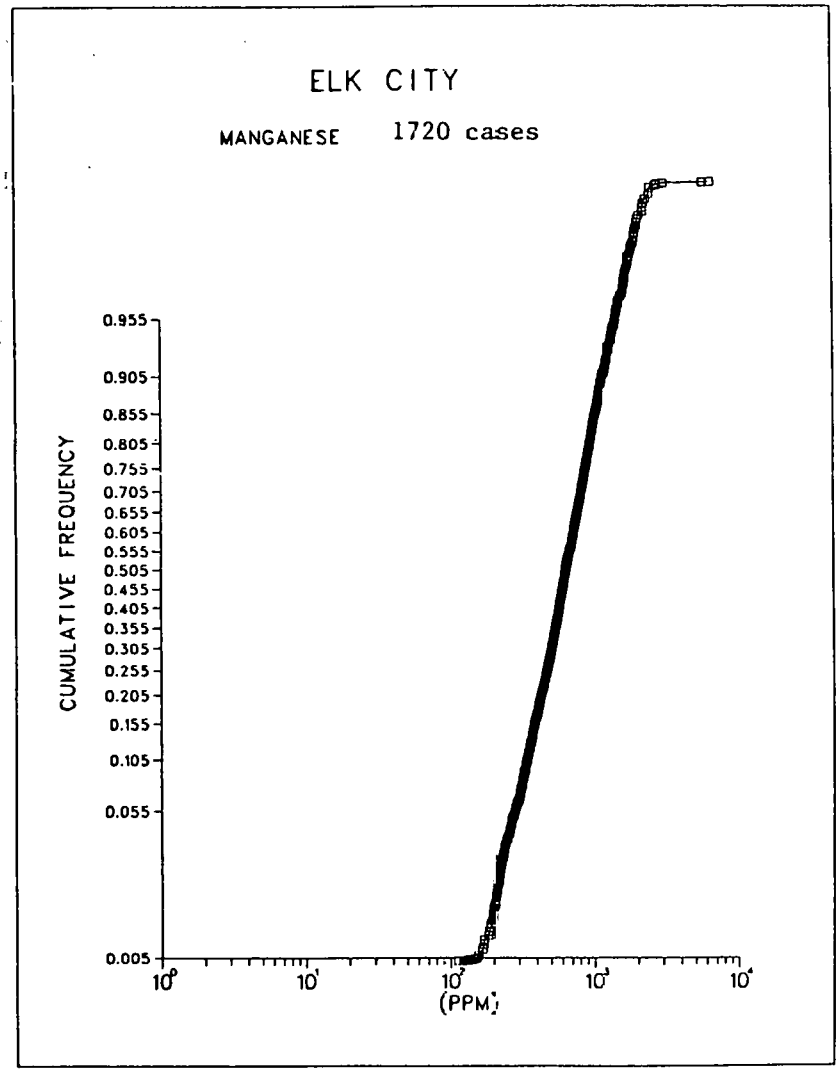
(PPM)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MANGANESE 1720 cases
CUMULATIVE FREQUENCY
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0.605
0.555
0.505
0.455
0.405
0.355
0.305
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10^2
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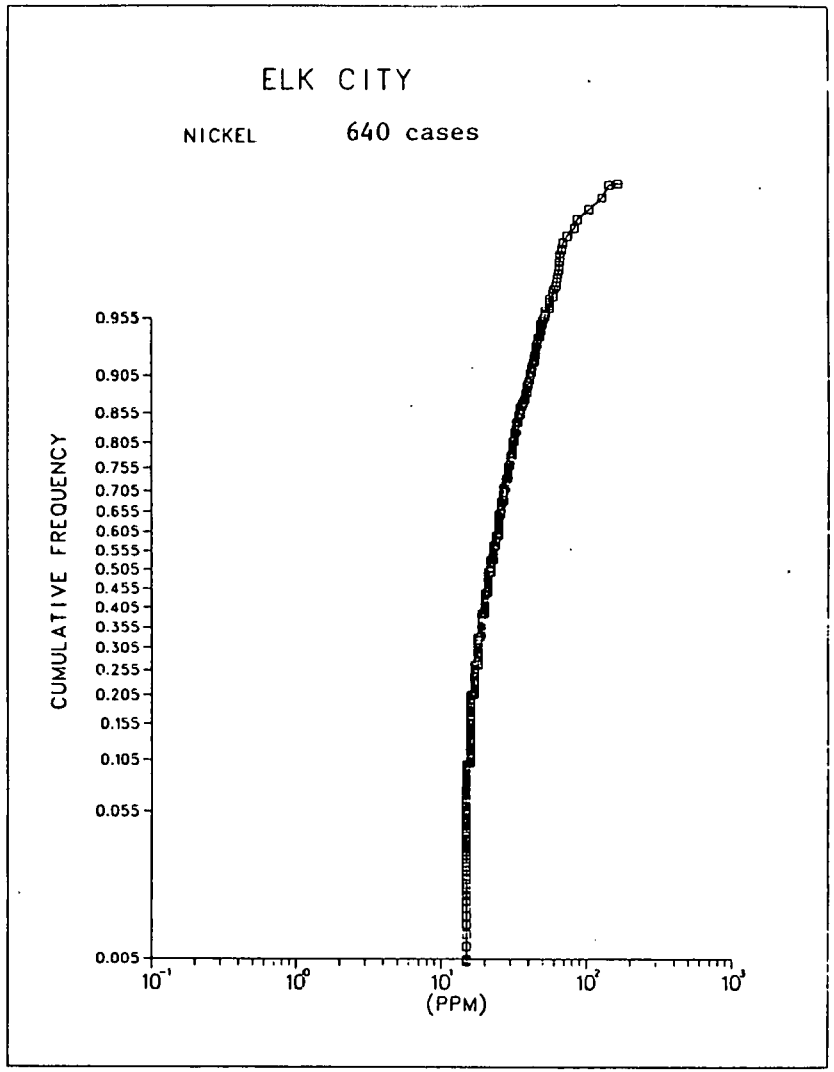
(PPM)


ELK CITY
NICKEL 640 cases
CUMULATIVE FREQUENCY
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0.605
0.555
0.505
0.455
0.405
0.355
0.305
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0.155
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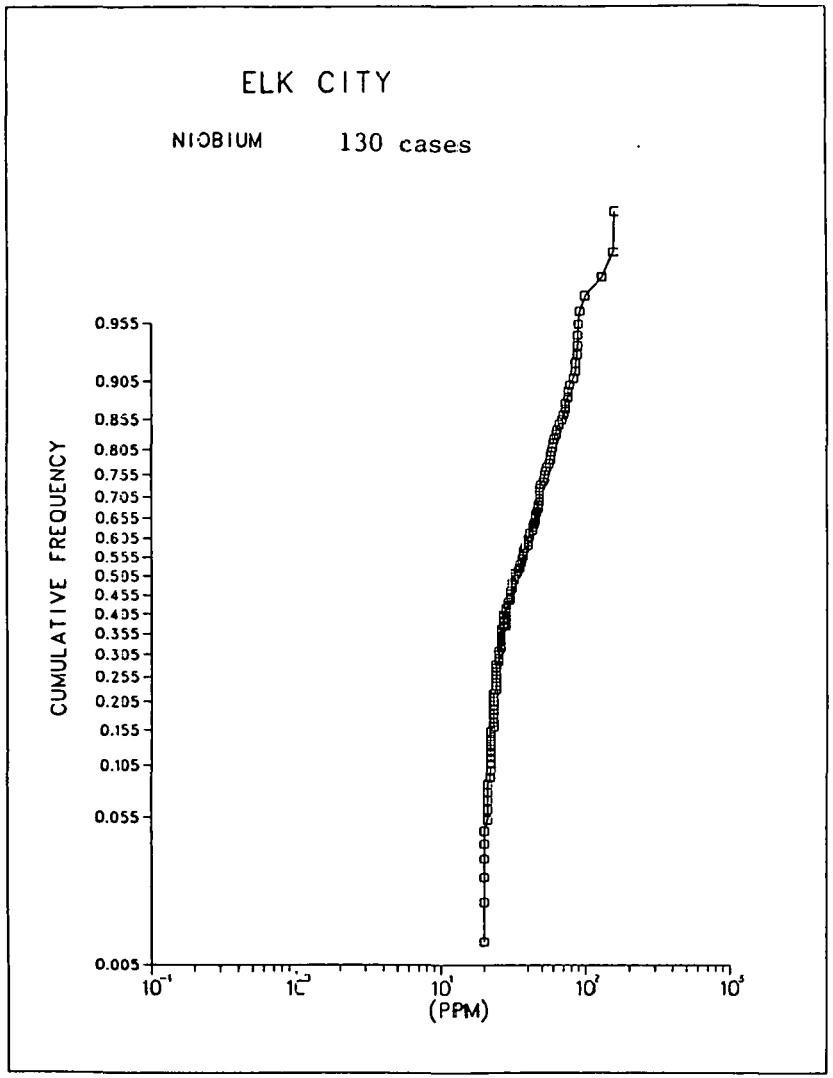
10^1
10^2
10^3
(PPM)


ELK CITY
NIOBIUM 130 cases
CUMULATIVE FREQUENCY
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0.905
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0.705
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0.605
0.555
0.505
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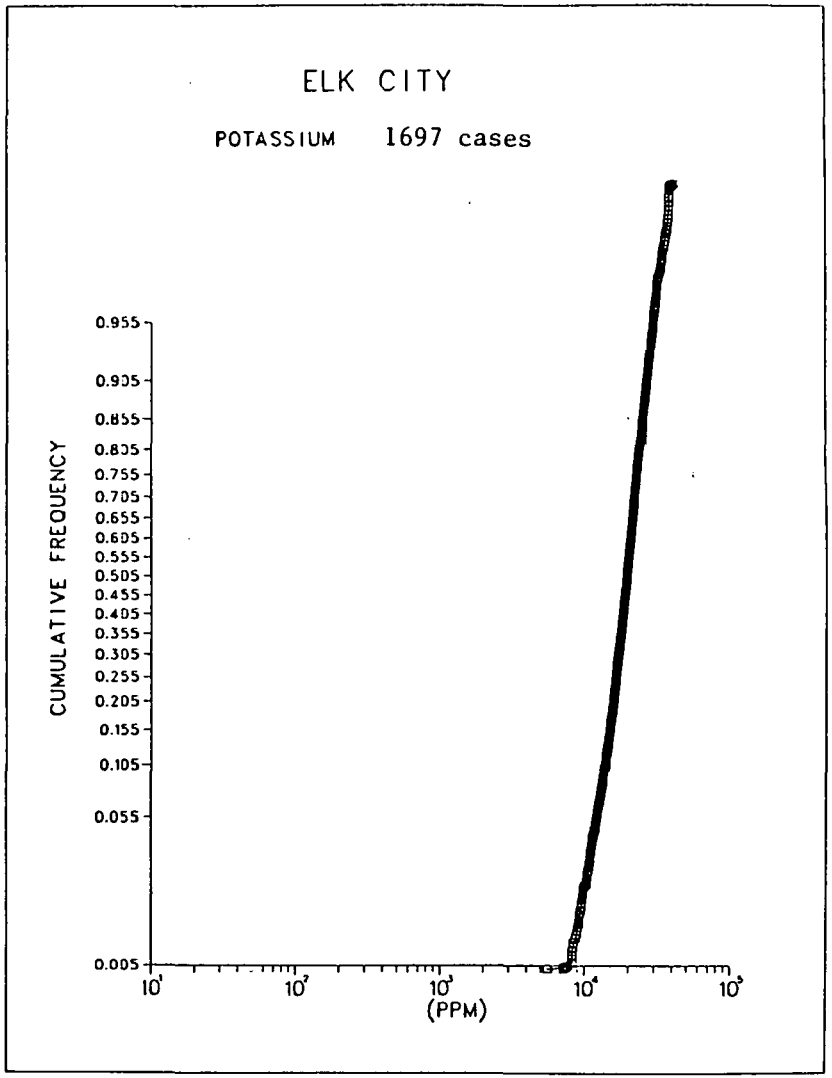
(PPM)


ELK CITY
POTASSIUM 1697 cases
CUMULATIVE FREQUENCY
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0.605
0.555
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0.355
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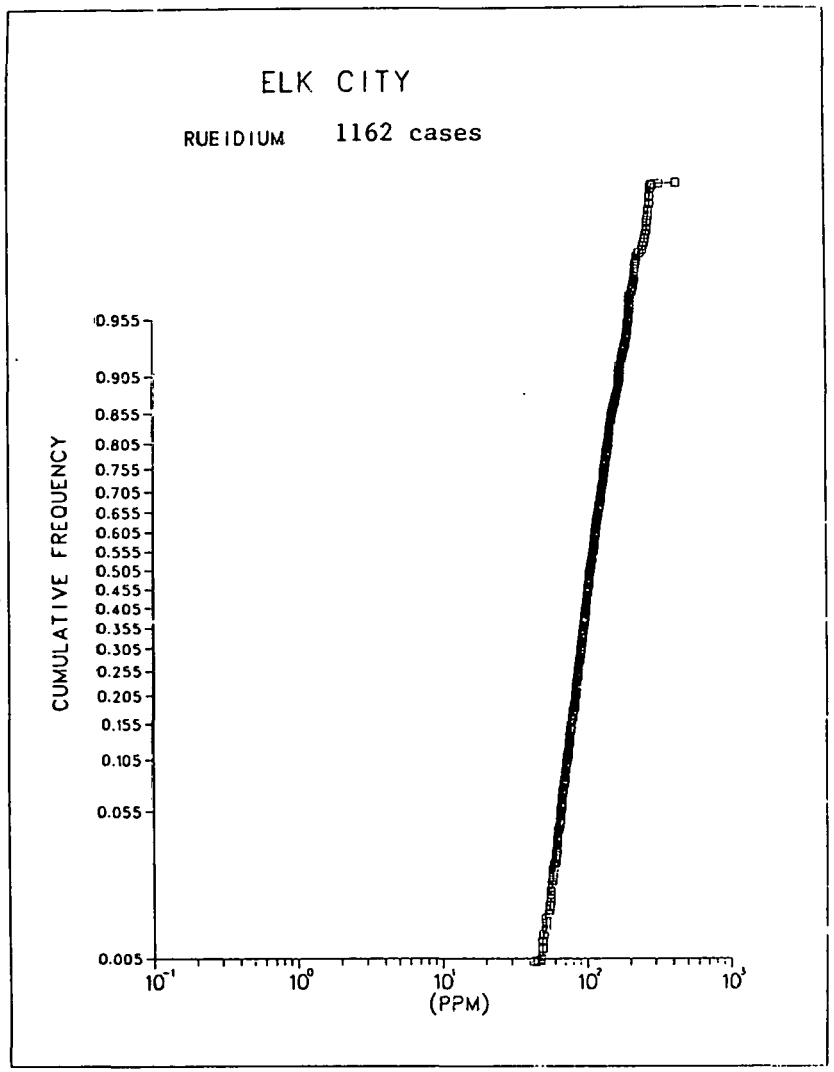
0.005
(PPM)


ELK CITY
RUEIDIUM 1162 cases
CUMULATIVE FREQUENCY
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0.855
0.805
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0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
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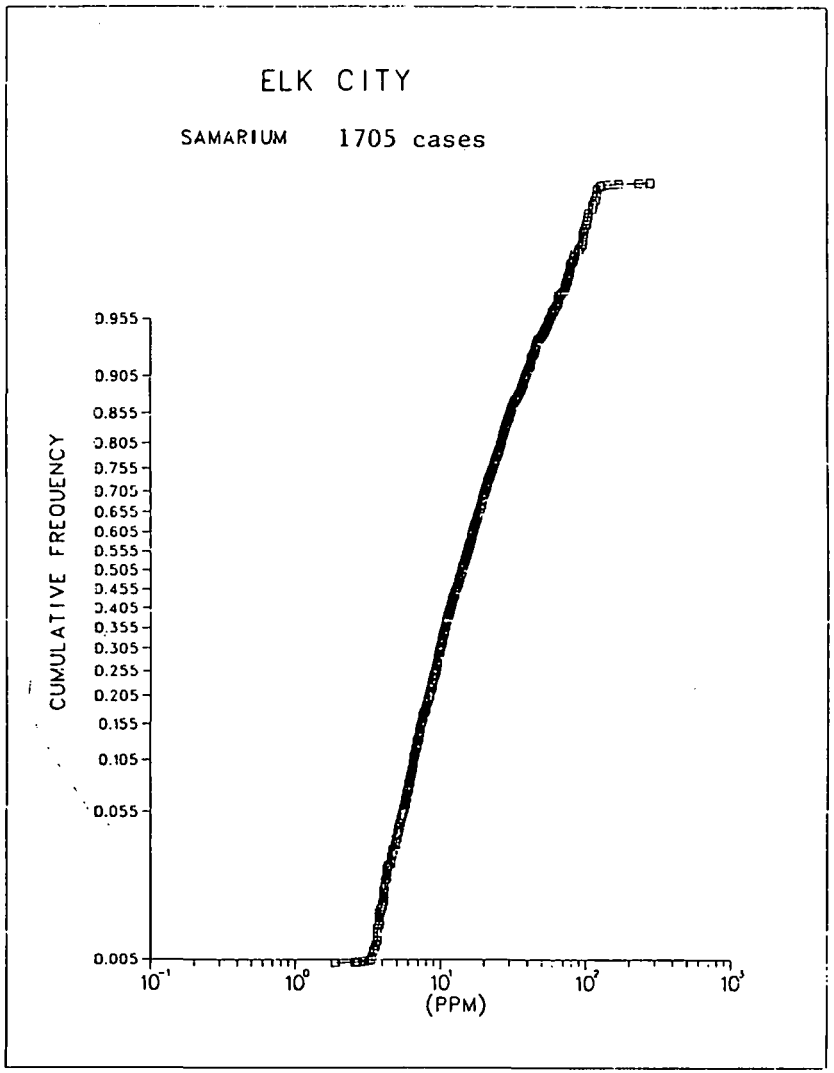
(PPM)


ELK CITY
SAMARIUM 1705 cases
CUMULATIVE FREQUENCY
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0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
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0.005
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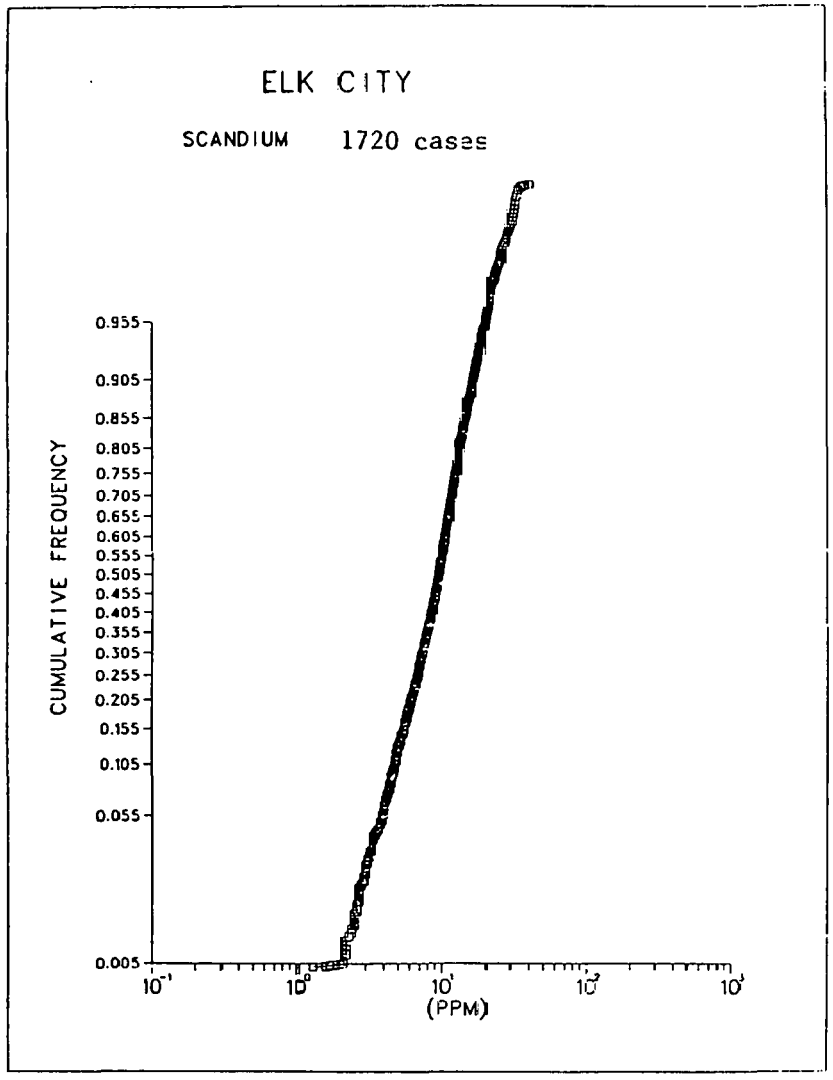
(PPM)


ELK CITY
SCANDIUM 1720 cases
CUMULATIVE FREQUENCY
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0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
0.205
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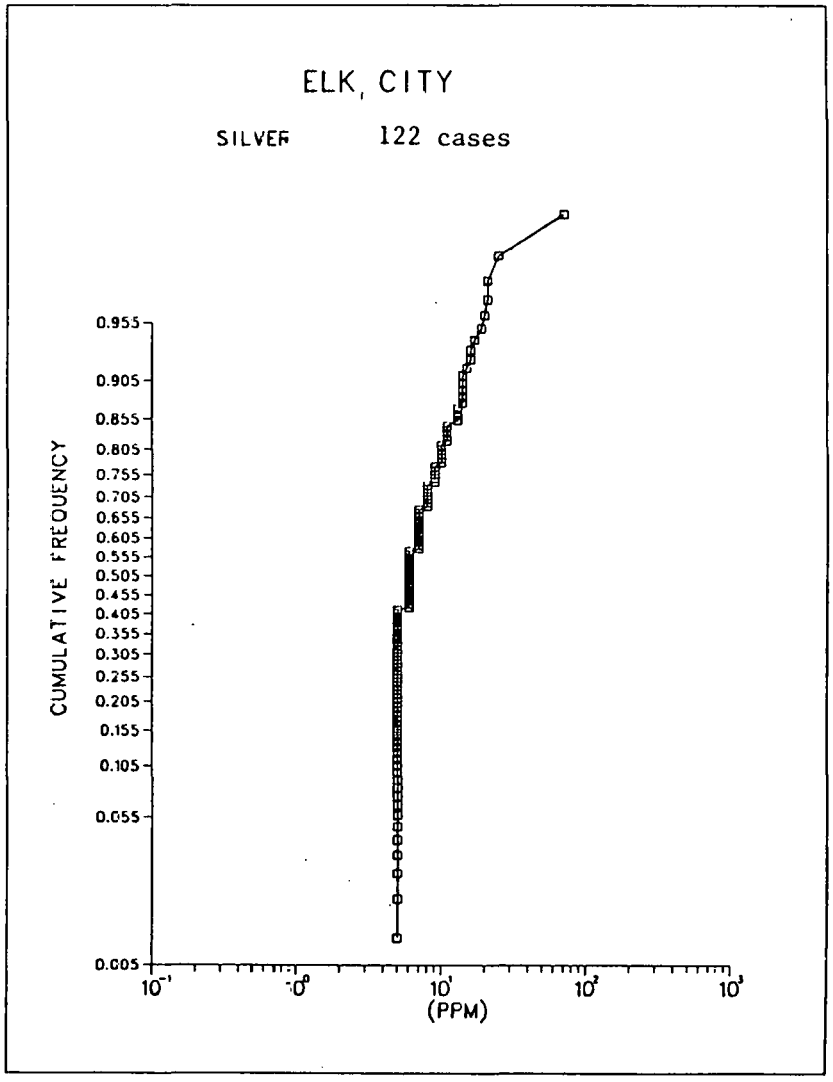
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)


ELK, CITY
SILVER 122 cases
CUMULATIVE FREQUENCY
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0.905
0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
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0.105
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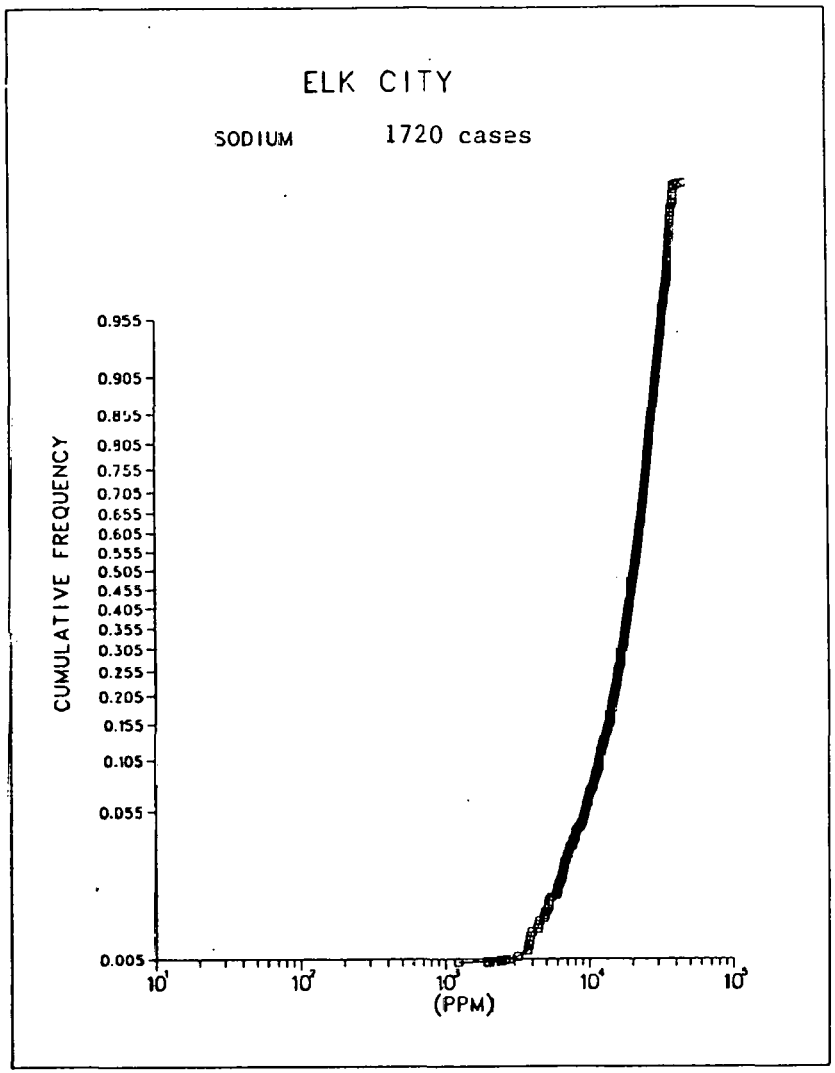
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)


ELK CITY
SODIUM 1720 cases
CUMULATIVE FREQUENCY
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0.855
0.805
0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
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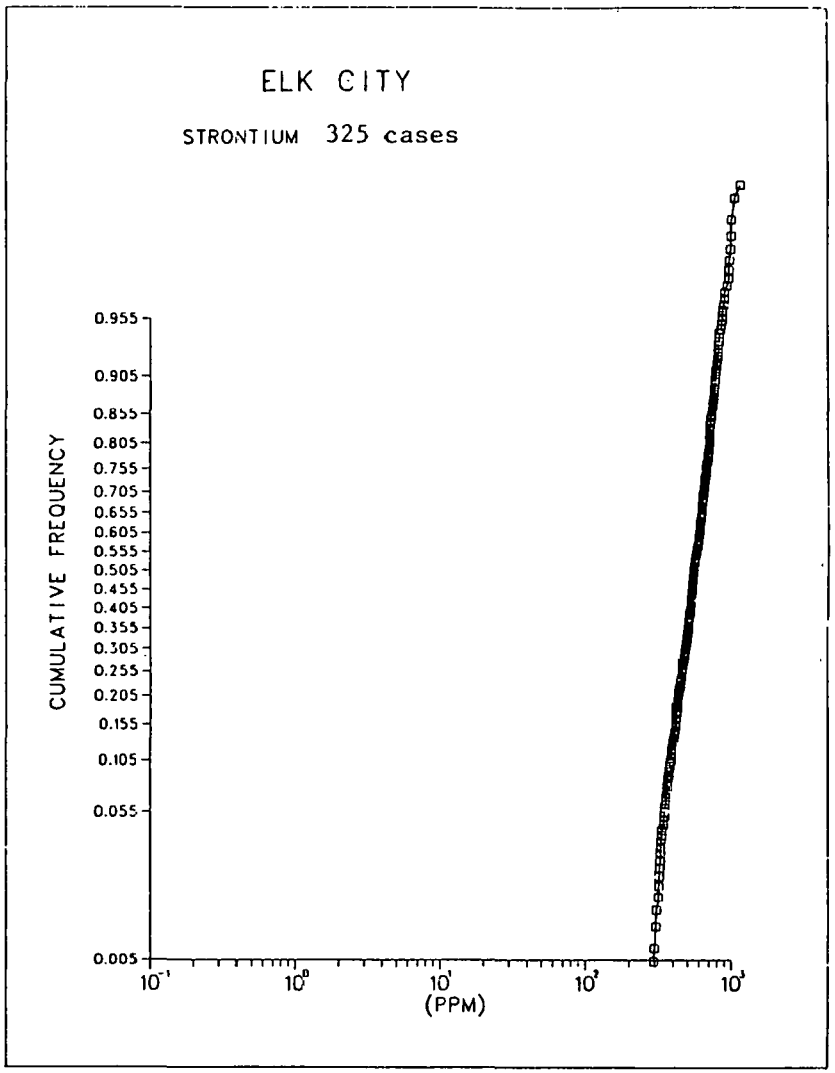
0.055
0.005
10^1
10^2
10^3
10^4
10^5
(PPM)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STRONTIUM 325 cases
CUMULATIVE FREQUENCY
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0.855
0.805
0.755
0.705
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0.605
0.555
0.505
0.455
0.405
0.355
0.305
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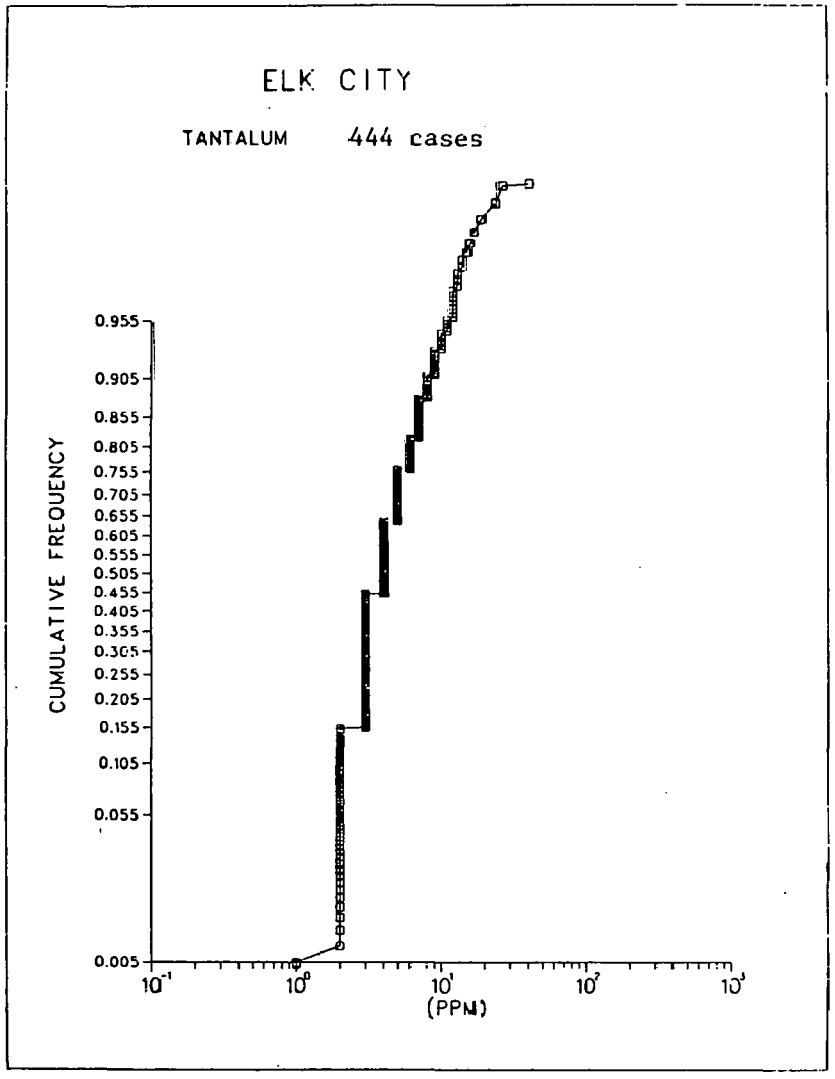
0.105
0.055
0.005
10^{-1}
10^0
10^1
10^2
10^3
(PPM)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TANTALUM 444 cases
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0.705
0.655
0.605
0.555
0.505
0.455
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0.355
0.305
0.255
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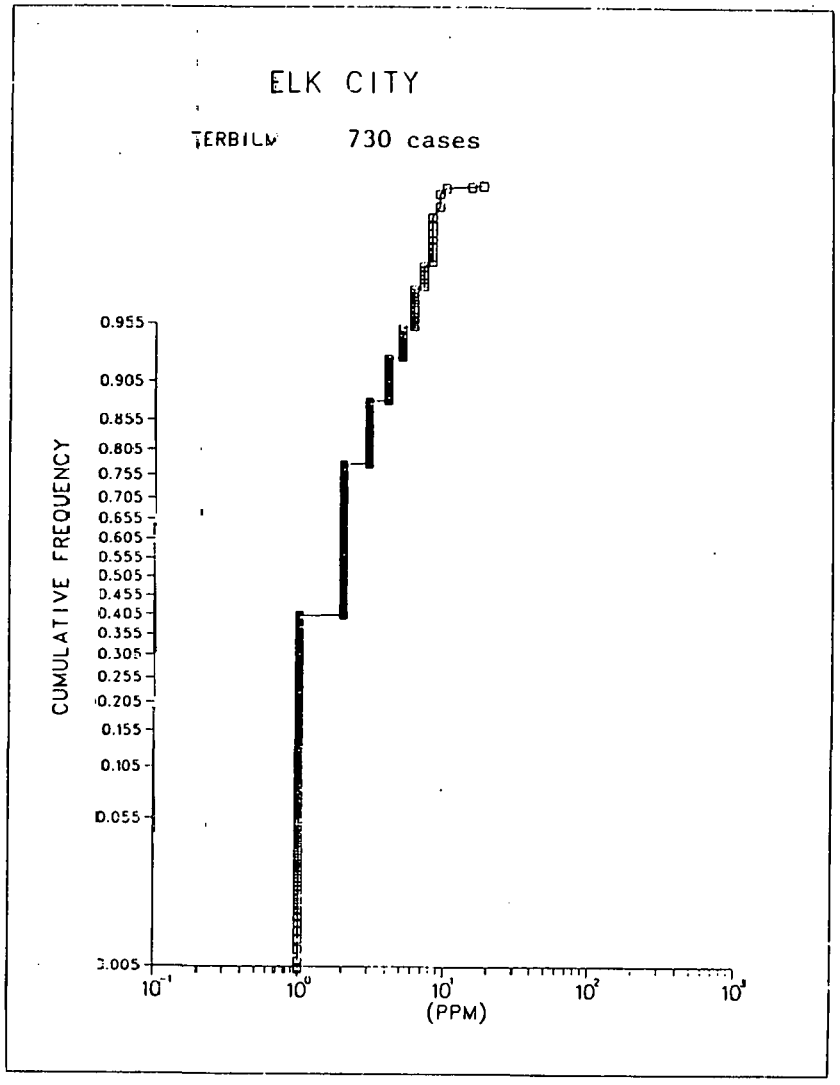
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)


ELK CITY
TERBIUM 730 cases
CUMULATIVE FREQUENCY
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0.705
0.655
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0.555
0.505
0.455
0.405
0.355
0.305
0.255
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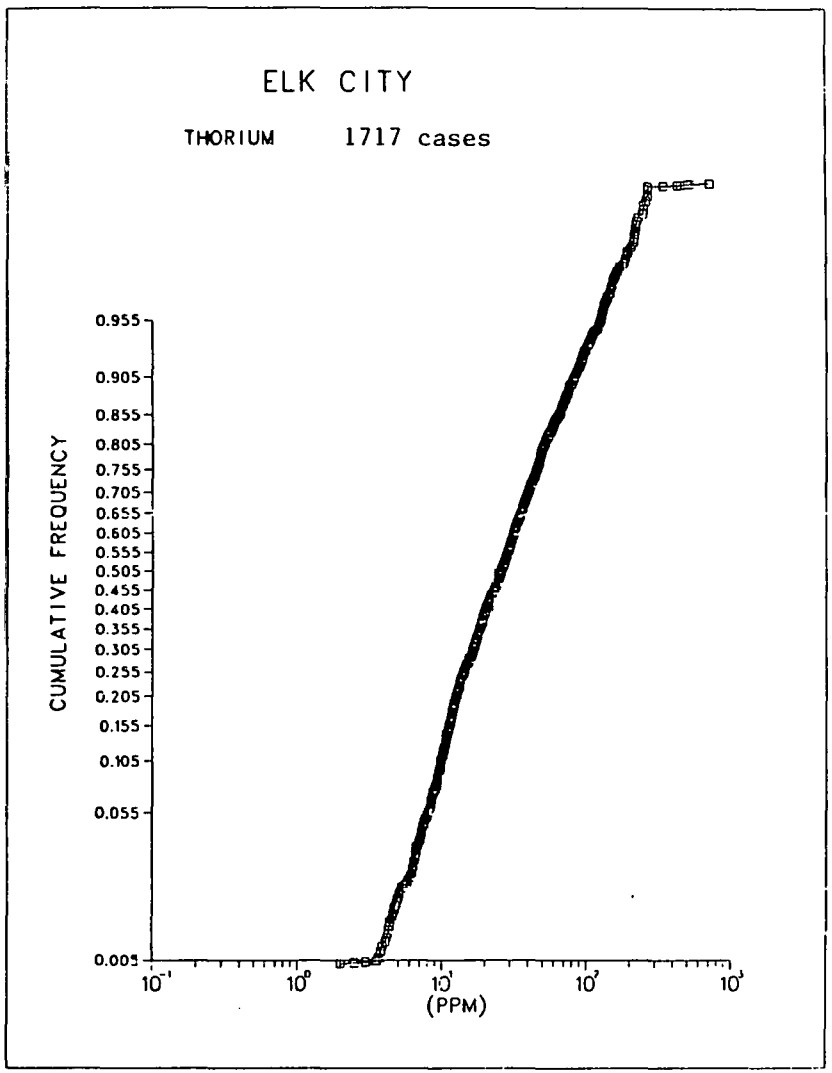
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)


ELK CITY
THORIUM 1717 cases
CUMULATIVE FREQUENCY
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0.605
0.555
0.505
0.455
0.405
0.355
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0.255
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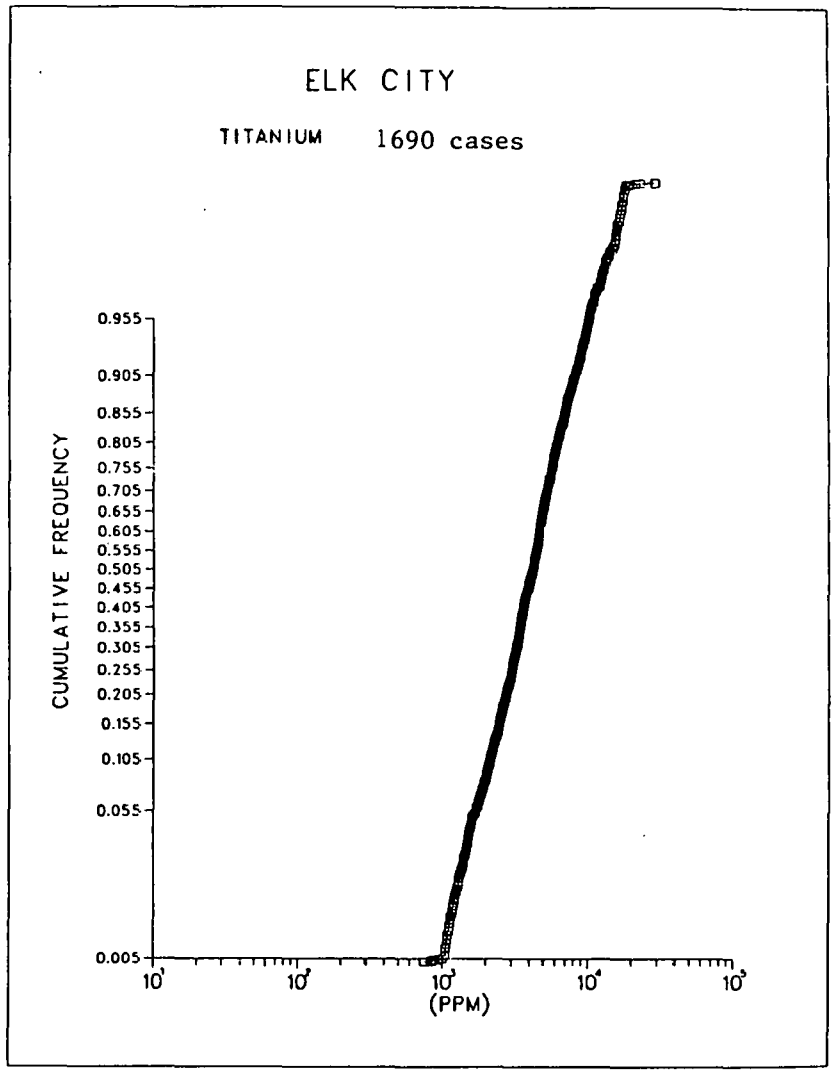
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)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TITANIUM 1690 cases
CUMULATIVE FREQUENCY
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0.605
0.555
0.505
0.455
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0.005
10^{1}
10^{2}
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10^{4}
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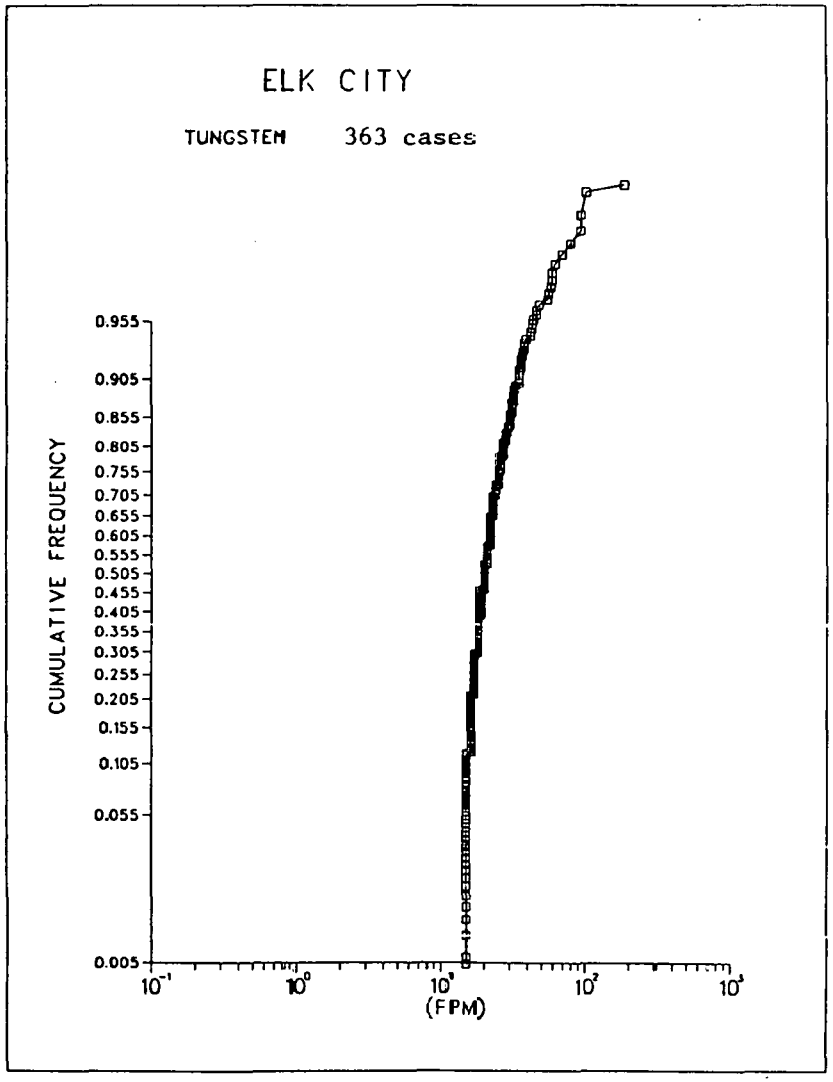
(PPM)


ELK CITY
TUNGSTEN 363 cases
CUMULATIVE FREQUENCY
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0.855
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0.755
0.705
0.655
0.605
0.555
0.505
0.455
0.405
0.355
0.305
0.255
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0.155
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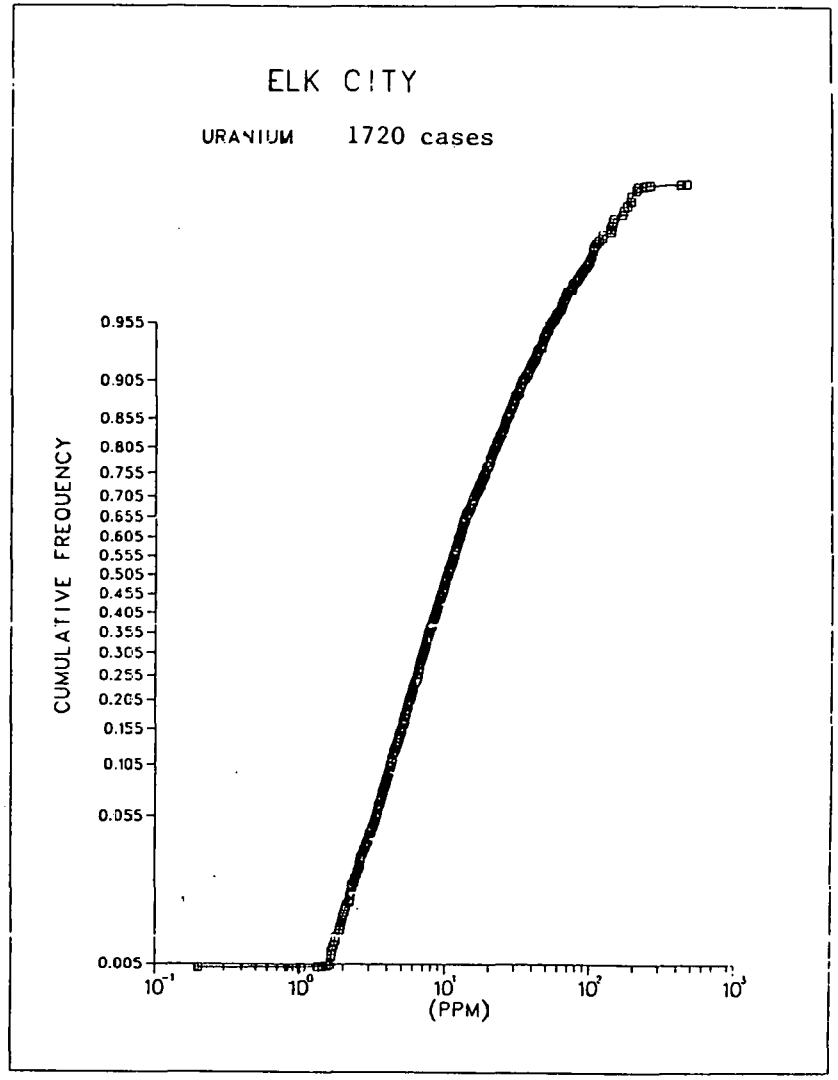
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(FPM)


ELK CITY
URANIUM 1720 cases
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0.555
0.505
0.455
0.405
0.355
0.305
0.255
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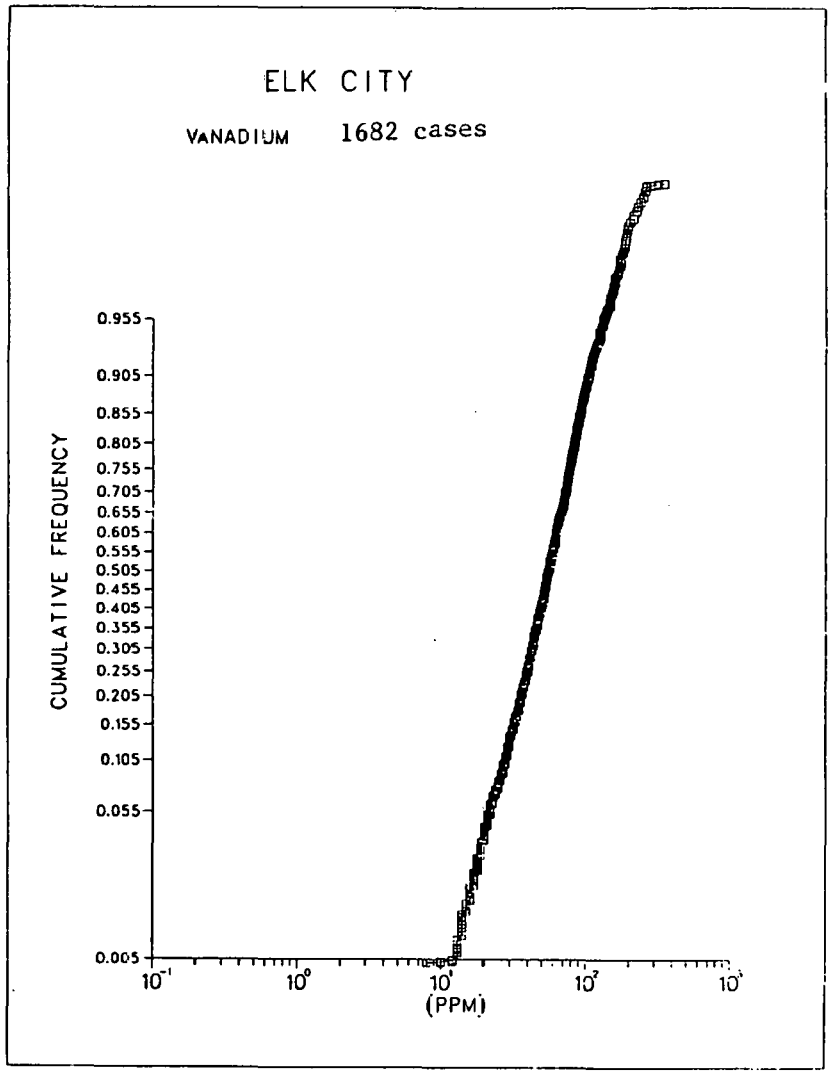
0.155
0.105
0.055
0.005
10^{-1}
10^{0}
10^{1}
10^{2}
10^{3}
(PPM)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VANADIUM 1682 cases
CUMULATIVE FREQUENCY
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0.605
0.555
0.505
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0.405
0.355
0.305
0.255
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10^{-1}
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10^{1}
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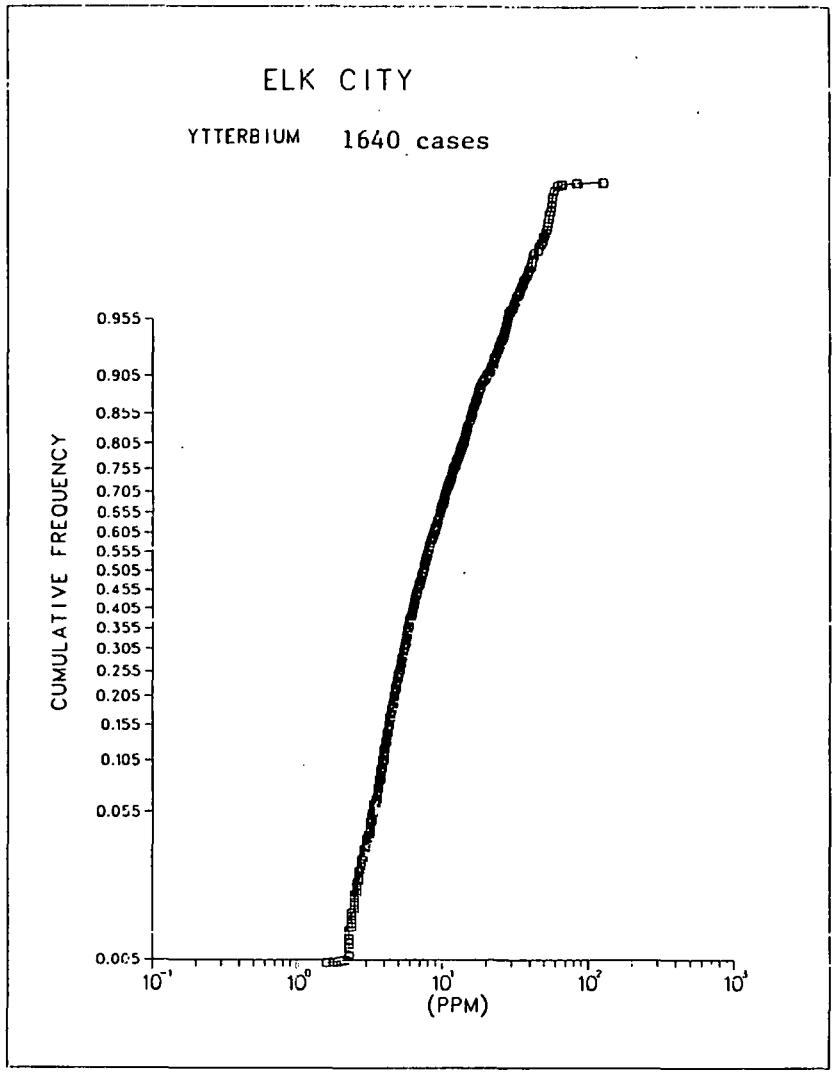
10^{3}
(PPM)


ELK CITY
YTTERBIUM 1640 cases
CUMULATIVE FREQUENCY
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0.605
0.555
0.505
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0.255
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10^{-1}
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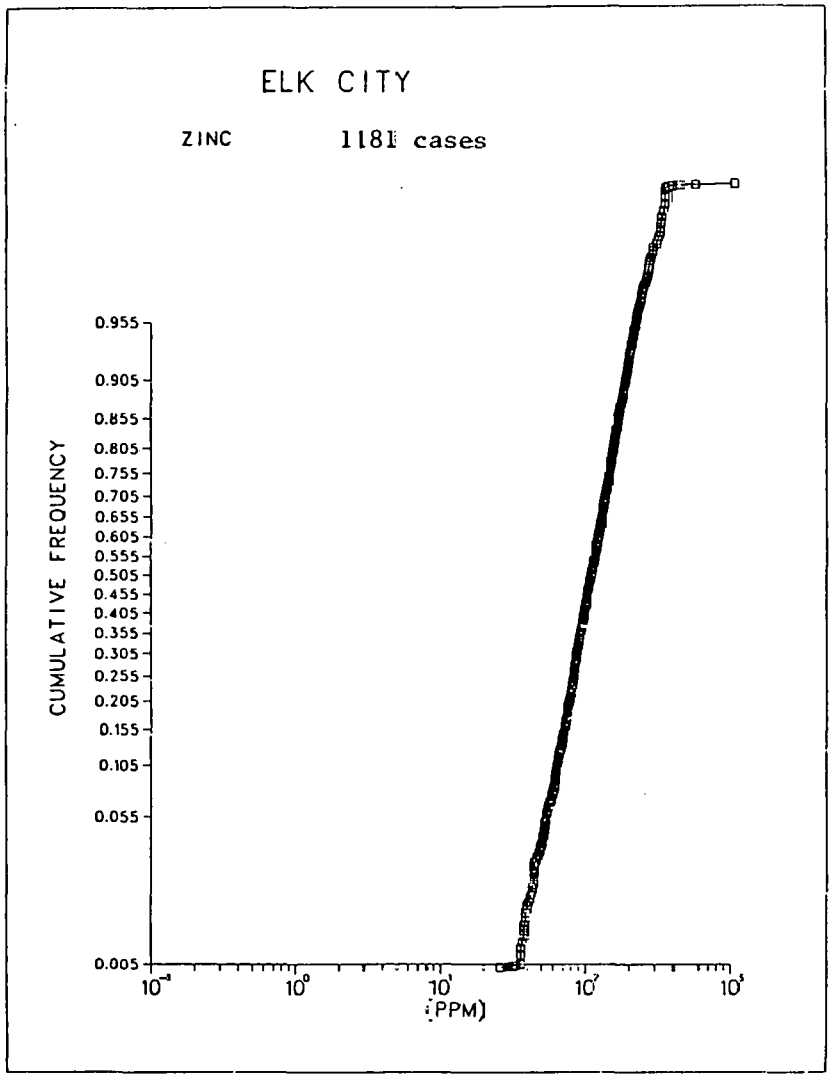
10^{1}
10^{2}
10^{3}
(PPM)


ELK CITY
ZINC
1181 cases
CUMULATIVE FREQUENCY
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0.555
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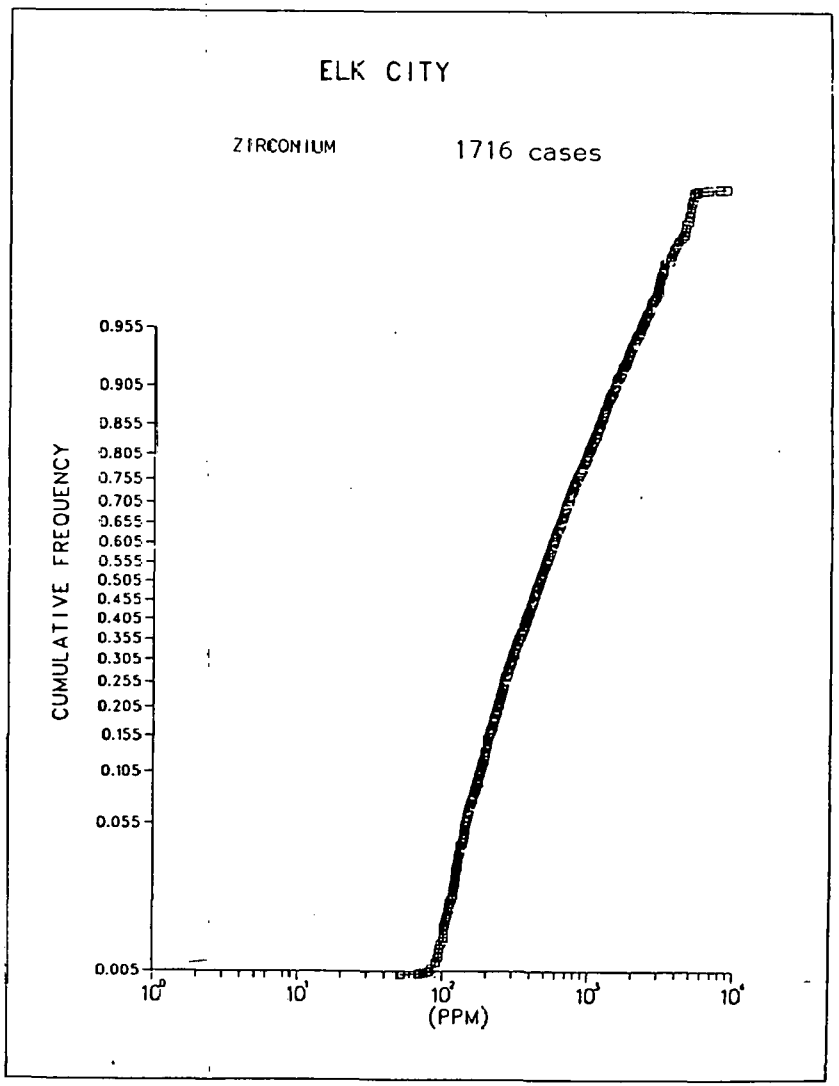
ELK CITY
ZIRCONIUM
1716 cases
CUMULATIVE FREQUENCY
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0.505
0.455
0.405
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0.255
0.205
0.155
0.105
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0.005
(PPM)

REFERENCES CITED

AAA Engineering and Drafting, Inc., 1979, Geology of the Elk City quadrangle, Idaho/Montana (1:250 000-scale), prepared in accordance with Bendix Field Engineering Corporation Specification 1125B for the US DOE, Grand Junction, CO.

Aamodt, P. L., 1978, Uranium hydrogeochemical and stream sediment reconnaissance data release for the Montana portion of the Hamilton, Montana/Idaho, NTMS Quadrangle, GJBX-57(78), US DOE, Grand Junction, CO, 45 p.

Balestrini, S. J., Balagna, J. P., and Menlove, H. O., 1976, Two specialized delayed-neutron detector designs for assays of fissionable elements in water and sediment samples, in Nuclear Instrum. and Methods, v. 136, pp. 521-524.

Broxton, D. E., 1979, Uranium hydrogeochemical and stream sediment reconnaissance of the Dillon NTMS quadrangle, Montana/Idaho, including concentrations of forty-three additional elements, GJBX-38(79), US DOE, Grand Junction, CO, 228 p.

Broxton, D. E., 1980, Uranium hydrogeochemical and stream sediment reconnaissance data release for the Butte NTMS quadrangle, Montana, including concentrations of forty-two additional elements, 207 p., in press.

Cater, F. W., Pinckney, D. M., Hamilton, W. B., Parker, R. L., Weidin, R. D., Close, T. J., Zilka, N. T., Leonard, B. F., and Davis, W. E., 1973, Mineral resources of the Idaho primitive area and vicinity, Idaho, US Geol. Survey Bull. 1304, 431 p.

Cheadle, J. III, 1977, Computer program for universal Transverse Mercator map projection, GJBX-54(77), US ERDA, Grand Junction, CO, 11 p.

geoMetrics, 1980, Aerial gamma ray and magnetic survey, Idaho project, Elk City quadrangle of Idaho and Montana, Final Report, vol. II, GJBX-10(80), US DOE, Grand Junction, CO.

Hansel, J. M., and Martell, C. J., 1977, Automated energy-dispersive x-ray determination of trace elements in streams, GJBX-52(77), US ERDA, Grand Junction, CO, 8 p.

Hues, A. D., Henicksman, A. L., Ashley, W. H., and Romero, D., 1977, The fluorometric determination of uranium in natural waters, GJBX-24(77), US ERDA, Grand Junction, CO, 11 p.

Nunes, H. P., and Weaver, T. A., 1978, Hydrogeochemical and stream sediment reconnaissance of the National Uranium Resource Evaluation program in the Rocky Mountain states of New Mexico, Colorado, Wyoming, and Montana and the state of Alaska, July-September 1977, GJBX-27(78), US DOE, Grand Junction, CO, 14 p.

Thayer, P. A., and Cook, S. R., 1980, Challis 1° x 2° NTMS area, Idaho, Data Report, National Uranium Resource Evaluation Program, Hydrogeochemical and Stream Sediment Reconnaissance, Savannah River Laboratory report DPST-80-146-5, 45 p.

US Geological Survey, 1956 (limited revision 1963), Elk City, Idaho/Montana, topographic map NL 11-9 (1:250 000 scale), Denver, CO.

Weis, P. L., Schmitt, L. J., Jr., Tuchek, E. T., and Davis, W. E., 1972, Mineral resources of the Salmon River Breaks primitive area, Idaho, US Geol. Survey Bull. 1353-c, 91 p.

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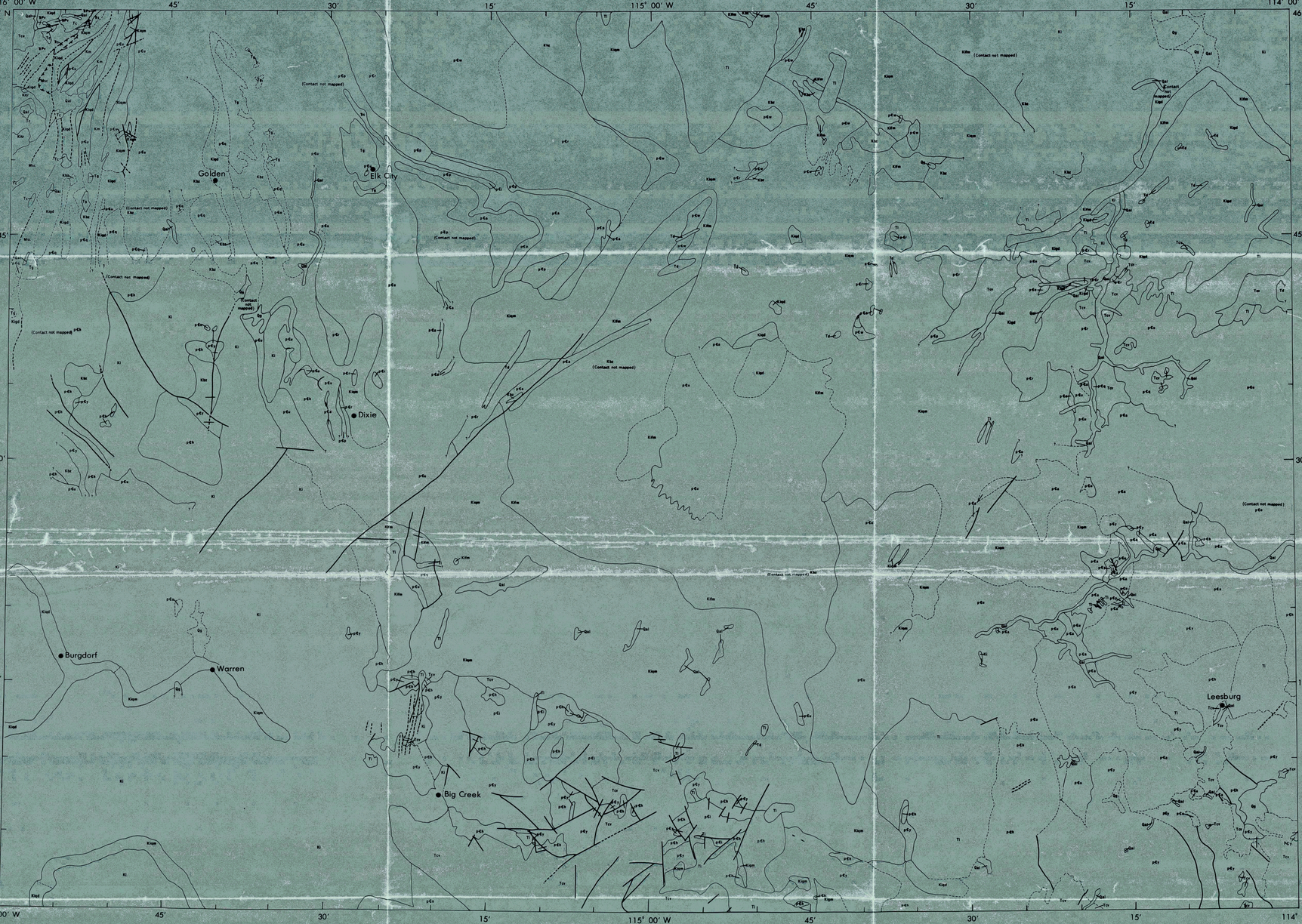
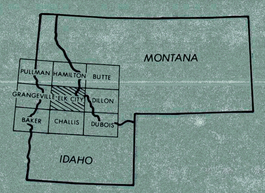
LA-8012-MS

PLATE I





SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

N

GEOLOGIC MAP OF THE ELK CITY NTMS QUADRANGLE, IDAHO/MONTANA

Compiled by AAA Engineering and Drafting, Inc., 1979

University of California
LOS ALAMOS SCIENTIFIC LABORATORY
Post Office Box 1663, Los Alamos, New Mexico 87545

An affirmative action/equal opportunity employer

EXPLANATION

SEDIMENTARY

CENOZOIC	Qal — ALLUVIUM. Gravel, sand, silt, and clay	RECENT	QUATERNARY
	Qg — GLACIAL DEPOSITS. Sand, gravel, clay, and silt	PLEISTOCENE	
	Tg — TERTIARY GRAVELS. Gravel and sand		TERTIARY

IGNEOUS

CENOZOIC	Tcr — UNDIVIDED COLUMBIA RIVER BASALT. Dark gray, fine-grained, vesicular basalt.	MIOCENE	TERTIARY
	Tcu — UPPER UNIT OF THE COLUMBIA RIVER BASALT. Dark gray vesicular basalt.		
	Tcv — UNDIVIDED CHALLIS VOLCANICS. Latite, andesite, basalt, and rhyolite.	MIOCENE-OLIGOCENE	
	Ti — TERTIARY PLUTON. Quartz monzonite to granite		
	Td — TERTIARY DIKE. Basalt to rhyolite		
MESOZOIC	Ki — UNDIVIDED IDAHO BATHOLITH. Klqd, Klgd, Klqm, Klbr, Klfm		CRETACEOUS
	Klqd — Quartz diorite		
	Klgd — Granodiorite		
	Klqm — Quartz monzonite		
	Klfm — Foliated quartz monzonite		
	Klbr — Trondhjemite		
PALEOZOIC	TRPv — SEVEN DEVILS VOLCANICS. Greenstone, andesite, tuff, and rhyolite		TRIASSIC PERMIAN
PRECAMBRIAN	p€Ci — PRECAMBRIAN INTRUSIVE COMPLEX. Gabbro and syenite		PRECAMBRIAN

METAMORPHIC

MESOZOIC	Klm — UNDIVIDED BORDER ZONE. Mixed metamorphic and granitic rocks.		CRETACEOUS
	Km — Migmatites.		
	Ts — LUCILE SLATE. Graphitic schist, shale, and limestone.		TRIASSIC
	Msc — SQUAW CREEK SCHIST. Schist (age uncertain).		?
PRECAMBRIAN	p€w — WALLACE FORMATION. Schist, gneiss, and quartzite.		PRECAMBRIAN
	p€r — RAVALLI GROUP MIGMATITE. Schist and quartzite		
	p€p — PRICHARD FORMATION. Schist, quartzite, and lime-silicate rocks		
	p€h — HOODOO QUARTZITE. White quartzite		
	p€y — YELLOWJACKET FORMATION. Argillaceous quartzite		
	p€q — Metaquartzite		
	p€u — UNDIVIDED METAMORPHIC ROCKS. Mostly gneiss and schist.		
	p€a — Augen gneiss.		

STRATIGRAPHIC LEGEND

QUATERNARY	Qal	Alluvium
	Qg	Sand, gravel, clay, and silt
TERTIARY	Tg	Gravel and sand
	Tc, Tcr	Basalt
	Tcv	Latite, andesite, basalt, and rhyolite
	Ti	Quartz monzonite to granite
	Td	Basalt to rhyolite
CRETACEOUS	Ki	Quartz diorite, granodiorite, quartz monzonite
	Klqd	Quartz diorite
	Klbr	Trondhjemite
	Klgd	Granodiorite
	Klqm	Quartz monzonite
	Klfm	Foliated quartz monzonite
	Klm	Mixed metamorphic and granitic rocks
	Km	Migmatites
TRIASSIC-PERMIAN	Ts	Slate, shale, and limestone
	Msc	Schist (age uncertain)
	TRPv	Greenstone, andesite, tuff, and rhyolite
PRECAMBRIAN	p€Ci	Gabbro and syenite
	p€w	Schist, gneiss, and quartzite
	p€r	Schist and quartzite
	p€p	Schist, quartzite, and lime-silicate rocks
	p€h	White quartzite
	p€y	Argillaceous quartzite
	p€q	Quartzite
	p€u	Gneiss and schist
	p€a	Augen gneiss

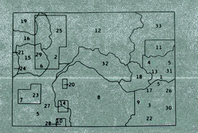
GEOLOGIC SYMBOLS

Contact, dashed where approximate or limit of available mapping

Fault, dashed where approximate

Thrust fault; barbs on upper plate, dashed where approximate

INDEX SHOWING SOURCES OF GEOLOGIC DATA



1. Abbot, A. T., 1954, Monazite deposits in calcareous rocks, northern Lemhi County, Idaho: Idaho Bur. Mines and Geology Pamphlet 99.
2. Beeler, J. R., 1958, The bedrock geology and placer deposits of the Dixie district, Idaho County, Idaho: Unpub. M.S. thesis, Univ. of Idaho.
3. Bennett, E. H. 1977, Reconnaissance geology and geochemistry of the Blackbird Mountain-Panther Creek region, Lemhi County, Idaho: Idaho Bur. Mines and Geology Pamphlet 167.
4. Berg, R. B., 1977, Reconnaissance geology of southernmost Ravalli County, Montana: Montana Bur. Mines of Geology Memoir 44.
5. Bond, J. G., 1978, Geologic map of Idaho: Idaho Bur. Mines and Geology.
6. Capps, S. R. 1939, The Dixie placer district, Idaho: Idaho Bur. Mines and Geology Pamphlet 48.
7. Capps, S. R., 1940 Gold placers of the Secesh Basin, Idaho County, Idaho: Idaho Bur. Mines and Geology Pamphlet 52.
8. Cater, F. W. and others, 1973, Mineral resources of the Idaho Primitive Area and vicinity, Idaho: U.S. Geol. Survey Bulletin 1304.
9. Cater, F. W. and others, 1975, Mineral resources of the Clear Creek-Upper Big Creek study area, contiguous to the Idaho Primitive Area, Lemhi County, Idaho: U.S. Geol. Survey Bulletin 1391-C.
10. Cooper J. R., 1953, Geology of the Longstreet antimony and gold deposits near Silverton, Idaho: U.S. Geol. Survey Bulletin 969-F.
11. Fisk, H. G. 1969, Painted Rocks Lake area, Southern Ravalli County, Montana: Montana Bur. Mines and Geology Special Publication 47.
12. Greenwood, W. R., and Morrison, D. A., 1973, Reconnaissance geology of the Selway-Bitterroot Wilderness Area: Idaho Bur. Mines and Geology Pamphlet 154.
13. Kaiser, E. P., 1936, Preliminary report on the geology and deposits of monazite, thorite, and niobium-bearing rutile of the Mineral Hill district: U.S. Geol. Survey open file report.
14. Kirkpatrick, G. E., 1974, Geological ore deposits of the Big Creek area, Idaho and Valley Counties, Idaho: Unpub. M.S. thesis, Univ. of Idaho.
15. Knowles, C. R. and Bennett, E. H., 1978, Reconnaissance geology and geochemistry of the Gospel Peak-Buffalo Hump Wilderness Area, Idaho County, Idaho: Idaho Bur. Mines and Geology Open File Report 78-3.
16. Kuhns, R. H. and Cox, B., 1974, Nez Perce k geologic survey for USDA- Nez Perce National Forest.
17. Marry, T. S., 1974, Structure and petrology of the lower Panther Creek area, Lemhi County, Idaho: Unpub. Ph.D. thesis, Univ. of Idaho.
18. Miller, D. 1977, Geologic interpretation of the Horse Creek area, northwest Lemhi County, Idaho: Unpub. Idaho Bur. Mines and Geology map.
19. Myers, P. E., 1968, Geology of the Harpster quadrangle and vicinity, Idaho: Unpub. Ph.D. thesis, Univ. of Michigan.
20. Otis, R. R., 1978, Structure and petrology of the Sheepeater Peak area: Unpub. M.S. thesis, Univ. of Montana.
21. Price, E., (in progress): Unpub. Ph.D. thesis, Washington State Univ.
22. Purdue, G. L., 1975, Geology and ore deposits of the Blackbird district, Lemhi County, Idaho: Unpub. M.S. thesis, Univ. of New Mexico.
23. Reed, J. C., 1937, Geology and ore deposits of the Warren mining district, Idaho County, Idaho: Idaho Bur. Mines and Geology Pamphlet 47.
24. Reed, J. C., 1939, Geology and ore deposits of the Florence district, Idaho County, Idaho: Idaho Bur. Mines and Geology Pamphlet 46.
25. Reid, R. R., 1959, Reconnaissance geology of the Elk City region, Idaho: Idaho Bur. Mines and Geology Pamphlet 120.
26. Ross, C. P. 19~ Geology along U.S. Highway 93 in Idaho: Idaho Bur. Mines and Geology Pamphlet 130.
27. Ross, C. P. and Forrester, J. D., 1947, Geologic map of Idaho.
28. Shenon, P. J. and Ross, C. P., 1936, Geology and ore deposits near Edwardsburg and Thunder Mountain, Idaho: Idaho Bur. Mines and Geology Pamphlet 44.
29. Shenon, P. J. and Reed, J. C., 1934, Geology and ore deposits of the Elk City, Orogrande, Buffalo Hump, and Ten Mile districts, Idaho County, Idaho: U.S. Geol. Survey Circular 9.
30. Shockey, P. N., 1957, Reconnaissance geology of the Leesburg quadrangle, Lemhi County, Idaho: Idaho Bur. Mines and Geology Pamphlet 113.
31. Strum, F. M., 1954, General geology of some replacement monazite deposits in Lemhi County, Idaho: Unpub. M.S. thesis, Univ. of Idaho.
32. Weiss, P. C. and others, 1977, Mineral resources of the Salmon River Breaks Primitive Area, Idaho: U.S. Geo. Survey Bulletin 1357-C.
33. Winegar, R. C., 1974, Bitterroot 1 and 2 geologic surveys: Special Report for USDA, Bitterroot National Forest, Contract No. 36-3254.

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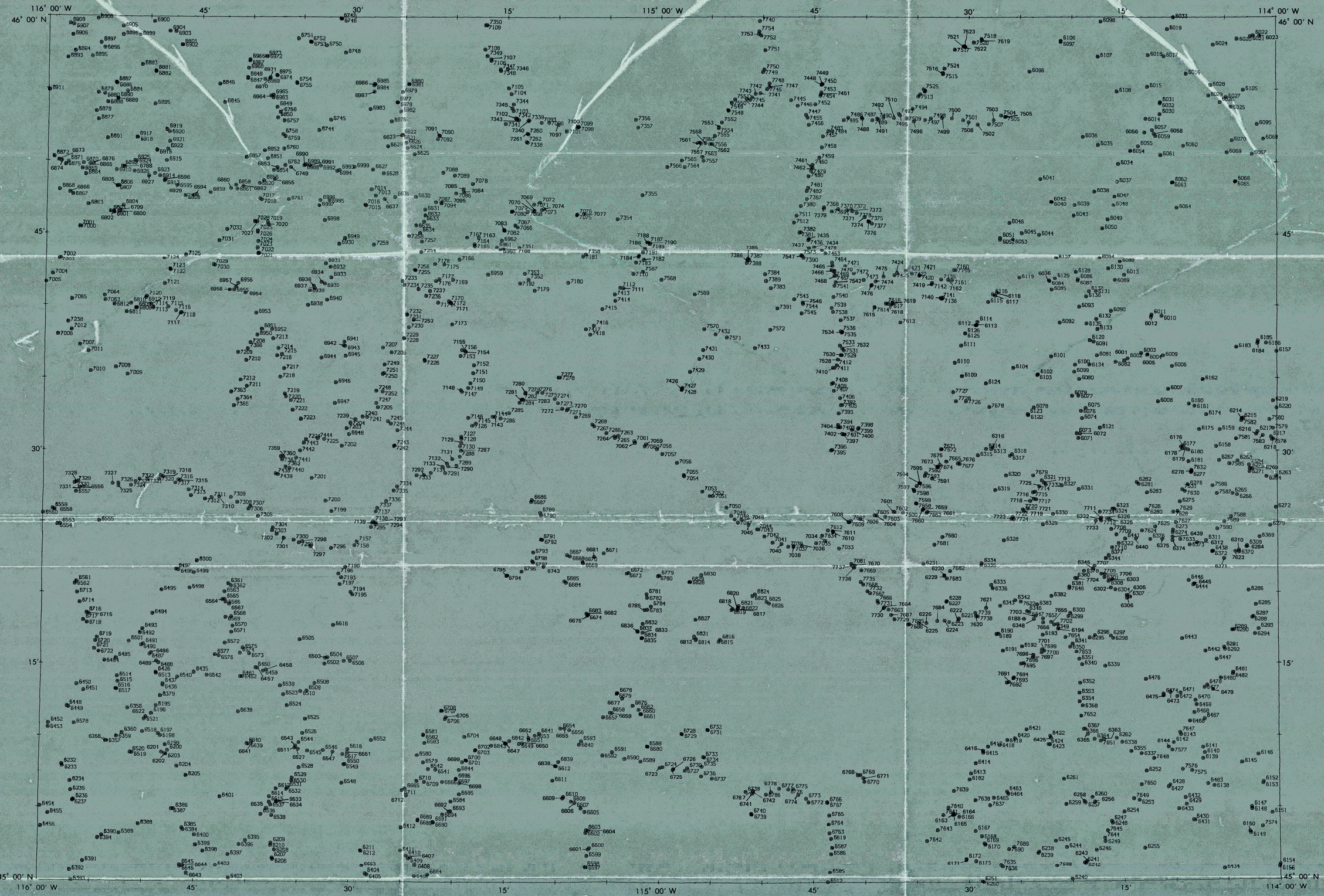
PLATE II



The LASL sample location numbers above are the same as those used in a APPENDIXES I-A and I-B except the leading two alphanumeric characters have been dropped.

SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

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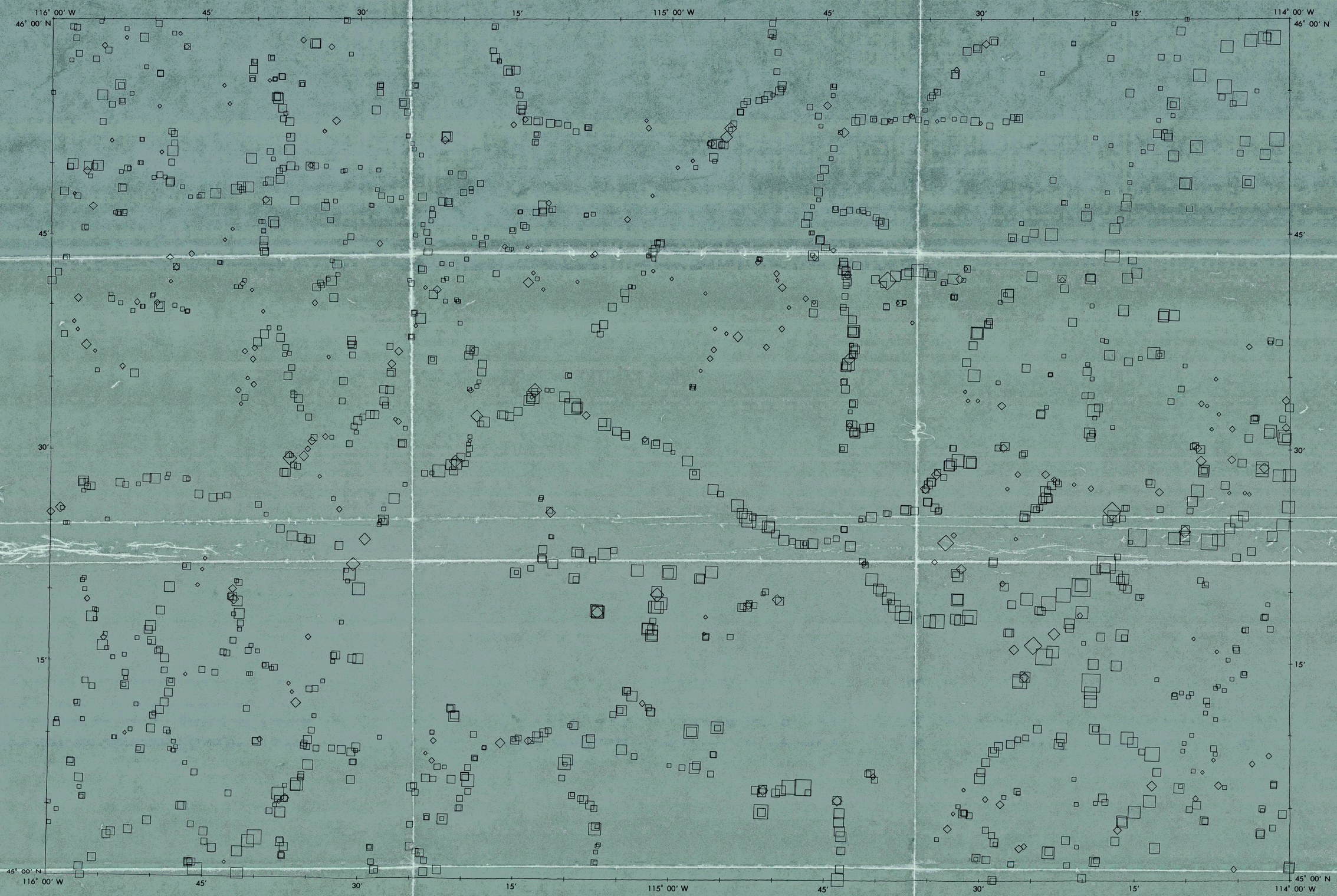
SAMPLE LOCATION OVERLAY FOR THE ELK CITY NTMS QUADRANGLE, IDAHO/MONTANA



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5 0 5 10 15 20 25 KILOMETERS

LEGEND

SYMBOL	CONCENTRATIONS (ppb)
◇ SPRING	0.00– .20
	.21– .50
	.51– 1.00
	1.01– 2.00
□ SURFACE STREAM	2.01– 5.00
	5.01– 10.00
	10.01– 20.00
	> 20.00

URANIUM CONCENTRATIONS (ppb) IN WATERS

OVERLAY TO THE

ELK CITY NTMS QUADRANGLE, IDAHO/MONTANA

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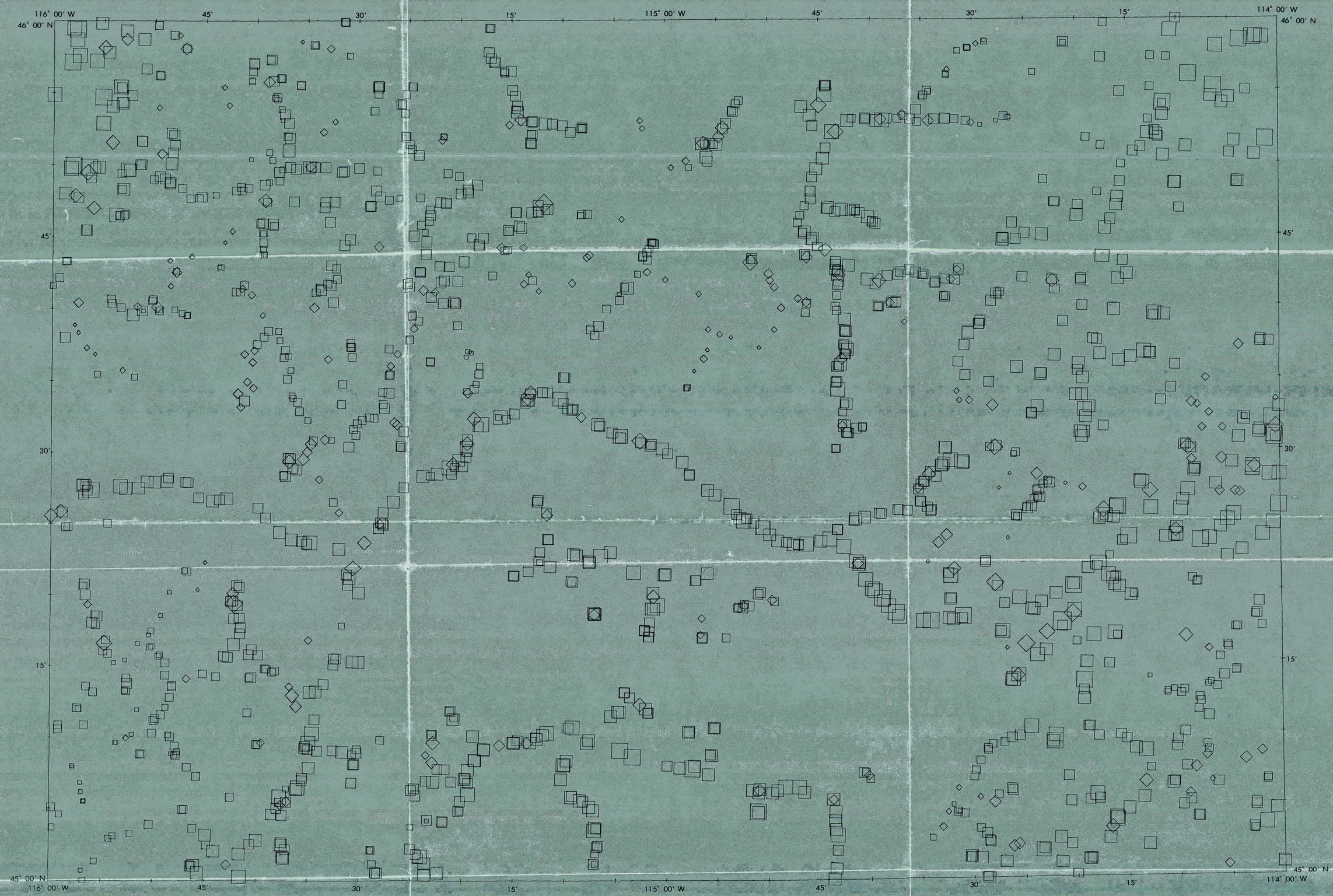
PLATE IV



SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

LEGEND

SYMBOL	CONDUCTIVITIES (μmho/cm)
◇ SPRING	< 5
	5 - 10
	11 - 20
	21 - 50
□ SURFACE STREAM	51 - 100
	101 - 200
	201 - 500
	> 500

CONDUCTIVITIES (μmho/cm) IN WATERS

OVERLAY TO THE

ELK CITY NTMS QUADRANGLE, IDAHO/MONTANA

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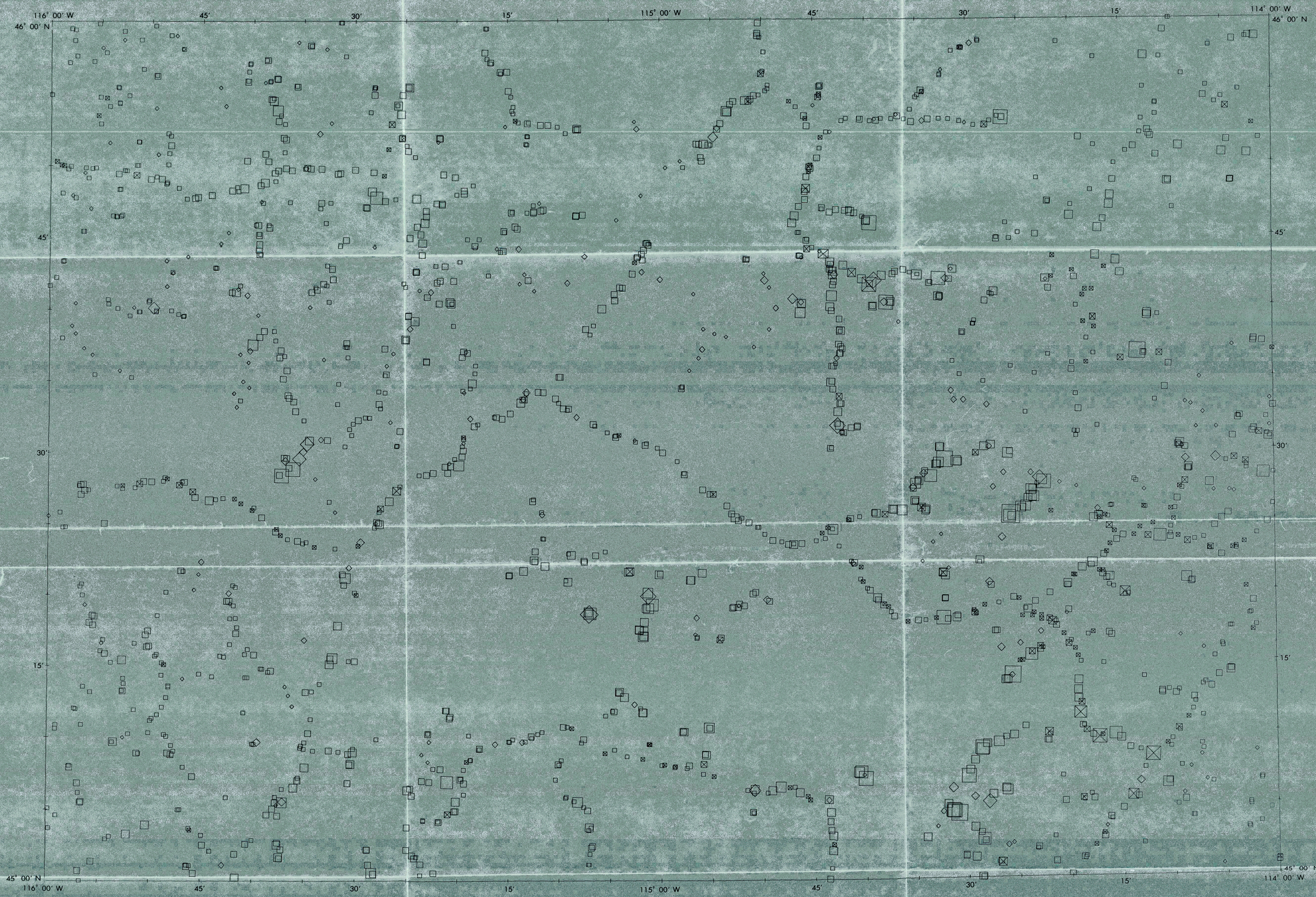

SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

LEGEND

SYMBOL	CONCENTRATIONS (ppm)
◇ WET SPRING	0.00– 10.00
	10.01– 25.00
	25.01– 50.00
□ WET STREAM	50.01– 75.00
	75.01–100.00
⊠ DRY STREAM	100.01–200.00
	200.01–300.00
	>300.00

URANIUM CONCENTRATIONS (ppm) IN SEDIMENTS

OVERLAY TO THE

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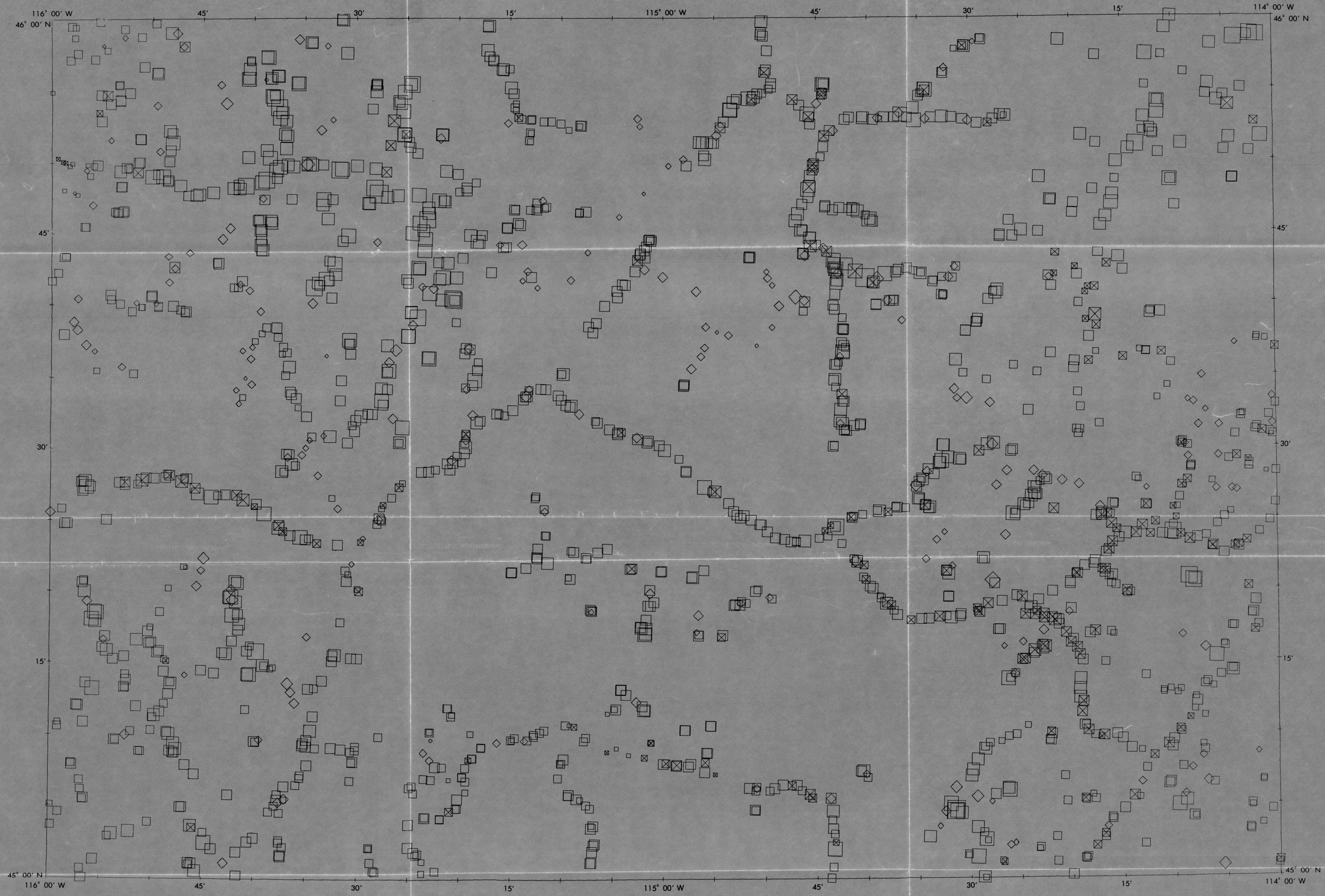

SCALE 1:250 000

5 0 5 10 15 20 25 MILES

5 0 5 10 15 20 25 KILOMETERS

LEGEND

SYMBOL	CONCENTRATIONS (ppm)
◇ WET SPRING	0.0– 5.0
	5.1– 10.0
	10.1– 20.0
□ WET STREAM	20.1– 50.0
	50.1–100.0
⊠ DRY STREAM	100.1–200.0
	200.1–500.0
	>500.0

THORIUM CONCENTRATIONS (ppm) IN SEDIMENTS

OVERLAY TO THE

ELK CITY NTMS QUADRANGLE, IDAHO/MONTANA

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