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Uranium Hydrogeochemical and Stream Sediment Reconnaissance of the Trinidad NTMS Quadrangle, Colorado

University of California

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Wayne A. Morris
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Thomas A. Weaver

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URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE OF THE TRINIDAD NTMS QUADRANGLE, COLORADO

by

Wayne A. Morris, Carol M. LaDelfe,
and Thomas A. Weaver

ABSTRACT

During the field seasons of 1976 and 1977, 1060 natural water and 1240 waterborne sediment samples were collected from 1768 locations in the Trinidad, Colorado, NTMS quadrangle. The samples from this 19 600-km^2 area were analyzed at the Los Alamos Scientific Laboratory for total uranium. The uranium concentrations in waters ranged from less than the detection limit of 0.02 parts per billion (ppb) to 88.3 ppb, with a mean value of 4.05 ppb. The concentrations in sediments ranged from 1.3 parts per million (ppm) to 721.9 ppm, with a mean value of 5.55 ppm. Based on simple statistical analyses of these data, arbitrary anomaly thresholds were set at 20 ppb for water samples and 12 ppm for sediment samples. By this definition, fifty-eight water and 39 sediment samples were considered anomalous.

At least five areas delineated by the data appear to warrant more detailed investigations. Twenty-six anomalous water samples outline a broad area corresponding to the axis of the Apishapa uplift, seven others form a cluster in Huerfano Park, and five others outline a small area in the northern part of the San Luis Valley. Twenty-three anomalous sediment samples outline an area corresponding generally to Precambrian metamorphic rocks in the Culebra Range, and seven anomalous sediment samples form a cluster near Crestone Peak in the Sangre de Cristo Mountains.

I. INTRODUCTION

This report describes work done in the Trinidad, Colorado, National Topographic Map Series (NTMS) quadrangle (US Geological Survey, 1955) by the Los Alamos Scientific Laboratory (LASL) as part of the nationwide Hydrogeochemical and Stream Sediment Reconnaissance (HSSR). The HSSR, a part of the National Uranium Resource Evaluation (NURE) program sponsored by the US Department of Energy (DOE), is designed to identify areas having higher than normal concentrations of uranium in ground waters, surface waters, and water-transported sediments. The HSSR data will ultimately be combined with data from other NURE programs (e.g., from airborne radiometric surveys and geological investigations) to prepare an improved assessment of the potential uranium resources in the United States and to indicate areas favorable for uranium exploration by the private sector. The LASL is responsible for conducting the HSSR in the Rocky Mountain states of New Mexico, Colorado, Wyoming, and Montana, in parts of Texas, Oklahoma, Arizona, Utah, and Idaho, and in Alaska.

A total of 1060 water and 1240 sediment samples were collected from 1768 locations in the Trinidad quadrangle. The western half of the quadrangle was sampled by a private contractor during March, April, May, and July of 1976; the eastern half was sampled by another private contractor in September and October of 1977. The sample locations were specified by the LASL and the samples were collected using maps, field equipment, and materials supplied by the LASL. Throughout the study, standardized field and analytical techniques developed by the LASL (Sharp, 1977; Sharp and Aamodt, 1978; Hues et al, 1977), summarized in Appendix A, were utilized so that sample data in this report may be compared to those in other LASL HSSR reports in surrounding areas.

II. DESCRIPTION OF STUDY AREA

Geographic Setting

The Trinidad quadrangle covers approximately 19 600 km^2 in south-central Colorado (Fig. 1). The area is bounded by latitudes 37° and 38°N and longitudes 104° and 106°W and includes all of Costilla, most of Huerfano, and portions of Alamosa, Saguache, Custer, Conejos, Las Animas, Pueblo, and Otero Counties. Trinidad is the largest city in the quadrangle with a population of about 9900 (1970 census), followed by Alamosa and Walsenburg.

The western portion of the quadrangle lies within the Southern Rocky Mountain physiographic province and includes the San Luis Valley (Rio Grande rift), Sangre de Cristo Mountains, and Wet Mountains. The eastern portion is in the Rocky Mountain Piedmont province and includes the Raton basin and Apishapa uplift (Fig. 2).

Elevations in the study area range from 1400 m above sea level in the northeast corner of the quadrangle to 4400 m at Sierra Blanca Peak, 36 km east of Alamosa. Several other peaks in the Sangre de Cristo Mountains exceed 4000 m.

Climate

The climate of the Trinidad quadrangle area is semiarid to semihumid and cool. The average annual precipitation varies from less than 250 mm in the valleys to above 800 mm in the higher elevations of the Sangre de Cristo

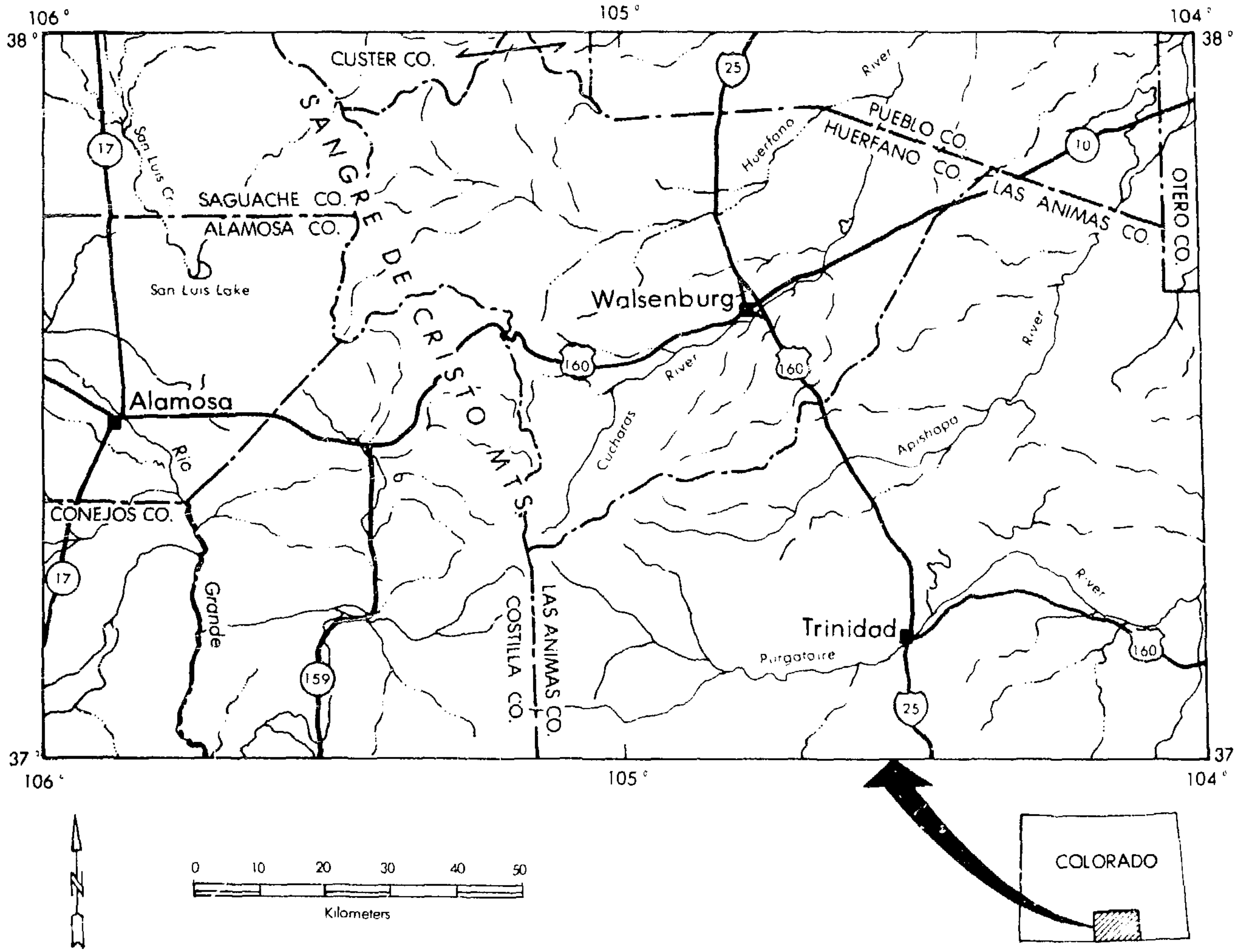

Fig. 1. Location and drainage map for the Trinidad quadrangle, Colorado.

Mountains. About 80% of the annual precipitation in the San Luis Valley occurs in late spring and summer from thermally induced thunderstorms.

Winter temperatures average just above 0°C for highs and around -10°C for lows; summer high temperatures average about 30°C and lows are near 5°C. The month preceding the beginning of sample collection in the western area was characterized by nearly twice the normal precipitation in the Rio Grande drainage basin. Excessive precipitation continued in that area through May 1976, resulting in mountain snow depths that precluded sampling higher altitudes before July. East of the Sangre de Cristo Mountains the weather was near normal during the spring of 1976. Temperatures during the 1977 sample collection period were slightly warmer than normal and the precipitation averaged less than half of normal. Samplers recorded the weather conditions at each sample location; these data are included in Appendixes B and C. Additional information on the climate of the Trinidad quadrangle is provided in reports by the National Oceanic and Atmospheric Administration (1976 and 1977).

Hydrology

Within the Trinidad quadrangle the Sangre de Cristo Mountains constitute the major drainage divide, separating the Rio Grande and Arkansas River drainage basins. The Rio Grande, with its tributaries, drains the southern portion of the San Luis Valley and flows south into New Mexico. The northern portion of the San Luis Valley is a closed basin with San Luis Lake as the sump. The Purgatoire River is the major perennial stream in the Great Plains area of the quadrangle and joins the Arkansas River east of the report area. The Huerfano, Cucharas, and Apishapa Rivers are intermittent streams that join the Arkansas northeast of the report area.

Ground water in the San Luis Valley is found in both unconfined and confined aquifers which are composed of Cenozoic sediments that are as much as 5790 m deep along the eastern side of the valley. The unconfined surface aquifer is tapped by the majority of domestic and agricultural wells in the valley. It has a thickness of up to 61 m and wells yield as much as 190 ℓ/s with total dissolved solids ranging from 72 to 31 200 parts per million (ppm); maximum salinity is found in the closed basin surrounding San Luis Lake. Depth to water in the unconfined aquifer ranges from 0 to 34 m below the land surface. The confined aquifers have a total thickness of from 15 m to nearly 5790 m. Wells in this zone can yield up to 250 ℓ/s and have total dissolved solids ranging from 60 to 2440 ppm. The piezometric surface of water from wells monitored in 1970 ranged from 41 m below to 19 m above the surface (Emery et al, 1972).

Ground water along the eastern slopes of the mountains and across the plains area of the quadrangle is primarily found in Cretaceous and younger rocks. The Cheyenne sandstone may yield significant quantities of water with quality ranging from good for domestic consumption to unfit even for stock use (McLaughlin et al, 1961). The Dakota sandstone generally provides a dependable source of small to moderate quantities of water for domestic and stock use, but in some places the water is unfit for any of these purposes (McLaughlin, 1956). Of the upper Cretaceous strata, the Fort Hays member of the Niobrara formation and the Codell sandstone member of the Carlile shale yield water to springs, and domestic and stock wells. The most dependable sources of ground water in the eastern third of the quadrangle are the unconsolidated alluvial aquifers that underlie the flood plains of the Purgatoire, Cucharas, Apishapa, and Huerfano Rivers and a number of their smaller tributaries (McLaughlin, 1956).

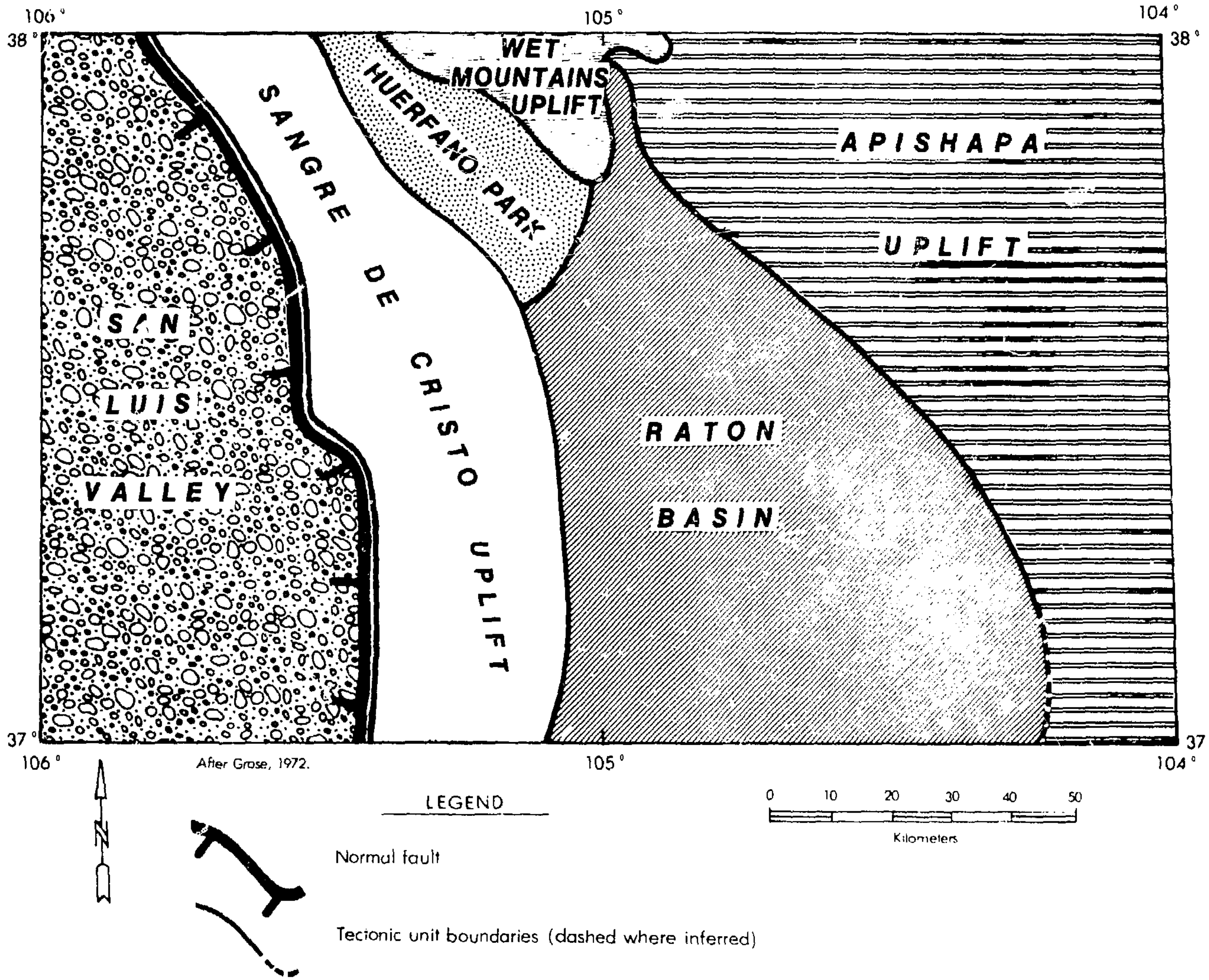

Fig. 2. Major structural features in the Trinidad quadrangle, Colorado.

III. GEOLOGY

Stratigraphy

The oldest rocks in the area are the Precambrian units exposed in the Sangre de Cristo and Wet Mountains. The Precambrian metamorphic units of the Sangre de Cristo Mountains include amphibolites, numerous varieties of dark- to medium-colored gneisses, metaquartzite, metasedimentary schist and gneiss, gneissic granodiorite, and alaskitic granite. Precambrian units exposed in the southern Wet Mountains are mapped as primarily alaskitic granite with hornblende gneiss and amphibolite on the east flank.

Comparison of the geologic maps of the Trinidad and Pueblo quadrangles (Johnson, 1969; Scott et al, 1978) reveals differences in naming and mapping of Precambrian units at their junction along 38°N latitude. The more recently mapped Pueblo quadrangle includes 1.7 billion-year-old gneiss flanking the 1.45 b.y. granite just north of the area in the Wet Mountains mapped simply as "alaskitic granite" on the Trinidad quadrangle. North of the area on the west flank of the Sangre de Cristo Range, mapped as "metasedimentary schist" on the Trinidad map, the Pueblo map indicates 1.45 b.y. quartz monzonite. This latter case suggests either a marked conflict in the classification of rock type or a contact between the two types along the 38°N latitude line, which is unlikely. The Wet Mountain situation could simply be the result of identification by different dating procedures used after the compilation of the Trinidad geologic map.

Paleozoic rock units exposed within the quadrangle are Pennsylvanian and Permian in age except for narrow outcrops of Ordovician and Devonian dolomite and quartzite along the west flank of the Sangre de Cristo Range. These Paleozoic rocks are found mainly on the east flank of the Sangre de Cristo Mountains, generally from just west of the crest to the faults bordering the east side. A gray limestone member of the Pennsylvanian Minturn formation forms the ridge of peaks in the Culebra Range. The Pennsylvanian and/or Permian Sangre de Cristo formation, comprised of predominantly fluvial, red, arkosic sandstones and conglomerates, is 2900 m thick at Whisky Pass and up to 4000 m thick near Crestone (Melton, 1925) where the conglomerate contains boulders up to 3 m in diameter (Bolyard, 1960).

Except for a narrow band of Triassic (?) Johnson Gap formation in the Culebra portion of the Sangre de Cristo Mountains, and a number of small areas of late Jurrasic Morrison formation, Ralston Creek (?) formation, and Entrada sandstone in the Sangre de Cristo and Wet Mountains, Mesozoic deposition within the quadrangle is primarily represented by Cretaceous rocks, though the Apishapa and Purgatoire Rivers cut into Jurassic rocks at the crest of the Apishapa uplift. In the Raton basin the Cretaceous sequence is about 1340 m thick. Below the late Cretaceous Trinidad sandstone, 90% of the rocks are marine, predominantly shales (Cobban, 1956). Cretaceous rocks comprise essentially the entire surface of the quadrangle east and north of a north-northwest trending line approximately through Trinidad to the east flank of the Wet Mountains.

Rocks of the Raton formation were deposited in the Raton basin in the late Cretaceous and early Paleocene and have a thickness of up to 500 m southeast of the Spanish Peaks (Johnson and Wood, 1956). They contain most of the economic deposits of coal in southern Colorado and are comprised of sandstones, siltstones, and shales overlying a basal conglomerate. The remaining sediments which surface in the Raton basin and Huerfano Park are mostly Tertiary shales to arkosic conglomerates.

Tertiary to Quaternary alluvial gravels, sands, fan and pediment materials, stream deposits, and volcanic debris cover much of the San Luis Valley, Huerfano Park, and the graben northeast of Sierra Blanca. Among the youngest sediments are Pleistocene alluvial, morainal, and landslide deposits and Pleistocene to Recent eolian sands, primarily large sand dunes in the San Luis Valley.

Structure

Major structural units within the Trinidad quadrangle include the San Luis basin, Sangre de Cristo Mountains, Raton basin, Huerfano Park, Wet Mountains, and Apishapa uplift. The tilted graben of the San Luis basin and the Sangre de Cristo horst display a bedrock offset of several thousand meters along the Rio Grande rift, which extends north from approximately Chihuahua, Mexico, to at least central Colorado (Chapin, 1971). However, the 11 000-m structural relief reported for the San Luis basin may be in error (Cordell, 1978). Huerfano Park contains about 4600 m of Phanerozoic sediments (Briggs and Goddard, 1956), indicating at least 5900 m of bedrock relief between the park and the adjacent Wet Mountains. The Raton basin is structurally contiguous with Huerfano Park and extends south as far as Las Vegas, New Mexico; total thickness of sediment in the Colorado portion of the Raton basin is perhaps 7600 m (Baltz, 1965). The surface of the early Cretaceous Dakota sandstone is only 1400 m higher in the Apishapa uplift than in the Raton basin (Doeringsfeld et al, 1956), indicating the change toward the Great Plains structure in the eastern third of the quadrangle.

Igneous History

Small intrusions of Precambrian diorite, diabase, and gabbro, as well as a variety of hypabyssal rocks, occur among the metamorphics of the southern Sangre de Cristo Range, and many of the metamorphics of the Sangre de Cristo and Wet Mountains were originally basic to granitic igneous rocks. There is little evidence at this time for any relationship between Precambrian and Phanerozoic tectonic events in the Rocky Mountain region (Grose, 1972), and the billion years or more between igneous episodes in this area emphasizes this gap.

Cenozoic igneous features in all of the structural provinces of the Trinidad quadrangle include sole injections and intrusions of stocks, laccoliths, plugs, dikes, and sills, ranging in composition from ultrabasic to silicic (Johnson, 1960). Cenozoic lavas form the San Luis Hills and San Pedro Mesa in the San Luis Valley, the summit of Raton Mesa, and numerous flows in the Sangre de Cristo and Wet Mountains and the San Luis Valley. A cinder cone west of Mesita in the San Luis Valley is representative of igneous activity in the area within the last 10 000 years.

IV. URANIUM OCCURRENCES

Eight uranium occurrences, listed in Table I and plotted on Plate I, are reported in the Trinidad quadrangle. Three have produced uranium and five are undeveloped. Six of the eight occurrences are in Permian or Pennsylvanian and Permian rocks of the Sangre de Cristo formation. The Stumbling Stud and Loco Alice occurrences are vein deposits, but uranium associated with carbonaceous sedimentary material is most common in the others (Finch, 1967).

TABLE I

REPORTED URANIUM OCCURRENCES IN THE TRINIDAD QUADRANGLE, COLORADO

Name	Latitude	Longitude	County	Comment	Source
[illegible] No. 1	[illegible]	[illegible]	Las Animas	[illegible]	[illegible]
Spanish Peaks	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
City Slicker claim, McGuire lode, etc.	[illegible]	[illegible]	Huerfano	[illegible]	[illegible]
Stumbling Stud and other prospects	[illegible]	[illegible]	Huerfano	[illegible]	[illegible]
Security Exploration Co. property, Buckhorn and Mitzy claims, and other prospects	[illegible]	[illegible]	Huerfano	[illegible]	[illegible]
[illegible] claims	[illegible]	[illegible]	Huerfano	[illegible]	[illegible]
[illegible] ranch	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
King Midas No. 2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

The active uranium production that has taken place in the three areas of the quadrangle has had a cumulative economic value of no more than one million dollars from any one area (Mardirosian, 1976). Uranium in the City Slicker claim area near La Veta Pass is in the form of autunite and carnotite in coal seams, carbonized logs, and plant trash (Brown and Malan, 1954). The Buckhorn and Mitzy claims and Security Exploration property in Huerfano Park have produced uraninite and autunite from carbonized plant remains found in sandy shale and arkosic sandstones of the Tertiary Farisita formation (Finch, 1967). Carnotite and autunite were found in vein deposits in fluorite-cemented Dakota sandstone in the Stumbling Stud locality, near Badito Cone at the southern end of the Wet Mountains (Finch, 1967).

V. ANALYTICAL AND STATISTICAL DATA FOR URANIUM CONCENTRATIONS IN WATER AND SEDIMENT SAMPLES

During this reconnaissance 1060 water samples and 1240 sediment samples were collected and analyzed using the standard procedures outlined in Appendix A. Appendix B contains listings of field data and measured uranium concentrations for water samples; Appendix C contains similar listings for sediment samples. All uranium concentrations in waters are reported in parts per billion (ppb) and in sediments in ppm. Appendix D has an explanation of the codes used in the data listings and a key to the sample types. A sample location overlay is provided as Plate I; uranium concentration overlays for water and sediment samples are presented as Plates II and III, respectively. All overlays are at a 1:250 000 scale and are to be used with both the NTMS topographic map and the US Geologic Survey geologic map of the Trinidad quadrangle. Note that the LASL sample location numbers on Plate I differ from those in the text and Appendixes B and C in that the leading two alphanumeric characters have been dropped from the location numbers printed on the plate (e.g., location C28001 in the Appendices appears as 8001 on Plate I).

Uranium Concentrations in Water Samples

A semilogarithmic histogram of frequency versus uranium concentration for all 1060 waters from the Trinidad quadrangle is shown in Fig. 3. Table II summarizes the number of samples and the minimum, maximum, mean (x), and standard deviation (σ) of the uranium concentrations for all waters as well as for individual water sample types. Although the uranium concentrations in water from different sources might not be directly comparable, in this evaluation all waters are considered as one population because the mean and standard deviation of the uranium concentrations from almost all source types are nearly equal.

Early in the LASL HSSR program water samples were taken from natural and artificial ponds in areas where streams and wells were sparse or non-existent. Subsequent evaluation of the uranium data from the samples taken from these sources showed that, in general, the uranium concentrations in ponds do not correlate with those of other sample types in the sample area. This is particulary true for shallow, artificial ponds in arid or semiarid climates where the average uranium concentrations may be an order of magnitude greater than those from other sources due to concentration mechanisms such as those described by Fix (1956). Furthermore, in the Rocky Mountain region there are usually not enough natural ponds in any one area to make an areal assessment using ponds only. Consequently, ponds were dropped from the LASL program beginning with the 1977 field season, except for those in Alaska where natural ponds are a primary sample source (Sharp, 1977). Since part of the Trinidad quadrangle was sampled in 1976 and part in 1977, natural and artificial pond

TABLE II

SUMMARY OF URANIUM DATA FOR WATER SAMPLES
FROM THE TRINIDAD QUADRANGLE, COLORADO

Sample Type	Number of Samples	Miniumum (ppb)	Maximum (ppb)	Mean (ppb)	Standard Deviation
All Waters	1060	0.01	88.30	4.05	8.80
Streams	344	0.04	81.90	4.00	8.90
Springs	169	0.07	53.80	4.13	8.03
Wells	498	0.01	88.30	4.10	9.14
Artificial Ponds[a]	26	0.10	16.90	2.72	4.10
Natural Ponds[a]	23	0.03	38.10	4.73	9.22

[a] Pond water samples were not collected east of 104°52'30"W longitude.

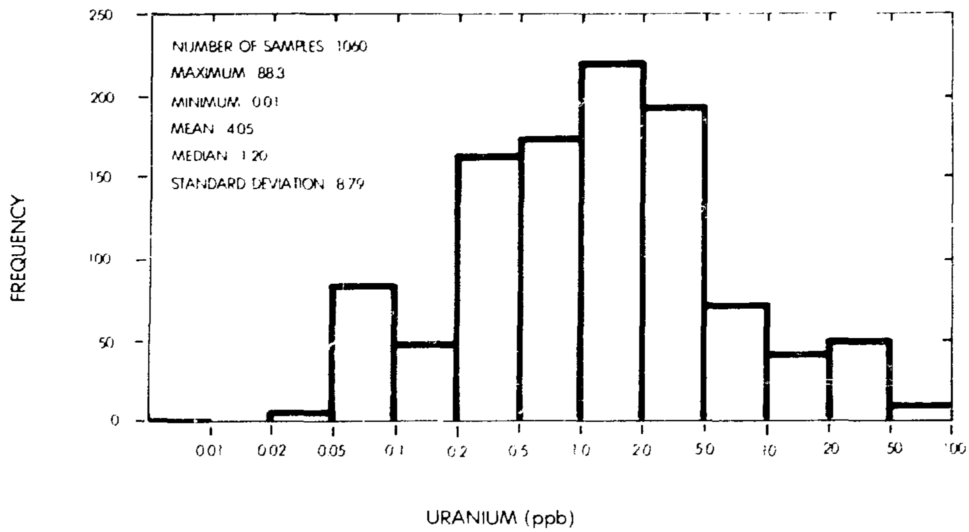

Fig. 3. Semilogarithmic histogram of the uranium concentrations in waters from the Trinidad quadrangle, Colorado.

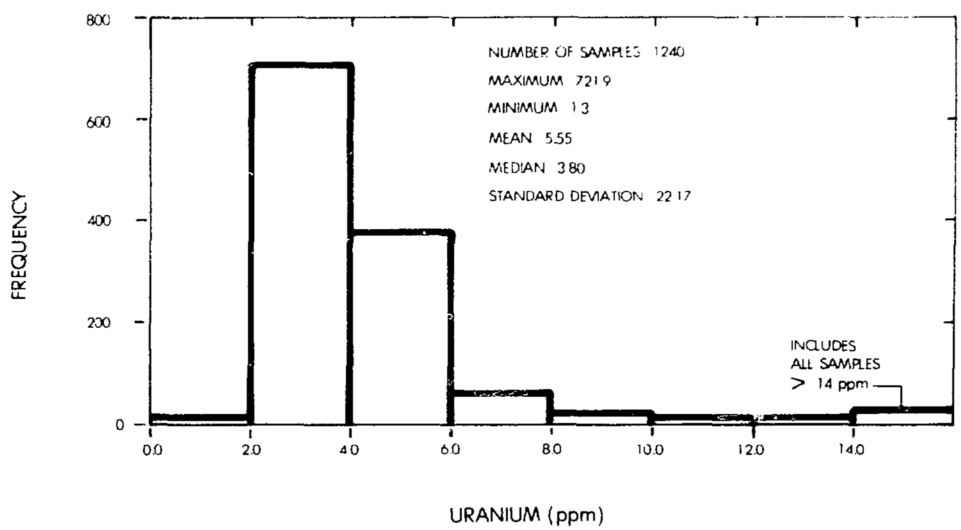

Fig. 4. Histogram of the uranium concentrations in sediments from the Trinidad quadrangle, Colorado.

samples were collected in the western portion but not in the eastern portion (east of 104°52'30"W longitude) of the quadrangle.

An arbitrary anomaly threshold for waters in the Trinidad quadrangle has been set at 20 ppb, which corresponds roughly to $\bar{x} + 2\sigma$ for all waters. There are 58 samples (5.5% of the total) with uranium values above 20 ppb; they are indicated on Plate II by the two largest concentration symbols. Table III provides the relevant data for these 58 water samples. Eight uranium values (less than 1% of the total) are above 50 ppb, represented by the largest symbol on Plate II. The highest in the study is 88.3 ppb in the well water from location C28722 on a tributary to Costilla Creek in the southern part of the San Luis Valley.

Twenty-six water samples with uranium concentrations greater than 20 ppb (one sample containing over 50 ppb) were taken from locations in the Cretaceous rocks of the Apishapa uplift, an area with no known uranium occurrences. These sample locations appear as Cluster I on Plate II and are tabulated with relevant data in Table III. The majority of these anomalous samples were collected from locations in the upper Cretaceous section (predominantly shale), which has yielded water samples with very high uranium values in the adjacent Lamar quadrangle (Shannon, 1979, in preparation). Ten other anomalous uranium concentrations (three greater than 50 ppb) were noted from locations underlain by these units in the eastern part of the quadrangle. The specific conductances of several of the samples within Cluster I and of the anomalous samples from locations east and south of the cluster are near 10 000 µmhos (Table III), indicating a high level of dissolved solids in the water. The high uranium content of the samples from this area could be attributed either to the high level of dissolved solids or to the generally high abundance of uranium in shales.

One ground and six surface water sample locations that have waters with anomalous uranium concentrations form Cluster II (Plate II and Table III) in Huerfano Park; two of the values are greater than 50 ppb. Also, several near-anomalous samples come from locations in or near this cluster and three of the eight documented uranium occurrences in the quadrangle are in or around the Huerfano Park area. Most of the high values are from locations in the Tertiary Huerfano and Farisita formations. South of Cluster II, near the center of the Trinidad quadrangle, a number of stream waters collected from the Cucharas River and its tributary, Middle Creek, contain uranium values which generally exceed 5 ppb. These values are associated with the City Slicker claim at the head of this drainage system.

Five locations with anomalous water samples (one over 50 ppb) from both surface and ground water sources in the northwest corner of the quadrangle form Cluster III (Plate II and Table III). This is in an area of interior drainage where natural concentration by evaporation might be expected (Fix, 1956). But the specific conductances of both surface and ground water samples are much lower here than in the Apishapa uplift and the highest uranium value (53.7 ppb) is in ground water from a free-flowing (artesian) well 24-m deep. Therefore, surface conditions (evaporation) may not be the dominant influence on uranium concentrations in this area.

In the southern portion of the San Luis Valley, along the Rio Grande, the water sampling coverage is poor because there are few wells and little surface water. However, there are seven ground water samples and one surface water sample from this region that show anomalous uranium concentrations. One of these comes from a well (sample location C28722) that is approximately 140-m deep and may penetrate more than one aquiclude along which concentration of

TABLE III

RELEVANT DATA FOR WATER SAMPLES FROM THE TRINIDAD QUADRANGLE, COLORADO, WITH URANIUM CONCENTRATIONS GREATER THAN 20 PPB

	Sample Location Number	Sample Type	Total Uranium (ppb)	Specific Conductance (μmhos/cm)	pH	Geology/Remarks
Cluster I	C28084	Spring	53.8	7800	7.0	This broad area parallels the axis of the Apishapa uplift with most samples from areas underlain by Cretaceous Niobrara formation.
	C28377	Spring	49.9	10 000	7.6	
	C28365	Well	48.0	8100	7.3	
	C28097	Well	44.2	4025	7.5	
	C28609	Well	42.7	4600	7.6	
	C28612	Spring	40.0	1950	7.1	
	C28360	Stream	34.4	6100	7.9	
	C28621	Stream	33.4	3200	6.9	
	C28335	Well	33.0	1750	7.5	
	C28366	Well	31.8	7800	6.9	
	C29427	Well	30.8	205	6.9	
	C28389	Spring	30.3	10 010	7.9	
	C28114	Well	29.6	1100	7.2	
	C28115	Well	29.1	2300	7.1	
	C28379	Well	28.6	10 000	7.1	
	C28155	Well	27.1	900	8.0	
	C28412	Stream	25.0	6500	7.2	
	C28006	Well	24.9	5090	7.7	
	C28617	Well	24.7	454	7.2	
	C28374	Well	24.1	7500	8.3	
	C28012	Well	22.7	4050	7.1	
	C28120	Well	21.9	2490	7.5	
	C28403	Well	21.6	4800	7.0	
	C28380	Stream	21.3	8010	7.9	
	C28095	Spring	20.8	4950	6.4	
	C28378	Stream	20.5	4100	7.8	
Cluster II	C29262	Stream	58.3	800	8.0	This area of Huerfano Park is underlain by Tertiary Huerfano and Farisita formations, includes one known occurrence, and is near two other occurrences.
	C29497	Stream	52.0	2200	8.2	
	C29171	Stream	40.6	195	8.2	
	C29190	Natural Pond	38.1	925	8.3	
	C29175	Well	29.7	1825	7.9	
	C29176	Spring	28.4	1900	8.5	
	C29511	Stream	23.8	1250	8.8	
Cluster III	C29704	Well	53.7	60	8.4	This is an area of interior drainage, artesian wells, and is underlain by Tertiary and Quaternary Alamosa and Santa Fe formations.
	C29144	Stream	38.7	490	8.3	
	C29140	Stream	26.9	500	6.4	
	C29702	Well	22.7	4050	7.1	
	C29706	Natural Pond	21.3	500	8.0	
Others	C28478	Stream	81.9	10 480	8.4	Generally east and south of Cluster I; area underlain by Cretaceous sandstones and shales.
	C28283	Well	57.7	6650	6.4	
	C28484	Stream	55.9	10 330	8.7	
	C28501	Well	44.8	1800	6.9	
	C28293	Stream	44.3	6000	8.2	
	C28236	Well	31.6	1000	8.4	
	C28205	Well	29.8	4900	7.4	
	C28228	Spring	24.7	6100	7.4	
	C28170	Well	24.1	14 000	7.7	
	C28722	Well	88.3	600	7.8	From San Luis Valley south of Cluster III; area underlain by Tertiary and Quaternary alluvium and volcanic material.
	C28741	Well	39.5	260	8.0	
	C28764	Well	36.6	468	7.1	
	C29129	Well	30.3	545	8.7	
	C28993	Well	30.2	600	6.9	
	C28718	Well	25.2	410	8.3	
	C28681	Stream	25.1	700	8.2	
	C29050	Spring	24.0	70	7.6	
	C28970	Well	20.2	500	8.0	
	C29493	Stream	25.3	1300	8.2	From Raton basin region near Tertiary intrusives.

soluble minerals could occur, while a second is from a well (sample location C28718) near an inferred fault shown on the geologic map of the Trinidad quadrangle. The source locations of these anomalous samples and several near-anomalous ones encircle the volcanic buttes of the San Luis Hills, an area where no water samples could be collected. These locations are spread over a large area and are not in a cluster; however, the high percentage of them that provided samples with elevated uranium contents suggest further investigations in the area may be worthwhile. There are no documented uranium occurrences in this area or in the tributary drainage basins nearby.

Uranium Concentrations in Sediment Samples

Figure 4 is a histogram of frequency versus uranium concentration for all 1240 sediment samples from the Trinidad quadrangle. Table IV is a summary of number of samples and the minimum, maximum, mean, and standard deviation of the uranium concentrations for all sediments as well as for individual sediment types. As noted in the discussion of water samples, samples from natural or artificial ponds were taken only in the western portion of the quadrangle.

An arbitrary anomaly threshold for sediments has been set at 12 ppm, which is approximately equal to $\bar{x} + 2\sigma$ if five very high uranium concentrations (81.9 to 721.9 ppm) are eliminated from the calculation. Inclusion of these high values results in an anomaly threshold of 50 ppm, which would designate only those five samples as anomalous. Relevant data for the 39 samples (3% of the total) with uranium concentrations greater than 12 ppm are shown in Table V. Thirty of the locations from which these samples come are grouped

TABLE IV

SUMMARY OF URANIUM DATA FOR SEDIMENT SAMPLES FROM THE TRINIDAD QUADRANGLE, COLORADO

Sample Type	Number of Samples	Minimum (ppm)	Maximum (ppm)	Mean (ppm)	Standard Deviation
All Sediments	1240	1.3	721.90	5.55	22.17
All sediments[a]	1235	1.3	47.20	4.56	3.33
Wet Spring	153	1.3	721.90	12.80	62.02
Wet Spring[a]	149	1.3	47.20	5.29	5.30
Wet Stream	334	1.6	81.90	5.95	6.16
Wet Stream[a]	333	1.6	45.90	5.73	4.55
Wet Pond[b]	48	2.0	13.00	4.08	2.06
Dry Spring	12	2.5	4.50	3.64	0.56
Dry Stream	645	1.6	26.20	3.93	1.53
Dry Pond[b]	48	1.6	6.50	3.30	0.97

[a] For statistical comparison samples with uranium values greater than 50 ppm have been excluded.

[b] Wet and dry pond sediment samples were not collected east of 104°52'30"W longitude.

TABLE V

RELEVANT DATA FOR SEDIMENT SAMPLES FROM THE TRINIDAD QUADRANGLE, COLORADO, WITH URANIUM CONCENTRATIONS GREATER THAN 12 PPM

	Sample Location Number	U(ppm)	Sediment Type	Geology/Remarks
Cluster IV	C29677	721.9	Wet spring	Crestone Peak area of Sangre de Cristo Mtns. Samples from area underlain by Precambrian metasediments or near contact with Permo-Pennsylvanian Sangre de Cristo formation.
	C29672	45.9	Wet stream	
	C29678	20.4	Wet stream	
	C29679	16.9	Wet stream	
	C29675	16.7	Wet spring	
	C29682	13.6	Wet stream	
	C29673	12.3	Wet stream	
Cluster V	C29312	241.9	Wet spring	Culebra Range cluster underlain predominantly by Precambrian metamorphic rock with some samples from near or over Permo-Pennsylvanian Sangre de Cristo formation.
	C29332	113.2	Wet spring	
	C29331	94.3	Wet spring	
	C29325	81.9	Wet stream	
	C29329	47.2	Wet spring	
	C29295	34.6	Wet spring	
	C28949	29.8	Wet stream	
	C29538	27.7	Wet stream	
	C29309	22.5	Wet stream	
	C29304	21.7	Wet spring	
	C29330	21.3	Wet spring	
	C29537	20.6	Wet stream	
	C29767	20.5	Wet stream	
	C29319	19.6	Wet spring	
	C29316	15.6	Wet stream	
	C29310	15.2	Wet stream	
	C29326	14.9	Wet stream	
	C29481	14.5	Wet stream	
	C29324	13.0	Wet stream	
	C29618	13.0	Wet natural pond	
	C28739	12.8	Wet stream	
	C29377	12.7	Wet stream	
	C29323	12.3	Wet stream	
Others	C28771	26.2	Dry stream	In pediment and alluvial gravels west of Culebra Range.
	C28882	12.4	Dry stream	
	C29402	14.2	Wet spring	Huerfano Park and Raton basin.
	C28001	13.9	Dry stream	
	C29176	13.5	Wet spring	
	C29421	12.4	Wet spring	
	C29448	38.8	Wet stream	East flank of Wet Mountains near Rye over Precambrian and Cretaceous rock.
	C29426	14.4	Wet stream	
	C29447	12.1	Wet stream	

into Clusters IV and V, which are outlined on Plate III; the other nine are from isolated individual locations. As was done with the waters, all sediments are considered as one population for the evaluation of the uranium data from the Trinidad quadrangle.

Seven locations which produced anomalous sediment samples form Cluster IV, situated south of the King Midas No. 8 occurrence in the northern part of the Sangre de Cristo Range. Five of these are near the faulted contact between the Permo-Pennsylvanian Sangre de Cristo formation and Precambrian metasediments; one of them (C29677) provided a sediment with 722 ppm uranium, the highest reported from the Trinidad quadrangle. Samples with uranium concentrations similar to those in Cluster IV have likewise been reported for locations in these same formations of the Sangre de Cristo Range in the Pueblo quadrangle, north of Cluster IV (Shannon, 1978). Structural traps formed by faults and other fractures are known to accumulate uranium-bearing minerals (Smith, 1974), which may account for these high values.

Cluster V, in the Culebra Range of the Sangre de Cristo Mountains (south of Veta Pass), contains 23 locations where sediment samples have more than 12 ppm uranium. None of the three documented uranium occurrences in Permian sedimentary rock in the Culebra Range are in this cluster; Fan Dyke No. 1 and Spanish Peaks are on the east slope of the mountains, while Loco Alice is on the west slope but north of the cluster. Nineteen of the anomalous uranium values in sediments are from areas underlain by Precambrian rock, and sixteen of these are on the west slope of the mountains; the other four are from areas of Quaternary rocks further west. Every drainage in the cluster on the west slope of the mountains has at least one anomalous sediment. Trinchera Creek and its tributaries at the north end and Culebra, Vallejos, and San Francisco Creeks at the south end of the cluster each have four. Several near-anomalous sediments are also in and west of the cluster, particularly along Ventero Creek, where it is intersected by an inferred fault.

The other anomalous samples come from isolated locations and are not considered likely to be of great significance. However, three locations (C29448, C29426, and C29446) are along two separate drainages in a small outcrop of Precambrian hornblende gneiss and amphibolite on the east flank of the Wet Mountains. Of the several other exposures of this rock in the quadrangle (all are small), only that along Trinchera Creek had samples taken directly from it. This area, which is in Cluster V, produced high uranium values. No known occurrences are located in this immediate area, but there are documented occurrences in the Wet Mountain Precambrian core, immediately north of 38°N latitude in the Pueblo quadrangle (Simon, 1956).

VI. SUMMARY AND CONCLUSIONS

Natural water and waterborne sediment samples were collected from 1768 locations over the 19 600-km^2 area of the Trinidad quadrangle. The sampling was carried out in two phases--during the spring and summer of 1976 and in the fall of 1977. The density of sample locations averaged 1 per 11 km^2, and 1060 water samples and 1240 waterborne sediment samples were taken, for a total of 2300 samples. Of these, 58 waters and 39 sediments have uranium concentrations above an arbitrary anomaly threshold of 20 ppb and 12 ppm, respectively.

The uranium data of this study correlate significantly with known uranium occurrences in the Trinidad quadrangle and the data from other LASL HSSR reports. Of the eight reported occurrences, four are reflected in the high uranium contents in individual water samples taken near them, three had no samples taken nearby, and one was not detected in samples down-drainage. However, all the reported occurrences are near clusters of locations that produced anomalous water or sediment samples. The uranium values in the water samples from the mountains are generally low compared to those from the basins, but the uranium concentrations in the sediment samples from the mountains are generally higher. This general observation was reported earlier for other areas of similar geology and topography (Morris, 1977; Broxton and Bolivar, 1978).

The evaluation of data in this report is not intended to be in depth, but rather to provide some "ground truth" and generally verify the data while delineating clusters of water and sediment samples that have high uranium concentrations in their respective total populations. It is recognized that each total population may contain several individual ones, perhaps corresponding to exposures of the various rock types, geomorphic provinces, topography, sample source type, etc., each of which could have its own "anomaly threshold." Therefore, a more detailed evaluation could greatly enhance the value of the data reported, particularly in such areas of near-anomalous samples as that along the Cucharas River.

Nevertheless, on the basis of the evaluation, further investigations are recommended for the areas in the Apishapa uplift, Huerfano Park, and San Luis Valley that are delineated by clusters of anomalous water samples. The Apishapa uplift group is the largest and has the most anomalous samples, but because of the shales exposed in the area and the generally high level of dissolved solids in the water, it may not be the most important. The Huerfano Park area is surrounded by three known uranium occurrences (two that have produced uranium) and is in a basin of Tertiary sandstones. The San Luis Valley area is small but is clearly defined in a background of relatively low uranium concentrations in water.

Based on the sediment data, further field studies are recommended for the entire west slope of the Culebra Range and for the Crestone Peak area in the Sangre de Cristo Range. Both these areas have suitable source rocks and their similarity in geologic setting to that of the Schwartzwalder deposit in the Front Range, which has uranium mineralization occurring in fractures in Precambrian metamorphic rock (Smith, 1974), is striking: Precambrian rocks in thrust contact with those of Permo-Pennsylvanian age.

Although the area on the east slope of the Wet Mountains is not markedly evidenced by a broadly defined anomaly cluster, further sediment sampling to study the gap that exists between the three locations providing anomalous samples reported here and North Peak and Greenhorn Mountain, to the west, would seem worthwhile. This is primarily because of its similarity to the Trinchera Creek area in the Culebra Range cluster, where comparable geologic features as well as locations with anomalous sediment samples also occur.

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APPENDIX A

SUMMARY OF STANDARD LASL HSSR FIELD AND ANALYTICAL PROCEDURES

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SUMMARY OF STANDARD LASL HSSR FIELD AND ANALYTICAL PROCEDURES

I. FIELD PROCEDURES

Water Sampling

Water samples are taken directly from the source wherever possible, filtered through a 0.45-μ membrane filter into one each, prewashed and sealed, 41-ml reactor "rabbit" and 25-ml vial (both polyethylene), and both are then acidified to a pH of ≤1 with 8N, reagent-grade, HNO_3. All sample containers are doubly labeled with preprinted, adhesive labels carrying the same sample location number preprinted on the field data form. Springs are sampled as near to their point of emergence as possible; stream waters are taken from fast-flowing current away from the bank; ponds (including small lakes and reservoirs) are sampled from just below the surface, away from the bank; and well waters are taken near the wellhead if the well is pumping or from a holding tank if not.

Sediment Sampling (Wet or Dry)

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 closely adjacent spots at each location. This is done with a polyethylene scoop, after the water sample (if any) is taken. The sediment is put into a new, clean, and originally sealed, rip-top polyethylene bag and 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 stainless steel sieves to -100 mesh. The -100 mesh fraction is put into a prewashed, 25-ml polyethylene vial, appropriately double-labeled (using labels from the data form), and sealed for shipment to the LASL.

Field Measurements

The air temperature, taken 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-tenth degree Celsius. All temperature measurements are made with quality, precalibrated thermometers. The pH of the source water is measured with a calibrated, portable pH meter or multi-range pH paper, and recorded to the nearest one-tenth of a pH unit. The specific conductance (μmho/cm) of the source water is measured with a calibrated, temperature compensated (25°C) portable meter after the attached sample cup has first been rinsed three times in the source water. The scintillometer readings, taken on a flat, dry spot within a few meters of the sample location, are measured with a portable scintillometer. 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 a calibration factor obtained from testing of the specific scintillometer on a calibration block) to give the equivalent uranium (eU) value set forth in the data listing.

Field Observations

These represent the best subjective judgment of the field sampler on location, and include very general descriptions of the local bedrock, sediment, water, vegetation, terrain, weather, possible contaminants, and water well configuration, if applicable. Since these observations are subjective and made quickly in the field they should be held subordinate to any 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 locations symbolically premarked at the LASL. The maps are normally USGS quadrangles (either 7.5' or 15'), but where not available, Forest Service, State Highway, or other reasonably detailed maps are provided. As each location is sampled, a unique sample location number, preprinted on transparent adhesive labels provided with the identically numbered field data forms, is pasted over the precisely marked site on the field map. The latitude and longitude of each location is computed by the sampling contractor. Every location is later checked (and corrected if necessary) at the LASL by overlaying computer-produced location plots on the field maps used. The latitudes and/or longitudes are corrected if the overlay locations are displaced by more than 300 m from the locations marked on the field maps. When a desired location cannot be sampled as specified, an alternate sample type or location 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 verification, then, is carried out in the same manner.

II. ANALYTICAL PROCEDURES

Water Samples Analyzed for Uranium by Fluorometry

In a controlled laboratory environment, two NaF (98%)-LiF (2%) flux pellets are prepared and placed on platinum dishes. The 25-ml water vial is shaken vigorously and two 0.20-ml aliquots of water are withdrawn and dropped onto the flux pellets, then evaporated under a heat lamp. The sample fluxes are then heated until fused. After they cool, they are excited with ultraviolet radiation in the fluorometer, and the fluorescence of each is read, recorded, and put through a computer routine using standards and blanks run at the same time to obtain the two uranium concentrations. The single uranium concentration of the water samples given in the data listing is the average obtained from the duplicate aliquots. The lower limit of detection for each aliquot by the normal procedure is 0.2 ppb. (Several samples with less than 0.2 ppb were reanalyzed using a concentration method that lowers the lower detection limit to 0.02 ppb; the numbers in parentheses that follow are for those samples.) When a lower concentration than 0.2 ppb (0.02 ppb) is found in an aliquot, it is arbitrarily averaged into the data listings as 0.1 ppb (0.01 ppb). Therefore, whenever the uranium concentration in a water sample run by fluorometry is given as some value less than 0.2 ppb (0.02 ppb), one of the two aliquots had a uranium concentration that was too low to detect. If the listed uranium value is 0.1 ppb (0.01 ppb), both aliquots were below the detectable limit. Analytical precision at the lower limit of detection is $\sim$30%; however, it improves to $\sim$10% one order of magnitude above the lower limit.

Water Samples Analyzed for Uranium by Delayed-Neutron Counting

Only waters from the western portion of the quadrangle found by fluorometry to have >10 ppb uranium, those from the eastern portion found to have

>40 ppb uranium, or those with interference problems were assayed using DNC. Samples taken in the 41-ml rabbits are thoroughly cleaned (exterior) before analysis. Samples received in 25-ml vials (used exclusively in some of the early work) 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 rabbits are then loaded into a 25-sample transfer clip. The reactor pneumatic transfer system and background radiation levels are checked, and the system is calibrated using four standards. The transfer clip is installed on the pneumatic feed line, and the count control is set (typically, a 60-s irradiation, a 30-s delay, and a 60-s count are used, but this can be changed to accommodate abnormally high or low uranium concentrations). The samples are cycled through the system and the uranium concentration is automatically measured, computed in ppb, and entered into the data base. Analytical precision for those few waters analyzed by the DNC method is as good or better than that by fluorometry.

Statistical treatments of uranium concentrations obtained on the same suites of samples both by fluorometry and DNC have shown that there is no significant difference between results of the two analytical methods as used at the LASL. This analytical comparability is rechecked periodically.

Uranium Analysis of Sediment Samples

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 (less the tare), and recorded along with the appropriate location number. The readied rabbits are loaded into a 50-sample transfer clip. The reactor pneumatic transfer system and background radiation levels are checked, and the system is calibrated as above. The transfer clip is installed and the count control is set (typically, a 20-s irradiation, a 10-s delay, and a 20-s count are used). The samples are cycled through the system and the uranium concentration is automatically measured, computed in ppm, and entered into the data base. The lower detection limit for uranium in sediment analyzed by the DNC method is 0.5 ppb (not ppm), and is so low that it has never been reached with a natural sediment sample. Using the DNC method for uranium in sediments, the precision is 4% or better for all analyses.

APPENDIX B

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS FOR WATER SAMPLES

(See Appendix D for Code to Listings)

APPENDIX B. 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-DATE-HOUR-AIR TEMPERATURE-WATER TEMPERATURE-COMMENTS-SPECIAL MEASUREMENTS-pH-SPECIFIC CONDUCTANCE-...)	U CONCENTRATION: WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08-37.2978-104.8606-2-08-	0-C28002-10/03/77-20- 10-13.5- - - 7.3- 550- 6-1-2-3-6- - -1- -3-2-3-1- -3-1- 6- - -	0.44
08-37.4275-104.6051-2-08-	0-C28005-10/04/77- 7- 12- 8.9- - - 7.8- 2200- 12-1-1-5-1- - - -3-3-3-1-1- -1-1- 2- - 25-	2.37
08-37.4300-104.5916-2-08-	0-C28006-10/04/77- 7- 11-14.4-C- - 7.7- 5030- 13-1-1-4-1-2-3-2-3-2-2-1-1- -1-1- 6- - -	24.90*
08-37.4872-104.5600-2-08-	0-C28007-10/04/77- 7- 13- 9.6-C- - 8.8- 5100- 69-1-1-4-1-2-3-1-3-4-3-2-1- -1-1- 3- - -	0.20*
08-37.4106-104.5303-2-08-	0-C28012-10/04/77-10- 17-17.1- - - 7.1- 4050- 69-1-1-4-6-2-3-1-3-4-3-1-1- -1- - 6- - 35-	22.70*
08-37.3753-104.6192-2-08-	0-C28015-10/04/77-10- 18-15.0-C- - 7.7- 7000- 86-1-6-4-1- - -1-2-4-3-2-2- -1-1- 3- - -	12.90*
08-37.2175-104.5358-2-07-	0-C28017-10/04/77-12- 17-12.2-C- - 7.8- 800- 150-1-1-3-1-2-2-1-2-1-3-3-2- -1- - - - -	1.14
08-37.1447-104.4947-2-06-	0-C28027-10/04/77-15- 10- -C- - 7.9- 2600- 139-1-2-5-8-2-2-1-2-1-3-3-2- -1- - - - -	2.50
08-37.1581-104.4583-2-08-	0-C28029-10/04/77-16- 21-14.8-C- - 7.2- 1270- 139-1-2-5-6-3-3-1-3-1-3-3-2- -1-1- - - -	1.57
08-37.2189-104.3914-2-08-	0-C28035-10/04/77-17- 17- - - - 8.7- 5100- 10-1-2-5-6-2-2-2-3-3-3-1-3- -1-1- 6- - -	0.34
08-37.2356-104.6542-2-06-	0-C28041-10/05/77- 8- 9- 7.6-C- - 5.0- 550- 81-1-2-4-6-2-3-1-2-1-3-3-3- -1- - - - -	0.93
08-37.2006-104.6747-2-06-	0-C28042-10/05/77- 8- 9- 7.5- - - 7.9- 1400- 115-1-2-4-6-3-3-1-2-4-3-3-3- -1- - - - -	0.97
08-37.2197-104.6950-2-07-	0-C28043-10/05/77- 8- 10- 9.0- - - 5.8- 610- 92-1-1-5-6-2-3-1-2-4-3-3-3- -1- - - - -	0.21
08-37.2386-104.7306-2-08-	0-C28044-10/05/77- 9- 10-10.5-C- - 5.6- 600- 75-1-1-5-6- - -1-2-4-3-3-3- -1-1- 6- - -	0.89
08-37.1350-104.6556-2-07-	0-C28046-10/05/77- 9- 11-11.0-C- - 7.6- 1150- 162-1-2-3-6-2-3- -2-4-3-3-3- -1- - - - -	1.45
08-37.1636-104.6839-2-06-	0-C28048-10/05/77- 9- 11-11.5-C- - 7.9- 1200- 121-1-2-6-6-2-3- -2-4-3-3-3- -1- - - - -	2.74
08-37.1992-104.7200-2-06-	0-C28051-10/05/77- 9- 11-13.5-C- - 6.2- 950- 6-1-2-4-7-2-2-1- -4-3-3-3- -1- - - - -	1.70
08-37.1381-104.7106-2-06-	0-C28055-10/05/77-10- 13-12.3-C- - 5.2- 1340- 127-1-2-4-6-2-3-1-2-6-2-3-2- -1- - - - -	1.87
08-37.1333-104.7654-2-07-	0-C28057-10/05/77-10- 14-16.0- - - 7.4- 700- 57-1-1-3-6- -2- -2-6-2-3-2- -1- - - - -	0.69
08-37.1617-104.7764-2-06-	0-C28059-10/05/77-12- 13-19.0-C- - 8.0- 700- 115-1-2-3-6-2-3-1-2-4-2-3-2- -3- - - - -	1.61
08-37.1589-104.8056-2-06-	0-C28060-10/05/77-12- 13-12.5-C- - 7.5- 675- 18-1-2-5-6- - -1-2-1-2-3-2- -1-1- 6- - -	1.70
08-37.1928-104.7954-2-06-	0-C28062-10/05/77-14- 14-22.5- - - 7.6- 550- 8-1-1-5-5-2-2-1-2-1-3-3-3- -1- - - - -	1.43
08-37.2375-104.7839-2-06-	0-C28064-10/05/77-14- 13-10.0-C- - 5.6- 675- 12-1-1-5-8-2- -1- -4-4-2-4- -1- - - - -	0.77
08-37.2425-104.8703-2-08-	0-C28067-10/05/77-15- 13-15.0- - - 7.0- 600- 133-1-1-5-6- -3-1-2-1-3-3-3- -1-1- 2- 30- 25-	0.29
08-37.2411-104.8361-2-06-	0-C28070-10/05/77-16- 12-14.5-C- - 7.2- 920- 8-1-1-6-8-2-3-1-2-4-3-3-3- -3- - - - -	1.58
08-37.1361-104.8514-2-07-	0-C28073-10/05/77-17- 10-12.3-C- - 6.8- 700- 92-1-2- - -2-3- -2-4-3-3-3- -1- - - - -	0.54
08-37.1378-104.8147-2-08-	0-C28074-10/05/77-18- 11-13.8- - - 8.2- 1000- 162-1-2-5-6- - -1-2-4-2-3-3- -1-1- 6- - -	0.27
08-37.0303-104.3194-2-06-	0-C28077-10/08/77- 9- 7- 6.5-C- - 7.6- 390- 173-3-6-5-6-2-2-1- -1-4-4-1- -1- - - - -	0.50
08-37.0400-104.3251-2-06-	0-C28078-10/08/77- 9- 9- 8.0-C- - 5.7- 135- 8-3-7-4-6-2-2-1- -2-3-6-1- -1- - - - -	0.42
08-37.0594-104.3351-2-06-	0-C28079-10/08/77-10- 9- 5.0-C- - 5.8- 1550- 11-1-2-5-8-2- -1- -1-4-4-1- -1- - - - -	0.90
08-37.0558-104.3369-2-06-	0-C28080-10/08/77-10- 9- 8.5-C- - 5.9- 510- 162-3-6-5-8-2-2-1- -1-4-3-1- -1- - - - -	0.42
08-37.8233-104.7592-2-08-	0-C28081-10/09/77- 9- 11-12.1-C- - 5.3- 750- 185-1-1-3-6- - -1-1-4-3-2-3- -1-5- - - -	9.10
08-37.8192-104.7492-2-06-	0-C28082-10/09/77-10- 11-11.1- - - 7.4- 1040- 92-1-1-5-8-2-3-1-2-2-3-3-3- -1- - - - -	19.10*
08-37.8386-104.7292-2-06-	0-C28084-10/09/77-10- 11-10.5-C- - 7.0- 7800- 133-1-7-5-6-2-3-6-2-1-2-3-3- -1- - - - -	53.80*
08-37.8533-104.7058-2-07-	0-C28085-10/09/77-11- 16-17.7- - - 5.9- 3000- 106-1-1-5-6-2-2-1-2-4-3-2-2- -1- - - - -	5.30
08-37.0950-104.2281-2-07-	0-C28089-10/08/77-11- 20-16.5-C- - 5.7- 5020- 9-1-6- - -2-2-1-2-4-3-2-2- -1- - - - -	43.30*
08-37.0433-104.2061-2-06-	0-C28090-10/08/77-12- 19-13.0- - - 7.8- 720- 92-1-8-5-6-3- -1-2-1-3-3-2- -1- - - - -	1.16
08-37.9400-104.6667-2-08-	0-C28093-10/09/77- 7- 4-17.0-C- - 7.2- 1400- 15-1-7-5-6- - -1- -4-3-2-1- -1-3- 8- - -	1.83
08-37.9978-104.6850-2-06-	0-C28094-10/09/77- 7- 6- 4.0- - - 5.4- 1500- 57-1-1-3-1-2-3-1-2-1-3-3-1- -1- - - - -	3.67
08-37.9731-104.7386-2-06-	0-C28095-10/09/77- 7- 5- 8.0- - - 6.4- 4950- 60-1-7-3-7-2-3-1-2-1-3-3-1- -1- - - - -	20.80*
08-37.9369-104.7333-2-08-	0-C28096-10/09/77- 7- 11-14.0-C- - 5.7- 630- 121-1-7-3-7-3-3-1-3-2-2-1-2- -1-4- 8-550-500-	1.53
08-37.9303-104.7264-2-08-	0-C28097-10/09/77- 9- 11-14.5- - - 7.6- 4025- 106-1-7-5-6- - -1- -4-3-2-1- -1-1- - - -	44.20*
08-37.9419-104.6500-2-06-	0-C28100-10/09/77- 8- 12- 7.5-C- - 6.8- 1300- 98-1-1-6-8-2-2-2-2-1-3-2-2- -1- - - - -	2.68
08-37.9206-104.6947-2-06-	0-C28101-10/09/77- 8- 11-12.0-C- - 6.2- 2650- 5-1-1-5-6-2-2-2-2-6-3-3-2- -3- - - - -	0.82
08-37.8794-104.6947-2-08-	0-C28102-10/09/77- 8- 11-14.0- - - 5.8- 1270- 168-1-1-5-6- - -1- -4-3-2-2- -1-3- 6- - -	15.80*
08-37.8808-104.7199-2-08-	0-C28103-10/09/77- 9- 12-12.0- - - 5.1- 4050- 11-1-2-3-6- - -1- -4-3-2-2- -1-1-30- - 30-	8.50*
08-37.8756-104.6375-2-08-	0-C28104-10/09/77-14- 10-16.0- - - 7.5- 1550- 139-1-2-5-6-2- -1- -4-3-2-2- -1-9- 1- - -	6.06
08-37.9950-104.2850-2-08-	0-C28106-09/30/77-17- 32-22.1-C- - 5.5- 1300- 17-1-1-5-6- - -1- -4-4-2-2- -9-1- 6- 40- 30-	0.36
08-37.9561-104.3253-2-08-	0-C28111-09/30/77-19- 24-18.1-C- - 5.1- 1530- 35-1-1-5-6- - -1- -3-3-2-2- -9-1-10-300-280-	0.22
08-37.8542-104.6691-2-08-	0-C28114-10/09/77-15- 21-16.9- - - 7.2- 1100- 16-1-1-3-1-2- -1-3-3-3-2-2- - -1-30- - -	29.60*
08-37.8389-104.6359-2-08-	0-C28115-10/09/77-16- 29-15.5-C- - 7.1- 2390- 11-1-1-4-1- - -3- -4-2-2-2- -9-1- 6- 15- -	29.10*

APPENDIX B (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER (STATE - LATITUDE - LONGITUDE - DOE LAB - SAMPLE TYPE - REP. CATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA		U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DN, UNITS IN ppb
08-37.8097-104.6761-2-08-	0-C28116-10/09/77-16- 24-15.5- - - 7.1- 700-	13-1-1-3-6- - -1- -4-3-2-2- -1-5- 6- 50- 45-	3.55
08-37.8158-104.7025-2-08-	0-C28117-10/09/77-17- 18-14.8- - - 5.9- 850-	16-1-7- -7-2-2-1-2-1-3-2-2- -3- - - - -	1.70
08-37.7900-104.6619-2-08-	0-C28119-10/09/77-18- 16-13.5- - - 7.1- 1050-	11-1-1-3-1- - -1-3-2-3-2-2- - -3- 6- 50- 40-	7.00
08-37.7664-104.6794-2-08-	0-C28120-10/09/77-19- 15-17.1-C- - 7.5- 2430-	13-1-1-5-6- - -1- -3-3-2-5- - -9- 6- - 50-	21.90*
08-37.8222-104.6247-2-08-	0-C28122-10/02/77-15- 18-13.8-C- - 5.4- 1090-	69-1-1-5-6-2- -5- -4-3-2-2- -3-1- 6- - -	2.08
08-37.7358-104.3150-2-08-	0-C28124-10/01/77-15- 22-17.9-C- - 8.1- 750-	13-1-1-5-6- - -1- -2-3-2-1- - -1- 6-100- 90-	3.65
08-37.7428-104.2703-2-06-	0-C28125-10/01/77-15- 22-19.0-C- - 7.4- 1100-	6-1-1-4-8- - - - -1-3-3-1- -3- - - - -	1.03
08-37.7433-104.3711-2-06-	0-C28126-10/01/77-15- 22-14.6- - - 6.6- 1000-	11-1-1-3-6-1- -5- -1-3-3-1- -3- - - - -	0.42
08-37.7119-104.3636-2-08-	0-C28127-10/01/77-16- -12.9- - - 5.6- 900-	15-1-1-5-6- -3-1- -4-3-2-1- - -1- 8- 60- 55-	1.17
08-37.7094-104.3314-2-08-	0-C28128-10/01/77-19- 10-13.9- - - 5.8- 300-	12-1-1- - - - -1- -3-2-2-1- - -1- - - -	2.15
08-37.7136-104.3022-2-08-	0-C28129-10/01/77-19- - 9.8-C- - 7.5- 1950-	20-1-1-5-6-6- - -2- -4-2-2-1- -3-1- 5- 40- 35-	4.17
08-37.6878-104.3008-2-06-	0-C28131-10/02/77- 8- 16- 9.2-C- - 4.0- 310-	13-1-1-5-1- - -6- -2-2-2-1- - -1- 6- - -	15.10*
08-37.7006-104.2628-2-06-	0-C28132-10/02/77- 9- 27-15.0- - - 5.0- 750-	3-1-1-6-6- - -2- -1-3-3-2- -3- - - - -	4.00
08-37.6739-104.2789-2-08-	0-C28133-10/02/77-11- 25-14.8- - - 5.9- 1530-	24-1-1-5-6- - -1- -4-2-2-2- - -1- 6- - -	1.13
08-37.6856-104.3289-2-08-	0-C28134-10/02/77-11- 18-13.2- - - 3.9- 1330-	13-1-1-5-6- - -1- -4-3-2-2- -9-1- 6- 40- 35-	8.23
08-37.6725-104.3503-2-08-	0-C28135-10/02/77-12- 19-15.9- - - 5.2- 930-	10-1-1-6-6- - -1- -3-2-2-1- - -1- 6- 40- 35-	5.76
08-37.6394-104.3699-2-06-	0-C28136-10/02/77-12- 21-15.0- - - 5.8- 1720-	10-1-1-6-6-2-3-2-2-4-5-3-1- -3- - - - -	1.99
08-37.6528-104.3217-2-08-	0-C28137-10/02/77-13- 28-12.9- - - 7.1- 1760-	10-1-1-3-6- - - - -1-2-2-1- -3- - - - -	12.40*
08-37.6417-104.2091-2-06-	0-C28138-10/02/77-14- 26-16.0- - - 5.7- 1400-	15-1-1-6-8- - - - -1-3-2-1- - - - - -	1.04
08-37.6522-104.2651-2-06-	0-C28139-10/02/77-14- -17.0- - - 4.0- 2400-	9-1-4-3-3- - -6- -1-3-3-1- -3- - - - -	2.62
08-37.6272-104.3331-2-08-	0-C28140-10/02/77-16- -16.0- - - 5.0- 2100-	10-1-1-6-6- - - - -1-3-2-1- -9-1-50- - -	0.73
08-37.6294-104.2722-2-08-	0-C28141-10/02/77-16- 24-16.0- - - 6.0- 2720-	18-1-1-5-6- - - - -2-2-2-1- -3-1- 6- 30- 25-	2.38
08-37.5075-104.2658-2-08-	0-C28142-09/28/77-17- 25-17.9-C- - 7.0- 875-	20-1-7-5-8- - -1- -1-3-3-2- -1-1- 6- - -	0.71
08-37.5211-104.2897-2-08-	0-C28143-09/28/77-17- 26-20.3- - - 7.0- 1400-	10-1-7-5-8- - -1- -3-3-3-2- -1-1- 6-160-150-	1.44
08-37.5411-104.2717-2-08-	0-C28144-09/28/77-16- 26-21.9-C- - 7.0- 2875-	9-1-7-5-8- - -1-2-4-5-2-2- -1-1- 6- - -	9.71
08-37.5700-104.2942-2-08-	0-C28149-09/29/77-17- 22-15.8- - - 7.2- 2010-	12-1-7-5-6-3-3-1-3-4-4-2-2- -1-1- 6- - -	0.81
08-37.8283-104.5439-2-06-	0-C28154-10/11/77-10- 8- 6.5-C- - 7.3- 250-	57-1-6-5-6-2-2-1-2-1-3-3-1- -1- - - - -	0.18
08-37.8442-104.5492-2-08-	0-C28155-10/11/77-11- 10- 8.0-C- - 8.0- 900-	-1-6-5-6- -2-1- -4-3-2-1- -3-4- 6- 90- -	27.10*
08-37.8519-104.5197-2-06-	0-C28156-10/11/77-12- 11- 7.5-C- - 5.4- 500-	6-1-6-6-6-2-3-1-2-4-4-3-1- -1- - - - -	3.14
08-37.8492-104.6078-2-06-	0-C28157-10/09/77-16- 18-14.5-C- - 5.5- 1000-	11-1-1-5-6- - -1- -4-3-2-2- -1-1- 6- - -	4.80
08-37.8469-104.5689-2-07-	0-C28158-10/09/77-16- 16-12.5- - - 5.5- 1200-	139-1-1-4-6-3-3-1-2-4-3-4-2- -1- - - - -	3.40*
08-37.8592-104.7259-2-07-	0-C28161-10/09/77-15- 20-13.0- - - 7.8- 6300-	12-1-7-3-7-2-2-1-2- -3-3-2- -3- - - - -	2.64
08-37.6294-104.0294-2-06-	0-C28163-09/29/77-10- 25-18.0- - - 5.8- 2150-	13-1-1-4-6-3-3-1-3-3-3-2-1- -9-4- 6- 27- 10-	3.40
08-37.7597-104.2203-2-08-	0-C28164-09/29/77-14- 31-18.8- - - 7.0- 750-	17-1-6-3-6-3-3-1-3-1-3-3-2- -1-7-80- - 12-	3.26
08-37.4006-104.1178-2-08-	0-C28165-09/27/77-10- 24-17.8-C- - 5.7- 1750-	6-1-6-5-6-4- -1- -7-3-3-2- -1-6- 8-260-225-	0.31
08-37.4003-104.0854-2-08-	0-C28167-09/27/77-10- 27-15.4-C- - 7.1-21000-	26-1-6-5-6- - -1- -3-3-3-2- -1-1- 12- - -	8.72
08-37.3867-104.0494-2-08-	0-C28168-09/27/77-10- 27-16.0- - - 5.7- 1500-	17-1-6-5-6- - -1- -4-3-3-2- -1-1- 6- - -	1.03
08-37.4153-104.0481-2-06-	0-C28170-09/27/77-11- 29-17.2- - - 7.7-14000-	9-1-6-5-6- - -1- -3-3-2-2- -1- - - - -	24.10*
08-37.4153-104.0078-2-08-	0-C28171-09/27/77-11- 28-15.8-C- - 5.6- 2300-	9-1-6-5-6- - -1- -4-3-2-2- -1-1- 6- - -	1.65
08-37.4897-104.0150-2-06-	0-C28172-09/27/77-16- 20-22.0-C- - 7.0- 6000-	9-1-7-3-6- - -1- -3-2-3-3- -1-3- 6- - -	3.90
08-37.4708-104.0397-2-08-	0-C28174-09/27/77-18- 25-20.8-C- - 5.9- 6500-	6-1-7-3-6- - -1- -3-3-3-3- -1-4- - - -	6.02
08-37.4381-104.0856-2-08-	0-C28176-09/28/77-10- 24-14.0-C- - 5.9- 2200-	10-1-6-3-6- - -1- -4-3-2-1- -1-1- 6-260-240-	1.47
08-37.3906-104.0336-2-08-	0-C28178-09/28/77-11- 27-15.2-C- - 5.7- 1700-	13-1-6-5-6- - -1- -4-3-2-2- -1-1- 6-290-270-	0.53
08-37.4244-104.2911-2-08-	0-C28179-09/28/77-11- 28-14.0-C- - 7.2- 875-	13-1-7-3-6- - -1- -4-4-2-1- -1-1- - - -	0.01
08-37.3961-104.1814-2-08-	0-C28181-09/27/77- 9- 25-15.7-C- - 6.0- 1200-	13-1-6-5-6-4- -1- -3-3-1-2- -1-3- 6-420-420-	0.42
08-37.4250-104.1583-2-08-	0-C28182-09/27/77-14- 29-16.0-C- - 5.7- 1800-	13-1-1-5-6- - -1- -4-3-1-2- -1-1- 6- - -	0.21
08-37.4500-104.2036-2-08-	0-C28184-09/28/77-12- - -C- - 5.7- 900-	23-1-7-3-6- - -1- -4-3-2-1- -1-9- 8-750-700-	0.21
08-37.4528-104.2314-2-06-	0-C28187-09/29/77-10- 27-19.8- - - 5.6- 850-	127-1-1-5-1-3-3-1-3-4-4-1-1- -1-9- 6-750-700-	0.07
08-37.4967-104.1500-2-08-	0-C28188-09/28/77-12- 29-16.9-C- - 7.1- 238-	9-1-7-3-6- -2-1- -4-3-1-2- -1-7-40- 12- 9-	0.42
08-37.5381-104.2347-2-06-	0-C28191-09/28/77-14- 30-19.3-C- - 5.9- 2700-	10-1-7-5-6- - - -2-3-3-3-2- -1- - - - -	3.69
08-37.5314-104.1817-2-08-	0-C28193-09/29/77-11- 28-16.9-C- - 8.0- 1900-	106-1-1-5-6-1-3-2- -6-3-2-1- -1-3- 6- - -	0.75

APPENDIX B (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-SPEC. A MEAS. REMEASURED-pH-SPECIFIC CONDUCTANCE-...)	U CONCENTRATION: WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08-37.5769-104.1567-2-06-	0-C28194-09/29/77-12- 26-13.8-C- - 5.9- 2400- 127-1-1-3-1-2-3-1-2-1-3-3-1- -1- - - - -	6.40
08-37.5794-104.1333-2-06-	0-C28196-09/29/77-12- 27-17.1- - - 5.5- 1500- 104-1-1-5-1-2-3-1-3-4-3-2-1- -1-1- 6- - -	0.89
08-37.5472-104.2678-2-06-	0-C28199-09/29/77-16- 24-23.9- - - 7.3- 1975- 10-1-1-6-7-2-2-1-2-2-3-2-2- -1- - - - -	6.40*
08-37.6211-104.1356-2-06-	0-C28202-09/30/77- 9- 28-12.5- - - 7.5- 3100- 127-1-1-5-1-1-3-1-3-4-3-1-2- -1- - - - -	12.50*
08-37.5397-104.1251-2-06-	0-C28205-09/30/77-10- 27- - - - 7.4- 4900- 173-1-1-3-1- - -1-3-3-4-3-2- -1- - - - -	29.80*
08-37.5583-104.1036-2-06-	0-C28209-09/28/77-14- 24-21.0- - - 7.2- 1000- 173-1-1-5-6-2-3-1-3-1-2-2-1- -1-3- 6- - -	6.76
08-37.5464-104.0250-2-06-	0-C28213-09/28/77-16- 26-21.0- - - 7.8- 2800- 173-1-1-5-1-2-3-1-3-4-3-3-1- -1-1- 6- 15- 10-	4.39
08-37.5217-104.0453-2-06-	0-C28214-09/28/77-15- 23-21.5- - - 8.0- 330- 150-1-1-3-1-2-3-1-2-4-3-3-1- -1- - - - -	0.24
08-37.5017-104.0600-2-06-	0-C28215-09/28/77-18- 22-20.0- - - 7.2- 1350- 104-1-1-6-1-3-3-1-3-4-3-1-1- -1-3- 4- - -	0.21
08-37.7581-104.6494-2-06-	0-C28219-10/09/77-19- 21-12.0- - - 7.4- 2500- 10-1-1-5-6- - -1- -4-3-2-2- - - - 6- - -	9.21
08-37.6769-104.0244-2-06-	0-C28223-09/26/77-16- 24-15.0- - - 5.6- 1250- 92-1-1-5-1-3-3-1-3-3-2-2-2- -1-1- 3- - -	2.06
08-37.6800-104.0597-2-06-	0-C28225-09/26/77-15- 25-17.2- - - 8.0- 2580- 150-1-1-5-1-1-3-1-3-4-1-1-2- -1- - - - -	6.00*
08-37.6661-104.0808-2-06-	0-C28226-09/26/77-17- 24-17.5-C- - 9.9- 4450- 104-1-1-5-1-1-2-1-3-4-2-2-2- -1-1- 8- - -	19.90
08-37.7428-104.0617-2-06-	0-C28228-09/26/77-18- 23-20.0-C- - 7.4- 6100- 139-1-1-3-1-2-3-1-3-4-3-3-1- -1- - - - -	24.70*
08-37.7214-104.0350-2-06-	0-C28231-09/27/77- 9- 24-18.0- - - 7.1- 2150- 1675-1-1-5-9-2-3-1-3-4-3-3-1- -1-3- 5- - -	2.20
08-37.7128-104.1328-2-07-	0-C28233-09/27/77-14- 24-22.0- - - 7.8- 2140- 173-1-1-5-1-2-3-1-2-3-3-2-2- -1- - - - -	0.68
08-37.7325-104.1392-2-06-	0-C28234-09/27/77-14- 26- - - - 5.4- 155- 46-1-1-6-1-2-2-1-2-1-3-3-2- -1- - - - -	0.19
08-37.7347-104.1878-2-06-	0-C28235-09/27/77-15- 25-21.5-C- - 7.7- 1950- 81-1-1-5-1-2-3-1-3-1-2-3-2- -1-1- 6- - -	0.42
08-37.7189-104.2150-2-06-	0-C28236-09/27/77-16- 26-20.0- - - 8.4- 1000- 520-1-1-3-1-2-3-1-3-4-3-2-2- -1-1- 8- - -	31.60*
08-37.6978-104.1733-2-06-	0-C28237-09/27/77-17- 22-20.0-C- - 8.5- 1850- 127-1-1-5-6-1-2-1-3-4-2-3-2- -1-1- 6-270-200-	2.91
08-37.6544-104.1914-2-06-	0-C28239-09/27/77-17- 23-15.0-C- - 5.5- 500- 86-1-1-5-1-2-2-1-3-4-2-1-3- -1-1- 6- - -	2.17
08-37.6792-104.1308-2-06-	0-C28241-09/27/77-19- 21-18.0- - - 7.4- 2100- 91-1-1-5-1-2-2-1-3-4-2-2-2- -1-1- 6- - -	0.77
08-37.5806-104.0606-2-06-	0-C28246-09/28/77-12- 26-18.5- - - 9.0- 800- 139-1-1-3-1-2-3-1-3-4-3-2-1- -1-1- 6- - -	6.38
08-37.8647-104.2239-2-06-	0-C28249-09/29/77-18- 20-25.4-C- - 6.5- 800- 4-1-1-4-1-2-3-1-3-4-2-2-2- -9-4- 8- 30- 20-	0.21
08-37.7725-104.2333-2-06-	0-C28252-09/29/77-16- 31-22.7- - - 8.3- 153- 4-1-1-6-6-2-3-2-2-1-3-3-2- -3- - - - -	0.39
08-37.7533-104.2228-2-06-	0-C28253-09/29/77-13- 32-18.0- - - 5.7- 540- 15-1-6-6-7-1-3-2-3-3-3-3-2- -3- - - - -	2.80
08-37.7792-104.1789-2-06-	0-C28254-09/29/77-14- -18.5-C- - 5.7- 1350- 15-1-6-1-1-3-3-1-3-4-3-2-2- -1-3- 8- - -	1.30
08-37.7803-104.1409-2-06-	0-C28257-09/29/77- - 31-18.0-C- - 5.7- 1700- 13-1-1-5-6-3-3-3-3-4-3-2-2- -9-3- 8- - -	0.70
08-37.8436-104.1319-2-06-	0-C28261-09/26/77-17- 25-18.0- - - 7.6- 2190- 12-1-2-4-6-2-3-1-3-4-3-1-2- -9-3- 6- 80- 50-	0.37
08-37.8644-104.1150-2-06-	0-C28262-09/29/77-18- -21.3- - - 7.5- 2700- 12-1-6-5-6-3-3-1-3-3-3-1-2- - -3- 6- 60- 30-	17.80*
08-37.8067-104.0859-2-06-	0-C28265-09/27/77-11- 23- -C- - 7.[illegible]- 1810- 15-1-1-4-6-3-3-1-3-3-2-2-1- -9-3- 6- 35- 6-	5.13
08-37.7792-104.0186-2-06-	0-C28267-09/27/77- 9- 21-18.3-C- - 7.8- 2970- 9-1-1-4-1-1-3-1-3-4-3-2-1- -3- - - - -	0.37
08-37.7800-104.0083-2-06-	0-C28270-09/27/77- 8- 19-15.5-C- - 7.6- 2880- 12-1-1-4-6-1-3-1-2-3-3-3-1- -1- - - - -	0.53
08-37.7964-104.1183-2-06-	0-C28271-09/26/77-15- 27-17.5-C- - 7.5- 1590- 18-1-1-4-6-3-3-1-3-3-3-2-3- -9-1- 6- 35- 20-	2.75
08-37.8833-104.0286-2-06-	0-C28273-09/26/77-15- 34-19.1- - - 7.1- 600- 9-1-6-5-6-2-3-3-2-2-2-2-2- -3- - - - -	2.17
08-37.9281-104.0178-2-06-	0-C28275-09/26/77-19- 26-19.0-C- - 5.9- 2500- 12-1-6-5-6-3-3-1-3-3-3-2-2- -1-8-30- - -	8.67
08-37.8628-104.0851-2-06-	0-C28277-09/27/77-14- 27-21.6-C- - 7.3- 1400- 10-1-1-4-6- - -2-3-4-2-2-1- -1-4- 6-300-600-	0.14
08-37.9383-104.0678-2-06-	0-C28280-09/27/77-15- 26-21.0-C- - 7.6- 3650- 17-1-1-4-6- - -1- -3-4-2-2- -1- - - - -	0.52
08-37.9906-104.0586-2-06-	0-C28282-09/27/77-15- 30-15.5- - - 7.6- 4880- 10-1-1-4-6- - -6- -3-2-2-2- - -1- 4- 30- 20-	20.00*
08-37.9739-104.0856-2-06-	0-C28283-09/27/77-17- 30-15.5-C- - 6.4- 4650- 17-1-1-4-1- - -1- -3-4-1-2- -1-1- 6- 35- 25-	57.70*
08-37.8919-104.1703-2-06-	0-C28287-09/30/77-12- -21.3-C- -10.1- 550- 16-1-1- - - -3-6- -4-2-2-2- -9-4- 4- - -	0.20
08-37.8958-104.2091-2-06-	0-C28289-09/30/77-13- 33-19.5- - - 8.4- 2985- 9-1-1-5-6-3-3-2-3-3-3-3-2- -9-1-40- 30- 20-	12.80*
08-37.9206-104.2279-2-06-	0-C28291-09/30/77-13- 33-16.0-C- - 8.5- 1115- 15-1-1-5-6-3-3-1-3-4-3-2-2- -9-1- 8- 20- 15-	4.27
08-37.9767-104.1333-2-06-	0-C28293-09/30/77- - -22.2- - - 8.2- 6000- 10-1-1-4-1-3-3-1-3-2-3-2-2- -9-3- - - -	44.30*
08-37.9472-104.1328-2-06-	0-C28294-09/30/77-15- 34-10.5-C- - 7.0- 1330- 17-1-1-5-6-3-3-2-3-4-2-2-2- -9-3-10- - -	0.19
08-37.9406-104.1972-2-06-	0-C28297-09/30/77-16- -25.0- - -11.8- 7900- 17-1-1-4-1-3-3-2-3-4-2-2-2- -9-9- - - -	0.19
08-37.9883-104.2450-2-06-	0-C28298-09/30/77-16- -19.4- - - 6.3- 1350- 9-1-1-4-1-3-3-1-3-4-2-2-3- -9-9- - - -	0.52
08-37.6281-104.5808-2-06-	0-C28301-10/10/77- 8- 13-12.5-C- - 6.0- 1300- 46-1-1-3-6- -3-1-3-4-2-2-1- -1-1- 5- - -	3.50
08-37.7214-104.4839-2-06-	0-C28310-10/10/77-10- 11-14.0- - - 6.4- 2025- 10-1-1-5-6- - -1-2-4-2-2-1- -1-1- 2- - -	0.53
08-37.6867-104.4631-2-06-	0-C28312-10/10/77-10- 10-15.1- - - 7.2- 950- 115-1-1-5-6- - -1-2-4-2-2-2- -1-1- 2- - -	1.55
08-37.6561-104.4325-2-06-	0-C28314-10/10/77-10- 8-14.5-C- - 7.9- 700- 57-1-2-4-6-2-3-2-2-1-3-2-2- -1- - - - -	1.42

APPENDIX B (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER (STATE – LATITUDE – LONGITUDE – DOE LAB – SAMPLE TYPE – REP. CAT.)	LASL SAMPLE LOCATION NUMBER – TIME SAMPLED (DATE – HOUR) – FIELD DATA	FIELD DATA (continued)	U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC UNITS IN ppb
08-37.6394-104.3750-2-06-	0-C28317-10/10/77-11- 8-13.5- - - 5.0- 1800-	81-1-6-5- -2-3-1-2-1-2-3-3- -1- - - - -	1.55
08-37.6611-104.3783-2-06-	0-C28318-10/10/77-11- 7-15.2- - - 5.1- 900-	8-1-1-3-1- -3-1- -4-3-3-2- -1-1- 6- 39- 30-	0.84
08-37.6781-104.4214-2-06-	0-C28320-10/10/77-12- 8-15.5-C- - 7.4- 335-	12-1-1-3-1-2-3-2-2-2-3-3-2- -1- - - - -	0.84
08-37.6922-104.3811-2-06-	0-C28321-10/10/77-12- 9-14.1- - - 5.2- 620-	110-1-1-5-6- - -1-2-3-3-2-2- -1-1- 2- - -	5.67
08-37.7219-104.3056-2-08-	0-C28322-10/10/77-13- 7-12.5- - - 7.2- 2150-	10-1-1-5-6- - -1-2-4-2-2-2- -1-1- 6- - -	7.41
08-37.7364-104.3753-2-08-	0-C28323-10/10/77-13- 9-11.5-C- - 5.3- 310-	137-1-1-5-6- - -1-2-4-3-2-2- -1-1- 4- - -	0.46
08-37.7747-104.4350-2-06-	0-C28324-10/10/77-14- 9-17.0-C- - 5.5- 3100-	115-1-1-5-6-2-3-5-2-4-3-3-2- -1- - - - -	9.55
08-37.8117-104.4347-2-08-	0-C28326-10/10/77-15- -13.9- - - 5.9- 430-	137-1-1-5-6- - -2- -3-4-2-2- -1-3- - - -	1.62
08-37.8350-104.4539-2-06-	0-C28329-10/10/77-16- 7-12.4- - - 5.9- 550-	104-1-2-5-6-2-2-2-2-1-3-6-1- -1- - - - -	2.45
08-37.8408-104.4425-2-06-	0-C28331-10/10/77-16- 7-12.5- - - 5.0- 900-	9-1-1-5-6-2-3-1-2-1-3-4-3- -1- - - - -	2.54
08-37.8364-104.4822-2-08-	0-C28332-10/10/77-18- 7-11.4- - - 5.8- 780-	57-1-2-5-6- - -1-2-1-3-2-3- -1-1- 6- - -	7.00
08-37.7706-104.4099-2-08-	0-C28335-10/10/77-18- 6- - - - 7.5- 1750-	57-1-1-5-6- - -1- -4-3-2-3- -1-1- 6- - -	33.00*
08-37.9281-104.8028-2-07-	0-C28342-10/11/77-17- 15-12.6-C- - 5.5- 1130-	115-1-2-4-6-3-3-1-2-2-2-4-1- -1- - - - -	5.51
08-37.9944-104.8511-2-07-	0-C28344-10/11/77-18- 15-11.1-C- - 5.3- 560-	92-1-2-6-6-2-3-1-2-2-3-4-1- -1- - - - -	2.35
08-37.9744-104.6931-2-06-	0-C28350-10/09/77- 8- 13-12.4- - - 5.6- 1550-	9-1-1-3-1-2-2-1-2-1-3-3-2- -3- - - - -	1.67
08-37.7450-104.6406-2-06-	0-C28353-10/09/77-18- 11- 6.1-C- - 5.8- 2350-	6-1-1-5-6-2-3-1-2-3-3-3-2- -3- - - - -	14.90
08-37.6950-104.7053-2-08-	0-C28354-10/10/77-10- 17-10.2- - - 8.4- 1210-	10-1-1-5-6-1-3-3-1-4-3-2-1- -3- - - - -	0.67
08-37.7139-104.6306-2-08-	0-C28356-10/10/77-11- 17-13.2- - - 7.0- 1900-	13-1-1-6-1- - -1- -3-3-2-2- -1-1- 6- 10- 8-	3.96
08-37.6675-104.7039-2-08-	0-C28357-10/10/77-13- 15-14.6- - - 7.0- 3003-	11-1-1-5-6- - - - -4-3-2-2- - -3- 6- 10- 5-	4.60
08-37.6586-104.7047-2-07-	0-C28360-10/10/77-13- 14-12.9- - - 7.0- 6110-	6-1-1-2-9-2-3-1-2-3-4-2-2- -5- - - - -	34.40*
08-37.6378-104.7033-2-08-	0-C28362-10/10/77-14- 17-13.9-C- - 7.2- 2900-	16-1-1-5-6- - -1- -4-3-2-2- - -1- 6- - -	3.27
08-37.6200-104.5031-2-08-	0-C28364-10/11/77-13- 16-14.2-C- - 5.8- 700-	6-1-1-3-1- - -1- -4-3-2-2- -9-7-40- 4- 6-	0.60
08-37.6031-104.5822-2-08-	0-C28365-10/11/77-13- 16-13.9- - - 7.3- 8100-	9-1-1-5-6- - -6- -4-3-2-1- -9-1- 8- - -	48.00*
08-37.6136-104.5225-2-08-	0-C28366-10/11/77-13- 16-19.0- - - 5.9- 7800-	8-1-1-3-1- - -3- -4-2-2-1- -9-5- - - -	31.80*
08-37.5300-104.5706-2-08-	0-C28369-10/11/77-15- 20-14.8-C- - 7.1- 1980-	15-1-1-3-6- - -6- -4-3-2-1- -9-1- 8- - -	1.73
08-37.5117-104.5546-2-08-	0-C28370-10/11/77-17- 20-13.9- - - 5.7- 2500-	15-1-1-4-6-2- -6- -4-4-2-1- -2-1- 4- - -	4.27
08-37.5972-104.4657-2-06-	0-C28371-10/11/77-18- 15- 6.8- - - 7.0- 320-	9-3-4-5-6-2-2- -2-1-3-3-1- -3- - - - -	0.37
08-37.5992-104.5796-2-06-	0-C28372-10/11/77-18- 15- 7.0- - - 5.9- 1500-	9-1-1-4-6-1-3- -2-4-3-2-1- -3- - - - -	3.16
08-37.6022-104.4257-2-08-	0-C28374-10/11/77-19- 14- 9.0-C- - 9.3- 7500-	12-1-1-5-6- - -3- -4-3-2-1- -9-4- - - -	24.10*
08-37.6189-104.4033-2-08-	0-C28375-10/12/77- 8- 11- 8.7- - - 7.2- 3750-	10-1-1-5-6- - -1- -4-3-2-1- - -1- 8- - -	1.77
08-37.5594-104.3814-2-07-	0-C28376-10/12/77- 8- 21-12.3-C- - 9.1-10200-	17-1-7-3-7-2-3-1-2-3-3-3-1- -3- - - - -	17.30*
08-37.5508-104.3036-2-06-	0-C28377-10/12/77-11- 21-13.2- - - 7.6-10000-	8-1-7-5-6-1-2-2-2-3-3-3-1- -3- - - - -	19.90*
08-37.5664-104.4378-2-07-	0-C28378-10/12/77-12- 18- - - - 7.8- 4100-	3-1-1-4-6-2-2-1-2-3-3-2-1- -3- - - - -	20.60*
08-37.5533-104.4622-2-08-	0-C28379-10/12/77-12- 21-12.3-C- - 7.1-10000-	11-1-1-3-9- - -1-2-3-2-2-1- -9-7- - - 15-	28.60*
08-37.5131-104.4656-2-07-	0-C28380-10/12/77-14- -14.0- - - 7.0- 8010-	8-1-1-4-8-2-2-1-2-3-3-3-1- -3- - - - -	21.30*
08-37.5192-104.4159-2-08-	0-C28382-10/12/77-15- 24-16.0-C- - 9.1- 3550-	13-1-1-3-6- - -2- -4-3-2-1- -9-9- 8- - 5-	2.47
08-37.5789-104.3731-2-06-	0-C28384-10/12/77- 9- 13-12.8-C- - 7.1-11200-	10-3-6-5-6-1-3-1-2-1-3-3-1- -2- - - - -	2.99
08-37.5858-104.3444-2-06-	0-C28388-10/12/77- 8- 12- 5.6- - - 7.7-11000-	13-1-6-5-6-2-2-1-2-1-3-2-1- -3- - - - -	19.80*
08-37.5811-104.3736-2-06-	0-C28389-10/12/77- 9- 13- 7.0- - - 7.9-10010-	23-1-1-5-1-2-2- -2-1-3-3-1- -3- - - - -	30.30*
08-37.7967-104.2611-2-06-	0-C28395-10/01/77- 9- 16-16.0- - - 5.2- 1540-	26-1-6-5-1- - -1- -4-2-2-2- - -1- 6- - -	4.85
08-37.7994-104.2975-2-06-	0-C28397-10/01/77- 9- 14-14.9- - - 5.9- 850-	13-1-6-5-6- - - - -3-2-1- - -1- 6- - -	1.27
08-37.7653-104.2578-2-06-	0-C28398-10/01/77-10- 10-16.0- - - 7.4- 1125-	16-1-6-4-6- - -1- -4-2-2-1- -9-1- 6- - -	0.62
08-37.7586-104.2886-2-06-	0-C28399-10/01/77-10- 16-15.5- - - 8.0- 250-	5-1-1-3-2-1-3-2-2-1-3-3-1- -3- - - - -	0.39
08-37.7750-104.3292-2-06-	0-C28401-10/01/77-12- 20-16.7- - -10.2- 250-	0-1-1-4-1-1-3-5-2-1-3-3-1- -3- - - - -	1.77
08-37.5011-104.3396-2-08-	0-C28403-10/02/77-18- 18-17.6-C- - 7.0- 4800-	19-1-1-7-1- - -1- -1-2-2-1- -9-3- 6-230- -	21.60*
08-37.6197-104.7225-2-07-	0-C28404-10/10/77-15- 15-12.9- - - 7.0- 3110-	12-1-1-4-6-2-3-1-2-3-4-3-2- -3- - - - -	3.69
08-37.6161-104.6433-2-07-	0-C28412-10/11/77-10- 10-14.7- - - 7.2- 6500-	13-1-7-4-6-1-3-1-2-3-3-2-2- -3- - - - -	35.60*
08-37.4969-104.3214-2-08-	0-C28416-10/02/77-18- -15.9- - - 7.0- 2700-	15-1-1-5-6-2-3-1- -1-3-2-1- -1-3- 6-200- -	5.24
08-37.4953-104.3017-2-06-	0-C28417-10/02/77-18- 18-13.5-C- - 9.0-13720-	18-1-1-4-1-2-3-1-3-3-3-3-1- -1-1- 8- - -	1.20*
08-37.2778-104.2133-2-08-	0-C28419-10/06/77-12- 20-15.4- - - 8.4- 3690-	15-1-6-5-6-3-3-1-3-4-2-2-2- - -1- 6- - -	1.84
08-37.4619-104.2772-2-06-	0-C28422-10/07/77-17- 24-10.1- - - 5.9- 2220-	12-1-1-5-1- - -1-3-4-3-2-2- - -3- 6-500- -	0.90

APPENDIX B (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	U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08-37.4544-104.3092-2-08-	0-C28425-10/08/77-15- 20-13.9-C- - 8.2- 3030- 11-1-1-5-6- - -3- -2-2-2-1- - -4- 6- - -	3.03
08-37.4644-104.3478-2-08-	0-C28428-10/08/77-18- 10-17.1- - - 5.4- 3220- 12-1-1-3-5- - -1- -4-3-2-2- - -1- 6-500-400-	1.48
08-37.4503-104.3603-2-06-	0-C28429-10/08/77-18- 10-11.0-C- - 7.9-10500- 10-1-1-5-6-2-2-3-2-4-3-3-2- -3- - - - -	9.50*
08-37.0644-104.1275-2-08-	0-C28430-10/07/77- 8- 11-11.0-C- - 7.2- 1250- 104-1-2-5-6-2-3-1-3-4-2-2-3- -1-3- - - -	1.90
08-37.0803-104.1819-2-07-	0-C28435-10/07/77-10- 15-16.5- - - 7.3- 2800- 92-1-4-5-6-2-3-2-2-2-2-2-2- -1- - - - -	3.33
08-37.1186-104.1036-2-07-	0-C28437-10/07/77-11- 17-14.5-C- - 7.9- 3950- 15-1-1-3-6-3-3-1-2-3-3-2-2- -1- - - - -	2.64
08-37.1261-104.3700-2-06-	0-C28446-10/03/77-12- 31-20.5-C- - 7.4- 1200- 9-1-1-4-7-2-3-1-2-1-3-3-1- -1- - - - -	1.84
08-37.1242-104.1228-2-08-	0-C28457-10/03/77-19- 26-19.8-C- - 5.7- 2515- 13-1-1-5-6-2-3-1-3-4-3-2-2- -9-1- 6- - -	1.39
08-37.1161-104.1142-2-07-	0-C28458-10/03/77-18- 23-16.7-C- - 8.0- 5010- 6-1-1-3-1-2-3-1-1-3-2-2-1- -3- - - - -	18.60*
08-37.1014-104.1147-2-06-	0-C28459-10/03/77-19- 21-15.8-C- - 5.9- 2600- 13-1-1-5-6-2-3-6-2-2-4-2-1- -3- - - - -	1.04
08-37.0994-104.1208-2-06-	0-C28460-10/03/77-19- 21-19.5- - - 7.2- 1800- 10-1-1-4-6-3-3-1-3-2-3-2-2- -1-4- 8- 30- 25-	1.04
08-37.0514-104.0511-2-06-	0-C28464-10/04/77-19- 21-14.5- - - 7.2- 2100- 13-1-6-5-6-1-3-2-2-3-4-2-2- -1- - - - -	9.72
08-37.0300-104.0399-2-06-	0-C28467-10/05/77- 8- 8-13.5-C- - 5.4- 3275- 9-1-1-5-6-3-3-1-3-4-2-2-3- - -1- 8- - -	5.83
08-37.0542-104.0136-2-06-	0-C28468-10/05/77- 9- 8-17.9-C- - 6.0- 2300- 10-1-1-5-6- -3-1-3-2-3-2-3- -1-3- 6- 50- 40-	.18
08-37.1075-104.0300-2-08-	0-C28470-10/05/77- 9- 10-16.2- - - 5.9- 1120- 10-1-1-5-6- - - - -2-2-2-3- - -3- 6- - -	1.84
08-37.2653-104.1908-2-08-	0-C28473-10/06/77-10- 18-15.3-C- - 9.1- 3000- 15-1-6-5-6-3-3-1-3-4-2-2-2- - -4- 8- - -	0.79
08-37.2658-104.1433-2-08-	0-C28474-10/06/77-11- 18-13.9-C- - 7.9- 2500- 12-1-6-5-6-2-3-2-3-4-2-2-2- - -1- 6- - -	5.44
08-37.2931-104.1836-2-08-	0-C28475-10/06/77-11- 19-12.8-C- - 8.7- 3550- 13-1-6-5-6-2-2-2-3-4-2-2-2- - -1- 6- - -	1.23
08-37.4125-104.2754-2-08-	0-C28477-10/07/77-16- 27-10.9-C- - 7.2- 2100- 9-1-1-5-6- - -3-3-4-3-2-2- - -3- 6- - -	1.79
08-37.3050-104.2259-2-07-	0-C28478-10/06/77-12- 20-13.9- - - 8.4-10480- 10-1-6-4-6-1-2- -2-4-2-2-4- -3- - - - -	81.90*
08-37.3111-104.2272-2-08-	0-C28479-10/06/77-13- 16-17.7- - - 6.4- 3210- 16-1-6-5-6-3-3-1-3-4-3-2-4- - -3- 6- - -	0.35
08-37.3372-104.1393-2-08-	0-C28480-10/06/77-13- 17-15.6-C- - 6.0- 2300- 9-1-6-3-9-2-3-2-3-4-2-2-3- - -3- 6- - -	0.49
08-37.3742-104.2451-2-08-	0-C28481-10/07/77-13- 30-24.0-C- - 7.5- 2220- 5-1-1-3-1-3-3-1-3-2-3-2-2- - -3- 6-590-400-	0.19
08-37.3583-104.1733-2-06-	0-C28482-10/07/77-14- 30-17.8- - - 7.7- 2700- 10-1-1-4-1- - -3-3-4-2-2-2- - -3- 8- - -	1.11
08-37.3258-104.2383-2-07-	0-C28484-10/07/77-15- 27-19.8- - - 8.7-10330- 9-1-1-5-6-1-2-3-2-3-3-2-2- -3- - - - -	55.90*
08-37.2614-104.3586-2-08-	0-C28485-10/06/77- 8- 18-13.2-C- - 7.8- 3550- 12-1-1-5-6-3-3-2-3-4-3-1-3- - - - 8- - 20-	6.75
08-37.3519-104.3556-2-07-	0-C28488-10/08/77-14- 21-10.8- - - 7.1- 3200- 9-1-1-3-6-2-2-1-2-4-3-2-1- -3- - - - -	4.25
08-37.7667-104.5351-2-06-	0-C28489-10/11/77- 9- - 8.0-C- - 5.7- 270- 139-1-6-6-6-2-3-1-2-1-3-3-1- -1- - - - -	0.30
08-37.2431-104.1078-2-08-	0-C28490-10/04/77- 9- 23-13.9-C- - 7.6- 2400- 12-1-1-5-6- - -1- -3-4-2-1- -9-1- 8- 80- 70-	2.50
08-37.2489-104.0450-2-08-	0-C28493-10/04/77-10- 28-17.4- - - 9.2- 3700- 4-1-1-5-6- - - - -4-2-2-1- - -3- 6- - -	1.33
08-37.1817-104.1017-2-06-	0-C28494-10/04/77-17- 24-15.7- - - 6.0- 463- 13-1-1-4-6-2-3-2-2-1-3-6-2- -3- - - - -	1.72
08-37.1258-104.0242-2-06-	0-C28495-10/05/77-13- 14-13.9- - - 7.0- 1100- 26-1-1-5-6-2-3-5-2-1-3-3-3- - - - - - -	4.30
08-37.1639-104.0157-2-06-	0-C28496-10/05/77-13- 14-11.0- - - 7.0- 500- 12-1-1-4-6-1-3-2-2-1-3-3-3- -1- - - - -	1.17
08-37.1617-104.0158-2-07-	0-C28497-10/05/77-15- 14-16.6- - - 7.9- 1810- 11-1-1-4-6-3-3-1-2-4-3-2-3- -3- - - - -	4.92
08-37.1894-104.0119-2-07-	0-C28498-10/05/77-15- 17-13.6-C- - 7.8- 1530- 5-1-1-3-9-3-3-1-2-4-3-4-3- -3- - - - -	2.06
08-37.1617-104.0859-2-06-	0-C28499-10/05/77-16- 17-15.0-C- - 7.9- 260- 2-1-1-5-6-1-3-5- -1-3-3-3- -9- - - - -	1.25
08-37.1819-104.0714-2-06-	0-C28501-10/05/77-16- 17-13.9-C- - 6.9- 1900- 19-1-1-3-6- - -1- -4-2-2-3- -9-9-36- - -	44.00*
08-37.1647-104.0975-2-07-	0-C28503-10/05/77-16- 15-14.4-C- - 7.4- 7500- 6-1-1-4-9-2-3-5-2-1-3-3-3- -1- - - - -	12.00*
08-37.2736-104.0628-2-06-	0-C28509-10/04/77-11- 28-21.0-C- - 7.7- 2790- 4-1-1-5-6- - - - -4-2-2-1- -8-3- 6- - -	2.13
08-37.2850-104.0256-2-06-	0-C28510-10/04/77-12- 29-19.1-C- - 7.4- 1120- 11-1-1-5-6-3-3-5- -6-3-2-1- -3- - - - -	1.67
08-37.2936-104.0191-2-06-	0-C28511-10/04/77-12- 28-19.9- - - 5.9- 385- 12-1-1-3-1-1-3-3- -4-3-2-1- -3- - - - -	0.52
08-37.3658-104.1219-2-08-	0-C28512-10/06/77-14- 17-13.8-C- - 7.0- 990- 15-1-6-3-6-2-3-2-3-4-2-2-3- -9-1- - - -	0.38
08-37.2561-104.0275-2-08-	0-C28513-10/04/77-13- -19.0- - - 5.3- 1195- 18-1-1- - - - - - -4-2-2-1- - - - - - -	0.52
08-37.3433-104.0778-2-08-	0-C28515-10/06/77-14- 18-16.2- - - 5.9- 2000- 19-1-1-3-6-2-3-1-3-4-2-2-3- - -1- 6- - -	0.67
08-37.3514-104.0328-2-08-	0-C28517-10/06/77-15- 19-15.8-C- - 5.4- 1880- 10-1-1-5-6-3-3-2-3-4-2-2-3- - -1- 6- - -	0.48
08-37.3081-104.0722-2-06-	0-C28519-10/06/77-16- 19-14.1-C- - 7.9- 3000- 15-1-1-5-6-2-3-2-3-3-2-2-3- -9-1- 6- - -	0.63
08-37.3092-104.1059-2-08-	0-C28520-10/06/77- - 19-13.4- - - 8.6- 3290- 12-1-1-3-1-2-2-1-3-4-2-2-2- -9-1- 5- - -	1.01
08-37.1778-104.2131-2-08-	0-C28529-10/04/77-15- 20-24.4- - - 7.1- 2390- 9-1-1-5-6- - -1- -4-3-2-1- -1-3- 6- - -	0.96
08-37.1869-104.1400-2-07-	0-C28530-10/04/77-16- 27-18.2-C- - 7.6- 1340- 6-1-1-1-1-2-3-2-2-3-3-2-2- -3- - - - -	1.45
08-37.1303-104.5167-2-06-	0-C28535-09/30/77-15- 23-16.2- - - 7.7- 2625- 92-1-1-3-1-2-3-1-2-1-3-4-2- -1- - - - -	0.51
08-37.1306-104.5956-2-07-	0-C28539-09/30/77-19- 22-16.2-C- - 7.4- 775- 75-1-2-2-2-3-2-2-2-4-3-3-2- -9- - - - -	2.30

APPENDIX B (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	U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08-37.1158-104.2611-2-06-	0-C28544-10/07/77-13- 18-14.3- - - 7.5- 2200- 127-1-7-3-7-3-3-1-3-2-3-2-2- -1-3- 6- - 60-	2.22
08-37.1067-104.3300-2-07-	0-C28545-10/07/77-11- 16-17.0- - - 5.8- 1150- 91-1-2- - -2-3-1-2-2-3-3-2- -1- - - - -	1.65
08-37.0233-104.2617-2-06-	0-C28547-10/07/77-15- 18- 9.0-C- - 7.5- 1370- 12-1-6-5-6-4- -1- -1-4-4-2- -1- - - - -	0.83
08-37.0250-104.2806-2-06-	0-C28548-10/07/77-15- 17-10.0-C- - 7.8- 4300- 115-1-6-5-6-2- -1- -1-4-3-2- -1- - - - -	0.36
08-37.0272-104.2831-2-06-	0-C28549-10/07/77-17- 16-13.5-C- - 7.4- 455- 104-1-7-5-8-2-3-1-3-2-3-4-2- -1- - - - -	1.16
08-37.4000-104.4036-2-06-	0-C28550-10/01/77-11- 17-12.1- - - 5.7- 1875- 13-1-1-5-1-3-3-1-3-4-3-1-1- -1-1- 8- - -	2.03
08-37.4158-104.4600-2-06-	0-C28551-10/01/77-11- 17-13.2-C- - 7.0- 1200- 150-1-1-4-1-2-3-1-3-3-2-2-1- -1-1- 6- - -	3.12
08-37.4869-104.4954-2-08-	0-C28553-10/01/77-12- 20-15.0- - - 7.7- 3300- 8-1-1-3-1-2-3-1-3-4-3-3-1- -1-1- 2- 20- 5-	2.46
08-37.4903-104.4644-2-06-	0-C28554-10/01/77-13- 21-15.2- - - 9.3- 6000- 92-1-2-5-6-2-2-1-3-4-3-3-1- -1-1- 2- 25- 1-	9.38
08-37.0122-104.2789-2-06-	0-C28555-10/07/77-17- 16-10.3-C- - 7.0- 190- 10-3-6-5-8-2- -1- -1-4-4-2- -3- - - - -	0.35
08-37.3356-104.6250-2-06-	0-C28556-10/01/77-10- 15-14.8- - - 7.7- 2400- 12-1-2-6-7-3-3-1-2-6-3-4-1- -9- - - - -	1.12
08-37.3386-104.5925-2-07-	0-C28557-10/01/77-10- 14-11.4- - - 8.0- 2000- 139-1-2-5-6-2-3-1-2-4-2-2-1- -1- - - - -	3.19
08-37.2794-104.5550-2-08-	0-C28561-10/01/77- 9- 10-11.4-C- - 8.1- 900- 142-1-2-5-6-1-3-1-3-2-2-3-1- -1-1- 5- - -	0.87
08-37.2675-104.5494-2-08-	0-C28564-10/01/77- 7- 7-10.0- - - 8.6- 1550- 148-1-1-5-6-1-3-1-3-2-3-3-1- -1-1- 5- - -	0.38
08-37.3194-104.5117-2-08-	0-C28568-10/01/77- 7- 6-14.8-C- - 7.4- 230- 173-1-1-3-1-3-3-1-3-2-3-2-1- -1-3-12- - -	0.96
08-37.2944-104.3983-2-08-	0-C28571-09/30/77-12- 28-10.8- - - 7.8- 240- 12-1-1-3-6-3-3-1-3-2-2-1-2- -9-5- 6- 35- 15-	0.52
08-37.2833-104.4372-2-08-	0-C28572-09/30/77-12- 26-10.5- - - 7.4- 605- 173-1-1-5-1-3-3-1-3-2-3-1-2- -1-3- 6- - -	1.33
08-37.3542-104.3800-2-08-	0-C28576-09/30/77-13- 28-25.3- - - 5.9- 2600- 116-1-1-5-1-1-1-1-3-4-3-3-2- -1-3- 6- - -	0.51
08-37.3611-104.7650-2-06-	0-C28581-10/03/77-17- 16-13.9- - - 8.3- 610- 104-1-1-4-1-2-3-1-3-1-3-3-2- -1-1- 6- 45- 30-	0.26
08-37.3547-104.8072-2-07-	0-C28583-10/03/77-18- 14- 9.7- - - 7.2- 150- 115-1-1-4-6-3-3-1-2-2-3-3-2- -1- - - - -	0.93
08-37.3586-104.8133-2-07-	0-C28584-10/03/77-18- 16- 7.5- - - 7.8- 310- 11-1-1-4-6-3-3-1-2-2-3-3-2- -3- - - - -	3.73
08-37.3631-104.8744-2-06-	0-C28585-10/03/77-19- 14- 9.5- - - 7.6- 330- 173-1-1-5-6-2-3-2-2-1-3-3-2- -1- - - - -	0.68
08-37.3422-104.8050-2-08-	0-C28587-10/03/77-18- 13-11.2- - - 7.8- 550- 104-1-1-5-1-1-3-1-3-4-4-3-2- -1-1- 6- - -	1.11
08-37.4664-104.8306-2-06-	0-C28591-10/03/77-14- 16-13.4- - - 9.2- 700- 69-1-1-5-6-2-2-1- -2-3-2-2- -1-1- 6- - -	2.96
08-37.4631-104.8033-2-08-	0-C28593-10/03/77-15- 17-11.4- - - 7.1- 675- 10-3-1-5-8-2-3-1-3-4-4-2-2- -1-1- 6- - -	0.44
08-37.4547-104.7633-2-06-	0-C28594-10/03/77-15- 18-12.7- - - 7.6- 500- 115-1-2-4-6-2-3-1-2-4-4-3-2- -1- - - - -	0.95
08-37.4294-104.8444-2-06-	0-C28596-10/03/77-15- 14- 8.0- - - 7.6- 170- 57-3-1-6-7-2-3-1-2-2-3-3-2- -1- - - - -	0.44
08-37.4289-104.8453-2-07-	0-C28597-10/03/77-15- 14- 9.1- - - 7.2- 172- 11-3-1-5-8-4-3-1-2-2-3-3-2- -1- - - - -	0.32
08-37.4389-104.7075-2-06-	0-C28598-10/03/77-16- 15-11.2- - - 7.0- 510- 115-3-1-6-6-3-4-1-2-2-3-2-2- -1- - - - -	2.18
08-37.4358-104.7992-2-07-	0-C28599-10/03/77-16- 17-11.2-C- - 7.6- 540- 15-3-7-5-8-2-3-1-2-2-3-3-2- -9- - - - -	1.46
08-37.4281-104.7675-2-06-	0-C28601-10/03/77-16- 16-11.1- - - 5.9- 910- 12-1-7-5-6-2-3-1-2-1-3-3-2- -1- - - - -	1.64
08-37.9694-104.7875-2-06-	0-C28605-10/03/77-10- 16-13.7-C- - 7.8- 915- 92-1-1-5-6-3-3-1-2-4-3-3-1- -9- - - - -	2.55
08-37.8794-104.8383-2-06-	0-C28609-10/03/77-12- 18-11.4- - - 7.6- 4500- 12-1-1-5-6-2-3-1-3-4-3-2-1- -1-1- 6- - -	47.70*
08-37.7958-104.7686-2-06-	0-C28612-10/02/77-17- 15-15.4-C- - 7.1- 1350- 3-1-7-5-6-2-3-1-2-3-3-3-1- -1- - - - -	40.00*
08-37.8144-104.8178-2-08-	0-C28613-10/02/77-18- 14-15.2- - - 7.1- 500- 208-1-4-5-6-2-3-1-3-4-3-1-1- -1-5- 2- - -	9.12
08-37.8214-104.8686-2-08-	0-C28617-10/03/77- 7- 8-11.2- - - 7.2- 454- 150-1-1-5-1-2-3-1-3-4-3-2-1- -1-1- 2- - -	24.70*
08-37.8397-104.7867-2-07-	0-C28621-10/03/77- 8- 10- 8.7-C- - 5.9- 3? 0- 162-1-7-5-6-3-3-1-2-4-3-2-1- -9- - - - -	33.40*
08-37.8614-104.7669-2-06-	0-C28624-10/03/77- 8- 12-11.2-C- - 7.1- 1790- 4-1-1-3-7-3-3-1-2-1-2-3-2- -1- - - - -	3.99
08-37.8725-104.7867-2-06-	0-C28625-10/03/77- 9- 14-12.4- - - 5.4- 1450- 18-1-1-6-6-3-3-1-2-4-3-2-2- -1- - - - -	5.22
08-37.9806-104.7583-2-06-	0-C28626-10/03/77- 8- 14- 8.8-C- - 7.6- 470- 142-1-1-6-1-2-2-2-3-4-3-3-1- -9- - - - -	1.45
08-37.9503-104.7793-2-07-	0-C28630-10/03/77-10- 16-13.6- - - 7.6- 1300- 16-1-1-6-8-3-3-1-2-2-3-2-1- -1- - - - -	4.93
08-37.7400-104.8361-2-06-	0-C28634-10/02/77-17- 15-13.0-C- - 7.8- 1790- 115-1-1-4-6-2-3-1-2-3-2-2-1- -1- - - - -	5.43
08-37.6842-104.8033-2-06-	0-C28637-10/02/77-15- 19-20.4-C- - 5.3- 1200- 104-1-1-4-6-3-3-1-3-3-3-2-1- -9-3- 8- - -	0.89
08-37.7067-104.8639-2-08-	0-C28641-10/02/77-13- 14-14.2-C- - 7.4- 1500- 150-1-1-4-1- - - -3-1-2-3-1- -1-1- 6- - -	6.36
08-37.6558-104.8372-2-08-	0-C28644-10/02/77-12- 14-15.4- - - 7.0- 800- 22-1-1-4-1-2-3-1-3-4-3-2-1- -1- - - - -	2.67
08-37.6342-104.8597-2-06-	0-C28645-10/02/77-12- 14-16.0- - - 7.4- 1100- 9-1-1-3-6-2-3-1-2-1-2-3-1- -1- - - - -	2.33
08-37.5408-104.7711-2-06-	0-C28648-10/01/77-21- 9- 8.7- - - 7.1- 790- 104-1-1-4-6-2-3-1-2-1-3-3-1- -1- - - - -	1.85
08-37.5564-104.8517-2-08-	0-C28656-10/02/77- 9- 14-11.5- - - 7.7- 575- 10-1-1-4-6-1-3-1-3-1-3-3-1- -1-1- 6- - -	0.98
08-37.5219-104.8154-2-08-	0-C28658-10/02/77-10- 16-10.4- - - 7.3- 1250- 104-1-2-5-6-2-3-1-3-1-3-3-1- -1-1-10- - -	2.22
08-37.5964-104.8503-2-06-	0-C28659-10/02/77-11- 19-13.6- - - 7.4- 255- 16-1-2-5-6-3-3-1-3-1-2-2-1- -1-5- - - -	1.12
08-37.4403-104.4003-2-08-	0-C28668-10/01/77-14- 21-15.2- - - 8.8- 5500- 20-1-1-4-1-2-3-1-3-3-3-2-1- -1-1- 2- 20- 15-	4.85

APPENDIX B (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 (TIME SAMPLED: DATE, ...)	CONCENTRATION, WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC*, UNITS IN ppb
08-37.4919-104.4433-2-08-	0-C28669-10/01/77-14- 24-12.8- - - 7.6- 3250- 173-1-1-5-1-3-4-1-3-4-3-2-1- -1-1- 2- 25- 20-	7.21
08-37.4922-104.4100-2-06-	0-C28670-10/01/77-14- 25-12.3- - - 7.9- 3200- 12-1-1-5-1-3-3-1-3-4-3-2-1- -1-1- - 50- 35-	1.20
08-37.4478-104.6606-2-06-	0-C28671-10/01/77-15- 22-15.6- - - 8.6- 2900- 104-1-2-5-6-2-3-1-3-4-4-2-1- -1-1- 2- 25- 23-	3.47
08-37.3992-104.6447-2-07-	0-C28674-10/01/77-16- 20-14.8- - - 7.9- 825- 8-1-1-4-6-3-2-1-2-2-2-2-1- -9- - - - -	0.23
08-37.4050-104.7100-2-06-	0-C28678-10/01/77-18- 19-12.8- - - 7.0- 450- 179-1-6-5-6-2-3-1-2-1-2-3-1- -1- - - - -	0.52
08-37.2658-105.7728-2-07-	0-C28681-03/04/76-11- -3- 1.5-C- - 8.2- 700- 8-1-6-6-6-1-2-2-3-3-2-2-5- -1- - - - -	25.10*
08-37.2728-105.8354-2-06-	0-C28682-03/04/76-14- -1-16.4-C- - 7.4- 150- 12-4-6- - - - -1- -3-2-1-5- -1-9-16- - 1-	1.61
08-37.2547-105.8258-2-09-	0-C28683-03/04/76-15- -1- 3.1-C- - 9.2- 270- 8-4-2-5-6-1-2-3-3-3-2-1-2- -3- - - - -	3.62
08-37.2722-105.8411-2-06-	0-C28694-03/06/76- 9- -2-16.5-C- - 7.8- 150- 7-4- - - -3- -1- -4-3-1-1- -1-9-16-344- 1-	1.28
08-37.2583-105.8596-2-06-	0-C28695-03/06/76-10- -1-15.0-C- - 7.7- 142- 8-4- - - -3- -1- -4-3-1-1- -1-9-10-300- 1-	1.61
08-37.2547-105.8722-2-06-	0-C28696-03/06/76-11- -2-14.7-C- - 7.5- 141- 7-4- - - -3- -1- -4-3-1-1- -1-9-14- - 1-	1.56
08-37.2750-105.8517-2-06-	0-C28697-03/06/76-11- - 0.9-C- - 7.9- 125- 9-4- - - -2- -1- -4-3-1-1- -1-9- 2- - 1-	0.94
08-37.2983-105.8728-2-08-	0-C28698-03/06/76-12- 2-12.0-C- - 7.1- 150- 10-4- - - -3- -1- -4-3-1-1- -1-9-18- - 1-	1.93
08-37.3339-105.8557-2-08-	0-C28699-03/06/76-12- 6- 9.9-C- - 5.8- 239- 5-4- - - -2- -1- -4-3-1-1- -1-9- 4- - 1-	0.45
08-37.3600-105.8457-2-08-	0-C28700-03/06/76-13- 4-10.1-C- - 5.6- 255- 9-4- - - -2- -1- -4-3-1-1- -1-9- 2- - 1-	0.72
08-37.3703-105.7922-2-07-	0-C28701-03/06/76-14- 6- 3.2- - - 7.0- 575- 5-4- -5-6-3-2-3-1-4-3-1-1- -3- - - - -	3.69
08-37.3414-105.8192-2-08-	0-C28702-03/06/76-14- 4-11.0-C- - 7.7- 308- 10-3-7- - -2- -1- -4-3-1-1- -1-9- 3- - 1-	0.31
08-37.2983-105.8357-2-06-	0-C28703-03/06/76-14- 5-17.0-C- - 8.0- 202- 8-4- - - -3- -1- -4-3-1-1- -1-9-18- - 1-	0.76
08-37.2953-105.8178-2-06-	0-C28704-03/06/76-15- 5-14.5-C- - 8.0- 212- 10-4- - - -2- -1- -4-3-1-1- -3-9-10- - 1-	1.35
08-37.2939-105.7937-2-06-	0-C28705-03/06/76-16- 6- 6.8-C- - 8.2- 192- 8-4- - - -3- -2- -4-3-4-1- -3-9- 2- - 1-	0.28
08-37.2947-105.7847-2-09-	0-C28706-03/07/76-16- 3-14.8-C- - 8.5- 218- 10-4- -6-6-2-2-1-3-4-3-1-2- -3- - - - -	0.26
08-37.3133-105.7644-2-06-	0-C28708-03/07/76-17- 3-24.2-C- - 8.6- 274- 7-4- - - -3- -1- -4-3-1-2- -9-9-20- - 1-	0.61
08-37.3125-105.7742-2-06-	0-C28709-03/07/76-18- -16.2-C- - 9.4- 243- 7-4- - - -2- -1- -4-3-1-2- -9-9- 6- - 1-	0.10
08-37.3022-105.7951-2-06-	0-C28710-03/07/76-19- -1-25.0-C- - 9.4- 232- 7-4- - - -3- -1- -4-3-1-2- -9-9-20- - 1-	0.29
08-37.1844-105.5306-2-06-	0-C28718-03/08/76-15- 3-10.2-C- - 8.3- 410- 5-4- - - -3- -1- -4-3-1-1- -9-6-12- - -	25.20*
08-37.1419-105.5750-2-06-	0-C28722-03/09/76-17- 2- 9.0-C- - 7.8- 500- 7-4- - - -3- -1- -4-2-1-1- - -3- 4-450-225-	88.30*
08-37.1589-105.8032-2-06-	0-C28733-03/09/76-17- 1- 0.1-C- - 7.2- 300- 12-2-7-3-6-2-2-1-2-2-2-5-1- -9- - - - -	1.27
08-37.1192-105.3186-2-07-	0-C28737-03/10/76- 9- 2- 0.1-C- - 7.6- 90- 10-4- -3-6-3-3-1-2-4-3-4-1- -9- - - - -	2.09
08-37.1186-105.3186-2-07-	0-C28738-03/10/76-10- 2- 0.1-C- - 7.5- 78- 15-4- -5-6-3-3-1-2-2-3-4-1- -9- - - - -	1.24
08-37.0847-105.3157-2-07-	0-C28739-03/10/76-12- 5- 0.1- - - 8.4- 75- 8-4- -2-6-3-2-1-2-2-3-4-1- -1- - - - -	1.49
08-37.0833-105.3181-2-07-	0-C28740-03/10/76-13- 5- 0.1- - - 7.8- 70- 11-2-1-2-6-3-2-1-2-2-3-4-1- -1- - - - -	0.64
08-37.0569-105.9951-2-06-	0-C28741-03/10/76-16- 7- 0.9-C- - 9.0- 260- 8-4- - - - - -1- -4-3-1-3- -9-3- 4-160- -	39.50*
08-37.1033-105.9537-2-06-	0-C28746-03/11/76-15- 2-10.4-C- - 7.0- 130- 11-4- - - -3- -1- -4-3-1-2- -9-3- 8- 45- 15-	0.10
08-37.1194-105.9633-2-06-	0-C28747-03/11/76-15- 3- 5.0-C- - 5.6- 75- 10-4- - - - - -1- -4-3-1-2- -3-4- 4- 45- -	0.28
08-37.0983-105.6031-2-06-	0-C28753-03/11/76- 9- -7-10.9-C- - 7.6- 430- 5-4- - - - - -1- -7-2-1-1- -9-3-10-300-297-	5.62
08-37.0992-105.5483-2-07-	0-C28756-03/11/76- 9- -4- - - - 8.2- 258- 12-4- -3-6-3-2-1-2-3-2-2-1- -3- - - - -	8.81
08-37.0111-105.6089-2-06-	0-C28764-03/11/76-11- 1- 0.0-C- - 7.1- 459- 8-4- - - - - -1- -4-2-1-1- -9-4- 2- - -	36.60*
08-37.0025-105.6242-2-08-	0-C28765-03/11/76-12- - 0.2-C- - 7.8- 310- 10-4- - - - - -1- -3-2-1-1- -9-3- 2-150-100-	7.16
08-37.0033-105.5354-2-06-	0-C28767-03/11/76-12- 2- 0.0-C- - 5.9- 210- 11-2-1- - - - -1- -4-2-1-1- -9-4-12-140- 16-	3.73
08-37.3028-105.7150-2-08-	0-C28777-03/05/76- 9- -6-16.1-C- - 5.4- 385- 12-4- - - -3-3-1- -3-2-2-1- -3-9- 7- - 1-	3.78
08-37.3153-105.7231-2-06-	0-C28778-03/05/76-10- -4-17.1-C- - 7.7- 360- 14-4- - - -2-3-1- -3-2-2-1- -3-9- 7- - 1-	2.33
08-37.3372-105.7132-2-08-	0-C28779-03/05/76-11- -22.2-C- - 5.2- 420- 9-4- - - -4-3-1- -4-2-1-1- -3-4- 8-390- -	2.28
08-37.3339-105.7242-2-06-	0-C28780-03/06/76-12- 3-22.0-C- - 8.6- 341- 7-4- - - -2-3-1- -5-2-1-1- -3-4- 8-175- 15-	1.23
08-37.3633-105.7208-2-09-	0-C28781-03/05/76-15- 6-12.0-C- - 7.8- 133- 15-4- -6-6-1-2-5- -5-2-1-1- -3- - - - -	2.94
08-37.3331-105.7242-2-06-	0-C28785-03/06/76-12- 3-13.9-C- - 8.5- 430- 12-4- - - -2-3-1- -5-2-1-1- -3-9- 4-150- 15-	0.38
08-37.3183-105.7186-2-06-	0-C28786-03/06/76-13- 12-10.5-C- - 8.2- 340- 10-4- - - -2-3-1- -3-2-1-1- -3-9- 7-175- 15-	2.74
08-37.3736-105.6356-2-07-	0-C28787-03/06/76-14- 11- 4.5-C- - 8.6- 329- 4-4- -6-4-2-3-2-2-6-4-3-1- -3- - - - -	7.09
08-37.0800-105.7132-2-08-	0-C28804-03/09/76-10- 5-12.1-C- - 5.2- 139- 3-1-6- - -3-2-1- -4-2-1-1- -3-4-10-300-280-	1.78
08-37.1808-105.3211-2-07-	0-C28826-03/10/76-13- 7- 4.2-C- - 7.7- 121- 18-1-6-1-9-3-2-2-2-2-2-6-1- -9- - - - -	2.50
08-37.1836-105.3131-2-07-	0-C28827-03/10/76-14- 9- 3.3-C- - 8.5- 133- 15-1-6-1-9-3-2-2-2-7-3-3-1- -3- - - - -	4.70
08-37.2122-105.2786-2-07-	0-C28828-03/10/76-15- 6- 1.6-C- - 7.7- 70- 15-1-7-2-6-2-2-1-2-7-4-5-2- -1- - - - -	0.10

APPENDIX B (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER (STATE – LATITUDE – LONGITUDE – ...)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA		U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb
08-37.2250-105.2775-2-07-	0-C28920-03/10/75-16- 6- -C- - 8.4- 24-	7-1-6-1-6-2-2-2-2-6-3-5-2- -1- - - - -	0.20
08-37.2264-105.9851-2-06-	0-C28830-03/13/75-13- 2- 0.4-C- - 8.1- 150-	6-4- - - -3-4-1- -4-2-1-1- -9-3- 6-100- 5-	0.30
08-37.4581-105.0306-2-07-	0-C28832-04/02/75-13- 13-12.0-C- - 8.2- 239-	9-3-6-4-6-4-3-2-2-2-3-4-2- -3- - - - -	1.52
08-37.4200-105.0519-2-07-	0-C28833-04/02/75-13- 15- 0.0- - - 8.3- 215-	10-4-6-6-6-4-3-2-2-2-3-5-2- -7- - - - -	0.46
08-37.4089-105.0478-2-07-	0-C28834-04/02/75-14- 12- 0.4- - - 8.3- 218-	7-3-6-1-6-4-4-2-2-2-3-4-2- -3- - - - -	1.14
08-37.2769-105.9634-2-06-	0-C28835-03/05/75-11- -1- 0.1-C- - - 190-	6-9- - - - - -1- -4-3-1-1- -3-9- - - 1-	0.38
08-37.3128-105.9378-2-06-	0-C28836-03/05 75-13- 2- 0.0-C- - 7.5- 204-	8-4-7- - -3-3-1- -4-3-2-2- -1-6- - - 1-	0.94
08-37.3722-105.9228-2-06-	0-C28837-03/05/75-15- 2-10.0-C- - 7.5- 235-	12-4-6- - -3-3-1- -3-3-1-2- -1-9- - - 1-	0.31
08-37.3575-105.9556-2-06-	0-C28838-03/05/75-15- 2-11.8-C- - 7.3- 235-	10-4- - - - - -1- -4-3-2-2- -9-9- - - 1-	1.14
08-37.3450-105.9932-2-06-	0-C28839-03/05/75-17- -1- 6.1-C- - 9.0- 2400-	10-4- -7- -2- -1- -3-3-2-2- -9-9- - - 1-	6.44
08-37.3275-105.9828-2-06-	0-C28840-03/05/75-18- -1- 0.0-C- - 5.6- 300-	14-4- - - - - -1- -4-3-1-2- -1-9- - - 1-	0.10
08-37.2650-105.8983-2-06-	0-C28841-03/06/75-11- 2-12.4-C- - 7.3- 134-	9-4- - - - - -1- -4-3-2-1- -1-9- - - 1-	0.56
08-37.2522-105.9257-2-06-	0-C28842-03/06/75-12- 5-10.0-C- - 5.0- 105-	6-4- - - - - -1- -4-3-1-1- -1-9- - - 1-	0.10
08-37.2672-105.9450-2-06-	0-C28843-03/06/75-13- 3- 9.2-C- - 7.8- 170-	4-4- - - - - -1- -4-3-2-1- -1-9- - - 1-	0.68
08-37.2906-105.9193-2-06-	0-C28844-03/06/75-14- 6- 7.8-C- - 8.3- 130-	9-4- - - - - -1- -4-3-1-1- -1-9- - - 1-	0.70
08-37.2989-105.9096-2-06-	0-C28845-03/06/75-15- 8- 7.9-C- - 8.1- 130-	9-4-7- - -3-3-1- -4-3-1-1- -1-9- - - 1-	0.53
08-37.3183-105.9153-2-06-	0-C28846-03/06/75-17- 8- 0.0-C- - 9.2- 130-	6-4- - - - - -1- -4-3-1-2- -3-9- - - 1-	1.00
08-37.3561-105.8083-2-06-	0-C28848-03/08/75-14- 7- 0.2-C- - 8.5- 244-	9-4-7- - -3-3-1- -4-3-2-2- -1-9- - - 1-	0.10
08-37.3339-105.9017-2-06-	0-C28849-03/08/75-15- 7-12.5-C- - 8.5- 210-	10-4-7- - -3-3-1- -4-3-2-2- -3-9- - - 1-	1.17
08-37.3142-105.8010-2-06-	0-C28850-03/08/75-16- 6- 0.1-C- - 8.1- 200-	1-4-7- - -3-3-1- -4-3-2-2- -1-9- - 70- 1-	0.10
08-37.2981-105.8003-2-06-	0-C28851-03/08/75-16- 0-12.0-C- - 8.6- 170-	9-4-7- - -3-3-1- -4-4-2-2- -1-9- - - 1-	1.50
08-37.2250-105.9032-2-06-	0-C28852-03/08/75-17- 3-15.8-C- - 8.1- 140-	3-4- - - - - -1- -4-2-2-2- -1-9- - - 1-	1.60
08-37.1911-105.8844-2-06-	0-C28853-03/09/75- 9- 3-17.0-C- - 8.3- 130-	6-4- - - -3-3-1- -6-3-3-1- -3-9- 8- - 1-	0.47
08-37.1508-105.9699-2-07-	0-C28855-03/09/75-11- 2- 4.5-C- - 5.7- 143-	7- - -3- -2-2-1-3-4-3-1-1- -3- - - - -	0.10
08-37.2139-105.9558-2-06-	0-C28856-03/09/75-12- 7- 0.3-C- - 7.6- 210-	4-4- -3-6-2-2-1- -7- -1-1- -3-9- 3- - 1-	0.10
08-37.2136-105.9459-2-06-	0-C28857-03/09/75-10- 5-14.8-C- - 8.1- 130-	6-4- -4-6-3-3-1- -4-3-1-1- -3-6- 7- - -	1.12
08-37.2397-105.9458-2-06-	0-C28858-03/09/75-13- 0-10.8-C- - 8.3- 101-	12-4- -3-6-3-3-1- -4-3-1-1- -3-6- 8- - -	0.36
08-37.1744-105.9878-2-06-	0-C28859-03/09/75-14- 6- 4.9-C- - 9.2- 440-	4-4- -3-7-3-3-1- -4-3-1-1- -9-9- -125- -	1.75
08-37.1375-105.9058-2-06-	0-C28860-03/09/75-14- 5-12.8-C- - 7.6- 183-	0-4- -3-7-4-3-1- -4-3-1-1- -3-9- - - -	0.67
08-37.2100-105.9083-2-06-	0-C28861-03/09/75-15- 11-15.2-C- - 8.5- 122-	6-4- -4-6-3-3-1- -4-3-1-1- -3-6-10- - -	0.88
08-37.2428-105.8783-2-07-	0-C28863-03/10/75-10- 5- 2.1-C- - 7.3- 171-	12-1-6-4-6-3-3-1-1-2-3-1-1- -3- - - - -	0.18
08-37.0908-105.8019-2-10-	0-C28869-03/10/75-16- 8-12.5-C- - 8.5- 100-	13-1-8-6-6-1-2-3- -3-2-3-2- -1- - - - -	0.10
08-37.1597-105.3831-2-07-	0-C28885-03/12/75-12- -2- 1.0-C- - 9.2- 210-	17-1-1-3-1-3-3-3-3-3-2-3-1- -4- - - - -	5.65
08-37.1839-105.4253-2-07-	0-C28886-03/12/75-12- 2- 1.5-C- - 8.7- 220-	10-1-0-4-6-3-3-2-3-4-3-4-1- -3- - - - -	5.02
08-37.2258-105.9906-2-06-	0-C28893-03/13/75- 9- 3- 3.3-C- - 7.5- 150-	12-4-7-3-6-3-3-1- -4-3-1-1- -3-8- - - -	0.16
08-37.2403-105.9444-2-06-	0-C28894-03/13/75- 9- 2-14.5-C- - 7.6- 140-	10-4-7-4-6-4-3-1- -4-2-1-1- -3-8- 5- - -	0.88
08-37.3067-105.9934-2-06-	0-C28895-03/13/75-13- 6- 0.5-C- - 8.2- 130-	12-4-7- - -2-3-1- -4-3-1-1- -3-6-10- - -	0.23
08-37.4006-105.0811-2-07-	0-C28896-04/02/75-15- 11- 0.5- - - 7.8- 212-	10-3-6-4-6-3-3-1-2-1-3-4-2- -1- - - - -	1.71
08-37.4233-105.8744-2-07-	0-C28897-03/17/75- 9- 6- 2.5-C- - 5.7- 500-	7-1-3-5-6-3-3-4-1-4-3-1-1- -3- - - - -	5.14
08-37.3889-105.8736-2-06-	0-C28898-03/17/75- 9- 5-10.2-C- - 8.1- 250-	9-1-3-5-6-2-3-1- -3-3-1-1- -3-9- 3- - 1-	0.10
08-37.4592-105.8650-2-06-	0-C28899-03/17/75-10- 6-26.8-C- - 8.0- 200-	10-1-7-4-6-4-3-1- -7-3-1-1- -9-6- 9- - -	0.36
08-37.4361-105.8381-2-06-	0-C28900-03/17/75-10- 0-11.9-C- - 8.9- 250-	14-1-7-5-6-3-3-1- -4-3-1-1- -3-9- 4- - 1-	0.10
08-37.4250-105.8036-2-06-	0-C28901-03/17/75-11- 6-15.6-C- - 8.6- 230-	10-1-9-6-6-3-3-1- -4-3-1-1- -3-9- 4- - 1-	1.10
08-37.4108-105.8175-2-09-	0-C28902-03/17/75-11- 5- 7.5-C- - 7.4- 1800-	14-1-7-4-6-1-3-5- -6-3-1-2- -3- - - - -	19.80#
08-37.4003-105.8272-2-06-	0-C28903-03/17/75-11- 0-11.1-C- - 8.3- 250-	0-1-3-6-6-2-2-1- -3-3-1-2- -3-9- 4- - 1-	0.45
08-37.3950-105.8011-2-06-	0-C28904-03/17/75-12- 11-12.2-C- - 8.1- 220-	0-1-7-6-6-3-3-1- -4-2-1-2- -3-9- 4- - 1-	0.10
08-37.3828-105.8236-2-06-	0-C28905-03/17/75-12- 0- 2.4-C- - 8.9- 300-	12-1-7-6-6-2-2-1- -4-4-1-2- -3-9- 2- - 1-	0.97
08-37.4897-105.8292-2-08-	0-C28907-03/17/75-14- 10-22.6-C- - 8.2- 240-	12-1-7-4-6-4-3-1- -3-3-1-2- -3-9- 4- - 1-	0.25
08-37.4953-105.7862-2-06-	0-C28908-03/17/75-14- 16-10.0-C- - 8.9- 220-	12-1-7-4-6-2-3-1- -3-3-1-2- -3-9- 8- - 1-	0.10
08-37.4661-105.7842-2-06-	0-C28909-03/17/75-14- 17-22.5-C- - 8.7- 230-	15-1-3-5-6-4-3-1- -4-3-1-2- -3-8- 8- - -	4.41
08-37.4439-105.7753-2-06-	0-C28910-03/17/75-14- 13-10.8-C- - 9.0- 500-	9-1-7-6-7-2-2-2- -4-3-1-2- -3- - - - -	5.16

APPENDIX B (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08-37.4306-105.7647-2-08-	0-C28911-03/17/75-15- 16-23,4-C- - 8.1- 500- 15-1-7-5-6-4-3-1- -6-3-1-2- -3-9-10- - 1-	2.45
08-37.4372-105.7451-2-08-	0-C28912-03/17/75-15- 12-14,6-C- - 8.3- 120- 7-1-9-4-6-3-3-1- -6-4-2-2- -3-9- 5- - 1-	1.32
08-37.4739-105.7491-2-08-	0-C28913-03/17/75-15- 11-12,6-C- - 8.8- 100- 12-1-7-4-6-2-3-1- -2-3-2-2- -3-9- 4- - 1-	1.18
08-37.4928-105.7357-2-09-	0-C28914-03/17/75-15- 13-15,5-C- -10.5- 700- 15-1-3-6-6-1-2-2- -4-2-2-2- -3- - - - -	1.59
08-37.4892-105.7381-2-08-	0-C28915-03/19/75-10- 10-13,2-C- - 8.4- 950- 12-1-1- - -2- -1- -1-3-1-1- -3-9- 3- - 1-	1.28
08-37.4897-105.6703-2-08-	0-C28916-03/18/75-11- 11-10,8-C- - 8.3- 110- 10-1-0- - -2- -1- -3-2-2-1- -3-9- 4- - 1-	2.38
08-37.3822-105.5858-2-08-	0-C28921-03/27/75-11- 2- 4,8-C- - 8.0- 270- 9-4- - - - - - -4-1-1-3- -9-3- 2- - -	2.21
08-37.0831-105.9094-2-08-	0-C28925-03/17/75-16- 12- 9,9-C- - 7.3- 200- 13-1-6- - -4- -1- -7-1-1-2- -3-4- - - -	0.38
08-37.2406-105.9772-2-08-	0-C28926-03/17/75-13- 16-12,7-C- - 7.8- 149- 10-1-6- - -4-3-1- -4-3-1-2- -3-9-20- - 1-	0.88
08-37.0686-105.9053-2-08-	0-C28927-03/17/75-17- 10- 0,8-C- - 5.6- 225- 7-1-6- - -5-3-1- -4-3-2-2- -3-3-20- - -	1.12
08-37.3758-105.9172-2-09-	0-C28928-03/16/75-11- 5- 4,9-C- - 9.2- 799- 11-4- -4-6- -2-2- -3-3-1-1- -9- - - - -	6.10
08-37.4006-105.9050-2-08-	0-C28929-03/16/75-12- 5-10,6-C- - 8.1- 220- 9-4- - - - - - -4-3-1-1- -9-9- 8-990- 1-	0.40
08-37.4789-105.9014-2-08-	0-C28930-03/16/75-13- 9-41,8-C- - 8.6- 430- 15-4- - - - - - -4-1-1-1- -9-9-10-990- 1-	2.79
08-37.4767-105.9475-2-08-	0-C28931-03/16/75-15- 9-20,9-C- - 8.5- 155- 14-4- - - - - - -3-2-1-1- -9-9-10-990- 1-	0.48
08-37.4564-105.9454-2-08-	0-C28932-03/16/75-16- 6-16,9-C- - 8.8- 255- 7-4- -6-6-1-2-2-1-4-3-1-1- -9- - - - -	3.21
08-37.4578-105.9161-2-07-	0-C28933-03/16/75-17- 9-11,5-C- - 8.3- 599- 9-4- -5-6-3-3-3-1-3-2-1-1- -9- - - - -	4.71
08-37.4303-105.9196-2-08-	0-C28934-03/17/75- 9- 4-27,1-C- - 8.0- 139- 12-4- - - - - - -4-3-1-1- -9-9-10-990- 1-	0.75
08-37.3936-105.9736-2-08-	0-C28935-03/17/75-10- 13-11,7-C- - 7.7- 213- 11-4- - - - - - -4-3-1-1- -9-9-10- - 1-	1.74
08-37.3797-105.9922-2-08-	0-C28936-03/17/75-11- 5-10,2-C- - 8.0- 240- 12-4- - - - - - -4-2-1-1- -9-9-10-990- 1-	1.31
08-37.3936-105.9367-2-08-	0-C28937-03/17/75-13- 13-14,1-C- - 8.2- 193- 10-4- - - - - - -4-2-1-1- -9-9- 4-990- 1-	1.44
08-37.4161-105.9458-2-08-	0-C28938-03/17/75-14- 12-25,0-C- - 7.8- 200- 10-4- - - - - - -4-3-1-2- -9-9-10-990- 1-	1.14
08-37.4183-105.9097-2-08-	0-C28939-03/17/75-14- 16-16,1-C- - 8.2- 210- 12-4- - - - - - -4-2-1-2- -9-9-10- - 1-	1.14
08-37.4308-105.9822-2-08-	0-C28940-03/17/75-15- 15-16,1-C- - 8.1- 192- 11-4- - - - - - -4-2-1-2- -9-9-10-500- 1-	1.38
08-37.4453-105.9742-2-08-	0-C28941-03/17/75-15- 15-14,8-C- - 8.2- 220- 17-4- - - - - - -2-2-1-2- -9-9-10- - 1-	0.56
08-37.4653-105.9092-2-08-	0-C28942-03/17/75-16- 16-27,3-C- - 8.3- 172- 21-4- - - - - - -4-3-1-2- -9-9-12- - 1-	0.33
08-37.4972-105.9681-2-10-	0-C28943-03/17/75-17- 5-10,5-C- - 8.9- 170- 17-4- -4-6- -3-2- -4-2-1-2- -9- - - - -	0.65
08-37.7069-105.3492-2-07-	0-C28944-04/10/75-13- 10-15,2- - - 8.2- 180- 12-3-1-3-4-2-2-1-2-1-3-4-1- -1- - - - -	0.04
08-37.3517-105.3400-2-07-	0-C28945-03/24/75-11- 10- 3,1- - - 7.7- 221- 9-4- -4-6-2-2-2-2-3-3-4-1- -1- - - - -	1.36
08-37.3253-105.3094-2-07-	0-C28947-03/24/75-14- 10- 9,1-C- - 7.7- 182- 6-4- -3-4-2-2-1-2-7-3-5-1- -1- - - - -	1.95
08-37.1264-105.2656-2-07-	0-C28949-03/06/75-16- 4- 0,9-C- - 7.1- 52- 33-2-0-4-7-4-3-1-2-2-3-4-1- -1- - - - -	0.72
08-37.1503-105.2922-2-08-	0-C28950-03/06/75- 9- 12- 0,0-C- - 7.6- 4600- 9-4- - - - - -1- -1-3-4-1- -1-5- 6- 76- 16-	4.51
08-37.5258-105.6457-2-08-	0-C28951-03/19/75-16- 12- -C- - 8.4- 90- 12-1-6- - -2-2-1- -3-2-1-3- -3-9- 3- - 1-	0.37
08-37.5169-105.7464-2-08-	0-C28952-03/20/75-10- -1-15,0-C- - 9.6- 210- 9-1-2- - -3-3-1- -3-3-1-3- -3-9- 6- - 1-	0.83
08-37.5042-105.6917-2-08-	0-C28953-03/20/75-11- -2-10,4-C- - 9.0- 70- 12-1-0- - -3-3-1- -3-2-2-3- -3-9- 4- - 1-	0.87
08-37.5061-105.6606-2-08-	0-C28954-03/20/75-12- -1-11,3-C- - 8.8- 30- 12-1-0- - -3-3-1- -3-3-1-3- -3-9- 3- - 1-	2.22
08-37.5397-105.6392-2-08-	0-C28955-03/20/75-13- 1-11,8-C- - 8.7- 80- 15-1-9- - -3-3-1- -3-2-2-2- -3-9- 3- - 1-	0.61
08-37.5700-105.6456-2-08-	0-C28956-03/20/75-14- -11,8-C- - 6.2- 120- 15-1-2- - -3-3-1- -3-3-1-1- -3-9- 2-110- 1-	0.10
08-37.5667-105.6194-2-08-	0-C28957-03/20/75-13- 4- 0,0-C- - 8.3- 30- 9-1-1- - -3-3-1- -2-2-2-1- -9-7- 2-200- -	0.10
08-37.6056-105.6192-2-08-	0-C28958-03/20/75-16- -1-12,0-C- - 7.8- 130- 12-1-2- - -2-3-3- -3-3-2-1- -3-9- 3- - 1-	1.49
08-37.5481-105.6705-2-08-	0-C28959-03/22/75-10- 2-12,2-C- - 8.0- 20- 6-1-2- - -3-3-1- -3-3-1-1- -3-9- 4-15- 50-	0.45
08-37.5667-105.7214-2-08-	0-C28962-03/22/75-11- 10- 0,0-C- - 8.9- 270- 15-1-2- - -3-3-1- -3-3-1-1- -3-9- 4- -150-	2.16
08-37.5614-105.7494-2-08-	0-C28964-03/22/75-12- 13-16,9-C- - 8.7- 500- 4-1-2- - -3-3-1- -3-3-2-1- -3-9- 3- - 1-	0.27
08-37.5203-105.7106-2-08-	0-C28965-03/22/75-15- 14-14,0-C- - 8.3- 170- 15-1-2- - -3-3-1- -3-3-2-1- -3-9- 4- - 1-	0.25
08-37.6456-105.6244-2-08-	0-C28966-03/25/75-10- 14-12,8-C- - 8.5- 140- 24-1-7- - -3-3-1- -3-2-2-2- -3-9- 2- - 1-	0.31
08-37.6686-105.6158-2-08-	0-C28967-03/25/75-11- 16-13,1-C- - 8.2- 120- 19-1-7- - -3-3-1- -3-2-2-2- -3-9- 3- - 1-	0.60
08-37.6567-105.5092-2-08-	0-C28969-03/25/75-11- 17-11,5-C- - 8.1- 130- 14-1-1- - -3-3-1- -3-2-2-2- -3-9- 3- - 1-	1.85
08-37.3881-105.4842-2-08-	0-C28970-03/20/75-16- 2- 8,0-C- - 8.0- 500- 10-4- - - - -1- -4-3-1-1- -1-9- - - 1-	20.20*
08-37.3994-105.4497-2-08-	0-C28971-03/20/75-17- 1- 6,0- - - 7.2- 395- 14-4- - - - -1- -3-2-1-1- -1-3- 4-140-110-	12.30*
08-37.5203-105.9828-2-08-	0-C28972-03/17/75-13- 13-20,0-C- - 8.6- 150- 14-4- - - -3- -1- -3-3-1-2- -1-9-16- - 1-	0.23
08-37.5250-105.8831-2-08-	0-C28973-03/17/75-14- 18-20,0-C- - 8.8- 240- 10- - - -3- -1- -4-3-1-2- -1-9-14- - 1-	0.99
08-37.5172-105.8947-2-08-	0-C28974-03/17/75-15- 17- 0,0- - - 8.7- 200- 10- - - -3- -1- -4-3-1-2- -1-3- 1- - -	0.18

APPENDIX B (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	U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08-37.5606-105.9008-2-06-	0-C28975-03/17/75-12- 12- 0.1- - - 7.8- 320- 15-4- - - -3- -1- -4-3-1-2- -1-3- 1- - -	1.90
08-37.5694-105.9303-2-08-	0-C28976-03/17/75-16- 11-20.0-C- - 8.1- 511- 11-4- - - -3- -1- -4-3-1-2- -1-9- 2- - 1-	0.18
08-37.5817-105.9272-2-08-	0-C28977-03/17/75-15- 9-11.2-C- - 7.8- 770- 16-4- - - -3- -1- -3-3-1-2- - -9- 3- - 1-	0.63
08-37.5161-105.8617-2-08-	0-C28978-03/18/75- 9- 7-28.0-C- - 8.8- 211- 11-4- - - - - -1- -4-3-1-1- -1-9-12-390- 1-	0.51
08-37.5181-105.8200-2-08-	0-C28979-03/18/75-10- 8-12.0-C- - 8.2- 400- 14-4- - - - - - - -4-3-1-1- -9-9- 2- - 1-	2.76
08-37.5178-105.7836-2-08-	0-C28980-03/18/75-10- 4- 0.8-C- - 8.8- 455- 14-4- - - - - - - -3-2-1-1- -3-9- 4-500- 1-	4.12
08-37.5492-105.7772-2-08-	0-C28981-03/18/75-11- 10-21.9-C- - 8.3- 439- 14-4- - - - - - - -4-2-1-1- -9-9- 4- - 1-	0.10
08-37.5689-105.8242-2-08-	0-C28982-03/18/75-11- 8- 7.2-C- - 7.9- 490- 17-4- - - - - - - -3-2-1-1- -9-9- 1- 13- -	1.43
08-37.5614-105.8208-2-08-	0-C28983-03/18/75-12- 12-21.6-C- - 8.6- 318- 12-4- - - - - -2- -4-2-1-1- -3-9- 2- - 1-	0.21
08-37.5761-105.7456-2-06-	0-C28984-03/18/75-13- 12-11.5-C- - 8.0- 2200- 14-4- - - - - -1- -3-2-1-1- -3-9- 4- - 1-	0.36
08-37.6006-105.8378-2-08-	0-C28985-03/18/75-14- 9-17.9-C- - 7.6- 2420- 11-4- - - - - -2- -3-2-1-1- -9-9- 3- - 1-	0.49
08-37.6111-105.8611-2-08-	0-C28986-03/18/75-15- 9-17.1-C- - 7.7- 2000- 15-4- - - - - -3- -6-3-1-1- -1-9- 3- - 1-	0.46
08-37.5997-105.9557-2-06-	0-C28987-03/18/75-14- 9-14.0-C- - 7.8- 2050- 11-4- - - -2- -2- -3-2-1-1- -1-9- 3- - 1-	0.10
08-37.5547-105.8472-2-08-	0-C28988-03/18/75-16- 15-29.0-C- - 9.5- 239- 15-4- - - -4- -1- -3-2-1-1- -1-9-12- - 1-	0.63
08-37.4258-105.4292-2-08-	0-C28989-03/19/75-11- 7- 0.9-C- - 7.1- 131- 5-3-6- - - - -1- -3-2-4-3- -9-4-10- - -	0.66
08-37.3758-105.6557-2-07-	0-C28990-03/19/75-14- 16- -C- - - - 14-1-7-4-7- -1- -2-3-2-4-2- -3- - - - -	2.54
08-37.4172-105.5242-2-08-	0-C28993-03/19/75-15- 17-13.2-C- - 6.9- 600- 10-1-7- - -3- -1- -2-3-2-2- -9-9- 3-110- 15-	30.20*
08-37.4356-105.5153-2-08-	0-C28994-03/19/75-16- 14- 7.5-C- - 8.1- 230- 10-1-9- - -3- -1- -2-3-2-2- -9-9- 6- - -	5.32
08-37.4986-105.5158-2-06-	0-C28995-03/19/75-16- 10- 0.5-C- - 8.9- 100- 6-1-7-3-7-3-3-1- -4-3-4-2- -3- - - - -	0.32
08-37.4981-105.5417-2-10-	0-C28996-03/19/75-10- 8- 5.2-C- - 7.5- 130- 14-1-7-4-6-3-3-2- -3-2-3-3- -3- - - - -	0.16
08-37.3944-105.5200-2-07-	0-C28999-03/19/75-12- 13- 3.8-C- - 8.7- 490- 12-1-9-6-6-3-3-1-1-2-3-1-3- -3- - - - -	5.76
08-37.4017-105.5139-2-07-	0-C29000-03/19/75-14- 10- 8.5-C- - 7.4- 310- 4-1-7-5-6-3-3-1-1-2-3-1-3- -3- - - - -	2.43
08-37.4417-105.5539-2-08-	0-C29002-03/19/75-15- 10- 3.2-C- - 9.5- 330- 9-1-7- - -3-3-1- -2-2-1-3- -9-9- 3- - -	11.60*
08-37.3886-105.4178-2-06-	0-C29009-03/19/75-13- 12- 0.2-C- - 5.9- 282- 10-4- - - - - -1- -4-2-1-6- -9-8-12- - -	4.62
08-37.3919-105.4072-2-07-	0-C29010-03/19/75-14- 10- 7.2- - - 8.7- 220- 14-3-7-3-6-3-3-1-2-3-2-3-3- -3- - - - -	4.72
08-37.4472-105.4250-2-07-	0-C29011-03/19/75-15- 8- 5.0- - - 7.9- 30- 4-4- -2-1-3-3-1-2-4-3-3-3- -3- - - - -	0.49
08-37.4167-105.4492-2-08-	0-C29019-03/20/75-15- 1- 0.0-C- - 5.9- 339- 11-4- - - - - -1- -4-3-1-1- -9-4-10- - -	1.74
08-37.6186-105.7247-2-08-	0-C29022-03/23/75-11- 9-13.0-C- - 5.7- 2500- 15-1-9- - -3-3-1- -3-3-2-3- -3-9- 4- - 1-	0.16
08-37.6183-105.5492-2-07-	0-C29023-03/23/75-12- 5- 2.5-C- - 7.5- 110- 4-1-7-2-7-2-2-1-2-1-4-3-2- -2- - - - -	0.24
08-37.6067-105.5842-2-06-	0-C29024-03/23/75-13- 15- 1.1-C- - 5.5- 250- 7-1-1-2-4-2-2-1-2-1-2-4-3- -3- - - - -	0.93
08-37.5403-105.5351-2-07-	0-C29030-03/24/75-10- 11- 1.8-C- - 8.6- 80- 7-1-1-2-1-3-3-1-2-1-3-5-1- -2- - - - -	0.17
08-37.6353-105.6025-2-08-	0-C29033-03/25/75-12- 17-10.0-C- - 7.9- 130- 18-1-1- - -3-3-1- -4-2-2-2- -3-9- 2- - 1-	1.09
08-37.6400-105.5451-2-07-	0-C29037-03/25/75-14- 11- 1.5-C- - 7.8- 100- 7-1-1-2-1-2-2-1-2-1-3-5-2- -1- - - - -	0.77
08-37.6461-105.5454-2-07-	0-C29038-03/25/75-16- 11- 3.0-C- - 7.2- 70- 9-1-1-4-6-3-3-1-2-2-3-4-2- -1- - - - -	0.36
08-37.3364-105.9417-2-10-	0-C29039-03/24/75-17- 10-11.5-C- - 9.2- 3230- 10-4- - - -2-2-1- -3-3-1-1- -3- - - - -	12.50*
08-37.7194-105.9956-2-08-	0-C29040-03/26/75-15- 7-15.6-C- - 8.0- 199- 17-4- - - - - - - -4-2-1-1- -9-9- 3-500- 1-	0.39
08-37.3067-105.7372-2-06-	0-C29047-03/30/75-11- 3-10.0-C- - 7.8- 70- 12-1-8-2-6-1-3-2-1-6-3-2-1- -3- - - - -	8.10*
08-37.3164-105.6951-2-08-	0-C29048-03/30/75-11- 5-10.0-C- - 8.0- 240- 9-1-3-3-6- - - - -4-1-1-1- -1-3- 6-200- 60-	3.24
08-37.3156-105.7072-2-06-	0-C29050-03/30/75-13- 4-10.0- - - 7.6- 70- 12-1-8-2-1-1-2-1- -4-3-1-1- -1- - - - -	24.00*
08-37.3486-105.7236-2-08-	0-C29051-03/30/75-13- 6-11.0- - - 9.0- 150- 13-1-2-5-2-2-3-1-3-4-3-1-1- - - - - - 1-	19.70*
08-37.3928-105.7633-2-08-	0-C29052-03/30/75-14- 7-15.0-C- - 7.8- 180- 12-1-1-3-6-4-1-1-3-3-2-2-1- - - - - - 1-	0.21
08-37.5467-105.8200-2-08-	0-C29054-03/31/75-11- 7-12.0-C- - 9.0- 320- 15-1-5-6-6-2-2-1- -4-3-1-1- -1- - - - 1-	0.10
08-37.9833-105.6022-2-07-	0-C29056-04/01/75-12- 20-12.1-C- - 7.5- 113- 5-1-7-1-6-2-1-1-2-2-4-3-1- -7- - - - -	0.10
08-37.5397-105.7992-2-08-	0-C29057-03/31/75- 9- 9- 0.0-C- - 8.3- 250- 13-1-5-4-6-2-3-1-3-4-3-1-1- -3- - - - 1-	0.10
08-37.6836-105.5257-2-07-	0-C29059-03/25/75-16- 13- 4.2-C- - 7.3- 220- 5-1-1-4-1-2-2-1-1-3-5-2- -2- - - - -	4.50
08-37.6997-105.5236-2-06-	0-C29060-03/26/75-11- 1- 5.2-C- - 5.4- 310- 10-1-7-4-7-2-3-1- -1-3-5-2- -1- - - - -	10.80*
08-37.7175-105.5008-2-07-	0-C29061-03/26/75-11- 3- 0.4-C- - 7.4- 220- 9-1-1-4-1-2-2-1-2-1-3-5-2- -1- - - - -	1.87
08-37.7347-105.5078-2-07-	0-C29062-03/26/75-12- 2- 2.5-C- - 7.9- 180- 12-1-7-4-7-3-7-1-2-2-4-4-2- -8- - - - -	0.30
08-37.7339-105.5049-2-06-	0-C29063-03/26/75-13- 1- 1.0-C- - 7.6- 190- 15-1-7-4-7-2-2-1- -2-4-3-2- -8- - - - -	0.78
08-37.6547-105.6469-2-08-	0-C29066-03/26/75-15- 10-12.0-C- - 9.7- 450- 14-1-7-4-7-2-2-1- -3-3-2-1- -3-9- 2- - 1-	0.10
08-37.6561-105.6814-2-08-	0-C29067-03/26/75-16- 6-16.0-C- - 8.3- 300- 9-1-2-4-7-3-3-3- -4-3-1-1- -3-9- 2- - 1-	1.24

APPENDIX B (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-...-pH-SPECIFIC CONDUCTANCE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA (continued)	CONCENTRATION: WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC; UNITS IN ppb
08-37.6436-105.7336-2-08-	0-C29070-03/27/76- 8- -1-17.2-C- - 5.3- 280-	14-1-3- - -3-3-3- -3-3-1-1- -3-9-10- - 1-	0.38
08-37.6364-105.7075-2-09-	0-C29071-03/27/76- 9- -1- 3.2-C- - 9.3- 150-	15-1-3-5-7-1-3-3- -3-3-1-1- -3- - - - -	1.07
08-37.6631-105.6614-2-09-	0-C29072-03/27/76- 9- 4- 4.8-C- - 8.9- 500-	15-1-3-4-6-1-2-3- -3-2-2-1- -3- - - - -	0.55
08-37.6700-105.6614-2-08-	0-C29073-03/27/76- 9- 4-15.5-C- - 7.8- 1100-	12-1-3- - -3-3-1- -3-2-2-1- -3-9- 2- - 1-	0.55
08-37.7222-105.7250-2-09-	0-C29074-03/27/76-10- 2- 5.1-C- - 8.6- 180-	15-1-3-4-7-3-3-3- -3-3-1-2- -3- - - - -	1.04
08-37.7364-105.7394-2-08-	0-C29075-03/27/76-11- 11-12.5-C- - 7.6- 130-	14-1-3- - -3-3-1- -3-3-1-2- -3-9- 2- - 1-	0.10
08-37.7422-105.6981-2-08-	0-C29076-03/27/76-11- 9-12.9-C- - 8.9- 500-	15-1-3- - -3-3-1- -3-3-1-2- -3-9- 2- - 1-	0.54
08-37.7344-105.6650-2-07-	0-C29077-03/27/76-13- 7-13.1-C- - 8.0- 150-	9-1-3-4-6-3-3-2-1-4-3-2-2- -3- - - - -	0.77
08-37.7031-105.6369-2-08-	0-C29078-03/27/76-14- 11-16.1-C- - 8.9- 1050-	9-1-3- - -3-3-3- -3-3-1-2- -3-9- 3- - 1-	0.68
08-37.7164-105.6336-2-07-	0-C29079-03/27/76-14- 11-14.0-C- - 8.3- 140-	6-1-3-4-6-3-3-1-1-3-3-2-2- -3- - - - -	0.95
08-37.7211-105.6478-2-08-	0-C29080-03/27/76-15- 10-12.0-C- - 8.1- 550-	12-1-3- - -3-3-1- -3-3-1-2- -3-9- 3- - 1-	0.67
08-37.7067-105.6851-2-08-	0-C29081-03/27/76-15- 8-10.0-C- - 7.5- 370-	10-1-3- - -3-3-1- -4-3-1-2- -3-9- 2- - 1-	0.18
08-37.7008-105.7000-2-08-	0-C29082-03/27/76-15- 7-13.1-C- - 7.7- 1400-	18-1-3- - -3-3-1- -3-2-2-2- -3-9- 1- - 1-	0.37
08-37.6978-105.6719-2-10-	0-C29083-03/29/76-10- 1- 3.4-C- - 7.8- 280-	15-1-3-4-7-3-3-1- -3-3-2-3- -3- - - - -	1.31
08-37.7153-105.7081-2-07-	0-C29084-03/29/76-11- 1- 3.0-C- - 7.3- 145-	12-1-3-4-7-3-3-3-1-3-3-1-3- -3- - - - -	0.80
08-37.6756-105.7322-2-10-	0-C29085-03/29/76-12- -2- 6.0-C- - 9.3- 5000-	13-1-3-6-7-3-3-3- -3-3-2-2- -3- - - - -	16.90*
08-37.6825-105.7286-2-10-	0-C29086-03/29/76-13- -1- 7.4-C- - 7.7- 320-	14-1-3-4-7-3-3-1-1-3-3-2-3- -3- - - - -	0.63
08-37.7161-105.7478-2-07-	0-C29087-03/29/76-14- -4- 1.0-C- - 8.4- 500-	14-1-3-4-6-3-3-2-1-2-3-2-5- -3- - - - -	2.74
08-37.6331-105.8564-2-08-	0-C29088-03/30/76-10- -2-11.0-C- - 8.3- 1000-	17-1-3- - -3-3-3- -2-2-1-1- -3-9- 2- - 1-	0.70
08-37.6569-105.7092-2-08-	0-C29090-03/30/76-11- -5-12.0-C- - 7.7- 1000-	14-1-3- - -3-3-3- -3-2-1-1- - -9- 2- - 14-	7.59
08-37.6478-105.8351-2-08-	0-C29091-03/30/76-11- -3-13.2-C- - 8.7- 2100-	20-1-3- - -3-3-3- -4-3-1-2- -3-9- 2- - 1-	0.24
08-37.6517-105.8658-2-08-	0-C29092-03/30/76-11- -1-20.5-C- - 8.2- 1800-	10-1-3- - -3-3-3- -3-2-1-2- -7-9- 2- - 1-	0.10
08-37.6717-105.8178-2-08-	0-C29093-03/30/76-11- 2-15.0-C- - 7.9- 2500-	17-1-3- - -3-3-1- -3-2-1-2- -3-9- 2- - 1-	0.58
08-37.6633-105.8291-2-08-	0-C29094-03/30/76-12- 1-14.5-C- - 8.0- 2000-	10-1-3- - -3-3-2- -4-2-1-2- -3-9- 3- - 1-	0.40
08-37.6797-105.7808-2-08-	0-C29095-03/30/76-12- -1-14.0-C- - 7.4- 1600-	12-1-7- - -3-3-2- -3-3-1-2- -3-9- 4- - 1-	0.58
08-37.6622-105.8081-2-08-	0-C29096-03/30/76-13- -1-11.0-C- - 7.7- 1400-	12-1-7- - -3-3-2- -4-3-1-2- -3-9- 2- - 1-	0.37
08-37.6917-105.8269-2-08-	0-C29097-03/30/76-14- 1-12.8-C- - 8.2- 1200-	15-1-7- - -3-3-2- -4-2-1-2- -3-9- 2- - 1-	0.10
08-37.7217-105.8181-2-08-	0-C29098-03/30/76-14- 2-13.0-C- - 7.9- 1300-	14-1-3- - -2-2-2- -4-3-1-2- -3-9- 2- - 1-	0.67
08-37.7219-105.7094-2-08-	0-C29099-03/30/76-15- 1-13.3-C- - 7.4- 1200-	17-1-3- - -3-3-2- -3-3-1-2- -3-9- 2- - 1-	0.18
08-37.7058-105.7742-2-08-	0-C29100-03/30/76-15- 1-11.0-C- - 7.5- 130-	7-1-3- - -3-3-1- -3-3-1-2- -3-9- 2- - 1-	0.10
08-37.7367-105.7792-2-08-	0-C29101-03/30/76-16- 2-13.1-C- - 7.4- 1400-	14-1-7- - -3-3-1- -3-2-1-2- -3-9- 2- - 1-	0.81
08-37.7344-105.7597-2-08-	0-C29102-03/30/76-15- -1-12.5-C- - 7.2- 190-	10-1-0- - -3-3-1- -4-3-1-2- -3-9- 3- - 1-	0.27
08-37.7069-105.8608-2-08-	0-C29103-03/30/76-15- -2-12.8-C- - 7.5- 2200-	15-1-7- - -3-3-2- -3-2-1-2- -3- - 2- - 1-	0.46
08-37.6956-105.8542-2-08-	0-C29104-03/31/76- 9- 2-30.0-C- - 8.3- 500-	17-1-7- - -3-3-2- -4-3-1-1- -3-9- 1- - 1-	0.24
08-37.7058-105.8703-2-08-	0-C29105-03/31/76-10- 4-20.1-C- - 7.8- 420-	12-1-3- - -3-3-1- -3-3-1-1- -3-9-10- - 1-	0.28
08-37.7219-105.8356-2-08-	0-C29106-03/31/76-11- 4-16.5-C- - 7.8- 2300-	10-1-3- - -3-3-1- -4-2-1-1- -3-9- 3- - 1-	0.27
08-37.7358-105.8356-2-08-	0-C29107-03/31/76-11- 6- 9.2-C- - 8.5- 300-	14-1-3- - -3-3-2- -3-3-1-1- -3-9- 1- - 1-	0.52
08-37.7356-105.8539-2-08-	0-C29108-03/31/76-12- 6-14.0-C- - 7.7- 1500-	6-1-3- - -3-3-2- -4-3-1-1- -3-9- 1- - 1-	0.32
08-37.6872-105.8725-2-08-	0-C29109-03/31/76-12- 6-14.1-C- - 9.4- 900-	18-1-3- - -3-3-3- -4-3-1-1- -3-9- 1- - 1-	2.27
08-37.4614-105.3357-2-07-	0-C29113-04/01/76-10- 11- 5.0-C- - 7.7- 320-	10-1-7-4-7-3-3-1-2-2-3-3-1- -3- - - - -	1.70
08-37.6325-105.9919-2-08-	0-C29118-03/27/76-14- 10-12.0-C- - 8.4- 136-	18-4- - - - - - -4-2-1-2- -3-9- 3- - 1-	0.10
08-37.6403-105.9017-2-08-	0-C29119-03/27/76-15- 6-10.0-C- - 8.5- 1250-	17-4- - - - - - -4-2-1-2- -3-9- 2- - 1-	0.10
08-37.6603-105.9269-2-08-	0-C29120-03/27/76-15- 4- 9.0-C- - 8.8- 315-	12-4- - - - -4-2- -1-2-1-2- -3- - - - -	0.54
08-37.6758-105.9458-2-08-	0-C29121-03/27/76-16- 5- 8.6-C- - 5.9- 700-	12-4- - - - - - -4-2-1-2- -3- -10- - -	3.90
08-37.6914-105.9619-2-08-	0-C29122-03/27/76-17- 6- 7.6-C- - 8.9- 125-	15-4- - - - - - -4-2-1-2- -1-9- - - 1-	0.10
08-37.3756-105.3094-2-07-	0-C29123-04/29/76-14- 20-12.2- - - 7.4- 108-	12-3-1-4-1-3-3-1-2-3-1-3-1- -3- - - - -	2.06
08-37.0603-105.9650-2-08-	0-C29124-03/29/76-14- -1- 6.5-C- - 5.9- 118-	4- - - - - - - -4-2-2-3- -3-9- - - -	0.10
08-37.0800-105.9203-2-08-	0-C29126-03/29/76-15- -4- 7.9- - - 5.7- 200-	12- - - - - - - -3-3-3-3- -3-6-10- - -	0.53
08-37.0942-105.9183-2-08-	0-C29127-03/29/76-16- -5- 9.0-C- - 5.4- 230-	10-4- - - - - - -4-2-1-5- -3-6-10- - 5-	2.13
08-37.1817-105.9722-2-08-	0-C29128-03/29/76-17- -2- 7.0-C- - 7.4- 320-	7-4- - - - - - -4-3-1-3- -3-3-10- - -	1.77
08-37.6914-105.9267-2-08-	0-C29129-03/30/76-18- - 2.1-C- - 8.7- 545-	19-4- - - - - - -4-2-1-1- -9-6- -400- -	39.30*

APPENDIX B (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE)	LASL SAMPLE LOCATION NUMBER AND TIME SAMPLED	FIELD DATA		CONCENTRATION IN WATER SAMPLES ANALYZED BY FLUOROMETRY
08-37.7167-105.8011-2-08-	0-C29130-03/30/76-18-	-1- 7.3-C- - 8.5- 822-	10-4- - - - - - - -3-3-1-1- -3-2- 2- - 1-	0.45
08-37.7497-105.8003-2-08-	0-C29131-03/31/76-10-	6-10.0-C- - 7.4- 519-	10-4- - - - - - - -4-2-1-1- -9-6-10- - -	10.10°
08-37.7492-105.9272-2-08-	0-C29132-03/31/76-10-	5-10.8-C- - 7.3- 477-	15-4- - - - - - - -4-2-1-1- -9-6- 6-300- -	12.30°
08-37.7297-105.9636-2-08-	0-C29133-03/31/76-10-	5-10.7-C- - 8.2- 151-	14-4- - - - - - - -4-3-1-1- -9-6-10- - -	0.38
08-37.7269-105.9275-2-08-	0-C29134-03/31/76-11-	9-12.5-C- - 5.9- 239-	15-4- - - - - - - -4-2-1-1- -3-3- 4- - -	2.27
08-37.7117-105.9550-2-08-	0-C29135-03/31/76-11-	6-11.9-C- - 8.4- 320-	10-4- - - - - - - -4-2-1-1- -9-9- 2- - 1-	1.48
08-37.6931-105.8772-2-08-	0-C29136-03/31/76-12-	7-15.0-C- - 8.4- 799-	9-4- - - - - - - -4-2-1-1- -9-9- 2- - 1-	0.31
08-37.6839-105.9619-2-08-	0-C29137-03/31/76-12-	11-10.6-C- - 7.6- 210-	20-4- - - - - - - -4-2-1-1- -9-6-10- - -	0.53
08-37.6461-105.9454-2-08-	0-C29138-03/31/76-13-	7- 9.8-C- - 6.8- 501-	17-4- - - - - - - -4-2-1-1- -9-6-10- - -	4.18
08-37.6328-105.9608-2-08-	0-C29139-03/31/76-13-	14-12.4-C- - 7.8- 142-	12-4- - - - - - - -4-2-1-1- -9-0- 1- - 1-	0.20
08-37.8833-105.8975-2-07-	0-C29140-04/01/76-10-	6- 0.2- - - 5.4- 500-	9-4- -4-6-2-3-3-1-3-3-1-1- -3- - - - -	26.90°
08-37.9231-105.9025-2-08-	0-C29141-04/01/76-11-	14-15.5-C- - 7.3- 1850-	9-4- - - - - - - -3-3-1-1- -9-9- 1- - 1-	0.10
08-37.9161-105.9037-2-09-	0-C29142-04/01/76-12-	12-13.2-C- - 8.0- 1535-	9-4- -5-6- -2-3- -3-3-1-1- -3- - - - -	0.41
08-37.8861-105.9593-2-08-	0-C29143-04/01/76-14-	15-17.3-C- - 7.5- 1880-	14-4- - - - - - - -4-2-1-1- -3-3- 2- - 1-	0.36
08-37.9036-105.9458-2-07-	0-C29144-04/01/76-14-	16-16.8-C- - 8.3- 430-	7-4- -6-6-3-3-2-1-3-3-1-1- -9- - - - -	38.70°
08-37.9075-105.9656-2-07-	0-C29145-04/01/76-15-	14-17.2- - - 7.7- 500-	12-4- -5-6-3-3-3-1-3-3-1-2- -3- - - - -	19.10°
08-37.9053-105.9654-2-09-	0-C29146-04/01/76-15-	13-13.6-C- - 7.9- 555-	18-4- -4-6- -3-4- -4-3-1-2- -9- - - - -	3.40
08-37.9206-105.9806-2-08-	0-C29147-04/01/76-16-	14-15.3-C- - 7.2- 1720-	10-4- - - - - - - -4-2-1-2- -9-9- 2- - 1-	0.34
08-37.9519-105.9986-2-08-	0-C29148-04/01/76-17-	15-16.2-C- - 8.0- 830-	15-4- - - - - - - -4-2-1-2- -9-9- 8- - 1-	0.49
08-37.9867-105.9708-2-08-	0-C29149-04/01/76-17-	14-13.2- - - 7.5- 293-	14-4- - - - - - - -4-3-1-3- -3-9- - - -	0.55
08-37.9836-105.9083-2-08-	0-C29150-04/01/76-17-	12-12.5-C- - 8.6- 213-	17-4- - - - - - - -4-2-1-2- -3-3- - - 1-	0.10
08-37.9908-105.8831-2-08-	0-C29151-04/02/76-10-	9-12.5-C- - 7.6- 225-	6-3-4- - - - - - - -4-2-1-2- -9-9- 1-300- 1-	1.53
08-37.9914-105.8628-2-08-	0-C29152-04/02/76-11-	15-13.6-C- - 7.2- 164-	6-4- - - - - - - -4-2-1-2- -9-9- 2-500- 1-	0.10
08-37.9908-105.8011-2-08-	0-C29153-04/02/76-12-	17-13.8-C- - 7.3- 135-	12-4- - - - - - - -4-2-1-2- -9-9- 1-500- 1-	1.94
08-37.9708-105.7881-2-08-	0-C29154-04/02/76-14-	16-15.2-C- - 7.3- 153-	12-4- - - - - - - -4-2-1-2- -9-9- 2-500- 1-	0.10
08-37.9364-10 .7722-2-08-	0-C29155-04/02/76-14-	14-17.3-C- - 8.3- 252-	9-4- - - - - - - -4-2-1-2- -9-9- 2-300- 1-	0.51
08-37.9214-105.7886-2-08-	0-C29156-04/02/76-14-	20-22.1-C- - 7.8- 1400-	14-4- - - - - - - -4-2-1-2- -3-9- 2-300- 1-	0.19
08-37.8806-105.7711-2-08-	0-C29157-04/02/76-15-	17-14.9-C- - 7.2- 436-	10-4- - - - - - - -4-2-1-2- -7-9- 2- - 1-	0.19
08-37.9011-105.7610-2-08-	0-C29158-04/02/76-16-	10-25.5-C- - 7.7- 2500-	10-4- - - - - - - -4-2-1-2- -9-9- 2- - 1-	0.10
08-37.9783-105.9303-2-08-	0-C29159-04/03/76-10-	9-11.1-C- - 7.9- 244-	9-4- - - - - - - -3-3-1-1- -9-9- 2- - 1-	0.19
08-37.9642-105.9554-2-08-	0-C29160-04/03/76-11-	13-13.9-C- - 8.3- 330-	14-4- - - - - - - -4-2-1-1- -9-9- 1- - 1-	0.10
08-37.9708-105.9786-2-08-	0-C29161-04/03/76-11-	16-12.4-C- - 8.4- 331-	16-4- - - - - - - -3-2-1-1- -9-9- 1- - 1-	0.16
08-37.9375-105.9342-2-08-	0-C29162-04/03/76-12-	16-14.3-C- - 8.3- 550-	10-4- - - - - - - -4-2-1-1- -9-9- 2- - 1-	0.26
08-37.9697-105.8378-2-08-	0-C29163-04/03/76-13-	16-15.1-C- - 8.6- 252-	9-4- - - - - - - -3-2-1-1- -9-9- 1- - 1-	0.10
08-37.9500-105.8289-2-08-	0-C29164-04/03/76-14-	10-10.0-C- - 7.9- 1250-	9-4- - - - - - - -4-3-1-1- -9-9- 2- - 1-	0.17
08-37.9333-105.8633-2-08-	0-C29165-04/03/76-15-	17-10.5-C- - 7.6- 2020-	10-4- - - - - - - -4-3-1-1- -9-9- 2- - 1-	0.10
08-37.7664-105.1017-2-08-	0-C29166-04/07/76-10-	12- 7.1-C- - 8.1- 178-	9-4- - - - - - - -3-2-3-2- -9-3-10- - -	1.98
08-37.7853-105.1493-2-07-	0-C29169-04/07/76-11-	11-16.3- - - 8.2- 126-	12-1-1-4-6-2-2-1-1-4-3-4-2- -3- - - - -	12.60°
08-37.7831-105.1775-2-07-	0-C29171-04/07/76-12-	15-17.7-C- - 8.2- 135-	10-4- -3-7-3-2-4-1-2-3-4-2- -7- - - - -	40.60°
08-37.7783-105.1783-2-07-	0-C29172-04/07/76-12-	14-12.1- - - 8.6- 489-	7-4- -3-7-4-3-1-1-4-3-3-2- -7- - - - -	3.68
08-37.7692-105.2093-2-07-	0-C29174-04/07/76-14-	9-12.2- - - 8.5- 419-	10-4-7-3-7-4-3-1-2-3-3-3-2- -3- - - - -	1.46
08-37.7664-105.2331-2-08-	0-C29175-04/07/76-15-	12-10.2-C- - 7.0- 1825-	9-4- - - - - - - -3-3-2-2- -9-1- 2- - -	29.70°
08-37.7681-105.2431-2-06-	0-C29176-04/07/76-15-	15-16.0-C- - 8.5- 1990-	9-4- -6-8-1-2-5- -4-3-2-2- -9- - - - -	28.40°
08-37.8008-105.0931-2-07-	0-C29178-04/08/76-10-	9- 5.6- - - 8.1- 1010-	7-1-7-4-6-3-3-1-1-3-3-4-2- -3- - - - -	15.90°
08-37.8000-105.0192-2-08-	0-C29181-04/08/76-12-	15- 6.2-C- - 7.9- 25-	17-2-7- - - - - - -1-3-5-2- -3- - - - -	12.60°
08-37.8339-105.1136-2-07-	0-C29183-04/08/76-13-	15-13.1-C- - 8.4- 540-	10-4- -1-6-3-3-1-1-2-2-2-2- -9- - - - -	8.78
08-37.8339-105.1153-2-07-	0-C29184-04/08/76-13-	15-10.9-C- - 8.1- 1535-	9-4- -1-6-3-3-1-1-2-3-2-2- -9- - - - -	19.20°
08-37.8283-105.1450-2-07-	0-C29185-04/08/76-14-	15-10.6- - - 8.1- 630-	9-4- -4-6-3-3-1-1-2-3-2-2- -3- - - - -	9.26
08-37.8556-105.1450-2-07-	0-C29186-04/08/76-15-	11-11.9-C- - 7.8- 935-	14-4- -2-6-2-2-2-2-1-3-3-2- -9- - - - -	7.10
08-37.8697-105.1242-2-07-	0-C29188-04/08/76-15-	11- 6.2- - - 7.4- 171-	10-4- -2-5-2-3-1-2-2-3-2-2- -4- - - - -	0.10
08-37.8253-105.0931-2-09-	0-C29190-04/08/76-16-	10-14.2-C- - 8.3- 925-	6-4- -6-6-1-3-5- -2-3-2-2- -3- - - - -	38.10°

APPENDIX B (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-...)		CONCENTRATION: WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC, PARTS PER BILLION
08-37.4006-105.0754-2-07-	0-C29191-04/09/75-15- 14- 9.0- - - 7.7- 220-	4-3-6-5-6-4-3-3-2-2-3-4-2- -3- - - - -	0.19
08-37.4008-105.0747-2-00-	0-C29192-04/09/75-15- 11- 9.0-C- - 5.7- 30-	14-4-5-5-6-2-2-4- -2-3-4-2- -3- - - - -	0.24
08-37.3811-105.1036-2-07-	0-C29193-04/09/75-16- 11- 3.9- - - 7.8- 161-	10-3-6-1-6-3-3-1-2-1-3-6-2- -3- - - - -	1.10
08-37.4767-105.0578-2-08-	0-C29194-04/09/75-17- 14-12.0-C- - 7.5- 300-	0-4- - - - - - - -4-3-6-2- -9-3- - - -	2.29
08-37.4714-105.0737-2-07-	0-C29195-04/09/75-17- 14- 9.2- - - 8.0- 372-	12-4- -1-6-3-3-1-2-2-3-6-2- -1- - - - -	1.87
08-37.4594-105.1086-2-07-	0-C29196-04/09/75-18- 10- 5.2-C- - 7.7- 360-	10-3-6-1-6-3-3-1-1-2-3-5-2- -3- - - - -	1.31
08-37.4592-105.1111-2-07-	0-C29197-04/09/75-18- 9- 4.2- - - 7.5- 225-	9-3-6-1-6-3-3-1-2-2-3-5-2- -3- - - - -	1.81
08-37.4875-105.0092-2-00-	0-C29198-04/10/75-11 - 4.5-C- - 7.5- 455-	9-1-6- - - -2-1- -2-3-3-1- -9- - - - -	2.79
08-37.9497-105.7186-2-07-	0-C29200-04/01/75-12- -- 7.2- - - 7.8- 73-	13-1-1-1-6-3-3-1-2-2-3-3-1- -7- - - - -	0.37
08-37.9758-105.6537-2-07-	0-C29205-04/01/75-13- 17- 5.2- - - 7.3- 78-	12-2-1-1-6-3-3-1-2-2-3-3-1- -7- - - - -	0.10
08-37.9892-105.7458-2-10-	0-C29206-04/01/75-14- 15-14.2-C- - 8.4- 175-	27-1-7-1-9-2-3-2- -4-2-2-1- -7- - - - -	0.51
08-37.5022-105.7934-2-08-	0-C29208-04/01/75-15- 16-14.0- - - 8.2- 470-	22-1-1-4-6-2-3-1- -4-3-1-1- -3-8- 6-100- 1-	1.49
08-37.5025-105.7551-2-00-	0-C29209-04/01/75-15- 12-17.3-C- - 8.8- 355-	15- - -6- -1-2-4- -3-2-3-1- -1- - - - -	3.68
08-37.9333-105.6453-2-07-	0-C29211-04/02/75-16- 18-17.6- - - 8.1- 88-	10-2-1-2-7-3-3-1-2-1-3-3-1- -1- - - - -	0.91
08-37.5297-105.0011-2-07-	0-C29212-04/08/75-10- 16- 1.2- - - 8.2- 1400-	3-1-6-3-6-3-2-2-2-4-2-2-1- -3- - - - -	7.40
08-37.5267-105.1186-2-07-	0-C29213-04/08/75-11- 15- 3.0- - - 8.2- 3300-	1-1-6-1-6-2-2-1-2-4-2-4-1- -3- - - - -	1.48
08-37.5292-105.1442-2-07-	0-C29214-04/08/75-11- 12-10.0- - - 8.3- 3500-	1-1-7-3-7-2-2-1-2-1-3-4-1- -1- - - - -	2.86
08-37.5275-105.1456-2-07-	0-C29215-04/08/75-11- 11- 7.0- - - 8.1- 3700-	3-1-7-3-7-3-2-1-2-1-3-4-1- -1- - - - -	2.89
08-37.5181-105.0025-2-08-	0-C29216-04/08/75-12- 14- 8.2- - - 7.7- 4040-	3-4-6-4-6- - - - -3-2-3-1- -3-9- 7- 70- 20-	2.10
08-37.5667-105.0222-2-08-	0-C29217-04/08/75-14- 11-12.0-C- - 8.0- 425-	0-4-6-4-6-1-3-1- -4-2-1-2- -3-9- - - -	1.53
08-37.5686-105.0160-2-07-	0-C29218-04/08/75-14- 11-10.8- - - 8.0- 460-	1-1-6-6-6-2-2-5-1-4-2-2-2- -3- - - - -	1.78
08-37.5772-105.0400-2-08-	0-C29219-04/08/75-14- 12-12.2-C- - 8.0- 350-	1-1-6-4-6-1-3-2- -4-2-1-2- -3- - - - -	2.93
08-37.5983-105.0344-2-08-	0-C29223-04/08/75-15- 15-12.5-C- - 8.8- 440-	6-4-1-1-1-1-3-5- -4-2-1-2- -3- - - - -	1.13
08-37.6181-105.0089-2-08-	0-C29225-04/08/75-17- 12-11.5-C- -10.0- 5000-	0-4-1-1-1-1-3-2- -4-2-2-2- -3- - - - -	1.50
08-37.5425-105.0261-2-08-	0-C29226-04/08/75-17- 16-12.8-C- - 8.1- 7000-	6-4-1-1-1-1-2-1- -4-2-1-2- -3- - - - -	2.89
08-37.6208-105.0722-2-08-	0-C29227-04/09/75-10- 14-10.4-C- - 5.2- 500-	3-3-5-1-6-1-2-3- -4-2-4-1- -3- - - - -	0.86
08-37.5978-105.0739-2-00-	0-C29228-04/09/75-11- 21- 8.2- - - 5.3- 400-	7-1-1-6-8-2-2-1-2-3-4-4-1- -3- - - - -	1.29
08-37.5853-105.0097-2-07-	0-C29229-04/09/75-12- 10-12.6- - - 9.1- 370-	9-1-1-1-6-3-4-4-2-1-4-5-2- -1- - - - -	1.92
08-37.5586-105.0706-2-08-	0-C29230-04/09/75-13- 9-11.5-C- - 7.5- 230-	9-3-1-1-6-1-3-3- -4-2-2-2- -3- - - - -	0.60
08-37.5361-105.0608-2-07-	0-C29231-04/09/75-13- 16-11.4- - - 5.4- 320-	9-1-1-6-8-3-3-2-2-4-3-2-2- -3- - - - -	0.78
08-37.5597-105.1103-2-07-	0-C29232-04/09/75-13- 12-13.2- - - 5.2- 1100-	7-3-1-6-8-2-2-1-2-3-4-4-2- -1- - - - -	0.51
08-37.5564-105.1303-2-07-	0-C29233-04/09/75-14- 8-12.2- - - 8.2- 280-	9-1-1-6-6-3-3-2-2-3-3-3-2- -3- - - - -	1.16
08-37.5636-105.1294-2-00-	0-C29234-04/09/75-14- 9- 7.8-C- - 9.0- 700-	9-3-1-5-6-3-3-1- -3-4-5-3- -3- - - - -	0.52
08-37.5633-105.1436-2-00-	0-C29235-04/09/75-15- 5- 5.0-C- - 7.8- 600-	12-3-1-3-1-3-3-1- -3-4-5-3- -3- - - - -	0.63
08-37.5744-105.1708-2-07-	0-C29236-04/09/75-15- 7- 7.0- - - 8.2- 300-	10-1-1-3-2-3-3-2-2-3-3-4-3- -3- - - - -	1.51
08-37.5733-105.1731-2-07-	0-C29237-04/09/75-15- 7- 3.8- - - 7.6- 240-	9-3-1-6-6-2-2-2-2-1-4-4-3- -3- - - - -	1.81
08-37.5644-105.1792-2-07-	0-C29238-04/09/75-15- 7- 3.4- - - 8.0- 250-	9-3-1-4-6-3-2-1-2-1-6-5-3- -1- - - - -	0.81
08-37.6092-105.2158-2-00-	0-C29239-04/09/75-16- 4- 2.0- - - 7.8- 165-	3-4- -5-6-3-3-1-1-4-4-3-3- -3- - - - -	0.61
08-37.6167-105.2142-2-00-	0-C29240-04/09/75-16- 4- 2.2- - - 8.2- 370-	9-4- -3-7-2-2-1-2-4-4-3-3- -3- - - - -	0.42
08-37.6022-105.2300-2-07-	0-C29241-04/09/75-16- 5- 3.5- - - 8.0- 150-	6-4- -3-7-3-2-3-2-4-4-6-3- -3- - - - -	1.27
08-37.5925-105.2447-2-07-	0-C29242-04/09/75-16- 4- 5.5- - - 7.6- 270-	9-3-1-3-1-2-2-1-2-3-2-5-3- -1- - - - -	1.11
08-37.6867-105.2657-2-07-	0-C29244-04/10/75-11- 17-10.0- - - 7.6- 360-	9-4- -5-8-2-2-1-2-4-3-3-1- -3- - - - -	0.83
08-37.6908-105.2950-2-07-	0-C29245-04/10/75-12- 14-11.6- - - 8.2- 5000-	15-1-1-3-1-2-2-1-2-4-3-3-1- -3- - - - -	2.40
08-37.7244-105.2753-2-07-	0-C29246-04/10/75-12- 7-10.0- - - 8.2- 230-	0-3-1-3-1-3-3-1-2-4-2-3-1- -3- - - - -	1.45
08-37.7303-105.3150-2-07-	0-C29247-04/10/75-13- 8-11.0- - - 8.2- 240-	6-3-1-3-1-3-6-1-2-4-4-2-1- -3- - - - -	0.86
08-37.7378-105.3206-2-08-	0-C29248-04/10/75-13- 16-16.2- - - 7.2- 3100-	12-3-1- - - - - - -3-3-4-1- -3-1- 8-116- -	5.34
08-37.7283-105.3525-2-07-	0-C29249-04/10/75-14- 6-13.4- - - 8.3- 220-	12-3-7-4-7-3-2-2-1-3-3-6-1- -1- - - - -	0.99
08-37.8833-105.2056-2-08-	0-C29253-04/07/75-11- 12- 2.2-C- - 5.0- 500-	8-4- - - - - -1- -1-2-4-1- -1-1- 2- - -	2.72
08-37.9442-105.2456-2-00-	0-C29254-04/07/75-11- 12- 6.7-C- - 7.3- 155-	12-4- -5-6-2-2-1-2-3-2-4-2- -9- - - - -	1.54
08-37.9542-105.2333-2-00-	0-C29255-04/07/75-12- 10- 6.0-C- - 7.3- 120-	21-6- -6-5-2-3-1- -4-2-6-3- -9- - - - -	0.56
08-37.9831-105.1200-2-07-	0-C29256-04/07/75-13- 9- 3.3- - - 7.4- 145-	8-2-4-1-4-3-3-1-2-2-3-5-3- -3- - - - -	0.49

APPENDIX B (continued). Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA (LOCATION NUMBER-DATE-HOUR-...)	FIELD DATA (continued)	CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC** UNITS IN ppb
08-37.9542-105.1958-2-07-	0-C29257-04/07/75-14- 9- 1.1- - - 7.6- 135-	19-2-4-2-4-3-2-1-2-3-2-4-3- -3- - - - -	0.43
08-37.9331-105.1997-2-07-	0-C29258-04/07/75-14- 9- 3.6- - - 8.3- 135-	16-2-4-2-4-3-3-1-2-1-2-4-2- -3- - - - -	1.75
08-37.9167-105.1836-2-07-	0-C29259-04/07/75-15- 10- 3.0- - - 8.1- 150-	16-2-4-2-6-3-3-1-2-2-2-4-2- -3- - - - -	0.65
08-37.9064-105.1378-2-07-	0-C29260-04/07/75-15- 7- 0.6- - - 7.2- 120-	10-2-4-2-4-3-3-1-2-1-3-4-2- -3- - - - -	0.10
08-37.8781-105.1425-2-07-	0-C29261-04/07/75-16- 11- 9.5-C- - 4.0- 500-	18-4- -7-7-2-2-1-2-3-2-4-2- -3- - - - -	7.67
08-37.8756-105.2408-2-07-	0-C29262-04/08/75-12- 12-10.0- - - 4.0- 800-	10-2-1-3-6-2-2-1-2-1-2-4-2- -3- - - - -	58.30*
08-37.7533-105.8047-2-08-	0-C29264-04/03/75-14- 15-14.3-C- - 8.0- 610-	14-1-7- - -3-3-2- -4-3-1-2- -3-9- 1- - 1-	0.46
08-37.7572-105.8003-2-08-	0-C29265-04/03/75-14- 15-12.8-C- - 8.5- 330-	19-1-9- - -3-3-2- -4-3-1-2- -3-9- 1- - 1-	0.32
08-37.7783-105.9103-2-08-	0-C29266-04/03/75-15- 18-14.8-C- - 8.7- 430-	14-1-2- - -3-3-1- -2-2-1-2- -3-9- 1- - 1-	0.28
08-37.7928-105.9275-2-08-	0-C29267-04/03/75-15- 13-17.5-C- - 7.9- 500-	12-1-7- - -3-3-2- -3-3-1-2- -3-9- 3- - 1-	1.07
08-37.7928-105.9374-2-08-	0-C29268-04/03/75-15- 15-15.5-C- - 8.5- 330-	15-1-7- - -3-3-1- -4-2-1-2- -3-9- 2- - 1-	0.15
08-37.8072-105.9550-2-08-	0-C29269-04/03/75-16- 11-14.0-C- - 9.9- 340-	17-1-7- - -3-3-1- -3-3-1-2- -3-9- 3- - 1-	0.50
08-37.8217-105.9459-2-08-	0-C29270-04/03/75-15- 11-13.0-C- - 7.0- 225-	15-1-7- - -3-3-1- -4-2-1-2- -3-9- 3- - 1-	0.38
08-37.8283-105.9158-2-08-	0-C29271-04/03/75-15- 12-16.5-C- - 7.5- 1150-	12-1-7- - -3-3-2- -3-3-1-1- -3-9- 2- - 1-	0.84
08-37.8378-105.8650-2-08-	0-C29272-04/29/75-13- 19-13.8- - - 5.8- 1300-	13- - - - -2-2-1-3-3-3-1-2- -1-9- 2- - 1-	0.37
08-37.7786-105.8658-2-08-	0-C29273-04/29/75-14- 20-41.2-C- - 7.2- 385-	12- - - - -4- -1- -4-3-1-2- -1-9-12- - 1-	0.45
08-37.7989-105.7817-2-08-	0-C29274-04/29/75-15- 20-22.0- - - 7.8- 2030-	10- - - - -3- -1- -4-3-1-2- -1-9- 4- - 1-	0.27
08-37.8078-105.8453-2-08-	0-C29275-04/29/75-16- 16-19.2- - - 8.1- 550-	13- - - - -3- -1- -3-3-1-2- -1-9- 4- - 1-	1.28
08-37.8061-105.8172-2-08-	0-C29276-04/29/75-15- 18-19.5- - - 7.2- 1850-	9- - - - -3- -1- -4-3-1-2- -1-9- 5- - 1-	0.47
08-37.7836-105.8150-2-08-	0-C29277-04/29/75-16- 13-10.8- - - 5.8- 220-	9- - - - -3- -1- -4-3-1-3- -1-9- 3- - 1-	0.69
08-37.8033-105.8725-2-08-	0-C29278-04/28/75-17- 13-14.5- - - 6.9- 500-	38- - - - -2- -1- -3-2-1-3- -1-9- 3- - 1-	0.69
08-37.7508-105.8189-2-08-	0-C29279-04/30/75-10- 10-10.0- - - 5.0- 200-	18- - - - -2- -1- -3-3-1-1- -1-9- 3- - 1-	0.63
08-37.7661-105.7786-2-08-	0-C29280-04/30/75-10- 11-17.5- - - 7.2- 190-	18- - - - -3- -1- -3-3-1-2- -1-9- 3- - 1-	0.46
08-37.7839-105.7628-2-08-	0-C29281-04/30/75-11- 11-11.8- - - 5.6- 430-	6- - - - -3- -1- -3-3-1-2- -1-1- 4- - 1-	9.90*
08-37.7953-105.5057-2-07-	0-C29282-04/19/75-11- 6- 2.0-C- - 7.1- 80-	7-4- -4-6-3-3-1-2-2-3-4-3- -1- - - - -	0.42
08-37.7764-105.5078-2-07-	0-C29283-04/19/75-12- 2- 1.0-C- - 7.9- 725-	12-4- -4-6-3-2-2-1-2-3-4-3- -1- - - - -	0.39
08-37.8636-105.7311-2-08-	0-C29285-04/18/75-15- 10-15.1-C- - 8.6- 180-	10-4- - - - - - - -3-2-1-2- -9-9- 2- - 1-	0.28
08-37.8292-105.7322-2-08-	0-C29286-04/18/75-15- 7-15.0-C- - 8.5- 350-	14-4- -4-6-2-2-1- -3-2-2-2- -9- - - - -	0.63
08-37.8258-105.6959-2-08-	0-C29287-04/18/75-17- 9-16.2-C- - 8.1- 165-	18-4- - - - - - - -3-2-2-2- -9-9- 2- - 1-	0.10
08-37.8194-105.6556-2-08-	0-C29288-04/18/75-17- 5-14.2-C- - 7.0- 130-	6-4- - - - - - - -3-2-2-2- -9-9- 2- - -	0.28
08-37.8558-105.6453-2-08-	0-C29289-04/18/75-18- 4- 2.2-C- - 7.3- 300-	10-4- - - - - - - -3-2-2-2- -9-2- 2- - -	0.70
08-37.8494-105.6797-2-08-	0-C29290-04/18/75-19- 4- -C- - 7.8- 115-	15-4- - - - - - - -3-2-2-2- -9-9- 2- - 1-	0.82
08-37.3203-105.1306-2-07-	0-C29291-07/13/75-14- 16-11.0- - - 7.7- 100-	0-2-4-3-4-3-3-1-1-2-3-5-2- -8- - - - -	0.06
08-37.3211-105.1311-2-07-	0-C29292-07/13/75-14- 16- 0.8- - - 7.8- 110-	12-2-4-4-4-3-3-1-1-2-3-5-2- -8- - - - -	0.13
08-37.2286-105.1514-2-06-	0-C29293-07/14/75-13- 8- 3.0- - - 8.3- 55-	16-2-7-5-6-3-3-1-1-4-3-5-2- -8- - - - -	0.23
08-37.2061-105.1150-2-07-	0-C29294-07/14/75-16- 16-11.2- - - 8.4- 205-	10-2-7-2-7-4-3-1-1-1-3-4-3- -8- - - - -	2.89
08-37.1731-105.1597-2-06-	0-C29295-07/15/75-10- 9- 3.5- - - 6.8- 45-	19-2-7-1-7-2-3-1-1-1-2-5-1- -8- - - - -	0.23
08-37.1406-105.1442-2-06-	0-C29296-07/15/75-13- 11- 3.5- - - 5.3- 50-	-2-7-1-7-2-3-1-1-1-2-5-2- -8- - - - -	0.18
08-37.4375-105.2375-2-07-	0-C29297-07/16/75- 9- 24-20.5- - - 8.4- 230-	14-2-7-1-7-3-3-1-1-2-3-4-2- -3- - - - -	1.06
08-37.4333-105.1957-2-07-	0-C29299-07/16/75-14- 21-18.0- - - 8.2- 220-	21-2-7-1-7-3-3-1-1-2-3-4-2- -3- - - - -	1.25
08-37.4344-105.1964-2-07-	0-C29300-07/16/75-13- 21-15.0- - - 8.0- 310-	16-2-7-1-7-2-3-1-1-2-3-4-2- -3- - - - -	2.50
08-37.3922-105.2000-2-06-	0-C29301-07/16/75-14- 18- 4.0- - - 7.6- 120-	12-2-7-1-7-2-3-1-1-1-4-5-2- -1- - - - -	2.21
08-37.4292-105.1728-2-07-	0-C29302-07/16/75-16- 22-20.0- - - 9.6- 200-	10-2-4-5-6-2-3-2-1-4-4-3-2- -3- - - - -	2.18
08-37.4378-105.1650-2-06-	0-C29303-07/16/75-14- 19- 0.0- - - 7.5- 235-	10-2-4-5-6-2-3-1-1-4-4-3-2- -3- - - - -	2.31
08-37.4494-105.1728-2-06-	0-C29304-07/16/75-16- 18- 0.0- - - 9.1- 230-	14-2-4-5-6-2-3-1-1-4-4-3-2- -3- - - - -	3.84
08-37.4581-105.1278-2-06-	0-C29305-07/16/75-15- 17- 0.0- - - 7.6- 340-	12-2-7-1-7-2-3-1-1-2-3-4-2- -3- - - - -	2.05
08-37.4719-105.1850-2-09-	0-C29306-07/16/75-17- 18-20.0- - - 7.7- 410-	8-2-4-5-6- -4-1- -4-2-4-3- -3- - - - -	0.03
08-37.4806-105.1878-2-07-	0-C29307-07/16/75-17- 15-14.0- - - 8.2- 270-	12-2-4-5-6-3-3-1-1-4-4-4-3- -3- - - - -	3.55
08-37.4939-105.1851-2-06-	0-C29308-07/16/75-18- 14- 7.0- - - 7.5- 265-	10-2-4-4-6-2-3-1-1-4-4-4-3- -3- - - - -	3.77
08-37.3822-105.2089-2-07-	0-C29309-07/17/75-12- 19-13.0- - - 7.6- 40-	16-2-4-1-4-3-3-1-1-2-3-4-2- -3- - - - -	1.45
08-37.3828-105.2096-2-07-	0-C29310-07/17/75-12- 19-14.2- - - 8.0- 170-	16-2-4-1-4-3-3-1-1-2-3-4-2- -3- - - - -	2.22

APPENDIX B (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-DATE-HOUR)	(AIR TEMPERATURE-WATER TEMPERATURE-COMMENTS-FIELD MEASUREMENTS-pH-SPECIFIC CONDUCTANCE)		U CONCENTRATION: WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC IN UNITS IN ppb
08-37.3436-105.1839-2-00-	0-C29311-07/17/75-14-	- 8.1- - - 8.7- 55-	10-2-7-5-6-2-3-1-1-4-4-5-3- -1- - - - -	2.00
08-37.2700-105.2150-2-00-	0-C29312-07/18/75-11-	12- 4.2- - - 9.0- 100-	25-2-4-2-4-3-3-1-1-1-4-5-2- -3- - - - -	3.78
08-37.3117-105.2256-2-01-	0-C29313-07/18/75-11-	16-10.4- - - 8.6- 130-	29-2-1-2-1-3-3-1-1-4-3-5-2- -3- - - - -	10.50°
08-37.3017-105.2061-2-01-	0-C29314-07/18/75-12-	16- 7.0- - - 8.6- 55-	21-2-7-2-7-4-3-1-1-1-3-5-3- -1- - - - -	2.23
08-37.2681-105.1789-2-01-	0-C29315-07/18/75-13-	14- 7.2- - - 8.8- 230-	25-2-7-3-6-3-3-1-1-1-3-5-4- -1- - - - -	1.38
08-37.2722-105.1922-2-01-	0-C29316-07/18/75-13-	17-10.0- - - 8.9- 235-	14-2-7-1-7-4-3-1-1-2-4-5-2- -3- - - - -	2.93
08-37.2444-105.1631-2-00-	0-C29317-07/18/75-14-	14- 4.0- - - 8.5- 245-	6-2-7-2-7-4-3-1-1-4-3-5-3- -3- - - - -	3.20
08-37.2075-105.2017-2-01-	0-C29318-07/19/75- 9-	10- 5.0- - - 7.9- 125-	21-2-7-1-7-4-3-1-1-2-4-5-2- -3- - - - -	1.63
08-37.2006-105.1819-2-00-	0-C29319-07/19/75- 9-	10- 4.0- - - 7.7- 150-	25-2-7-5-6-2-4-1-1-4-4-5-2- -1- - - - -	3.20
08-37.2233-105.1758-2-00-	0-C29320-07/19/75-10-	11- 4.0- - - 8.0- 261-	10-2-7-1-7-4-3-1-1-4-4-5-2- -3- - - - -	1.28
08-37.2303-105.1719-2-06-	0-C29321-07/19/75-10-	11- 4.0- - - 8.1- 260-	12-2-7-1-7-3-3-1-1-4-4-5-2- -3- - - - -	0.29
08-37.2333-105.1747-2-06-	0-C29322-07/19/75-11-	11- 6.0- - - 8.3- 190-	21-2-7-5-6-3-3-1-1-4-4-5-2- -3- - - - -	0.47
08-37.1828-105.2347-2-01-	0-C29323-07/19/75-10-	14-11.0- - - 7.9- 110-	14-2-7-2-7-4-6-1-1-2-3-5-2- -3- - - - -	0.44
08-37.1744-105.2239-2-01-	0-C29324-07/19/75-11-	15-10.0- - - 7.5- 45-	12-2-7-1-7-4-6-1-1-1-3-5-2- -3- - - - -	0.54
08-37.1744-105.2289-2-01-	0-C29325-07/19/75-11-	15- 9.0- - - 7.1- 35-	10-2-7-1-7-4-6-1-1-1-3-5-2- -3- - - - -	1.50
08-37.1658-105.1944-2-01-	0-C29326-07/19/75-12-	15- 8.0- - - 7.6- 40-	12-2-7-1-7-3-3-1-1-1-4-5-2- -1- - - - -	0.32
08-37.1653-105.1047-2-01-	0-C29327-07/19/75-13-	18-10.0- - - 7.0- 36-	16-2-7-1-7-4-3-1-1-1-4-5-2- -1- - - - -	0.09
08-37.1386-105.2128-2-06-	0-C29328-07/19/75-14-	18- 6.0-C- - 7.2- 21-	16-2-7-1-7-4-6-1-1-4-4-5-2- -1- - - - -	2.91
08-37.1372-105.2122-2-06-	0-C29329-07/19/75-14-	18- 6.5-C- - 5.6- 7-	8-2-7-1-7-4-4-1-1-4-4-5-2- -1- - - - -	2.82
08-37.1169-105.1997-2-00-	0-C29330-07/19/75-15-	18- 6.0- - - 6.2- 41-	12-2-7-1-7-2-3-1-1-4-4-5-2- -1- - - - -	0.73
08-37.0928-105.2142-2-06-	0-C29331-07/19/75-15-	18- 5.0-C- - 5.7- 35-	29-2-4-2-4-3-3-1-1-1-3-5-2- -3- - - - -	0.37
08-37.0775-105.2300-2-06-	0-C29332-07/19/75-15-	18- 4.0-C- - 5.4- 27-	29-2-4-2-4-4-3-1-1-1-3-5-2- -3- - - - -	1.55
08-37.2258-105.2750-2-01-	0-C29333-07/19/75-16-	19-14.0-C- - 7.6- 135-	16-2-1-2-1-4-3-1-1-2-3-3-2- -3- - - - -	3.76
08-37.8444-105.4039-2-01-	0-C29334-07/20/75-12-	16-10.0- - - 7.3- 61-	16-2-7-2-7-3-3-1-1-2-3-5-3- -8- - - - -	4.50
08-37.8111-105.3883-2-01-	0-C29335-07/20/75-12-	19-15.0- - - 8.1- 200-	25-2-4-2-4-3-3-1-1-2-3-4-4- -1- - - - -	1.43
08-37.8006-105.4022-2-01-	0-C29336-07/20/75-13-	19-15.0- - - 7.7- 150-	12-2-4-2-4-3-3-1-1-2-3-4-4- -1- - - - -	0.40
08-37.7600-105.3781-2-01-	0-C29338-07/20/75-16-	17-14.0-C- - 7.8- 335-	14-2-4-5-6-3-3-1-1-4-3-3-4- -3- - - - -	0.96
08-37.5103-105.0406-2-01-	0-C29340-04/06/75-16-	11-11.9- - - 7.4- 520-	33-1-6-4-6-3-3-1-2-2-2-1-1- -1- - - - -	4.52
08-37.5200-105.0578-2-01-	0-C29341-04/06/75-17-	11-10.6- - - 7.8- 1221-	38-1-6-5-8-3-3-4-1-4-3-2-1- -3- - - - -	7.54
08-37.3353-105.3839-2-07-	0-C29342-04/28/75-14-	16- 7.1- - - 5.0- 128-	11-3-1-4-1-4-3-1-2-1-4-4-1- -3- - - - -	1.18
08-37.5144-105.0117-2-01-	0-C29343-04/07/75-15-	16-10.2- - - 7.4- 530-	36-1-6-2-8-3-3-1-2-4-3-1-2- -3- - - - -	6.79
08-37.5083-105.0711-2-01-	0-C29344-04/07/75-16-	10- 9.8- - - 8.0- 300-	39-1-6-5-8-2-3-1-2-4-3-2-2- -3- - - - -	7.02
08-37.4903-105.0028-2-09-	0-C29345-04/10/75-12-	17-11.0- - - 8.5- 292-	10-1-6-4-6- -3-1- -4-3-2-1- -3- - - - -	0.22
08-37.4722-105.0037-2-01-	0-C29346-04/10/75-12-	15-15.0- - - 8.4- 421-	15-4- -1-6-3-2-1-2-2-3-4-2- -3- - - - -	0.10
08-37.4147-105.0244-2-01-	0-C29347-04/10/75-13-	15- 7.0-C- - 7.8- 94-	11-4-6-1-6-3-3-1-2-1-3-4-2- -1- - - - -	0.35
08-37.4442-105.0781-2-06-	0-C29348-04/10/75-14-	16-14.0- - - 7.7- 493-	8-1-7-5-6- -3-2- -1-2-5-2- -1- - - - -	5.93
08-37.4364-105.0022-2-06-	0-C29349-04/10/75-15-	15-18.5- - - 7.0- 52-	9-1-7-4-6- -3-4- -1-2-5-2- -1- - - - -	0.10
08-37.4883-104.9883-2-07-	0-C29350-04/10/75-16-	15-16.0-C- - 8.1- 168-	7-4- -2-6-3-3-1-2-2-3-3-2- -9- - - - -	0.52
08-37.4764-104.9993-2-08-	0-C29351-04/10/75-16-	15- 9.3-C- - 7.4- 484-	10-1-6- - - -3-1- -4-3-3-2- -1-5-24- 14- 8-	1.11
08-37.4664-104.9872-2-08-	0-C29352-04/10/75-17-	13-10.0-C- - 7.3- 300-	9-1-6- - - - - -4-3-4-2- -0-0- - - 1-	2.68
08-37.4186-104.9722-2-01-	0-C29353-04/10/75-17-	8- 8.8- - - 8.3- 129-	14-3-6-1-6-3-3-1-2-1-3-5-2- -4- - - - -	0.84
08-37.4869-104.9703-2-08-	0-C29354-04/12/75-11-	16-12.0-C- - 8.1- 81-	9-1-6- - - - - -1-3-3-6- -9- - - - -	10.50°
08-37.4217-104.9906-2-00-	0-C29355-04/10/75-17-	16-14.8- - - 7.5- 121-	9-1-6- - -2-1- -2-3-4-2- -1- - - - -	1.44
08-37.4500-104.9654-2-00-	0-C29356-04/12/75-12-	12- 8.0-C- - 7.5- 311-	12-1-6- - -3-1- -1-3-6-4- -9- - - - -	2.58
08-37.4792-104.9100-2-01-	0-C29358-04/12/75-12-	11- 9.6- - - 7.4- 407-	3-1-6-2-6-2-2-1-2-2-3-4-4- -4- - - - -	3.59
08-37.4739-104.9192-2-07-	0-C29359-04/12/75-12-	15-11.7- - - 7.9- 339-	10-1-6-4-6-2-2-1-3-2-1-4-4- -1- - - - -	1.74
08-37.4808-104.8844-2-01-	0-C29360-04/12/75-14-	15-10.5- - - 9.0- 539-	10-1-6-4-6-3-2-1-2-2-3-4-3- -1- - - - -	3.21
08-37.4547-104.9085-2-01-	0-C29361-04/12/75-14-	10-11.9- . - 5.9- 131-	12-1-6-4-6-2-2-4-2-2-3-6-3- -3- - - - -	0.83
08-37.7153-104.9622-2-06-	0-C29366-04/13/75-11-	19-10.8-C- - 7.8- 121-	9-1-6-5-8- -2-1- -2-3-3-2- -3- - - - -	4.60
08-37.7225-104.9035-2-06-	0-C29367-04/13/75-11-	10-14.2-C- - 8.2- 611-	12-4- -5-8- -3-5- -3-3-4-2- -9- - - - -	10.70°
08-37.7428-104.9144-2-01-	0-C29369-04/13/75-13-	20-12.2- - - 7.9- 110-	12-4- -6-6-2-3-4-1-2-3-3-2- -1- - - - -	15.80°

APPENDIX B (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-Date-Hour)	(Air Temp.-Water Temp. ... -pH-Conductivity)	(Field Data)	U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (UNITS IN ppb)
08-37.7064-104.8778-2-08-	0-C29371-04/13/75-13-	24-20.5-C- - 9.0- 35-	12-4- - - - - - - -3-2-4-2- -9- - 2- - -	4.54
08-37.6894-104.8836-2-08-	0-C29373-04/13/75-15-	20-16.6-C- - 9.8- 80-	7-4- - - - - - - -1-3-3-2- -9-1- 2- - -	1.33
08-37.6628-104.8851-2-08-	0-C29376-04/13/75-15-	19-14.2-C- - 7.9- 650-	12-1-6- - - - - - -1-3-3-2- -9-1- 2- - -	1.33
08-37.3350-105.2544-2-07-	0-C29377-04/28/75-14-	16- 9.4- - - 5.9- 110-	12-3-1-4-7-2-3-1-3-1-4-4-1- -3- - - - -	2.52
08-37.6286-104.9192-2-08-	0-C29378-04/13/75-16-	16-14.3-C- - 7.5- 152-	9-4- - - - - - - -1-3-3-2- -9-1- 2- - -	3.96
08-37.9058-105.8136-2-08-	0-C29379-04/14/75-12-	15-17.0-C- - 7.8- 168-	10-4- - - - - - - -3-3-1-3- -9-0- 2- - 1-	0.15
08-37.8808-105.8600-2-08-	0-C29381-04/14/75-13-	17-21.1-C- - 8.4- 4450-	10-4- - - - - - - -4-3-1-2- -9-0- 2- - 1-	0.10
08-37.9044-105.8647-2-08-	0-C29382-04/14/75-14-	15-17.9-C- - 8.4- 2220-	10-4- - - - - - - -3-3-1-3- -9-0- 2- - 1-	0.10
08-37.9539-105.8728-2-08-	0-C29383-04/14/75-14-	14-21.2-C- - 8.2- 1430-	10-4- - - - - - - -4-3-1-3- -9-0- 2- - -	0.41
08-37.8772-105.1799-2-07-	0-C29384-04/08/75-13-	15-15.6- - - 8.1- 390-	12-4- -5-6-2-2-1-2-4-3-4-2- -3- - - - -	11.10*
08-37.9844-105.0553-2-10-	0-C29385-04/08/75-19-	4- 9.6- - - 7.8- 59-	12-2-4-3-4-3-3-2- -1-3-5-2- -7- - - - -	0.20
08-37.7281-105.0164-2-07-	0-C29387-04/09/75- 9-	16-10.0-C- - 8.3- 1000-	21-2-6-4-6-3-2-1-2-3-2-4-2- -9- - - - -	12.90*
08-37.7464-105.0753-2-07-	0-C29389-04/09/75-10-	17-13.8- - - 8.4- 775-	8-4- -4-6-3-2-2-2-3-2-4-1- -3- - - - -	8.00*
08-37.7492-105.0203-2-06-	0-C29391-04/09/75-11-	17- 8.5-C- - 7.1- 372-	12-1-4- - -2- -1- -1-2-5-1- -9- - - - -	18.30*
08-37.6836-105.1108-2-07-	0-C29398-04/09/75-14-	15-11.0- - - 7.5- 1110-	10-2-7-4-6-2-2-1-2-2-2-4-2- -3- - - - -	19.70*
08-37.6872-105.0659-2-08-	0-C29399-04/09/75-15-	13- 7.7-C- - 7.4- 840-	8-4- - - -3- -1- -3-2-3-2- -9-0- 1- - 1-	4.75
08-37.6733-105.0550-2-08-	0-C29400-04/09/75-16-	16-10.5- - - 9.0- 488-	8-4- - - -2- -1- -3-2-4-2- -1-1- 2- - -	4.41
08-37.6378-105.0542-2-06-	0-C29402-04/09/75-17-	14-10.1-C- - 7.6- 412-	6-3-6-6-8-2-2-1- -3-2-4-2- -9- - - - -	1.41
08-37.6308-105.0796-2-06-	0-C29403-04/09/75-19-	12- 5.1-C- - 7.4- 370-	18-3-6-6-5-2-2-3- -2-2-4-2- -9- - - - -	0.62
08-37.6494-105.1258-2-10-	0-C29406-04/10/75-12-	17- 2.1-C- - 8.1- 500-	6-1-6-6-6-2-3-1- -4-3-4-1- -3- - - - -	0.77
08-37.6539-105.1597-2-07-	0-C29407-04/10/75-13-	17-14.5- - - 8.3- 240-	6-4- -2-1-3-3-2-2-2-2-4-1- -3- - - - -	1.03
08-37.6528-105.1592-2-07-	0-C29408-04/10/75-14-	18-11.4- - - 7.6- 475-	6-4- -5-6-3-3-2-2-2-2-4-1- -3- - - - -	1.33
08-37.6781-105.1497-2-06-	0-C29409-04/10/75-14-	18-13.9- - - 7.3- 90-	9-4- -5-6-2-2-2-2-3-2-4-1- -3- - - - -	0.26
08-37.6833-105.1603-2-06-	0-C29410-04/10/75-15-	17- 6.8-C- - 6.8- 55-	4-4- -5-6-3-3-1- -4-3-4-1- -9- - - - -	0.20
08-37.7097-105.1342-2-10-	0-C29413-04/10/75-16-	17-15.8- - - 8.3- 335-	8-4- -5-6-2-3-5- -3-2-3-2- -3- - - - -	1.51
08-37.7367-105.2372-2-07-	0-C29415-04/10/75-19-	10-11.1- - - 8.0- 500-	12-4- -5-6-3-3-3-2-4-2-4-2- -3- - - - -	8.15
08-37.6489-105.2108-2-07-	0-C29416-04/12/75- 9-	13- 5.5- - - 8.2- 228-	12-2-4-2-6-3-3-2-2-1-3-5-2- -3- - - - -	2.35
08-37.6628-105.2206-2-07-	0-C29417-04/12/75-10-	13- 6.0- - - 8.3- 240-	12-2-6-3-6-3-3-2-2-2-3-5-2- -3- - - - -	2.05
08-37.6919-105.2339-2-07-	0-C29418-04/12/75-11-	21- 8.0- - - 7.7- 300-	12-2-6-2-6-3-3-1-2-2-2-5-2- -3- - - - -	2.05
08-37.7014-105.2294-2-10-	0-C29419-04/12/75-11-	13-13.0- - - 7.5- 135-	6-2-6-5-6-2-3-2-1-3-2-4-3- -3- - - - -	0.68
08-37.7033-105.2131-2-06-	0-C29420-04/12/75-12-	17-14.0-C- - 9.1- 120-	16-4- -5-6-2-3-3-3-3-2-5-3- -3- - - - -	1.86
08-37.6925-105.2014-2-06-	0-C29421-04/12/75-13-	14- 4.0- - - 7.3- 90-	6-2-7-2-7-2-3-1-2-1-4-5-2- -1- - - - -	0.60
08-37.8392-104.8769-2-07-	0-C29422-04/13/75-11-	17-13.6- - - 7.8- 440-	21-4- -2-6-2-2-1-2-4-2-3-2- -3- - - - -	5.21
08-37.8486-104.9439-2-07-	0-C29425-04/13/75-12-	15- 7.2- - - 7.4- 90-	21-2-4-2-4-3-3-1-2-1-3-4-2- -3- - - - -	1.57
08-37.8564-104.9428-2-07-	0-C29426-04/13/75-12-	15- 6.0- - - 5.8- 70-	14-2-6-3-6-3-3-1-2-1-3-4-2- -3- - - - -	0.30
08-37.7908-104.9408-2-08-	0-C29427-04/13/75-13-	10-10.2-C- - 5.9- 205-	16-2-6- - -3- -1- -3-2-3-2- -3-9- 1- - 1-	30.80*
08-37.7072-105.3731-2-07-	0-C29434-04/10/75-14-	6-10.8- - - 8.1- 380-	6-3-1-3-7-2-2-1-2-3-2-4-1- -1- - - - -	2.33
08-37.7089-105.3731-2-06-	0-C29435-04/10/75-14-	12- 7.2- - - 8.0- 150-	3-1-1-6-8-2-2-4-2-3-3-4-1- -1- - - - -	0.30
08-37.7244-105.3544-2-07-	0-C29436-04/10/75-14-	9-14.2- - - 8.3- 200-	6-1-1-3-1-3-3-2-2-2-2-4-1- -3- - - - -	0.44
08-37.7069-105.3689-2-07-	0-C29437-04/10/75-14-	6-14.5- - - 8.0- 240-	[illegible]-1-7-5-7-3-2-3-2-3-2-3-1- -3- - - - -	3.00
08-37.6950-105.3347-2-07-	0-C29438-04/10/75-15-	-13.2- - - 8.1- 230-	9-1-5-4-6-3-3-3-2-4-4-3-1- -3- - - - -	1.13
08-37.6753-105.3200-2-07-	0-C29439-04/10/75-15-	6-10.5- - - 8.2- 250-	7-1-7-4-2-2-3-2-2-4-3-4-1- -3- - - - -	1.23
08-37.7411-105.2519-2-07-	0-C29440-04/10/75-16-	7-14.2- - - 8.0- 320-	3-1-7-3-1-3-3-1-2-4-3-2-1- -3- - - - -	1.90
08-37.9281-104.8833-2-07-	0-C29441-04/13/75-10-	13-12.0- - - 9.1- 6000-	44-1-4-3-4-2-2-1-2-4-3-3-1- -7- - - - -	4.04
08-37.9275-104.8858-2-07-	0-C29442-04/23/75-10-	12-10.0- - - 7.3- 370-	13-1-1-4-1-3-3-1-2-4-3-3-1- -3- - - - -	1.99
08-37.9264-104.8825-2-07-	0-C29443-04/13/75-11-	10-12.2- - - 7.9- 270-	4-1-1-4-8-3-3-1-2-4-3-3-1- -3- - - - -	2.74
08-37.9264-104.9056-2-06-	0-C29444-04/10/75-11-	13-10.8-C- - 7.2- 350-	9-1-3-6-3-2-2-1-2-1-3-4-1- -1- - - - -	0.18
08-37.9094-104.8886-2-10-	0-C29445-04/13/75-12-	17-16.5- - - 8.2- 2000-	3-3-1-6-8-1-3-5- -4-3-2-1- -3- - - - -	4.10
08-37.9017-104.9533-2-07-	0-C29447-04/10/75-13-	6- 5.8- - - 9.0- 800-	12-3-1-3-1-3-3-1-2-1-3-4-1- -1- - - - -	0.10
08-37.9028-104.9657-2-07-	0-C29448-04/10/75-13-	6- 4.2- - - 8.2- 900-	9-1-1-3-1-2-2-1-2-1-3-4-1- -1- - - - -	0.39
08-37.9219-104.9397-2-07-	0-C29449-04/10/75-14-	6- 8.2- - - 8.0- 800-	10-1-4-3-4-3-3-1-2-1-3-3-4- -1- - - - -	0.54

APPENDIX B (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	SPECIFIC CONDUCTANCE	OTHER FIELD DATA	U CONCENTRATION: WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08	37.9336	104.9272	2	10		0-C29450	04/13/75	13	7	15.2	-	-	8.3	130	12-1-1-6-8-1-3-2- -4-3-3-2- -3- - - - -	2.74
08	37.9531	104.9722	2	07		0-C29451	04/13/75	14	10	12.2	-	-	7.6	120	24-1-7-4-1-3-3-1-2-4-3-3-2- -3- - - - -	1.39
08	37.9719	104.9972	2	07		0-C29453	04/13/75	14	10	7.0	-	-	7.0	250	12-1-7-6-8-2-2-1-2-3-3-3-2- -3- - - - -	1.24
08	37.9864	104.9925	2	07		0-C29454	04/10/75	16	5	5.2	-	-	7.9	800	21-3-1-3-4-3-3-1-2-1-4-6-3- -1- - - - -	0.74
08	37.9494	104.9642	2	07		0-C29455	04/13/75	16	7	10.0	-	-	7.3	150	12-3-1-4-1-3-3-1-2-3-2-5-3- -3- - - - -	0.30
08	37.5164	105.3025	2	07		0-C29459	04/14/75	11	10	5.0	-	-	8.0	175	24-1-4-3-6-3-3-2-3-3-3-2-3- -1- - - - -	1.74
08	37.5333	105.2939	2	07		0-C29460	04/14/75	12	6	6.0	-	-	8.3	280	7-2-4-4-6-3-3-2-3-4-3-4-3- -1- - - - -	3.39
08	37.5619	105.2869	2	07		0-C29462	04/14/75	13	5	5.0	-	-	7.4	265	9-1-7-4-6-3-3-1-3-3-3-2-3- -1- - - - -	1.18
08	37.5600	105.2896	2	07		0-C29463	04/14/75	13	4	5.0	-	-	5.9	130	12-1-7-6-8-3-3-2-3-3-3-2-3- -3- - - - -	0.58
08	37.5803	105.2664	2	07		0-C29464	04/14/75	14	3	3.5	-	-	8.4	180	10-1-7-2-7-3-3-1-3-3-3-2-3- -1- - - - -	0.17
08	37.0764	105.0247	2	07		0-C29465	04/15/75	10	3	4.0	-	-	5.6	180	12-1-7-1-7-3-3-1-3-2-3-2-5- -3- - - - -	1.64
08	37.0550	105.0053	2	07		0-C29466	04/15/75	10	2	4.0	-	-	7.2	1300	12-1-3-5-6-2-2-1-3-4-3-2-3- -3- - - - -	1.77
08	37.7339	105.3950	2	07		0-C29467	04/15/75	14	4	10.0	-	-	7.6	320	4-3-4-4-6-3-3-1-3-2-3-2-2- -3- - - - -	0.97
08	37.7333	105.3967	2	07		0-C29468	04/15/75	14	5	9.5	-	-	7.4	355	6-3-7-5-6-3-3-5-3-2-3-2-3- -3- - - - -	0.37
08	37.7308	105.4886	2	07		0-C29469	04/15/75	14	1	2.0	-	-	7.2	120	1-4- -5-8-2-2-1-3-3-2-2-3- -1- - - - -	0.24
08	37.7306	105.4669	2	07		0-C29470	04/15/75	15	-	5.0	-	-	5.9	140	6-4- -3-8-2-2-1-3-3-2-2-3- -1- - - - -	0.10
08	37.7308	105.3981	2	07		0-C29471	04/15/75	15	4	10.0	-	-	5.8	270	18-3-7-4-8-3-3-3-3-2-2-2-2- -3- - - - -	2.74
08	37.7153	105.3894	2	07		0-C29473	04/15/75	15	4	13.0	-	-	8.5	450	9-3-7-4-6-3-2-4-3-3-2-2-2- -3- - - - -	4.04
08	37.7189	105.3775	2	07		0-C29474	04/15/75	16	4	13.0	-	-	7.6	320	9-3-1-5-6-3-3-4-3-4-2-2-2- -3- - - - -	1.10
08	37.6808	105.4275	2	10		0-C29475	04/15/75	16	1	4.5	-	-	7.2	230	9-1-1-5-8-1-2-1-1-4-3-1-2- -1- - - - -	1.04
08	37.6689	105.4644	2	07		0-C29476	04/15/75	18	-	2.0	-	-	8.4	200	6-2-7-6-8-3-2-2-2-2-3-3-2- -1- - - - -	2.08
08	37.6703	105.4236	2	09		0-C29477	04/15/75	18	-	9.5	-	-	7.2	200	3-2-7-4-8-2-2-2-3-2-3-2-2- -3- - - - -	0.98
08	37.6958	105.4089	2	10		0-C29478	04/16/75	13	7	7.0	-	-	7.6	250	7- - -6-8-2-2-2-3-4-4-2-2- -1- - - - -	0.79
08	37.6572	105.4625	2	07		0-C29479	04/16/75	14	-2	5.0	-	-	8.4	90	7-1-7-5-8-4-3-1-3-2-3-2-5- -1- - - - -	0.62
08	37.6739	105.4111	2	07		0-C29480	04/16/75	15	-	4.0	-	-	7.5	150	7-1-1-4-8-3-2-1-3-2-3-2-5- -3- - - - -	0.56
08	37.3750	105.3006	2	07		0-C29481	04/28/75	14	20	12.2	-	-	7.6	103	1/59-3-1-4-1-3-2-1-2-3-3-3-1- -3- - - - -	1.74
08	37.2533	105.3133	2	07		0-C29482	04/29/75	15	18	9.2	-	-	7.4	103	14-3-1-4-1-3-2-1-2-3-2-3-1- -3- - - - -	5.67
08	37.5944	104.9356	2	08		0-C29484	04/13/75	12	10	17.0	-	-	7.4	300	15-4- - - - - -1- -3-2-3-2- -1-1- 3- - -	9.60*
08	37.5947	104.9817	2	08		0-C29485	04/13/75	13	15	14.2	-	-	8.2	600	1-4- - - - - -1- -4-3-3-3- -1-1- 3- 30- 33-	4.41
08	37.5753	104.9628	2	08		0-C29486	04/13/75	15	13	14.8	-	-	7.8	550	3-4- - - - - -1- -4-3-2-3- -1-1- 2- - -	2.78
08	37.5622	104.9825	2	06		0-C29487	04/13/75	16	11	13.5	C	-	7.6	550	15-4- -5-6-3-3-1- -2-3-4-3- -9- - - - -	1.49
08	37.5578	104.9872	2	10		0-C29488	04/13/75	16	10	16.0	-	-	8.3	200	22-4- -5-6- -2-4- -4-3-3-3- -3- - - - -	0.79
08	37.5247	104.9133	2	08		0-C29491	04/14/75	10	15	9.5	-	-	7.2	2500	12-4- - - - - -1- -4-3-3-3- -1-1- 2- - -	13.20*
08	37.5356	104.9619	2	07		0-C29492	04/14/75	15	11	10.0	-	-	8.1	650	9-4- -5-6-3-3-2-1-2-3-2-3- -1- - - - -	3.81
08	37.5464	104.9392	2	07		0-C29493	04/14/75	17	10	9.0	-	-	8.2	1300	6-4- -4-6-2-2-2-1-2-2-2-3- -1- - - - -	25.30*
08	37.5503	104.9950	2	08		0-C29494	04/14/75	16	8	10.0	-	-	7.2	800	3-4- - - - - -1- -4-3-2-3- -1-1- 2- - -	6.14
08	37.5689	104.9108	2	07		0-C29495	04/14/75	17	7	9.5	-	-	8.4	1300	9-4- -4-6-2-2-1-1-4-3-2-2- -3- - - - -	9.30*
08	37.5644	104.9128	2	07		0-C29496	04/14/75	17	7	10.0	-	-	9.3	700	9-4- -2-6-3-3-2-2-1-3-2-3- -3- - - - -	4.97
08	37.8019	105.2531	2	07		0-C29497	04/15/75	11	9	9.2	-	-	9.2	2200	12-1-6-4-6-2-2-2-1-1-2-3-3- -1- - - - -	52.00*
08	37.7606	105.3456	2	06		0-C29499	04/15/75	12	15	9.0	C	-	7.1	350	12-4- -4-6-3- -1- -3-2-3-2- -9- - - - -	2.58
08	37.7667	105.3231	2	07		0-C29500	04/15/75	13	14	12.0	-	-	7.4	700	1-1-1-5-6-2-2-1-1-3-3-3-2- -3- - - - -	13.00*
08	37.8028	104.8750	2	08		0-C29501	04/13/75	15	17	10.9	C	-	5.7	500	12-4- - - -3- -1- -3-2-3-2- -3-1- 2- - -	19.70*
08	37.7756	105.2957	2	07		0-C29503	04/15/75	14	19	15.0	-	-	8.0	550	13-1-1-4-6-2-2-6-1-3-3-3-2- -3- - - - -	5.80
08	37.8011	105.3053	2	07		0-C29504	04/15/75	15	12	13.0	-	-	5.6	500	10-4- -4-6-2-2-1-1-1-3-2-2- -1- - - - -	2.96
08	37.8189	105.3353	2	07		0-C29505	04/15/75	15	17	12.0	-	-	7.2	270	[illegible]-2-6-3-3-1-1-2-3-5-2- -1- - - - -	1.17
08	37.8408	105.3531	2	07		0-C29507	04/16/75	11	15	16.0	-	-	9.0	450	[illegible]-3-6-2-2-1-1-1-3-3-2- -3- - - - -	5.40
08	37.8694	105.3658	2	08		0-C29508	04/16/75	13	4	10.0	-	-	9.0	400	4-4- - - - - -1- -1-3-4-3- -1-1- 3- - -	0.84
08	37.8306	105.3075	2	07		0-C29511	04/16/75	15	5	9.1	-	-	8.8	1250	4-1-6-4-6-2-2-3-1-3-3-3-3- -3- - - - -	23.80*
08	37.4592	105.3617	2	10		0-C29516	04/28/75	16	16	15.7	-	-	5.3	2170	2-3-1-6-8-1-2-2- -4-3-2-1- -3- - - - -	4.73
08	37.9975	105.3922	2	08		0-C29517	04/14/75	11	13	11.5	-	-	9.8	138	12-4- - - - - -1- -3-2-3-3- -3-1- 4- - -	0.46
08	37.9661	105.3942	2	07		0-C29518	04/14/75	13	13	11.8	-	-	7.9	162	4- - -3-6-2-2-1-2-4-2-3-3- -3- - - - -	0.91

APPENDIX B (continued). Field Data and Uranium Concentrations for Water Samples

STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE			pH		FIELD DATA						U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC UNITS IN ppb
08	37.9272	105.4372	2	06	0	C29519	04/14/76	14	7	0.9	-	-	7.9	76	6-4- -4-6-2-2-1-2-1-3-4-3	3	-	-	-	-	0.30
08	37.9361	105.4375	2	06	0	C29520	04/14/76	14	4	2.1	-	-	7.2	37	8-2-6-6-6-2-2-1-2-4-2-4-5	3	-	-	-	-	0.19
08	37.9178	105.4317	2	07	0	C29521	04/14/76	14	1	1.8	-	-	7.1	33	4-2-6-3-6-3-3-1-2-4-3-4-5	3	-	-	-	-	0.10
08	37.9294	105.3044	2	10	0	C29522	04/14/76	16	2	6.8	-	-	8.5	73	8-4- -5-6-2-3-2-2-3-2-3-5	3	-	-	-	-	0.10
08	37.9314	105.3778	2	10	0	C29523	04/14/76	17	2	6.9	-	-	7.3	31	8-4- -5-6-2-2-3-2-3-2-3-3	3	-	-	-	-	0.16
08	37.9953	105.4344	2	07	0	C29525	04/15/76	11	7	2.1	c	-	7.0	145	14-4- -3-6-3-2-1-2-4-1-3-3	3	-	-	-	-	0.88
08	37.9708	105.4744	2	07	0	C29526	04/15/76	12	4	1.5	-	-	7.0	125	4-2-6-2-6-3-3-1-2-1-3-4-3	1	-	-	-	-	0.77
08	37.9647	105.4514	2	07	0	C29527	04/15/76	13	8	0.0	-	-	8.0	327	8-4- -4-6-3-3-1-2-4-3-3-3	3	-	-	-	-	0.70
08	37.9461	105.4517	2	07	0	C29528	04/15/76	13	9	2.5	-	-	7.4	100	16-4- -3-6-3-3-1-2-4-3-3-2	3	-	-	-	-	0.20
08	37.9456	105.4506	2	07	0	C29529	04/15/76	14	12	4.8	-	-	7.6	120	16-4- -3-6-3-3-1-2-4-3-3-2	3	-	-	-	-	0.25
08	37.8961	105.4139	2	06	0	C29531	04/15/76	16	7	4.9	-	-	7.1	245	8-2-4-6-6-2-2-1-2-1-3-5-2	3	-	-	-	-	0.10
08	37.8892	105.3042	2	07	0	C29532	04/15/76	16	5	3.3	-	-	7.2	75	10-2-4-3-4-3-3-1-2-4-3-5-2	3	-	-	-	-	0.16
08	37.8758	105.4025	2	07	0	C29533	04/15/76	17	4	2.5	-	-	7.1	110	10-2-4-3-6-3-3-1-2-1-3-5-2	3	-	-	-	-	0.10
08	37.6819	104.9067	2	06	0	C29535	04/15/76	19	4	5.2	-	-	7.3	3400	8-4- -5-6-2-2-1-2-3-2-3-2	3	-	-	-	-	17.40°
08	37.1144	105.2700	2	07	0	C29536	04/16/76	13	8	7.0	-	-	7.2	80	31-2-1-3-6-3-3-1-2-2-3-5-2	3	-	-	-	-	1.21
08	37.0872	105.2686	2	07	0	C29537	04/16/76	14	3	1.9	c	-	7.4	65	21-2-5-2-6-3-3-1-2-4-3-5-2	1	-	-	-	-	0.87
08	37.0583	105.2744	2	07	0	C29538	04/16/76	15	4	2.6	-	-	7.6	55	21-2-6-2-6-3-3-1-2-1-3-5-3	1	-	-	-	-	1.03
08	37.1056	105.3719	2	07	0	C29539	04/16/76	15	3	5.1	-	-	7.7	105	12-4- -5-6-2-2-2-1-4-3-3-3	3	-	-	-	-	1.23
08	37.0806	105.3603	2	07	0	C29540	04/16/76	17	3	4.2	-	-	8.0	240	21-2-6-2-6-2-2-1-2-3-2-3-3	3	-	-	-	-	5.78
08	37.1233	105.3078	2	07	0	C29545	04/17/76	9	-4	1.0	-	-	5.7	240	16-4- -4-6-3-4-1-1-4-3-3-5	3	-	-	-	-	2.72
08	37.8853	105.3390	2	07	0	C29547	04/14/76	10	20	0.0	-	-	7.9	160	5-3-1-3-6-3-3-2-2-4-3-2-2	3	-	-	-	-	0.54
08	37.9611	105.3603	2	08	0	C29551	04/14/76	13	12	8.7	-	-	10.1	235	11-4- -4-4-1-3-2- -4-2-2-2	3	1	6	-	-	0.65
08	37.9964	105.3381	2	07	0	C29552	04/14/76	14	0	8.0	-	-	8.9	173	10-1-4-3-4-3-3-1-2-3-3-2-3	3	-	-	-	-	0.39
08	37.9719	105.2650	2	06	0	C29554	04/14/76	14	8	6.5	-	-	7.8	255	8-1-1-5-6-2-6-1- -4-2-3-5	3	-	-	-	-	1.25
08	37.9900	105.2772	2	07	0	C29556	04/14/76	16	5	6.0	-	-	8.4	150	17-1-4-3-4-3-3-1-2-4-3-5-5	3	-	-	-	-	0.29
08	37.9719	105.3360	2	10	0	C29557	04/14/76	13	8	7.8	-	-	8.1	100	11-3-1-6-8-1-2-2- -4-3-2-5	3	-	-	-	-	0.31
08	37.9572	105.2039	2	08	0	C29561	04/14/76	-	4	2.8	-	-	3.9	900	11-3-1-5-8-1-3-2-2-4-3-3-5	3	1	H	-	-	0.10
08	37.9222	105.3289	2	08	0	C29562	04/14/76	18	2	6.2	-	-	9.6	272	8-3-1- - -1-3-2- -4-3-2-3	3	1	6	-	-	0.10
08	37.9044	105.3353	2	07	0	C29564	04/14/76	18	2	7.2	-	-	8.2	250	5-3-1-4-8-2-3-2-2-4-3-2-3	3	-	-	-	-	1.29
08	37.8978	105.3325	2	07	0	C29566	04/14/76	18	2	8.0	-	-	8.5	272	2-3-1-5-8-2-2-1-2-3-3-2-3	3	-	-	-	-	0.58
08	37.2106	105.0206	2	07	0	C29567	04/15/76	-	1	3.2	-	-	8.8	240	8-1-4-2-6-3-3-1-2-3-3-2-5	3	-	-	-	-	1.13
08	37.2078	105.0000	2	07	0	C29568	04/15/76	10	4	2.8	-	-	6.8	250	11-3-7-5-8-3-3-1-2-4-3-3-5	3	-	-	-	-	1.54
08	37.1975	104.9731	2	07	0	C29569	04/15/76	10	3	3.6	-	-	5.0	273	41-3-1-2-1-3-3-1-2-4-3-3-5	3	-	-	-	-	1.04
08	37.1983	104.9708	2	07	0	C29570	04/15/76	-	2	4.2	-	-	6.9	269	10-3-1-3-4-2-3-1-2-4-3-3-3	3	-	-	-	-	1.63
08	37.2303	104.9953	2	07	0	C29571	04/15/76	11	0	4.2	-	-	6.7	185	8-3-1-3-1-3-3-1-2-4-3-4-3	3	-	-	-	-	1.02
08	37.2303	104.9033	2	07	0	C29572	04/15/76	10	8	4.2	-	-	5.5	7000	5-3-1-3-1-3-3-1-2-4-3-4-3	3	-	-	-	-	4.08
08	37.1625	104.9433	2	07	0	C29573	04/15/76	12	7	5.4	-	-	6.4	288	14-3-7-2-7-3-3-2-2-3-3-3-3	3	-	-	-	-	1.24
08	37.1803	104.9291	2	06	0	C29575	04/15/76	13	13	11.0	-	-	5.5	5000	8-3-1-5-8-1-2-1- -4-3-3-2	3	-	-	-	-	0.93
08	37.1950	104.8842	2	06	0	C29577	04/15/76	14	11	13.0	-	-	5.8	5500	9-3-7-5-7-1-2-1- -4-2-4-2	3	-	-	-	-	2.39
08	37.1975	104.8775	2	07	0	C29578	04/15/76	15	8	11.5	-	-	5.8	5200	7-3-1-4-6-2-2-1-2-4-3-4-2	3	-	-	-	-	1.69
08	37.2339	104.8019	2	09	0	C29582	04/15/76	16	9	12.2	-	-	5.2	422	4-3-1-4-6-1-3-2-2-4-3-2-2	3	-	-	-	-	1.72
08	37.2444	104.9450	2	06	0	C29585	04/15/76	16	10	0.9	-	-	5.3	391	5-1-1-4-1-1-3-1- -1-3-4-2	3	-	-	-	-	1.31
08	37.2467	104.9533	2	07	0	C29586	04/15/76	15	10	8.4	-	-	5.1	293	5-1-1-4-1-2-2-1-1-1-3-4-2	3	-	-	-	-	0.72
08	37.2389	105.0517	2	07	0	C29587	04/16/76	10	5	1.2	-	-	7.3	155	10-1-4-4-2-2-2-1-2-2-3-3-2	3	-	-	-	-	1.28
08	37.2494	105.1050	2	07	0	C29588	04/16/76	10	3	2.5	-	-	8.0	125	4-1-4-3-4-4-3-1-2-2-3-4-5	1	-	-	-	-	0.81
08	37.2500	105.1042	2	07	0	C29589	04/16/76	10	3	2.5	-	-	8.0	132	11-1-4-3-4-4-3-1-2-2-3-4-5	1	-	-	-	-	1.15
08	37.2258	105.0589	2	07	0	C29590	04/16/76	11	-	1.5	-	-	7.9	140	8-3-1-4-7-3-3-1-2-2-4-5-2	1	-	-	-	-	1.10
08	37.2061	105.0500	2	07	0	C29591	04/16/76	11	5	2.0	-	-	7.8	142	5-3-7-3-1-3-2-1-2-1-3-3-2	1	-	-	-	-	0.94
08	37.2003	105.0491	2	09	0	C29592	04/16/76	-	0	6.5	-	-	7.0	202	9-3-1-6-6-1-3-2- -1-3-3-2	1	-	-	-	-	1.05
08	37.1564	105.0414	2	07	0	C29593	04/16/76	11	6	6.0	-	-	8.2	203	11-3-1-3-1-3-3-1-2-4-3-3-2	1	-	-	-	-	1.71
08	37.1522	105.0450	2	07	0	C29594	04/16/76	12	9	7.2	-	-	7.8	170	10-3-5-3-5-3-3-1-2-4-3-2-2	3	-	-	-	-	1.17

APPENDIX B (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	U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08-37.1383-105.0494-2-07-	0-C29595-04/16/75-12- 3- 6.8- - - 7.7- 127- 5-3-1-4-1-3-3-1-2-2-3-3-2- -1- - - - -	0.67
08-37.1661-105.1019-2-06-	0-C29596-04/16/75-14- 6- 2.9- - - 7.3- 152- 14-3-1-3-6-2-2-1-2-4-3-3-2- -3- - - - -	0.58
08-37.0464-105.4228-2-10-	0-C29598-04/17/75-12- -2- 3.9- - - 7.7- 270- 12-4- -5-6-2-3-2- -3-2-2-5- -3- - - - -	4.92
08-37.1756-105.3169-2-07-	0-C29602-04/17/75-16- -2- 3.9- - - 8.4- 364- 21-2-6-5-6-2-3-2-2-3-2-6-5- -3- - - - -	3.87
08-37.1736-105.2825-2-07-	0-C29603-04/17/75-17- -3- 1.9- - - 7.7- 290- 8-2-6-3-6-2-2-1-2-3-2-6-5- -3- - - - -	3.07
08-37.1444-105.0972-2-07-	0-C29604-04/16/75- - 5- 2.0- - - 7.7- 161- 12-3-6-4-6-3-3-1-2-1-4-5-2- -1- - - - -	1.27
08-37.1258-105.1039-2-07-	0-C29605-04/16/75-15- 5- 4.6- - - 7.7- 122- 7-1-4-3-4-3-3-1-2-1-3-4-5- -1- - - - -	0.99
08-37.1311-105.0481-2-07-	0-C29606-04/16/75-15- 4- 7.2- - - 7.9- 122- 6-3-1-3-4-3-3-1-2-4-3-2-2- -3- - - - -	1.18
08-37.1533-105.0047-2-07-	0-C29608-04/18/75- 9- 2- 4.0- - - 7.1- 433- 2-3-7-4-1-2-2-1-2-4-4-3-3- -3- - - - -	4.48
08-37.1542-105.0044-2-07-	0-C29609-04/18/75- 9- 2- 6.0- - - 7.9- 325- 15-3-7-4-1-2-2-1-2-4-4-3-3- -3- - - - -	1.30
08-37.1375-104.9789-2-08-	0-C29613-04/19/75-10- 3- 6.2- - - 8.1- 722- 10-3-1- - -1-3-2- -1-3-3-3- -1-1- 8- - -	1.11
08-37.1486-104.9222-2-08-	0-C29615-04/19/75-11- 11- 7.4- - - 9.2- 1350- 8-3-1- - -1-3-3- -1-3-3-3- -2-1-10- - -	0.16
08-37.1683-104.8756-2-07-	0-C29616-04/19/75-11- 7-11.2- - - 8.0- 555- 11-3-1-4-1-2-2-2- -4-2-3-3- -3- - - - -	1.38
08-37.1186-105.0392-2-10-	0-C29617-04/19/75-11- 8- 7.4- - - 8.5- 555- 11-3-1-4-7-1-3-2-1-4-3-2-3- -3- - - - -	2.21
08-37.0967-105.1172-2-09-	0-C29618-04/19/75-15- 2- 1.2- - - 7.3- 100- 17-3-1-3-4-3-3-1-2-1-4-5-5- -1- - - - -	1.32
08-37.0750-105.1039-2-07-	0-C29619-04/19/75-15- 2- 3.4- - - 7.4- 120- 7-3-3-3-3-3-3-1-2-1-4-5-5- -1- - - - -	1.89
08-37.0742-105.1022-2-07-	0-C29620-04/19/75-16- 4- 5.3- - - 7.1- 172- 20-3-1-3-1-2-2-2-2-2-3-4-5- -3- - - - -	0.57
08-37.0775-105.0031-2-07-	0-C29621-04/19/75-16- 4- 7.5- - - 7.1- 127- 8-3-1-6-8-1-3-6- -1-3-4-3- -3- - - - -	0.49
08-37.0750-105.0947-2-07-	0-C29622-04/20/75-10- 4- 2.7- - - 8.0- 137- 11-1-1-3-1-3-3-1-2-1-3-4-2- -3- - - - -	2.21
08-37.0569-105.0947-2-09-	0-C29623-04/20/75-10- 5- 0.4- - - 9.5- 234- 5-3-1-6-7-1-3-5- -1-3-4-2- -3- - - - -	0.47
08-37.0272-105.0031-2-07-	0-C29624-04/20/75-10- 11-11.8- - - 8.0- 304- 5-3-7-5-7-2-3-3-2-1-3-4-1- -3- - - - -	0.90
08-37.0106-105.0322-2-08-	0-C29625-04/20/75-12- 0- 8.5- - - 7.9- 443- 20-3-1- - -2-4-1- -1-3-4-1- -3-1-10- - -	0.10
08-37.0106-105.0522-2-06-	0-C29626-04/20/75-12- 0- 7.3- - - 7.4- 293- 7-3-1-5-4-2-2-1- -1-3-4-1- -3- - - - -	0.61
08-37.0028-105.0559-2-08-	0-C29627-04/20/75-13- 0- 8.8- - - 7.9- 399- 11-3-1- - -2-4-1- -1-3-4-1- -3-1-10- - -	0.10
08-37.0242-104.9997-2-07-	0-C29628-04/20/75-14- 15-10.7- - - 7.2- 298- 14-3-1-4-6-2-2-2-2-1-3-4-1- -3- - - - -	0.31
08-37.0511-104.9967-2-07-	0-C29629-04/20/75-14- -16.2- - - 5.9- 278- 8-1-7-5-1-3-3-1-2-2-2-4-1- -3- - - - -	1.80
08-37.0597-104.9851-2-07-	0-C29630-04/20/75-14- -16.3- - - 7.4- 300- 9-3-1-4-1-3-3-1-2-1-3-4-1- -3- - - - -	1.74
08-37.0386-104.9631-2-08-	0-C29636-04/21/75- 9- 13-17.3- - - 9.0- 950- 5-3-5- - -1-2-2- -3-3-4-1- -2-1-10- - -	0.20
08-37.0156-104.9492-2-06-	0-C29637-04/21/75-11- 10-12.8- - - 7.6- 238- 5-3-5-6-8-2-2-2-2-1-3-4-1- -3- - - - -	0.34
08-37.0092-104.9619-2-06-	0-C29638-04/21/75-11- 10-16.0- - - 8.3- 323- 0-3-1-4-6-2-2-2-2-1-3-4-1- -3- - - - -	0.88
08-37.0017-104.9439-2-07-	0-C29639-04/21/75-11- 16-17.8- - - 8.5- 365- 4-3-1-4-7-2-2-1-2-1-3-4-1- -3- - - - -	0.80
08-37.0292-104.9000-2-06-	0-C29640-04/21/75-13- 21-20.0- - - 7.7- 398- 17-3-1-6-8-1-2-2- -1-3-4-1- -3- - - - -	1.00
08-37.0506-104.9067-2-08-	0-C29642-04/21/75-14- 19-13.7- - - 8.5- 561- 11-3-1- - -2-3-1- -1-3-4-1- -3- - - - -	1.82
08-37.3511-105.1953-2-07-	0-C29645-04/22/75-10- 7- 2.2- - - 7.3- 131- 7-3-1-4-1-3-3-1-2-1-3-4-2- -1- - - - -	2.13
08-37.3403-105.0928-2-07-	0-C29646-04/22/75-10- 3- 4.2- - - 7.9- 231- 5-3-1-4-1-3-3-1-2-1-3-3-2- -8- - - - -	2.02
08-37.3000-105.0533-2-07-	0-C29647-04/22/75-10- 7- 4.1- - - 8.0- 131- 5-3-1-6-7-3-3-2-2-1-3-3-2- -3- - - - -	0.10
08-37.2983-105.0503-2-07-	0-C29648-04/22/75-11- 6- 7.2- - - 7.2- 93- 8-3-1-4-1-2-3-1-2-1-3-4-2- -3- - - - -	0.10
08-37.2939-105.0475-2-07-	0-C29649-04/22/75-11- 6- 7.0- - - 7.1- 37- 8-3-1-4-1-2-2-1-2-1-3-3-2- -3- - - - -	0.10
08-37.2769-105.0294-2-07-	0-C29651-04/22/75-11- 10- 6.0- - - 8.3- 152- 11-3-1-6-8-3-3-2-2-1-3-4-2- -3- - - - -	0.36
08-37.2650-105.0153-2-07-	0-C29652-04/22/75-11- 10-11.2- - - 8.4- 132- 8-3-1-6-8-3-3-1-2-1-3-4-2- -3- - - - -	0.70
08-37.2675-105.1191-2-07-	0-C29653-04/22/75-11- 11- 6.1- - - 8.2- 120- 8-3-1-3-4-3-3-1-2-1-3-4-2- -8- - - - -	0.36
08-37.8272-105.4500-2-07-	0-C29654-07/22/75-12- 10-14.0- - - 7.2- 61- 12-2-1-2-1-3-3-1-1-2-3-5-2- -8- - - - -	0.12
08-37.8528-105.4392-2-07-	0-C29655-07/22/75-12- 17-13.0- - - 5.8- 55- 12-2-1-2-1-3-3-1-1-2-3-5-3- -8- - - - -	0.06
08-37.8539-105.4399-2-07-	0-C29656-07/22/75-13- 17-13.0- - - 7.5- 48- 10-2-1-4-6-3-3-1-1-2-3-5-3- -8- - - - -	0.04
08-37.5022-105.4917-2-07-	0-C29659-07/23/75-11- 10-15.0- - - 9.3- 211- 10-2-1-4-6-3-3-1-2-4-3-3-2- -8- - - - -	1.35
08-37.5108-105.4922-2-07-	0-C29660-07/23/75-12- 10-13.0- - - 6.6- 71- 12-2-1-4-6-2-3-1-1-2-3-3-2- -1- - - - -	0.05
08-37.5117-105.4247-2-06-	0-C29662-07/23/75-13- 21-11.0- - - 5.0- 45- 6-2-1-5-8-2-3-1-1-2-3-3-2- -3- - - - -	0.07
08-37.5636-105.4322-2-07-	0-C29663-07/23/75-13- 10- 9.0- - - 8.2- 40- 12-2-1-1-1-4-6-1-1-1-3-5-2- -1- - - - -	0.31
08-37.5247-105.3906-2-07-	0-C29665-07/23/75-15- 22-15.0- - - 7.2- 55- 16-2-1-1-1-4-4-1-1-2-3-4-2- -3- - - - -	0.05
08-37.5386-105.3833-2-10-	0-C29666-07/23/75-14- 20-16.0- - - 7.3- 53- 10-2-1-5-6-3-3-1- -1-3-4-2- -3- - - - -	0.19
08-37.5575-105.3850-2-07-	0-C29667-07/23/75-15- 10-13.0- - - 6.4- 95- 12-2-1-2-1-4-4-1-1-1-3-4-2- -3- - - - -	0.1[illegible]

APPENDIX B (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, ...)	U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08-37.5667-105.3931-2-01-	0-C29668-07/23/75-15- 20-14.0- - - 9.0- 55- 10-2-1-1-1-4-4-1-1-1-3-4-2- -3- - - - -	0.50*
08-37.5675-105.3917-2-01-	0-C29669-07/23/75-15- 20-17.0- - - 7.4- 55- 10-2-1-2-1-3-3-1-1-2-3-4-2- -3- - - - -	0.45
08-37.5006-105.3958-2-01-	0-C29670-07/23/75-15- 21-19.0- - - 7.9- 65- 18-2-1-2-1-4-4-1-1-2-3-4-2- -3- - - - -	0.62
08-37.6208-105.4711-2-01-	0-C29671-07/24/75-12- 14- 6.0-C- - 5.2- 45- 9-2-7-2-7-4-4-1-1-4-4-5-4- -8- - - - -	0.72
08-37.9475-105.6000-2-01-	0-C29672-07/24/75-18- 17- 9.0-C- - 8.1- 60- 25-2-7-1-7-4-4-1-1-2-4-4-3- -8- - - - -	0.22
08-37.9217-105.5728-2-01-	0-C29673-07/25/75-12- 14- 9.0- - - 9.2- 55- 12-2-7-1-7-4-3-1-1-2-4-5-3- -9- - - - -	1.57
08-37.9017-105.6054-2-01-	0-C29674-07/25/75-13- 19-11.0- - - 7.9- 55- 12-2-1-2-1-3-3-1-1-2-4-4-2- -3- - - - -	2.43
08-37.9481-105.5350-2-06-	0-C29675-07/26/75-13- 17- 7.0- - - 8.3- 90- 19-2-7-1-7-3-3-1-1-3-4-5-3- -3- - - - -	1.00
08-37.9417-105.5381-2-09-	0-C29676-07/26/75-14- 10-11.0-C- - 7.6- 27- 16-2-7-1-7- -3-1- -1-2-5-4- -8- - - - -	0.78
08-37.9406-105.5293-2-06-	0-C29677-07/26/75-15- 17-11.0- - - 7.2- 110- 18-2-7-6-8-1-3-5-1-1-2-5-4- -8- - - - -	14.80*
08-37.9186-105.5042-2-01-	0-C29678-07/26/75-15- 17-11.0- - - 7.4- 35- 12-2-7-1-7-4-4-1-1-1-3-5-3- -8- - - - -	0.80
08-37.8892-105.5025-2-01-	0-C29679-07/26/75-16- 17-11.0- - - 8.2- 40- 9-2-7-1-7-4-4-1-1-1-2-5-4- -3- - - - -	1.92
08-37.9308-105.5106-2-06-	0-C29680-07/26/75-15- 17- 6.0- - - 7.9- 170- 12-2-7-2-7-2-3-1-1-3-2-5-4- -3- - - - -	2.95
08-37.9764-105.5061-2-01-	0-C29681-07/26/75-17- 13- 9.0- - - 8.3- 70- 40-2-4-1-4-4-4-2-1-1-4-5-3- -8- - - - -	3.59
08-37.9639-105.5458-2-01-	0-C29682-07/26/75-17- 9- 8.2- - - 7.7- 50- 16-2-4-1-4-4-4-6-1-2-4-5-4- -8- - - - -	2.05
08-37.7586-105.7342-2-08-	0-C29683-04/19/75-10- 3-44.3-C- - 7.2- 115- 14-4- - - - - - - -3-2-1-1- -9-9- 2- - 1-	0.10
08-37.7961-105.7228-2-08-	0-C29684-04/19/75-10- 3-17.9-C- - 7.5- 198- 18-4- - - - - - - -3-2-1-1- -9-9- 2- - 1-	0.10
08-37.7978-105.7459-2-06-	0-C29685-04/19/75-11- 6-17.0-C- - 7.0- 317- 6-4- - - - - - - -3-1-1-1- -9-9- 2- - 1-	0.10
08-37.7836-105.7181-2-08-	0-C29686-04/19/75-11- 6-11.2-C- - 7.0- 239- 15-4- - - - - - - -3-1-1-1- -9-9- 2- - 1-	0.10
08-37.7914-105.6958-2-08-	0-C29687-04/19/75-12- 10-17.2-C- - 7.6- 235- 9-4- - - - - - - -3-1-1-1- -9-9- 2- - 1-	0.10
08-37.7892-105.6747-2-06-	0-C29688-04/19/75-13- 11-17.4-C- - 7.2- 141- 18-4- - - - - - - -3-1-1-1- -9-9- 2- - 1-	0.10
08-37.7667-105.6986-2-08-	0-C29689-04/19/75-13- 12-17.0-C- - 8.0- 445- 9-4- - - - - - - -3-1-1-1- -9-9- 2- - 1-	0.10
08-37.7508-105.7167-2-08-	0-C29690-04/19/75-14- 0-22.0- - - 7.0- 425- -4- - - - - - - -3-1-1-1- -9-9- 2- - 1-	0.10
08-37.7567-105.9257-2-08-	0-C29692-04/19/75-10- 7-10.0- - - 7.2- 59- 16-4- - - -3-3-1-3-4-3-1-2- -9-9- 4- 90- 1-	0.49
08-37.7508-105.9722-2-06-	0-C29693-04/19/75-11- 3-16.5- - - 8.7- 21- 18- - - - - - -1- -4-3-1-3- -9-9- 4- 80- 1-	0.10
08-37.7669-105.9733-2-08-	0-C29694-04/19/75-11- 5-14.0- - - 9.3- 140- 15- - - - - - -1- -4-3-1-3- -9-9- 4- 90- 1-	0.19
08-37.7781-105.9819-2-08-	0-C29695-04/19/75-11- 5- 7.5- - - 8.0- 345- 16- - - - - - -3- -4-3-1-2- -9-5-12- - -	1.63
08-37.7781-105.9994-2-08-	0-C29696-04/19/75-11- 6- 7.0- - - 7.9- 270- 16- - - - - - -1- -2-2-1-3- -9-6-12- - -	1.14
08-37.7781-105.9633-2-08-	0-C29697-04/19/75-12- 4- 6.0- - - 8.0- 409- 9- - - - - - -2- -4-3-1-3- -9-6-12- 85- 7-	2.61
08-37.7886-105.9700-2-08-	0-C29698-04/19/75-12- 5-13.0- - - 8.0- 220- 9- - - - - - -2- -2-2-1-2- -9-9- 3- 95- 1-	0.38
08-37.7714-105.9000-2-08-	0-C29699-04/19/75-12- 9-15.0- - - 9.0- 1100- 10- - - - - - -1- -4-3-1-2- -9-9- 2- 98- 1-	0.48
08-37.8203-105.8808-2-08-	0-C29700-04/19/75-13- 0-15.0- - - 8.4- 900- 10- - - - - - -2- -4-4-1-2- -9-9- 2- - 1-	0.45
08-37.8361-105.8094-2-08-	0-C29701-04/19/75-14- 0-10.8- - - 9.0- 210- 7- - - - - - -1- -4-3-1-2- -9-9- 4- 93- 1-	0.46
08-37.8361-105.9022-2-08-	0-C29702-04/19/75-14- 9-11.0- - - 9.3- 70- 15- - - - - - -1- -4-3-1-2- -9-9- 2- 85- 1-	22.70*
08-37.8361-105.9458-2-08-	0-C29703-04/19/75-15- 8- 9.5- - - 9.0- 50- 12- - - - - - -1- -3-3-1-2- -9-9- 2- 91- 1-	1.46
08-37.8656-105.9454-2-08-	0-C29704-04/19/75-15- 7-10.8- - - 8.4- 60- 7- - - - - - -1- -4-3-1-2- -9-9- 2- 80- 1-	53.70*
08-37.8594-105.9222-2-08-	0-C29705-04/19/75-15- 8-19.0- - - 8.0- 240- 16- - - - - - -2- -4-3-1-2- -9-9- 2- - 1-	1.19
08-37.8556-105.8683-2-09-	0-C29706-04/19/75-16- 7- 7.5- - - 8.0- 500- 7- - - - - - -1- -4-4-1-2- -3- - - - -	21.30*
08-37.8228-105.8353-2-08-	0-C29707-04/19/75-17- 6-11.0- - - 9.0- 375- 6- - - - - - -2- -4-3-1-2- -9-9- 2- 95- 1-	0.15
08-37.8653-105.8239-2-08-	0-C29708-04/20/75-12- 10-12.5- - - 8.0- 180- 15- - - - - - -2- -3-3-1-1- -9-9- 2- - 1-	0.10
08-37.8619-105.7950-2-08-	0-C29709-04/20/75-12- 6-17.0-C- - 5.8- 230- 4- - - - - - -2- -3-3-1-1- -9-9- 1- - 1-	0.10
08-37.8531-105.8103-2-08-	0-C29710-04/20/75-13- 8-13.[illegible]-C- - 8.0- 50- 9- - - - - - -1- -3-3-1-1- -9-9- 3- - 1-	0.25
08-37.8411-105.8194-2-08-	0-C29711-04/20/75-13- 7-14.0- - - 9.2- 110- 16- - - - - - -1- -3-3-1-1- -9-9- 3- - 1-	0.10
08-37.8239-105.7086-2-08-	0-C29712-04/20/75-14- 0-15.7- - - 7.9- 220- 6- - - - - - -1- -3-3-1-1- -9-9- 2- - 1-	0.10
08-37.9167-105.0019-2-01-	0-C29713-05/11/75-15- 14- 5.0- - - 5.5- 610- 9-3-7-9-3-3-3-1-9-1-3-5-2- -1- - - - -	0.44
08-37.9675-105.0181-2-01-	0-C29714-05/11/75-16- 16-10.2- - - 5.1- 720- 4-2-7-1-7-3-3-2-1-1-3-5-3- -3- - - - -	0.10
08-37.9744-105.0844-2-01-	0-C29715-05/12/75-10- 6- 1.2-C- - 5.8- 525- 3-3-7-1-7-4-4-1-2-1-4-5-2- -9- - - - -	0.17
08-37.9761-105.0847-2-01-	0-C29716-05/12/75-10- 6- 1.2-C- - 5.9- 590- 6-3-7-1-3-4-4-1-2-1-4-5-2- -9- - - - -	0.10
08-37.8850-105.0914-2-01-	0-C29717-05/12/75-15- 13- 7.8- - - 5.3- 190- 12-3-3-2-3-3-4-1-2-1-5-5-2- -1- - - - -	0.24
08-37.2514-105.0353-2-01-	0-C29718-04/22/75-14- 10-13.0- - - 8.7- 490- 11-3-1-4-7-3-2-1-2-3-2-3-2- -3- - - - -	0.09
08-37.3461-105.0892-2-01-	0-C29719-04/22/75-14- 11-10.5- - - 9.9- 340- 8-3-1-4-7-3-3-1-2-1-3-3-2- -3- - - - -	1.15

APPENDIX B (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 – SPECIFIC CONDUCTANCE – … – WELL DEPTH FEET – WATER DEPTH FEET)	U CONCENTRATION WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
08-37.6717-104.9931-2-06-	0-C29720-04/26/75-11- 21-11.4- - - 5.8- 6500- 8-3-1-4-1-2-3-1- -3-2-2-1- -3- - - - -	2.60
08-37.6544-104.9483-2-08-	0-C29722-04/26/75-11- 27-13.2- - - 8.0- 9000- 5-3-1- - -1-3-5- -3-2-2-1- -3-1-10- - -	2.50
08-37.3264-104.8853-2-07-	0-C29723-04/26/75-10- 17- 9.7- - - 7.2- 258- 17-3-1-5-7-3-3-2-2-3-3-3-1- -3- - - - -	2.40
08-37.3081-104.9378-2-07-	0-C29724-04/26/75-11- 16-14.8- - - 7.2- 195- 5-3-1-4-1-2-2-1-1-1-6-4-2- -3- - - - -	0.06
08-37.3775-104.8817-2-06-	0-C29725-04/26/75-10- 15-10.2- - - 5.3- 125- 8-3-1-5-8-2-3-2-2-3-3-3-1- -3- - - - -	0.07
08-37.3758-104.8819-2-07-	0-C29726-04/26/75-11- 16- 8.8- - - 5.2- 108- 14-3-1-5-8-2-3-2-2-3-3-3-1- -3- - - - -	0.07
08-37.3561-104.9150-2-07-	0-C29727-04/26/75-10- 15- 5.2- - - 7.7- 100- 11-3-1-4-7-3-3-1-2-1-3-3-1- -3- - - - -	0.16
08-37.3231-104.9144-2-06-	0-C29728-04/26/75-11- 6- 9.2- - - 7.0- 448- 6-3-1- - -2-2-1- -4-3-3-1- -3-1-10- - -	1.45
08-37.3072-104.9357-2-08-	0-C29729-04/26/75-11- 11- 8.4- - - 5.9- 258- 8-3-1- - -2-2-2- -1-3-4-2- -3-1-10- - -	1.33
08-37.3278-104.9506-2-07-	0-C29730-04/26/75-12- 14-10.8- - - 5.4- 500- 5-3-1-4-1-3-3-1-2-4-3-6-1- -3- - - - -	0.19
08-37.3269-104.9456-2-07-	0-C29731-04/26/75-12- 14- 8.0- - - 5.8- 77- 16-3-1-4-1-3-3-1-2-1-3-4-1- -3- - - - -	0.46
08-37.3208-104.9500-2-08-	0-C29732-04/26/75-13- 12-11.2- - - 8.4- 430- 1-3-1- - -3-3-1- -1-3-4-1- -3-1- 8- 80- 10-	2.03
08-37.3175-104.9522-2-06-	0-C29733-04/26/75-13- 15- 7.2-C- - 5.6- 350- 11-3-1- - -3-3-1- -3-3-3-1- -3- - - - -	4.07
08-37.3000-104.9631-2-09-	0-C29734-04/26/75-15- 14-13.8- - - 7.1- 172- 14-3-1-5-8-1-3-4- -1-3-3-1- -3- - - - -	1.82
08-37.2903-104.9556-2-08-	0-C29735-04/26/75-16- 17-14.2- - - 8.2- 550- 8-3-1- - -1-2-3- -1-3-4-1- -3-1- 8- - -	0.17
08-37.2903-104.9731-2-10-	0-C29736-04/26/75-16- 14-15.0- - - 9.3- 125- 14-3-1-6-8-1-3-4- -4-3-4-2- -3- - - - -	4.68
08-37.2750-104.9657-2-09-	0-C29737-04/26/75-17- 15-14.0- - - 9.0- 420- 8-3-1-6-8-1-2-2-2-4-3-3-1- -3- - - - -	0.29
08-37.2669-104.9781-2-10-	0-C29738-04/26/75-16- 8-14.3- - - 8.3- 228- 8-3-1-4-1-1-3-3-2-1-3-3-1- -3- - - - -	7.98
08-37.2725-104.9361-2-08-	0-C29739-04/26/75-17- 13-14.0-C- - 8.5- 357- 11-3-1- - -2-3-2- -1-3-6-2- -3-1-10- - -	0.95
08-37.2956-104.8847-2-07-	0-C29742-04/26/75-18- 11-12.8- - - 7.8- 408- 5-3-1-3-1-2-2-1-2-3-3-3-2- -3- - - - -	0.57
08-37.2942-104.8854-2-07-	0-C29743-04/26/75-18- 11-11.0- - - 8.2- 320- 5-3-1-6-8-2-2-1-2-3-3-3-2- -3- - - - -	1.57
08-37.5150-105.3019-2-07-	0-C29745-04/27/75-11- 11- 7.6- - - 8.6- 303- 27-3-1-4-1-3-3-1-2-1-3-4-2- -3- - - - -	1.90
08-37.5217-105.2744-2-07-	0-C29748-04/27/75-11- 11- 9.2- - - 9.9- 275- 5-3-1-3-8-3-3-2-2-4-3-3-2- -3- - - - -	0.57
08-37.5231-105.2578-2-07-	0-C29749-04/27/75-11- 11- 6.5- - - 9.9- 250- 27-3-1-4-1-3-3-2-2-4-3-3-2- -3- - - - -	1.38
08-37.5211-105.2322-2-07-	0-C29750-04/27/75-12- 12- 6.9- - - 3.4- 250- 11-3-1-5-6-3-3-2-2-3-3-3-3- -3- - - - -	0.14
08-37.5197-105.2122-2-07-	0-C29751-04/27/75-12- 10- 7.5- - - 5.8- 149- 8-3-1-5-8-3-3-1-2-1-3-4-1- -3- - - - -	0.62
08-37.5139-105.2131-2-07-	0-C29752-04/27/75-12- 11- 6.8- - - 5.3- 323- 8-3-1-4-1-3-3-1-2-1-3-6-1- -3- - - - -	2.86
08-37.5147-105.2114-2-07-	0-C29753-04/27/75-12- 11- 6.9- - - 5.8- 140- 2-3-1-4-1-3-3-1-2-1-3-4-1- -3- - - - -	0.36
08-37.5531-105.2036-2-06-	0-C29754-04/27/75-13- 10-13.7- - - 7.5- 313- 17-3-1-4-1-2-2-1-2-4-3-4-2- -3- - - - -	1.54
08-37.5472-105.2122-2-07-	0-C29755-04/27/75-13- 10-11.5- - - 7.4- 337- 10-3-1-4-1-3-3-2-2-3-3-4-2- -3- - - - -	2.43
08-37.4150-105.3183-2-06-	0-C29757-04/28/75-10- 13- 3.9- - - 5.7- 392- 8-3-1-6-8-2-2-2-2- -3-3-1- -3- - - - -	3.01
08-37.4597-105.2953-2-07-	0-C29758-04/28/75-11- 11- 6.0- - - 7.4- 252- 18-3-1-4-1-3-3-1-2-3-3-2-1- -3- - - - -	1.84
08-37.4786-105.2606-2-07-	0-C29759-04/28/75-11- 14- 6.9- - - 5.2- 173- 5-3-1-4-1-3-3-1-2-3-3-3-1- -3- - - - -	2.98
08-37.4461-105.2778-2-07-	0-C29762-04/28/75-11- 12- 9.3- - - 5.8- 234- 14-3-1-5-6-3-3-1-2-1-3-3-1- -3- - - - -	1.90
08-37.4414-105.2586-2-07-	0-C29763-04/28/75-11- 14- 9.9- - - 5.9- 217- 5-3-1-6-6-3-3-1-2-1-3-3-1- -3- - - - -	3.03
08-37.4394-105.2559-2-07-	0-C29764-04/28/75-11- 14- 7.2- - - 5.7- 208- 18-3-1-6-7-2-2-1-2-1-3-3-1- -3- - - - -	0.69
08-37.3747-105.2942-2-07-	0-C29765-04/28/75-12- 15- 6.4- - - 7.1- 107- 10-3-1-4-7-3-3-1-2-2-3-3-1- -3- - - - -	2.05
08-37.3797-105.2642-2-07-	0-C29766-04/28/75-13- 14- 6.8- - - 5.8- 100- 8-3-1-4-1-3-2-1-2-1-3-3-1- -3- - - - -	0.31
08-37.3803-105.2650-2-07-	0-C29767-04/28/75-13- 18- 7.4- - - 5.2- 85- 5-3-1-4-1-3-2-1-2-1-3-4-1- -3- - - - -	0.69
08-37.4578-105.2942-2-07-	0-C29768-07/16/75-12- 25-20.0- - - 8.3- 270- 8-2-7-3-6-2-3-2-1-4-4-3-2- -3- - - - -	0.51

APPENDIX C

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS FOR SEDIMENT SAMPLES

(See Appendix D for Code to Listings)

APPENDIX C. Field Data and Uranium Concentrations for Sediment 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	SPECIFIC CONDUCTANCE 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	WEATHERING	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER INCHES	WELL DEPTH FEET	WATER DEPTH FEET	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
08	37.2897	104.8297	2	15	0	C28001	10/03/77	19	10						110	1	1	4			1		2	2	3	3	1		1					13.90
08	37.2881	104.8253	2	15	0	C28003	10/03/77	20	10						40	1	2	5	6		1		2	4	4	3	1		1					4.40
08	37.2778	104.8344	2	99	0	C28004	10/03/77	20	10						13	1	2	5	8		1		2	4	3	3	1		9					3.90
08	37.4819	104.5531	2	15	0	C28008	10/04/77	8	13						208	1	1	5	1		1		2	3	3	2	1		1					3.70
08	37.4875	104.5014	2	15	0	C28009	10/04/77	9	14						15	1	1	3	6		1		2	4	4	3	1		1					3.40
08	37.4528	104.5147	2	15	0	C28010	10/04/77	10	15						139	1	1	5	1		1		1	3	3	2	1		1					3.70
08	37.4078	104.5036	2	15	0	C28011	10/04/77	10	17		C				15	1	1	4	1		1		2	3	3	1	1		1					3.90
08	37.3961	104.5592	2	15	0	C28013	10/04/77	10	18						81	1	2	5	6		1		2	3	3	2	1		1					2.90
08	37.3942	104.5567	2	15	0	C28014	10/04/77	10	18						10	1	2	5	6		1		2	3	4	2	1		1					3.40
08	37.2081	104.5214	2	15	0	C28016	10/04/77	12	17						10	1	1	2	1		1		2	1	3	3	2		2					3.20
08	37.2175	104.5358	2	12	0	C28017	10/04/77	12	17	12.2	C		7.9	800	160	1	1	3	1	2	2	1	2	1	3	3	2		1					3.40
08	37.2211	104.5308	2	15	0	C28018	10/04/77	13	18						10	1	8	3	6		1		2	1	3	3	2		2					3.30
08	37.1767	104.5611	2	15	0	C28019	10/04/77	13	16		C				9	1	2	3	6		1		2	1	3	3	2		1					3.90
08	37.1597	104.5386	2	15	0	C28020	10/04/77	13	17		C				16	1	2	4	6		1		2	1	2	3	2		1					3.30
08	37.1539	104.5481	2	15	0	C28021	10/04/77	14	16						115	1	2	4	6				2	1	2	3	2		9					3.50
08	37.1469	104.5642	2	15	0	C28022	10/04/77	14	16						10	1	2	4	6		1		2	1	2	3	2		1					3.40
08	37.1517	104.5708	2	15	0	C28023	10/04/77	14	16						81	1	7	4	6		1		2	1	4	3	2		1					3.70
08	37.1644	104.5761	2	15	0	C28024	10/04/77	14	17						9	1	2	4	6		1		2	1	3	3	2		1					3.40
08	37.1439	104.5814	2	15	0	C28025	10/04/77	14	17						91	1	2	4	6		1		2	1	3	3	2		1					3.90
08	37.1372	104.6139	2	99	0	C28026	10/04/77	14	17		C				15	1	2	3	6		1		2	1	3	3	2		2					4.50
08	37.1447	104.4947	2	11	0	C28027	10/04/77	15	19		C		7.9	2600	139	1	2	5	8	2	2	1	2	1	3	3	2		1					3.30
08	37.1747	104.4742	2	15	0	C28028	10/04/77	16	23						11	1	8	4	6		1		2	1	3	2	2		2					3.10
08	37.1578	104.4258	2	15	0	C28030	10/04/77	16	20						104	1	8	3	8		1		2	4	3	2	2		1					3.10
08	37.1636	104.4551	2	15	0	C28031	10/04/77	17	20						6	1	2	4	6		1		2	1	3	2	2		1					2.70
08	37.2047	104.4617	2	15	0	C28032	10/04/77	17	19						9	1	2	4	6		1		2	2	3	3	2		9					3.70
08	37.2328	104.4528	2	15	0	C28033	10/04/77	17	19						104	1	2	5	6		1		2	4	4	2	3		3					3.60
08	37.2197	104.4289	2	15	0	C28034	10/04/77	17	18						12	1	2	4	6		1		2	3	3	2	3		9					3.40
08	37.2200	104.3894	2	15	0	C28036	10/04/77	17	18						142	1	2	5	6		1		2	3	3	1	3		1					3.60
08	37.2164	104.4981	2	15	0	C28037	10/04/77	18							17	1	6	4	6		1		2	1	3	2	3		1					3.20
08	37.1894	104.6533	2	15	0	C28038	10/05/77	7			C				127	1	2	5	7		1		2	4	3	3	3		1					3.50
08	37.1981	104.6622	2	15	0	C28039	10/05/77	7	8		C				10	1	2	5	6		1		2	3	3	3	3		2					4.20
08	37.2139	104.6594	2	99	0	C28040	10/05/77	8	8		C				9	1	2	5	6		1		2	4	4	3	3		1					4.10
08	37.2356	104.6542	2	11	0	C28041	10/05/77	8	9	7.6	C		5.0	550	91	1	2	4	6	2	3	1	2	1	3	3	3		1					3.80
08	37.2006	104.6747	2	11	0	C28042	10/05/77	8	9	7.5			7.9	1400	115	1	2	4	6	3	3	1	2	4	3	3	3		1					8.40
08	37.2197	104.6950	2	12	0	C28043	10/05/77	8	10	9.0			5.8	510	92	1	1	5	6	2	3	1	2	4	3	3	3		1					3.30
08	37.2353	104.6997	2	15	0	C28045	10/05/77	9	11		C				98	1	1	4	5		1		2	4	3	3	3		1					4.20
08	37.1350	104.6556	2	12	0	C28046	10/05/77	9	11	11.0	C		7.6	1150	162	1	2	3	6	2	3		2	4	3	3	3		1					2.90
08	37.1569	104.6657	2	99	0	C28047	10/05/77	9	10						104	1	2	5	6		1		2	1	2	2	3		1					4.60
08	37.1636	104.6839	2	11	0	C28048	10/05/77	9	11	11.5	C		7.9	1200	121	1	2	6	6	2	3		2	4	3	3	3		1					4.50
08	37.1664	104.6839	2	15	0	C28049	10/05/77	9	11		C				13	1	2	4	6		1		2	4	3	3	3		1					2.50
08	37.1850	104.7064	2	15	0	C28050	10/05/77	9	11						86	1	2	4	6		1		2	3	3	3	3		9					4.30
08	37.1992	104.7200	2	11	0	C28051	10/05/77	9	11	13.6	C		5.2	950	6	1	2	4	7	2	2	1		4	3	3	3		1					5.30
08	37.1992	104.7322	2	15	0	C28052	10/05/77	9	11						11	1	2	3	6		1		2	1	3	3	3		1					3.70
08	37.1986	104.7356	2	15	0	C28053	10/05/77	9	11						133	1	2	3	6		1		2	1	3	3	3		1					3.80
08	37.1292	104.6889	2	15	0	C28054	10/05/77	10	12						11	1	6	4	6		1		2	4	2	2	3		1					3.30
08	37.1381	104.7106	2	11	0	C28055	10/05/77	10	13	12.3	C		5.2	1340	127	1	2	4	6	2	3	1	2	4	2	3	2		1					4.40
08	37.1297	104.7400	2	15	0	C28056	10/05/77	10	12		C				3	1	2	3	6		1		2	4	2	2	2		1					3.60
08	37.1333	104.7654	2	12	0	C28057	10/05/77	10	14	16.0			7.4	700	57	1	1	3	6		2		2	4	2	3	2		1					4.30
08	37.1597	104.7758	2	15	0	C28058	10/05/77	12	13						6	1	2	5	6		1		2	4	3	3	2		3					5.00
08	37.1617	104.7764	2	11	0	C28059	10/05/77	12	13	10.0	C		8.0	700	115	1	2	3	6	2	3	1	2	4	2	3	2		3					4.80
08	37.1839	104.8059	2	15	0	C28061	10/05/77	13	14						92	1	2	5	6		1		2	1	3	3	2		1					4.40

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment 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-...)	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING DNC UNITS IN ppm
08-37.1928-104.7054-2-11-	0-C28062-10/05/77-14- 14-22.5- - - 7.4- 550- 8-1-1-5-6-2-2-1-2-1-3-3-3- -1- - - - - -	4.40
08-37.2181-104.7650-2-15-	0-C28063-10/05/77-14- 13- - - - - - 115-1-1-5-8- -1- -2-3-1-3-4- -1- - - - - -	3.90
08-37.2375-104.7839-2-11-	0-C28064-10/05/77-14- 13-10.0-C- - 5.6- 675- 12-1-1-5-8-2- -1- -4-4-2-4- -1- - - - - -	3.60
08-37.2039-104.8275-2-15-	0-C28065-10/05/77-15- 13- - - - - - 150-1-1-5-6- -1- -2-4-3-2-3- -1- - - - - -	4.20
08-37.2175-104.8408-2-15-	0-C28066-10/05/77-15- 13- - - - - - 13-1-1-5-6- -1- -2-4-3-2-3- -1- - - - - -	3.70
08-37.2197-104.8361-2-15-	0-C28068-10/05/77-15- 13- - - - - - 5-1-1-5-8- -1- -2-4-3-3-2- -1- - - - - -	4.00
08-37.2344-104.8325-2-99-	0-C28069-10/05/77-16- 12- -C- - - - 110-1-1-5-8- -1- -2-4-3-2-2- -1- - - - - -	3.40
08-37.2411-104.8361-2-11-	0-C28070-10/05/77-16- 12-14.5-C- - 7.2- 920- 8-1-1-6-8-2-3-1-2-4-3-3-3- -3- - - - - -	4.40
08-37.1794-104.8419-2-15-	0-C28071-10/05/77-17- 11- -C- - - - 10-1-1-4-6- -1- -2-4-3-3-3- -1- - - - - -	7.40
08-37.1719-104.8439-2-15-	0-C28072-10/05/77-17- 11- - - - - - 115-1-2-4-6- -1- -2-1-3-3-2- -1- - - - - -	5.90
08-37.1361-104.8514-2-12-	0-C28073-10/05/77-17- 10-12.3-C- - 5.8- 700- 92-1-2- - -2-3- -2-4-3-3-3- -1- - - - - -	2.80
08-37.1317-104.8067-2-15-	0-C28075-10/05/77-18- 10- -C- - - - 15-1-2-3-6- -1- -2-4-2-3-3- -1- - - - - -	5.40
08-37.1256-104.8050-2-15-	0-C28076-10/05/77-18- 10- - - - - - 115-1-6-3-8- -1- -2-3-3-3-3- -1- - - - - -	5.90
08-37.0303-104.3194-2-11-	0-C28077-10/08/77- 9- 7- 6.5-C- - 7.6- 390- 173-1-6-5-6-2-2-1- -1-4-6-1- -1- - - - - -	4.10
08-37.0400-104.3251-2-11-	0-C28078-10/08/77- 9- 9- 9.0-C- - 5.7- 195- 8-3-7-4-6-2-2-1- -2-3-4-1- -1- - - - - -	3.40
08-37.0594-104.3361-2-11-	0-C28079-10/08/77-10- 9- 5.0-C- - 5.8- 1550- 11-1-2-5-8-2- -1- -1-4-6-1- -1- - - - - -	4.00
08-37.0558-104.3359-2-11-	0-C28080-10/09/77-10- 9- 8.5-C- - 5.9- 510- 162-1-6-5-8-2-2-1- -1-4-3-1- -1- - - - - -	4.90
08-37.8192-104.7492-2-11-	0-C28082-10/09/77-10- 11-11.1- - - 7.4- 1040- 92-1-1-5-8-2-3-1-2-2-3-3-3- -1- - - - - -	4.40
08-37.8044-104.7411-2-15-	0-C28083-10/09/77-10- 11- -C- - - - 104-1-1-3-7- -1- -2-3-4-2-3- -1- - - - - -	4.00
08-37.8386-104.7292-2-11-	0-C28084-10/09/77-10- 11-10.5-C- - 7.0- 7800- 133-1-7-5-6-2-3-6-2-1-2-3-3- -1- - - - - -	5.70
08-37.8533-104.7058-2-12-	0-C28085-10/09/77-11- 16-17.7- - - 6.9- 3000- 104-1-1-5-6-2-2-1-2-4-3-2-2- -1- - - - - -	4.80
08-37.8622-104.6958-2-15-	0-C28086-10/09/77-11- 17- - - - - - 46-1-2-3-6- -1- -2-4-3-3-2- -1- - - - - -	3.70
08-37.8642-104.6959-2-15-	0-C28087-10/09/77-12- 18- - - - - - 3-1-6-5-6- -1- -2-1-2-3-2- -1- - - - - -	3.50
08-37.7519-104.5314-2-15-	0-C28088-10/11/77- 9- 2- -C- - - - 110-1-6-3-6- -1- -2-1-2-3-1- -1- - - - - -	3.90
08-37.0950-104.2281-2-12-	0-C28089-10/08/77-11- 20-16.5-C- - 5.7- 5020- 9-1-6- - -2-2-1-2-4-3-2-2- -1- - - - - -	5.70
08-37.0433-104.2061-2-11-	0-C28090-10/08/77-12- 19-13.0- - - 7.8- 720- 92-1-0-5-6-3- -1-2-1-3-3-2- -1- - - - - -	4.10
08-37.0414-104.2075-2-15-	0-C28091-10/08/77-12- 19- - - - - - 13-1-2-5-6- -1- -2-1-3-3-2- -1- - - - - -	3.60
08-37.0369-104.2147-2-15-	0-C28092-10/08/77-20- 12- -C- - - - 127-1-6-1-6- -1- -2-1-3-3-1- -1- - - - - -	3.30
08-37.9978-104.6850-2-11-	0-C28094-10/09/77- 7- 6- 4.0- - - 5.4- 1500- 57-1-1-3-1-2-3-1-2-1-3-3-1- -1- - - - - -	3.30
08-37.9731-104.7386-2-11-	0-C28095-10/09/77- 7- 5- 9.0- - - 5.4- 4950- 69-1-7-3-7-2-3-1-2-1-3-3-1- -1- - - - - -	3.90
08-37.9456-104.6392-2-15-	0-C28098-10/09/77- 8- 11- -C- - - - -1-1-5-6- -1- -2-4-3-3-1- -3- - - - - -	3.40
08-37.9297-104.6281-2-15-	0-C28099-10/09/77- 8- 11- -C- - - - 46-1-1-3-1- -1- -2-1-3-3-2- -1- - - - - -	2.90
08-37.9419-104.6500-2-11-	0-C28100-10/09/77- 8- 12- 7.5-C- - 5.8- 1300- 98-1-1-6-8-2-2-2-2-1-3-2-2- -1- - - - - -	3.30
08-37.9206-104.6947-2-11-	0-C28101-10/09/77- 8- 11-12.0-C- - 5.2- 2650- 5-1-1-5-6-2-2-2-2-4-3-3-2- -3- - - - - -	3.20
08-37.9019-104.6503-2-15-	0-C28105-10/09/77-14- 18- - - - - - 81-1-2-5-6- -1- -2-1-3-3-2- -1- - - - - -	3.60
08-37.9806-104.3108-2-15-	0-C28107-09/30/77-17- 30- - - - - - 17-1-1-5-6- -1- -2-3-4-2-2- -3- - - - - -	3.20
08-37.9692-104.3694-2-15-	0-C28108-09/30/77-17- 27- - - - - - 11-1-1-5-6- - - - -1-3-3-2- - - - - - -	2.90
08-37.9458-104.2878-2-15-	0-C28109-09/30/77-18- 26- - - - - - 15-1-1-5-6- - - - -4-3-3-2- - - - - - -	3.60
08-37.9567-104.3278-2-15-	0-C28110-09/30/77-19- 25- - - - - - 15-1-1-4-6- - - - -3-3-2-2- -9- - - - - -	3.50
08-37.8967-104.6392-2-15-	0-C28112-10/09/77-16- 18- -C- - - - 57-1-1-4-1- -1- -2-1-2-3-1- -1- - - - - -	4.10
08-37.8533-104.6656-2-15-	0-C28113-10/09/77-15- 21- - - - - - 9-1-1-4-1- -1- -2-4-2-2-2- -3- - - - - -	3.80
08-37.8158-104.7025-2-12-	0-C28117-10/09/77-17- 18-14.8- - - 5.9- 850- 16-1-7- -7-2-2-1-2-1-3-2-2- -3- - - - - -	3.20
08-37.7969-104.7231-2-15-	0-C28118-10/09/77-18- 16- -C- - - - 10-1-1-5-6- -1- -2-4-3-2-2- -3- - - - - -	3.70
08-37.9042-104.6350-2-15-	0-C28121-10/09/77-15- 18- - - - - - 57-1-1-3-6- - - -2-1-2-3-2- -1- - - - - -	3.50
08-37.7361-104.3197-2-15-	0-C28123-10/01/77-14- 27- - - - - - 9-1-1- - - - - - -1-3-3-1- -2- - - - - -	3.60
08-37.7428-104.2703-2-11-	0-C28125-10/01/77-15- 22-10.0-C- - 7.4- 1100- 6-1-1-4-8- - - - -1-3-3-1- -3- - - - - -	6.70
08-37.7433-104.3711-2-11-	0-C28126-10/01/77-15- 22-14.6- - - 5.6- 1000- 11-1-1-3-6-1- -5- -1-3-3-1- -3- - - - - -	4.30
08-37.6936-104.2959-2-15-	0-C28130-10/02/77- 8- 16- - - - - - 17-1-1-5-6- - - - -1-3-2-1- -3- - - - - -	3.40
08-37.7006-104.2628-2-11-	0-C28132-10/02/77- 9- 27-15.0- - - 5.0- 750- 3-1-1-6-6- - -2- -1-3-3-2- -3- - - - - -	3.80
08-37.6394-104.3489-2-11-	0-C28136-10/02/77-12- 21-15.0- - - 5.8- 1720- 10-1-1-6-6-2-3-2-2-4-5-3-1- -3- - - - - -	3.60
08-37.6528-104.3217-2-11-	0-C28137-10/02/77-13- 20-12.9- - - 7.1- 1760- 10-1-1-3-6- - - - -1-2-2-1- -3- - - - - -	4.10

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment 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	SPECIFIC CONDUCTANCE	SCINTILLOMETER	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER [illegible]	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
08	37.6417	104.2991	2	11	0	C28138	10/02/77	14	26	16.0	-	-	5.7	1400	15	1	1	6	8					1	3	2	1			-	-	-	-	4.20
08	37.6522	104.2661	2	11	0	C28139	10/02/77	14		17.0	-	-	4.0	2400	9	1	4	3	3			5		1	3	3	1		3	-	-	-	-	4.90
08	37.5419	104.2672	2	15	0	C28145	09/28/77	16	27		-	-	-	-	13	1	7	5	6		1		2	3	4	3	2		1	-	-	-	-	3.90
08	37.5361	104.2096	2	15	0	C28146	09/29/77	16	23		-	-	-	-	162	1	1	5	1		1		2	3	4	2	2		1	-	-	-	-	4.80
08	37.5289	104.3225	2	15	0	C28147	09/29/77	16	22		C	-	-	-	6	1	8	3	8		1		2	3	2	3	2		1	-	-	-	-	5.20
08	37.5008	104.3597	2	15	0	C28148	09/29/77	17	23		-	-	-	-	127	1	1	5	1		1		1	4	3	2	2		1	-	-	-	-	3.70
08	37.6181	104.2359	2	15	0	C28150	09/29/77	17	22		-	-	-	-	4	1	1	3	1		1		2	4	3	3	2		1	-	-	-	-	4.90
08	37.6197	104.2514	2	15	0	C28151	09/29/77	18	21		C	-	-	-	9	1	6	4	6		1		2	3	3	3	2		1	-	-	-	-	5.50
08	37.6133	104.3403	2	15	0	C28152	09/29/77	20	20		-	-	-	-	139	1	1	5	1		1		2	4	3	2	2		9	-	-	-	-	6.10
08	37.7878	104.5489	2	15	0	C28153	09/29/77	10	7		C	-	-	-	11	1	2	5	6		1		2	1	3	3	1		1	-	-	-	-	3.50
08	37.8283	104.5439	2	11	0	C28154	10/11/77	10	8	6.5	C	-	7.3	250	57	1	6	5	6	2	2	1	2	1	3	3	1		1	-	-	-	-	3.40
08	37.8519	104.5197	2	11	0	C28156	10/11/77	12	11	7.5	C	-	5.4	500	6	1	6	6	6	2	3	1	2	4	4	3	1		1	-	-	-	-	3.80
08	37.8469	104.5689	2	12	0	C28158	10/09/77	16	16	12.5	-	-	5.5	1200	139	1	1	4	6	3	3	1	2	4	3	4	2		1	-	-	-	-	3.70
08	37.8472	104.5733	2	15	0	C28159	10/09/77	16	16		C	-	-	-	6	1	1	3	6		1		2	3	3	4	2		1	-	-	-	-	3.40
08	37.7725	104.6108	2	15	0	C28160	10/09/77	18	14		C	-	-	-	15	1	1	4	6		1		2	3	2	2	2		1	-	-	-	-	4.70
08	37.8592	104.7289	2	12	0	C28161	10/09/77	15	20	13.0	-	-	7.8	6300	12	1	7	3	7	2	2	1	2		3	3	2		3	-	-	-	-	4.10
08	37.7594	104.5167	2	15	0	C28162	10/11/77	9	9		-	-	-	-	17	1	1	5	6		1		2	4	3	2	1		3	-	-	-	-	3.50
08	37.4175	104.0811	2	15	0	C28166	09/27/77	10	27		-	-	-	-	12	1	6	5	6		1		2	3	3	2	2		3	-	-	-	-	4.20
08	37.3836	104.0406	2	15	0	C28169	09/27/77	11	28		-	-	-	-	12	1	7	3	7		1		2	4	3	3	2		3	-	-	-	-	8.60
08	37.4733	104.0272	2	15	0	C28173	09/27/77	17	26		C	-	-	-	12	1	7	5	6		1		1	7	4	3	3		1	-	-	-	-	4.30
08	37.4658	104.0591	2	15	0	C28175	09/27/77	19	25		C	-	-	-	10	1	3	3	6		1		2	3	3	3	3		1	-	-	-	-	4.00
08	37.4350	104.0059	2	15	0	C28177	09/28/77	10	24		-	-	-	-	12	1	3	3	7		1		2	4	3	2	1		1	-	-	-	-	4.90
08	37.3792	104.2422	2	15	0	C28180	09/27/77	9	24		C	-	-	-	13	1	6	5	6		1		1	3	3	2	2		9	-	-	-	-	3.70
08	37.4381	104.1425	2	15	0	C28183	09/27/77	14	29		C	-	-	-	12	1	1	5	6		1		1	4	3	2	2		3	-	-	-	-	3.50
08	37.4028	104.2311	2	15	0	C28185	09/29/77	10	25		-	-	-	-	81	1	1	5	6		1		2	3	3	2	1		1	-	-	-	-	3.70
08	37.4253	104.2211	2	15	0	C28186	09/29/77	10	27		-	-	-	-	16	1	1	3	1		1		2	4	4	2	1		9	-	-	-	-	3.90
08	37.5142	104.2486	2	15	0	C28189	09/29/77	11	27		C	-	-	-	6	1	1	4	1		1		2	4	3	3	1		1	-	-	-	-	3.30
08	37.3019	104.4694	2	15	0	C28190	09/30/77	12	28		-	-	-	-	173	1	6	4	6		1		2	3	2	3	2		1	-	-	-	-	3.30
08	37.5422	104.2492	2	15	0	C28192	09/28/77	15	30		-	-	-	-	6	1	7	5	6		1		2	3	4	3	2		1	-	-	-	-	3.50
08	37.5769	104.1567	2	11	0	C28194	09/29/77	12	26	13.8	C	-	5.8	2400	127	1	1	3	1	2	3	1	2	1	3	3	1		1	-	-	-	-	3.20
08	37.5764	104.1300	2	15	0	C28195	09/29/77	12	26		-	-	-	-	10	1	1	5	6		1		2	4	3	2	1		1	-	-	-	-	4.30
08	37.5703	104.2308	2	15	0	C28197	09/29/77	13	26		-	-	-	-	9	1	9	3	6		1		2	4	3	3	2		1	-	-	-	-	4.20
08	37.5811	104.2336	2	15	0	C28198	09/29/77	13	26		C	-	-	-	34	1	1	3	1		1		2	4	3	3	2		1	-	-	-	-	4.40
08	37.5472	104.2478	2	11	0	C28199	09/29/77	16	24	23.9	-	-	7.3	1975	10	1	1	6	7	2	2	1	2	2	3	2	2		1	-	-	-	-	3.90
08	37.6108	104.2233	2	15	0	C28200	09/29/77	18	21		C	-	-	-	127	1	2	3	6		1		2	4	3	3	2		1	-	-	-	-	4.80
08	37.6214	104.1378	2	15	0	C28201	09/30/77	9	28		-	-	-	-	4	1	1	3	1		1		2	4	2	2	2		9	-	-	-	-	4.10
08	37.6061	104.1436	2	15	0	C28203	09/30/77	9	27		C	-	-	-	10	1	7	3	1		1		2	4	3	3	2		1	-	-	-	-	4.70
08	37.5403	104.1381	2	15	0	C28204	09/30/77	10	27		-	-	-	-	162	1	1	5	1		1		1	3	4	2	2		1	-	-	-	-	3.40
08	37.5836	104.0537	2	15	0	C28205	09/28/77	13	27		-	-	-	-	98	1	1	5	1		1		2	4	3	2	1		1	-	-	-	-	3.80
08	37.5717	104.1072	2	15	0	C28207	09/28/77	13	27		C	-	-	-	92	1	1	3	1		1		2	4	3	2	1		1	-	-	-	-	3.90
08	37.5472	104.1131	2	15	0	C28208	09/28/77	14	26		-	-	-	-	69	1	1	3	1		1		2	4	3	3	1		1	-	-	-	-	4.10
08	37.5156	104.0722	2	15	0	C28210	09/28/77	14	25		-	-	-	-	81	1	1	5	1		1		2	4	3	3	1		1	-	-	-	-	3.50
08	37.5850	104.0242	2	15	0	C28211	09/28/77	15	28		C	-	-	-	104	1	1	5	1		1		2	4	4	2	1		1	-	-	-	-	3.80
08	37.5511	104.0269	2	15	0	C28212	09/28/77	15	26		-	-	-	-	81	1	1	3	1		1		2	3	3	2	1		1	-	-	-	-	3.70
08	37.5217	104.0453	2	11	0	C28214	09/28/77	16	23	21.5	-	-	8.0	330	150	1	1	3	1	2	3	1	2	4	3	3	1		1	-	-	-	-	3.00
08	37.8706	104.5167	2	15	0	C28216	10/11/77	14	14		C	-	-	-	57	1	6	5	6		1		2	3	3	2	1		1	-	-	-	-	3.30
08	37.6122	104.8050	2	15	0	C28217	10/11/77	14	15		C	-	-	-	98	1	2	4	6		1		2	3	3	2	1		2	-	-	-	-	4.00
08	37.6658	104.8328	2	15	0	C28218	10/11/77	14	16		C	-	-	-	92	1	2	4	6		1		2	4	3	2	1		2	-	-	-	-	5.20
08	37.7381	104.1631	2	15	0	C28220	09/29/77	12	31		-	-	-	-	10	1	1	3	1		1		2	1	2	3	1		3	-	-	-	-	3.50
08	37.6294	104.0269	2	15	0	C28221	09/26/77	15	25		-	-	-	-	139	1	1	5	1		1		2	2	3	2	2		9	-	-	-	-	4.00
08	37.6419	104.0358	2	15	0	C28222	09/26/77	15	25		C	-	-	-	139	1	1	1	1		1		2	1	3	3	2		1	-	-	-	-	6.30

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REP. CATE.)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
08-37.6811-104.0261-2-15-	0-C28224-09/26/77-16- 26- - - - - - 133-1-1-5-1- -1- -2-4-3-2-2- -1- - - - -	3.90
08-37.6517-104.0836-2-15-	0-C28227-09/26/77-17- 26- - - - - - 86-1-1-3-1- -1- -2-3-3-3-2- -1- - - - -	4.80
08-37.7428-104.0617-2-11-	0-C28228-09/26/77-18- 23-20.0-C- - 7.4- 6100- 139-1-1-3-1-2-3-1-3-4-3-3-1- -1- - - - -	4.10
08-37.7178-104.0757-2-15-	0-C28229-09/26/77-18- 22- -C- - - - 115-1-1-5-1- -1- -2-4-3-3-1- -1- - - - -	4.80
08-37.6303-104.0951-2-15-	0-C28230-09/26/77-19- 21- - - - - - 91-1-1-3-1- -1- -2-3-3-2-2- -1- - - - -	4.20
08-37.7367-104.1169-2-15-	0-C28232-09/27/77-11- 26- -C- - - - 115-1-1-3-6- -1- -2-4-3-2-2- -9- - - - -	4.60
08-37.7128-104.1328-2-12-	0-C28233-09/27/77-14- 24-22.0- - - 7.8- 2140- 173-1-1-5-1-2-3-1-2-3-3-2-2- -1- - - - -	4.90
08-37.7325-104.1332-2-11-	0-C28234-09/27/77-14- 26- - - - 5.4- 155- 46-1-1-6-1-2-2-1-2-1-3-3-2- -1- - - - -	4.20
08-37.6772-104.1764-2-15-	0-C28238-09/27/77-17- 26- - - - - - 92-1-1-2-1- -1- -2-1-2-3-3- -1- - - - -	4.40
08-37.6608-104.1050-2-15-	0-C28240-09/27/77-19- 21- - - - - - 121-1-1-5-1- -1- -2-1-3-3-3- -1- - - - -	4.20
08-37.6733-104.1172-2-15-	0-C28242-09/28/77-10- 26- -C- - - - 133-1-1-5-6- -1- -2-4-3-3-1- -1- - - - -	4.70
08-37.6153-104.0944-2-15-	0-C28243-09/28/77-10- 25- -C- - - - 150-1-1-5-1- -1- -2-4-3-3-1- -1- - - - -	4.90
08-37.6158-104.0637-2-15-	0-C28244-09/28/77-11- 26- -C- - - - 92-1-1-4-6- -1- -2-3-2-2-1- -1- - - - -	4.60
08-37.5944-104.0442-2-15-	0-C28245-09/28/77-11- 26- - - - - - 69-1-1-3-1- -1- -2-3-3-2-1- -1- - - - -	4.10
08-37.5825-104.0617-2-15-	0-C28247-09/28/77-13- 26- - - - - - 81-1-1-3-1- -1- -2-4-3-2-1- -1- - - - -	4.10
08-37.8125-104.1289-2-15-	0-C28248-09/29/77-19- 26- - - - - - 15-1-1- - - - - -4-3-2-2- - - - - - -	3.70
08-37.8181-104.2431-2-15-	0-C28250-09/29/77-17- 30- - - - - - 13-1-1-5-6- -1- -2-4-4-2-2- - - - - - -	5.40
08-37.7867-104.2433-2-15-	0-C28251-09/29/77-16- 31- -C- - - - 16-1-6-7-8- -1- -2-1-2-2-3- -3- - - - -	6.10
08-37.7725-104.2333-2-11-	0-C28252-09/29/77-16- 31-22.7- - - 8.3- 157- 4-1-1-6-6-2-3-2-2-1-3-3-2- -3- - - - -	3.20
08-37.7533-104.2229-2-11-	0-C28253-09/29/77-13- 32-18.0- - - 5.7- 541- 15-1-6-6-7-1-3-2-3-3-3-3-2- -3- - - - -	7.60
08-37.7811-104.1717-2-15-	0-C28255-09/29/77-13- 33- - - - - - 4-1-6-3-1- -1- -2-4-3-2-2- -3- - - - -	4.40
08-37.7647-104.1697-2-15-	0-C28256-09/29/77-12- 32- - - - - - 6-1-1-5-6- -1- -2-3-3-3-2- -3- - - - -	3.20
08-37.7692-104.1194-2-15-	0-C28258-09/29/77-11- 34- -C- - - - 15-1-1-5-6- -1- -2-3-2-3-2- -3- - - - -	3.80
08-37.8731-104.1722-2-15-	0-C28259-09/26/77-18- 25- -C- - - - 10-1-2-4-6- -1- -2-4-3-2-2- -3- - - - -	4.00
08-37.8400-104.1731-2-15-	0-C28260-09/26/77-18- 26- -C- - - - 17-1-9-4-6- -1- -2-4-3-2-2- -3- - - - -	3.10
08-37.8631-104.1033-2-15-	0-C28263-09/29/77-19- - - - - - - 17-1-6-4-6- -1- -2-4-3-2-2- - - - - - -	4.10
08-37.8222-104.0719-2-15-	0-C28264-09/27/77-11- 25- - - - - - 8-1-1-5-6- -1- -2-3-3-2-1- -3- - - - -	4.10
08-37.7947-104.0642-2-15-	0-C28266-09/27/77-10- 23- - - - - - 13-1-1-4-6- -1- -1-4-3-1-1- -3- - - - -	3.60
08-37.7792-104.0186-2-11-	0-C28267-09/27/77- 9- 21-19.3-C- - 7.8- 2970- 9-1-1-4-1-1-3-1-3-4-3-2-1- -3- - - - -	3.00
08-37.7611-104.0572-2-15-	0-C28268-09/27/77-10- 21- -C- - - - 16-1-1-4-6- -1- -2-4-3-2-1- -3- - - - -	3.50
08-37.7986-104.0072-2-15-	0-C28269-09/27/77- 9- 20- - - - - - 16-1-1-4-1- -1- -2-4-3-2-1- -3- - - - -	3.50
08-37.7800-104.0083-2-11-	0-C28270-09/27/77- 8- 10-15.5-C- - 7.4- 2890- 12-1-1-4-6-1-3-1-2-3-3-3-1- -1- - - - -	3.00
08-37.7756-104.1037-2-15-	0-C28272-09/26/77-16- 27- - - - - - 11-1-1-4-6- -1- -2-4-3-2-2- -3- - - - -	3.80
08-37.8833-104.0296-2-11-	0-C28273-09/26/77-15- 34-19.1- - - 7.1- 600- 9-1-6-5-6-2-3-3-2-2-2-2-2- -3- - - - -	3.60
08-37.8819-104.0144-2-15-	0-C28274-09/26/77-18- 28- -C- - - - 5-1-6-4-6- -1- -2-3-3-2-2- -1- - - - -	4.20
08-37.8947-104.0422-2-15-	0-C28276-09/26/77-19- 25- -C- - - - 9-1-6-5-6- -1- -2-4-2-2-2- -1- - - - -	3.50
08-37.9206-104.1022-2-15-	0-C28278-09/27/77-14- 27- -C- - - - 10-1-1-4-6- -1- -1-4-3-2-1- -3- - - - -	3.90
08-37.9272-104.0847-2-15-	0-C28279-09/27/77-14- 27- - - - - - 16-1-1-4-6- -1- -1-4-3-2-1- -3- - - - -	4.00
08-37.9669-104.0553-2-15-	0-C28281-09/27/77-15- 27- - - - - - 23-1-1-4-6- -1- -2-3-4-2-2- -3- - - - -	3.90
08-37.9725-104.1106-2-15-	0-C28284-09/27/77-17- 30- - - - - - 19-1-1-4-6- -1- -2-3-4-2-3- -3- - - - -	3.60
08-37.9525-104.2047-2-15-	0-C28285-09/27/77-18- 28- - - - - - 13-1-1-4-6- -1- -2-4-3-2-3- -3- - - - -	3.50
08-37.9656-104.2479-2-15-	0-C28286-09/27/77-19- 25- - - - - - 13-1-1-4-6- -1- -2-3-2-2-3- -3- - - - -	3.90
08-37.9019-104.2006-2-15-	0-C28288-09/30/77-13- 33- - - - - - 15-1-1-5-6- -1- -2-3-3-2-2- -3- - - - -	3.60
08-37.9219-104.2154-2-15-	0-C28290-09/30/77-13- 33- - - - - - 9-1-1-2-1- -1- -2-4-3-2-2- -3- - - - -	3.20
08-37.9958-104.1836-2-15-	0-C28292-09/30/77-14- 34- - - - - - 17-1-1-5-6- -1- -2-4-4-2-3- -3- - - - -	3.50
08-37.9214-104.1331-2-15-	0-C28295-09/30/77-15- 36- - - - - - 10-1-1-5-6- -1- -2-4-2-2-2- -3- - - - -	3.60
08-37.9361-104.1722-2-15-	0-C28296-09/30/77-15- 34- - - - - - 16-1-1-5-6- -1- -2-3-4-2-2- -3- - - - -	3.70
08-37.6547-104.6072-2-15-	0-C28299-10/10/77- 8- 12- -C- - - - 52-1-1-3-1- -1- -2-4-3-2-1- -1- - - - -	3.40
08-37.6433-104.5917-2-15-	0-C28300-10/10/77- 8- 12- - - - - - 12-1-1-3-1- -1- -2-4-3-2-1- -1- - - - -	3.20
08-37.6564-104.5519-2-15-	0-C28302-10/10/77- 8- 13- -C- - - - 185-1-1-5-6- -1- -1-4-3-2-1- -1- - - - -	3.20
08-37.6578-104.5672-2-15-	0-C28303-10/10/77- 9- 13- - - - - - 185-1-1-3-6- -1- -2-4-3-2-1- -1- - - - -	3.20

APPENDIX C (continued). Field Data and Uranium Concentrations for Sedimont Samples

State	Latitude	Longitude	DOE Lab	Sample Type	Replicate	LASL Sample Location Number	Date	Hour	Air Temperature	Water Temperature	Comments	Special Measurements	pH	Specific Conductance	Other field data	U Concentration, Sediment Samples Analyzed by Delayed Neutron Counting (DNC), Units in ppm
08	37.6911	104.5975	2	15	0	C28304	10/10/77	9	13	-	-	-	-	-	16-1-1-5-6- -1- -1-4-3-2-1- -1- - - - -	3.30
08	37.6883	104.5208	2	15	0	C28305	10/10/77	10	11	-	C	-	-	-	115-1-1-5-6- -1- -2-3-3-3-1- -1- - - - -	3.10
08	37.7206	104.5408	2	15	0	C28306	10/10/77	10	11	-	-	-	-	-	23-1-1-5-6- -1- -2-4-3-2-1- -1- - - - -	3.00
08	37.7061	104.5858	2	15	0	C28307	10/10/77	19	5	-	C	-	-	-	231-1-1-5-6- -1- -2-4-1-2-3- -1- - - - -	4.10
08	37.6667	104.7094	2	15	0	C28308	10/11/77	15	14	-	C	-	-	-	15-1-2-5-6- -1- -2-3-3-2-1- -2- - - - -	2.90
08	37.7372	104.4822	2	15	0	C28309	10/10/77	10	10	-	-	-	-	-	-1-1-5-6- -1- -2-4-3-2-1- -1- - - - -	3.70
08	37.6878	104.4558	2	15	0	C28311	10/10/77	10	11	-	C	-	-	-	104-1-1-4-6- -1- -2-4-3-2-2- -1- - - - -	3.60
08	37.6561	104.4900	2	15	0	C28313	10/10/77	10	9	-	-	-	-	-	20-4- -5-6- -1- -1-4-3-2-2- -1- - - - -	4.50
08	37.6561	104.4325	2	11	0	C28314	10/10/77	10	8	14.5	C	-	7.9	700	57-1-2-4-6-2-3-2-2-1-3-2-2- -1- - - - -	3.60
08	37.6372	104.3099	2	15	0	C28315	10/10/77	11	7	-	-	-	-	-	13-1-1-5-6- -1- -2-1-2-2-3- -1- - - - -	3.50
08	37.6289	104.3903	2	15	0	C28316	10/10/77	11	8	-	-	-	-	-	8-1-2-3-6- -1- -2-1-2-3-3- -1- - - - -	3.40
08	37.6394	104.3750	2	11	0	C28317	10/10/77	11	8	13.5	-	-	5.0	1800	91-1-6-5- -2-3-1-2-1-2-3-3- -1- - - - -	3.10
08	37.6647	104.4000	2	15	0	C28319	10/10/77	11	8	-	-	-	-	-	69-1-6-5-6- - - -2-4-3-3-2- -1- - - - -	3.30
08	37.6781	104.4214	2	11	0	C28320	10/10/77	12	8	15.5	C	-	7.4	395	12-1-1-3-1-2-3-2-2-2-3-3-2- -1- - - - -	3.20
08	37.7747	104.6350	2	11	0	C28324	10/10/77	14	9	17.0	C	-	6.5	3100	115-1-1-5-6-2-3-6-2-4-3-3-2- -1- - - - -	4.70
08	37.7933	104.4169	2	15	0	C28325	10/10/77	14	9	-	-	-	-	-	15-1-1-5-6- -1- -1-4-3-2-2- -1- - - - -	3.30
08	37.8119	104.4557	2	15	0	C28327	10/10/77	15	7	-	-	-	-	-	12-1-2-3-6- -1- -2-1-2-2-3- -1- - - - -	3.40
08	37.8250	104.4558	2	99	0	C28328	10/10/77	15	7	-	C	-	-	-	139-1-8-5-6- -1- -2-3-3-4-3- -1- - - - -	3.60
08	37.8350	104.4539	2	11	0	C28329	10/10/77	16	7	12.4	-	-	5.9	550	104-1-2-5-6-2-2-2-2-1-3-4-3- -1- - - - -	3.60
08	37.8408	104.4425	2	11	0	C28330	10/10/77	15	7	12.5	-	-	6.0	900	9-1-1-5-6-2-3-1-2-1-3-4-3- -1- - - - -	3.50
08	37.8453	104.4693	2	15	0	C28331	10/10/77	17	6	-	C	-	-	-	12-1-1-5-6- -1- -1-4-3-2-3- -1- - - - -	3.90
08	37.8172	104.4753	2	15	0	C28333	10/10/77	18	6	-	C	-	-	-	144-1-1-5-6- -1- -2-4-3-2-3- -1- - - - -	3.60
08	37.7736	104.4097	2	15	0	C28334	10/10/77	19	6	-	C	-	-	-	11-1-2-5-6- -1- -2-4-3-2-3- -1- - - - -	3.50
08	37.7514	104.4967	2	15	0	C28336	10/10/77	19	6	-	C	-	-	-	15-1-1-5-6- -1- -2-1-3-2-3- -2- - - - -	3.20
08	37.7381	104.5061	2	15	0	C28337	10/10/77	19	6	-	C	-	-	-	12-1-1-5-6- -1- -2-4-3-2-3- -1- - - - -	3.70
08	37.7403	104.8286	2	15	0	C28338	10/11/77	15	14	-	C	-	-	-	133-1-6-5-6- -1- -2-4-3-2-1- -9- - - - -	4.30
08	37.7589	104.8089	2	15	0	C28339	10/11/77	16	14	-	C	-	-	-	9-1-6-4-6- -1- -1-4-3-2-1- -1- - - - -	6.60
08	37.8253	104.8289	2	15	0	C28340	10/11/77	16	16	-	C	-	-	-	150-1-1-3-4- -1- -2-4-3-2-1- -9- - - - -	4.40
08	37.8694	104.8289	2	15	0	C28341	10/11/77	16	16	-	C	-	-	-	9-1-1-5-6- -1- -2-4-3-2-1- -9- - - - -	4.10
08	37.9281	104.8028	2	12	0	C28342	10/11/77	17	15	12.6	C	-	5.5	1130	115-1-2-4-5-3-3-1-2-2-2-4-1- -1- - - - -	4.30
08	37.9239	104.7754	2	15	0	C28343	10/11/77	17	15	-	C	-	-	-	17-1-7-3-6- -1- -2-4-3-2-1- -3- - - - -	3.40
08	37.9944	104.8511	2	12	0	C28344	10/11/77	18	15	11.1	C	-	6.3	550	92-1-2-6-6-2-3-1-2-2-3-4-1- -1- - - - -	4.30
08	37.8817	104.8292	2	15	0	C28345	10/11/77	18	11	-	C	-	-	-	92-1-1-6-6- -1- -2-4-4-2-1- -3- - - - -	3.60
08	37.4428	104.6486	2	15	0	C28346	10/11/77	19	10	-	C	-	-	-	81-1-1-5-6- -1- -2-4-3-2-1- -9- - - - -	3.80
08	37.4172	104.6431	2	15	0	C28347	10/11/77	19	10	-	C	-	-	-	9-1-1-5-6- -1- -2-3-2-2-1- -1- - - - -	2.30
08	37.3975	104.6400	2	15	0	C28348	10/11/77	19	10	-	C	-	-	-	127-1-2-5-6- -1- -2-3-4-3-1- -1- - - - -	4.40
08	37.7017	104.7153	2	15	0	C28349	10/09/77	9	15	-	-	-	-	-	9-1-1-4-1- -1- -2-3-3-2-2- -3- - - - -	7.70
08	37.9744	104.6031	2	12	0	C28350	10/09/77	8	13	12.4	-	-	5.6	1550	9-1-1-3-1-2-2-1-2-1-3-3-2- -3- - - - -	3.60
08	37.7006	104.7350	2	15	0	C28351	10/10/77	9	13	-	-	-	-	-	11-1-6-4-6- -1- -2- -3-3-2- - - - - - -	3.10
08	37.7031	104.6781	2	15	0	C28352	10/09/77	19	13	-	-	-	-	-	4-1-1-4-6- -1- -2-3-3-2-2- -3- - - - -	5.30
08	37.7450	104.6406	2	11	0	C28353	10/09/77	18	11	9.1	C	-	6.9	2350	6-1-1-5-6-2-3-1-2-3-3-3-2- -3- - - - -	3.90
08	37.7075	104.6406	2	15	0	C28355	10/10/77	11	17	-	-	-	-	-	5-1-1-4-1- -1- -2-3-3-2-2- -3- - - - -	3.70
08	37.6733	104.6519	2	15	0	C28357	10/10/77	12	9	-	-	-	-	-	12-1-1-4-1- -1- -2-3-3-2-2- -3- - - - -	6.40
08	37.6708	104.6454	2	15	0	C28359	10/10/77	12	9	-	-	-	-	-	10-1-1-4-6- -1- -2-3-3-2-2- -3- - - - -	4.90
08	37.6586	104.7047	2	12	0	C28360	10/10/77	13	14	12.9	-	-	7.9	6100	6-1-1-2-9-2-3-1-2-3-4-2-2- -5- - - - -	3.50
08	37.6575	104.6972	2	15	0	C28361	10/10/77	13	14	-	-	-	-	-	11-1-1-4-6- -1- -2-3-4-2-2- -5- - - - -	2.90
08	37.6211	104.5922	2	15	0	C28363	10/11/77	13	16	-	-	-	-	-	9-1-1-3-1- -1- -2-4-2-2-2- -3- - - - -	4.40
08	37.5808	104.5028	2	15	0	C28367	10/11/77	15	18	-	-	-	-	-	15-1-1-5-6- -1- -2-6-3-2-1- -3- - - - -	3.30
08	37.5697	104.5034	2	15	0	C28368	10/11/77	16	20	-	-	-	-	-	17-1-1-4-6- -1- -2-4-3-2-1- -3- - - - -	4.30
08	37.5972	104.4667	2	11	0	C28371	10/11/77	18	15	6.8	-	-	7.0	320	9-1-4-5-6-2-2- -2-1-3-3-1- -3- - - - -	3.70
08	37.5992	104.5786	2	11	0	C28372	10/11/77	18	15	7.0	-	-	5.9	1500	9-1-1-4-5-1-3- -2-4-3-2-1- -3- - - - -	3.20

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment 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-...)		U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING DNC UNITS IN PPM
08-37.5881-104.4542-2-15-	0-C28373-10/11/77-19- 14- - - - - -	8-1-1-4-9- -1- -2-3-3-3-1- -3- - - - -	3.40
08-37.5594-104.3814-2-12-	0-C28376-10/12/77- 8- 21-12.3-C- - 9.1-10200-	17-1-7-3-7-2-3-1-2-3-3-3-1- -3- - - - -	4.10
08-37.5508-104.3936-2-11-	0-C28377-10/12/77-11- 21-13.2- - - 7.6-10000-	8-1-7-5-6-1-2-2-2-3-3-3-1- -3- - - - -	4.50
08-37.5664-104.4378-2-12-	0-C28378-10/12/77-12- 18- - - - 7.8- 4100-	3-1-1-4-6-2-2-1-2-3-3-2-1- -3- - - - -	4.60
08-37.5131-104.4656-2-12-	0-C28380-10/12/77-14- -14.0- - - 7.9- 9010-	9-1-1-4-8-2-2-1-2-3-3-3-1- -3- - - - -	4.70
08-37.5150-104.4281-2-15-	0-C28381-10/12/77-14- 26- - - - - -	11-1-7-3-1- -1- -2-4-2-2-1- -3- - - - -	3.60
08-37.5383-104.3294-2-15-	0-C28383-10/12/77-15- 26- - - - - -	11-1-1-5-6- -1- -2-1-3-2-1- -3- - - - -	4.30
08-37.2864-104.2917-2-15-	0-C28385-10/07/77-11- 20- - - - - -	10-1-1-4-1- -1- -2-3-4-2-2- -3- - - - -	4.10
08-37.2961-104.3033-2-15-	0-C28386-10/07/77-12- 30- - - - - -	12-1-6-3-6- -1- -2-3-4-3-1- -3- - - - -	3.30
08-37.3539-104.2708-2-15-	0-C28387-10/07/77-12- 30- - - - - -	13-1-7-1-6- -1- -2-3-3-2-1- -3- - - - -	3.30
08-37.5858-104.3644-2-12-	0-C28388-10/12/77- 8- 12- 5.6- - - 7.7-11000-	13-1-6-5-6-2-2-1-2-1-3-2-1- -3- - - - -	4.90
08-37.5811-104.3736-2-11-	0-C28389-10/12/77- 9- 13- 7.0- - - 7.9-10010-	23-1-1-5-1-2-2- -2-1-3-3-1- -3- - - - -	3.50
08-37.5694-104.3661-2-15-	0-C28390-10/12/77-10- 14- - - - - -	8-1-1-3-7- -1- -2-3-3-2-1- -3- - - - -	4.00
08-37.3175-104.0925-2-15-	0-C28391-10/06/77-17- 18- - - - - -	19-1-1-5-6- -1- -2-4-3-2-2- -3- - - - -	4.60
08-37.6025-104.7259-2-15-	0-C28392-10/11/77-11- 17- - - - - -	-1-1-4-1- -1- -2-4-3-2-2- -3- - - - -	2.70
08-37.2022-104.2539-2-15-	0-C28393-10/04/77- 8- 10- - - - - -	16-1-7-5-6- -1- -2-3-2-2-1- -3- - - - -	5.00
08-37.7867-104.2519-2-15-	0-C28394-09/29/77-17- 31- - - - - -	-1-1-5-6- - - - -1-2-3-2- -3- - - - -	3.50
08-37.7975-104.2631-2-15-	0-C28396-10/01/77- 9- 14- - - - - -	16-1-6-5-6- - - - -4-2-2-1- - - - - - -	3.60
08-37.7586-104.2896-2-11-	0-C28399-10/01/77-10- 16-15.5- - - 9.0- 250-	5-1-1-3-2-1-3-2-2-1-3-3-1- -3- - - - -	4.10
08-37.7758-104.3325-2-15-	0-C28400-10/01/77-10- 20- - - - - -	16-1-1-5-6- -1- -2-4-4-3-1- -3- - - - -	3.30
08-37.7750-104.3292-2-11-	0-C28401-10/01/77-12- 20-16.7- - -10.2- 250-	9-1-1-4-1-1-3-5-2-1-3-3-1- -3- - - - -	3.40
08-37.7522-104.3369-2-15-	0-C28402-10/01/77-14- 24- -C- - - -	16-1-1-5-6- - - - -1-3-2-1- -3- - - - -	3.30
08-37.6197-104.7225-2-12-	0-C28404-10/10/77-15- 15-12.9- - - 7.9- 3110-	12-1-1-4-6-2-3-1-2-3-4-3-2- -3- - - - -	6.60
08-37.5344-104.7072-2-15-	0-C28405-10/10/77-15- 10- - - - - -	15-1-1-4-1- -1- -2-4-3-2-2- - - - - - -	4.20
08-37.5169-104.6954-2-15-	0-C28406-10/10/77-16- 10- - - - - -	17-1-6-4-6- -1- -2-3-2-2-2- - - - - - -	3.00
08-37.5250-104.7250-2-15-	0-C28407-10/10/77-16- 10- - - - - -	15-1-1-4-6- -1- -2-1-3-3-2- -2- - - - -	3.90
08-37.5439-104.7361-2-15-	0-C28408-10/10/77-17- 9- -C- - - -	18-1-1-4-6- -1- -2-1-4-3-2- -3- - - - -	2.90
08-37.5544-104.7294-2-15-	0-C28409-10/10/77-18- 8- - - - - -	11-1-1-4-6- -1- -2-4-3-3-3- -3- - - - -	3.30
08-37.5406-104.6536-2-15-	0-C28410-10/10/77-18- 16- - - - - -	9-1-1-4-6- -1- -2-3-3-2-1- -3- - - - -	3.60
08-37.5633-104.6406-2-15-	0-C28411-10/11/77- 9- 18- - - - - -	13-1-1-5-6- -1- -2-3-3-3-1- -3- - - - -	3.70
08-37.6161-104.6433-2-12-	0-C28412-10/11/77-10- 19-14.7- - - 7.2- 6500-	13-1-7-4-6-1-3-1-2-3-3-2-2- -3- - - - -	2.60
08-37.6128-104.6497-2-15-	0-C28413-10/11/77-10- 19- - - - - -	15-1-1-5-6- -1- -2-3-3-2-2- -3- - - - -	4.00
08-37.5853-104.6417-2-15-	0-C28414-10/11/77-11- - - - - - -	10-1-7-4-6- -1- -2-3-3-2-2- -3- - - - -	5.80
08-37.5614-104.6647-2-15-	0-C28415-10/11/77-12- - - - - - -	10-1-6-4-6- -1- -2-3-3-2-2- -3- - - - -	3.60
08-37.3892-104.2694-2-15-	0-C28418-10/02/77- - 26- - - - - -	11-1-1-5-1- -1- -2-3-3-2-2- -9- - - - -	3.00
08-37.4264-104.2853-2-15-	0-C28420-10/07/77-17- 29- - - - - -	19-1-1-5-1- -1- -1-4-4-2-2- -3- - - - -	3.50
08-37.4347-104.2783-2-15-	0-C28421-10/07/77-16- 24- - - - - -	12-1-1-5-6- -1- -2-4-3-2-2- -3- - - - -	3.70
08-37.4103-104.3186-2-15-	0-C28423-10/07/77-19- 23- - - - - -	13-1-1-5-6- -1- -2-4-3-2-2- -3- - - - -	3.10
08-37.4031-104.3397-2-15-	0-C28424-10/07/77-19- 23- - - - - -	16-1-1-5-1- -1- -2-4-3-2-2- -3- - - - -	3.30
08-37.4981-104.3017-2-15-	0-C28426-10/08/77-15- 20- - - - - -	-1-1-3-1- -1- -2-4-3-3-1- -3- - - - -	3.70
08-37.4825-104.3631-2-15-	0-C28427-10/08/77-17- 31- - - - - -	12-1-1-5-6- -1- -2-1-3-2-1- -3- - - - -	3.40
08-37.4503-104.3603-2-11-	0-C28429-10/08/77-18- 19-11.0-C- - 7.9-10500-	10-1-1-5-6-2-2-3-2-4-3-3-2- -3- - - - -	4.10
08-37.0786-104.1275-2-15-	0-C28431-10/07/77- 8- 11- - - - - -	10-1-6-5-6- -1- -2-4-3-2-3- -1- - - - -	3.20
08-37.0161-104.1611-2-11-	0-C28432-10/07/77- 9- 14-16.0-C- - - -	202-1-8-6-6-3-3-1-2-2-3-3-2- -1- - - - -	3.80
08-37.0467-104.1614-2-15-	0-C28433-10/07/77-10- 16- -C- - - -	3-1-2-3-6- -1- -2-4-3-3-2- -1- - - - -	4.00
08-37.0561-104.1803-2-15-	0-C28434-10/07/77-10- 15- -C- - - -	133-1-2-2-7-3-3-1-2-4-3-2-2- -1- - - - -	3.90
08-37.0803-104.1819-2-12-	0-C28435-10/07/77-10- 15-16.5- - - 7.3- 2890-	92-1-6-5-6-2-3-2-2-2-2-2-2- -1- - - - -	3.90
08-37.1142-104.1639-2-15-	0-C28436-10/07/77-10- 16- - - - - -	127-1-7-3-6- -1- -2-4-3-3-2- -1- - - - -	3.80
08-37.1186-104.1936-2-12-	0-C28437-10/07/77-11- 17-14.5-C- - 7.9- 3950-	15-1-1-3-6-3-3-1-2-3-3-2-2- -1- - - - -	4.10
08-37.0906-104.2247-2-15-	0-C28438-10/07/77-11- 17- - - - - -	69-1-6-4-6- -1- -2-4-3-2-2- -1- - - - -	4.90
08-37.0386-104.2719-2-15-	0-C28439-10/07/77-18- 16- -C- - - -	8-3-6-5-8- -1- -2-2-4-3-2- -1- - - - -	3.50

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (State-Latitude-Longitude-DOE Lab-Sample Type-Replicate)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	CONCENTRATION, SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING DNC, UNITS IN ppm
08-37.1008-104,3222-2-15-	0-C28440-10/08/77- 7- 10- -C- - - - 6-3-7-3-7- -1- -2-4-3-2-1- -1- - - - -	3.30
08-37.0964-104,2854-2-15-	0-C28441-10/08/77- 7- 10- - - - - - 133-3-6-3-7- -1- -2-3-3-2-1- -1- - - - -	3.90
08-37.0797-104,2856-2-15-	0-C28442-10/08/77- 7- 10- - - - - - 13-3-6-3-7- -1- -2-3-3-2-1- -1- - - - -	4.10
08-37.0739-104,2794-2-15-	0-C28443-10/08/77- 7- 10- - - - - - 115-3-6-3-7- -1- -2-3-3-2-1- -3- - - - -	4.30
08-37.1472-104,3642-2-15-	0-C28444-10/03/77-11- - - - - - - 13-1-1-4-7- -1- -2-1-3-2-1- -1- - - - -	3.00
08-37.1450-104,3636-2-15-	0-C28445-10/03/77-11- 19- - - - - - 16-1-1-4-6- -1- -2-1-3-3-1- -1- - - - -	3.50
08-37.1261-104,3700-2-11-	0-C28446-10/03/77-12- 31-20,5-C- - 7.4- 1200- 9-1-1-4-7-2-3-1-2-1-3-3-1- -1- - - - -	4.00
08-37.1486-104,3097-2-15-	0-C28447-10/03/77-12- 32- - - - - - 6-1-1-4-6- -1- -2-3-2-2-1- -1- - - - -	3.40
08-37.1464-104,3081-2-15-	0-C28448-10/03/77-12- 32- - - - - - 10-1-1-4-6- -1- - -4-3-2-1- -1- - - - -	3.50
08-37.1406-104,2947-2-15-	0-C28449-10/03/77-13- 32- -C- - - - 24-1-9-5-6- -1- -2-1-2-2-1- -1- - - - -	6.90
08-37.1600-104,2839-2-15-	0-C28450-10/03/77-13- 32- - - - - - 9-4-6-5-6- -1- -1-4-4-2-1- -3- - - - -	4.00
08-37.1753-104,2897-2-15-	0-C28451-10/03/77-14- 30- - - - - - 34-1-6-4-7- -1- -2-3-3-2-1- -3- - - - -	3.00
08-37.1808-104,2954-2-15-	0-C28452-10/03/77-14- 29- - - - - - 11-1-8-4-7- -1- -2-3-3-2-1- - - - - - -	5.10
08-37.1858-104,2942-2-15-	0-C28453-10/03/77-15- 29- - - - - - 15-1-8-4-7- -1- -2-3-2-2-1- - - - - - -	3.80
08-37.1861-104,3339-2-15-	0-C28454-10/03/77-15- 29- - - - - - 10-1-9-4-8- -1- -2-3-2-2-1- -1- - - - -	3.90
08-37.2244-104,3239-2-15-	0-C28455-10/04/77- 7- 16- - - - - - 12-1-7-4-8- -1- -2-3-3-1-1- -3- - - - -	3.80
08-37.2094-104,2892-2-15-	0-C28456-10/04/77- 7- 14- - - - - - 17-1-7-4-7- -1- -2-3-3-2-1- -3- - - - -	3.50
08-37.1161-104,1142-2-12-	0-C28458-10/03/77-18- 23-16,7-C- - 8.0- 5000- 6-1-1-3-1-2-3-1-1-3-2-2-1- -3- - - - -	4.60
08-37.1014-104,1147-2-12-	0-C28459-10/03/77-19- 21-15,8-C- - 6.9- 2500- 13-1-1-5-6-2-3-6-2-2-4-2-1- -3- - - - -	3.20
08-37.0200-104,1044-2-15-	0-C28461-10/03/77-19- 21- - - - - - 9-1-6-3-6- -1- -2-3-2-2-2- -3- - - - -	3.70
08-37.0839-104,1094-2-15-	0-C28462-10/04/77-18- 25- - - - - - 13-1-1-5-6- -1- -2-4-4-2-2- -3- - - - -	3.60
08-37.0431-104,0986-2-15-	0-C28463-10/04/77-18- 21- - - - - - 10-1-6-5-6- -1- -2-3-2-2-3- -3- - - - -	3.70
08-37.0514-104,0511-2-12-	0-C28464-10/04/77-19- 21-14,5- - - 7.2- 3100- 13-1-6-5-6-1-3-2-2-3-4-2-2- -1- - - - -	4.00
08-37.0300-104,0375-2-15-	0-C28465-10/04/77-19- 20- - - - - - 4-1-6-5-6- -1- -2-4-3-2-3- -1- - - - -	3.60
08-37.0189-104,0017-2-15-	0-C28466-10/05/77- 8- 8- -C- - - - 8-1-7-4-7- -1- -2-1-2-2-3- -3- - - - -	3.40
08-37.0714-104,0550-2-15-	0-C28469-10/05/77- 9- 10- -C- - - - 13-1-6-5-6- - - - -4-2-2-3- - - - - - -	3.30
08-37.1233-104,0736-2-15-	0-C28471-10/05/77-11- 14- - - - - - 17-1-1-4-1- -1- -2-4-2-1-3- -3- - - - -	3.70
08-37.2642-104,2411-2-15-	0-C28472-10/06/77-10- 17- - - - - - 9-4-6-5-6- - - -1-6-4-2-3- -3- - - - -	4.10
08-37.3072-104,1517-2-15-	0-C28476-10/06/77-12- 18- - - - - - 10-1-1-5-6- -1- -2-4-4-2-3- -3- - - - -	3.70
08-37.3050-104,2269-2-12-	0-C28478-10/06/77-12- 20-13,9- - - 8.4-10480- 10-1-6-4-6-1-2- -2-6-2-2-6- -3- - - - -	4.30
08-37.3686-104,1800-2-15-	0-C28483-10/07/77-14- 30- - - - - - 13-1-1-7-6- -1- -2-4-2-2-2- -3- - - - -	2.80
08-37.3258-104,2383-2-12-	0-C28484-10/07/77-15- 27-19,8- - - 8.7-10330- 9-1-1-5-6-1-2-3-2-3-3-2-2- -3- - - - -	5.10
08-37.3506-104,3500-2-15-	0-C28486-10/07/77-19- 23- - - - - - 13-1-1-5-6- -1- -2-4-3-2-2- -3- - - - -	4.10
08-37.3272-104,3253-2-15-	0-C28487-10/06/77-14- 21- - - - - - 15-1-1-5-6- -1- -2-3-3-2-1- - - - - - -	3.60
08-37.3519-104,3556-2-12-	0-C28488-10/08/77-14- 21-10,8- - - 7.1- 3200- 9-1-1-3-6-2-2-1-2-4-3-2-1- -3- - - - -	3.50
08-37.7667-104,5361-2-11-	0-C28489-10/11/77- 8- - 8,0-C- - 5.7- 270- 139-1-6-6-6-2-3-1-2-1-3-3-1- -1- - - - -	3.50
08-37.2367-104,0681-2-15-	0-C28491-10/04/77-10- 28- - - - - - 15-1-6-4-6- -1- -2-3-2-2-1- -3- - - - -	3.60
08-37.2278-104,0642-2-15-	0-C28492-10/04/77-10- 28- - - - - - 11-1-1-5-6- -1- -2-1-3-2-1- -3- - - - -	3.90
08-37.1817-104,1017-2-11-	0-C28494-10/06/77-17- 24-15,7- - - 6.9- 453- 13-1-1-4-6-2-3-2-2-1-3-4-2- -3- - - - -	3.40
08-37.1258-104,0242-2-11-	0-C28495-10/05/77-13- 14-13,9- - - 7.0- 1100- 26-1-1-5-6-2-3-5-2-1-3-3-3- - - - - - -	6.10
08-37.1639-104,0157-2-11-	0-C28496-10/05/77-13- 14-11,0- - - 7.0- 500- 12-1-1-4-6-1-3-2-2-1-3-3-3- -1- - - - -	3.90
08-37.1617-104,0858-2-11-	0-C28499-10/05/77-16- 17-15,0-C- - 7.9- 250- 2-1-1-5-6-1-3-5- -1-3-3-3- -9- - - - -	3.70
08-37.1961-104,0272-2-15-	0-C28500-10/05/77-16- 17- - - - - - 13-1-1-3-6- -1- -2-1-3-2-3- -3- - - - -	3.40
08-37.1589-104,0856-2-15-	0-C28502-10/05/77-16- 15- - - - - - 9-1-1-3-6- -1- -2-4-3-2-3- -3- - - - -	3.80
08-37.7683-104,5361-2-15-	0-C28504-10/11/77- 8- - -C- - - - 8-1-6-4-6- -1- -2-1-3-3-1- -1- - - - -	2.90
08-37.7583-104,5386-2-15-	0-C28505-10/11/77- 9- 2- -C- - - - 11-1-4-4-6- -1- -2-1-3-3-1- -1- - - - -	3.60
08-37.2700-104,1144-2-15-	0-C28506-10/06/77- 9- 23- - - - - - 16-1-1-5-6- - - - -4-2-2-1- -3- - - - -	3.40
08-37.2611-104,0891-2-15-	0-C28507-10/06/77-10- 28- - - - - - 10-1-1-5-6- - - - -4-3-2-1- -3- - - - -	3.50
08-37.2683-104,0633-2-15-	0-C28508-10/06/77-11- 28- - - - - - 9-1-1-5-6- -1- -2-3-3-2-1- -3- - - - -	4.90
08-37.2850-104,0256-2-11-	0-C28510-10/06/77-12- 28-10,1-C- - 7.4- 1120- 11-1-1-5-6-3-3-5- -4-3-2-1- -3- - - - -	4.80
08-37.2936-104,0181-2-11-	0-C28511-10/06/77-12- 28-10,9- - - 6.9- 395- 12-1-1-3-1-1-3-3- -4-3-2-1- -3- - - - -	3.50

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REP. DATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA (LASL SAMPLE LOCATION NUMBER-DATE-HOUR-...)	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING DNC UNITS IN ppm
08-37.3472-104.0769-2-15-	0-C28514-10/06/77-14- 18- -C- - - - 8-1-1-3-9- -1- -2-4-2-2-3- -3- - - - -	1.90
08-37.3439-104.0128-2-15-	0-C28516-10/06/77-15- 10- - - - - - 11-1-1-5-6- -1- -2-4-3-2-3- -3- - - - -	4.90
08-37.3106-104.0550-2-15-	0-C28518-10/06/77-16- 19- - - - - - 19-1-1-5-1- -1- -2-4-2-2-3- -3- - - - -	3.60
08-37.1422-104.2191-2-15-	0-C28521-10/03/77-16- 20- - - - - - 10-1-1-3-1- -1- -2-3-2-2-1- -3- - - - -	3.00
08-37.1561-104.1806-2-15-	0-C28522-10/03/77-17- 20- - - - - - 6-1-7-5-6- -1- -2-3-4-2-1- -3- - - - -	3.80
08-37.1611-104.1611-2-15-	0-C28523-10/03/77-17- 24- - - - - - 15-1-1-5-6- - - - -2-3-2-1- - - - - - -	3.50
08-37.2003-104.2269-2-15-	0-C28524-10/04/77- 8- 10- - - - - - 15-1-7-4-7- -1- -2-3-2-2-1- -3- - - - -	3.90
08-37.1956-104.1333-2-15-	0-C28525-10/04/77-14- 20- - - - - - 11-1-1-4-6- -1- -2-4-2-2-1- -1- - - - -	5.20
08-37.2044-104.1528-2-15-	0-C28526-10/04/77-14- 28- - - - - - 10-1-1-4-7- -1- -2-4-3-2-1- -1- - - - -	4.50
08-37.2053-104.1317-2-15-	0-C28527-10/03/77-15- 20-10.0- - - - - 11-1-6-3-7- -1- -2-2-3-2-1- -1- - - - -	4.50
08-37.2164-104.1878-2-15-	0-C28528-10/04/77-15- 20- - - - - - 9-1-6-3-6- -1- -2-2-3-2-1- -3- - - - -	4.90
08-37.1869-104.1400-2-12-	0-C28530-10/04/77-15- 27-19.2-C- - 7.6- 1340- 6-1-1-1-1-2-3-2-2-3-3-2-2- -3- - - - -	4.30
08-37.0500-104.5225-2-15-	0-C28531-09/30/77-16- 25- - - - - - 13-1-2-3-6- -1- -2-2-3-3-2- -1- - - - -	4.60
08-37.0494-104.5253-2-15-	0-C28532-09/30/77-16- - - - - - - 121-1-2-3-6- -1- -2-2-3-3-2- -1- - - - -	3.60
08-37.0597-104.5256-2-15-	0-C28533-09/30/77-16- 25- -C- - - - 12-1-2-3-6- -1- -2-1-3-3-2- -1- - - - -	3.90
08-37.0597-104.5211-2-15-	0-C28534-09/30/77-15- 24- -C- - - - 69-1-2-3-6- -1- -2-1-3-3-2- -1- - - - -	4.10
08-37.1303-104.5167-2-11-	0-C28535-09/30/77-16- 23-16.2- - - 7.7- 2525- 92-1-1-3-1-2-2-1-2-1-3-4-2- -1- - - - -	3.80
08-37.1331-104.5642-2-15-	0-C28536-09/30/77-17- 24- -C- - - - 9-1-1-5-6- -1- -2-4-3-3-2- -9- - - - -	4.30
08-37.1228-104.5390-2-15-	0-C28537-09/30/77-17- 23- -C- - - - 69-1-2-3-1- -1- -2-1-3-4-2- -9- - - - -	3.00
08-37.1303-104.5978-2-15-	0-C28538-09/30/77-18- 22- -C- - - - 8-1-1-3-1- -1- -2-1-2-3-2- -9- - - - -	3.90
08-37.1306-104.5956-2-12-	0-C28539-09/30/77-18- 22-16.2-C- - 7.4- 775- 75-1-2-2-2-3-2-2-2-4-3-3-2- -9- - - - -	4.40
08-37.1694-104.5257-2-15-	0-C28540-09/30/77-18- 21- - - - - - 69-1-1-4-1- -1- -2-4-3-3-2- -9- - - - -	3.00
08-37.0894-104.6103-2-15-	0-C28541-10/05/77-20- 9- - - - - - 69-1-1-4-6- -1- -2-2-2-3-3- -1- - - - -	4.10
08-37.0886-104.6225-2-15-	0-C28542-10/05/77-20- 9- -C- - - - 10-1-1-3-6- -1- -2-1-2-3-3- -1- - - - -	3.80
08-37.1211-104.5081-2-15-	0-C28543-10/05/77-20- 9- - - - - - 91-1-1-5-6- -1- -2-3-3-3-3- -1- - - - -	4.70
08-37.1067-104.3300-2-12-	0-C28545-10/07/77-11- 16-17.0- - - 6.8- 1150- 91-1-2- - -2-3-1-2-2-3-3-2- -1- - - - -	3.60
08-37.0708-104.2597-2-15-	0-C28546-10/07/77-16- 10- -C- - - - 104-1-6-3-6- -1- -2-1-3-3-2- -1- - - - -	3.50
08-37.0233-104.2617-2-11-	0-C28547-10/07/77-16- 18- 9.0-C- - 7.5- 1370- 12-3-6-5-6-4- -1- -1-4-6-2- -1- - - - -	2.80
08-37.0250-104.2806-2-11-	0-C28548-10/07/77-16- 17-10.0-C- - 7.8- 4310- 115-3-6-5-6-2- -1- -1-4-3-2- -1- - - - -	3.90
08-37.0272-104.2831-2-11-	0-C28549-10/07/77-17- 16-13.5-C- - 7.4- 455- 104-3-7-5-8-2-3-1-3-2-3-4-2- -1- - - - -	3.80
08-37.4617-104.4817-2-15-	0-C28552-10/01/77-12- 20- -C- - - - 139-1-1-5-1- -1- -2-4-3-2-1- -1- - - - -	3.70
08-37.0122-104.2789-2-11-	0-C28555-10/07/77-17- 16-10.3-C- - 7.0- 130- 10-3-6-5-8-2- -1- -1-4-6-2- -3- - - - -	3.40
08-37.3356-104.6250-2-11-	0-C28556-10/01/77-10- 15-14.8- - - 7.7- 2400- 12-1-2-6-7-3-3-1-2-6-3-4-1- -9- - - - -	4.00
08-37.3386-104.5025-2-12-	0-C28557-10/01/77-10- 14-11.4- - - 8.0- 2000- 139-1-2-5-6-2-3-1-2-4-2-2-1- -1- - - - -	4.40
08-37.3411-104.5917-2-15-	0-C28558-10/01/77-10- 14- - - - - - 6-1-2-3-6- -1- -2-4-3-2-1- -1- - - - -	2.60
08-37.3219-104.5897-2-15-	0-C28559-10/01/77- 9- 13- - - - - - 173-1-1-3-6- -1- -2-4-4-3-1- -9- - - - -	3.70
08-37.3728-104.5475-2-15-	0-C28560-10/01/77- 9- 12- - - - - - 23-1-6-4-6- -1- -2-3-3-2-1- -1- - - - -	4.30
08-37.2764-104.5742-2-15-	0-C28562-10/01/77- 8- 9- - - - - - 6-1-1-3-1- -1- -2-2-2-4-1- -1- - - - -	3.80
08-37.2806-104.5742-2-15-	0-C28563-10/01/77- 8- 9- - - - - - 115-1-2-4-6- -1- -2-2-2-3-1- -1- - - - -	3.10
08-37.2806-104.5354-2-15-	0-C28565-10/01/77- 7- 9- - - - - - 8-1-6-4-6- -1- -2-4-4-2-1- -1- - - - -	3.20
08-37.2819-104.5175-2-15-	0-C28566-10/01/77- 7- 8- -C- - - - 139-1-6-3-6- -1- -2-3-3-2-1- -1- - - - -	2.90
08-37.2958-104.5317-2-15-	0-C28567-10/01/77- 7- 7- -C- - - - 10-1-6-3-6- -1- -2-4-3-2-1- -1- - - - -	3.20
08-37.3231-104.5128-2-15-	0-C28569-10/01/77- 6- 9- -C- - - - 20-1-2-3-1- -1- -2-4-3-2-1- -1- - - - -	3.30
08-37.2944-104.3758-2-15-	0-C28570-09/30/77-12- 28- - - - - - 57-1-1-5-1- -1- -2-3-3-2-2- -1- - - - -	4.40
08-37.2733-104.4669-2-15-	0-C28573-09/30/77-12- 27- - - - - - 5-1-6-3-6- -1- -2-3-4-2-2- -1- - - - -	3.70
08-37.3389-104.4596-2-15-	0-C28574-09/30/77-12- 27- - - - - - 8-1-1-3-1- -1- -2-3-2-3-2- -1- - - - -	4.10
08-37.3528-104.4417-2-15-	0-C28575-09/30/77-13- 28- - - - - - 15-1-1-4-1- -1- -2-4-3-2-2- -1- - - - -	4.30
08-37.3269-104.4247-2-15-	0-C28577-09/30/77-13- 27- -C- - - - 11-1-6-5-6- -1- -2-3-3-2-2- -1- - - - -	3.80
08-37.1042-104.5275-2-15-	0-C28578-09/30/77-15- 24- - - - - - 16-1-1-5-6- -1- -2-4-3-4-2- -1- - - - -	3.80
08-37.0853-104.5192-2-15-	0-C28579-09/30/77-14- 23- - - - - - 104-3-8-4-6- -1- -2-2-3-3-2- -1- - - - -	3.40
08-37.0700-104.5200-2-15-	0-C28580-09/30/77-15- 23- - - - - - 12-1-1-5-6- -1- -2-1-2-4-2- -1- - - - -	3.40

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
08-37.3531-104.7531-2-15-	0-C28582-10/03/77-18- 16- -C- - - - 9-1-1-2-1- -1- -2-2-3-3-2- -3- - - - - -	5.40
08-37.3547-104.8072-2-12-	0-C28583-10/03/77-18- 14- 9.7- - - 7.2- 150- 115-1-1-4-6-3-3-1-2-2-3-3-2- -1- - - - - -	3.40
08-37.3586-104.8133-2-12-	0-C28584-10/03/77-18- 14- 7.5- - - 7.8- 310- 11-1-1-4-6-3-3-1-2-2-3-3-2- -1- - - - - -	5.80
08-37.3631-104.8744-2-11-	0-C28585-10/03/77-19- 14- 9.5- - - 7.6- 330- 173-1-1-5-6-2-3-2-2-1-3-3-2- -1- - - - - -	4.00
08-37.3386-104.7875-2-15-	0-C28586-10/03/77-18- 14- - - - - - 12-1-1-4-6- -1- -1-4-3-3-2- -1- - - - - -	3.20
08-37.3056-104.7758-2-15-	0-C28588-10/03/77-19- 11- -C- - - - 1-1-1-4-6- -1- -2-4-3-3-2- -1- - - - - -	2.90
08-37.3206-104.8392-2-15-	0-C28589-10/03/77-19- 10- - - - - - 92-1-1-4-6- -1- -2-4-3-3-1- -1- - - - - -	8.00
08-37.3044-104.7091-2-15-	0-C28590-10/03/77-19- 10- - - - - - 127-1-1-5-6- -1- -2-4-3-3-1- -1- - - - - -	3.70
08-37.4533-104.8097-2-15-	0-C28592-10/03/77-15- 19- - - - - - 10-3-1-5-8- -1- -2-4-3-2-2- -1- - - - - -	3.90
08-37.4547-104.7633-2-11-	0-C28594-10/03/77-15- 18-12.7- - - 7.6- 500- 115-1-2-4-6-2-3-1-2-4-4-3-2- -1- - - - - -	2.80
08-37.4586-104.7536-2-15-	0-C28595-10/03/77-15- 16- - - - - - 6-1-2-4-6- -1- -2-2-3-3-2- -1- - - - - -	3.80
08-37.4294-104.8444-2-11-	0-C28596-10/03/77-15- 14- 8.0- - - 7.6- 170- 57-3-1-6-7-2-3-1-2-2-3-3-2- -1- - - - - -	3.70
08-37.4289-104.8453-2-12-	0-C28597-10/03/77-15- 14- 9.1- - - 7.2- 172- 11-3-1-5-8-4-3-1-2-2-3-3-2- -1- - - - - -	3.80
08-37.4389-104.7875-2-11-	0-C28598-10/03/77-16- 15-11.2- - - 7.0- 610- 115-3-1-5-6-3-4-1-2-2-3-2-2- -1- - - - - -	5.00
08-37.4358-104.7992-2-12-	0-C28599-10/03/77-16- 17-11.2-C- - 7.6- 540- 15-3-7-5-8-2-3-1-2-2-3-3-2- -9- - - - - -	5.40
08-37.4267-104.7739-2-15-	0-C28600-10/03/77-16- 17- -C- - - - -1-7-5-6- -1- -2-1-3-3-2- -1- - - - - -	3.80
08-37.4281-104.7475-2-11-	0-C28601-10/03/77-16- 16-11.1- - - 5.9- 910- 12-1-7-5-6-2-3-1-2-1-3-3-2- -1- - - - - -	3.40
08-37.3828-104.8058-2-15-	0-C28602-10/03/77-16- 15- - - - - - 127-1-1-4-8- -1- -1-4-4-3-2- -1- - - - - -	4.70
08-37.3847-104.8025-2-15-	0-C28603-10/03/77-16- 15- - - - - - 9-1-1-4-8- -1- -2-4-3-3-2- -1- - - - - -	3.10
08-37.3794-104.7542-2-15-	0-C28604-10/03/77-17- 14- -C- - - - -3-7-4-1- -1- -2-1-3-3-2- -1- - - - - -	3.40
08-37.9694-104.7875-2-11-	0-C28605-10/03/77-10- 16-13.7-C- - 7.8- 915- 92-1-1-5-6-3-3-1-2-4-3-3-1- -9- - - - - -	3.40
08-37.9694-104.8194-2-15-	0-C28606-10/03/77-11- 17- -C- - - - 4-1-1-3-7- -1- -2-3-3-3-1- -1- - - - - -	3.30
08-37.9744-104.8167-2-15-	0-C28607-10/03/77-11- 17- - - - - - 46-1-1-3-6- -1- -2-1-3-3-1- -1- - - - - -	2.80
08-37.9122-104.8408-2-15-	0-C28608-10/03/77-12- 17- - - - - - 8-1-1-4-6- -1- -2-2-3-3-1- -1- - - - - -	5.00
08-37.4997-104.8128-2-15-	0-C28610-10/03/77-13- 14- -C- - - - 115-1-1-4-6- -1- -2-4-4-3-3- -1- - - - - -	2.80
08-37.7675-104.8664-2-15-	0-C28611-10/02/77-17- 16- -C- - - - 81-1-1-5-6- -1- -2-4-3-3-1- -1- - - - - -	3.30
08-37.7958-104.7686-2-11-	0-C28612-10/02/77-17- 15-15.4-C- - 7.1- 1950- 3-1-7-5-6-2-3-1-2-3-3-3-1- -1- - - - - -	3.80
08-37.7806-104.8283-2-15-	0-C28614-10/02/77-19- 10- -C- - - - 8-1-1-5-6- -1- -2-4-3-2-1- -9- - - - - -	3.00
08-37.7889-104.8206-2-15-	0-C28615-10/02/77-19- 12- - - - - - -1-1-4-1- -1- -2-4-3-2-1- -1- - - - - -	3.10
08-37.8081-104.8228-2-15-	0-C28616-10/02/77-19- 11- -C- - - - -1-1-5-6- -1- -1-4-3-2-1- -9- - - - - -	3.10
08-37.8419-104.8306-2-15-	0-C28618-10/03/77- 7- 9- - - - - - 9-1-1-7-6- -1- -2-4-3-2-1- -9- - - - - -	5.20
08-37.8558-104.8300-2-15-	0-C28619-10/03/77- 7- 9- -C- - - - 57-1-1-5-5- -1- -2-3-4-2-1- -9- - - - - -	3.80
08-37.8353-104.7919-2-15-	0-C28620-10/03/77- 8- 10- - - - - - 15-1-1-5-6- -1- -2-4-4-2-1- -1- - - - - -	4.40
08-37.8397-104.7857-2-12-	0-C28621-10/03/77- 8- 10- 8.7-C- - 5.9- 3200- 162-1-7-5-6-3-3-1-2-4-3-2-1- -9- - - - - -	5.10
08-37.4706-104.8242-2-15-	0-C28622-10/03/77-14- 10- - - - - - 5-1-1-5-6- -1- -2-2-3-3-2- -1- - - - - -	3.40
08-37.8475-104.7717-2-15-	0-C28623-10/03/77- 8- 11- -C- - - - 5-1-1-3-1- -1- -2-4-3-3-1- -1- - - - - -	3.90
08-37.8614-104.7669-2-11-	0-C28624-10/03/77- 8- 12-11.2-C- - 7.1- 1700- 4-1-1-3-7-3-3-1-2-1-2-3-2- -1- - - - - -	3.20
08-37.8725-104.7857-2-11-	0-C28625-10/03/77- 9- 14-12.4- - - 5.4- 1450- 18-1-1-6-6-3-3-1-2-4-3-2-2- -1- - - - - -	3.30
08-37.8806-104.7583-2-11-	0-C28626-10/03/77- 8- 16- 8.8-C- - 7.6- 470- 162-1-1-6-1-2-2-2-3-4-3-3-1- -9- - - - - -	3.40
08-37.8819-104.7567-2-15-	0-C28627-10/03/77- 9- 14- - - - - - 16-1-1-5-6- -1- -2-4-3-2-2- -1- - - - - -	3.00
08-37.9931-104.7700-2-15-	0-C28628-10/03/77-10- 17- - - - - - 8-1-1-5-6- -1- -2-4-3-3-1- -9- - - - - -	3.20
08-37.9686-104.7600-2-15-	0-C28629-10/03/77-10- 16- - - - - - 69-1-1-3-1- -1- -2-1-3-3-1- -1- - - - - -	3.60
08-37.9503-104.7783-2-12-	0-C28630-10/03/77-10- 16-13.6- - - 7.6- 1300- 16-1-1-6-8-3-3-1-2-2-3-2-1- -1- - - - - -	5.40
08-37.9472-104.7750-2-15-	0-C28631-10/03/77-10- 15- - - - - - 162-1-1-3-1- -1- -2-4-3-3-2- -9- - - - - -	4.00
08-37.9314-104.7578-2-15-	0-C28632-10/03/77-10- 15- -C- - - - -1-1-5-1- -1- -2-4-3-3-2- -1- - - - - -	4.10
08-37.7372-104.8364-2-15-	0-C28633-10/02/77-17- 17- - - - - - 96-1-1-4-6- -1- -2-4-3-2-1- -1- - - - - -	4.10
08-37.7400-104.8351-2-11-	0-C28634-10/02/77-17- 16-13.0-C- - 7.8- 1790- 115-1-1-4-6-2-3-1-2-3-3-2-1- -1- - - - - -	3.30
08-37.6747-104.7667-2-15-	0-C28635-10/02/77-16- 17- - - - - - -1-1-4-1- -1- -2-3-3-2-1- -9- - - - - -	5.50
08-37.6883-104.7686-2-15-	0-C28636-10/02/77-15- 16- - - - - - 9-1-1-5-6- -1- -2-3-3-2-1- -9- - - - - -	3.20
08-37.6889-104.7964-2-15-	0-C28638-10/02/77-14- 15- - - - - - 10-1-1-4-6- -1- -2-3-3-2-1- -1- - - - - -	3.70
08-37.6792-104.8056-2-15-	0-C28639-10/02/77-14- 15- -C- - - - 92-1-1-4-1- -1- -2-3-3-2-1- -1- - - - - -	3.50

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REPLICATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING DNC UNITS IN PPM
08-37.7125-104.8361-2-15-	0-C28640-10/02/77-14- 15- -C- - - - 10-1-1-5-1- -1- -2-4-3-3-1- -1- - - - -	2.90
08-37.6875-104.8422-2-15-	0-C28642-10/02/77-13- 14- -C- - - - 12-1-1-4-6- -1- -2-4-3-3-1- -9- - - - -	3.40
08-37.6756-104.8453-2-15-	0-C28643-10/02/77-12- 14- - - - - - 11-1-1-4-1- -1- -2-4-3-2-1- -2- - - - -	3.00
08-37.6342-104.8597-2-11-	0-C28645-10/02/77-12- 14-14.0- - - 7.4- 1100- 9-1-1-3-6-2-3-1-2-1-2-3-1- -1- - - - -	3.80
08-37.5631-104.7700-2-15-	0-C28646-10/01/77-21- 12- - - - - - 81-1-2-4-6- -1- -2-1-3-3-1- -1- - - - -	4.40
08-37.5617-104.7669-2-15-	0-C28647-10/01/77-21- 11- - - - - - 6-1-2-4-1- -1- -2-1-3-3-1- -1- - - - -	5.30
08-37.5408-104.7711-2-11-	0-C28648-10/01/77-21- 9- 8.7- - - 7.1- 700- 104-1-1-4-6-2-3-1-2-1-3-3-1- -1- - - - -	4.90
08-37.5361-104.7736-2-15-	0-C28649-10/01/77-21- 9- - - - - - 81-1-2-4-1- -1- -2-1-3-3-1- -1- - - - -	3.90
08-37.5214-104.7836-2-99-	0-C28650-10/02/77- 7- 4- -C- - - - 13-1-1-4-1- -1- -2-4-2-3-1- -9- - - - -	3.60
08-37.5192-104.7859-2-15-	0-C28651-10/01/77-21- 9- - - - - - 115-1-2-4-6- -1- -2-1-3-3-1- -1- - - - -	4.60
08-37.5853-104.7628-2-15-	0-C28652-10/02/77- 7- 7- -C- - - - 16-1-1-5-1- -1- -2-1-3-3-1- -1- - - - -	3.60
08-37.5897-104.7956-2-15-	0-C28653-10/02/77- 8- 9- -C- - - - 9-1-4-4-1- -1- -2-2-2-3-1- -2- - - - -	4.20
08-37.5956-104.7851-2-15-	0-C28654-10/02/77- 9- 11- -C- - - - 12-1-2-4-1- -1- -2-3-3-2-1- -2- - - - -	3.20
08-37.5714-104.8214-2-15-	0-C28655-10/02/77- 8- 12- - - - - - 127-1-2-4-1- -1- -2-1-2-3-1- -1- - - - -	5.40
08-37.5303-104.8425-2-15-	0-C28657-10/02/77- 9- 15- - - - - - 9-1-1-4-1- -1- -2-2-3-2-1- -1- - - - -	6.20
08-37.6219-104.8525-2-15-	0-C28660-10/02/77-11- 17- -C- - - - 10-1-1-4-6- -1- -2-1-3-3-1- -1- - - - -	3.70
08-37.6503-104.7919-2-15-	0-C28661-10/02/77-11- 13- -C- - - - 104-1-1-4-1- -1- -2-3-3-2-1- -2- - - - -	3.20
08-37.4722-104.7391-2-15-	0-C28662-10/01/77-19- 16- - - - - - 127-1-6-4-6- -1- -2-1-3-3-1- -1- - - - -	4.20
08-37.4725-104.7325-2-99-	0-C28663-10/01/77-19- 15- - - - - - 13-1-6-6-6- -1- -2-1-3-3-1- -1- - - - -	3.50
08-37.4836-104.7154-2-15-	0-C28664-10/01/77-19- 16- - - - - - 173-1-6-4-6- -1- -2-1-3-3-1- -1- - - - -	4.60
08-37.4656-104.7057-2-15-	0-C28665-10/01/77-20- 14- -C- - - - 11-1-2-4-6- -1- -2-1-3-3-1- -1- - - - -	4.10
08-37.4497-104.4372-2-15-	0-C28666-10/01/77-13- 22- -C- - - - 11-1-1-5-1- -1- -1-4-4-1-1- -1- - - - -	4.00
08-37.4311-104.4257-2-15-	0-C28667-10/01/77-13- 22- -C- - - - 115-1-1-4-1- -1- -2-3-2-3-1- -1- - - - -	3.00
08-37.4867-104.6408-2-15-	0-C28672-10/01/77-15- 22- -C- - - - 10-1-6-5-6- -1- -2-4-3-2-1- -1- - - - -	3.70
08-37.4669-104.6686-2-15-	0-C28673-10/01/77-15- - - - - - - 46-1-2-3-6- -1- -2-4-3-3-1- -1- - - - -	4.60
08-37.3992-104.6447-2-12-	0-C28674-10/01/77-16- 20-16.8- - - 7.9- 825- 8-1-1-4-6-3-2-1-2-2-2-2-1- -9- - - - -	4.20
08-37.3794-104.6814-2-15-	0-C28675-10/01/77-17- 20- -C- - - - 9-1-1-4-6- -1- -2-4-2-4-1- -9- - - - -	4.00
08-37.4106-104.6742-2-15-	0-C28676-10/01/77-17- 20- - - - - - 92-1-1-3-1- -1- -2-4-3-3-1- -1- - - - -	3.10
08-37.4094-104.6959-2-15-	0-C28677-10/01/77-17- 20- - - - - - 8-1-2-3-1- -1- -2-1-3-4-1- -1- - - - -	3.50
08-37.4050-104.7100-2-11-	0-C28678-10/01/77-18- 19-12.8- - - 7.0- 450- 139-1-6-5-6-2-3-1-2-1-2-3-1- -1- - - - -	5.00
08-37.4067-104.7050-2-15-	0-C28679-10/01/77-18- 22- -C- - - - 10-1-1-4-1- -1- -2-1-4-3-1- -1- - - - -	4.60
08-37.4011-104.6650-2-15-	0-C28680-10/01/77-18- 19- -C- - - - 150-1-2-3-6- -1- -2-1-2-3-1- -1- - - - -	3.80
08-37.2658-105.7728-2-12-	0-C28681-03/04/75-11- -3- 1.5-C- - 8.2- 700- 8-1-6-6-6-1-2-2-3-3-2-2-5- -1- - - - -	3.60
08-37.2547-105.8258-2-13-	0-C28683-03/04/75-15- -1- 3.1-C- - 9.2- 270- 8-4-9-5-6-1-2-3-3-3-2-1-2- -3- - - - -	3.00
08-37.2736-105.5717-2-15-	0-C28684-03/05/75-11- -5- - - - - - 11-3-8-4-6- - - - -3-2-3-1- -1- - - - -	2.80
08-37.2706-105.5717-2-15-	0-C28685-03/05/75-11- -5- - - - - - 14-3-9-4-6- - - - -3-2-3-1- -1- - - - -	3.10
08-37.2922-105.5809-2-15-	0-C28686-03/05/75-13- - - - - - - 11-4- -4-6- - - - -4-2-2-1- -1- - - - -	3.30
08-37.3064-105.5967-2-97-	0-C28687-03/05/75-13- - - - - - - 14-9- -5-6- - - - -3-2-3-1- -1- - - - -	3.00
08-37.3158-105.6097-2-15-	0-C28688-03/05/75-13- -3- - - - - - 7-4- -3-6- - - - -3-2-3-1- -1- - - - -	3.30
08-37.3675-105.5558-2-97-	0-C28689-03/05/75-14- 2- - - - - - 7-4- -4-6- - - - -3-2-2-1- -1- - - - -	2.40
08-37.3144-105.5493-2-15-	0-C28690-03/05/75-14- -2- - - - - - 12-4- -4-6- - - - -3-2-2-1- -1- - - - -	3.40
08-37.2878-105.5017-2-15-	0-C28691-03/05/75-15- 1- - - - - - 15-1- -3-6- - - - -3-2-2-2- -1- - - - -	3.60
08-37.2764-105.5231-2-15-	0-C28692-03/05/75-15- 1- - - - - - 10-1- -4-6- - - - -3-2-2-2- -3- - - - -	3.30
08-37.2556-105.5159-2-15-	0-C28693-03/05/75-15- 1- - - - - - 17-4- -3-6- -1- - -3-2-1-2- -1- - - - -	3.50
08-37.3703-105.7922-2-12-	0-C28701-03/06/75-14- 6- 3.2- - - 7.0- 575- 5-4- -5-6-3-2-3-1-4-3-1-1- -3- - - - -	3.20
08-37.2947-105.7947-2-13-	0-C28706-03/07/75-16- 3-14.8-C- - 8.5- 219- 10-4- -6-6-2-2-1-3-4-3-1-2- -3- - - - -	2.00
08-37.2672-105.7954-2-15-	0-C28707-03/07/75-17- 7- - - - - - 14-3-6-5-1- - - - -3-2-1-2- -1- - - - -	2.40
08-37.2414-105.5647-2-15-	0-C28711-03/08/75-12- 2- -C- - - - 11-4- -4-6- - - - -3-2-1-1- -1- - - - -	4.20
08-37.2453-105.5317-2-15-	0-C28712-03/08/75-13- 5- -C- - - - 11-4- -4-6- - - - -3-2-1-1- -1- - - - -	4.30
08-37.2472-105.5314-2-15-	0-C28713-03/08/75-13- 6- -C- - - - 10-4- -4-6- - - - -3-2-1-1- -1- - - - -	3.60
08-37.2447-105.5133-2-15-	0-C28714-03/08/75-14- 3- -C- - - - 10-4- -4-6- - - - -3-2-1-1- -1- - - - -	3.80

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (State-Latitude-Longitude-DOE Lab-Sample Type-Replicate)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA (LASL Sample Location Number-Date-Hour-Air Temperature-Water Temperature-Comments-Special Measurements-pH-Specific Conductance-Scintillometer-...-Water Depth)	U CONCENTRATION: SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
08-37.2439-105.5036-2-15-	0-C28715-03/08/75-14- 3- -C- - - - 12-4- -4-6- - - - -3-2-1-1- -1- - - - -	3.80
08-37.2122-105.6108-2-15-	0-C28716-03/08/75-14- 11- -C- - - - 8-4- -4-6- - - - -3-2-1-1- -1- - - - -	4.40
08-37.2019-105.5747-2-15-	0-C28717-03/08/75-15- 9- -C- - - - 11-4- -4-6- - - - -3-2-1-1- -1- - - - -	4.00
08-37.1781-105.5111-2-15-	0-C28719-03/08/75-16- 6- -C- - - - 14-4- -4-6- - - - -3-3-2-1- -1- - - - -	3.30
08-37.1264-105.5428-2-15-	0-C28720-03/08/75-16- 7- -C- - - - 11-4- -4-6- - - - -3-2-2-1- -1- - - - -	3.10
08-37.1261-105.5400-2-15-	0-C28721-03/08/75-16- 7- -C- - - - 9-4- -4-6- - - - -3-3-2-1- -1- - - - -	3.20
08-37.1344-105.5975-2-15-	0-C28723-03/08/75-17- 7- - - - - - 12-4- -4-6- - - - -4-2-2-1- -7- - - - -	3.10
08-37.1946-105.8686-2-15-	0-C28724-03/09/75-13- 9- - - - - - 12-3-9-4-6- -1- - -3-2-1-2- -1- - - - -	2.20
08-37.2328-105.7525-2-15-	0-C28725-03/09/75-15- 14- - - - - - 10-3-8-4-6- -1- - -3-2-2-2- -9- - - - -	2.10
08-37.2419-105.7519-2-12-	0-C28726-03/09/75-15- 12- - - - - - 5-3-9-6-6-1-2- - -4-3-1-2- -3- - - - -	3.40
08-37.2433-105.8142-2-15-	0-C28727-03/09/75-16- 12- -C- - - - 13-3-6-5-1- -1- - -3-2-1-1- -3- - - - -	2.60
08-37.2381-105.8481-2-15-	0-C28728-03/09/75-15- 12- -C- - - - 5-3-8-3-6- -1- - -3-2-2-1- -7- - - - -	2.00
08-37.2131-105.8597-2-15-	0-C28729-03/09/75-16- 10- -C- - - - 10-3-9-3-6- -1- -2-3-2-2-1- -1- - - - -	1.90
08-37.1714-105.8639-2-15-	0-C28730-03/09/75-17- 9- -C- - - - 7-4- -4-6- -1- - -3-2-2-1- -9- - - - -	2.20
08-37.1708-105.8653-2-15-	0-C28731-03/09/75-17- 9- -C- - - - 8-4- -3-6- -1- - -3-2-2-1- -9- - - - -	2.30
08-37.1750-105.8394-2-15-	0-C28732-03/09/75-17- 9- -C- - - - 10-3-8-4-6- -1- - -3-2-1-1- -9- - - - -	2.20
08-37.1589-105.8092-2-11-	0-C28733-03/09/75-17- 1- 0.1-C- - 7.2- 300- 12-2-7-3-6-2-2-1-2-2-2-5-1- -9- - - - -	3.50
08-37.1647-105.7661-2-15-	0-C28734-03/09/75-19- - -C- - - - 15-3-7-3-6- -1- -2-3-2-6-1- -1- - - - -	2.70
08-37.1658-105.7661-2-15-	0-C28735-03/09/75-19- - -C- - - - 12-3-7-3-6- -1- -2-3-2-6-1- -1- - - - -	2.10
08-37.1217-105.3231-2-15-	0-C28736-03/10/75- 9- 5- - - - - - 8-4- -2-1- -1- -2-3-2-4-1- -1- - - - -	2.00
08-37.1192-105.3186-2-12-	0-C28737-03/10/75- 9- 2- 0.1-C- - 7.6- 92- 10-4- -3-6-3-3-1-2-4-3-4-1- -9- - - - -	11.20
08-37.1186-105.3186-2-12-	0-C28738-03/10/75-10- 2- 0.1-C- - 7.5- 78- 15-4- -5-6-3-3-1-2-2-3-6-1- -9- - - - -	7.00
08-37.0847-105.3157-2-12-	0-C28739-03/10/75-12- 5- 0.1- - - 8.4- 75- 9-4- -2-6-3-2-1-2-2-3-4-1- -1- - - - -	12.80
08-37.0833-105.3181-2-12-	0-C28740-03/10/75-13- 5- 0.1- - - 7.8- 70- 11-2-1-2-6-3-2-1-2-2-3-4-1- -1- - - - -	10.10
08-37.0386-105.9292-2-15-	0-C28742-03/10/75-17- 6- - - - - - 31-4- -4-6- -1- - -3-2-1-3- -3- - - - -	2.80
08-37.0378-105.9286-2-15-	0-C28743-03/10/75-17- 6- - - - - - 28-4- -4-6- -1- - -3-2-1-3- -3- - - - -	2.80
08-37.0183-105.8806-2-97-	0-C28744-03/10/75-18- 5- - - - - - 5-3-9-4-6- -1- - -3-2-1-3- -3- - - - -	2.30
08-37.0300-105.8022-2-15-	0-C28745-03/10/75-19- 5- -C- - - - 8-3-6-2- - -1- - -3-2-2-3- -1- - - - -	2.60
08-37.1119-105.8031-2-15-	0-C28748-03/11/75-16- 4- -C- - - - 11-3-9-4-6- -1- - -3-2-1-2- -3- - - - -	2.40
08-37.1025-105.8842-2-15-	0-C28749-03/11/75-16- 4- -C- - - - 11-3-9-5-6- - - -3-2-1-2- -3- - - - -	2.80
08-37.0286-105.9764-2-97-	0-C28750-03/11/75-17- 3- - - - - - 12-3-9-5-6- -1- - -4-2-2-2- -3- - - - -	2.60
08-37.0986-105.6239-2-15-	0-C28751-03/11/75- 8- -7- - - - - - 12-4- -4-6- -1- - -3-2-2-1- -3- - - - -	3.50
08-37.0972-105.6125-2-15-	0-C28752-03/11/75- 8- -5- - - - - - 12-4- -4-6- -1- - -3-2-2-1- -3- - - - -	2.90
08-37.0997-105.5917-2-15-	0-C28754-03/11/75- 9- -6- -C- - - - 5-4- -4-6- -1- - -3-2-2-1- -9- - - - -	3.50
08-37.0969-105.5736-2-15-	0-C28755-03/11/75- 9- -5- - - - - - 9-4- -4-6- -1- - -3-2-2-1- -3- - - - -	3.80
08-37.0992-105.5483-2-12-	0-C28756-03/11/75- 9- -4- - - - 8.2- 258- 12-4- -3-6-3-2-1-2-3-2-2-1- -3- - - - -	5.10
08-37.1236-105.5194-2-15-	0-C28757-03/11/75-10- -3- - - - - - 11-4- -4-6- -1- - -3-2-2-1- -1- - - - -	2.80
08-37.1006-105.4972-2-15-	0-C28758-03/11/75-10- -5- - - - - - 11-4- -4-6- -1- - -3-2-1-1- -3- - - - -	3.10
08-37.0797-105.5375-2-15-	0-C28759-03/11/75-10- -1- - - - - - 14-4- -4-6- -1- - -3-2-2-1- -1- - - - -	3.50
08-37.0753-105.5357-2-15-	0-C28760-03/11/75-10- -2- - - - - - 11-4- -5-6- -1- - -3-2-2-1- -1- - - - -	3.00
08-37.0689-105.5431-2-15-	0-C28761-03/11/75-10- -2- - - - - - 11-4- -5-6- -1- - -3-2-2-1- -1- - - - -	6.40
08-37.0644-105.5633-2-15-	0-C28762-03/11/75-11- -2- - - - - - 14-4- -5-6- -1- - -3-2-2-1- -3- - - - -	4.00
08-37.0644-105.6022-2-15-	0-C28763-03/11/75-11- 1- - - - - - 12-4- -5-6- -1- - -3-2-2-1- -1- - - - -	4.40
08-37.0033-105.6006-2-15-	0-C28766-03/11/75-12- 1- - - - - - 15-4- -5-6- -1- - -3-2-1-1- -3- - - - -	5.70
08-37.0636-105.4975-2-15-	0-C28768-03/11/75-14- 1- - - - - - 8-2-7-5-6- -1- -2-1-3-5-2- -1- - - - -	3.20
08-37.0675-105.4957-2-15-	0-C28769-03/11/75-14- 1- - - - - - 2-3-7-2-7- -1- -2-1-3-5-2- -1- - - - -	3.10
08-37.0272-105.3979-2-15-	0-C28770-03/11/75-16- -1- - - - - - 15-4- -5-6- -1- - -4-3-1-2- -3- - - - -	10.10
08-37.0008-105.4153-2-15-	0-C28771-03/11/75-15- -1- - - - - - 12-4- -5-6- -1- - -3-2-1-2- -3- - - - -	25.20
08-37.0006-105.4354-2-15-	0-C28772-03/11/75-15- -1- - - - - - 15-4- -5-6- -1- - -3-2-2-2- -1- - - - -	5.60
08-37.0156-105.4308-2-15-	0-C28773-03/11/75-17- - - - - - - 12-4- -5-6- -1- - -4-3-2-2- -3- - - - -	5.20
08-37.0008-105.4606-2-15-	0-C28774-03/11/75-17- -1- - - - - - 10-4- -5-6- -1- - -3-2-2-2- -1- - - - -	3.40

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
08-37.2608-105.7297-2-15-	0-C28775-03/04/75-11- -6- -C- - - - 17-3-6-4-6- -1- -1-3-2-4-5- -1- - - - -	2.70
08-37.2769-105.7117-2-15-	0-C28776-03/04/75-13- -2- -C- - - - 12-3-6-4-6- -1- -1-3-2-4-3- -1- - - - -	2.70
08-37.3633-105.7208-2-13-	0-C28781-03/05/75-15- 6-12.0-C- - 7.8- 198- 15-6- -6-6-1-2-5- -5-2-1-1- -3- - - - -	3.10
08-37.2900-105.6994-2-15-	0-C28782-03/05/75-15- 6- -C- - - - 10-4- -4-6- -1- -2-3-2-3-2- -3- - - - -	2.90
08-37.2767-105.6472-2-15-	0-C28783-03/05/75-16- - -C- - - - 15-1-6-4-6- -1- -3-3-2-4-3- -3- - - - -	2.90
08-37.2628-105.6700-2-15-	0-C28784-03/05/75-15- -2- -C- - - - 12-4- -4-6- -1- -3-3-2-4-3- -3- - - - -	2.70
08-37.3736-105.6356-2-12-	0-C28787-03/06/75-14- 11- 4.5-C- - 8.6- 329- 4-6- -6-4-2-3-2-2-6-4-3-1- -3- - - - -	2.90
08-37.1997-105.7391-2-15-	0-C28788-03/08/75-11- -2- -C- - - - 17-3-6-3-6- -1- -1-3-2-5-1- -3- - - - -	4.00
08-37.1742-105.7342-2-15-	0-C28789-03/08/75-12- 5- -C- - - - 10-1-6-2-6- -1- -1-3-2-3-1- -3- - - - -	2.60
08-37.2083-105.6472-2-15-	0-C28790-03/08/75-13- 9- -C- - - - 10-4- -4-6- -1- -4-4-1-1-1- -3- - - - -	2.60
08-37.2167-105.6556-2-15-	0-C28791-03/08/75-13- 12- -C- - - - 10-4- -4-6- -1- -4-4-1-1-1- -3- - - - -	3.50
08-37.2361-105.6286-2-15-	0-C28792-03/08/75-14- 5- -C- - - - 4-1-6-2-6- -1- -1-3-2-5-1- -4- - - - -	2.80
08-37.1997-105.6775-2-15-	0-C28793-03/08/75-14- 7- -C- - - - 12-1-6-4-6- -1- -1-3-2-2-1- -3- - - - -	2.90
08-37.1861-105.6719-2-15-	0-C28794-03/08/75-15- 5- -C- - - - 7-1-6-4-6- - - -1-3-2-3-1- -3- - - - -	2.90
08-37.1836-105.6808-2-15-	0-C28795-03/08/75-15- 2- -C- - - - 12-1-6-3-6- -1- -1-3-2-2-1- -1- - - - -	5.20
08-37.1794-105.7147-2-15-	0-C28796-03/08/75-15- 10- -C- - - - 7-1-6-4-6- -1- -1-3-2-2-1- -3- - - - -	4.50
08-37.1792-105.7259-2-15-	0-C28797-03/08/75-15- 9- -C- - - - 17-3-6-3-6- -1- -1-3-2-3-1- -3- - - - -	4.40
08-37.1831-105.7322-2-15-	0-C28798-03/08/75-16- 8- -C- - - - 12-3-6-4-6- -1- -1-3-2-3-1- -3- - - - -	3.80
08-37.2400-105.7359-2-15-	0-C28799-03/08/75-16- 9- -C- - - - 12-1-6-3-6- -1- -1-3-2-2-1- -3- - - - -	2.60
08-37.1417-105.7475-2-15-	0-C28800-03/09/75- 9- -2- -C- - - - 12-1-6-4-6- -1- -1-3-3-2-1- -3- - - - -	2.40
08-37.1372-105.7492-2-15-	0-C28801-03/09/75- 9- -1- -C- - - - 10-1-6-3-6- -1- -1-3-2-3-1- -3- - - - -	3.10
08-37.1433-105.7472-2-15-	0-C28802-03/09/75- 9- 2- -C- - - - 12-1-6-2-6- -1- -1-3-2-3-1- -3- - - - -	2.60
08-37.1050-105.7456-2-15-	0-C28803-03/09/75-10- 5- -C- - - - 15-1-6-3-6- -1- -1-3-2-3-1- -3- - - - -	3.10
08-37.0275-105.7483-2-15-	0-C28805-03/09/75-11- 8- - - - - - 18-1-6-3-6- -1- -1-3-2-4-1- -1- - - - -	3.00
08-37.0283-105.7267-2-97-	0-C28806-03/09/75-12- 7- -C- - - - 6-1-9-4-6- -1- -3-3-2-2-1- -3- - - - -	3.00
08-37.0031-105.7131-2-15-	0-C28807-03/09/75-13- 9- -C- - - - 13-4- -5-6- -1- - -4-3-2-1- -3- - - - -	2.80
08-37.0264-105.6972-2-15-	0-C28808-03/09/75-13- 11- -C- - - - 14-4- -5-6- -1- -3-3-2-2-1- -3- - - - -	2.60
08-37.0297-105.6750-2-15-	0-C28809-03/09/75-13- 11- -C- - - - 14-4- -4-6- -1- -1-3-2-3-1- -3- - - - -	3.50
08-37.0006-105.6539-2-15-	0-C28810-03/09/75-14- 9- -C- - - - 14-4- -3-6- -1- -1-3-2-2-1- -3- - - - -	6.30
08-37.0447-105.6647-2-15-	0-C28811-03/09/75-14- 10- -C- - - - 10-4- -4-6- -1- -1-3-2-1-1- -3- - - - -	4.60
08-37.0500-105.6293-2-15-	0-C28812-03/09/75-15- 11- -C- - - - 15-4- -4-6- -1- -3-3-2-3-1- -3- - - - -	6.60
08-37.0692-105.6542-2-15-	0-C28813-03/09/75-15- 9- -C- - - - 15-4- -4-6- -1- -1-3-2-3-1- -3- - - - -	5.90
08-37.0711-105.6514-2-15-	0-C28814-03/09/75-15- 9- -C- - - - 10-4- -4-6- -1- -1-4-2-3-1- -3- - - - -	3.40
08-37.0792-105.6754-2-15-	0-C28815-03/09/75-15- 9- -C- - - - 12-4- -4-6- -1- -1-4-2-3-1- -3- - - - -	3.60
08-37.0781-105.6831-2-15-	0-C28816-03/09/75-16- 9- -C- - - - 10-4- -4-6- -1- -1-3-2-3-1- -3- - - - -	3.50
08-37.1092-105.7178-2-97-	0-C28817-03/09/75-16- 8- -C- - - - 15-4- -4-6- -1- -1-3-2-3-1- -3- - - - -	2.90
08-37.1011-105.7394-2-15-	0-C28818-03/09/75-16- 11- -C- - - - 15-4- -4-6- -1- - -4-2-2-1- -3- - - - -	2.80
08-37.1181-105.6439-2-15-	0-C28819-03/09/75-17- - -C- - - - 14-6- -3-6- -1- -1-3-2-2-1- -3- - - - -	3.00
08-37.1394-105.6497-2-97-	0-C28820-03/09/75-17- 10- - - - - - 17-3-9-4-6- -1- -1-3-2-3-1- -3- - - - -	3.00
08-37.1419-105.6303-2-15-	0-C28821-03/10/75- 9- 3- -C- - - - 12-4- -4-6- -1- - -4-2-3-1- -1- - - - -	3.90
08-37.1564-105.6259-2-15-	0-C28822-03/10/75- 9- 4- -C- - - - 12-4- -4-6- -1- -1-4-2-2-1- -3- - - - -	3.10
08-37.1456-105.3661-2-15-	0-C28823-03/10/75-11- 5- -C- - - - 14-4-4-4-6- -1- -1-3-2-2-1- -3- - - - -	3.10
08-37.1267-105.3599-2-15-	0-C28824-03/10/75-11- 5- -C- - - - 15-4- -4-6- -1- -2-3-2-3-1- -3- - - - -	10.00
08-37.1806-105.3328-2-15-	0-C28825-03/10/75-12- 14- -C- - - - 15-4- -4-6- -1- -3-2-5-3-1- -3- - - - -	5.70
08-37.1808-105.3211-2-12-	0-C28826-03/10/75-13- 7- 4.2-C- - 7.7- 121- 12-4- -4-6- -1- -3-3-3-4-1- -3- - - - -	2.30
08-37.1836-105.3131-2-12-	0-C28827-03/10/75-14- 9- 3.3-C- - 8.5- 139- 18-1-6-1-9-3-2-2-2-2-2-6-1- -9- - - - -	5.90
08-37.2122-105.2796-2-12-	0-C28828-03/10/75-15- 6- 1.6-C- - 7.7- 70- 15-1-6-1-9-3-2-2-2-7-3-3-1- -3- - - - -	5.00
08-37.2250-105.2775-2-12-	0-C28829-03/10/75-16- 6- -C- - 8.4- 29- 15-3-7-2-6-2-2-1-2-7-4-5-2- -1- - - - -	8.60
08-37.4608-105.0319-2-15-	0-C28831-04/09/75-13- 16- - - - - - 9-1-6-1-6-2-2-2-2-6-3-5-2- -1- - - - -	3.30
08-37.4581-105.0306-2-12-	0-C28832-04/09/75-13- 13-12.0-C- - 9.2- 239- 7-3-6-4-6- -1- -2-2-3-4-2- -4- - - - -	3.40
08-37.4200-105.0519-2-12-	0-C28833-04/09/75-13- 15- 9.0- - - 9.3- 215- 9-3-6-4-6-4-3-2-2-2-3-4-2- -3- - - - -	3.90

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

State	Latitude	Longitude	DOE Lab	Sample Type	Replicate	LASL Sample Location Number	Date	Hour	Air Temperature	Water Temperature	Comments	Special Measurements	pH	Specific Conductance	Scintillometer	Field data codes (rock type – water depth)	U ppm (DNC)
08	37.4089	105.0678	2	12	0	C28834	04/09/76	14	12	8.4	-	-	8.3	218	-	7-3-6-1-6-4-4-2-2-2-3-4-2- -3-	4.10
08	37.3075	105.9511	2	97	0	C28847	03/08/76	12	4		C	-	-	-	-	1-1-8-7-6- -1- - -3-3-2-2- -3-	2.70
08	37.1500	105.9075	2	15	0	C28854	03/09/76	10	10		C	-	-	-	-	7-1-6-4-6- - - -1-4-3-3-1- -3-	1.90
08	37.1508	105.9489	2	12	0	C28855	03/09/76	11	2	4.5	C	-	5.7	149	-	7- - -3- -2-2-1-3-4-3-1-1- -3-	1.60
08	37.1628	105.8900	2	15	0	C28862	03/09/76	16	10		C	-	-	-	-	7-1-6-6-6- - - -1-4-3-2-2- -3-	2.30
08	37.2428	105.8783	2	12	0	C28863	03/10/76	10	5	2.1	C	-	7.3	171	-	12-1-6-4-6-3-3-1-1-2-3-1-1- -3-	1.90
08	37.3517	105.4058	2	97	0	C28864	03/10/76	13	10		C	-	-	-	-	10-1-6-4-6- - - - -4-2-1-1- -1-	2.40
08	37.3628	105.4711	2	97	0	C28865	03/10/76	13	16		-	-	-	-	-	7-1-7-4-7- - - - -4-3-3-1- -1-	4.20
08	37.3658	105.4767	2	15	0	C28866	03/10/76	14	11		C	-	-	-	-	10-1-6-4-6- - - -1-3-3-3-1- -3-	2.80
08	37.0906	105.7519	2	15	0	C28867	03/10/76	15	12		C	-	-	-	-	12-1-7-4-1- -1- -1-3-2-2-2- -1-	2.60
08	37.0800	105.7631	2	15	0	C28868	03/10/76	15	14		C	-	-	-	-	15-1-8-4-1- -1- -1-3-2-2-2- -3-	2.70
08	37.0908	105.8019	2	14	0	C28869	03/10/76	16	8	13.5	C	-	8.5	100	-	13-1-9-6-6-1-2-3- -3-2-3-2- -3-	2.40
08	37.1147	105.8250	2	15	0	C28870	03/10/76	15	12		C	-	-	-	-	9-1-8-4-6- - - -2-3-3-5-5- -3-	2.10
08	37.0867	105.8667	2	15	0	C28871	03/10/76	16	9		C	-	-	-	-	14-1-9-4-6- - - -1-4-2-3-3- -3-	3.20
08	37.0711	105.8681	2	15	0	C28872	03/10/76	17	10		C	-	-	-	-	12-1-9-3-6- - - -1-3-2-6-3- -1-	2.30
08	37.0444	105.8008	2	15	0	C28873	03/11/76	14	5		C	-	-	-	-	7-1-9-4-6- - - -3-3-2-4-2- -3-	2.60
08	37.0222	105.7672	2	15	0	C28874	03/11/76	15	5		C	-	-	-	-	14-1-8-4-6- - - -3-3-2-2-2- -3-	2.90
08	37.0339	105.8086	2	15	0	C28875	03/11/76	15	7		C	-	-	-	-	19-1-9-4-6- - - -3-4-2-4-2- -3-	2.40
08	37.0083	105.8061	2	15	0	C28876	03/11/76	16	4		C	-	-	-	-	6-1-9-4-6- - - -3-3-2-4-2- -3-	2.40
08	37.0089	105.8300	2	97	0	C28877	03/11/76	16	4		C	-	-	-	-	7-1-9-4-6- - - - -4-2-2-2- -3-	2.40
08	37.2900	105.4231	2	97	0	C28878	03/12/76	10	-3		C	-	-	-	-	15-4-9-4-6- - - -1-3-3-2-1- -9-	3.50
08	37.2794	105.4236	2	15	0	C28879	03/12/76	10	-4		C	-	-	-	-	9-4-9-4-6- - - -1-3-3-2-1- -9-	2.50
08	37.2142	105.4233	2	97	0	C28880	03/12/76	10	1		C	-	-	-	-	15-1-6-5-6- - - - -2-3-3-1- -3-	5.20
08	37.2183	105.4154	2	15	0	C28881	03/12/76	10	2		C	-	-	-	-	9-1-6-4-6- - - -2-3-3-3-1- -3-	4.90
08	37.2017	105.4139	2	15	0	C28882	03/12/76	11	2		C	-	-	-	-	9-1-6-4-6- - - -4-3-2-2-1- -3-	12.60
08	37.1986	105.4028	2	15	0	C28883	03/12/76	11	2		C	-	-	-	-	13-1-7-4-6- - - -4-4-2-3-1- -3-	6.40
08	37.1967	105.4022	2	15	0	C28884	03/12/76	11	3		C	-	-	-	-	12-1-1-4-6- - - -2-3-2-3-1- -1-	4.30
08	37.1597	105.3831	2	12	0	C28885	03/12/76	12	-2	1.0	C	-	9.2	210	-	17-1-1-3-1-3-3-1-3-3-2-3-1- -9-	5.70
08	37.1839	105.4253	2	12	0	C28886	03/12/76	12	2	1.5	C	-	8.7	220	-	10-1-8-4-6-3-3-2-3-4-3-4-1- -3-	5.30
08	37.1917	105.4519	2	15	0	C28887	03/12/76	13	8		C	-	-	-	-	15-1-1-4-6- - - -2-3-3-4-2- -3-	2.90
08	37.1483	105.4947	2	15	0	C28888	03/12/76	14	7		C	-	-	-	-	17-1-6-4-6- - - -2-3-3-6-2- -3-	5.10
08	37.1408	105.4986	2	15	0	C28889	03/12/76	14	6		C	-	-	-	-	12-1-6-4-6- -1- -2-3-3-4-2- -3-	3.10
08	37.2422	105.4919	2	15	0	C28890	03/12/76	15	8		C	-	-	-	-	14-4-9-4-6- -1- -3-3-3-2-1- -3-	4.00
08	37.2411	105.4858	2	15	0	C28891	03/12/76	15	8		C	-	-	-	-	14-4-9-4-6- -1- -3-3-3-2-1- -3-	3.50
08	37.2422	105.4839	2	15	0	C28892	03/12/76	15	9		C	-	-	-	-	14-4-9-4-6- -1- -3-3-3-2-1- -3-	3.60
08	37.4006	105.0811	2	12	0	C28896	04/09/76	15	11	8.5	-	-	7.8	212	-	10-3-6-4-6-3-3-1-2-1-3-6-2- -1-	4.00
08	37.4233	105.8744	2	12	0	C28897	03/17/76	9	6	2.5	C	-	5.7	500	-	7-1-9-5-6-3-3-6-1-4-3-1-1- -3-	2.90
08	37.4108	105.8175	2	13	0	C28902	03/17/76	11	5	7.5	C	-	7.4	1800	-	14-1-7-4-6-1-3-6- -6-3-1-2- -3-	3.40
08	37.4956	105.8591	2	97	0	C28906	03/17/76	13	15		-	-	-	-	-	14-1-9-4-6- - - - -6-3-1-2- -3-	6.50
08	37.4439	105.7753	2	11	0	C28910	03/17/76	14	13	18.8	C	-	9.0	600	-	9-1-7-6-7-2-2-2- -4-3-1-2- -3-	3.90
08	37.4928	105.7367	2	13	0	C28914	03/17/76	16	13	15.5	C	-	10.5	700	-	15-1-9-6-6-1-2-2- -4-2-2-2- -3-	3.20
08	37.4522	105.6551	2	97	0	C28917	03/18/76	11	11		C	-	-	-	-	7-1-9-4-6- - - - -3-2-2-1- -1-	1.90
08	37.4203	105.6703	2	15	0	C28918	03/18/76	13	16		C	-	-	-	-	9-1-1-4-7- - - - -3-2-1-1- -1-	2.10
08	37.4336	105.6844	2	15	0	C28919	03/18/76	13	17		C	-	-	-	-	7-1-1-4-6- - - - -3-2-1-1- -1-	2.60
08	37.2919	105.4325	2	15	0	C28920	03/22/76	15	13		C	-	-	-	-	15-1-6-4-6- - - - -3-3-2-1- -1-	3.40
08	37.3906	105.5422	2	97	0	C28922	03/29/76	12	3		-	-	-	-	-	12-1-7-4-7- - - -1-3-2-3-3- -1-	4.00
08	37.4175	105.5994	2	97	0	C28923	03/29/76	13	4		-	-	-	-	-	12-1-6-2-6- - - -2-3-1-3-3- -1-	3.10
08	37.3947	105.6106	2	97	0	C28924	03/29/76	13	5		-	-	-	-	-	12-4-3-4-6-1-1- - -3-2-1-3- - -	3.60
08	37.3758	105.9172	2	13	0	C28928	03/16/76	11	5	4.9	C	-	8.2	799	-	11-4- -4-6- -2-2- -3-3-1-1- -9-	3.50
08	37.4578	105.9151	2	12	0	C28933	03/16/76	17	9	11.5	C	-	8.3	599	-	9-4- -5-6-3-3-3-1-3-2-1-1- -9-	3.00
08	37.4972	105.9691	2	14	0	C28943	03/17/76	17	5	10.5	C	-	8.9	170	-	17-4- -4-6- -3-2- -4-2-1-2- -9-	3.00

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REP. DATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING DNC UNITS IN ppm
08-37.7069-105.3492-2-12-	0-C28944-04/10/76-13-10-15.2- - - 8.2- 120- 12-3-1-3-4-2-2-1-2-1-3-4-1- -1- - - - -	3.70
08-37.3517-105.3400-2-12-	0-C28945-03/24/76-11-10- 3.1- - - 7.7- 221- 9-4- -4-6-2-2-2-2-3-3-4-1- -1- - - - -	2.70
08-37.3339-105.3431-2-15-	0-C28946-03/24/76-13-14- -C- - - - 14-4- -4-6- -1- -2-3-2-4-1- -1- - - - -	2.90
08-37.3253-105.3094-2-12-	0-C28947-03/24/76-14-10- 9.1-C- - 7.7- 132- 6-4- -3-4-2-2-1-2-7-3-5-1- -1- - - - -	7.90
08-37.3019-105.3506-2-15-	0-C28948-03/24/76-15-13- - - - - - 10-4- -4-6- -1- -2-3-2-4-1- -1- - - - -	3.40
08-37.1264-105.2656-2-12-	0-C28949-03/04/76-15-4- 0.9-C- - 7.1- 52- 33-2-0-4-7-4-3-1-2-2-3-4-1- -1- - - - -	29.80
08-37.5644-105.6000-2-97-	0-C28960-03/22/76-10-5- -C- - - - 10-1-0-4-6- - - - -3-1-2-1- -1- - - - -	2.90
08-37.5628-105.7075-2-97-	0-C28961-03/22/76-10-5- -C- - - - 14-1-0-4-6- - - - -3-2-2-1- -1- - - - -	2.70
08-37.5397-105.7193-2-97-	0-C28963-03/22/76-11-10- -C- - - - 12-1-0-4-6- - - - -3-3-2-1- -1- - - - -	3.00
08-37.6631-105.6036-2-15-	0-C28968-03/25/76-11-17- -C- - - - 10-1-7-4-7- - - -1-3-2-1-2- -3- - - - -	3.40
08-37.3758-105.6557-2-15-	0-C28990-03/19/76-14-16- -C- - - - 14-1-7-4-7- -1- -2-3-2-4-2- -3- - - - -	3.00
08-37.3917-105.6625-2-15-	0-C28991-03/19/76-14-17- -C- - - - 12-1-4-4-6- - - -2-3-2-4-2- -3- - - - -	3.10
08-37.3831-105.5217-2-15-	0-C28992-03/19/76-15-16- -C- - - - 12-1-7-4-6- - - -2-3-2-3-2- -8- - - - -	3.10
08-37.4986-105.5158-2-11-	0-C28995-03/19/76-16-10- 0.5-C- - 8.8- 100- 6-1-7-3-7-3-3-1- -4-3-4-2- -3- - - - -	1.50
08-37.4981-105.5417-2-14-	0-C28996-03/19/76-10-9- 5.2-C- - 7.5- 130- 14-1-7-4-6-3-3-2- -3-2-3-3- -3- - - - -	2.40
08-37.4842-105.5193-2-15-	0-C28997-03/18/76-11-12- -C- - - - 14-1-1-4-7- - - -1-3-3-3-3- -3- - - - -	2.20
08-37.4739-105.5067-2-15-	0-C28998-03/19/76-16-12- -C- - - - 10-1-7-4-6- - - -1-3-2-2-3- -3- - - - -	3.80
08-37.3944-105.5200-2-12-	0-C28999-03/19/76-12-13- 2.8-C- - 8.7- 400- 12-1-0-6-6-3-3-1-1-2-3-1-3- -3- - - - -	6.00
08-37.4017-105.5139-2-12-	0-C29000-03/19/76-14-10- 9.5-C- - 7.4- 310- 4-1-7-5-6-3-3-1-1-2-3-1-3- -3- - - - -	3.60
08-37.3786-105.6044-2-15-	0-C29001-03/19/76-14-13- -C- - - - 12-1-0-4-6- - - -1-2-2-2-3- -3- - - - -	3.20
08-37.4575-105.6196-2-15-	0-C29003-03/19/76-15-14- -C- - - - 9-1-0-4-6- - - -1-3-2-1-3- -7- - - - -	3.40
08-37.4886-105.6017-2-15-	0-C29004-03/19/76-15-13- -C- - - - 12-1-7-4-6- - - -1-3-2-1-3- -3- - - - -	2.90
08-37.4250-105.4136-2-12-	0-C29005-03/19/76-12-9- 4.2- - - 9.0- 321- 7-3-7-3-6-3-3-2-2-3-2-3-2- -3- - - - -	3.90
08-37.4250-105.4039-2-15-	0-C29006-03/19/76-12-10- - - - - - 11-4- -4-6- -1- -2-3-2-3-3- -3- - - - -	5.50
08-37.4339-105.3931-2-15-	0-C29007-03/19/76-12-12- - - - - - 7-4- -4-6- -1- -2-3-2-3-3- -3- - - - -	3.50
08-37.4331-105.3769-2-15-	0-C29008-03/19/76-13-12- - - - - - 8-4- -4-6- -1- -2-3-2-3-3- -3- - - - -	3.40
08-37.3919-105.4072-2-12-	0-C29010-03/19/76-14-10- 7.2- - - 9.7- 220- 14-3-7-3-6-3-3-1-2-3-2-3-3- -3- - - - -	4.10
08-37.4472-105.4250-2-12-	0-C29011-03/19/76-15-8- 5.0- - - 7.0- 90- 4-4- -2-1-3-3-1-2-4-3-3-3- -3- - - - -	4.60
08-37.4881-105.4066-2-15-	0-C29012-03/19/76-17-8- - - - - - 12-4-1-4-4- -1- -2-3-2-4-3- -1- - - - -	4.90
08-37.4778-105.4275-2-15-	0-C29013-03/19/76-17-8- - - - - - 11-4- -3-4- -1- -2-3-3-4-3- -1- - - - -	4.60
08-37.4781-105.4297-2-15-	0-C29014-03/19/76-17-7- - - - - - 14-4- -4-6- -1- -2-3-2-4-2- -1- - - - -	2.90
08-37.4778-105.4317-2-15-	0-C29015-03/19/76-17-7- - - - - - 10-4- -4-6- -1- -2-3-2-3-3- -1- - - - -	3.10
08-37.4392-105.4556-2-15-	0-C29016-03/19/76-18-5- - - - - - 12-4- -3-4- -1- -2-3-2-3-3- -3- - - - -	4.00
08-37.4678-105.4633-2-15-	0-C29017-03/19/76-18-5- - - - - - 12-3-7-4-4- -1- -2-3-2-3-3- -1- - - - -	3.30
08-37.4772-105.4950-2-15-	0-C29018-03/20/76-14-1- - - - - - 7-3-7-4-6- -1- - -3-2-2-2- -3- - - - -	3.40
08-37.5894-105.5650-2-15-	0-C29020-03/24/76-16-15- -C- - - - 10-1-1-4-6- - - -2-1-4-5-1- -2- - - - -	2.80
08-37.6039-105.7294-2-13-	0-C29021-03/23/76-10-11- -C- - - - 18-1-0-6-7- - - - -3-3-2-3- -3- - - - -	2.40
08-37.6183-105.5492-2-12-	0-C29023-03/23/76-12-5- 2.5-C- - 7.5- 110- 4-1-7-2-7-2-2-1-2-1-4-5-2- -2- - - - -	2.90
08-37.6067-105.5842-2-11-	0-C29024-03/23/76-13-15- 1.1-C- - 5.5- 250- 7-1-1-2-4-2-2-1-2-1-2-4-3- -3- - - - -	2.70
08-37.5511-105.5975-2-97-	0-C29025-03/23/76-14-17- -C- - - - 10-1-1-4-6- - - - -4-2-3-3- -7- - - - -	2.80
08-37.5278-105.5739-2-15-	0-C29026-03/23/76-15-17- -C- - - - 4-1-1-4-6- - - -2-3-3-4-3- -3- - - - -	2.40
08-37.5158-105.5653-2-97-	0-C29027-03/23/76-15-16- -C- - - - 4-1-1-5-6- - - - -4-2-3-2- -3- - - - -	1.60
08-37.5053-105.5422-2-15-	0-C29028-03/23/76-15-14- -C- - - - 7-1-1-4-6- - - -2-3-2-4-3- -7- - - - -	1.60
08-37.5881-105.6103-2-15-	0-C29029-03/23/76-16-15- -C- - - - 10-1-7-4-6- - - -1-3-3-2-3- -3- - - - -	2.20
08-37.5639-105.5754-2-99-	0-C29031-03/24/76-13-14- -C- - - - 6-1-1-3-7- - - - -1-4-4-2- -1- - - - -	3.30
08-37.6983-105.5414-2-15-	0-C29032-03/26/76-10-3- -C- - - - 12-1-1-4-6- - - -2-1-3-3-2- -1- - - - -	4.80
08-37.6336-105.5096-2-15-	0-C29034-03/25/76-12-17- -C- - - - 12-1-1-4-6- - - -1-3-3-3-2- -3- - - - -	2.50
08-37.6511-105.5825-2-15-	0-C29035-03/25/76-12-18- -C- - - - 9-1-1-4-6- - - -2-2-4-3-2- -3- - - - -	2.80
08-37.6522-105.5653-2-15-	0-C29036-03/25/76-13-16- -C- - - - 9-1-1-4-6- - - -2-2-4-3-2- -3- - - - -	2.90
08-37.6400-105.5451-2-12-	0-C29037-03/25/76-14-11- 1.5-C- - 7.8- 100- 7-1-1-2-1-2-2-1-2-1-3-5-2- -1- - - - -	10.00
08-37.6461-105.5454-2-12-	0-C29038-03/25/76-14-11- 3.0-C- - 7.2- 71- 9-1-1-4-6-3-3-1-2-2-3-4-2- -1- - - - -	5.10

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA										U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC)
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	SPEC. CONDUCTANCE	(remaining field data)	UNITS IN ppm
08	37.3344	105.9417	2	14		0-C29039	03/24/76	17	10	11.5	C	-	9.2	3230	10-4- - - -2-2-1- -3-3-1-1- -3- - - - -	6.00
08	37.4253	105.6142	2	15		0-C29041	03/29/76	13	5	-	-	-	-	-	7-1-3-3-6- - - - -3-2-3-3- -1- - - - -	3.10
08	37.4369	105.5775	2	15		0-C29042	03/29/76	13	7	-	-	-	-	-	9-1-6-4-6- - - - -3-2-3-3- -1- - - - -	2.80
08	37.3003	105.4306	2	15		0-C29043	03/29/76	14	2	-	-	-	-	-	10-4-6- -6- - - - -3-2-3-3- - - - - -	3.40
08	37.2969	105.4378	2	15		0-C29044	03/29/76	14	3	-	-	-	-	-	7-1-6-4-6- - - - -3-2-6-3- - - - - -	2.70
08	37.2969	105.4794	2	96		0-C29045	03/29/76	16	5	-	C	-	-	-	44-1-6-7-6- - - - -3-2-2-3- - - - - -	2.90
08	37.3411	105.4322	2	15		0-C29046	03/29/76	17	5	-	-	-	-	-	13-2-6-4-6- - - - -4-2-1-2- -1- - - - -	4.30
08	37.3067	105.7372	2	11		0-C29047	03/30/76	11	3	10.0	C	-	7.9	70	12-1-9-2-6-1-3-2-1-6-3-2-1- -3- - - - -	3.40
08	37.3017	105.6503	2	97		0-C29049	03/30/76	12	4	-	-	-	-	-	9-2-1-3-6- - - - -3-1-1-1- - - - - -	2.40
08	37.3156	105.7072	2	11		0-C29050	03/30/76	13	4	10.0	-	-	7.6	70	12-1-8-2-1-1-2-1- -4-3-1-1- -1- - - - -	5.10
08	37.5617	105.7447	2	99		0-C29053	03/31/76	10	7	-	-	-	-	-	10-1-6-6-6- - - - -3-2-5-1- -1-8- - - -	2.50
08	37.5806	105.8678	2	15		0-C29055	03/31/76	11	8	-	-	-	-	-	39-1-6-4-6- - - -3-3-2-1-1- -1- - - - -	3.00
08	37.6758	105.5669	2	15		0-C29058	03/25/76	15	17	-	C	-	-	-	12-1-7-4-6- - - -1-3-2-2-2- -3- - - - -	3.00
08	37.6836	105.5257	2	12		0-C29059	03/25/76	16	13	4.2	C	-	7.3	220	6-1-1-4-1-2-2-1-2-1-3-5-2- -2- - - - -	7.90
08	37.7175	105.5008	2	12		0-C29061	03/26/76	11	-3	0.4	C	-	7.4	220	9-1-1-4-1-2-2-1-2-1-3-5-2- -1- - - - -	3.50
08	37.7347	105.5078	2	12		0-C29062	03/26/76	12	2	2.5	C	-	7.9	180	12-1-7-4-7-3-3-1-2-2-4-4-2- -8- - - - -	3.70
08	37.7339	105.5059	2	11		0-C29063	03/26/76	13	-1	1.0	C	-	7.6	180	15-1-7-4-7-2-2-1- -2-4-5-2- -8- - - - -	5.30
08	37.7311	105.5317	2	15		0-C29064	03/26/76	14	9	-	C	-	-	-	9-1-7-4-7- - - -1-7-1-4-2- -8- - - - -	4.20
08	37.7317	105.5144	2	15		0-C29065	03/26/76	14	8	-	C	-	-	-	17-1-1-4-6- - - -2-2-3-3-1- -8- - - - -	3.30
08	37.6478	105.7050	2	96		0-C29068	03/26/76	16	7	-	C	-	-	-	10-1-9-4-6- - - - -4-2-2-1- -3- - - - -	3.00
08	37.6292	105.7153	2	96		0-C29069	03/26/76	16	5	-	C	-	-	-	18-1-9-4-6- - - - -4-2-2-1- -3- - - - -	2.60
08	37.6631	105.6614	2	13		0-C29072	03/27/76	9	4	4.8	C	-	9.9	500	15-1-9-4-6-1-2-3- -3-2-2-1- -3- - - - -	2.20
08	37.7222	105.7250	2	13		0-C29074	03/27/76	10	2	5.1	C	-	8.6	180	15-1-9-4-7-3-3-3- -3-3-1-2- -3- - - - -	3.80
08	37.7344	105.6650	2	12		0-C29077	03/27/76	13	7	13.1	C	-	8.0	150	9-1-9-4-6-3-3-2-1-4-3-2-2- -3- - - - -	3.00
08	37.7164	105.6336	2	12		0-C29079	03/27/76	14	11	14.0	C	-	8.3	140	6-1-9-4-6-3-3-1-1-3-3-2-2- -3- - - - -	3.30
08	37.6978	105.6719	2	14		0-C29083	03/29/76	10	1	3.4	C	-	7.8	290	15-1-9-4-7-3-3-1- -3-3-2-3- -3- - - - -	2.70
08	37.7153	105.7031	2	12		0-C29084	03/29/76	11	1	3.0	C	-	7.3	145	12-1-9-4-7-3-3-3-1-3-3-1-3- -3- - - - -	2.90
08	37.6756	105.7322	2	14		0-C29085	03/29/76	12	-2	6.0	C	-	9.3	5000	13-1-9-6-7-3-3-3- -3-3-2-2- -3- - - - -	2.60
08	37.6825	105.7296	2	14		0-C29086	03/29/76	13	-1	7.4	C	-	7.7	320	14-1-9-4-7-3-3-1-1-3-3-2-3- -3- - - - -	2.80
08	37.6383	105.7914	2	96		0-C29089	03/30/76	10	-2	-	C	-	-	-	14-1-9-4-6- - - - -3-3-1-1- -3- - - - -	3.30
08	37.4350	105.3511	2	15		0-C29110	04/01/76	10	12	-	C	-	-	-	14-1-7-5-6- - - -1-3-3-3-1- -9- - - - -	3.20
08	37.4392	105.3654	2	15		0-C29111	04/01/76	10	12	-	C	-	-	-	12-1-7-5-6- - - -2-3-3-3-1- -9- - - - -	3.10
08	37.4414	105.3461	2	15		0-C29112	04/01/76	10	11	-	C	-	-	-	7-1-7-5-6- - - -2-3-3-3-1- -9- - - - -	3.00
08	37.4614	105.3357	2	12		0-C29113	04/01/76	10	11	5.0	C	-	7.7	320	10-1-7-4-7-3-3-1-2-2-3-3-1- -9- - - - -	3.60
08	37.4722	105.3357	2	96		0-C29114	04/01/76	11	12	-	C	-	-	-	-1-7-2-6- - - -2-2-3-4-1- -9- - - - -	2.70
08	37.4586	105.3257	2	15		0-C29115	04/01/76	12	14	-	C	-	-	-	9-1-6-4-6- - - -2-3-3-3-1- -9- - - - -	5.10
08	37.4592	105.3128	2	15		0-C29116	04/01/76	12	13	-	C	-	-	-	10-1-7-4-6- - - -2-3-3-4-1- -9- - - - -	6.90
08	37.3803	105.2659	2	15		0-C29117	04/28/76	13	15	-	-	-	-	-	11-3-1-4-1- -1- -2-3-3-3-1- -3- - - - -	4.00
08	37.3756	105.3094	2	12		0-C29123	04/28/76	14	20	12.2	-	-	7.4	108	12-3-1-4-1-3-3-1-2-3-3-3-1- -3- - - - -	8.50
08	37.0428	105.9428	2	15		0-C29125	03/29/76	15	-2	-	C	-	-	-	6-3-8-4-6- -1- -3-3-2-3-3- -1- - - - -	2.60
08	37.8833	105.8075	2	12		0-C29140	04/01/76	10	6	9.2	-	-	6.4	500	9-4- -4-6-2-3-3-1-3-3-1-1- -3- - - - -	2.80
08	37.9161	105.9097	2	13		0-C29142	04/01/76	12	12	13.2	C	-	8.9	1595	9-4- -5-6- -2-3- -3-3-1-1- -3- - - - -	2.60
08	37.9036	105.9458	2	12		0-C29144	04/01/76	14	16	16.8	C	-	8.3	490	7-4- -6-6-3-3-2-1-3-3-1-1- -9- - - - -	3.70
08	37.9075	105.9456	2	12		0-C29145	04/01/76	15	14	17.2	-	-	7.7	500	12-4- -5-6-3-3-3-1-3-3-1-2- -3- - - - -	3.20
08	37.9053	105.9654	2	13		0-C29146	04/01/76	15	13	13.6	C	-	7.9	555	18-4- -6-6- -3-4- -4-3-1-2- -9- - - - -	3.10
08	37.7675	105.1031	2	15		0-C29167	04/07/76	10	13	-	-	-	-	-	6-4- - -4- -1- -1-4-3-3-2- -3- - - - -	8.20
08	37.7508	105.1133	2	15		0-C29168	04/07/76	10	15	-	-	-	-	-	0-1-7-2-7- -1- - -1-3-4-2- -3- - - - -	3.10
08	37.7853	105.1483	2	12		0-C29169	04/07/76	11	11	14.3	-	-	9.2	125	12-1-1-4-6-2-2-1-1-4-3-4-2- -3- - - - -	10.90
08	37.7864	105.1611	2	15		0-C29170	04/07/76	11	19	-	C	-	-	-	12-9- -4-6- -1- -2-3-3-4-2- -7- - - - -	7.10
08	37.7831	105.1775	2	12		0-C29171	04/07/76	12	15	17.7	C	-	9.2	135	10-4- -3-7-3-2-4-1-2-3-4-2- -7- - - - -	3.00
08	37.7783	105.1783	2	12		0-C29172	04/07/76	12	14	12.1	-	-	9.6	489	7-4- -3-7-4-3-1-1-4-3-3-2- -7- - - - -	3.40

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA (LASL SAMPLE LOCATION NUMBER-DATE-HOUR-AIR TEMPERATURE-WATER TEMPERATURE-COMMENTS-SPECIAL MEASUREMENTS-pH-SPECIFIC CONDUCTANCE …)		U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
08-37.7678-105.1492-2-15-	0-C29173-04/07/75-13- 10- - - - - -	12-4- -4-6- -1- -2-1-2-3-2- -3- - - - -	2.90
08-37.7692-105.2093-2-12-	0-C29174-04/07/75-14- 9-13.2- - - 8.5- 419-	10-4-7-3-7-4-3-1-2-3-3-3-2- -3- - - - -	3.60
08-37.7681-105.2431-2-11-	0-C29176-04/07/75-15- 15-16.0-C- - 8.5- 1900-	9-4- -6-9-1-2-5- -4-3-2-2- -9- - - - -	13.50
08-37.8058-105.2228-2-15-	0-C29177-04/07/75-16- 10- -C- - - -	9-4- -4-4- -1- -2-3-2-3-3- -1- - - - -	3.10
08-37.8008-105.0931-2-12-	0-C29178-04/08/75-10- 9- 5.6- - - 8.1- 1010-	7-1-7-4-6-3-3-1-1-3-3-4-2- -3- - - - -	4.20
08-37.8003-105.0856-2-15-	0-C29179-04/08/75-10- 14- - - - - -	14-1-7-2-7- -1- -2-3-2-3-2- -7- - - - -	5.50
08-37.7736-105.0753-2-97-	0-C29180-04/08/75-10- 14- - - - - -	10-4- -4-6- -1- - -1-2-3-2- -1- - - - -	4.90
08-37.7961-105.0678-2-15-	0-C29182-04/08/75-13- 16- - - - - -	6-2-7-1-6- -1- -2-1-3-5-2- -1- - - - -	2.50
08-37.8339-105.1136-2-12-	0-C29183-04/08/75-13- 15-13.1-C- - 8.4- 690-	10-4- -1-6-3-3-1-1-2-2-2-2- -9- - - - -	4.10
08-37.8339-105.1153-2-12-	0-C29184-04/08/75-13- 15-10.9-C- - 8.1- 1595-	9-4- -1-6-3-3-1-1-2-3-2-2- -9- - - - -	3.60
08-37.8283-105.1450-2-12-	0-C29185-04/08/75-14- 15-10.5- - - 8.1- 630-	9-4- -4-6-3-3-1-1-2-3-2-2- -3- - - - -	3.20
08-37.8556-105.1650-2-12-	0-C29186-04/08/75-15- 11-11.9-C- - 7.9- 995-	14-4- -2-6-2-2-2-2-1-3-3-2- -9- - - - -	4.50
08-37.8703-105.1289-2-15-	0-C29187-04/08/75-15- 12- - - - - -	9-4- -4-6- -1- -2-1-3-3-2- -3- - - - -	3.20
08-37.8697-105.1242-2-12-	0-C29188-04/08/75-15- 11- 6.2- - - 7.4- 171-	10-4- -2-6-2-3-1-2-2-3-2-2- -4- - - - -	4.50
08-37.8522-105.1031-2-15-	0-C29189-04/08/75-16- 12- - - - - -	17-4- -4-1- -1- -2-1-3-3-2- -4- - - - -	4.90
08-37.8253-105.0931-2-13-	0-C29190-04/08/75-16- 10-14.2-C- - 9.3- 925-	6-4- -6-6-1-3-5- -2-3-2-2- -9- - - - -	4.90
08-37.4006-105.0764-2-12-	0-C29191-04/09/75-15- 14- 0.0- - - 7.7- 290-	4-3-6-5-6-4-3-3-2-2-3-4-2- -3- - - - -	4.60
08-37.4008-105.0747-2-11-	0-C29192-04/09/75-15- 11- 9.0-C- - 5.7- 90-	14-4-5-5-6-2-2-4- -2-3-4-2- -3- - - - -	3.90
08-37.3811-105.1036-2-12-	0-C29193-04/09/75-16- 11- 3.9- - - 7.8- 161-	10-3-6-1-6-3-3-1-2-1-3-4-2- -3- - - - -	4.90
08-37.4714-105.0797-2-12-	0-C29195-04/09/75-17- 14- 9.2- - - 9.0- 372-	12-4- -1-6-3-3-1-2-2-3-4-2- -1- - - - -	4.70
08-37.4594-105.1086-2-12-	0-C29196-04/09/75-18- 10- 5.2-C- - 7.7- 340-	10-3-6-1-6-3-3-1-1-2-3-5-2- -3- - - - -	4.60
08-37.4928-105.0803-2-15-	0-C29199-04/10/75-11- 17- - - - - -	9-1-6-4-6- -1- -2-2-3-3-1- -3- - - - -	3.00
08-37.9497-105.7186-2-12-	0-C29200-04/01/75-12- 17- 7.2- - - 7.9- 73-	13-1-1-1-6-3-3-1-2-2-3-3-1- -7- - - - -	3.40
08-37.9619-105.6797-2-15-	0-C29201-04/01/75-13- 17- -C- - - -	12-1-1-1-2- - - -2-1-3-4-1- -2- - - - -	3.60
08-37.9328-105.7272-2-15-	0-C29202-04/01/75-13- 18- - - - - -	7-1-7-2-6- -1- -2-1-2-2-1- -7- - - - -	4.00
08-37.9494-105.6750-2-15-	0-C29203-04/01/75-13- 18- - - - - -	7-1-7-2-6- -1- -1-1-2-2-1- -3- - - - -	4.60
08-37.9578-105.7003-2-15-	0-C29204-04/01/75-13- 17- - - - - -	15-1-7-4-3- -1- -2-1-2-3-1- -7- - - - -	2.60
08-37.9758-105.6597-2-12-	0-C29205-04/01/75-13- 17- 5.2- - - 7.9- 78-	12-2-1-1-6-3-3-1-2-2-3-3-1- -7- - - - -	4.60
08-37.9892-105.7658-2-14-	0-C29206-04/01/75-14- 15-16.2-C- - 8.6- 175-	27-1-7-1-9-2-3-2- -4-2-2-1- -7- - - - -	3.60
08-37.5392-105.8578-2-15-	0-C29207-04/01/75-15- 17- - - - - -	45-1-2-6-4- -1- -3-4-2-1-1- -3- - - - -	4.60
08-37.5025-105.7561-2-11-	0-C29209-04/01/75-16- 12-17.3-C- - 8.8- 365-	15- - -6- -1-2-4- -3-2-3-1- -1- - - - -	2.60
08-37.9103-105.6694-2-97-	0-C29210-04/02/75-10- 17- - - - - -	9-2-4-2-6- - -1-2-3-1-4-1- - - - - -	2.60
08-37.5297-105.0911-2-12-	0-C29212-04/08/75-10- 16- 1.2- - - 8.2- 1400-	3-1-6-3-6-3-2-2-2-4-2-2-1- -3- - - - -	4.20
08-37.5267-105.1196-2-12-	0-C29213-04/08/75-11- 15- 9.0- - - 8.2- 3900-	1-1-6-1-6-2-2-1-2-4-2-4-1- -3- - - - -	4.30
08-37.5292-105.1642-2-12-	0-C29214-04/08/75-11- 12-10.0- - - 8.3- 3500-	1-1-7-3-7-2-2-1-2-1-3-4-1- -1- - - - -	4.40
08-37.5275-105.1456-2-12-	0-C29215-04/08/75-11- 11- 7.0- - - 8.1- 3700-	3-1-7-3-7-3-2-1-2-1-3-4-1- -1- - - - -	5.60
08-37.5686-105.0159-2-12-	0-C29218-04/08/75-14- 11-10.8- - - 8.0- 450-	1-1-5-6-6-2-2-5-1-4-2-2-2- -3- - - - -	2.70
08-37.5775-105.0450-2-15-	0-C29220-04/08/75-14- 10- - - - - -	12-1-6-3-6- -1- -2-4-2-1-2- -3- - - - -	3.60
08-37.6089-105.0542-2-15-	0-C29221-04/08/75-15- 14- - - - - -	6-3-1-1-1- -1- -1-1-3-5-2- -1- - - - -	2.70
08-37.6078-105.0389-2-15-	0-C29222-04/08/75-15- 14- - - - - -	7-3-1-1-1- -1- -2-3-4-4-2- -1- - - - -	3.00
08-37.5917-105.0278-2-15-	0-C29224-04/08/75-15- 13- - - - - -	15-4-1-1-1- -1- -2-4-2-1-2- -3- - - - -	2.60
08-37.5978-105.0739-2-11-	0-C29228-04/09/75-11- 21- 8.2- - - 5.3- 400-	7-1-1-6-8-2-2-1-2-3-4-4-1- -3- - - - -	2.60
08-37.5853-105.0097-2-12-	0-C29229-04/09/75-12- 10-12.6- - - 9.1- 370-	9-1-1-1-6-3-4-4-2-1-4-5-2- -1- - - - -	3.90
08-37.5361-105.0608-2-12-	0-C29231-04/09/75-13- 16-11.4- - - 5.4- 320-	9-1-1-6-8-3-3-2-2-4-3-2-2- -3- - - - -	3.90
08-37.5597-105.1103-2-12-	0-C29232-04/09/75-13- 12-13.2- - - 5.2- 1100-	7-3-1-6-8-2-2-1-2-3-4-4-2- -1- - - - -	4.10
08-37.5564-105.1303-2-12-	0-C29233-04/09/75-14- 8-12.2- - - 8.2- 280-	9-1-1-6-6-3-3-2-2-3-3-3-2- -3- - - - -	4.40
08-37.5636-105.1294-2-11-	0-C29234-04/09/75-14- 9- 7.8-C- - 8.0- 700-	9-3-1-5-6-3-3-1- -3-4-5-3- -3- - - - -	3.50
08-37.5633-105.1436-2-11-	0-C29235-04/09/75-15- 5- 5.0-C- - 7.8- 600-	12-3-1-3-1-3-3-1- -3-4-5-3- -3- - - - -	3.70
08-37.5744-105.1708-2-12-	0-C29236-04/09/75-15- 7- 7.0- - - 9.2- 300-	10-1-1-3-2-3-3-2-2-3-3-4-3- -3- - - - -	3.90
08-37.5733-105.1731-2-12-	0-C29237-04/09/75-15- 7- 3.8- - - 7.6- 250-	9-3-1-6-6-2-2-2-2-1-4-4-3- -3- - - - -	4.30
08-37.5644-105.1792-2-12-	0-C29239-04/09/75-15- 7- 3.4- - - 8.0- 250-	9-3-1-4-6-3-2-1-2-1-4-5-3- -1- - - - -	3.60

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment 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-SPECIFIC CONDUCTANCE-SCINTILLOMETER-CODED FIELD DATA-WELL DEPTH FEET-WATER DEPTH FEET)	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
08-37.6092-105.2158-2-11-	0-C29239-04/09/75-16- 6- 2.0- - - 7.8- 155- 3-4- -5-6-3-3-1-1-4-4-3-3- -3- - - - -	3.60
08-37.6167-105.2142-2-11-	0-C29240-04/09/75-16- 6- 2.2- - - 8.2- 370- 9-4- -3-7-2-2-1-2-4-4-3-3- -3- - - - -	4.00
08-37.6022-105.2300-2-12-	0-C29241-04/09/75-16- 5- 3.5- - - 8.0- 150- 6-4- -3-7-3-2-3-2-4-4-4-3- -3- - - - -	3.60
08-37.5925-105.2447-2-12-	0-C29242-04/09/75-16- 6- 5.5- - - 7.6- 270- 9-3-1-3-1-2-2-1-2-3-2-5-3- -1- - - - -	4.20
08-37.7072-105.2533-2-15-	0-C29243-04/10/75-11- 8- - - - - - 3-1-1-4-6- - - -2-4-2-2-1- -3- - - - -	3.20
08-37.6867-105.2667-2-12-	0-C29244-04/10/75-11- 17-10.0- - - 7.6- 350- 9-4- -5-8-2-2-1-2-4-3-3-1- -3- - - - -	4.30
08-37.6908-105.2950-2-12-	0-C29245-04/10/75-12- 14-11.6- - - 8.2- 5000- 15-3-1-3-1-2-2-1-2-4-3-3-1- -3- - - - -	4.40
08-37.7244-105.2753-2-12-	0-C29246-04/10/75-12- 7-10.0- - - 8.2- 230- 0-3-1-3-1-3-3-1-2-4-2-3-1- -3- - - - -	4.50
08-37.7303-105.3150-2-12-	0-C29247-04/10/75-13- 8-11.0- - - 8.2- 240- 6-3-1-3-1-3-4-1-2-4-4-2-1- -3- - - - -	3.70
08-37.7283-105.3525-2-12-	0-C29249-04/10/75-14- 6-13.4- - - 8.3- 220- 12-3-7-4-7-3-2-2-1-3-3-4-1- -1- - - - -	3.60
08-37.8919-105.2242-2-15-	0-C29250-04/07/75-10- 11- - - - - - 21-2-6-2-6- -1- -2-1-2-4-2- -1- - - - -	4.70
08-37.9161-105.2303-2-15-	0-C29251-04/07/75-10- 11- - - - - - 18-2-1-2-1- -1- -2-1-2-4-1- -1- - - - -	5.20
08-37.9158-105.2272-2-15-	0-C29252-04/07/75-11- 12- - - - - - 12-2-1-4-1- -1- -2-1-2-4-1- -1- - - - -	7.30
08-37.9442-105.2456-2-11-	0-C29254-04/07/75-11- 12- 6.7-C- - 7.3- 155- 12-4- -5-6-2-2-1-2-3-2-4-2- -9- - - - -	3.60
08-37.9542-105.2333-2-11-	0-C29255-04/07/75-12- 10- 6.9-C- - 7.3- 120- 21-4- -6-6-2-3-1- -4-2-4-3- -9- - - - -	6.40
08-37.9831-105.1900-2-12-	0-C29256-04/07/75-13- 9- 0.9- - - 7.4- 145- 8-2-4-1-4-3-3-1-2-2-3-5-3- -3- - - - -	4.70
08-37.9542-105.1958-2-12-	0-C29257-04/07/75-14- 9- 1.1- - - 7.6- 135- 18-2-4-2-4-3-2-1-2-3-2-4-3- -3- - - - -	3.10
08-37.9331-105.1997-2-12-	0-C29258-04/07/75-14- 9- 3.6- - - 8.3- 135- 16-2-4-2-4-3-3-1-2-1-2-4-2- -3- - - - -	3.60
08-37.9167-105.1836-2-12-	0-C29259-04/07/75-15- 10- 3.0- - - 8.1- 150- 16-2-4-2-6-3-3-1-2-2-2-4-2- -3- - - - -	3.10
08-37.9064-105.1378-2-12-	0-C29260-04/07/75-15- 7- 0.6- - - 7.2- 120- 10-2-4-2-4-3-3-1-2-1-3-4-2- -3- - - - -	8.10
08-37.8781-105.1425-2-12-	0-C29261-04/07/75-16- 11- 9.5-C- - 8.0- 500- 18-4- -7-7-2-2-1-2-3-2-4-2- -3- - - - -	4.60
08-37.8756-105.2408-2-12-	0-C29262-04/08/75-12- 12-10.0- - - 8.0- 900- 10-2-1-3-6-2-2-1-2-1-2-4-2- -3- - - - -	9.60
08-37.3600-105.2750-2-15-	0-C29263-04/28/75-13- 15- - - - - - 11-3-1-4-1- -1- -2-3-3-4-1- -3- - - - -	6.70
08-37.7953-105.5067-2-12-	0-C29282-04/19/75-11- 6- 2.0-C- - 7.1- 90- 7-4- -4-6-3-3-1-2-2-3-4-3- -1- - - - -	3.10
08-37.7764-105.5078-2-12-	0-C29283-04/19/75-12- 2- 1.0-C- - 7.9- 725- 12-4- -4-6-3-2-2-1-2-3-4-3- -1- - - - -	3.90
08-37.7725-105.5064-2-15-	0-C29284-04/19/75-14- 4- - - - - - 3-4- -4-6- -1- -2-2-2-4-3- -1- - - - -	3.00
08-37.8292-105.7322-2-11-	0-C29286-04/19/75-16- 7-15.0-C- - 8.5- 350- 14-4- -4-6-2-2-1- -3-2-2-2- -9- - - - -	2.40
08-37.3211-105.1311-2-12-	0-C29292-07/13/75-14- 16- 9.8- - - 7.8- 110- 12-2-4-4-4-3-3-1-1-2-3-5-2- -8- - - - -	5.20
08-37.2061-105.1150-2-12-	0-C29294-07/14/75-16- 14-11.2- - - 9.4- 205- 10-2-7-2-7-4-3-1-1-1-3-4-3- -8- - - - -	6.40
08-37.1731-105.1597-2-11-	0-C29295-07/15/75-10- 9- 3.5- - - 5.8- 45- 19-2-7-1-7-2-3-1-1-1-2-5-1- -8- - - - -	34.60
08-37.1406-105.1642-2-11-	0-C29296-07/15/75-13- 11- 3.5- - - 5.3- 50- -2-7-1-7-2-3-1-1-1-2-5-2- -8- - - - -	11.80
08-37.4375-105.2375-2-12-	0-C29297-07/16/75- 9- 24-20.5- - - 8.4- 230- 14-2-7-1-7-3-3-1-1-2-3-4-2- -3- - - - -	4.30
08-37.4364-105.2375-2-15-	0-C29298-07/16/75-13- - - - - - - 16-2-7-2-7- -1- -1-2-3-4-2- -3- - - - -	4.90
08-37.4333-105.1957-2-12-	0-C29299-07/16/75-14- 21-18.0- - - 8.2- 220- 21-2-7-1-7-3-3-1-1-2-3-4-2- -3- - - - -	4.00
08-37.4344-105.1954-2-12-	0-C29300-07/16/75-13- 21-15.0- - - 8.0- 310- 16-2-7-1-7-2-3-1-1-2-3-4-2- -3- - - - -	4.80
08-37.3922-105.2000-2-11-	0-C29301-07/16/75-14- 18- 4.0- - - 7.6- 120- 12-2-7-1-7-2-3-1-1-1-4-5-2- -1- - - - -	11.80
08-37.4292-105.1728-2-12-	0-C29302-07/16/75-16- 22-20.0- - - 8.6- 200- 10-2-6-5-6-2-3-2-1-4-4-3-2- -3- - - - -	3.50
08-37.4378-105.1650-2-11-	0-C29303-07/16/75-14- 18- 9.0- - - 7.5- 235- 10-2-4-5-6-2-3-1-1-4-4-3-2- -3- - - - -	4.50
08-37.4494-105.1729-2-11-	0-C29304-07/16/75-16- 18- 9.0- - - 9.1- 230- 14-2-4-5-6-2-3-1-1-4-4-3-2- -3- - - - -	21.70
08-37.4581-105.1278-2-11-	0-C29305-07/16/75-15- 17- 9.0- - - 7.6- 340- 12-2-7-1-7-2-3-1-1-2-3-4-2- -3- - - - -	5.60
08-37.4719-105.1850-2-13-	0-C29306-07/16/75-17- 18-20.0- - - 7.7- 410- 8-2-4-5-6- -4-1- -4-2-4-3- -3- - - - -	5.30
08-37.4806-105.1879-2-12-	0-C29307-07/16/75-17- 15-14.0- - - 8.2- 270- 12-2-4-5-6-3-3-1-1-4-4-4-3- -3- - - - -	4.60
08-37.4939-105.1851-2-11-	0-C29308-07/16/75-18- 14- 7.0- - - 7.5- 255- 10-2-4-4-6-2-3-1-1-4-4-4-3- -3- - - - -	5.50
08-37.3822-105.2089-2-12-	0-C29309-07/17/75-12- 18-13.0- - - 7.6- 80- 16-2-4-1-4-3-3-1-1-2-3-4-2- -3- - - - -	22.50
08-37.3828-105.2086-2-12-	0-C29310-07/17/75-12- 19-14.2- - - 8.0- 170- 16-2-4-1-4-3-3-1-1-2-3-4-2- -3- - - - -	15.20
08-37.3436-105.1839-2-11-	0-C29311-07/17/75-14- - 8.1- - - 8.7- 55- 10-2-7-5-6-2-3-1-1-4-4-5-3- -1- - - - -	3.90
08-37.2700-105.2150-2-11-	0-C29312-07/18/75-11- 12- 4.2- - - 8.0- 100- 25-2-6-2-4-3-3-1-1-1-4-5-2- -3- - - - -	241.90
08-37.3117-105.2256-2-12-	0-C29313-07/18/75-11- 16-10.4- - - 8.6- 130- 29-2-1-2-1-3-3-1-1-4-3-5-2- -3- - - - -	10.90
08-37.3017-105.2051-2-12-	0-C29314-07/18/75-12- 16- 7.0- - - 8.6- 55- 21-2-7-2-7-4-3-1-1-1-3-5-3- -1- - - - -	4.50
08-37.2722-105.1922-2-12-	0-C29316-07/18/75-13- 17-10.0- - - 8.8- 235- 16-2-7-1-7-4-3-1-1-2-4-5-2- -3- - - - -	15.60
08-37.2444-105.1631-2-11-	0-C29317-07/18/75-14- 14- 4.0- - - 8.5- 245- 6-2-7-2-7-4-3-1-1-4-3-5-3- -3- - - - -	1.30

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION: SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC), UNITS IN ppm
08-37.2075-105.2017-2-12-	0-C29318-07/19/76- 9- 10- 5.0- - - 7.9- 125- 21-2-7-1-7-4-3-1-1-2-4-5-2- -3- - - - -	6.50
08-37.2006-105.1819-2-11-	0-C29319-07/19/76- 9- 10- 4.0- - - 7.7- 150- 25-2-7-5-6-2-4-1-1-4-4-5-2- -1- - - - -	19.60
08-37.2233-105.1758-2-11-	0-C29320-07/19/76-10- 11- 4.0- - - 8.0- 250- 10-2-7-1-7-4-3-1-1-4-4-5-2- -1- - - - -	6.70
08-37.2303-105.1719-2-11-	0-C29321-07/19/76-10- 11- 4.0- - - 9.1- 260- 12-2-7-1-7-3-3-1-1-4-4-5-2- -3- - - - -	7.80
08-37.2333-105.1747-2-11-	0-C29322-07/19/76-11- 11- 4.0- - - 9.3- 190- 21-2-7-5-6-3-3-1-1-4-4-5-2- -3- - - - -	8.30
08-37.1828-105.2347-2-12-	0-C29323-07/19/76-10- 16-11.0- - - 7.8- 100- 14-2-7-2-7-4-4-1-1-2-3-5-2- -3- - - - -	12.30
08-37.1744-105.2239-2-12-	0-C29324-07/19/76-11- 15-10.0- - - 7.5- 45- 12-2-7-1-7-4-4-1-1-1-3-5-2- -3- - - - -	13.00
08-37.1744-105.2289-2-12-	0-C29325-07/19/76-11- 15- 9.0- - - 7.1- 35- 10-2-7-1-7-4-4-1-1-1-3-5-2- -3- - - - -	81.90
08-37.1658-105.1044-2-12-	0-C29326-07/19/76-12- 15- 9.0- - - 7.6- 40- 12-2-7-1-7-3-3-1-1-1-4-5-2- -1- - - - -	14.90
08-37.1653-105.1047-2-12-	0-C29327-07/19/76-13- 18-10.0- - - 7.0- 34- 16-2-7-1-7-4-3-1-1-1-4-5-2- -1- - - - -	3.50
08-37.1386-105.2128-2-11-	0-C29328-07/19/76-14- 18- 6.0-C- - 7.2- 20- 16-2-7-1-7-4-4-1-1-4-4-5-2- -1- - - - -	6.20
08-37.1372-105.2122-2-11-	0-C29329-07/19/76-14- 18- 6.5-C- - 5.6- 7- 8-2-7-1-7-4-4-1-1-4-4-5-2- -1- - - - -	47.20
08-37.1169-105.1097-2-11-	0-C29330-07/19/76-15- 18- 4.0- - - 5.2- 41- 12-2-7-1-7-2-3-1-1-4-4-5-2- -1- - - - -	21.30
08-37.0928-105.2142-2-11-	0-C29331-07/19/76-15- 18- 5.0-C- - 5.7- 35- 29-2-4-2-4-3-3-1-1-1-3-5-2- -3- - - - -	94.30
08-37.0775-105.2300-2-11-	0-C29332-07/19/76-15- 18- 4.0-C- - 5.4- 27- 29-2-4-2-4-4-3-1-1-1-3-5-2- -3- - - - -	113.20
08-37.2258-105.2750-2-12-	0-C29333-07/19/76-16- 19-14.0-C- - 7.6- 135- 16-2-1-2-1-4-3-1-1-2-3-3-2- -3- - - - -	11.30
08-37.8444-105.4039-2-12-	0-C29334-07/20/76-12- 16-10.0- - - 7.3- 50- 16-2-7-2-7-3-3-1-1-2-3-5-3- -8- - - - -	5.90
08-37.8111-105.3893-2-12-	0-C29335-07/20/76-12- 18-15.0- - - 8.1- 200- 25-2-4-2-4-3-3-1-1-2-3-4-4- -1- - - - -	3.20
08-37.8006-105.4022-2-12-	0-C29336-07/20/76-13- 18-15.0- - - 7.7- 150- 12-2-4-2-4-3-3-1-1-2-3-4-4- -1- - - - -	4.30
08-37.7522-105.3878-2-15-	0-C29337-07/20/76-14- 16- - - - - - -2-4-4-4- -1- -2-3-2-3-4- -1- - - - -	2.60
08-37.7600-105.3791-2-12-	0-C29338-07/20/76-16- 17-14.0-C- - 7.8- 335- 14-2-4-5-6-3-3-1-1-4-3-3-4- -3- - - - -	2.00
08-37.8156-105.4658-2-13-	0-C29339-07/22/76-12- 19-14.0- - - 8.0- 70- 14-2-1-4-6-3-4-1-1-2-4-4-2- -8- - - - -	2.40
08-37.3353-105.3839-2-12-	0-C29342-04/28/76-14- 16- 7.1- - - 5.0- 129- 11-3-1-4-1-4-3-1-2-1-4-4-1- -3- - - - -	5.30
08-37.5144-105.0117-2-12-	0-C29343-04/07/76-15- 16-10.2- - - 7.4- 690- 36-1-6-2-8-3-3-1-2-4-3-1-2- -3- - - - -	5.10
08-37.5083-105.0711-2-12-	0-C29344-04/07/76-16- 10- 9.8- - - 8.0- 900- 39-1-6-5-8-2-3-1-2-4-3-2-2- -3- - - - -	3.30
08-37.4903-105.0028-2-13-	0-C29345-04/10/76-12- 17-11.0- - - 8.5- 292- 10-1-6-4-6- -3-1- -4-3-2-1- -3- - - - -	4.50
08-37.4722-105.0097-2-12-	0-C29346-04/10/76-12- 15-15.0- - - 8.4- 420- 15-4- -1-6-3-2-1-2-2-3-4-2- -3- - - - -	3.70
08-37.4147-105.0244-2-12-	0-C29347-04/10/76-13- 15- 7.9-C- - 7.8- 94- 11-3-6-1-6-3-3-1-2-1-3-4-2- -1- - - - -	3.30
08-37.4442-105.0791-2-11-	0-C29348-04/10/76-14- 16-14.0- - - 7.7- 499- 8-1-7-5-6- -3-2- -1-2-5-2- -1- - - - -	4.40
08-37.4364-105.0822-2-11-	0-C29349-04/10/76-15- 15-10.5- - - 7.9- 52- 9-1-7-4-6- -3-4- -1-2-5-2- -1- - - - -	4.30
08-37.4883-104.9893-2-12-	0-C29350-04/10/76-16- 15-16.0-C- - 8.1- 169- 7-4- -2-6-3-3-1-2-2-3-3-2- -9- - - - -	4.90
08-37.4186-104.9722-2-12-	0-C29353-04/10/76-17- 8- 0.8- - - 8.3- 129- 14-3-6-1-6-3-3-1-2-1-3-5-2- -4- - - - -	5.30
08-37.4800-104.9106-2-9/-	0-C29357-04/12/76-12- 11- - - - - - 15-1-6-5-6- -1- - -4-3-4-4- -3- - - - -	3.30
08-37.4792-104.9100-2-12-	0-C29358-04/12/76-12- 11- 9.6- - - 7.4- 497- 3-1-6-2-6-2-2-1-2-2-3-4-4- -4- - - - -	6.40
08-37.4739-104.9122-2-12-	0-C29359-04/12/76-12- 15-11.7- - - 7.9- 339- 10-3-6-4-6-2-2-1-3-2-3-4-4- -1- - - - -	4.40
08-37.4808-104.8844-2-12-	0-C29360-04/12/76-14- 15-10.5- - - 8.0- 539- 10-3-6-4-6-3-2-1-2-2-3-4-3- -1- - - - -	2.50
08-37.4547-104.9086-2-12-	0-C29361-04/12/76-14- 18-11.9- - - 5.9- 131- 12-3-6-4-6-2-2-6-2-2-3-4-3- -3- - - - -	5.50
08-37.4464-104.8764-2-15-	0-C29362-04/12/76-15- 16- - - - - - 10-3-6-4-6- -1- -2-1-3-4-3- -3- - - - -	3.20
08-37.7392-104.9794-2-15-	0-C29363-04/13/76-10- 17- -C- - - - 15-4- -4-6- -1- -2-3-2-4-2- -1- - - - -	4.40
08-37.7425-104.9658-2-15-	0-C29364-04/13/76-10- 16- -C- - - - 10-4- -4-6- -1- -2-3-2-4-2- -1- - - - -	4.20
08-37.7139-104.9628-2-15-	0-C29365-04/13/76-11- 18- - - - - - 7-4- -4-6- -1- -2-3-3-3-2- -7- - - - -	9.40
08-37.7153-104.9622-2-11-	0-C29366-04/13/76-11- 18-10.8-C- - 7.8- 121- 9-1-6-5-8- -2-1- -2-3-3-2- -3- - - - -	2.90
08-37.7225-104.9006-2-11-	0-C29367-04/13/76-11- 18-14.2-C- - 8.2- 610- 12-4- -5-8- -3-5- -3-3-4-2- -9- - - - -	3.10
08-37.7328-104.9211-2-15-	0-C29368-04/13/76-12- 21- - - - - - 7-4- -4-6- -1- -2-3-3-4-2- -3- - - - -	3.90
08-37.7428-104.9144-2-12-	0-C29369-04/13/76-13- 20-10.2- - - 7.0- 110- 12-4- -4-6-2-3-4-1-2-3-3-2- -1- - - - -	3.20
08-37.7394-104.8806-2-15-	0-C29370-04/13/76-13- 24- - - - - - 15-4- -4-6- -1- -2-3-3-4-2- -1- - - - -	3.70
08-37.6931-104.9022-2-15-	0-C29372-04/13/76-14- 21- -C- - - - 10-1-6-4-6- -1- -2-1-3-5-2- -1- - - - -	5.00
08-37.6667-104.8957-2-90-	0-C29374-04/13/76-15- 10- - - - - - 10-4- -4-6- -1- - -1-3-3-2- -4- - - - -	3.20
08-37.6422-104.8750-2-15-	0-C29375-04/13/76-16- 10- - - - - - 10-4- -4-6- -1- -2-1-3-3-2- -1- - - - -	5.10
08-37.3350-105.2544-2-12-	0-C29377-04/28/76-14- 16- 9.4- - - 5.9- 110- 12-3-1-4-7-2-3-1-3-1-4-4-1- -3- - - - -	12.70
08-37.8858-105.8319-2-96-	0-C29380-04/14/76-13- 12- - - - - - 9-4- -4-6- -1- - -3-3-2-2- -3- - - - -	2.70

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN PPM
08-37.8772-105.1799-2-12-	0-C29384-04/08/75-13- 15-15.6- - - 9.1- 980- 12-4- -5-6-2-2-1-2-4-3-4-2- -3- - - - - -	4.20
08-37.9844-105.0553-2-14-	0-C29385-04/08/75-18- 4- 0.6- - - 7.8- 59- 12-2-4-3-4-3-3-2- -1-3-5-2- -7- - - - - -	4.90
08-37.7264-105.0025-2-96-	0-C29386-04/09/75- 9- 16- - - - - - 8-4- -3-6- -1- -3-3-2-4-2- -3- - - - - -	4.40
08-37.7281-105.0164-2-12-	0-C29387-04/09/75- 9- 16-10.0-C- - 8.3- 1000- 21-2-6-4-6-3-2-1-2-3-2-4-2- -9- - - - - -	3.40
08-37.7256-105.0228-2-15-	0-C29388-04/09/75-10- 16- - - - - - 21-2-6-4-6- -1- -2-3-2-4-2- -3- - - - - -	3.70
08-37.7464-105.0753-2-12-	0-C29389-04/09/75-10- 17-13.8- - - 8.4- 775- 8-4- -4-6-3-2-2-2-3-2-4-1- -3- - - - - -	3.00
08-37.7367-105.0728-2-15-	0-C29390-04/09/75-11- 17- - - - - - 8-4- -4-6- -1- -2-3-2-3-1- -3- - - - - -	5.10
08-37.7069-105.0503-2-15-	0-C29392-04/09/75-12- 17- - - - - - 8-1-1-4-6- -1- -2-3-2-3-2- -3- - - - - -	4.50
08-37.7075-105.0522-2-15-	0-C29393-04/09/75-12- 18- - - - - - 6-4- -4-6- -1- -2-3-2-3-2- -3- - - - - -	4.40
08-37.7047-105.0597-2-15-	0-C29394-04/09/75-12- 19- - - - - - 12-1-1-4-6- -1- -2-3-2-3-2- -3- - - - - -	3.60
08-37.7064-105.0600-2-15-	0-C29395-04/09/75-12- 19- - - - - - 9-1-1-4-6- -1- -2-3-2-3-2- -3- - - - - -	5.20
08-37.7306-105.0544-2-15-	0-C29396-04/09/75-13- 19- - - - - - 6-1-6-4-6- -1- -2-3-2-3-2- -3- - - - - -	5.00
08-37.6847-105.1147-2-97-	0-C29397-04/09/75-13- 18- - - - - - 8-4- -4-6- -1- - -1-2-3-2- -3- - - - - -	2.60
08-37.6836-105.1108-2-12-	0-C29398-04/09/75-14- 15-11.0- - - 7.5- 1110- 10-2-7-4-6-2-2-1-2-2-2-6-2- -3- - - - - -	3.80
08-37.6775-105.0136-2-15-	0-C29401-04/09/75-17- 13- - - - - - 10-4- -4-6- -1- -2-3-2-3-2- -3- - - - - -	4.20
08-37.6378-105.0542-2-11-	0-C29402-04/09/75-17- 14-10.1-C- - 7.6- 412- 6-3-6-6-8-2-2-1- -3-2-4-2- -9- - - - - -	14.20
08-37.6308-105.0786-2-11-	0-C29403-04/09/75-18- 12- 5.1-C- - 7.4- 377- 18-3-6-6-6-2-2-3- -2-2-4-2- -9- - - - - -	2.60
08-37.6406-105.1292-2-97-	0-C29404-04/10/75-11- 10- -C- - - - 10-2-6-4-6- -1- - -4-2-4-1- -3- - - - - -	3.80
08-37.6422-105.1258-2-15-	0-C29405-04/10/75-11- 10- - - - - - 4-1-6-4-6- -1- -3-4-2-4-1- -3- - - - - -	3.20
08-37.6494-105.1258-2-14-	0-C29406-04/10/75-12- 17- 9.1-C- - 8.1- 500- 6-1-6-4-6-2-3-1- -4-3-4-1- -3- - - - - -	3.40
08-37.6539-105.1597-2-12-	0-C29407-04/10/75-13- 17-14.5- - - 8.3- 240- 4-4- -2-1-3-3-2-2-2-2-4-1- -3- - - - - -	3.70
08-37.6528-105.1592-2-12-	0-C29408-04/10/75-14- 18-11.4- - - 7.6- 475- 6-4- -5-6-3-3-2-2-2-2-4-1- -3- - - - - -	4.10
08-37.6781-105.1497-2-11-	0-C29409-04/10/75-14- 18-13.9- - - 7.3- 80- 8-4- -5-6-2-2-2-2-3-2-4-1- -3- - - - - -	2.90
08-37.6833-105.1403-2-11-	0-C29410-04/10/75-15- 17- 6.8-C- - 5.8- 55- 4-4- -5-6-3-3-1- -4-3-4-1- -9- - - - - -	3.20
08-37.3361-105.2553-2-15-	0-C29411-04/28/75-14- 16- - - - - - 11-3-1-6-8- -1- -2-1-4-4-1- -3- - - - - -	4.20
08-37.7097-105.1283-2-15-	0-C29412-04/10/75-16- 17- - - - - - 14-4- -4-6- -1- -2-3-2-3-2- -3- - - - - -	2.80
08-37.7097-105.1342-2-14-	0-C29413-04/10/75-16- 17-15.8- - - 8.3- 395- 8-4- -5-6-2-3-5- -3-2-3-2- -3- - - - - -	2.70
08-37.7472-105.1500-2-15-	0-C29414-04/10/75-17- 16- - - - - - 10-4- -4-6- -1- -2-1-2-3-1- -3- - - - - -	4.40
08-37.7367-105.2372-2-12-	0-C29415-04/10/75-19- 10-11.1- - - 8.0- 500- 12-4- -5-6-3-3-3-2-4-2-4-2- -3- - - - - -	3.30
08-37.6489-105.2108-2-12-	0-C29416-04/12/75- 9- 13- 5.5- - - 8.2- 228- 12-2-6-2-6-3-3-2-2-1-3-5-2- -3- - - - - -	3.30
08-37.6628-105.2206-2-12-	0-C29417-04/12/75-10- 13- 6.0- - - 9.3- 240- 12-2-6-3-6-3-3-2-2-2-3-5-2- -3- - - - - -	4.10
08-37.6919-105.2339-2-12-	0-C29418-04/12/75-11- 21- 8.0- - - 7.7- 300- 12-2-6-2-6-3-3-1-2-2-2-5-2- -3- - - - - -	4.00
08-37.7014-105.2294-2-14-	0-C29419-04/12/75-11- 13-13.0- - - 7.5- 135- 6-2-6-5-6-2-3-2-1-3-2-4-3- -3- - - - - -	3.60
08-37.7033-105.2131-2-11-	0-C29420-04/12/75-12- 17-14.0-C- - 9.1- 120- 16-4- -5-6-2-3-3-3-3-2-5-3- -3- - - - - -	3.10
08-37.6925-105.2014-2-11-	0-C29421-04/12/75-13- 14- 4.0- - - 7.3- 80- 6-2-7-2-7-2-3-1-2-1-4-5-2- -1- - - - - -	12.40
08-37.8392-104.8769-2-12-	0-C29422-04/13/75-11- 17-13.6- - - 7.8- 440- 21-4- -2-6-2-2-1-2-4-2-3-2- -3- - - - - -	7.60
08-37.8256-104.9106-2-97-	0-C29423-04/13/75-12- 17- - - - - - 12-4- -4-6- -1- - -3-2-3-2- -3- - - - - -	4.50
08-37.8194-104.9253-2-15-	0-C29424-04/13/75-12- 17- - - - - - 18-2-4-3-6- -1- -2-3-2-3-2- -3- - - - - -	4.00
08-37.8486-104.9439-2-12-	0-C29425-04/13/75-12- 15- 7.2- - - 7.4- 30- 21-2-4-2-4-3-3-1-2-1-3-4-2- -3- - - - - -	9.80
08-37.8564-104.9428-2-12-	0-C29426-04/13/75-12- 15- 6.0- - - 5.8- 70- 14-2-6-3-6-3-3-1-2-1-3-4-2- -3- - - - - -	14.40
08-37.7878-104.9358-2-97-	0-C29428-04/13/75-14- 10- - - - - - 10-2-5-4-6- -1- - -3-2-3-2- -3- - - - - -	3.90
08-37.7761-104.9450-2-97-	0-C29429-04/13/75-14- 10- - - - - - 21-4- -5-6- -1- - -3-2-3-2- -3- - - - - -	3.60
08-37.7544-104.9197-2-97-	0-C29430-04/13/75-15- 21- - - - - - 12-4- -5-6- -1- - -3-2-3-2- -3- - - - - -	3.80
08-37.7589-104.9031-2-15-	0-C29431-04/13/75-15- 22- -C- - - - 12-2-6-3-4- -1- -2-3-2-3-2- -3- - - - - -	4.20
08-37.7897-104.8994-2-15-	0-C29432-04/13/75-16- 21- - - - - - 12-4- -3-4- -1- -2-3-2-3-2- -3- - - - - -	3.80
08-37.8008-104.8778-2-15-	0-C29433-04/13/75-16- 21- -C- - - - 10-4- -4-6- -1- -3-3-2-3-2- -3- - - - - -	3.70
08-37.7072-105.3731-2-12-	0-C29434-04/10/75-14- 6-10.8- - - 8.1- 380- 6-3-1-3-7-2-2-1-2-3-2-4-1- -1- - - - - -	3.00
08-37.7089-105.3731-2-11-	0-C29435-04/10/75-14- 12- 7.2- - - 8.0- 150- 3-1-1-6-8-2-2-4-2-3-3-4-1- -1- - - - - -	5.40
08-37.7244-105.3644-2-12-	0-C29436-04/10/75-14- 9-14.2- - - 9.3- 200- 6-1-1-3-1-3-3-2-2-2-2-4-1- -3- - - - - -	3.80
08-37.7069-105.3489-2-12-	0-C29437-04/10/75-14- 6-14.5- - - 8.0- 240- 21-1-7-5-7-3-2-3-2-3-2-3-1- -3- - - - - -	4.00
08-37.6950-105.3347-2-12-	0-C29438-04/10/75-15- -13.2- - - 8.1- 230- 9-1-5-4-6-3-3-3-2-4-4-3-1- -3- - - - - -	4.90

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment 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	TIME SAMPLED: HOUR	AIR TEMPERATURE	WATER TEMPERATURE											U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
08	37.6753	105.3200	2	12	0	C29439	04/10/75	15	6	10.5	-	-	8.2	250	7-1-7-4-2-2-3-2-2-4-3-4-1	3	-	-	-	-	4.20
08	37.7411	105.2519	2	12	0	C29440	04/10/75	16	7	14.2	-	-	8.0	320	3-1-7-3-1-3-3-1-2-4-3-2-1	3	-	-	-	-	3.90
08	37.9281	104.8833	2	12	0	C29441	04/13/75	10	13	12.0	-	-	9.1	6000	44-1-6-3-4-2-2-1-2-4-3-3-1	7	-	-	-	-	3.70
08	37.9275	104.8858	2	12	0	C29442	04/23/75	10	12	10.0	-	-	7.3	370	13-1-1-4-1-3-3-1-2-4-3-3-1	3	-	-	-	-	3.60
08	37.9264	104.8825	2	12	0	C29443	04/13/75	11	10	12.2	-	-	7.9	270	4-1-1-4-8-3-3-1-2-4-3-3-1	3	-	-	-	-	4.70
08	37.9264	104.9056	2	11	0	C29444	04/10/75	11	13	10.8	C	-	7.2	350	9-1-3-6-3-2-2-1-2-1-3-4-1	1	-	-	-	-	5.10
08	37.9094	104.8886	2	14	0	C29445	04/13/75	12	17	16.5	-	-	9.2	2000	3-3-1-6-8-1-3-5- -4-3-2-1	3	-	-	-	-	4.10
08	37.8978	104.9031	2	15	0	C29446	04/13/75	12	12	-	-	-	-	-	4-3-1-5-8- -1- -2-4-4-3-1	3	-	-	-	-	4.90
08	37.9017	104.9533	2	12	0	C29447	04/10/75	13	6	5.8	-	-	9.0	900	12-3-1-3-1-3-3-1-2-1-3-4-1	1	-	-	-	-	12.10
08	37.9028	104.9657	2	12	0	C29448	04/10/75	13	6	4.2	-	-	8.2	900	9-1-1-3-1-2-2-1-2-1-3-4-1	1	-	-	-	-	38.80
08	37.9219	104.9397	2	12	0	C29449	04/10/75	14	6	8.2	-	-	8.0	800	10-1-4-3-4-3-3-1-2-1-3-3-4	1	-	-	-	-	4.00
08	37.9336	104.9272	2	14	0	C29450	04/13/75	13	7	15.2	-	-	8.3	130	12-1-1-6-8-1-3-2- -4-3-3-2	3	-	-	-	-	3.40
08	37.9531	104.9722	2	12	0	C29451	04/13/75	14	10	12.2	-	-	7.6	120	24-1-7-4-1-3-3-1-2-4-3-3-2	3	-	-	-	-	6.20
08	37.9656	104.9592	2	15	0	C29452	04/13/75	14	6	-	-	-	-	-	15-1-1-5-8- -1- -2-4-2-4-2	3	-	-	-	-	3.30
08	37.9719	104.9972	2	12	0	C29453	04/13/75	14	10	7.0	-	-	7.9	250	12-1-7-6-8-2-2-1-2-3-3-3-2	3	-	-	-	-	3.80
08	37.9864	104.9025	2	12	0	C29454	04/10/75	16	5	5.2	-	-	7.9	900	21-3-1-3-4-3-3-1-2-1-4-4-3	1	-	-	-	-	6.60
08	37.9494	104.9542	2	12	0	C29455	04/13/75	16	7	10.0	-	-	7.3	150	12-3-1-4-1-3-3-1-2-3-2-5-3	3	-	-	-	-	4.60
08	37.3797	105.3053	2	15	0	C29456	04/28/75	14	18	-	-	-	-	-	14-3-1-4-1- -1- -2-3-3-3-1	3	-	-	-	-	7.20
08	37.5106	105.3161	2	15	0	C29457	04/13/75	11	12	-	-	-	-	-	13-1-7-2-6- -1- -2-3-2-2-3	1	-	-	-	-	2.60
08	37.5156	105.3083	2	15	0	C29458	04/14/75	11	12	-	-	-	-	-	26-1-7-2-7- -1- -2-3-1-2-3	1	-	-	-	-	4.50
08	37.5164	105.3025	2	12	0	C29459	04/14/75	11	10	5.0	-	-	8.0	175	34-1-6-3-6-3-3-2-3-3-3-2-3	1	-	-	-	-	5.80
08	37.5333	105.2939	2	12	0	C29460	04/14/75	12	6	6.0	-	-	8.3	290	7-2-4-4-6-3-3-2-3-4-3-4-3	1	-	-	-	-	4.20
08	37.5522	105.2831	2	15	0	C29461	04/14/75	12	6		C	-	-	-	7-2-7-4-6-2-2-1-3-4-3-2-3	-	-	-	-	-	5.00
08	37.5619	105.2859	2	12	0	C29462	04/14/75	13	5	5.0	-	-	7.4	255	9-1-7-4-6-3-3-1-3-3-3-2-3	1	-	-	-	-	4.30
08	37.5600	105.2896	2	12	0	C29463	04/14/75	13	4	5.0	-	-	6.9	130	12-1-7-6-8-3-3-2-3-3-3-2-3	3	-	-	-	-	5.60
08	37.5803	105.2664	2	12	0	C29464	04/14/75	14	3	3.5	-	-	9.4	190	10-1-7-2-7-3-3-1-3-3-3-2-3	1	-	-	-	-	4.80
08	37.0764	105.0247	2	12	0	C29465	04/15/75	10	3	6.0	-	-	5.6	190	12-1-7-1-7-3-3-1-3-2-3-2-5	3	-	-	-	-	4.50
08	37.0550	105.0053	2	12	0	C29466	04/15/75	10	2	6.0	-	-	7.2	1300	12-1-3-5-6-2-2-1-3-4-3-2-3	3	-	-	-	-	3.50
08	37.7339	105.3950	2	12	0	C29467	04/15/75	14	4	10.0	-	-	7.6	320	4-3-6-4-6-3-3-1-3-2-3-2-2	3	-	-	-	-	3.80
08	37.7333	105.3967	2	12	0	C29468	04/15/75	14	5	9.5	-	-	7.4	355	6-3-7-5-6-3-3-5-3-2-3-2-3	3	-	-	-	-	3.40
08	37.7308	105.4896	2	12	0	C29469	04/15/75	14	1	2.0	-	-	7.2	120	1-4- -5-8-2-2-1-3-3-2-2-3	1	-	-	-	-	5.20
08	37.7306	105.4669	2	12	0	C29470	04/15/75	15	-	5.0	-	-	5.9	140	6-4- -3-8-2-2-1-3-3-2-2-3	1	-	-	-	-	4.30
08	37.7308	105.3981	2	12	0	C29471	04/15/75	15	4	10.0	-	-	5.8	270	18-3-7-4-9-3-3-3-3-2-2-2-2	3	-	-	-	-	4.10
08	37.7292	105.3975	2	15	0	C29472	04/15/75	15	3	-	-	-	-	-	12-2-7-4-5- -1- -3-4-1-2-2	3	-	-	-	-	3.50
08	37.7153	105.3994	2	12	0	C29473	04/15/75	15	4	13.0	-	-	9.5	450	9-3-7-4-6-3-2-4-3-3-2-2-2	3	-	-	-	-	3.10
08	37.7189	105.3775	2	12	0	C29474	04/15/75	16	4	13.0	-	-	7.6	320	9-3-1-5-6-3-3-4-3-4-2-2-2	3	-	-	-	-	3.70
08	37.6808	105.4275	2	14	0	C29475	04/15/75	16	1	4.5	-	-	7.2	230	9-1-1-5-8-1-2-1-1-4-3-1-2	1	-	-	-	-	3.60
08	37.6689	105.4444	2	97	0	C29476	04/15/75	18	-	2.0	-	-	8.4	200	6-2-7-6-8-3-2-2-2-2-3-3-2	1	-	-	-	-	4.60
08	37.6703	105.4236	2	13	0	C29477	04/15/75	18	-	8.5	-	-	7.2	200	3-2-7-4-8-2-2-2-3-2-3-2-2	3	-	-	-	-	3.40
08	37.6958	105.4099	2	14	0	C29478	04/16/75	13	7	7.0	-	-	7.6	250	7- -6-8-2-2-2-2-3-4-4-2-2	1	-	-	-	-	2.40
08	37.6572	105.4425	2	12	0	C29479	04/16/75	14	2	5.0	-	-	8.4	90	7-1-7-5-8-4-3-1-3-2-3-2-5	1	-	-	-	-	7.50
08	37.6739	105.4111	2	12	0	C29480	04/16/75	15	-	4.0	-	-	7.5	150	7-1-1-4-8-3-2-1-3-2-3-2-5	1	-	-	-	-	6.80
08	37.3750	105.3006	2	12	0	C29481	04/28/75	14	20	12.2	-	-	7.6	198	159-3-1-4-1-3-2-1-2-3-3-3-1	3	-	-	-	-	14.50
08	37.2533	105.3133	2	12	0	C29482	04/28/75	15	18	0.2	-	-	7.4	103	14-3-1-4-1-3-2-1-2-3-2-3-1	3	-	-	-	-	11.70
08	37.2506	105.3639	2	15	0	C29483	04/28/75	15	10	-	-	-	-	-	9-3-1-4-1- -1- -2-3-2-2-1	3	-	-	-	-	2.90
08	37.5622	104.9825	2	11	0	C29487	04/13/75	16	11	13.5	C	-	7.6	550	15-4- -5-6-3-3-1- -2-3-4-3	9	-	-	-	-	3.00
08	37.5317	104.9093	2	99	0	C29489	04/14/75	14	16		C	-	-	-	13-4- -5-6- -1- - -4-3-2-3	3	-	-	-	-	3.20
08	37.5144	104.9372	2	97	0	C29490	04/14/75	15	16	-	-	-	-	-	1-4- -5-6- -1- - -4-3-3-3	3	-	-	-	-	3.10
08	37.5356	104.9619	2	12	0	C29492	04/14/75	16	11	10.0	-	-	8.1	650	9-4- -5-6-3-3-2-1-2-3-2-3	1	-	-	-	-	4.00
08	37.5464	104.9392	2	12	0	C29493	04/14/75	17	10	9.0	-	-	8.2	1300	6-4- -4-6-2-2-2-1-2-2-2-3	1	-	-	-	-	2.30
08	37.5689	104.9108	2	12	0	C29495	04/14/75	17	7	8.5	-	-	8.4	1300	9-4- -4-6-2-2-1-1-4-3-2-2	3	-	-	-	-	2.80

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REPLICATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION, SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC), UNITS IN PPM
08-37.5644-104.9128-2-12-	0-C29496-04/14/76-17- 7-10.0- - - 9.3- 700- 9-4- -2-6-3-3-2-2-1-3-2-3- -3- - - - -	4.00
08-37.7575-105.2956-2-99-	0-C29498-04/15/76-12- 10- -C- - - - - 10-4- -5-6- - - - -3-2-3-3- -1- - - - -	3.90
08-37.7606-105.3464-2-11-	0-C29499-04/15/76-12- 15- 9.0-C- - 7.1- 350- 12-4- -4-6-3- -1- -3-2-3-2- -9- - - - -	2.80
08-37.7667-105.3231-2-12-	0-C29500-04/15/76-13- 14-12.0- - - 7.4- 700- 1-1-1-5-6-2-2-1-1-3-3-3-2- -3- - - - -	3.40
08-37.7700-105.3458-2-15-	0-C29502-04/15/76-13- 15- - - - - - 13-4- -3-6- -1- - -3-3-3-2- -3- - - - -	3.20
08-37.7756-105.2967-2-12-	0-C29503-04/15/76-14- 10-15.0- - - 8.0- 550- 13-1-1-4-6-2-2-6-1-3-3-3-2- -3- - - - -	6.60
08-37.8011-105.3053-2-12-	0-C29504-04/15/76-15- 12-13.0- - - 5.6- 500- 10-4- -4-6-2-2-1-1-1-3-2-2- -1- - - - -	4.80
08-37.8189-105.3353-2-12-	0-C29505-04/15/76-15- 17-12.0- - - 7.2- 270- 12-2-6-2-6-3-3-1-1-2-3-5-2- -1- - - - -	4.00
08-37.8331-105.3528-2-97-	0-C29506-04/16/76-11- 15- - - - - - 7-4- -5-6- -1- - -3-3-3-2- -3- - - - -	3.00
08-37.8408-105.3531-2-12-	0-C29507-04/16/76-11- 15-16.0- - - 9.0- 450- 15-1-4-3-6-2-2-1-1-1-3-3-2- -3- - - - -	4.70
08-37.8689-105.3194-2-97-	0-C29509-04/16/76-14- 3- - - - - - 18-4- -5-6- -1- - -1-3-3-5- -3- - - - -	2.60
08-37.8531-105.3133-2-15-	0-C29510-04/16/76-14- 5- - - - - - 15-4- -4-6- -1- - -1-3-3-3- -1- - - - -	3.50
08-37.8306-105.3075-2-12-	0-C29511-04/16/76-15- 5- 9.1- - - 8.8- 1250- 4-1-6-4-6-2-2-3-1-3-3-3-3- -3- - - - -	4.70
08-37.8278-105.2978-2-15-	0-C29512-04/16/76-16- 5- - - - - - 9-4- -4-6- -1- - -4-2-2-3- -3- - - - -	2.60
08-37.8167-105.2758-2-15-	0-C29513-04/16/76-16- 4- - - - - - 9-4- -4-6- -1- - -3-3-3-3- -3- - - - -	5.90
08-37.8136-105.2757-2-15-	0-C29514-04/16/76-16- 4- - - - - - 13-4- -4-6- -1- - -3-3-3-3- -3- - - - -	3.30
08-37.2731-105.3693-2-15-	0-C29515-04/28/76-15- 16- - - - - - 14-3-1-4-1- -1- -2-3-3-2-1- -3- - - - -	2.70
08-37.4592-105.3617-2-14-	0-C29516-04/28/76-16- 16-15.7- - - 5.3- 2170- 2-3-1-6-8-1-2-2- -4-3-2-1- -3- - - - -	3.20
08-37.9661-105.3942-2-12-	0-C29518-04/14/76-13- 13-11.8- - - 7.8- 152- 4-4- -3-6-2-2-1-2-4-2-3-3- -3- - - - -	4.60
08-37.9272-105.4372-2-11-	0-C29519-04/14/76-14- 7- 0.8- - - 7.8- 75- 6-4- -4-6-2-2-1-2-1-3-4-3- -3- - - - -	4.00
08-37.9361-105.4375-2-11-	0-C29520-04/14/76-14- 4- 3.1- - - 7.2- 37- 8-2-6-6-6-2-2-1-2-4-2-6-5- -3- - - - -	3.00
08-37.9178-105.4317-2-12-	0-C29521-04/14/76-14- 1- 1.8- - - 7.1- 39- 4-2-6-3-6-3-3-1-2-4-3-6-5- -3- - - - -	5.30
08-37.9294-105.3944-2-14-	0-C29522-04/14/76-16- 3- 6.8- - - 8.5- 79- 8-4- -5-6-2-3-2-2-3-2-3-5- -3- - - - -	3.30
08-37.9314-105.3778-2-14-	0-C29523-04/14/76-17- 2- 6.9- - - 7.9- 30- 8-4- -5-6-2-2-3-2-3-2-3-3- -3- - - - -	3.30
08-37.9953-105.4359-2-15-	0-C29524-04/15/76-11- 7- - - - - - 18-4- -5-6- -1- -3-4-3-3-3- -3- - - - -	4.50
08-37.9953-105.4344-2-12-	0-C29525-04/15/76-11- 7- 2.1-C- - 7.0- 145- 14-4- -3-6-3-2-1-2-4-3-3-3- -3- - - - -	6.10
08-37.9708-105.4744-2-12-	0-C29526-04/15/76-12- 4- 1.5- - - 7.0- 125- 4-2-6-2-6-3-3-1-2-1-3-6-3- -1- - - - -	4.20
08-37.9647-105.4514-2-12-	0-C29527-04/15/76-13- 0- 9.0- - - 9.0- 327- 8-4- -4-6-3-3-1-2-4-3-3-3- -3- - - - -	3.40
08-37.9461-105.4517-2-12-	0-C29528-04/15/76-13- 9- 2.5- - - 7.6- 110- 16-4- -3-6-3-3-1-2-4-3-3-2- -3- - - - -	4.60
08-37.9456-105.4506-2-12-	0-C29529-04/15/76-14- 13- 4.8- - - 7.6- 120- 14-4- -3-6-3-3-1-2-4-3-3-2- -3- - - - -	4.10
08-37.9044-105.3831-2-15-	0-C29530-04/15/76-15- 13- -C- - - - 10-4- -4-6- -1- -2-3-2-6-2- -3- - - - -	2.90
08-37.8961-105.4139-2-11-	0-C29531-04/15/76-16- 7- 6.9- - - 7.1- 245- 8-2-6-6-6-2-2-1-2-1-3-5-2- -3- - - - -	3.60
08-37.8892-105.3942-2-12-	0-C29532-04/15/76-16- 5- 3.3- - - 7.2- 75- 10-2-6-3-4-3-3-1-2-4-3-5-2- -3- - - - -	3.70
08-37.8758-105.4025-2-12-	0-C29533-04/15/76-17- 4- 2.5- - - 7.1- 110- 10-2-6-3-6-3-3-1-2-1-3-5-2- -3- - - - -	4.40
08-37.6819-104.9986-2-97-	0-C29534-04/15/76-18- 7- - - - - - 16-4- -4-6- -1- - -3-2-3-2- -3- - - - -	2.80
08-37.6819-104.9957-2-11-	0-C29535-04/15/76-19- 6- 5.2- - - 7.3- 3400- 8-4- -5-6-2-2-1-2-3-2-3-2- -3- - - - -	3.20
08-37.1144-105.2700-2-12-	0-C29536-04/16/76-13- 0- 7.0- - - 7.2- 80- 31-2-1-3-6-3-3-1-2-2-3-5-2- -3- - - - -	10.30
08-37.0872-105.2686-2-12-	0-C29537-04/16/76-14- 3- 1.9-C- - 7.4- 45- 21-2-6-2-6-3-3-1-2-6-3-5-2- -1- - - - -	20.60
08-37.0583-105.2744-2-12-	0-C29538-04/16/76-15- 4- 2.6- - - 7.6- 65- 21-2-6-2-6-3-3-1-2-1-3-5-3- -1- - - - -	27.70
08-37.1056-105.3719-2-12-	0-C29539-04/16/76-15- 3- 5.1- - - 7.7- 105- 12-4- -5-6-2-2-2-1-6-3-3-3- -3- - - - -	7.20
08-37.0806-105.3603-2-12-	0-C29540-04/16/76-17- 3- 6.2- - - 9.0- 240- 21-2-6-2-6-2-2-1-2-3-2-3-3- -3- - - - -	6.20
08-37.0722-105.3736-2-15-	0-C29541-04/16/76-17- 3- - - - - - 25-4- -3-6- -1- -3-3-1-3-3- -3- - - - -	4.00
08-37.0544-105.3928-2-15-	0-C29542-04/16/76-18- 3- - - - - - 16-4- -2-7- -1- -3-3-2-3-2- -3- - - - -	5.90
08-37.0064-105.4144-2-15-	0-C29543-04/16/76-18- 1- - - - - - 8-4- -4-6- -1- -3-3-2-3-3- -3- - - - -	11.40
08-37.0925-105.3833-2-15-	0-C29544-04/16/76-18- 1- - - - - - 16-4- -3-6- -1- -3-3-2-3-3- -3- - - - -	7.60
08-37.1233-105.3978-2-12-	0-C29545-04/17/76- 9- -4- 1.0- - - 5.7- 240- 16-4- -4-6-3-6-1-1-4-3-3-5- -3- - - - -	6.50
08-37.0797-105.3989-2-15-	0-C29546-04/17/76-11- -3- - - - - - 23-4- -4-6- -1- - -3-2-2-5- -3- - - - -	4.90
08-37.8853-105.3389-2-12-	0-C29547-04/14/76-10- 20- 0.0- - - 7.8- 160- 5-3-1-3-6-3-3-2-2-6-3-2-2- -3- - - - -	4.90
08-37.8814-105.3322-2-15-	0-C29548-04/14/76-11- 20- - - - - - 6-3-1-3-6- - - - -6-3-2-2- -3- - - - -	2.90
08-37.8883-105.3133-2-15-	0-C29549-04/14/76-12- 10- - - - - - 11-3-1-4-6- - - - -1-3-5-2- -1- - - - -	2.40
08-37.9922-105.3628-2-15-	0-C29550-04/14/76-13- 17- - - - - - 11-4- -4-1- - - -2-4-3-2-2- -3- - - - -	5.20

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE, LATITUDE, LONGITUDE, DOE LAB, SAMPLE TYPE, REF. DATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (UNITS IN PPM)
08-37.9964-105.3381-2-12-	0-C29552-04/14/75-14- 9- 9.0- - - 8.3- 179- 10-1-4-3-4-3-3-1-2-3-3-2-3- -3- - - - - -	3.10
08-37.9928-105.3375-2-15-	0-C29553-04/14/75-14- - - - - - - 17-1-4-4-1- - - -2-3-3-2-3- -3- - - - - -	3.60
08-37.9719-105.2650-2-13-	0-C29554-04/14/75-14- 9- 6.5- - - 7.8- 235- 8-1-1-5-6-2-4-1- -4-2-3-5- -3- - - - - -	3.10
08-37.9700-105.2642-2-15-	0-C29555-04/14/75-15- 6- - - - - - 10-1-4-4-4- - - -3-4-2-5- -3- - - - - -	3.30
08-37.9900-105.2772-2-12-	0-C29556-04/14/75-15- 5- 6.0- - - 8.4- 150- 17-1-4-3-4-3-3-1-2-4-3-5-5- -3- - - - - -	3.10
08-37.9719-105.3369-2-14-	0-C29557-04/14/75-13- 8- 7.8- - - 8.1- 100- 11-3-1-6-8-1-2-2- -4-3-2-5- -3- - - - - -	2.70
08-37.9742-105.3354-2-15-	0-C29558-04/14/75-15- 9- - - - - - 14-3-3-6-8- - - -4-3-2-5- -3- - - - - -	2.90
08-37.9714-105.3442-2-15-	0-C29559-04/14/75-17- 0- - - - - - 8-3-1-5-8- -1- -2-4-3-2-5- -3- - - - - -	3.70
08-37.9622-105.3239-2-15-	0-C29560-04/14/75-17- 6- - - - - - 5-4-1-5-8- -1- -2-3-3-3-3- -3- - - - - -	3.20
08-37.9044-105.3319-2-15-	0-C29563-04/14/75-18- 1- - - - - - 15-3-1-4-6- -1- -2-3-3-3-3- -3- - - - - -	3.20
08-37.9044-105.3353-2-12-	0-C29564-04/14/75-18- 2- 7.2- - - 8.2- 251- 5-3-1-4-8-2-3-2-2-4-3-2-3- -3- - - - - -	3.50
08-37.8983-105.3272-2-15-	0-C29565-04/14/75-18- 2- - - - - - 18-3-1-4-1- - - -2-3-3-2-3- -3- - - - - -	2.90
08-37.8978-105.3325-2-12-	0-C29566-04/14/75-18- 2- 9.0- - - 8.5- 272- 2-3-1-5-8-2-2-1-2-3-3-2-3- -3- - - - - -	2.90
08-37.2106-105.0206-2-12-	0-C29567-04/15/75- - 1- 3.2- - - 8.8- 240- 8-1-4-2-6-3-3-1-2-3-3-2-5- -3- - - - - -	4.00
08-37.2078-105.0000-2-12-	0-C29568-04/15/75-10- 6- 2.8- - - 5.8- 250- 11-3-7-5-8-3-3-1-2-4-3-3-5- -3- - - - - -	4.60
08-37.1975-104.9731-2-12-	0-C29569-04/15/75-10- 3- 3.6- - - 5.0- 279- 41-3-1-2-1-3-3-1-2-4-3-3-5- -3- - - - - -	4.40
08-37.2303-104.9953-2-12-	0-C29571-04/15/75-11- 9- 4.2- - - 5.7- 195- 8-3-1-3-1-3-3-1-2-4-3-4-3- -3- - - - - -	4.80
08-37.2303-104.9933-2-12-	0-C29572-04/15/75-10- 9- 6.2- - - 5.5- 2000- 5-3-1-3-1-3-3-1-2-4-3-4-3- -3- - - - - -	3.70
08-37.1625-104.9433-2-12-	0-C29573-04/15/75-12- 7- 5.4- - - 5.4- 288- 16-3-7-2-7-3-3-2-2-3-3-3-3- -3- - - - - -	5.90
08-37.1706-104.9542-2-15-	0-C29574-04/15/75-12- 10- - - - - - 10-3-1-4-1- -1- -2-4-3-4-3- -3- - - - - -	5.00
08-37.1803-104.9281-2-11-	0-C29575-04/15/75-13- 13-11.0- - - 5.5- 5010- 8-3-1-5-8-1-2-1- -4-3-3-2- -3- - - - - -	5.90
08-37.1556-104.9203-2-15-	0-C29576-04/15/75-13- 13- - - - - - 4-3-1-4-1- -1- -2-3-3-3-2- -3- - - - - -	4.20
08-37.1950-104.8842-2-11-	0-C29577-04/15/75-14- 11-13.0- - - 5.9- 5500- 8-3-7-5-7-1-2-1- -4-2-4-2- -3- - - - - -	4.90
08-37.1975-104.8775-2-12-	0-C29578-04/15/75-15- 9-11.5- - - 5.9- 5200- 7-3-1-4-6-2-2-1-2-4-3-4-2- -3- - - - - -	3.90
08-37.2044-104.8836-2-15-	0-C29579-04/15/75-15- 11- - - - - - 7-3-1-4-1- -1- -2-1-3-4-2- -3- - - - - -	4.90
08-37.2039-104.8861-2-15-	0-C29580-04/15/75-15- 11- - - - - - 9-3-1-4-1- -1- -2-1-3-4-2- -3- - - - - -	5.00
08-37.2442-104.8956-2-96-	0-C29581-04/15/75-15- 12- - - - - - 11-3-1-4-7- -1- - -4-3-4-2- -3- - - - - -	3.80
08-37.2339-104.8019-2-13-	0-C29582-04/15/75-16- 9-12.2- - - 5.2- 422- 4-3-1-4-6-1-3-2-2-4-3-2-2- -3- - - - - -	4.80
08-37.2317-104.9214-2-15-	0-C29583-04/15/75-16- 12- - - - - - 4-3-1-4-1- -1- -2-1-3-4-2- -3- - - - - -	3.10
08-37.2303-104.9208-2-15-	0-C29584-04/15/75-16- 13- - - - - - 4-1-1-4-1- -1- -2-1-3-4-2- -3- - - - - -	5.50
08-37.2444-104.9450-2-11-	0-C29585-04/15/75-16- 10- 2.9- - - 5.3- 391- 5-1-1-4-1-1-3-1- -1-3-4-2- -3- - - - - -	4.90
08-37.2467-104.9533-2-12-	0-C29586-04/15/75-16- 10- 9.4- - - 5.1- 238- 5-1-1-4-1-2-2-1-1-1-3-4-2- -3- - - - - -	4.70
08-37.2389-105.0517-2-12-	0-C29587-04/16/75-10- 5- 1.2- - - 7.9- 155- 10-1-4-4-2-2-2-1-2-2-3-3-2- -3- - - - - -	3.90
08-37.2494-105.1050-2-12-	0-C29588-04/16/75-10- 3- 2.5- - - 8.0- 125- 4-1-4-3-4-4-3-1-2-2-3-4-5- -1- - - - - -	4.50
08-37.2500-105.1042-2-12-	0-C29589-04/16/75-10- 3- 2.5- - - 8.0- 132- 11-1-4-3-4-4-3-1-2-2-3-4-5- -1- - - - - -	6.00
08-37.2061-105.0500-2-12-	0-C29591-04/16/75-11- 5- 2.0- - - 7.8- 142- 5-3-7-3-1-3-2-1-2-1-3-3-2- -1- - - - - -	6.50
08-37.2003-105.0481-2-13-	0-C29592-04/16/75- - 9- 6.5- - - 7.0- 202- 9-3-1-6-6-1-3-2- -1-3-3-2- -1- - - - - -	4.80
08-37.1564-105.0414-2-12-	0-C29593-04/16/75-11- 6- 6.0- - - 9.2- [illegible]- 11-3-1-3-1-3-3-1-2-4-3-3-2- -1- - - - - -	8.20
08-37.1522-105.0450-2-12-	0-C29594-04/16/75-12- 9- 7.2- - - 7.8- 170- 10-3-5-3-5-3-3-1-2-4-3-2-2- -3- - - - - -	5.20
08-37.1383-105.0494-2-12-	0-C29595-04/16/75-12- 3- 6.8- - - 7.7- 127- 5-3-1-4-1-3-3-1-2-2-3-3-2- -1- - - - - -	5.50
08-37.1661-105.1019-2-11-	0-C29596-04/16/75-14- 6- 2.8- - - 7.3- 152- 14-3-1-3-6-2-2-1-2-4-3-3-2- -3- - - - - -	5.20
08-37.0444-105.4153-2-15-	0-C29597-04/17/75-11- -3- - - - - - 14-4- -4-6- -1- -1-3-2-2-5- -3- - - - - -	6.80
08-37.0464-105.4228-2-14-	0-C29598-04/17/75-12- -2- 3.9- - - 7.7- 270- 12-4- -5-6-2-3-2- -3-2-2-5- -3- - - - - -	5.10
08-37.0197-105.4236-2-15-	0-C29599-04/17/75-12- -2- - - - - - 18-4- -4-6- -1- -3-3-2-3-5- -3- - - - - -	6.60
08-37.0039-105.4754-2-15-	0-C29600-04/17/75-14- -1- - - - - - 14-2-0-4-6- -1- -2-3-2-4-5- -3- - - - - -	2.90
08-37.0042-105.4778-2-15-	0-C29601-04/17/75-15- -2- - - - - - 12-3-0-4-6- -1- -2-3-2-4-5- -3- - - - - -	3.10
08-37.1756-105.3159-2-12-	0-C29602-04/17/75-16- -2- 3.9- - - 8.6- 364- 21-2-6-5-6-2-3-2-2-3-2-4-5- -3- - - - - -	3.90
08-37.1736-105.2825-2-12-	0-C29603-04/17/75-17- -3- 1.9- - - 7.7- 280- 8-2-4-3-6-2-2-1-2-3-2-4-5- -3- - - - - -	6.80
08-37.1258-105.1039-2-12-	0-C29605-04/16/75-15- 5- 4.6- - - 7.7- 122- 7-1-4-3-4-3-3-1-2-1-3-4-5- -1- - - - - -	10.10
08-37.1311-105.0481-2-12-	0-C29606-04/16/75-15- 4- 7.2- - - 7.8- 122- 4-3-1-3-4-3-3-1-2-4-3-2-2- -3- - - - - -	5.30
08-37.1325-105.0508-2-15-	0-C29607-04/16/75-15- 9- - - - - - 8-3-1-5-8- -1- - -4-3-2-2- -3- - - - - -	3.90

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	pH	SPECIFIC CONDUCTANCE	FIELD DATA CODES	U CONCENTRATION, SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC), UNITS IN ppm
08	37.1533	105.0047	2	12	0-C29608	04/18/75	9	2	4.0	- -	7.1	439	2-3-7-4-1-2-2-1-2-4-4-3-3- -3- - - - -	5.30
08	37.1542	105.0044	2	12	0-C29609	04/18/75	9	2	4.0	- -	7.0	325	15-3-7-4-1-2-2-1-2-4-4-3-3- -3- - - - -	3.70
08	37.1486	104.9206	2	15	0-C29610	04/19/75	10	2	-	- -	-	-	17-3-2-4-7- -1- -2-4-2-4-3- -2- - - - -	5.30
08	37.1419	104.9439	2	15	0-C29611	04/19/75	10	4	-	- -	-	-	5-3-1-4-1- -1- -2-1-3-3-3- -2- - - - -	5.90
08	37.1394	104.9692	2	15	0-C29612	04/19/75	10	4	-	- -	-	-	- - - - - - - - - - - - - - - - -	4.50
08	37.1436	104.9033	2	15	0-C29614	04/19/75	11	11	-	- -	-	-	7-3-1-4-1- -1- -2-1-3-3-3- -2- - - - -	5.00
08	37.1683	104.8756	2	12	0-C29616	04/19/75	11	7	11.2	- -	8.0	555	11-3-1-4-1-2-2-2- -4-2-3-3- -2- - - - -	4.70
08	37.1186	105.0392	2	14	0-C29617	04/19/75	11	8	7.4	- -	8.5	555	11-3-1-4-7-1-3-2-1-4-3-2-3- -3- - - - -	4.20
08	37.0967	105.1172	2	13	0-C29618	04/19/75	15	2	1.2	- -	7.3	190	17-3-1-3-4-3-3-1-2-1-4-5-5- -1- - - - -	13.00
08	37.0750	105.1039	2	12	0-C29619	04/19/75	15	2	3.4	- -	7.4	120	7-3-3-3-3-3-3-1-2-1-4-5-5- -1- - - - -	9.10
08	37.0742	105.1022	2	12	0-C29620	04/19/75	16	4	5.3	- -	7.1	172	20-3-1-3-1-2-2-2-2-2-3-4-5- -3- - - - -	11.30
08	37.0775	105.0931	2	12	0-C29621	04/19/75	16	4	7.5	- -	7.1	127	8-3-1-4-8-1-3-4- -1-3-6-3- -3- - - - -	9.60
08	37.0750	105.0947	2	12	0-C29622	04/20/75	10	4	2.7	- -	8.0	137	11-1-1-3-1-3-3-1-2-1-3-4-2- -3- - - - -	6.30
08	37.0569	105.0847	2	13	0-C29623	04/20/75	10	5	9.4	- -	9.5	234	5-3-1-6-7-1-3-5- -1-3-6-2- -3- - - - -	4.00
08	37.0272	105.0031	2	12	0-C29624	04/20/75	10	11	11.8	- -	8.0	304	5-3-7-5-7-2-3-3-2-1-3-6-1- -3- - - - -	7.00
08	37.0106	105.0522	2	11	0-C29626	04/20/75	12	9	7.3	- -	7.6	293	7-3-1-5-4-2-2-1- -1-3-6-1- -3- - - - -	5.90
08	37.0242	104.9097	2	12	0-C29628	04/20/75	14	15	19.7	- -	7.2	298	14-3-1-4-6-2-2-2-2-1-3-6-1- -3- - - - -	6.40
08	37.0511	104.9957	2	12	0-C29629	04/20/75	14		16.2	- -	5.9	279	8-1-7-5-1-2-3-1-2-2-2-6-1- -3- - - - -	7.70
08	37.0597	104.9861	2	12	0-C29630	04/20/75	14		16.3	- -	7.4	300	8-3-1-6-1-3-3-1-2-1-3-6-1- -3- - - - -	4.80
08	37.0681	104.9675	2	15	0-C29631	04/20/75	15	16	-	- -	-	-	8-3-1-4-1- -1- -2-1-3-6-1- -2- - - - -	5.20
08	37.0667	104.9290	2	15	0-C29632	04/20/75	15	14	-	- -	-	-	7-1-1-6-1- -1- -2-1-3-4-1- -2- - - - -	5.30
08	37.4872	105.3422	2	15	0-C29633	04/28/75	16	15	-	- -	-	-	11-3-1-4-1- -1- -2-3-3-3-2- -3- - - - -	5.10
08	37.0761	104.9051	2	15	0-C29634	04/20/75	15	13	-	- -	-	-	10-3-1-4-1- -1- -2-3-2-3-1- -2- - - - -	5.40
08	37.0936	104.8828	2	15	0-C29635	04/20/75	15	13	-	- -	-	-	11-1-1-4-1- -1- -2-3-2-3-1- -2- - - - -	5.30
08	37.0156	104.9692	2	12	0-C29637	04/21/75	11	19	12.8	- -	7.6	298	5-3-1-6-8-2-2-2-2-1-3-6-1- -3- - - - -	3.70
08	37.0092	104.9619	2	11	0-C29638	04/21/75	11	10	16.0	- -	8.3	329	0-3-1-4-6-2-2-2-2-1-3-6-1- -3- - - - -	3.80
08	37.0017	104.9439	2	12	0-C29639	04/21/75	11	16	17.8	- -	9.5	355	4-3-1-4-7-2-2-1-2-1-3-6-1- -3- - - - -	4.30
08	37.0292	104.9000	2	11	0-C29640	04/21/75	13	21	20.0	- -	7.7	398	17-3-1-6-9-1-2-2- -1-3-6-1- -3- - - - -	5.60
08	37.0303	104.8975	2	15	0-C29641	04/21/75	13	21	-	- -	-	-	17-3-1-6-8-1-2-2- -1-3-6-1- -3- - - - -	6.20
08	37.1103	104.8951	2	15	0-C29643	04/21/75	15	19	-	- -	-	-	2-3-1-4-1- -1- -2-3-3-6-1- -3- - - - -	5.10
08	37.1075	104.9911	2	15	0-C29644	04/21/75	15	19	-	- -	-	-	10-3-1-4-1- -1- -2-1-4-4-2- -3- - - - -	5.30
08	37.3511	105.1053	2	12	0-C29645	04/22/75	10	7	2.2	- -	7.3	190	7-3-1-4-1-3-3-1-2-1-3-6-2- -1- - - - -	5.30
08	37.3403	105.0928	2	12	0-C29646	04/22/75	10	3	4.2	- -	7.9	290	5-3-1-4-1-3-3-1-2-1-3-3-2- -8- - - - -	4.70
08	37.3000	105.0533	2	12	0-C29647	04/22/75	10	7	4.1	- -	8.0	130	5-3-1-6-7-3-3-2-2-1-3-3-2- -3- - - - -	4.30
08	37.2983	105.0503	2	12	0-C29648	04/22/75	11	6	3.2	- -	7.2	93	9-3-1-4-1-2-3-1-2-1-3-6-2- -3- - - - -	4.60
08	37.2939	105.0475	2	12	0-C29649	04/22/75	11	6	7.0	- -	7.1	157	8-3-1-4-1-2-2-1-2-1-3-3-2- -3- - - - -	4.40
08	37.2822	105.0356	2	15	0-C29650	04/22/75	11	6	-	- -	-	-	11-3-1-6-8- -1- -2-1-3-6-2- -3- - - - -	4.20
08	37.2769	105.0294	2	12	0-C29651	04/22/75	11	10	6.0	- -	8.3	150	11-3-1-6-8-3-3-2-2-1-3-4-2- -3- - - - -	3.60
08	37.2650	105.0153	2	12	0-C29652	04/22/75	11	10	11.2	- -	8.4	192	8-3-1-6-8-3-3-1-2-1-3-4-2- -3- - - - -	4.40
08	37.2675	105.1181	2	12	0-C29653	04/22/75	11	11	6.1	- -	8.2	120	8-3-1-3-4-3-3-1-2-1-3-6-2- -8- - - - -	6.20
08	37.8272	105.4500	2	12	0-C29654	07/22/75	12	19	14.0	- -	7.2	50	12-2-1-2-1-3-3-1-1-2-3-5-2- -8- - - - -	3.50
08	37.8528	105.4392	2	12	0-C29655	07/22/75	12	17	13.0	- -	5.5	55	12-2-1-2-1-3-3-1-1-2-3-5-3- -8- - - - -	3.90
08	37.8539	105.4389	2	12	0-C29656	07/22/75	13	17	13.0	- -	7.5	49	10-2-1-4-6-3-3-1-1-2-3-5-3- -8- - - - -	3.30
08	37.8217	105.4906	2	15	0-C29657	07/22/75	14	20	-	- -	-	-	12-2-1-4-1- -1- -2-3-2-3-2- -8- - - - -	2.70
08	37.5050	105.4619	2	15	0-C29658	07/23/75	11	19	-	- -	-	-	8-2-1-4-6- -1- -2-4-3-3-2- -8- - - - -	5.20
08	37.5022	105.4917	2	12	0-C29659	07/23/75	11	19	15.0	- -	8.3	210	10-2-1-4-6-3-3-1-2-4-3-3-2- -8- - - - -	2.80
08	37.5108	105.4922	2	12	0-C29660	07/23/75	12	19	13.0	- -	5.6	70	12-2-1-4-6-2-3-1-1-2-3-3-2- -1- - - - -	5.00
08	37.5083	105.4078	2	15	0-C29661	07/23/75	12	19	-	- -	-	-	0-2-1-4-6- -1- -2-4-3-3-2- -1- - - - -	3.30
08	37.5117	105.4247	2	11	0-C29662	07/23/75	13	21	11.0	C -	5.0	65	6-2-1-5-8-2-3-1-1-2-3-3-2- -3- - - - -	4.30
08	37.5636	105.4392	2	12	0-C29663	07/23/75	13	19	9.0	- -	8.2	40	12-2-1-1-1-4-4-1-1-1-3-5-2- -1- - - - -	10.40
08	37.5058	105.3908	2	15	0-C29664	07/23/75	14	22	-	- -	-	-	16-2-1-5-6- -1- -1-4-3-6-2- -3- - - - -	3.20

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (STATE-LATITUDE-LONGITUDE-DOE LAB-SAMPLE TYPE-REP. DATE)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA	U CONCENTRATION SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING DNC UNITS IN ppm
08-37.5247-105.3906-2-12-	0-C29665-07/23/75-15- 22-15.0- - - 7.2- 55- 16-2-1-1-1-4-4-1-1-2-3-6-2- -3- - - - -	5.70
08-37.5386-105.3833-2-14-	0-C29666-07/23/75-14- 20-16.0- - - 7.3- 65- 10-2-1-5-6-3-3-1- -1-3-4-2- -3- - - - -	6.70
08-37.5575-105.3850-2-12-	0-C29667-07/23/75-15- 19-13.0- - - 5.4- 85- 12-2-1-2-1-4-6-1-1-1-3-4-2- -3- - - - -	7.80
08-37.5667-105.3831-2-12-	0-C29668-07/23/75-15- 20-14.0- - - 8.0- 55- 10-2-1-1-1-4-4-1-1-1-3-4-2- -3- - - - -	6.60
08-37.5675-105.3817-2-12-	0-C29669-07/23/75-15- 20-17.0- - - 7.4- 55- 10-2-1-2-1-3-3-1-1-2-3-4-2- -3- - - - -	6.00
08-37.5006-105.3958-2-12-	0-C29670-07/23/75-15- 21-18.0- - - 7.9- 65- 18-2-1-2-1-4-4-1-1-2-3-4-2- -3- - - - -	6.00
08-37.6208-105.4711-2-12-	0-C29671-07/24/75-12- 16- 6.0-C- - 5.2- 65- 8-2-7-2-7-4-4-1-1-4-4-5-4- -8- - - - -	5.80
08-37.9475-105.6000-2-12-	0-C29672-07/24/75-19- 17- 0.0-C- - 8.1- 50- 25-2-7-1-7-4-4-1-1-2-4-4-3- -8- - - - -	45.90
08-37.9217-105.5728-2-12-	0-C29673-07/25/75-12- 14- 9.0- - - 8.2- 55- 12-2-7-1-7-4-3-1-1-2-4-5-3- -8- - - - -	12.30
08-37.9017-105.6054-2-12-	0-C29674-07/25/75-13- 18-11.0- - - 7.9- 55- 12-2-1-2-1-3-3-1-1-2-4-6-2- -3- - - - -	5.80
08-37.9481-105.5350-2-11-	0-C29675-07/26/75-13- 17- 7.0- - - 8.3- 30- 18-2-7-1-7-3-3-1-1-3-4-5-3- -3- - - - -	16.70
08-37.9406-105.5283-2-11-	0-C29677-07/26/75-15- 17-11.0- - - 7.2- 110- 18-2-7-6-8-1-3-5-1-1-2-5-4- -8- - - - -	751.90
08-37.9186-105.5042-2-12-	0-C29678-07/26/75-15- 17-11.0- - - 7.4- 35- 12-2-7-1-7-4-6-1-1-1-3-5-3- -8- - - - -	20.40
08-37.8892-105.5025-2-12-	0-C29679-07/26/75-16- 17-11.0- - - 8.2- 40- 8-2-7-1-7-4-4-1-1-1-2-5-4- -3- - - - -	15.90
08-37.9308-105.5106-2-11-	0-C29680-07/26/75-15- 17- 6.0- - - 7.8- 170- 12-2-7-2-7-2-3-1-1-3-2-5-4- -3- - - - -	6.50
08-37.9764-105.5051-2-12-	0-C29681-07/26/75-17- 13- 0.0- - - 8.3- 70- 40-2-4-1-4-4-4-2-1-1-4-5-3- -8- - - - -	9.00
08-37.9639-105.5458-2-12-	0-C29682-07/26/75-17- 0- 8.2- - - 7.7- 50- 16-2-4-1-4-4-4-4-1-2-4-5-4- -8- - - - -	13.60
08-37.4961-105.3336-2-15-	0-C29691-04/28/75-15- 15- - - - - - 5-3-1-4-1- -1- -2-4-3-2-1- -3- - - - -	2.90
08-37.9167-105.0019-2-12-	0-C29713-05/11/75-15- 14- 5.0- - - 5.5- 510- 9-3-7-9-3-3-3-1-9-1-3-5-2- -1- - - - -	7.60
08-37.9675-105.0191-2-12-	0-C29714-05/11/75-16- 15-10.2- - - 5.1- 720- 4-2-7-1-7-3-3-2-1-1-3-5-3- -3- - - - -	6.00
08-37.9744-105.0844-2-12-	0-C29715-05/12/75-10- 6- 1.2-C- - 5.8- 525- 3-3-7-1-7-4-4-1-2-1-4-5-2- -9- - - - -	5.00
08-37.9761-105.0847-2-12-	0-C29716-05/12/75-10- 6- 1.2-C- - 5.9- 530- 6-3-7-1-3-4-4-1-2-1-4-5-2- -9- - - - -	5.00
08-37.8850-105.0014-2-12-	0-C29717-05/12/75-15- 13- 7.8- - - 5.3- 190- 12-3-3-2-3-3-4-1-2-1-5-5-2- -1- - - - -	3.50
08-37.2514-105.0353-2-12-	0-C29718-04/22/75-14- 10-13.0- - - 8.7- 490- 11-3-1-4-7-3-2-1-2-3-2-3-2- -3- - - - -	4.70
08-37.3461-105.0892-2-12-	0-C29719-04/22/75-14- 11-10.5- - - 9.8- 360- 8-3-1-4-7-3-3-1-2-1-3-3-2- -3- - - - -	4.40
08-37.6717-104.9931-2-11-	0-C29720-04/26/75-11- 21-11.4- - - 5.8- 6500- 8-3-1-4-1-2-3-1- -3-2-2-1- -3- - - - -	2.40
08-37.6389-104.9942-2-15-	0-C29721-04/26/75-11- 21- -C- - - - 8-3-1-4-1- -1- -2-3-2-2-1- -3- - - - -	5.30
08-37.3264-104.8853-2-12-	0-C29723-04/26/75-10- 17- 0.7- - - 7.2- 258- 17-3-1-5-7-3-3-2-2-3-3-3-1- -3- - - - -	5.10
08-37.3081-104.9378-2-12-	0-C29724-04/26/75-11- 14-14.8- - - 7.2- 195- 5-3-1-4-1-2-2-1-1-1-4-4-2- -3- - - - -	2.80
08-37.3775-104.8817-2-11-	0-C29725-04/26/75-10- 15-10.2- - - 5.3- 125- 8-3-1-5-8-2-3-2-2-3-3-3-1- -3- - - - -	4.60
08-37.3758-104.8819-2-12-	0-C29726-04/26/75-11- 16- 8.8- - - 5.2- 108- 14-3-1-6-8-2-3-2-2-3-3-3-1- -3- - - - -	5.10
08-37.3561-104.9150-2-12-	0-C29727-04/26/75-10- 15- 5.2- - - 7.7- 100- 11-3-1-4-7-3-3-1-2-1-3-3-1- -3- - - - -	3.90
08-37.3278-104.9506-2-12-	0-C29730-04/26/75-12- 14-10.8- - - 5.4- 600- 5-3-1-4-1-3-3-1-2-6-3-4-1- -3- - - - -	5.30
08-37.3269-104.9456-2-12-	0-C29731-04/26/75-12- 14- 9.0- - - 5.8- 77- 14-3-1-4-1-3-3-1-2-1-3-4-1- -3- - - - -	4.90
08-37.3000-104.9631-2-13-	0-C29734-04/26/75-15- 14-13.8- - - 7.1- 172- 14-3-1-5-8-1-3-4- -1-3-3-1- -3- - - - -	7.20
08-37.2903-104.9731-2-14-	0-C29736-04/26/75-15- 14-15.0- - - 9.3- 125- 14-3-1-6-8-1-3-4- -4-3-4-2- -3- - - - -	8.10
08-37.2750-104.9467-2-13-	0-C29737-04/26/75-17- 15-14.0- - - 9.0- 420- 8-3-1-6-8-1-2-2-2-4-3-3-1- -3- - - - -	6.40
08-37.2669-104.9781-2-14-	0-C29738-04/26/75-16- 8-14.3- - - 8.3- 228- 8-3-1-4-1-1-3-3-2-1-3-3-1- -3- - - - -	9.30
08-37.2564-104.9064-2-15-	0-C29740-04/26/75-18- 12- - - - - - 11-3-1-4-1- -1- -2-1-3-3-2- -3- - - - -	8.60
08-37.2575-104.9050-2-15-	0-C29741-04/26/75-18- 12- - - - - - 11-3-1-4-1- -1- -2-1-3-3-2- -3- - - - -	5.60
08-37.2956-104.8847-2-12-	0-C29742-04/26/75-18- 11-12.8- - - 7.8- 408- 5-3-1-3-1-2-2-1-2-3-3-3-2- -3- - - - -	5.50
08-37.2942-104.8864-2-12-	0-C29743-04/26/75-18- 11-11.0- - - 8.2- 320- 5-3-1-6-8-2-2-1-2-3-3-3-2- -3- - - - -	5.30
08-37.3247-104.8051-2-97-	0-C29744-04/26/75-18- 11- - - - - - 31-3-1-5-8- -1- - -4-3-3-2- -3- - - - -	5.50
08-37.5150-105.3019-2-12-	0-C29745-04/27/75-11- 11- 7.6- - - 8.6- 303- 27-3-1-4-1-3-3-1-2-1-3-4-2- -3- - - - -	3.90
08-37.5144-105.2919-2-15-	0-C29746-04/27/75-11- 11- - - - - - 10-3-1-4-1- -1- -2-3-3-3-2- -3- - - - -	2.70
08-37.5169-105.2759-2-15-	0-C29747-04/27/75-11- 11- - - - - - 10-3-1-4-1- -1- -2-4-3-3-2- -3- - - - -	5.20
08-37.5217-105.2744-2-12-	0-C29748-04/27/75-11- 11- 8.2- - - 8.9- 275- 5-3-1-3-8-3-3-2-2-4-3-3-2- -3- - - - -	4.30
08-37.5231-105.2578-2-12-	0-C29749-04/27/75-11- 11- 6.5- - - 8.8- 250- 27-3-1-4-1-3-3-2-2-4-3-3-2- -3- - - - -	3.90
08-37.5211-105.2322-2-12-	0-C29750-04/27/75-12- 12- 6.9- - - 8.4- 250- 11-3-1-5-6-3-3-2-2-3-3-3-3- -3- - - - -	4.20
08-37.5197-105.2122-2-12-	0-C29751-04/27/75-12- 10- 7.5- - - 5.8- 148- 8-3-1-5-8-3-3-1-2-1-3-4-1- -3- - - - -	6.40
08-37.5139-105.2131-2-12-	0-C29752-04/27/75-12- 11- 6.8- - - 5.3- 323- 8-3-1-4-1-3-3-1-2-1-3-4-1- -3- - - - -	3.90

APPENDIX C (continued). Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER (State–Latitude–Longitude–DOE Lab–Sample Type–Replicate)	LASL SAMPLE LOCATION NUMBER AND FIELD DATA (LASL Sample Location Number–Date–Hour–Air Temperature–Water Temperature–Comments–Special Measurements–pH–Specific Conductance–…)	U CONCENTRATION: SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING DNC, UNITS IN ppm
08-37.5147-105.2114-2-12-	0-C29753-04/27/75-12- 11- 6.9- - - 5.8- 140- 2-3-1-4-1-3-3-1-2-1-3-4-1- -3- - - - -	4.80
08-37.5531-105.2036-2-11-	0-C29754-04/27/75-13- 10-13.7- - - 7.5- 310- 17-3-1-4-1-2-2-1-2-4-3-4-2- -3- - - - -	4.30
08-37.5472-105.2122-2-12-	0-C29755-04/27/75-13- 10-11.5- - - 7.6- 337- 10-3-1-4-1-3-3-2-2-3-3-4-2- -3- - - - -	4.20
08-37.3953-105.3314-2-12-	0-C29756-04/28/75-10- 10- - - - - - 11-3-1-4-1- -1- -2-3-2-2-1- -3- - - - -	3.80
08-37.4150-105.3183-2-11-	0-C29757-04/29/75-10- 13- 3.9- - - 5.7- 332- 8-3-1-6-8-2-2-2-2-3-3-3-1- -3- - - - -	4.10
08-37.4597-105.2953-2-12-	0-C29758-04/28/75-11- 11- 6.0- - - 7.4- 252- 18-3-1-4-1-3-3-1-2-3-3-2-1- -3- - - - -	4.40
08-37.4786-105.2606-2-12-	0-C29759-04/29/75-11- 14- 6.9- - - 5.2- 173- 5-3-1-4-1-3-3-1-2-3-3-3-1- -3- - - - -	8.10
08-37.4531-105.2856-2-15-	0-C29760-04/29/75-11- 14- - - - - - 14-3-1-4-1- -1- -2-1-3-3-1- -3- - - - -	5.20
08-37.4475-105.2072-2-15-	0-C29761-04/29/75-11- 12- - - - - - 14-3-1-5-6-3-3-1-2-1-3-3-1- -3- - - - -	5.70
08-37.4461-105.2778-2-12-	0-C29762-04/28/75-11- 12- 9.3- - - 5.8- 234- 14-3-1-5-6-3-3-1-2-1-3-3-1- -3- - - - -	4.50
08-37.4414-105.2586-2-12-	0-C29763-04/28/75-11- 14- 9.9- - - 5.9- 217- 5-3-1-6-6-3-3-1-2-1-3-3-1- -3- - - - -	4.60
08-37.4394-105.2559-2-12-	0-C29764-04/29/75-11- 14- 7.2- - - 5.7- 208- 18-3-1-6-7-2-2-1-2-1-3-3-1- -3- - - - -	4.20
08-37.3747-105.2942-2-12-	0-C29765-04/28/75-12- 15- 6.4- - - 7.1- 107- 10-3-1-4-7-3-3-1-2-2-3-3-1- -3- - - - -	7.10
08-37.3797-105.2642-2-12-	0-C29766-04/28/75-13- 14- 6.8- - - 5.8- 100- 8-3-1-4-1-3-2-1-2-1-3-3-1- -3- - - - -	9.20
08-37.3803-105.2650-2-12-	0-C29767-04/28/75-13- 18- 7.4- - - 5.2- 85- 5-3-1-4-1-3-2-1-2-1-3-4-1- -3- - - - -	20.50
08-37.4578-105.2942-2-12-	0-C29768-07/16/75-12- 25-20.0- - - 9.3- 270- 8-2-7-3-6-2-3-2-1-4-4-3-2- -3- - - - -	5.40

APPENDIX D

CODE TO DATA LISTINGS

Appendix D-I

Explanation of Codes Used

Appendix D-II

Key to Sample Types

APPENDIX D-I
EXPLANATION OF CODES USED

DOE SAMPLE NUMBER

STATE: A two-digit Federal Information Processing Standards (FIPS) code, designating the state from which each sample came. For the states being covered 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," Appendix D-II.

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 smaller sequential numbers representing earlier samples back to 000, 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 000.

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 that 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 that was measured in the shade at the time of sampling, to the nearest whole degree Celsius (°C).

WATER TEMPERATURE: The temperature that was measured in the sample water (in situ whenever possible) at the time of sampling, to the nearest one-tenth of a degree Celsius (0.1°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, that was measured in the water at the sample location at the time of sampling.

SPECIFIC CONDUCTANCE: The conductivity, in µmho/cm, that was 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: When shown, the single digit here gives a broad classification of administrative responsibility or general ownership of the land at the sample location, as given below.

1 = Federal	3 = Private	5 = Other
2 = State	4 = Indian	

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 a delayed-neutron counting method, while those without an asterisk were determined fluorometrically. The uranium analyses as determined by both of these methods at the LASL are directly comparable, as described in Appendix A.

APPENDIX D-II

KEY TO SAMPLE TYPES

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 or stream or dry stream, etc.); (b) The sample medium (water or sediment, etc.); 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 appropriate 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
01 -	Spring water sample untreated.
02 -	Stream water sample untreated.
03 -	Well water sample untreated.
04 -	Natural pond water sample untreated.
05 -	Artificial pond water sample untreated.
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).
09 -	Natural pond water sample filtered through a 0.45-μ membrane filter and acidified to a pH of ≤1 with reagent-grade nitric acid (HNO_3).
10 -	Artificial pond 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.

13 - Wet natural pond sediment sample dried at $\leq$100°C and sieved to -100 mesh through stainless steel sieves.

14 - Wet artificial pond sediment sample dried at $\leq$100°C and sieved to -100 mesh through stainless steel sieves.

15 - Dry stream sediment sample dried at $\leq$100°C (if necessary) and sieved to -100 mesh through stainless steel sieves.

96 - Dry natural pond sediment sample dried at $\leq$100°C (if necessary) and sieved to -100 mesh through stainless steel sieves.

97 - Dry artificial pond sediment sample dried at $\leq$100°C (if necessary) and sieved to -100 mesh through stainless steel sieves.

98 - Other water

99 - Other sediment

These key numbers are to be used only for water (98) or sediment (99) samples coming from a special source and/or given a special treatment not described for any of the types of samples above. In this report, the 12 other sediments (99) are all dry spring sediment samples dried at $\leq$100°C (if necessary) and sieved to -100 mesh through stainless steel sieves.

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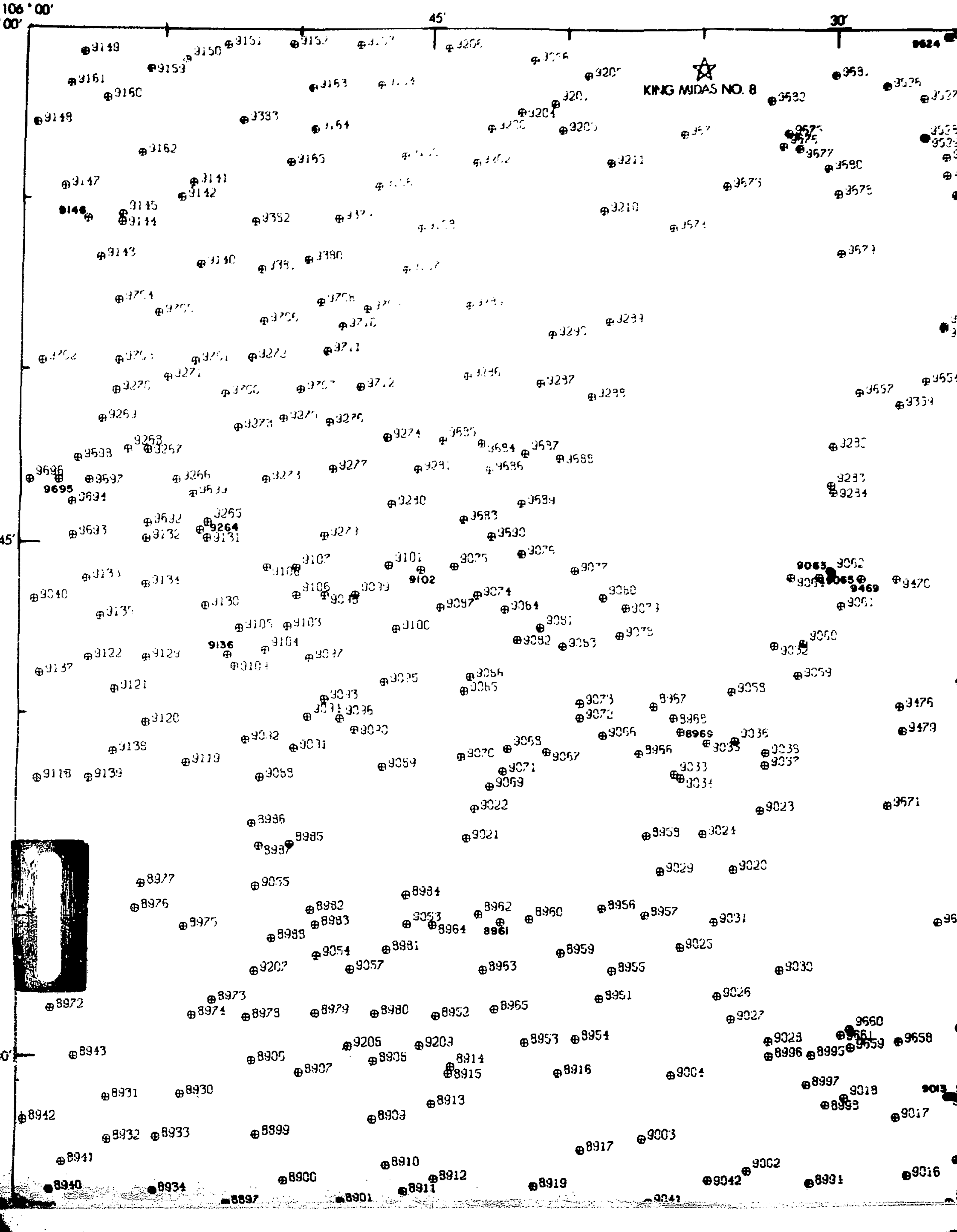

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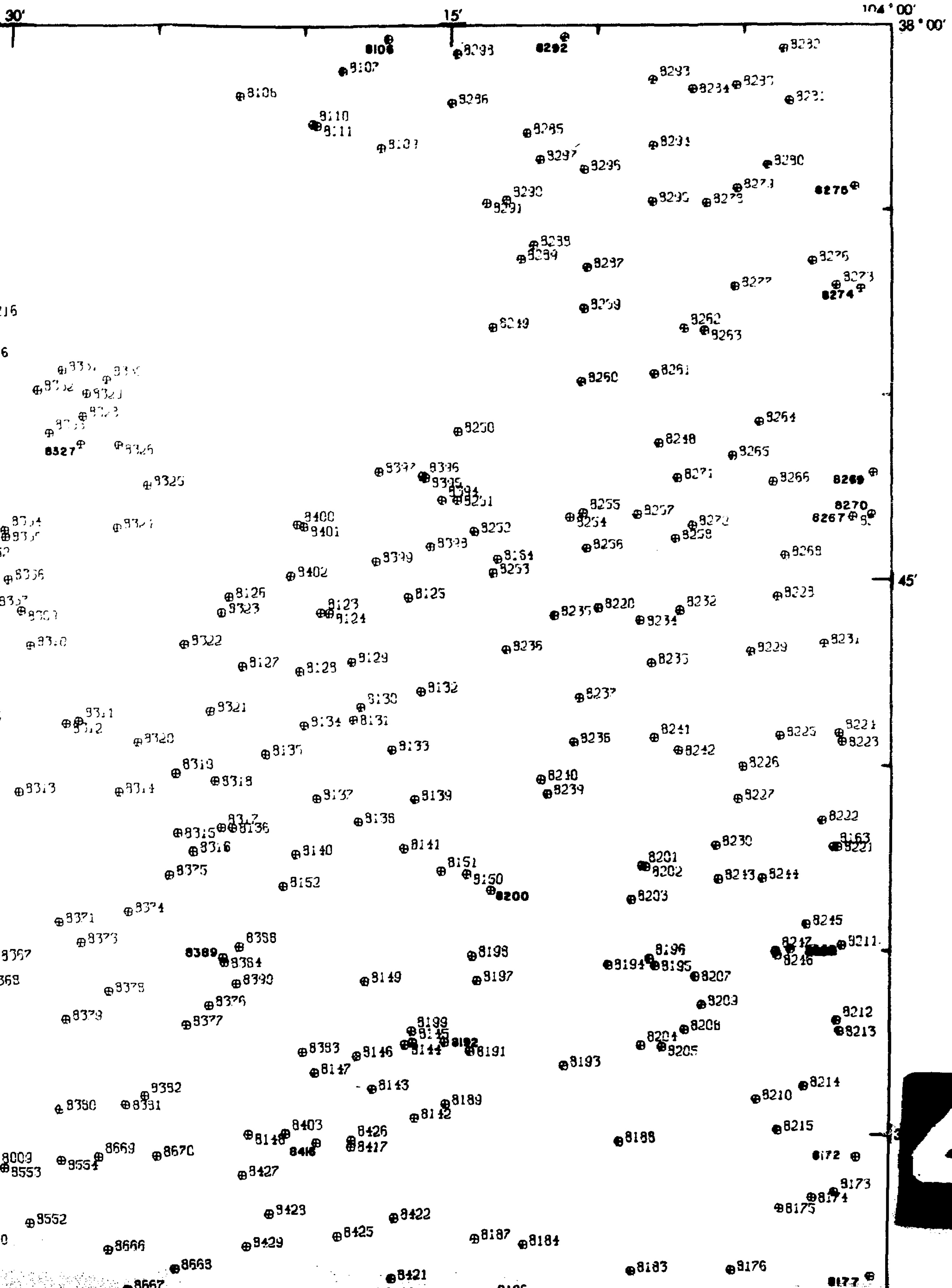
PLATE I



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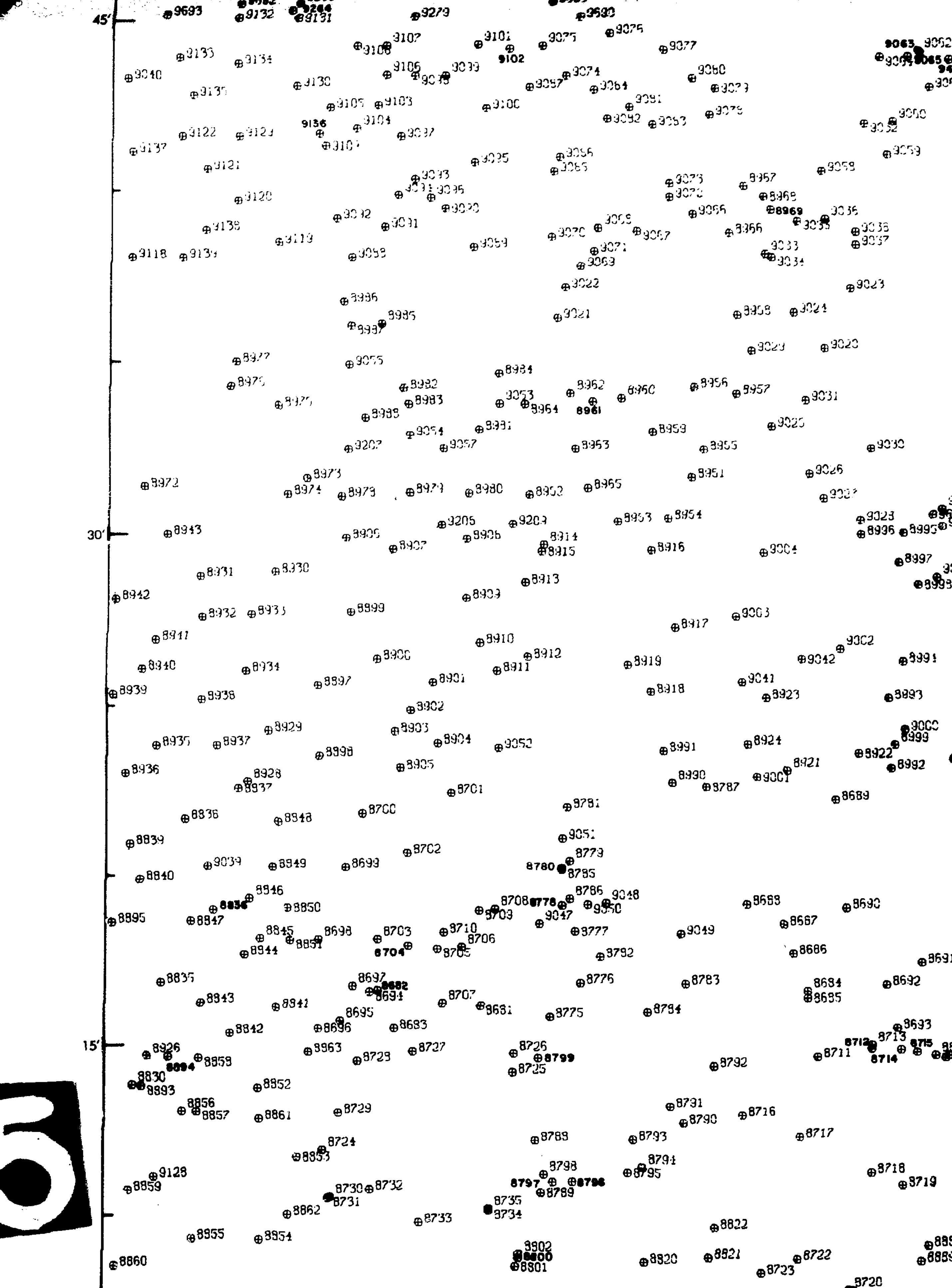
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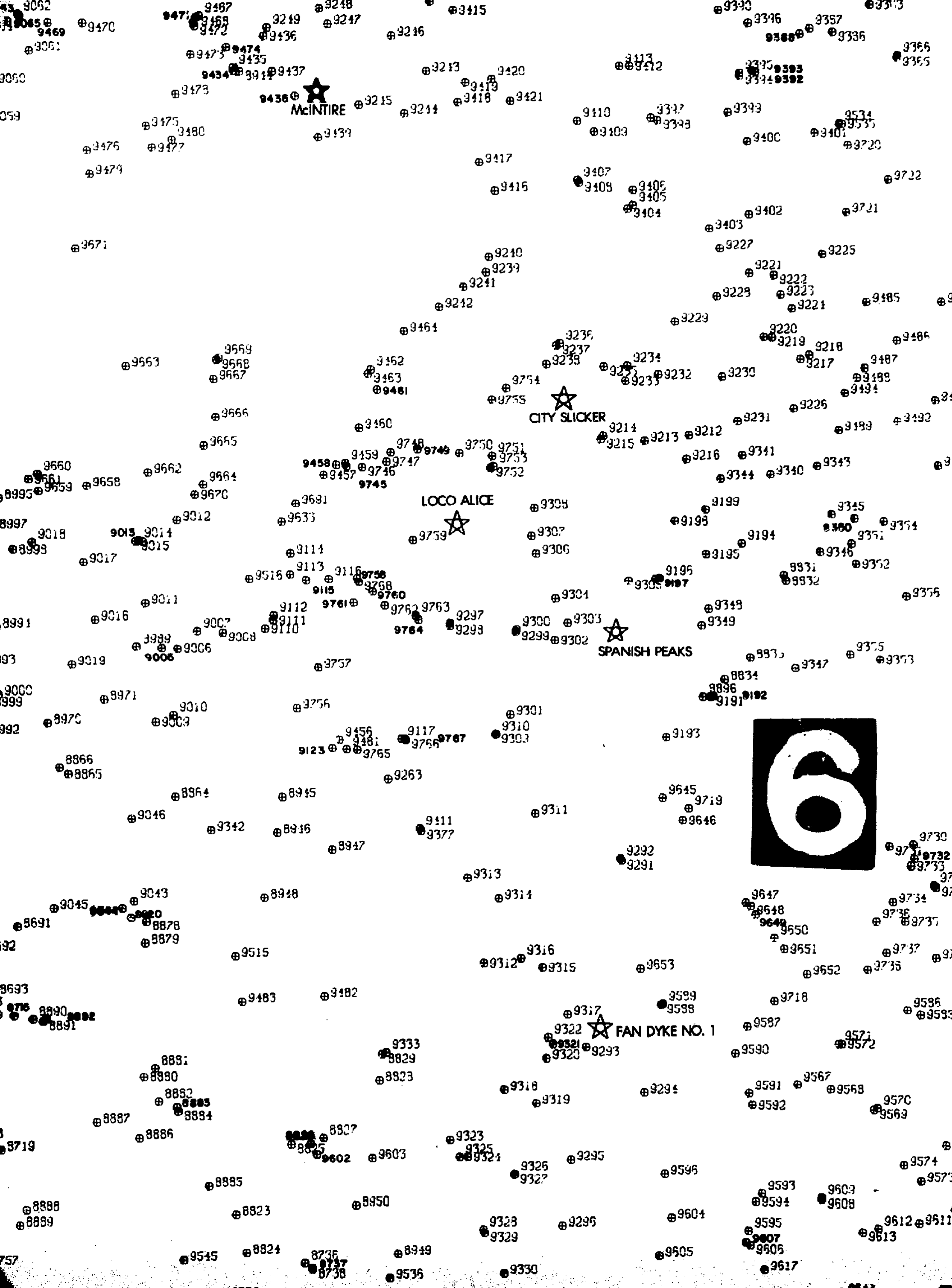
McINTIRE
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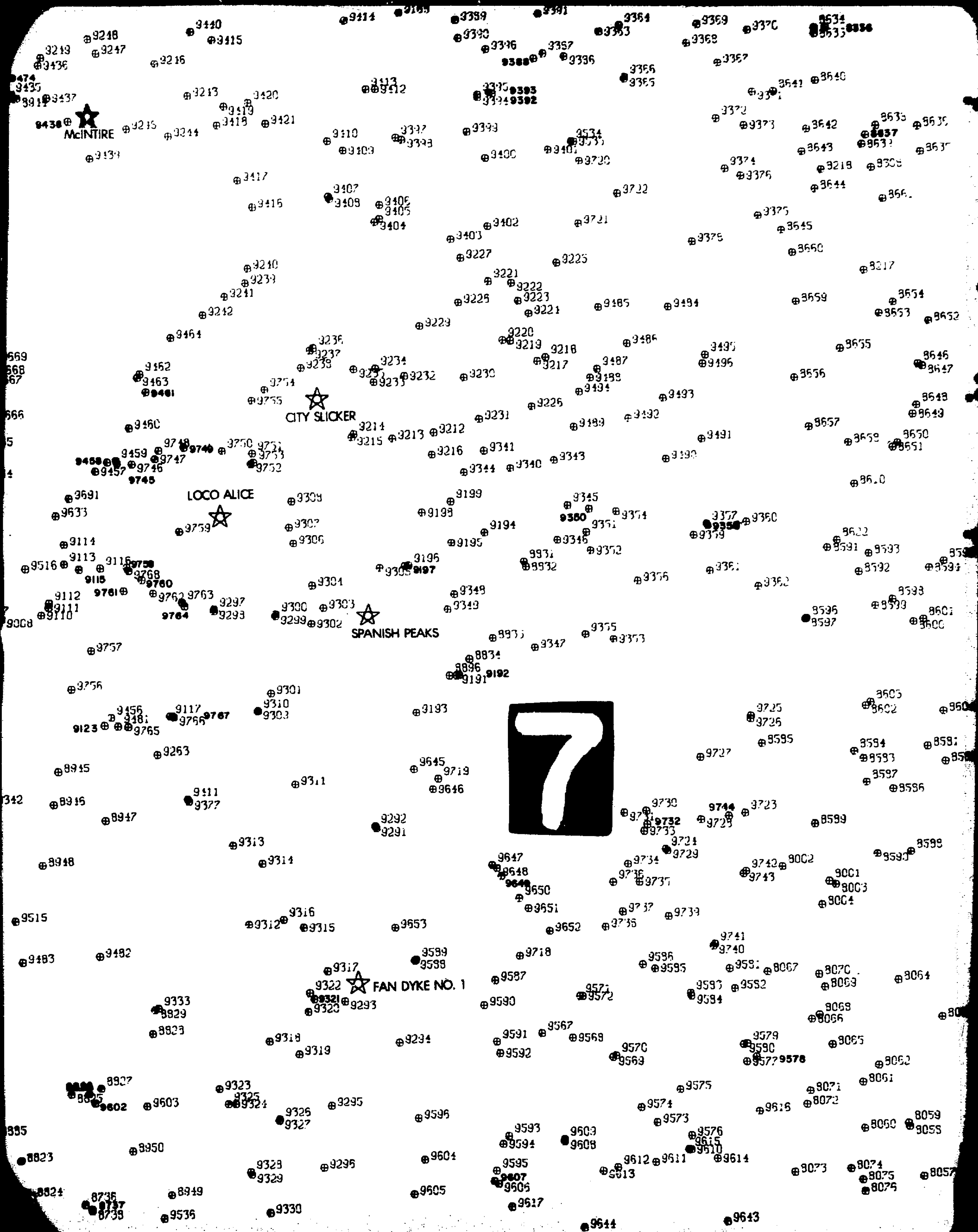
LOCO ALICE
SPANISH PEAKS
FAN DYKE NO. 1
6


McINTIRE
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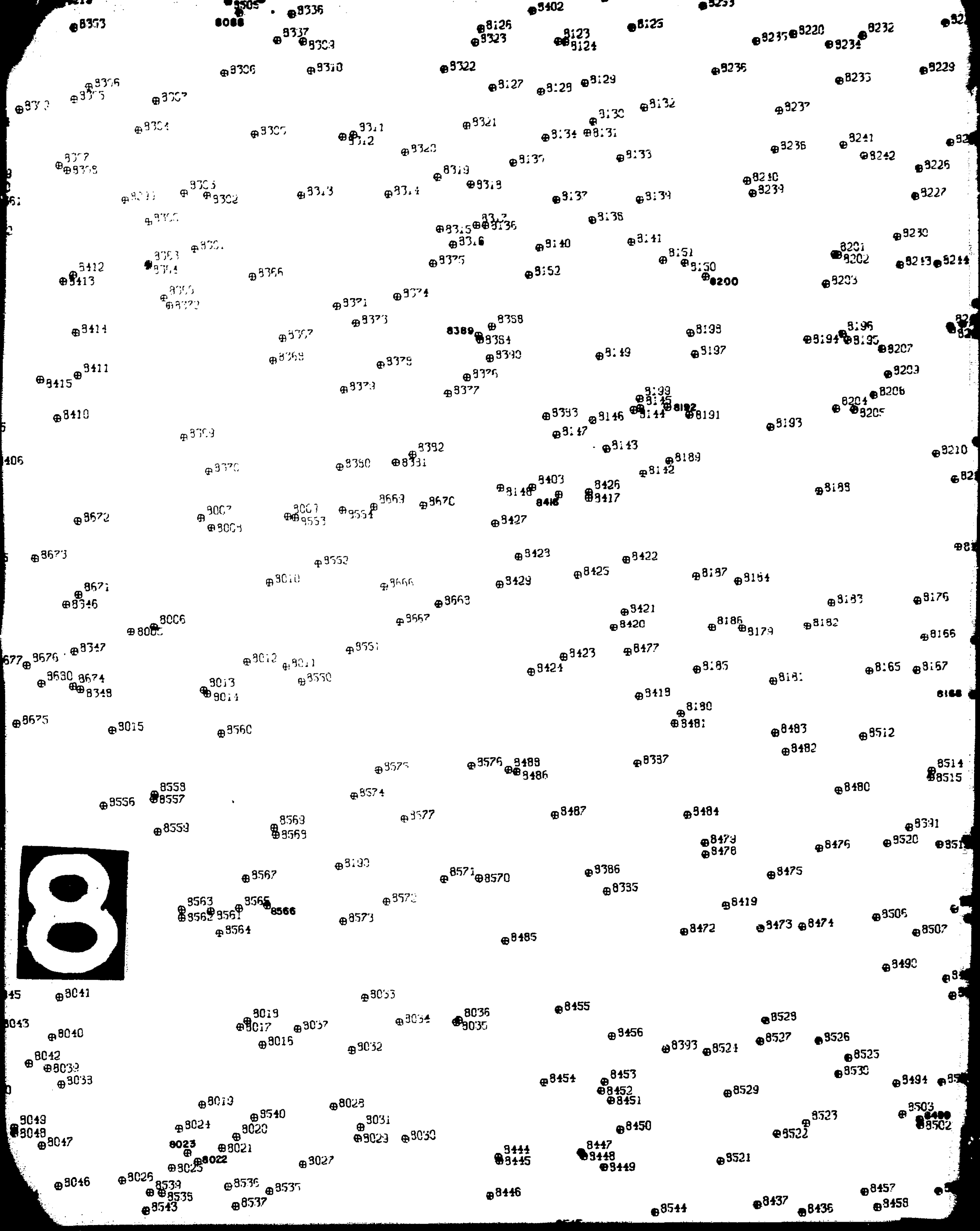
LOCO ALICE
SPANISH PEAKS
FAN DYKE NO. 1
7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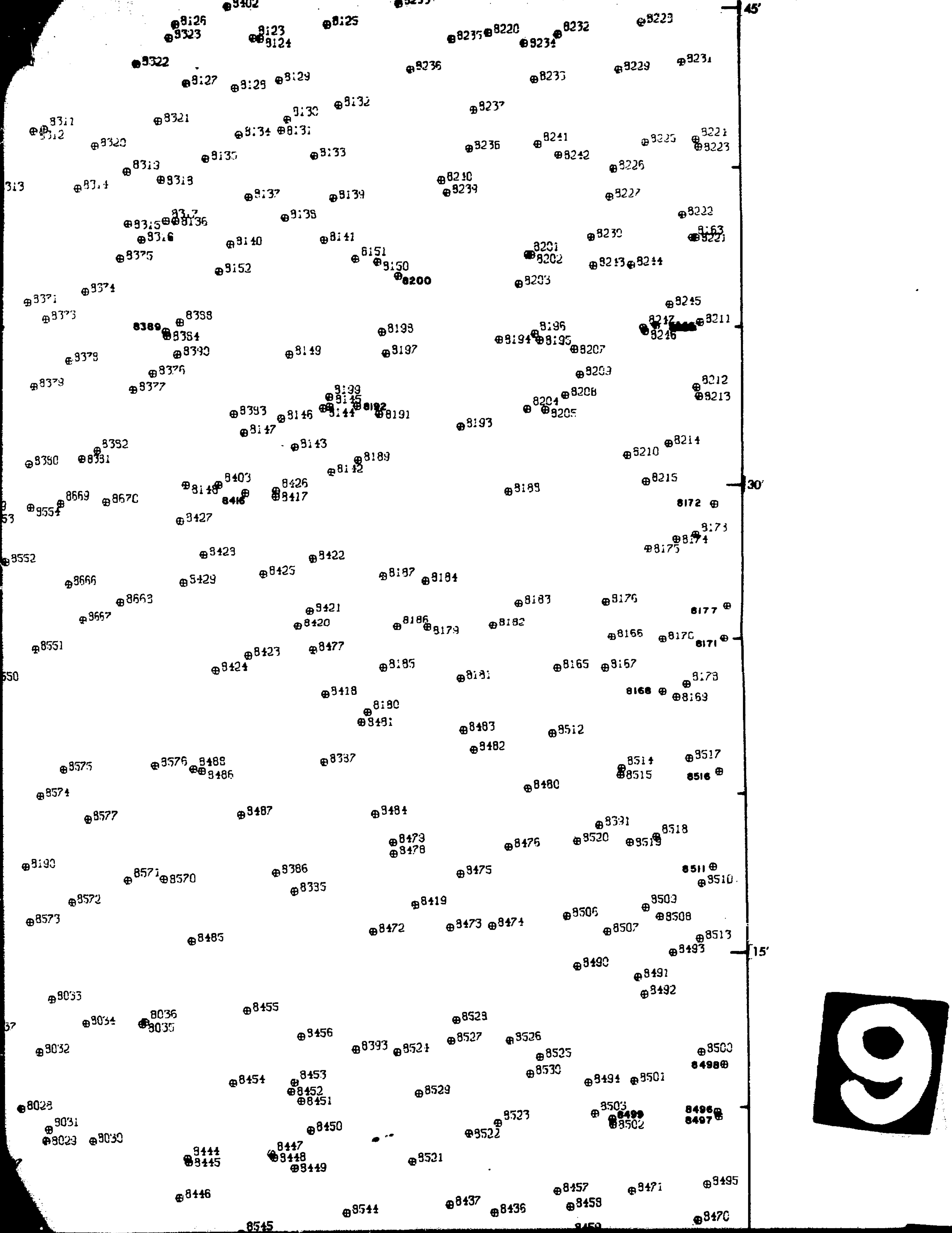

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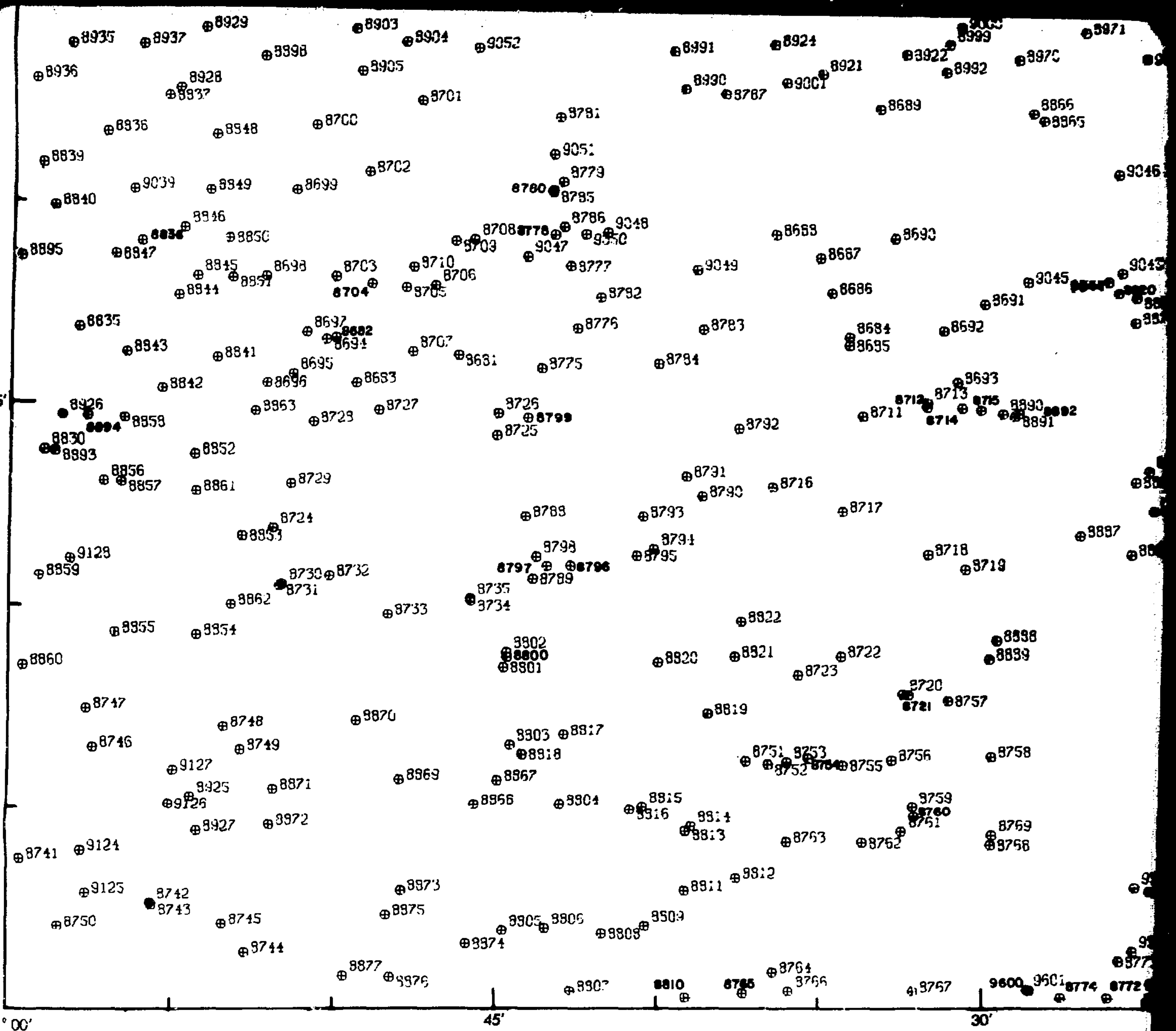
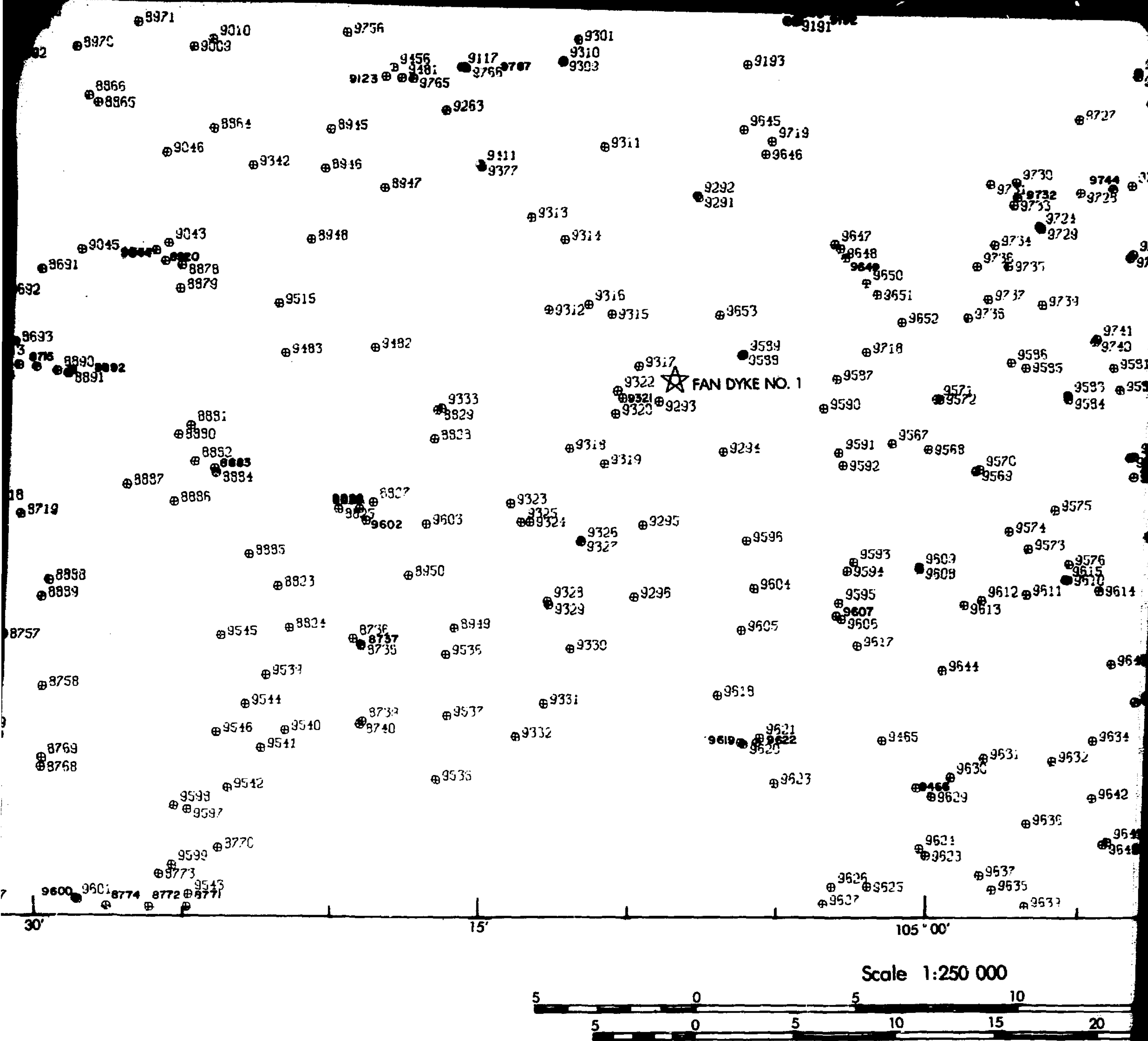


The LASL sample location numbers above are the same as those used in APPENDIXES B and C except the leading two alphanumeric characters have been dropped.

★ URANIUM OCCURRENCES

10



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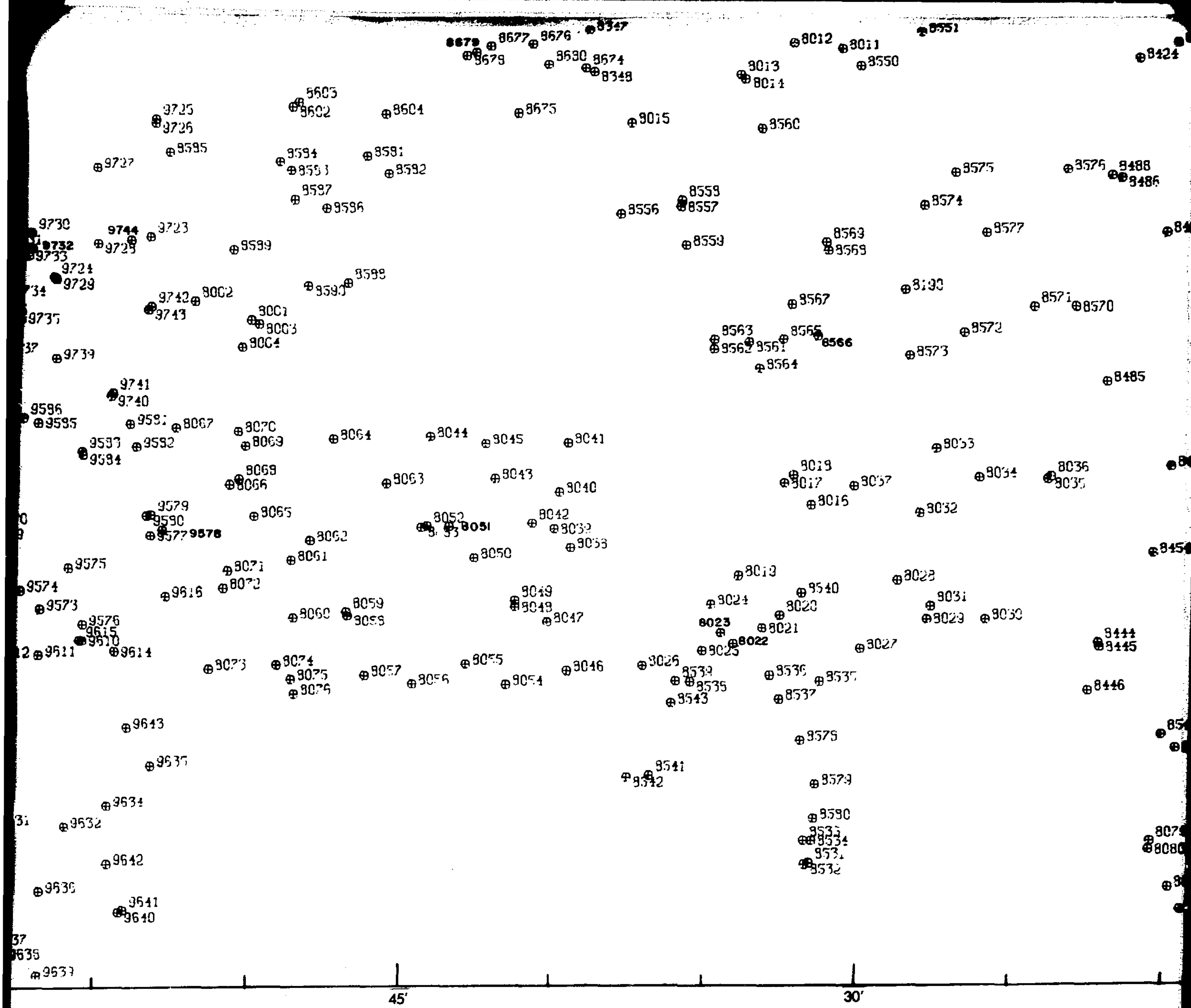

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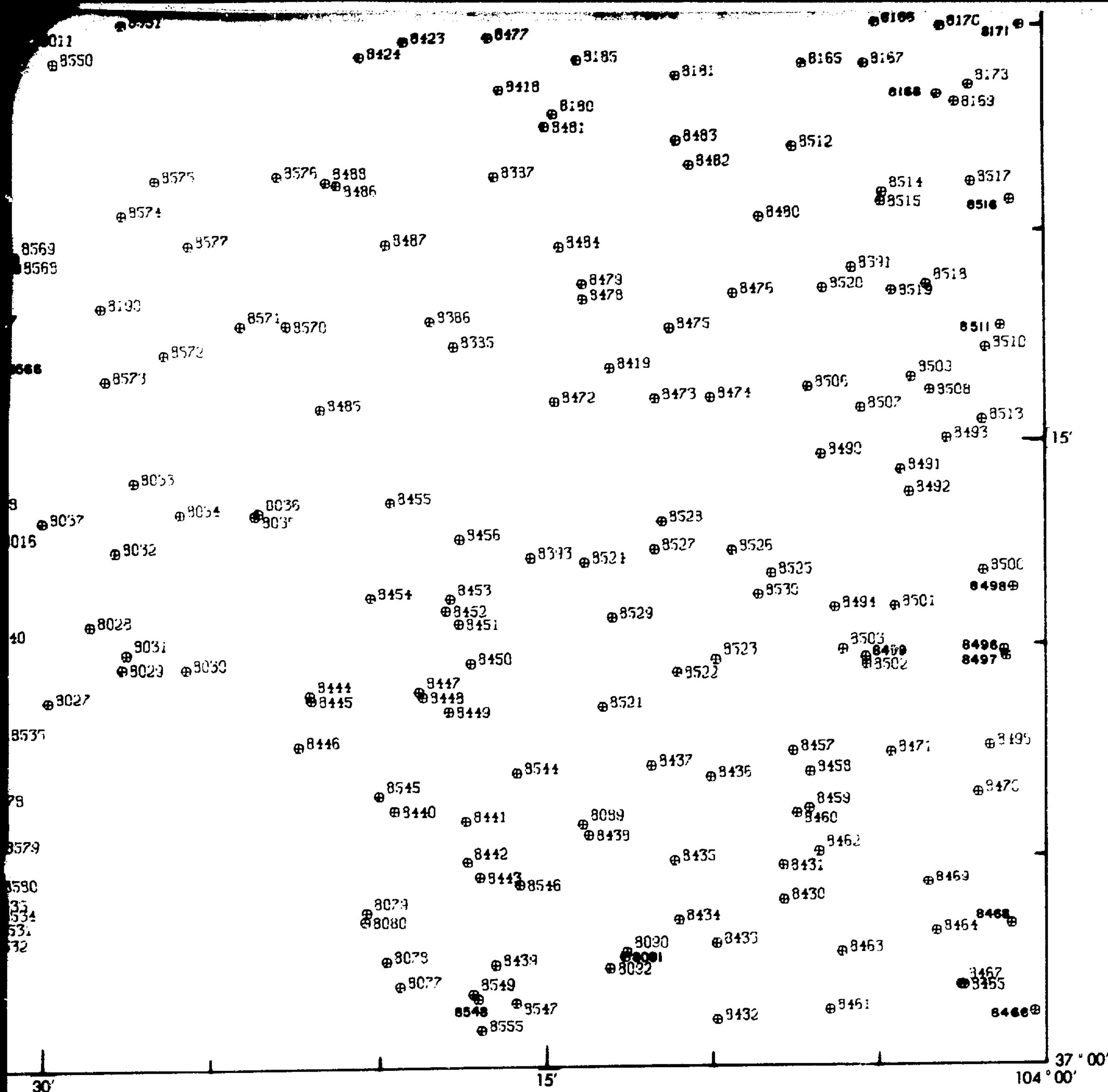
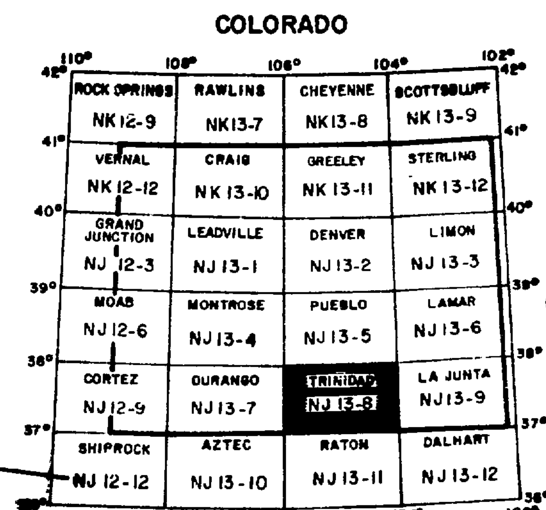


University of California
LOS ALAMOS SCIENTIFIC LABORATORY
Post Office Box 1663 Los Alamos, New Mexico 87545
An affirmative action/equal opportunity employer



13

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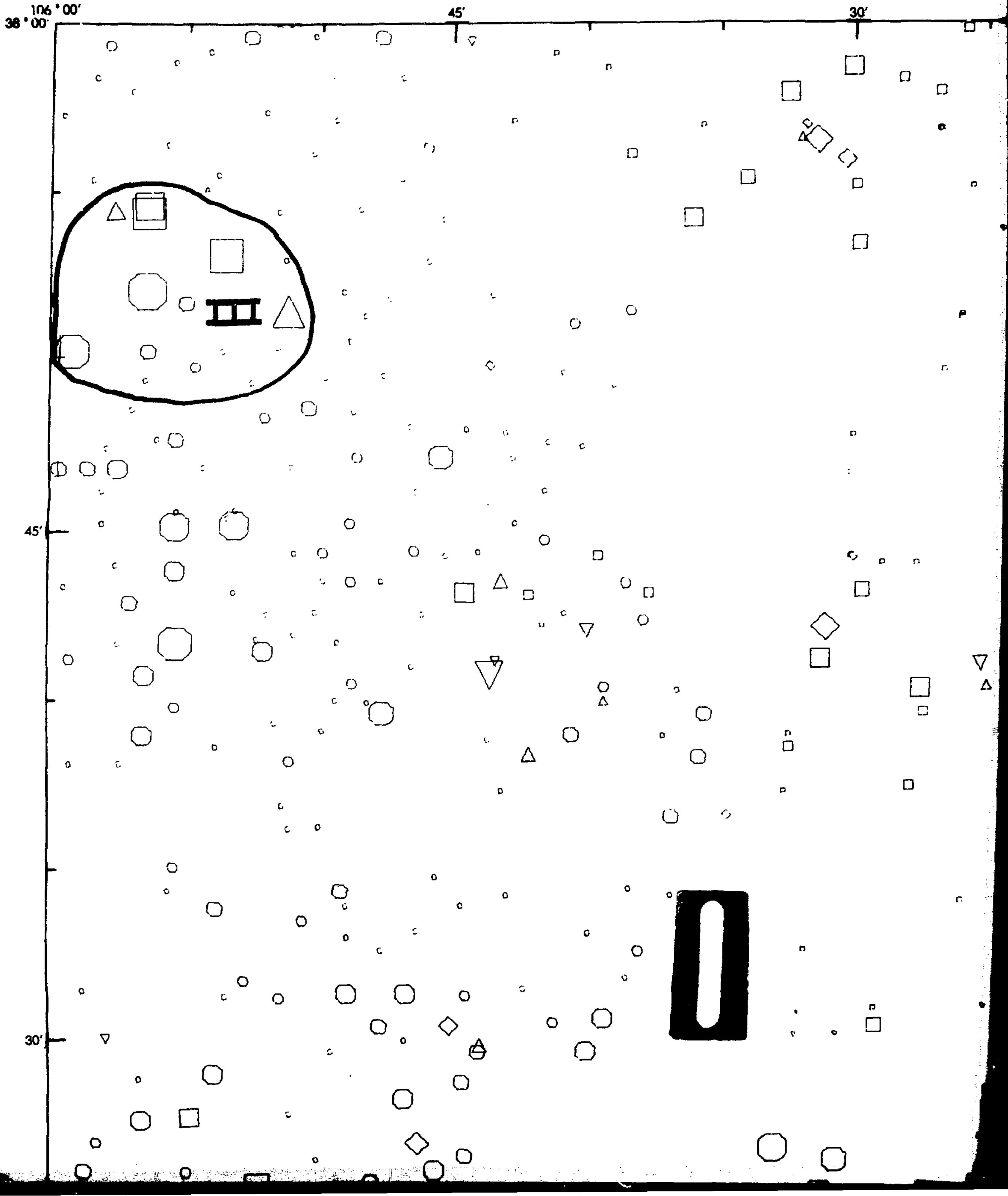

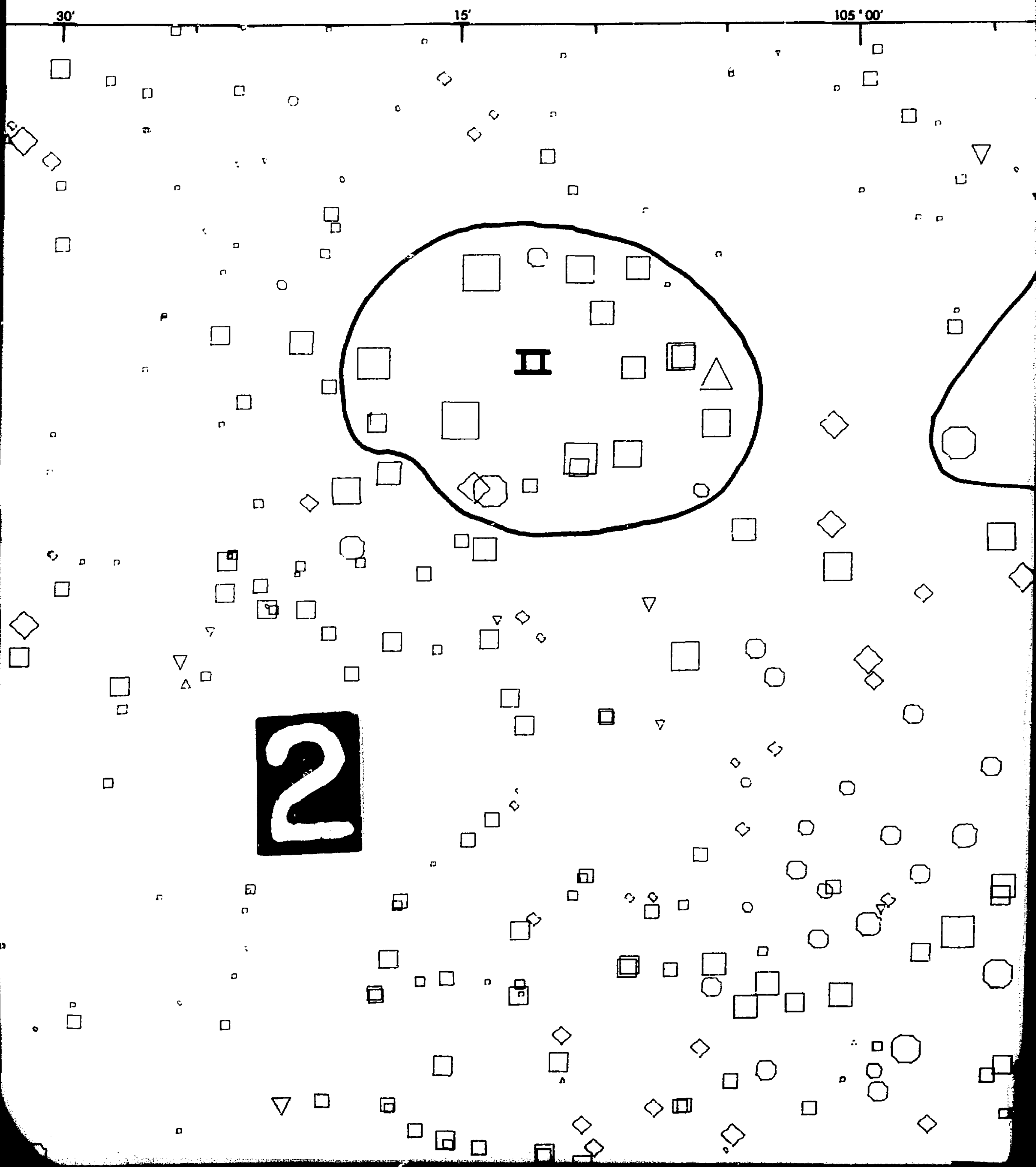

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105°00'
II
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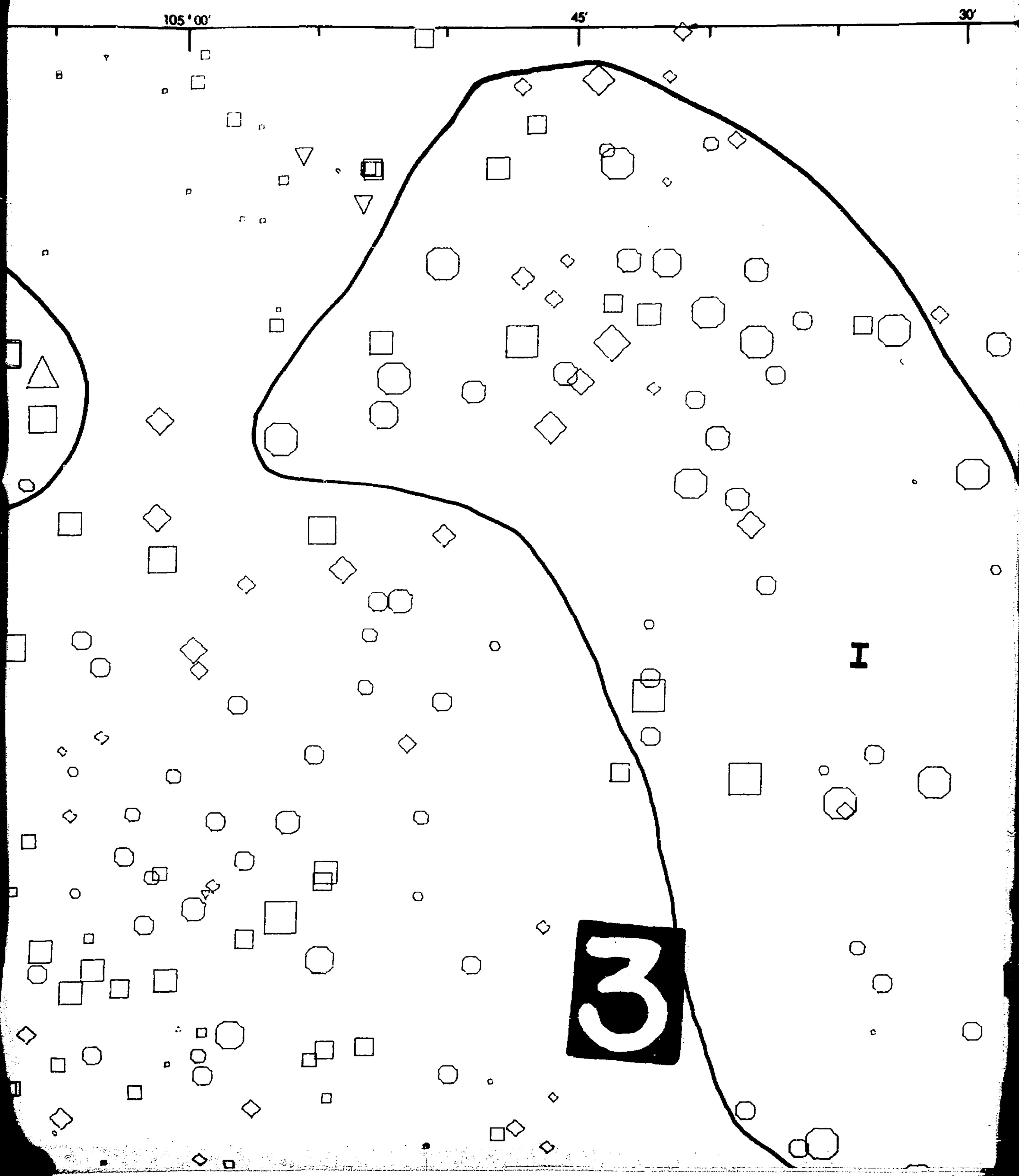
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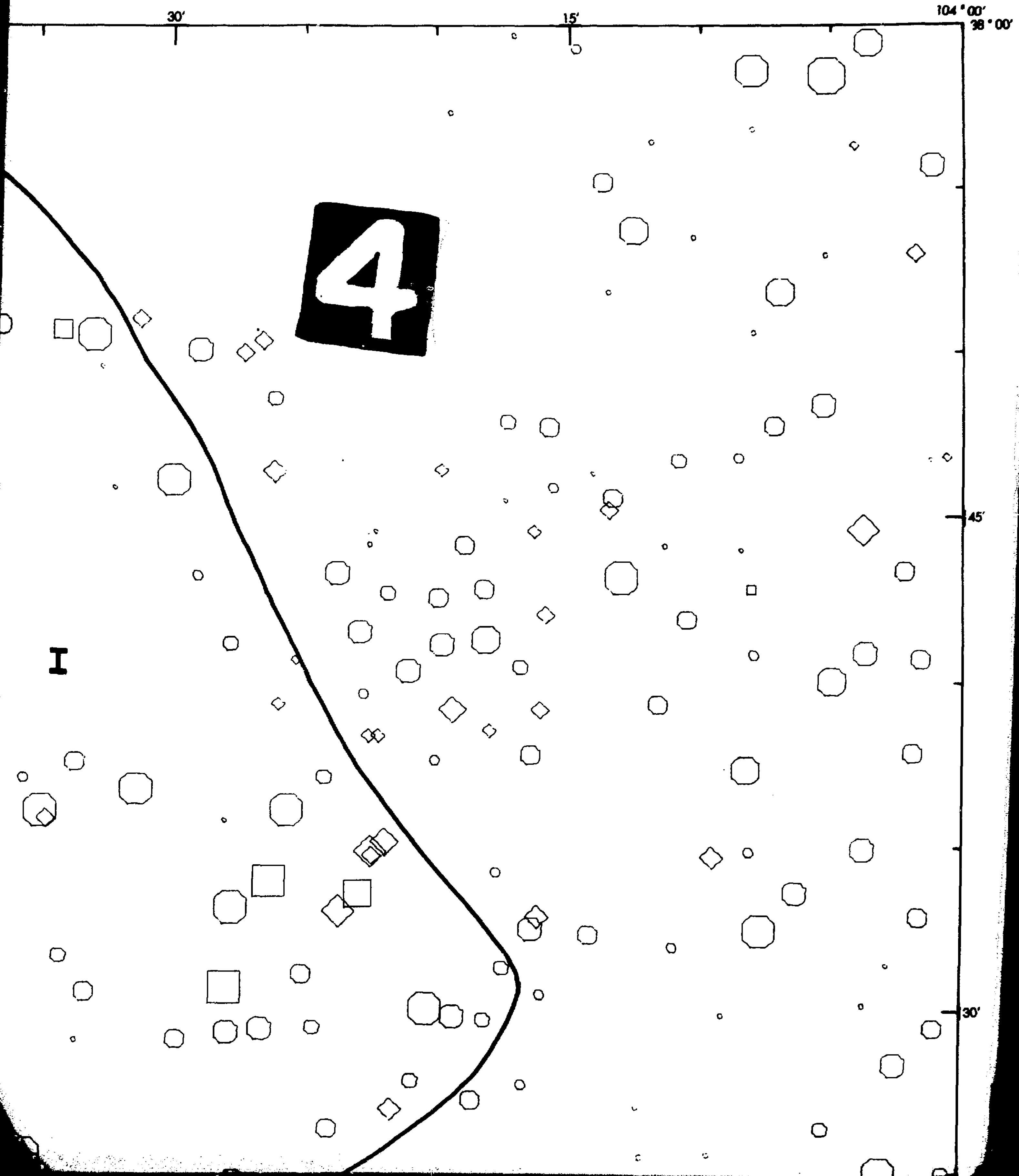
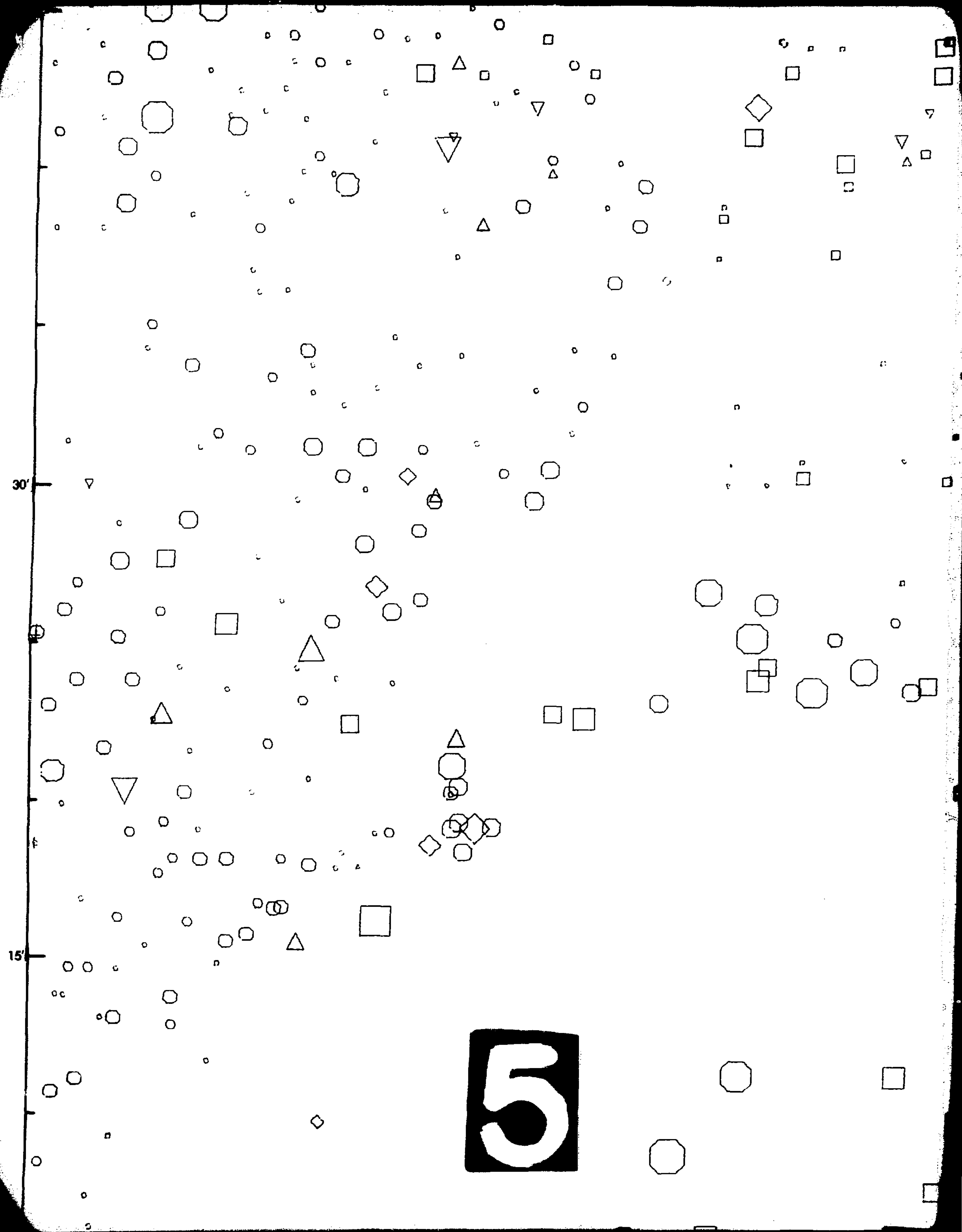
PLATE II

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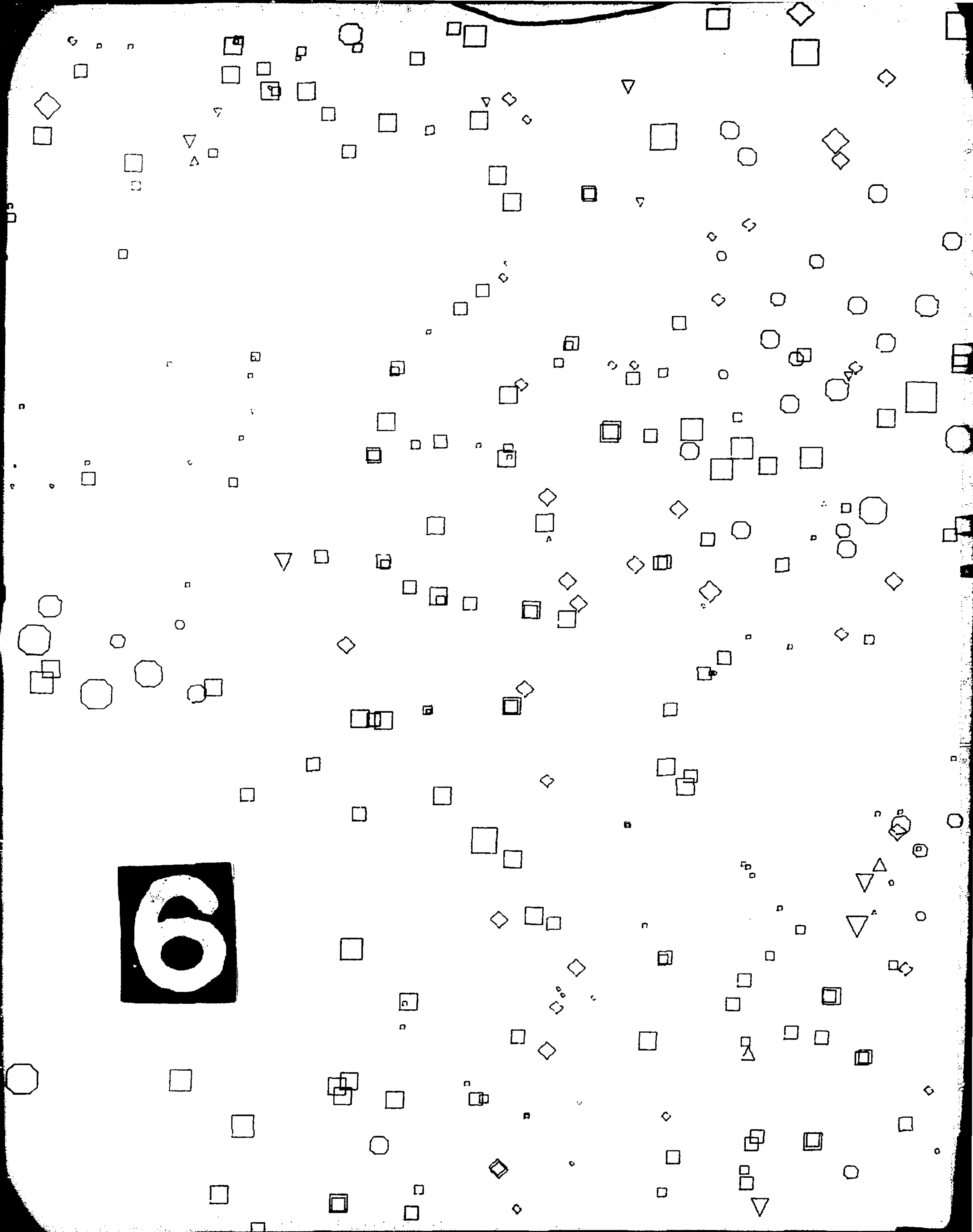
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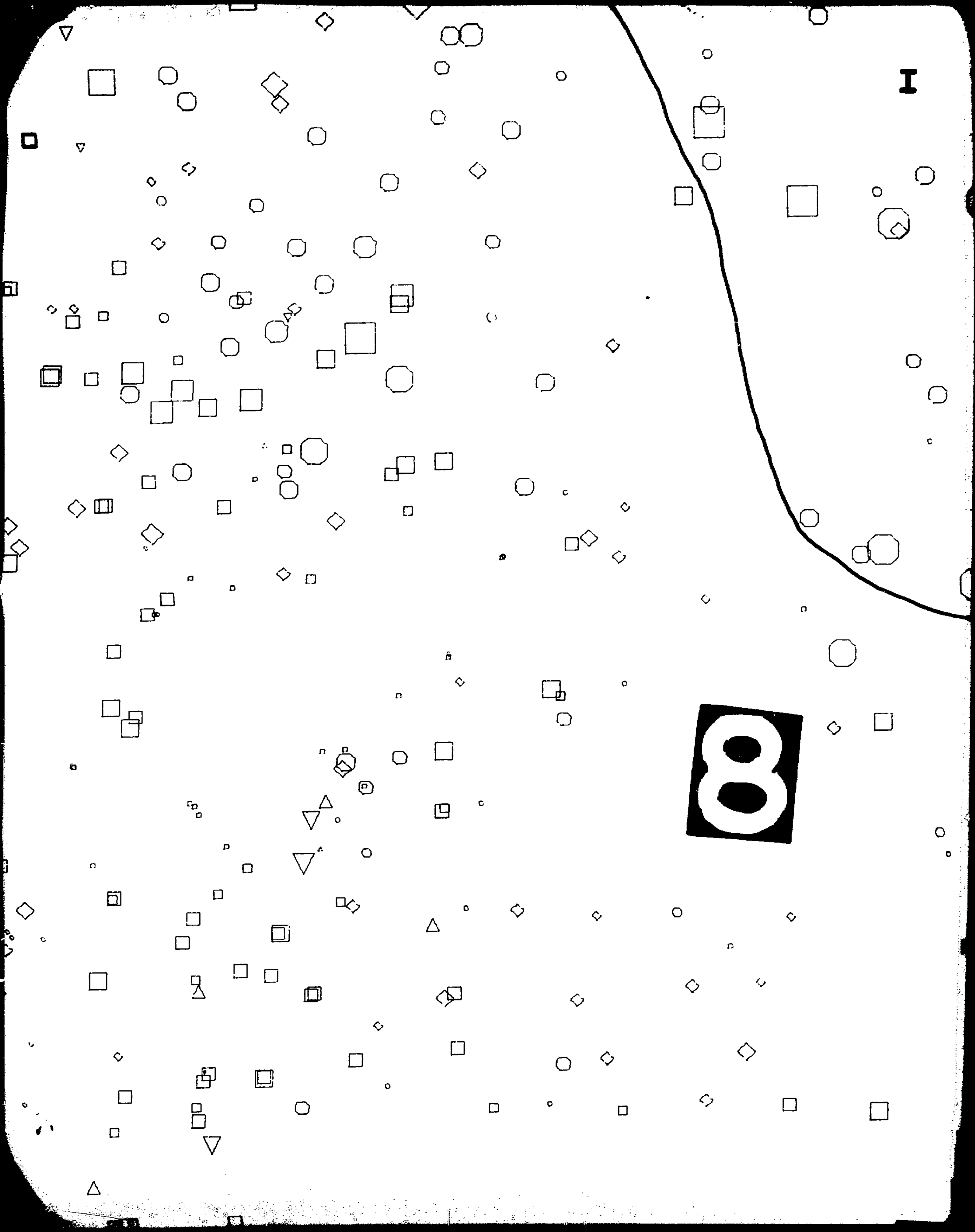
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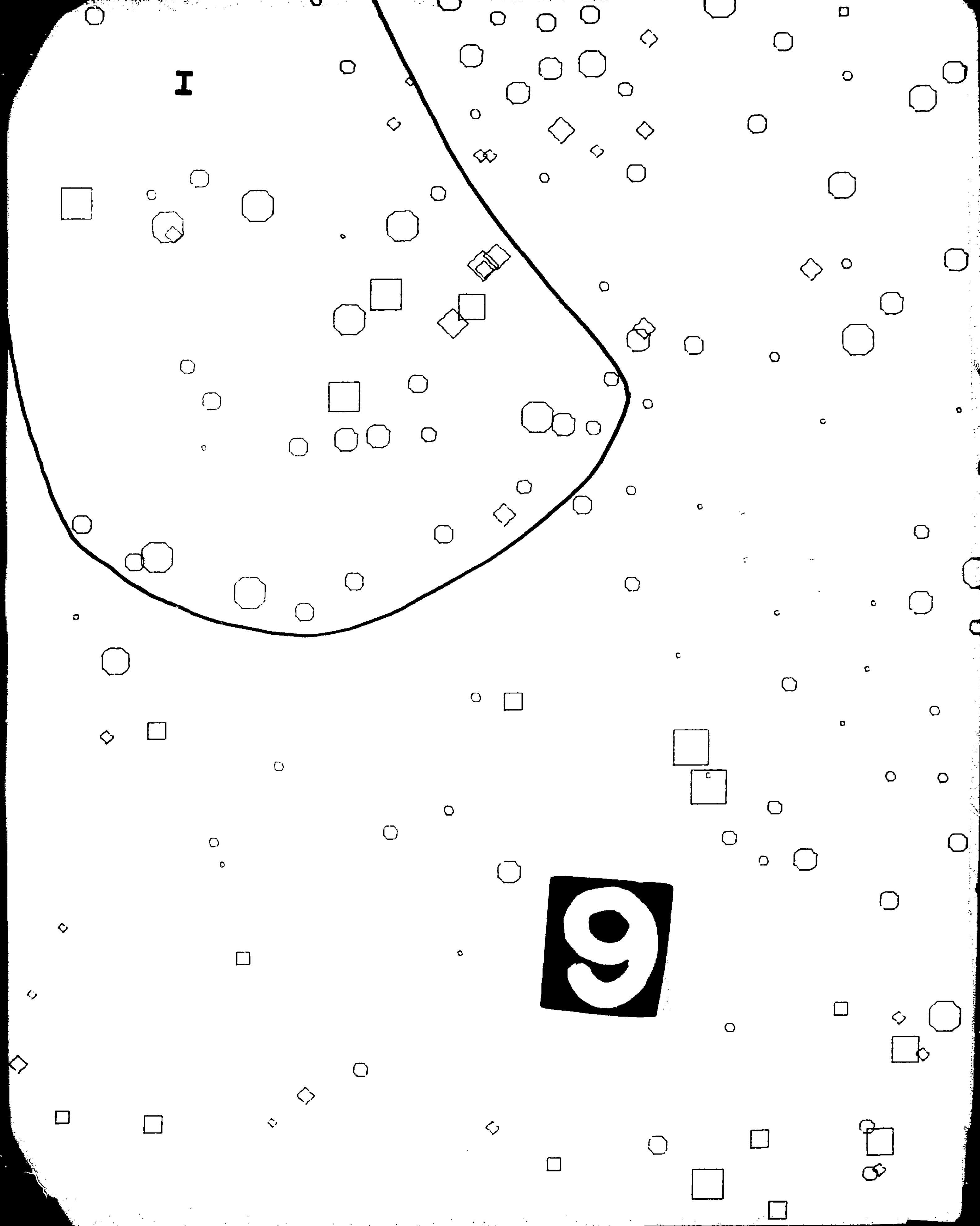
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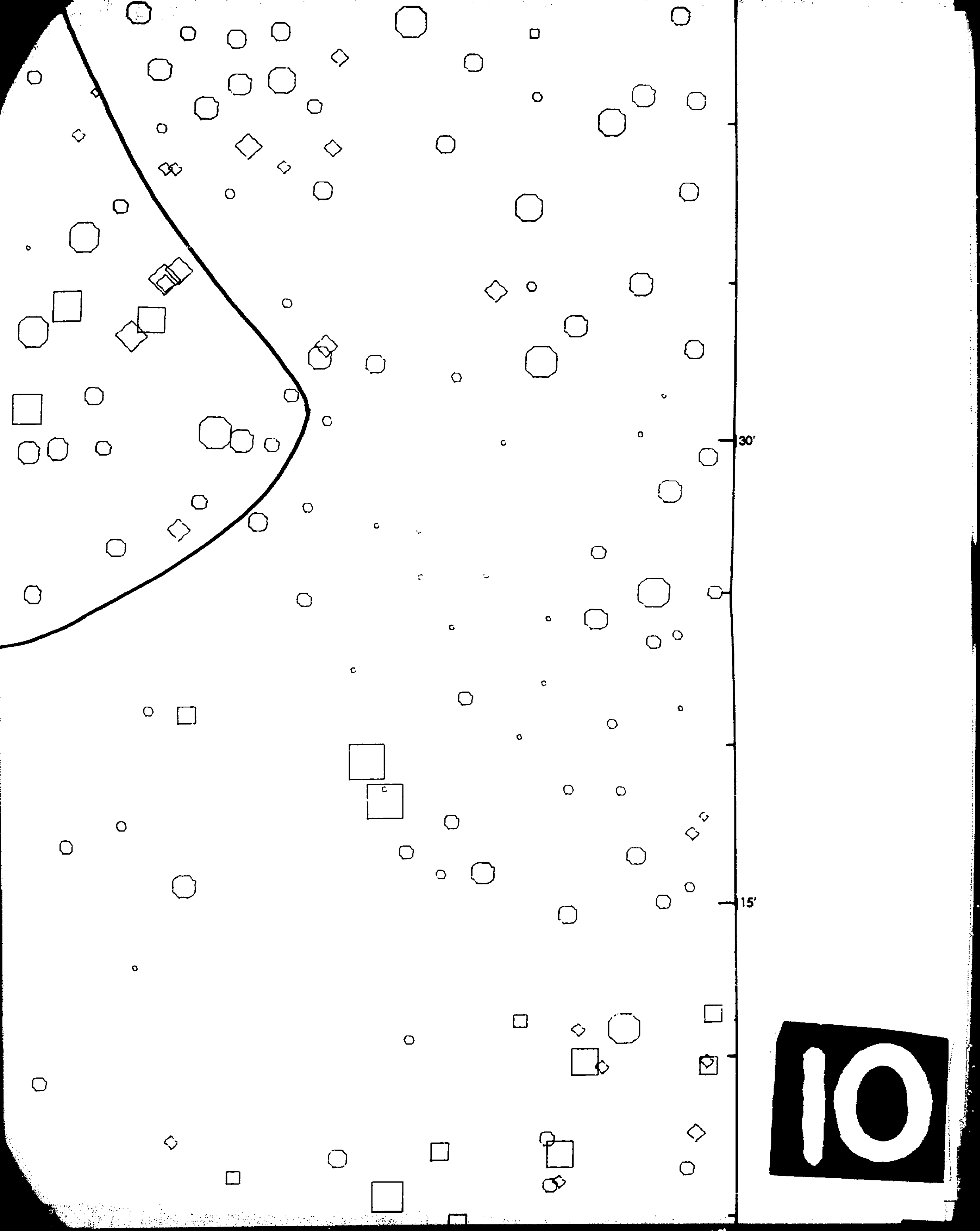
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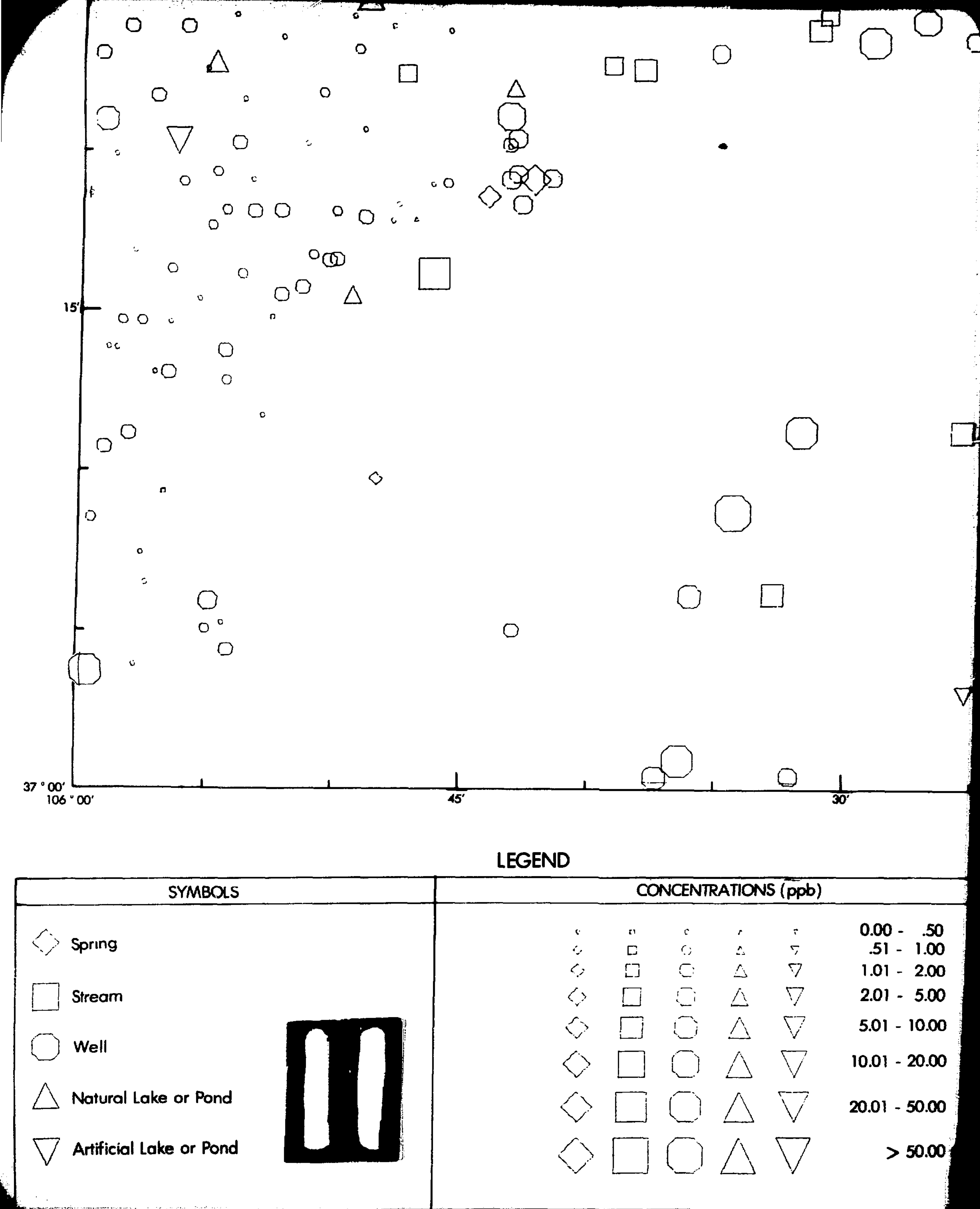
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37 ° 00'
106 ° 00'
45'
30'
LEGEND
SYMBOLS
Spring
Stream
Well
Natural Lake or Pond
Artificial Lake or Pond
CONCENTRATIONS (ppb)
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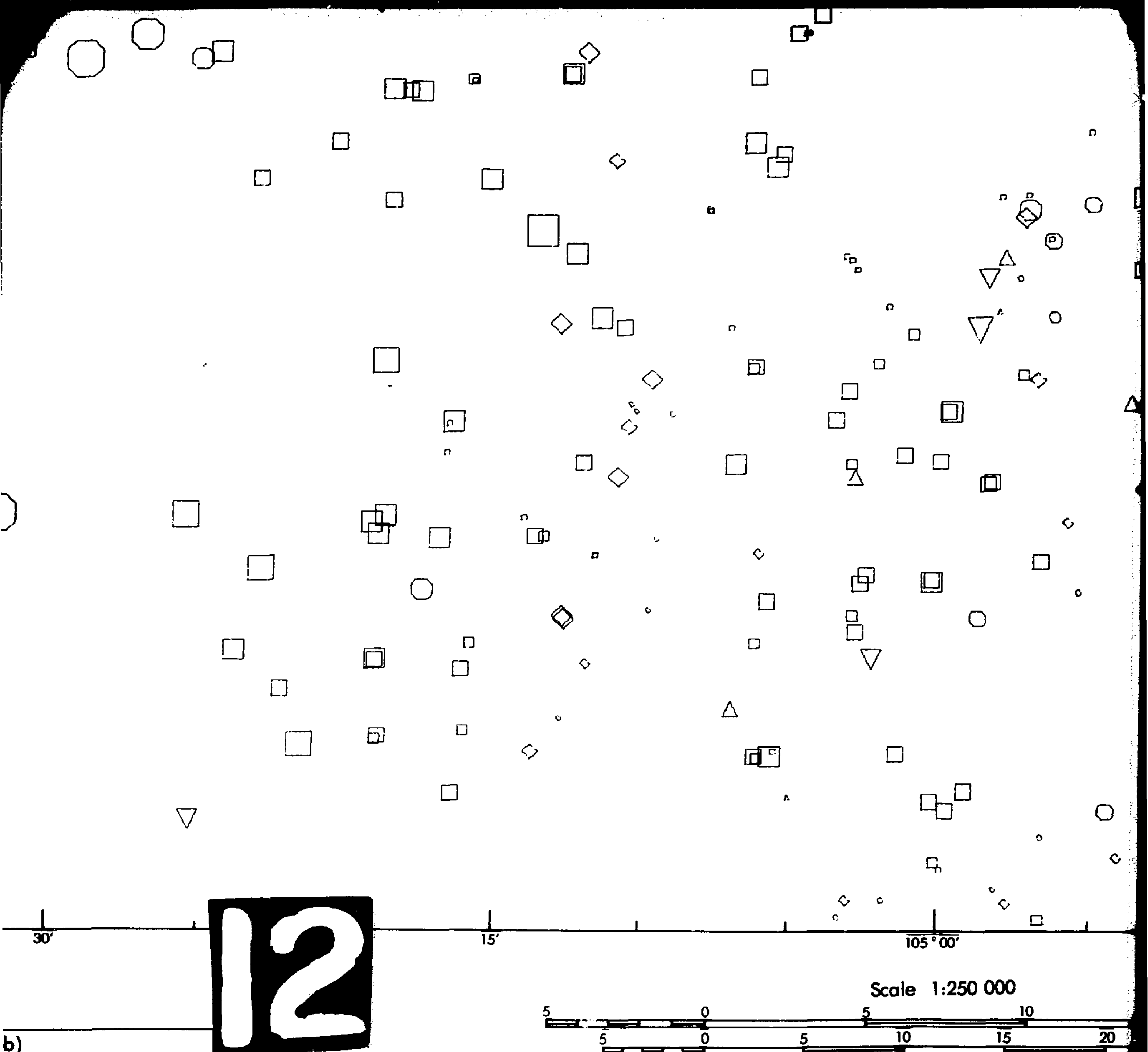
.51 - 1.00
1.01 - 2.00
2.01 - 5.00
5.01 - 10.00
10.01 - 20.00
20.01 - 50.00
> 50.00



12

b)

0.00 - .50
.51 - 1.00
1.01 - 2.00
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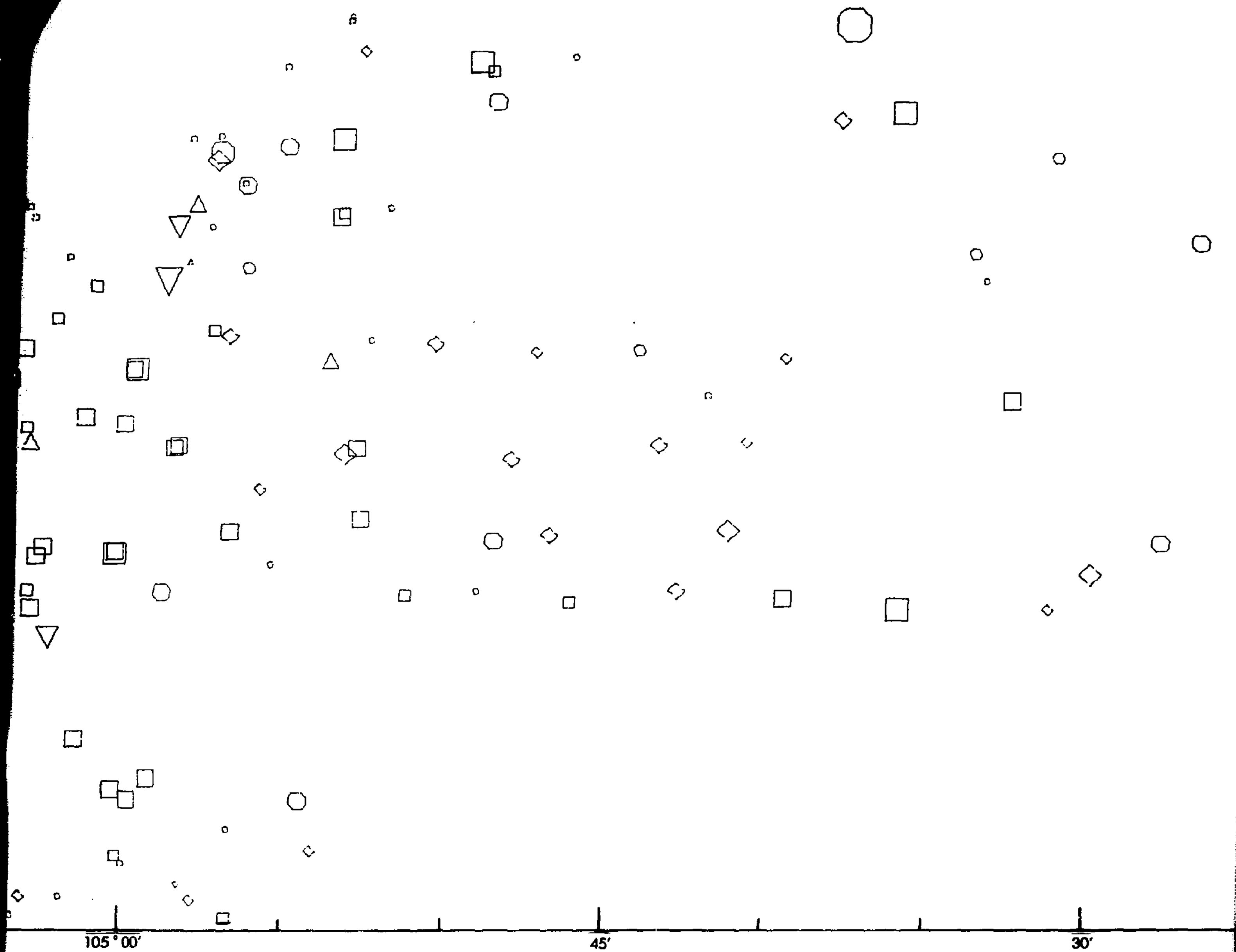

Scale 1:250 000

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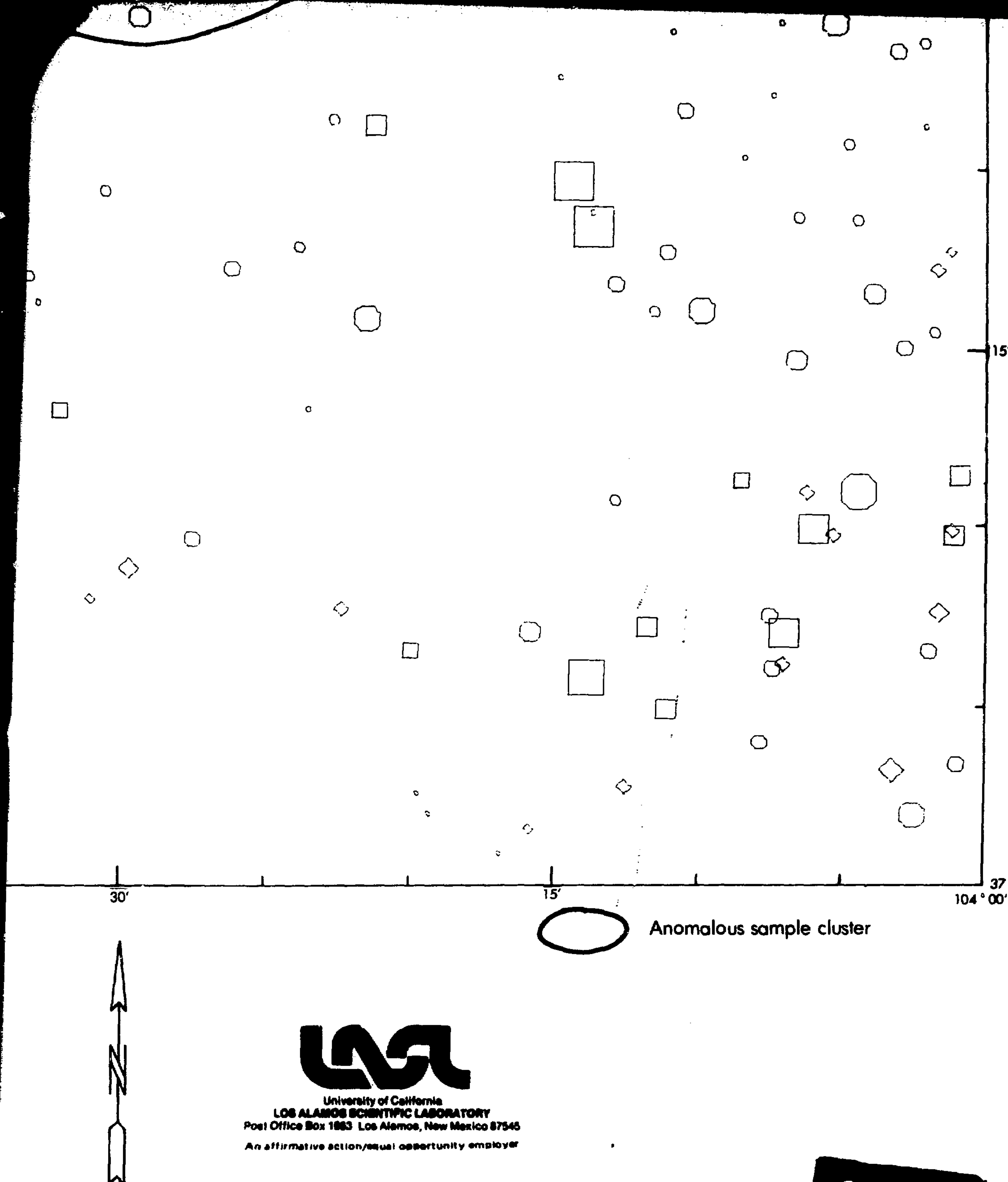
TRATIONS (ppb) IN WATERS
RLAY TO THE
QUADRANGLE, COLORADO

13



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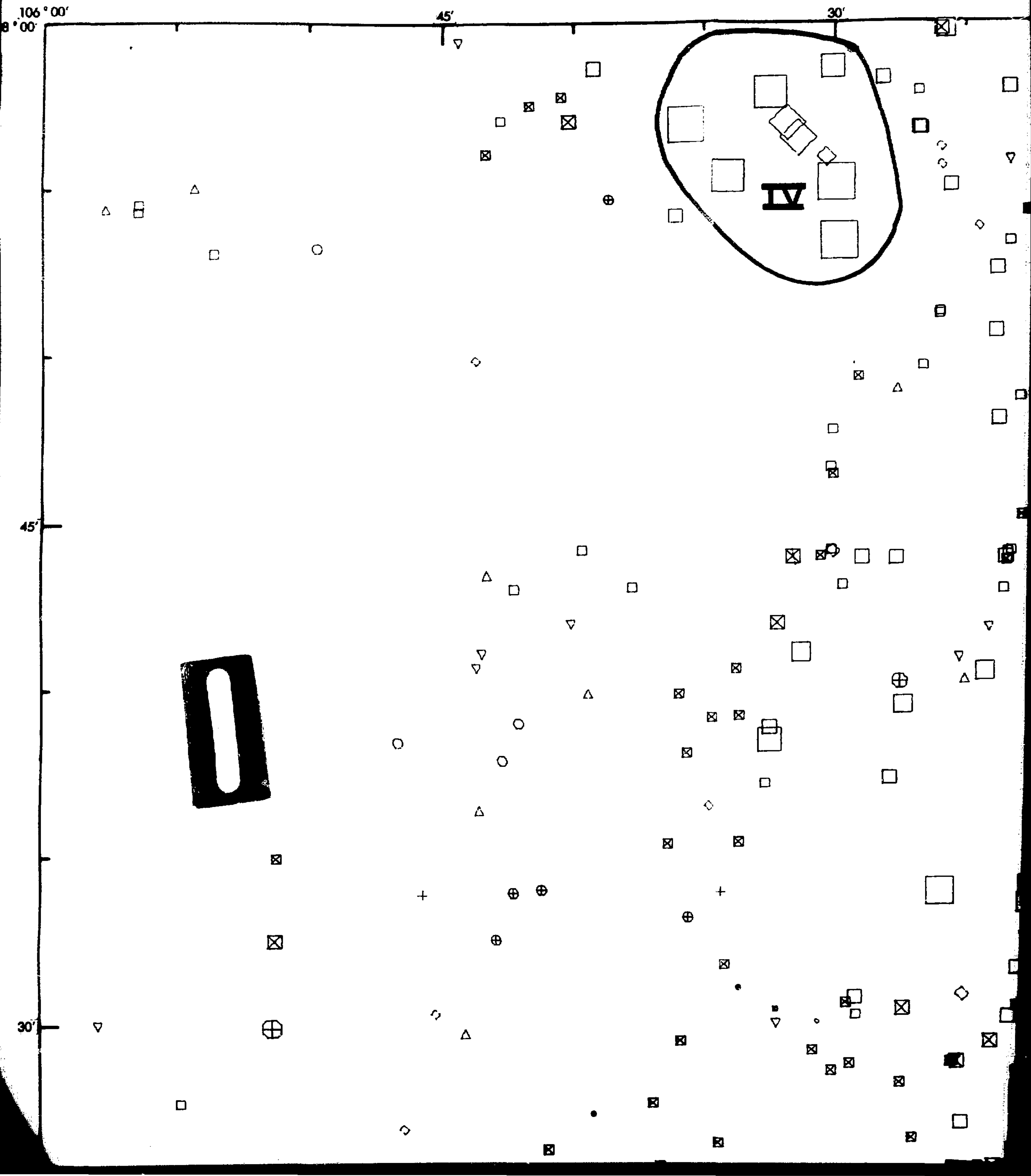
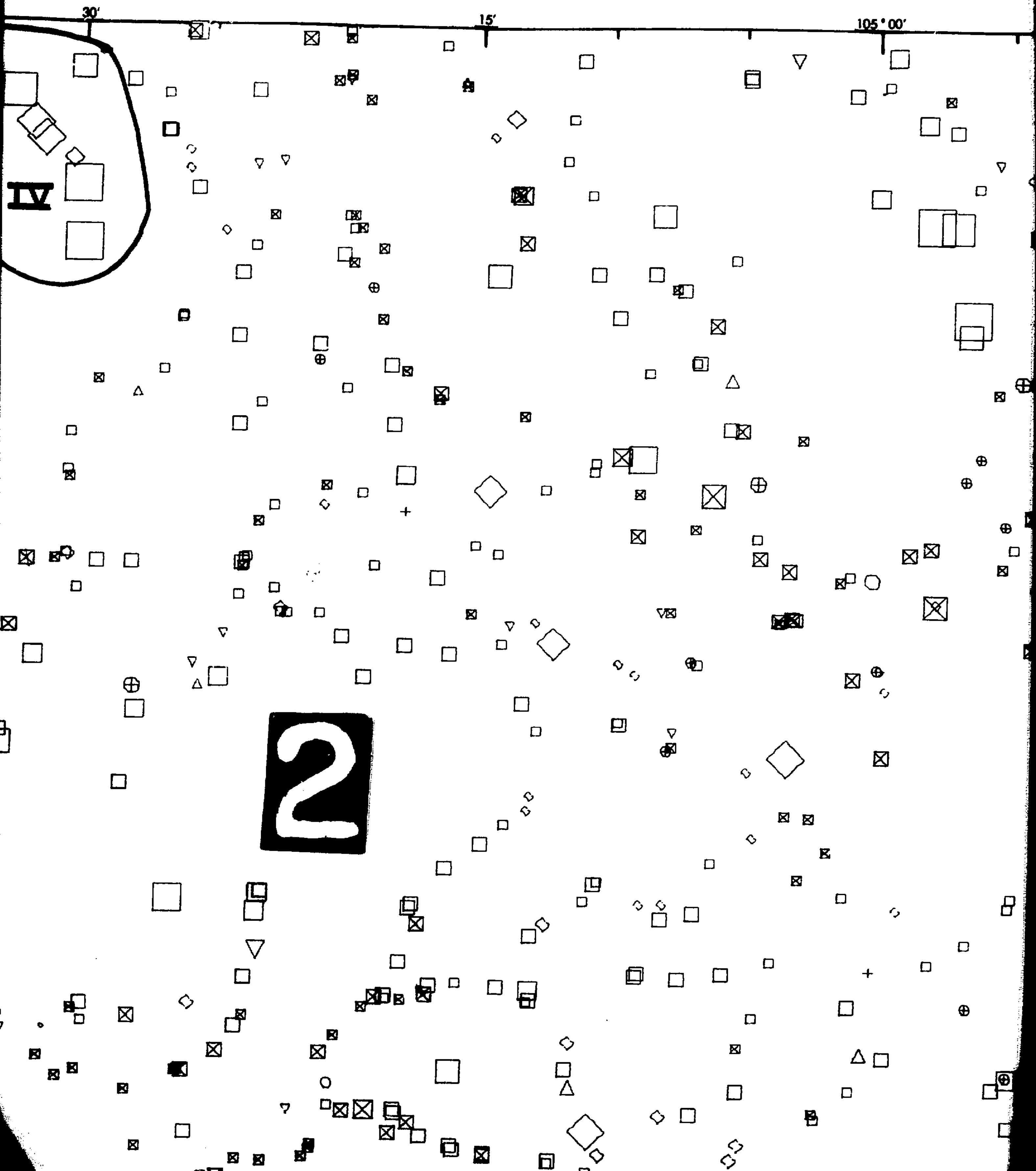
LA-7345-MS




30'
15'
105° 00'
IV
2

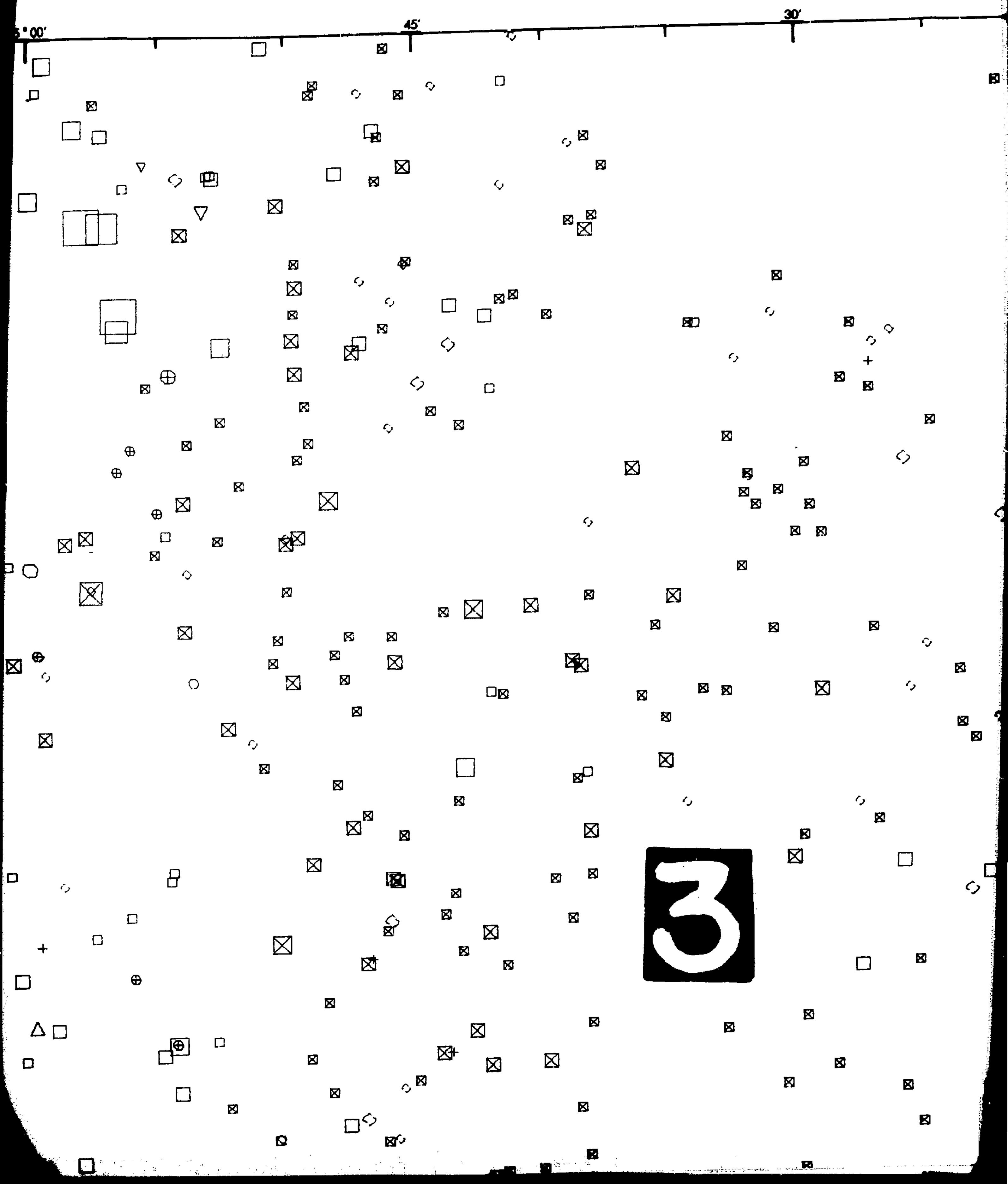
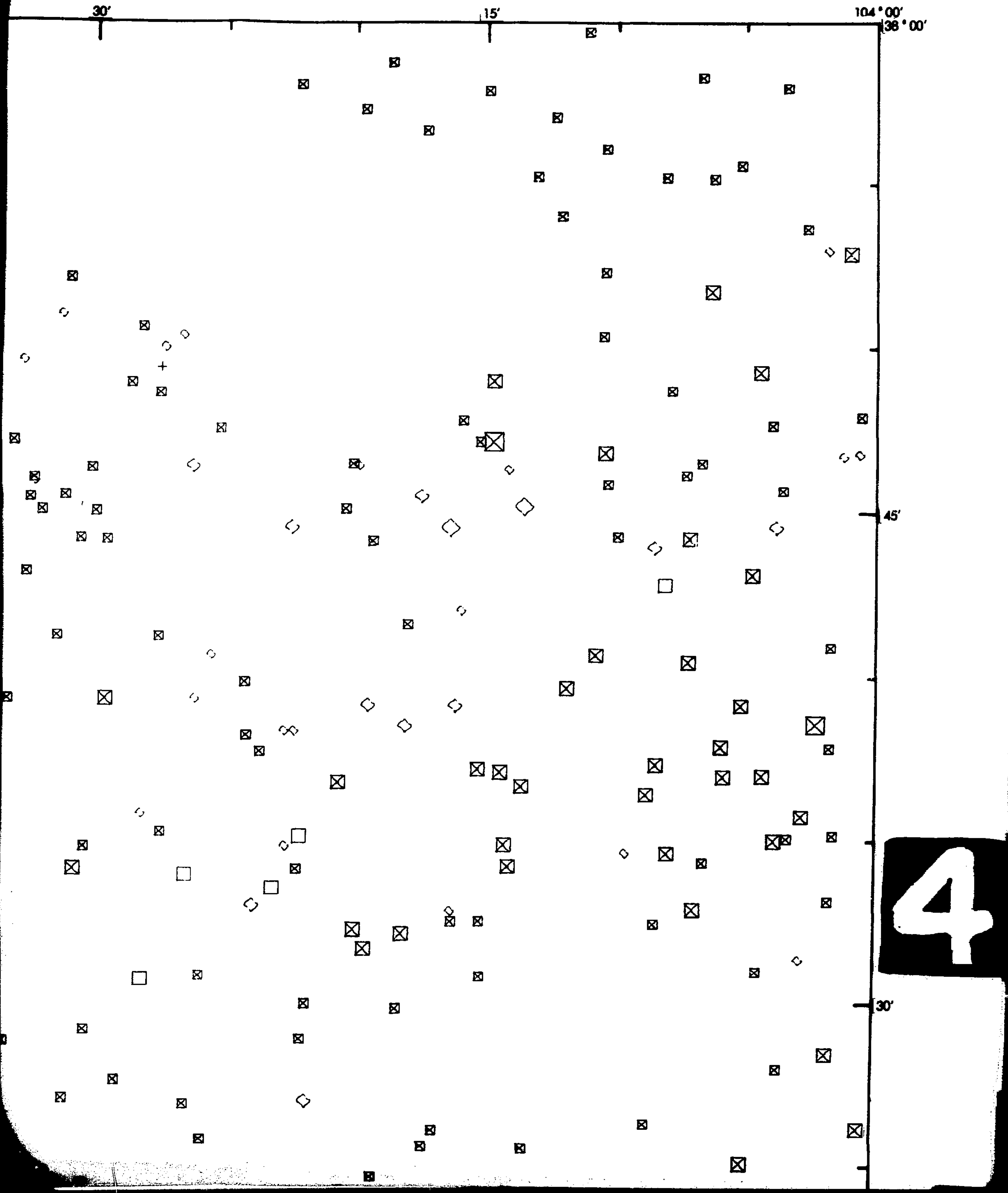
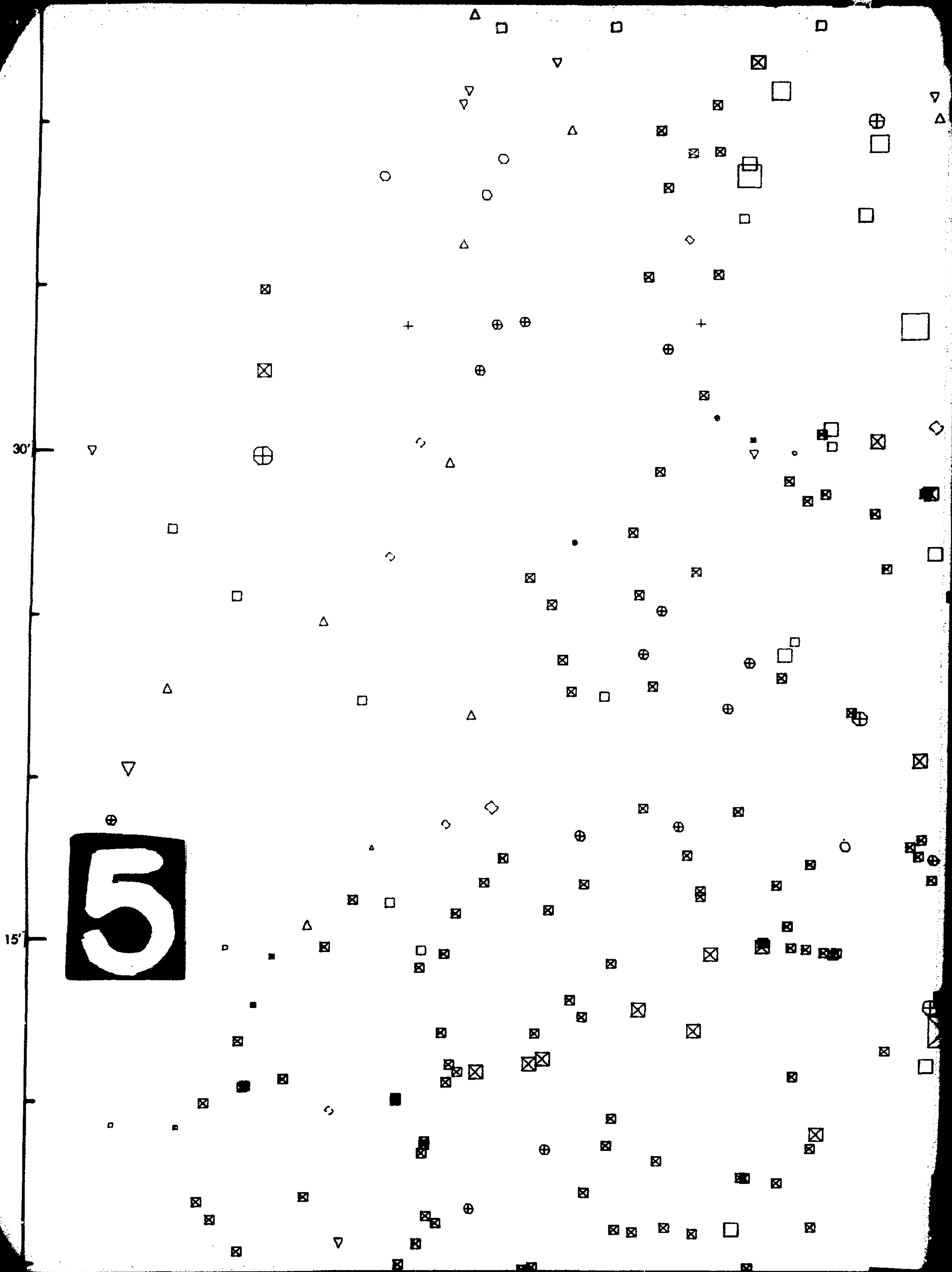
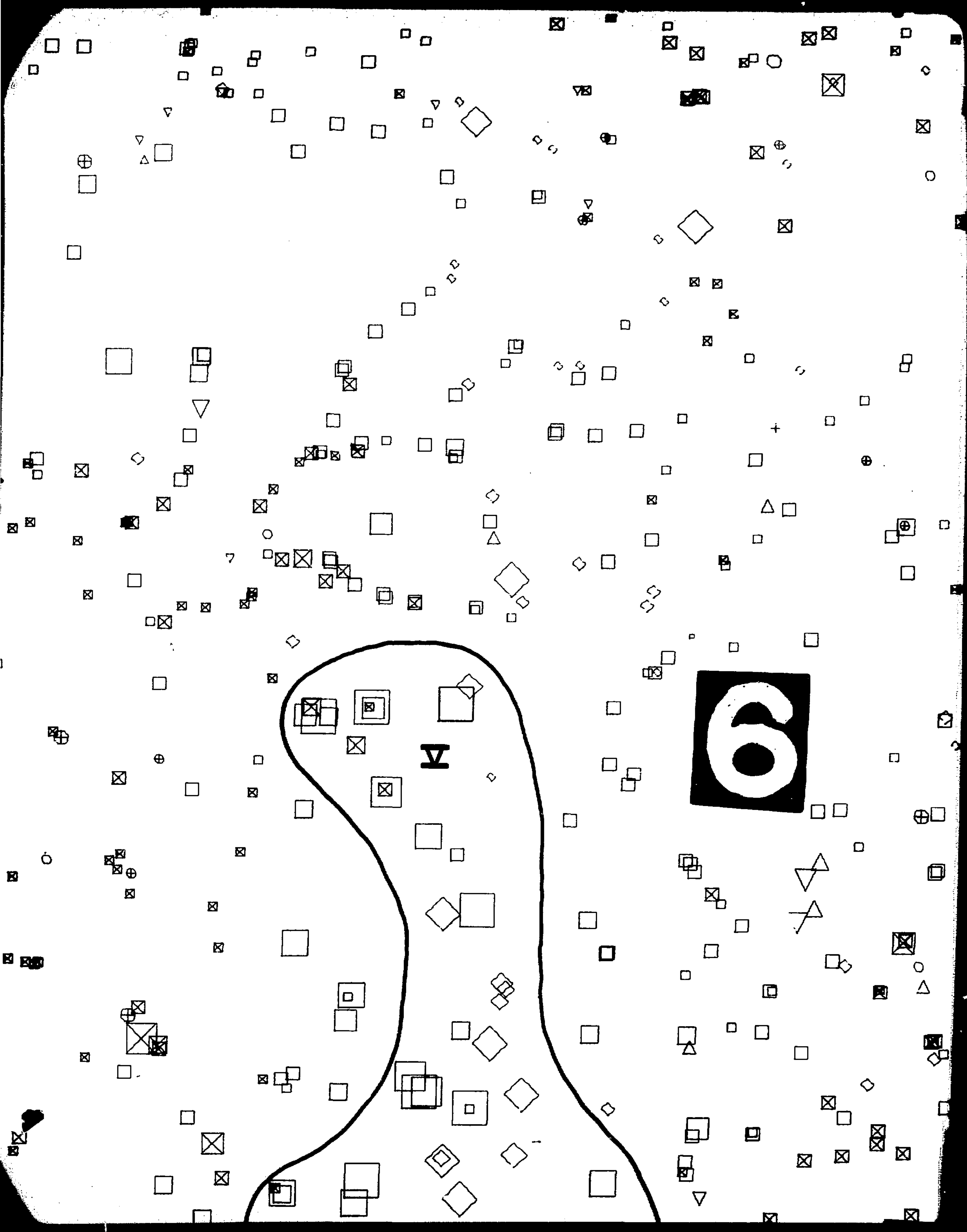

5°00′
45′
30′
3

PLATE III




30′
15′
5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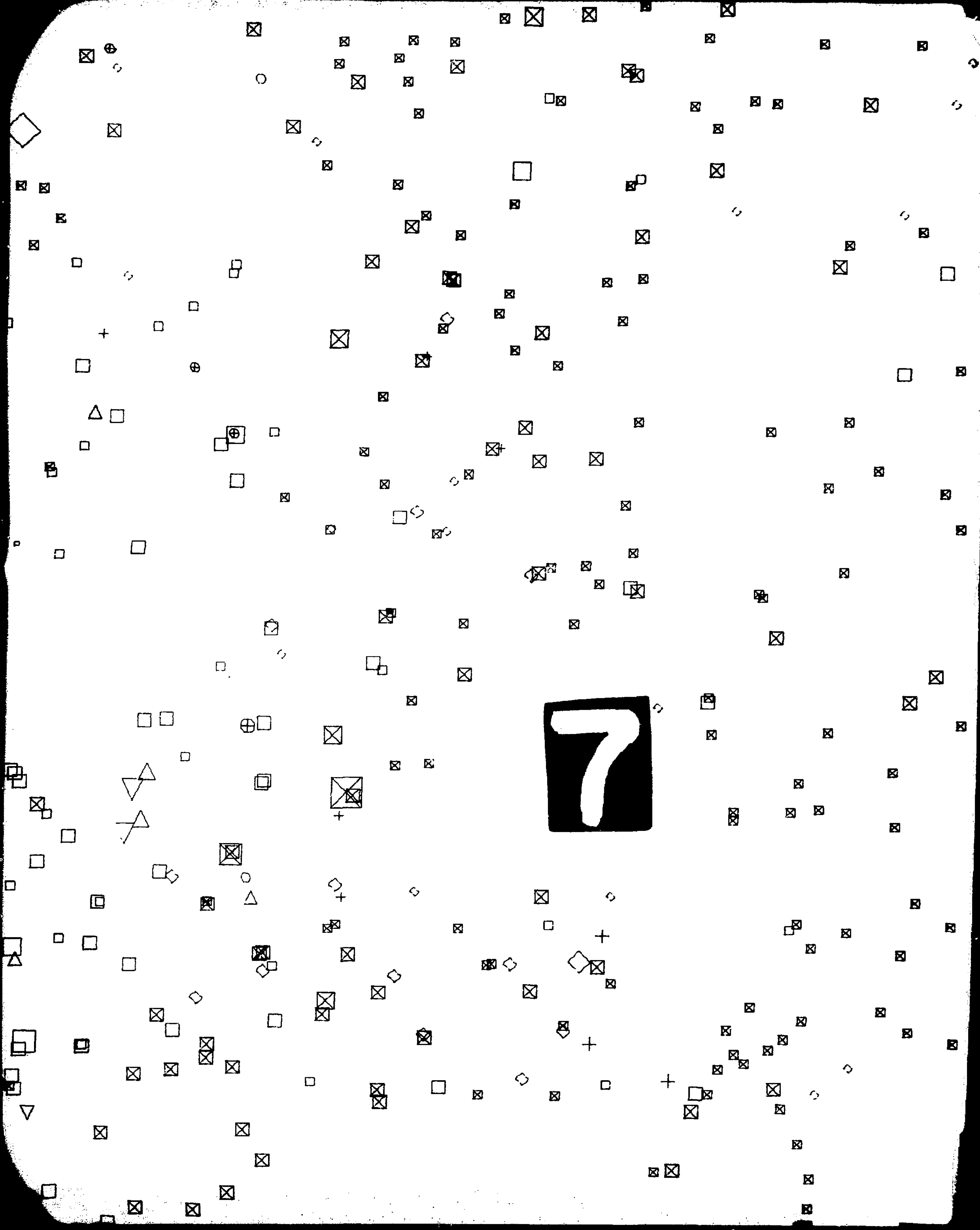
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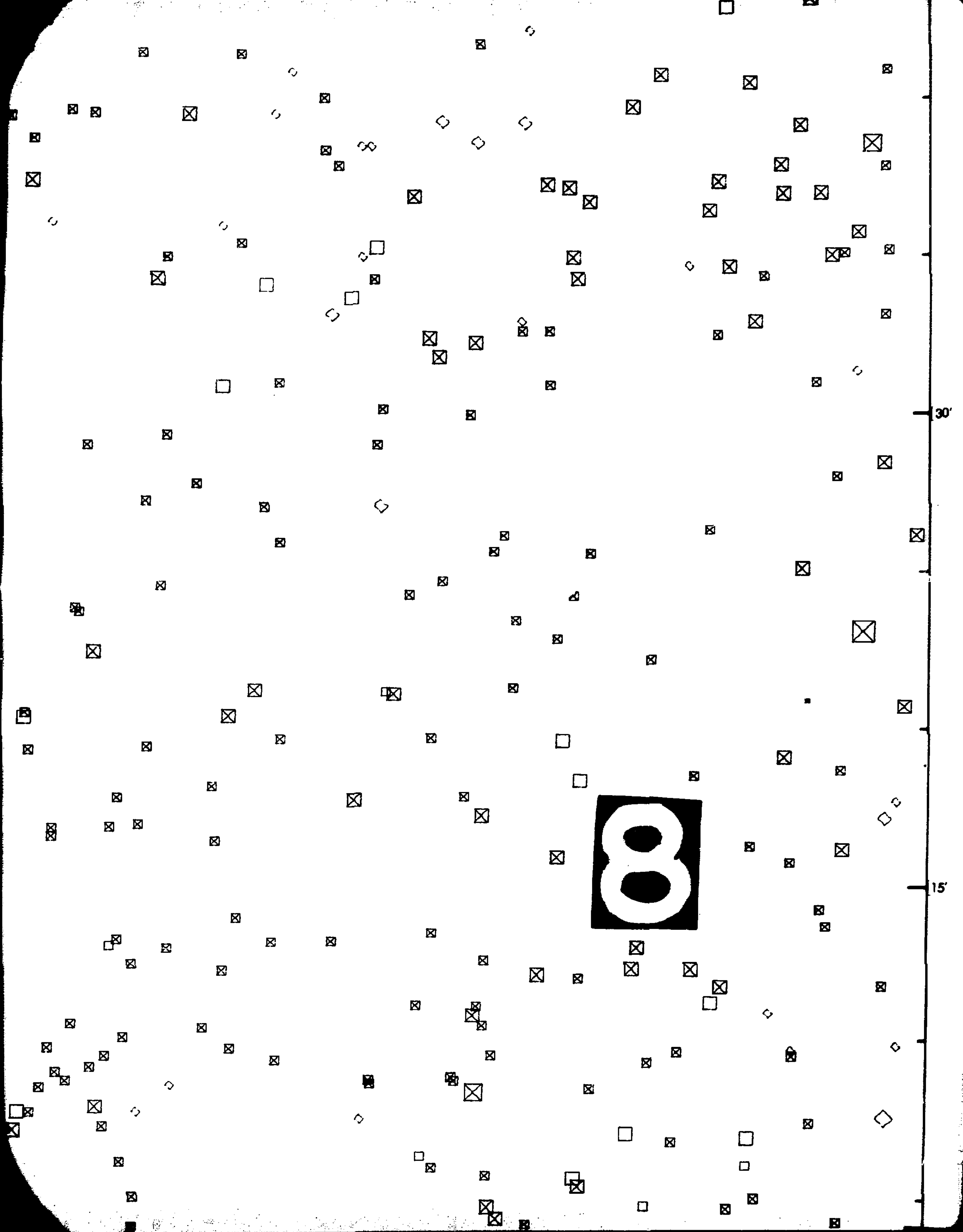
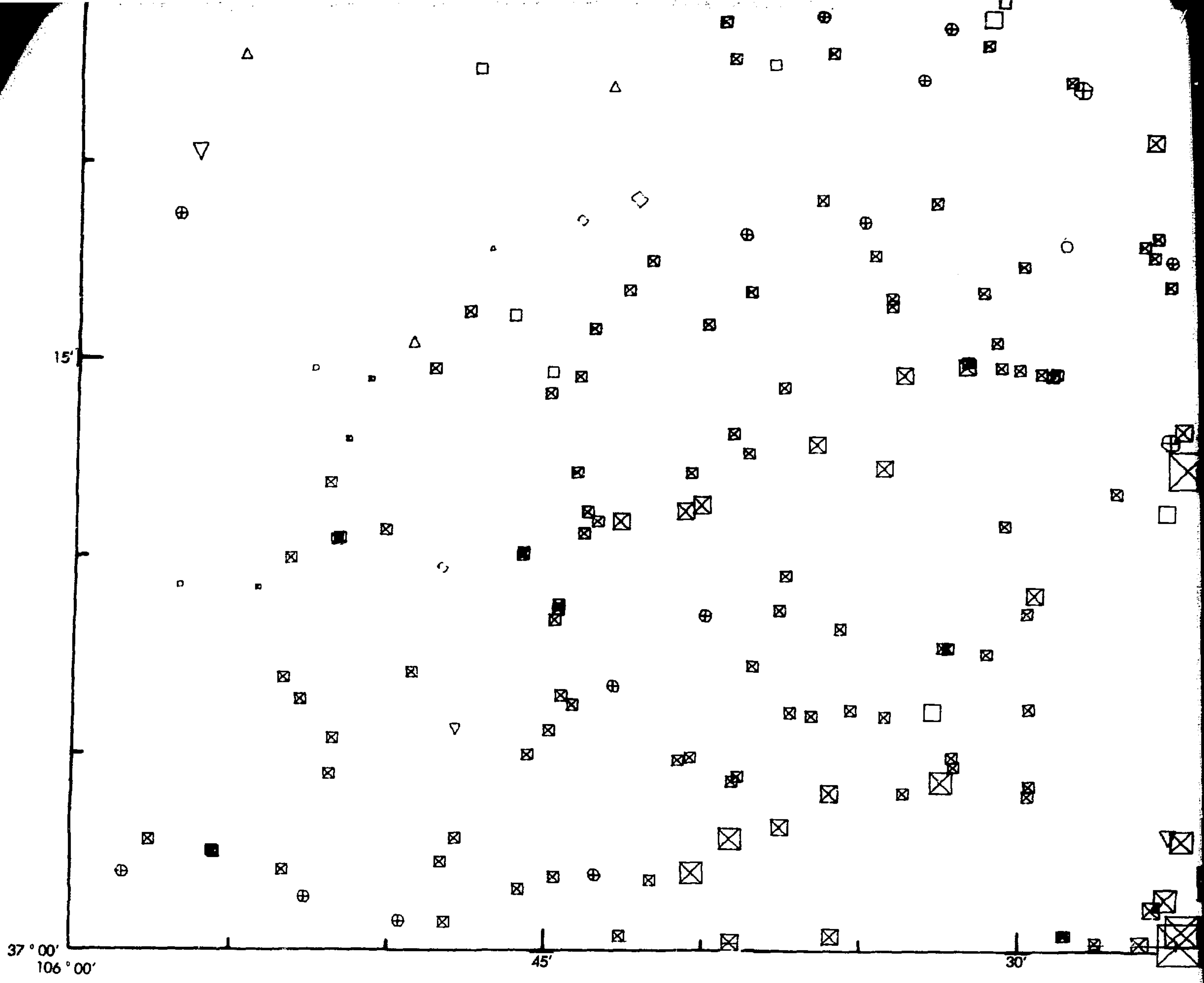
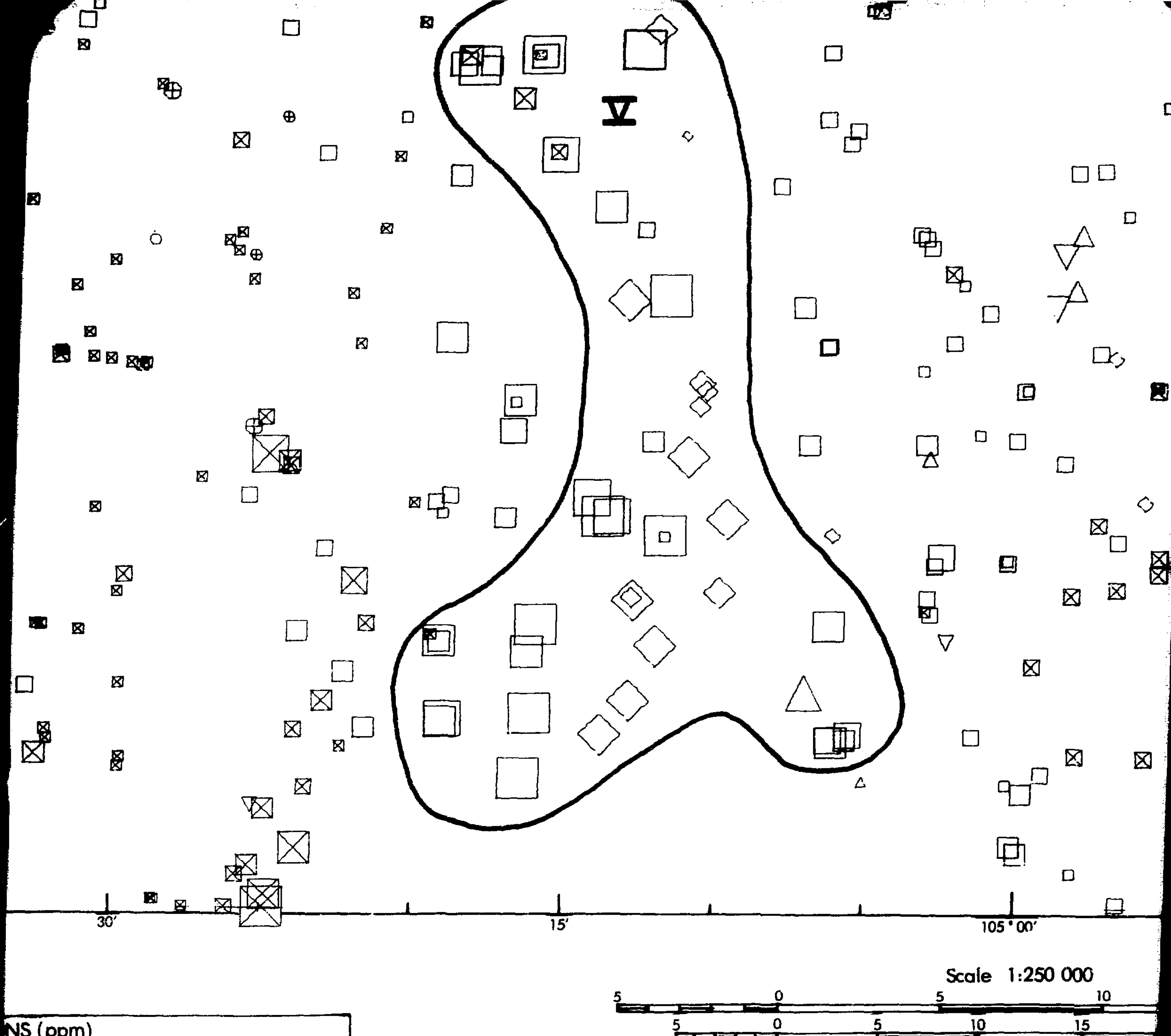

30'
15'
8

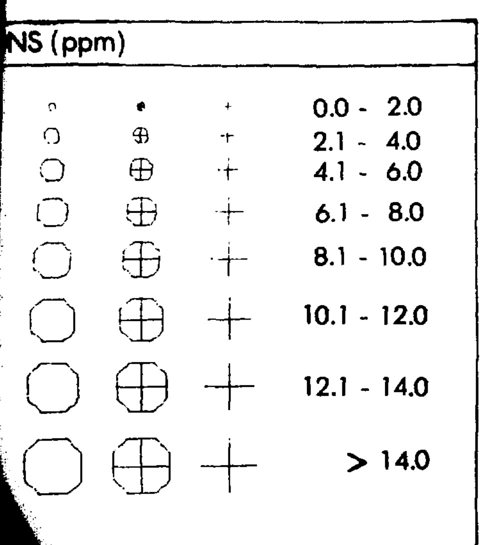


LEGEND

SYMBOLS	CONCENTRATIONS (ppm)
Wet Spring	0.0 -
Wet Stream	2.1 -
Wet Natural Lake or Pond	4.1 -
Wet Artificial Lake or Pond	6.1 -
Dry Stream	8.1 -
Dry Natural Lake or Pond	10.1 -
Dry Artificial Lake or Pond	12.1 -
Other Sediment (Dry Spring)	>

9



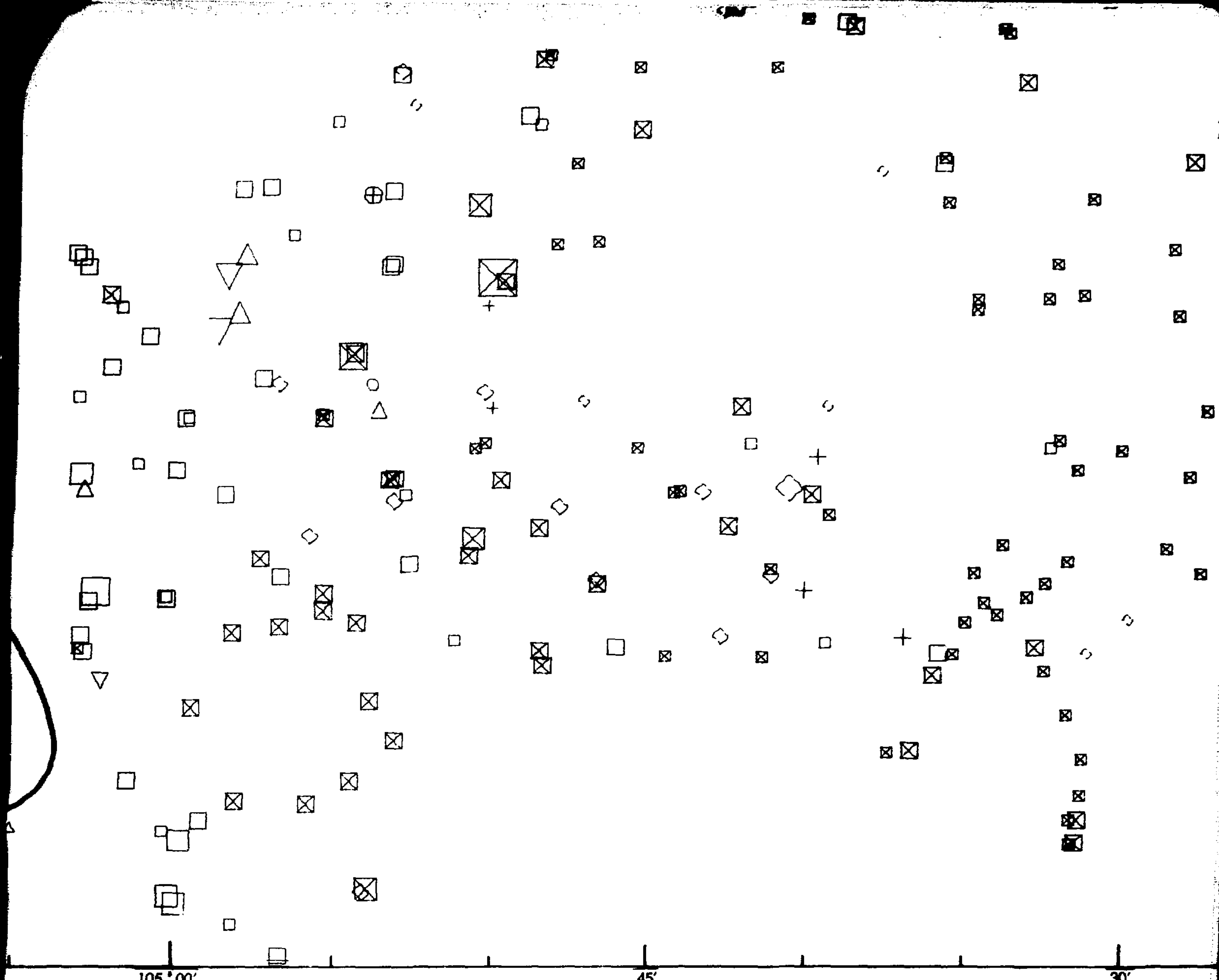


URANIUM CONCENTRATIONS (

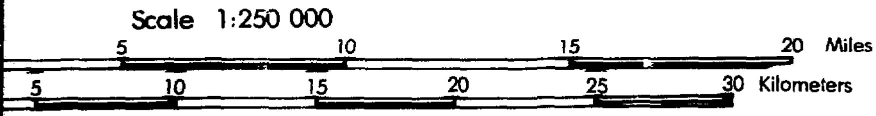
OVERLAY TO

TRINIDAD NTMS QUADRAN

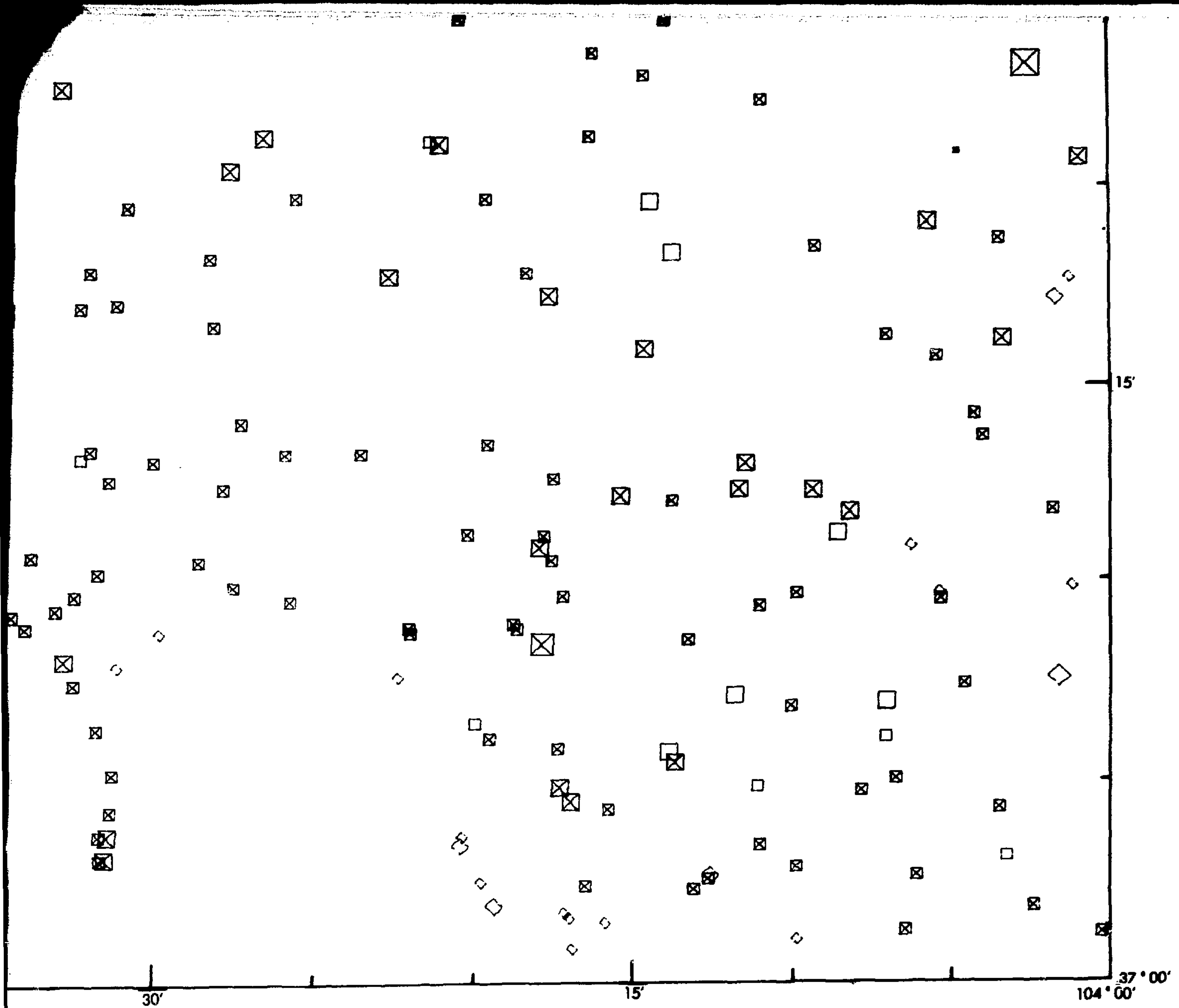
10



Scale 1:250 000



TRATIONS (ppm) IN SEDIMENTS
ERLAY TO THE
QUADRANGLE, COLORADO



Anomalous Sample Cluster

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