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INDEX

**Uranium Hydrogeochemical and Stream Sediment Reconnaissance  
of the Northern Part  
of the Powder River Basin, Wyoming**

by

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URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE  
OF THE NORTHERN PART  
OF THE POWDER RIVER BASIN, WYOMING

by

Wayne A. Morris

ABSTRACT

During the spring and summer of 1976, 2144 water and water-transported sediment samples were collected from 1685 locations spread over an approximate 21 000 km<sup>2</sup> area of the northern end of the Powder River Basin in northeast Wyoming. All of the samples were analyzed for total uranium at the LASL, using standardized procedures and rigorous quality controls--the waters by fluorometry and the sediments (and those waters with >10 ppb uranium) by delayed-neutron counting. The 1178 water samples were collected from 111 streams, 19 natural ponds, 142 springs, 186 artificial ponds, and 720 wells. The 966 sediment samples were collected from 108 active streams, 415 dry streams, 20 wet natural ponds, 9 dry natural ponds, 131 flowing springs, 12 dry springs, 170 wet artificial ponds, and 101 dry artificial ponds. All of the field collection, treatment, and packaging of the samples was performed following strict LASL specifications. The uranium concentrations measured in the waters range from undetectable (<0.2 ppb) to 295.8 ppb and have a mean value of 7.3 ppb. The high uranium concentrations in the waters of this area are thought to be due primarily to a general abundance of readily soluble uranium in the Wasatch and Fort Union formations throughout the Powder River Basin. Those locations which have abnormally high uranium were examined more closely, and follow-up field examinations are recommended in the vicinity of some of these sites. The uranium content of the sediment samples ranges from 0.5 to 11.2 ppm and has a mean value of 3.4 ppm. Sample locations with anomalous uranium values were examined with respect to the local geology and other relevant factors, and an area believed to be favorable for a follow-up field investigation is indicated. A distinct correlation between the high uranium in waters and sediments and the Wasatch and Fort Union formations, which are associated with nearby producing uranium districts, is evident at several locations.

## I. INTRODUCTION

This report describes work done by the Los Alamos Scientific Laboratory (LASL) as part of the nationwide Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) for uranium. The work is part of the National Uranium Resource Evaluation (NURE) program, being sponsored by the US Energy Research and Development Administration (ERDA), to determine whether the potential uranium resources of the US will meet future needs for nuclear power generation. The HSSR is designed to identify areas having higher than normal concentrations of uranium in ground waters, surface waters, and water-transported sediments and to aid private industry in selection of areas for exploration. The region assigned the LASL for the reconnaissance includes the Rocky Mountain states of New Mexico, Colorado, Wyoming, and Montana and the state of Alaska.

## II. DESCRIPTION OF STUDY AREA

The study area dealt with covers the northern portion of the Powder River Basin in northeast Wyoming (Fig. 1). Water and sediment samples were collected by a commercial contractor from 1620 sample locations between late March and early July 1976. Some 65 additional locations were sampled in September 1976 to fill gaps in the areal coverage. The sample locations were specified by the LASL, and the samples were collected using maps, field equipment, and materials furnished by the LASL. Standardized field and analytical procedures developed by the LASL (Sharp, 1977) were utilized throughout the work so the data of this study could be compared with those of other LASL HSSR reports.

### Location

The study area is shown in relation to surrounding structural features in Fig. 2. The Powder River Basin lies along the eastern flank of the Rocky Mountains in northern Wyoming and southern Montana. In Wyoming, it is bounded on the west by the Bighorn Mountains, on the south by the Hartville uplift, Casper arch, and Laramie Mountains, and on the east by the Black Hills. To the north, it extends into Montana where it is separated by low arches from the Great Plains. The study area, proper, spreads across 21 000 km<sup>2</sup> of the northern end of the Powder River Basin, lapping onto the eastern flank of the Bighorn Mountains. It is bounded by 107° 7.5' W longitude on the west, 105° W longitude on the east, 44° N latitude on the south (between 105° and 106° 30' W longitude), and 45° N latitude on the north (Montana state line). In the southwest corner of the area, the boundary runs from 44° N latitude, 106° 30' W longitude, southeast to the intersection of 43° 30' N latitude and 106° W longitude, then west along 43° 30' N latitude to 107° 7.5' W longitude (Figs. 1 and 2). The irregularity of the southern boundary resulted when the Pumpkin Buttes uranium mining district was eliminated from this reconnaissance in 1976 at the request of the ERDA.

### Geographic Setting

The area covers parts of three National Topographic Map Series (NTMS) map sheets (1:250 000-scale): the west half of the Gillette sheet, the east half of the Sheridan sheet, and part of the northeast quarter of the Arminto sheet. It is traversed from west to east by I-90 and from south to north by I-25 and has three other main hard-surfaced roads. The area is populated by approximately 35 000 people. Sheridan, the largest town in the area, has over

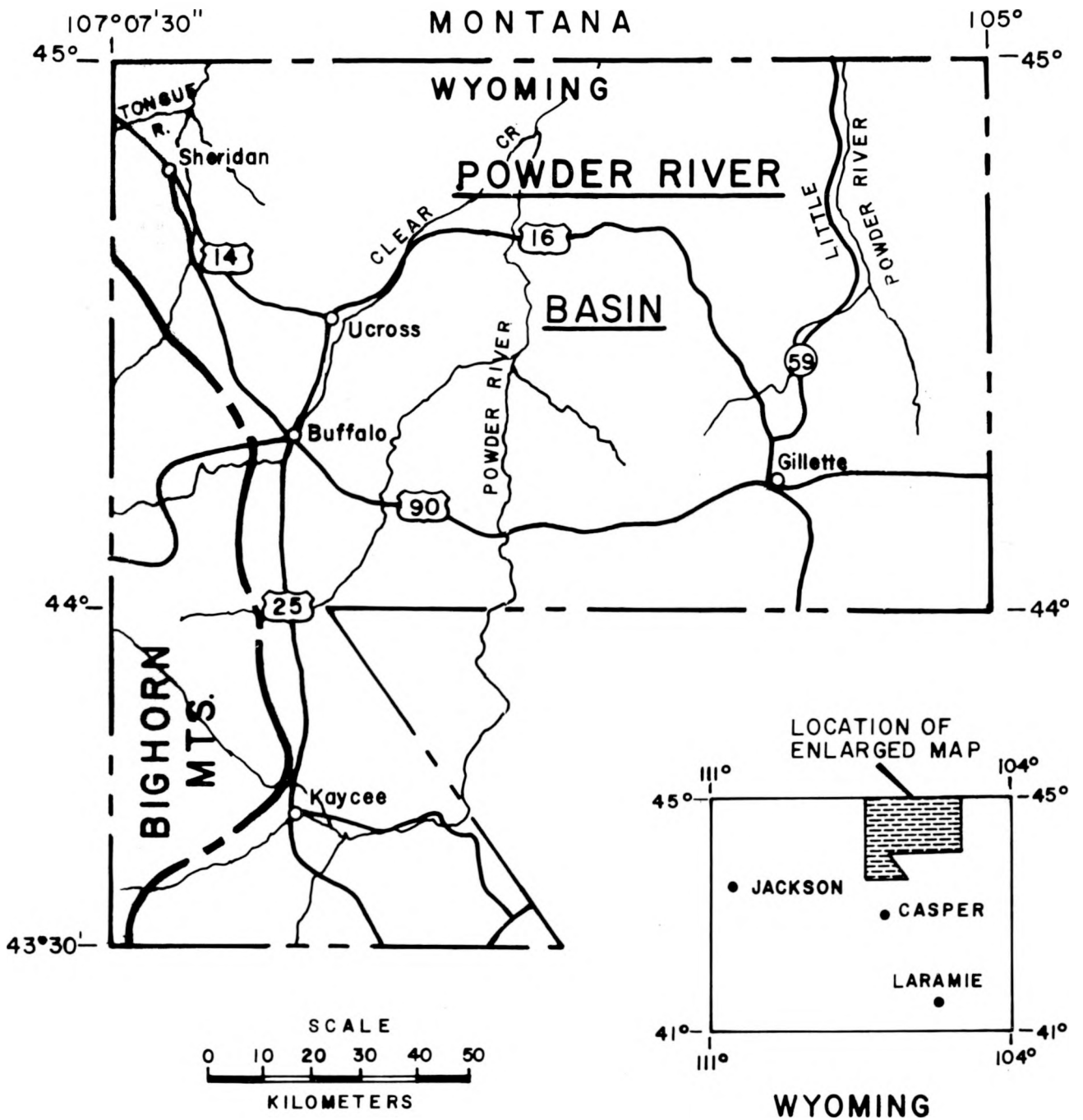


Fig. 1

Powder River Basin study area, northeast Wyoming.

11 000 residents; Gillette, the second largest, has 7300; and Buffalo, 3500. Gillette is growing rapidly due to the recent expansion of the coal, oil, and gas industries there. The major activities in the area are coal mining, oil and gas production, agriculture, and government. Uranium mining has been an important industry to the east and south of the study area during the last 25 years (Fig. 2). The land ownership is about 68% private, 25% federal, and 7% state.

Elevations in the study area vary from 4030 m at Cloud Peak in the Bighorn Mountains to 1040 m at the bottom of the Powder River drainage where it enters Montana. Most of the basin is below 1530 m elevation, is of low relief, and slopes to the east and north. Vegetation in the basin is principally sagebrush, native grasses, and prickly pear, although dense growths of willows, ash, and cottonwoods flourish along some river valleys. At higher elevations, the slopes and uplands in the Bighorn Mountains support large stands of pine, spruce, and cedar trees. Aspen groves thrive in the mountain meadows. Above the timberline the vegetation is largely restricted to moss, lichens, dwarf willows, and a sparse cover of hardy native grasses in protected areas (Whitcomb et al, 1966).

### Climate

The Powder River Basin has a cool, semiarid climate due to the combination of its relatively high elevation and its location immediately east of the Bighorn Mountains. The Bighorns, with elevations above 3500 m, strip most of the moisture from the westerly winds that prevail over Wyoming. Also, these westerlies tend to block moist air masses from Canada or the Gulf of Mexico from moving into the basin, particularly in the winter when they are strongest and most predominant. This accounts for the extremely dry winter months which average less than 13 mm of precipitation. Occasionally, fast-moving winter storms come in from the north and east, causing heavy precipitation when the air is uplifted and cooled as it approaches the mountains. These upslope winds also account for the heaviest amounts of precipitation in the basin during late spring and early summer when the winter westerlies become less predominant and moist air from the Gulf of Mexico circulates into the basin. Thermally-induced thunderstorms account for large amounts of precipitation near the mountains during the summer months. The annual precipitation in the study area averages between 280 mm in the central basin to 500-650 mm in the higher elevations of the Bighorn Mountains. About half of the annual precipitation occurs in late spring and early summer; about a third of the total falls as snow, with the heaviest accumulations in December and early spring.

However, most of the Powder River Basin averages less than 350 mm of precipitation a year and has a generous amount of sunshine the year around. Summer days are hot throughout the basin, with temperatures near 30°C, but the nights are cool, around 10°C. Winter temperatures, which average 2-5°C for daytime highs and -12°C for nighttime lows, are moderated by "Chinook" or down-slope winds, which are heated by compression as they descend from higher elevations. Due to the air-mass control of the climate of the basin, large, rapid changes in the temperature can be expected throughout the year. Extreme temperatures of near 38°C in summer and -40°C in winter have been recorded. Additional information on the climate of the Powder River Basin is provided by Becker and Alyea (1964a and b).

Except for late May and all of June, which were much wetter than usual, the weather during the sampling period was slightly warmer and wetter than normal. In the eastern part of the study area, the amount of precipitation

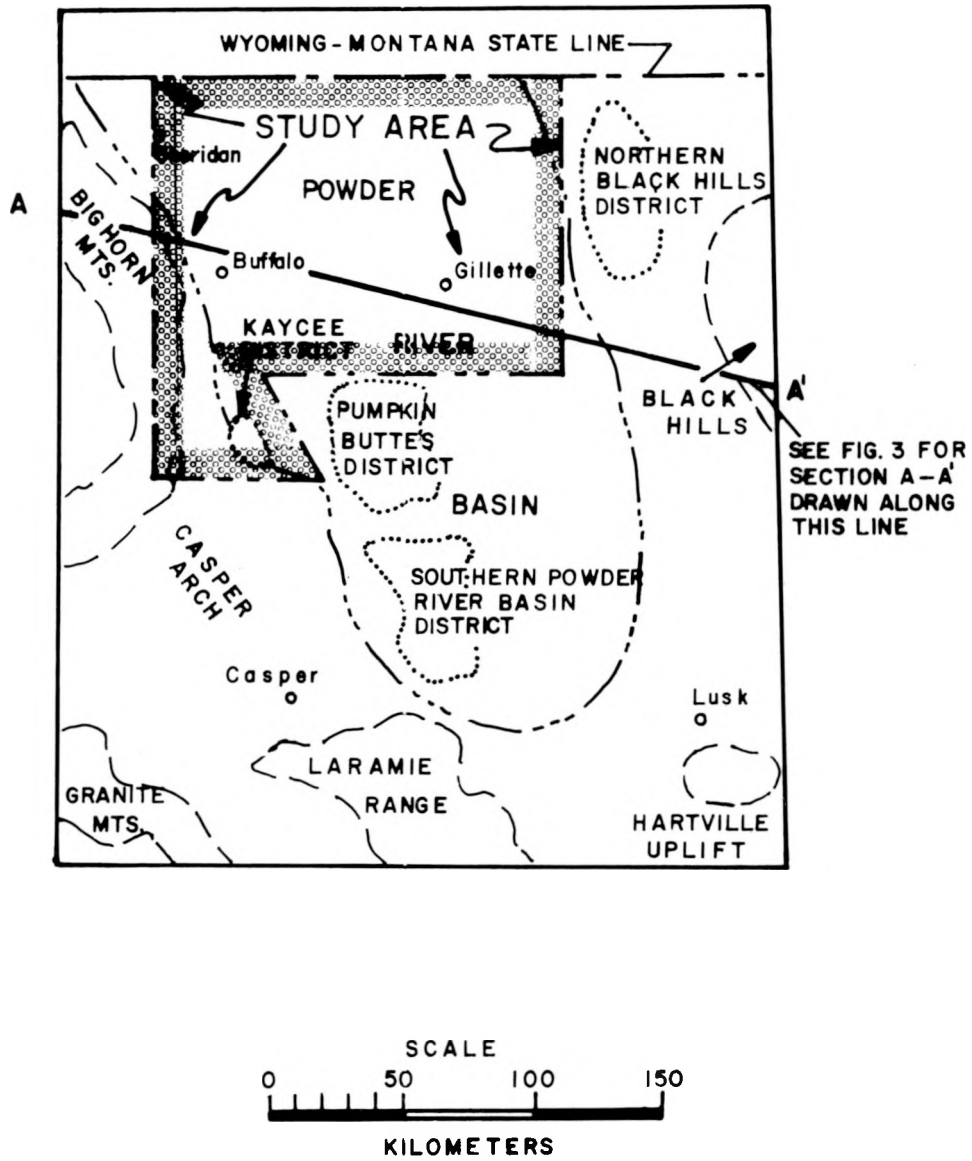


Fig. 2

Major structure of the Powder River Basin, showing known uranium districts.

during May was about twice the normal average of 50 mm for that month. During June, the normal average of 100 mm was exceeded by roughly an equal amount throughout the whole study area. Heavy, basin-wide rains of 25-50 mm fell on May 30 and June 6, 14, and 23. Some rain (a trace to 15 mm) fell almost every day from June 6 to 18 (NOAA, 1976).

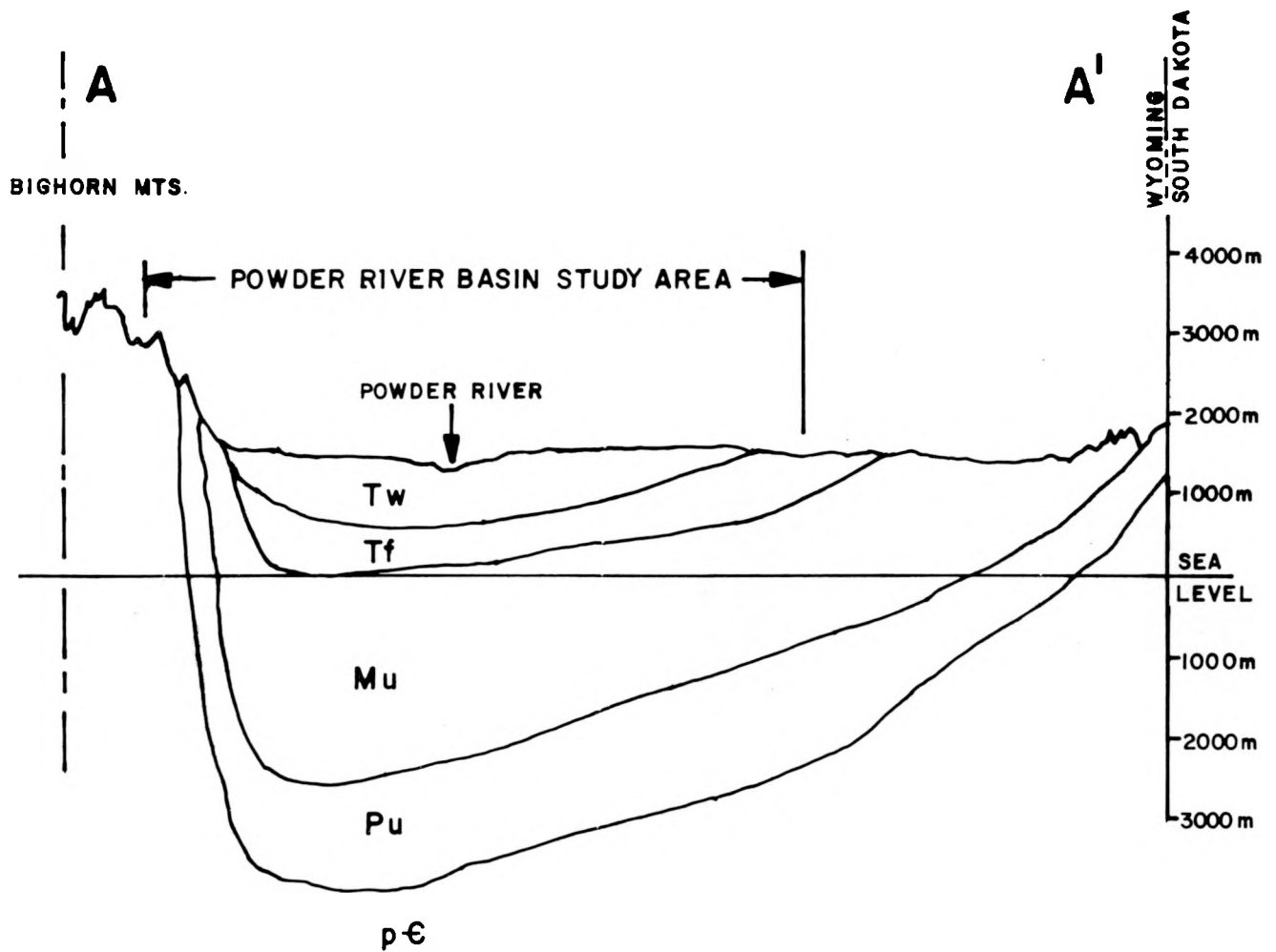
### Hydrology

The Powder River Basin study area is drained to the north by the Tongue, Powder, and Little Powder River systems and to the east by the Belle Fourche and Little Missouri River systems. Except for streams in the mountains and the few large rivers, the area has little surface water during much of the year. The evaporation potential in most of the basin is several times higher than the total precipitation. Consequently, except for the surface runoff after storms, much of the surface water, snow, and soil moisture is lost to the atmosphere by evaporation. However, an even balance between the recharge and discharge of the ground water system is indicated by only slight variation in the water levels in observation wells. Recharge of the ground water system is mainly from precipitation in the basin and from precipitation, irrigation, and mountain streamflow near the Bighorn Mountains. Discharge is mainly due to the pumping of wells, evaporation, and transpiration by vegetation.

The predominant use of ground water in the Powder River Basin is for domestic and livestock purposes, although some irrigation wells have been developed from the Madison limestone (Mississippian) along the Bighorn Mountains. The main aquifers throughout most of the basin are the Fort Union and Wasatch formations. The ground waters in these formations are usually close to the surface (within 30 m), but wells generally yield less than one liter per second. Flowing wells are abundant, particularly in the north and northeast portion of the basin. Much of the water from both formations is undesirable for domestic use because of the high level of dissolved solids (generally 500-1500 mg/l, with highs of 8000 mg/l), and some water is unfit for watering stock. The ground water potentials of the Paleozoic and Mesozoic formations, which are deeply buried throughout most of the basin, are largely unknown. Except near the Bighorn Mountains, where the alluvium is thicker and has better recharge, alluvial flood plains along the major rivers of the basin generally do not produce water. Detailed information on the potential water supply of the geologic formations of the Powder River Basin, and on the quantity and quality of both surface and ground water, is provided by Kohout (1957), Lowry and Cummings (1966), Whitcomb et al (1966), Hodson (1971), Hodson et al (1973), and Breckenridge et al (1974), among others.

### Geology

The Powder River Basin is a northwest-trending structural and topographic basin which formed in the Rocky Mountain foreland during the Laramide Orogeny in late Cretaceous-early Tertiary time. It is located in northeast Wyoming and southeast Montana, along the Powder River drainage. In Wyoming, it is surrounded by the Bighorn Mountains on the west, by the Black Hills monocline on the east, and by the Hartville uplift, the Laramie Mountains, and the Casper arch on the south (Fig. 2). It is asymmetric, with a steeply-dipping western limb ( $\sim 30$  degrees) and a gently-dipping eastern limb ( $\sim 3$  to 5 degrees), as shown considerably exaggerated in Fig. 3. The axis of the basin is located west of the Powder River, as shown on Plate I, the generalized geological map of the study area.



**Tw** - WASATCH FORMATION

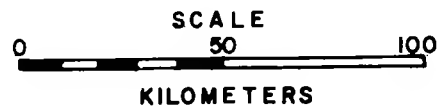
**Tf** - FORT UNION FORMATION

**Mu** - MESOZOIC - UNDIFFERENTIATED

**Pu** - PALEOZOIC - UNDIFFERENTIATED

**p-C** - PRECAMBRIAN

(AFTER RENFRO AND FERAY, 1975)



VERTICAL EXAGGERATION = 20X

Fig. 3

East-west section across the Powder River Basin.

The thickest sedimentary section in the basin, comprised of 5500 m of Cambrian to Tertiary (Eocene) strata, is located alongside the Bighorn Mountains in the southwest corner of the study area. The west edge of the basin section has been sharply folded and faulted along a narrow zone on the eastern flank of the Bighorn Mountains, where near-vertical to overturned Paleozoic and Mesozoic sedimentary rocks are exposed. The Bighorn Mountains themselves are an erosional remnant of an asymmetric, north- to northwest-trending anticlinal uplift with its steep limb forming the west edge of the Powder River Basin (Darton, 1906). The most rugged parts of the range and the maximum structural relief are found just west of Buffalo along the western edge of the study area.

Precambrian igneous and metamorphic rocks are exposed at the higher elevations in the core of the Bighorn uplift. Paleozoic and Mesozoic strata are exposed in the narrow, highly deformed belt along the eastern flank of the Bighorns, in the southern end of the Bighorn uplift (where the mountains have less relief and elevation) and, to a lesser extent, along the east side of the Powder River Basin parallel to the west edge of the Black Hills monocline. These pre-Tertiary sediments consist of a thin sequence of carbonate and clastic marine sediments deposited along a craton-shelf boundary. Many of the Paleozoic and Mesozoic formations differ greatly in their lithologies from west to east and, to a lesser extent, from south to north within the basin. Because of these lateral variations in lithologies, different nomenclatures are often used for equivalent geologic units on opposite sides of the basin, as shown in Fig. 4 (Hodson et al, 1973). Up to 1300 m of Tertiary rocks lie beneath the surface of the major portion of the basin. Sedimentary rocks of the Fort Union (Paleocene) and Wasatch (Eocene) formations are extensively exposed over nearly equal areas. The Fort Union formation, exposed around the basin rim, consists of fine-grained sandstone and interbedded shale, carbonaceous shale, and coal. The Wasatch formation, exposed in the center of the basin, consists of fine- to coarse-grained, lenticular sandstones and interbedded shale, also with coal.

A regional uplift which began at the close of the Pliocene established the master stream system that exists today. Deposition ceased at that time and erosion of the sediments and volcanic debris that were deposited during late Tertiary began, reexcavating the buried mountains and removing all the Pliocene, Miocene, and Oligocene formations from the basin study area (Houston, 1969; Childers, 1970). Also, parts of older sedimentary formations which are of interest to the uranium geology of the basin (particularly the Wasatch formation) have been removed from the northern end of the Powder River Basin (Bendix Field Engineering Corp., 1976). The detailed geology of the Powder River Basin is described at some length by Darton (1906), Kohout (1957), Thomas (1957), Strickland (1958), Cooper et al (1963), Sharp et al (1964), Lowry and Cummings (1966), Houston (1969), Enyert (1970), McGrew (1971), Renfro (1971), Hodson et al (1973), Breckenridge et al (1974), Wendell et al (1976), and Bendix Field Engineering Corp. (1976) and need not be repeated here.

### III. REPORTED URANIUM OCCURRENCES IN THE STUDY AREA

Since uranium was first discovered near Lusk (Niobrara County), Wyoming, in 1918, approximately 600 uranium mines, prospects, and occurrences have been reported throughout the state by a number of workers, including Butler et al (1962), Osterwald et al (1966), and Harshman (1968). Elevatorski (1976) has

ERA	SYSTEM	SERIES	GEOLOGIC UNITS			
			West side of Powder River Basin		East side of Powder River Basin	
MESOZOIC	JURASSIC	Upper	Morrison Formation			
			Sundance Formation			
	Middle	Gypsum Spring Formation				
TRIASSIC			Chugwater Formation	Spearfish Formation		
			Goose Egg Formation (includes equivalent rocks in northwest part of area)	Minnekahta Limestone Opeche Shale		
PENNSYLVANIAN			Tensleep Sandstone	Hartville Formation	Minnelusa Formation	
			Amsden Formation			
MISSISSIPPIAN	Upper		Madison Limestone	[Hatched pattern]		
	Lower		(includes Jefferson Formation of Late Devonian age in extreme northwest part of area)			
DEVONIAN	Upper		[Hatched pattern]	Guernsey Formation	Englewood Formation	
					Pahasapa Limestone	
ORDOVICIAN	Upper			Whitewood Dolomite		
	Middle		Bighorn Dolomite	Winnipeg Formation		
	Lower		[Hatched pattern]	Deadwood Formation		
CAMBRIAN	Upper		Gallatin Formation	[Hatched pattern]		
			Gras Ventre Formation			
	Middle		Flathead Sandstone			
PRE CAMBRIAN			Igneous and metamorphic rocks			

(AFTER HODSON, PEARL AND DRUSE)  
1973

ERA	SYSTEM	SERIES	GEOLOGIC UNITS			
			West side of Powder River Basin	East side of Powder River Basin		
CENOZOIC	QUATERNARY	Pleistocene and Holocene	Alluvium			
			Landslide deposits			
			Windblown sand			
			Glacial deposits			
	TERTIARY	Pleistocene	Arikaree Formation			
		Miocene	White River Formation			
		Oligocene	Wasatch Formation			
		Eocene	Fort Union Formation			
		Paleocene	Intrusive rocks			
		Paleocene(?)				
		MESOZOIC	CRETACEOUS	Upper	Lance Formation	Fox Hills Sandstone
					Lewis Shale	Pierre Shale
	Mesaverde Formation					
	Cody Shale			Niobrara Formation		
	Frontier Formation			Carlile Shale		
Lower				Greenhorn Formation		
				Belle Fourche Shale		
			Mowry Shale			
			Thermopolis Shale	Newcastle Sandstone		
				Skull Creek Shale		
		Cloverly Formation	Inyan Kara Group	Fall River Formation		
				Lakota Formation		

Fig. 4. Geologic units of the Powder River Basin.

presented them in a complete and thorough review on the uranium geology and mineralization of the individual uranium districts, the areas of mineralization, and the occurrences found in 20 of the 23 counties in Wyoming. The uranium mineralization in the Mayoworth area is west of the Powder River Basin, but lies within the study area. The Northern Black Hills district, in Crook County, is outside the Powder River Basin, immediately east of the study area. The Pumpkin Buttes and Southern Powder River Basin districts, in Campbell and Converse Counties, are within the Powder River Basin but south of the study area. The Kaycee uranium district and Pine Ridge mineralized area are in the Powder River Basin and within the study area (Glass et al, 1975). The uranium districts are shown in Fig. 2; the Kaycee district and 15 other uranium occurrences are shown on Plate I.

Principal host rocks for uranium mineralization in the Powder River Basin are the permeable arkosic sandstones of the Fort Union and Wasatch formations, which were deposited by a master paleostream system that originated in the Precambrian granitic rocks of the Laramie and Granite Mountains to the south and southwest of the basin (Houston, 1969; Childers, 1970). The Fort Union host produces uraninite and coffinite; the Wasatch, carnotite, tyuyamunite, uranyl-vanadates, and uranophane (Elevatorski, 1976). In the Mayoworth area, beyond the basin, uranium mineralization occurs in the Sundance and Morrison formations (Jurassic) and the Tensleep formation (Pennsylvanian). In the northern Black Hills district, uranium has been produced from sandstones of the Lakota and Fall River formations of the Inyan Kara group (Cretaceous). Although abundant host rocks of the Fort Union and Wasatch formations are present in the northern Powder River Basin, the favorability for uranium mineralization of an area in eastern Johnson and southwest Campbell Counties (where favorable host rocks are on trend with those containing major uranium deposits in the Pumpkin Buttes and Southern Powder River Basin districts) has been rated only as "moderate," while the favorability rating for the rest of the Powder River Basin in Wyoming and Montana has been rated as "poor" (Bendix Field Engineering Corp., 1976).

The possible sources of the uranium mineralization in the Powder River Basin are discussed at length in several reports, including those by Sharp and Gibbons (1964), Houston (1969), Davis (1970), Harshman (1970), DeNault (1974), Langen and Kidwell (1974), and Bendix Field Engineering Corp. (1976). Most papers favor as the source the volcanic debris of the Oligocene White River formation (which once covered the basin), the arkosic host sandstones themselves, the Precambrian granitic rocks of the Granite and Laramie Mountains (from which the arkoses were derived), or some combination of these. However, there are no connections suggested between the uranium mineralization in the Powder River Basin and that found in the Black Hills.

The reported uranium occurrences in the Powder River Basin study area, as shown on Plate I, are set forth in Table I. Comments concerning the principal mines, host rocks, and type of occurrence or major uranium minerals at each location are also included in this table.

#### IV. STATISTICAL DATA AND EVALUATION OF URANIUM CONCENTRATIONS IN WATER

A total of 1178 water samples were collected and analyzed in this study. The sample locations are shown on Plate II. Note on Plate II that 200 000 has been subtracted from each of the sample location numbers as set forth in the data listings of Appendix A. The uranium concentrations are shown graphically for the waters on Plate III. These two plates overlay the

TABLE I  
REPORTED URANIUM OCCURRENCES IN THE POWDER RIVER BASIN STUDY AREA

<u>Location Number<sup>a</sup></u>	<u>Name</u>	<u>Location by Sectional Subdivision</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Comments</u>
1.	Kaycee	T43N, R80W, Sec 8 & 9	43°43'N	106°29'W	Desert Queen Mine and others. Uranium and vanadium oxides in reddish arkosic sandstones of Fort Union formation.
2.	Pine Ridge	T42N, R78W, Sec 3 & 4 T43N, R78W, Sec 33	43°38'N 43°39'N	106°14'W 106°14'W	Del and Kell Ray Mines. Bossy Mine. Uraninite and coffinite in fine-grained sandstones, Fort Union formation.
3.	Masek Claim	T44N, R83W, SW $\frac{1}{4}$ of Sec 3	43°48'N	106°49'W	Meta-tyuyamunite in oolitic limestone, Sundance formation.
4.	Radioactive Dinosaur Bones	T44N, R83W, NE $\frac{1}{4}$ of Sec 14	43°47'N	106°47'W	In sandstone, Morrison formation.
5.	Jeri Meri Mine	T43N, R83W, SE $\frac{1}{4}$ of Sec 5	43°42'N	106°50'W	Coffinite, Tensleep formation.
6.	Taylor	T42N, R77W, Sec 29	43°36'N	106°09'W	Uranium in sandstone, Fort Union formation.
7.	Jim Dandy	T42N, R77W, Sec 18	43°37'N	106°09'W	Uranium in gray to brown sandstone, Fort Union formation.
8.	Campbell #1	T44N, R79W, Sec 18	43°37'N	106°23'W	Uranium in sandstone, Wasatch formation.
9.	Occurrence	T47N, R84W, Sec 3	44°05'N	106°58'W	Vein type deposit.
10.	Big Tar	T47N, R74W, Sec 29 & 30	44°01'N	105°45'W	Wasatch formation.
11.	Christenson Ranch	T47N, R76W, Sec 28	44°00'N	105°59'W	Wasatch formation.
12.	Happy #19	T41N, R77W, Sec 11	43°32'N	106°05'W	
13.	Hanna Mine and others	T42N, R77W, Sec 23	43°36'N	106°05'W	
14.	Ramsbottom Prospect	T47N, R83W, Sec 32	44°01'N	106°52'W	Vein type uranium occurrence.
15.	Happy #1	T41N, R77W, Sec 26	43°30'N	106°05'W	Uranium in sandstone, Fort Union formation.
16.	Occurrence	T49N, R83W, Sec 29	44°11'N	106°52'W	

<sup>a</sup> used to indicate locations on Plate I.

geologic map, Plate I, and the portions of the Gillette, Sheridan, and Arminto NTMS topographic maps included on them. The location, site description, field measurements, and uranium content of each water sample are listed in Appendix A. All waters analyzed by fluorometry were done in duplicate with the uranium values shown being the average of the two determinations. The method utilized has been described in detail by Hues et al (1977). Occasionally, one split of a sample would result in a concentration at or slightly above the lower detectable limit (0.2 parts per billion (ppb)), while the other was below the limit. In such cases, the lower concentration of uranium (<0.2 ppb) was arbitrarily assigned a value of 0.1 ppb, then averaged with the higher value. All of the uranium values for waters in the data listings of Appendix A between 0.1 and 0.2 ppb, then, were arrived at in this manner. Samples with uranium concentrations above 10 ppb, which could not readily be analyzed by fluorometry without recalibration, were done by delayed-neutron counting (DNC) in the manner described by Sharp and Aamodt (1976). Statistical analyses of samples treated in the same way from New Mexico (Whiteman, 1977) and from Colorado (Sharp and Aamodt, 1976) have shown that there is no significant difference between the uranium concentrations in water determined at the LASL by fluorometry and those determined by DNC. The field data for a few samples are missing; in such cases, blanks occur in the data listings of Appendix A. An explanation of the codes used in the data listings of Appendices A and B is given in Appendix C. All samples were treated in accordance with the standard LASL procedures set forth in Appendix D; the waters were filtered through a 0.45- $\mu$  filter paper and acidified (to pH  $\leq$  1) with reagent-grade nitric acid.

The number of samples in the population, the minimum, maximum, and mean uranium concentration values, and the standard deviation for each water sample type reported are listed in Table II. Four samples--stream samples 200148 (212.2 ppb) and 200676 (276.4 ppb), natural pond sample 200072 (204.3 ppb), and artificial pond sample 200934 (295.6 ppb)--are not included in Table II or in the frequency histogram for water (Fig. 5a) because their uranium concentrations are nearly two or more times the next highest values and markedly distort the mean and standard deviation for these sample types. When evaluating uranium results from mixed water sample populations (different source types), it is important to recognize that they are usually not directly comparable. Several reasons for this are alluded to by Aamodt (1977) in his discussion of the geochemical nature of uranium. However, the results of the

TABLE II  
URANIUM CONCENTRATIONS BY TYPE OF WATER SAMPLE

Sample Type	Number of Samples	Minimum (ppb)	Maximum (ppb)	Mean (ppb)	Standard Deviation
All waters*	1174	0.1	115.3	6.51	14.8
Springs	142	0.1	59	4.98	10.6
Wells	720	0.1	115.3	5.5	14.2
Streams*	109	0.1	75.1	8.09	15.8
Natural Ponds*	18	0.1	7.68	4.33	6.42
Artificial Ponds*	185	0.1	106.5	10.76	18.68

\*Water samples from two streams, one natural pond, and one artificial pond, all having >200 ppb uranium, are not included.

analyses of water samples from the Powder River Basin indicate that they are somewhat more statistically comparable than would normally be expected. Therefore, for this report, all water samples will be treated together.

The distribution of uranium concentrations in the water is shown in the histogram of Fig. 5a. Note that all water samples having a uranium concentration above 45 ppb are grouped together at the extreme right of the histogram. Other than the four water samples with the highest values that are excluded, the highest concentration of uranium found in water is 115.3 ppb and occurs in a sample from a well (200366). The distribution of uranium concentrations by ranges for all waters is shown in Table III.

There are water samples from 41 locations within the study area having a uranium concentration greater than three standard deviations above the mean (i.e., >50 ppb--represented by the two largest symbols on the water overlay). These are from three springs, six streams, twenty-one wells, one natural pond, and ten artificial ponds. At three standard deviations above the mean, the samples from all of these locations can be considered anomalous (Aamodt, 1977). Thirty-five of the 41 locations providing anomalous water samples are spread across the major portion of the basin of the study area in the Wasatch and Fort Union formations, forming six clusters, most of which contain several additional locations with water samples having above-average uranium. These two formations, particularly the Wasatch, are the uranium producers in the Pumpkin Buttes and Southern Powder River districts.

One cluster of six anomalous well water sites is at the southern edge of the study area, between the Powder River and Crazy Woman Creek in the Four Mile Creek drainage. This area is in the "on trend" region described by the Bendix Field Engineering Corp. (1976) as having the greatest potential for uranium in the Powder River Basin north of the existing districts. A second cluster is around and southwest of Gillette, in the Hoe Creek-Horse Creek-Caballo Creek and Wild Horse Creek drainages, where there are seven anomalous water samples: one well, one stream, three springs, and one natural and one artificial pond. A third cluster is east of Gillette, in the Donkey Creek drainage, where there are three anomalous well water samples. A fourth cluster is in the general area of the Buffalo Creek-Clear Creek-Crazy Woman Creek drainages, west of the Powder River, and the SA Creek drainage, east of the Powder River, from northeast of Buffalo on northward to Montana, where there are 11 anomalous sites: six artificial ponds, two wells, and three

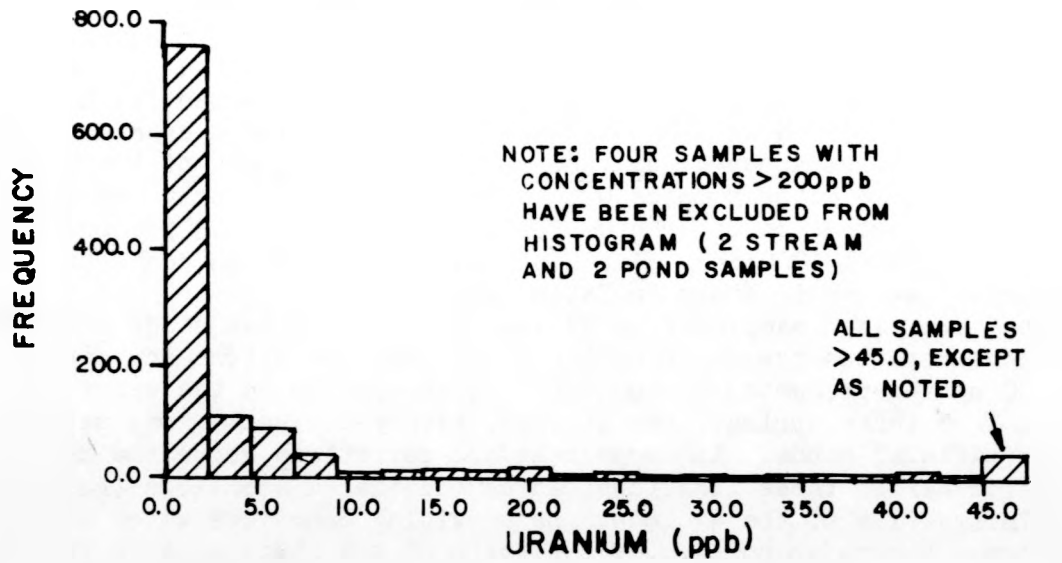
TABLE III

URANIUM CONCENTRATIONS BY RANGES FOR WATERS

1178 Waters

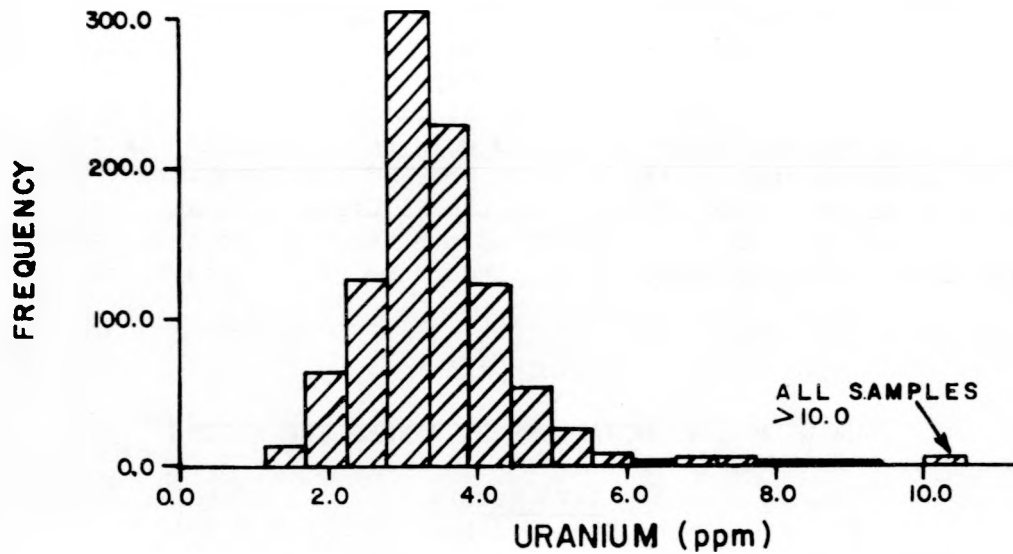
(Mean: 7.3 ppb; Standard Deviation: 20.5 ppb)

<u>Range (ppb)</u>	<u>No.</u>	<u>Range (ppb)</u>	<u>No.</u>
0.0 - 10.5	1008	63.2 - 73.7	8
10.5 - 21.1	63	73.7 - 84.2	2
21.1 - 31.6	32	84.2 - 94.7	5
31.6 - 42.1	25	94.7 - 105.3	1
42.1 - 52.6	15	105.3 - 115.8	5
52.6 - 63.2	10	115.8 - 200.0	0
		200.0 - 295.8	4



MAXIMUM = 115.30      MEAN = 6.51  
 MINIMUM = 0.10  
 SAMPLE SIZE = 1174      STANDARD DEVIATION = 14.80

a. FREQUENCY HISTOGRAM FOR WATERS



MAXIMUM = 11.20      MEAN = 3.43  
 MINIMUM = 0.80  
 SAMPLE SIZE = 966      STANDARD DEVIATION = 1.10

b. FREQUENCY HISTOGRAM FOR SEDIMENTS

Fig. 5

Distribution of uranium concentrations in water and sediment samples.

streams. The fifth cluster, containing two anomalous well sites, is in the Hanging Woman Creek drainage along the Montana state line. And lastly, the general area around Sheridan (Badger, Prairie Dog, Wildcat, Little Goose, and Big Goose Creek drainages) has six anomalous sites: two artificial ponds, three wells, and one stream.

There is one anomalous cluster that is not in the Wasatch and Fort Union formations. In this area, along US 87 from 16 km north of Kaycee on northward to Crazy Woman Creek, there are six anomalous sites: sample locations 201090, 201093, and 201097 (all wells) are in the Lewis, Fox Hills, and Lance formations, undivided (Cretaceous); sample location 200986 (an artificial pond water) is in the Fort Union formation; sample location 200974 (a well) is in the Mesaverde formation (Cretaceous); and sample location 201863 (a stream) is in the Cloverly and Morrison formations.

Three of the very high water samples (>200 ppb uranium) are in the Wasatch formation: sample location 200072 is a natural pond, 3 km west of Gillette with 204.3 ppb uranium; sample location 200676 is a flowing stream in the Coal Gulch drainage with 276.4 ppb uranium; and sample location 200934 is an artificial pond in the Badger Creek drainage with 295.6 ppb uranium, the highest uranium concentration found in the study. The fourth very high water sample, from location 200148, is from a flowing stream in the Bitter Creek drainage in the Fort Union formation and has 212.2 ppb uranium. These four samples are spread over the study area; two are in the north part and two are in the southcentral part.

Only six of the 16 uranium occurrences shown on Plate I (Nos. 3, 4, 5, 7, 8, and 10) were detected in the water sampling results. Three others (Nos. 11, 14, and 16) should probably have been detected by the samples as taken but were not; seven (Nos. 1, 2, 6, 9, 12, 13, and 15) could not have shown up either because the occurrence was at the edge of the map (and the drainage was off the map) or a sample was not taken where originally specified on the drainage due to access limitations. Table IV gives the uranium value and location of the sample (if any) taken nearest the known occurrences.

Because most of the sampling was done over a four-month period (65 samples were collected two months later, for a total of six months), a study of the dependency of the uranium concentrations on the time of sampling was done on the ground waters (represented by wells) and surface waters (represented by streams) to see if there was any variance introduced by time. Beckman (1977) found that the uranium concentrations in well waters had no time dependency; this finding is supported by that reported by Fix (1956) for ground waters. He also found that the uranium concentrations in stream waters may be dependent on time. But, since the uranium in the streams was also found to be dependent on elevation and slope (samples from the higher elevations in the west side of the study area had lower values), the effect of the time of sampling on the uranium values could not be determined for certain. A further check of the field data reveals that all 111 stream water samples were taken between March 28, 1976, and July 14, 1976. Of these, 84 were taken by June 2 and the remaining 27 from July 4 to July 14. All 24 of the high uranium values in stream waters (>10 ppb) were spread evenly over the March 28 to June 2 period; none were collected during the July period, which had less rainfall. Therefore, it is concluded that the variation of uranium values in surface waters is due mainly to elevation and ground slope, rather than time (or the change in season experienced).

TABLE IV

## URANIUM OCCURRENCES REFLECTED IN WATER RESULTS

<u>Occurrence</u>	<u>Comment</u>	<u>Nearest Sample Location</u>	<u>Location Number</u>	<u>Uranium Concentration</u>
1	No samples in near vicinity			
2	No sample on drainage			
3 & 4	Stream water	5 km upstream	201553	40.9 ppb
	Stream water	5 km upstream	201555	41.7 ppb
	Stream water	5 km upstream	201556	40.3 ppb
5	Stream water	5 km downstream	201503	23.5 ppb
6	No sample, edge of map			
7	Artificial pond water	1 km downstream	200963	31.0 ppb
8	Artificial pond water	8 km downstream	201066	5.3 ppb
9	No sample nearby			
10	Stream water	2 km away	201732	5.7 ppb
	Well water	5 km away	200401	29.1 ppb
	Well water	5 km away	200402	27.1 ppb
11	Well water	1 km downstream	201752	1.6 ppb
12	No sample, edge of map			
13	No sample, edge of map			
14	Stream water	8 km downstream	201508	1.2 ppb
15	No sample, edge of map			
16	Stream water	3 km downstream	201866	0.1 ppb

Of the 186 artificial pond waters that were sampled, 50 contained greater than 10 ppb uranium and 10 were anomalous (>50 ppb). These data appear to be encouraging at first glance, particularly since all of them are in the uraniumiferous Wasatch or Fort Union formations. However, the uranium concentration in artificial ponds can be misleading as the effect of evaporation can increase it by a factor of 100 or more (Fix, 1956). Therefore, these sample locations should be evaluated carefully.

#### V. STATISTICAL DATA AND EVALUATION OF URANIUM CONCENTRATIONS IN SEDIMENT

A total of 966 sediment samples were collected and analyzed in this study. The sample locations are shown on Plate II. Again, note on Plate II that 200 000 has been subtracted from the sample location numbers as set forth in Appendix B. The uranium concentrations are shown graphically for sediments on Plate IV. Sample locations with uranium concentrations equal to the values that divide the various symbol sizes on Plate IV will appear as the larger symbol. These two plates overlay the geologic map, Plate I, and the portions of the Gillette, Sheridan, and Arminto NTMS topographic maps as indicated on the overlays. The location, site description, field measurements, and uranium content in parts per million (ppm) for each sediment sample are listed in Appendix B. The field data for a few samples are missing; in such cases, blanks occur in the data listings. All of the sediment samples were analyzed by DNC in the manner described by Sharp and Aamodt (1976). The 12 samples listed in Appendix B as being "Other" sample types (numerical identification 99) are all dry spring sediments. An explanation of the codes used in the

data listings is given in Appendix C. All sediment samples were treated in accordance with the standard LASL procedure (Appendix D); they were dried and then sieved to -100 mesh using a standard USA No. 100 stainless steel screen.

The number of samples in the population, the minimum, maximum, and mean uranium concentration values, and the standard deviation of each sample type reported are listed in Table V. The distribution of uranium concentrations in the sediments is shown in the frequency histogram of Fig. 5b. Note that all sediment samples having a uranium concentration greater than 10 ppm are grouped together at the extreme right of the histogram. The highest concentration of uranium in sediment is 11.2 ppm in a dry stream sediment located on the north fork of Cabin Creek, in the Fort Union formation (200723). The uranium concentrations by range for sediments are given in Table VI. There are 19 sediment samples with a uranium concentration greater than three standard deviations above the mean (i.e., >6.7 ppm uranium, represented by the three largest symbols on the sediment overlay). They come from a wet spring, two wet and nine dry streams, two wet natural ponds, and five wet artificial ponds. At three standard deviations above the mean, the samples from all of these locations can be considered anomalous (Aamodt, 1977).

There is only one cluster of anomalous sediment samples. It is in the area between the North Fork, Middle Fork, and Red Fork of the Powder River south of Mayoworth Junction and contains four sites: sample location 201189 (wet natural pond) is in the Frontier formation (Cretaceous); sample locations 201471 (wet artificial pond) and 201472 (wet spring) are in the Cloverly/Morrison formations (Cretaceous/Jurassic); and sample location 201473 (wet artificial pond) is in the Mowery and Thermopolis shales, undivided (Cretaceous). All the remaining anomalous sediment samples are spread out over most of the study area, and they do not cluster or indicate areas of interest except as individual, isolated points. However, individual, isolated anomalous points should be evaluated very carefully and cannot be assigned the weight of interest that is justified by a cluster of anomalously high values which give form and extent to an anomalous area and thus allow some evaluation in light of the geology, structure, vegetation, and other areal parameters (Grimbert and Loriold, 1968).

Only 2 of the 16 uranium occurrences shown on Plate I (Nos. 2 and 7) were detected in the sediment sampling results. A dry stream sediment from

TABLE V

URANIUM CONCENTRATIONS BY TYPE OF SEDIMENT SAMPLE

<u>Sample Type</u>	<u>Number of Samples</u>	<u>Minimum (ppm)</u>	<u>Maximum (ppm)</u>	<u>Mean (ppm)</u>	<u>Standard Deviation</u>
All sediments	966	0.8	11.2	3.43	1.09
Wet Spring	131	0.8	6.9	2.98	0.98
Wet Stream	108	1.3	10.3	3.15	1.3
Wet Natural Pond	20	2.2	8.1	4.0	1.4
Wet Artificial Pond	170	1.6	8.7	3.5	0.97
Dry Stream	415	1.4	11.2	3.6	1.14
Dry Natural Pond	9	2.5	4.	3.6	0.58
Dry Artificial Pond	101	1.2	5.6	3.5	0.73
Other (Dry Spring)	12	1.8	3.5	2.73	0.59

TABLE VI

## URANIUM CONCENTRATIONS BY RANGES FOR SEDIMENTS

966 Sediments

(Mean: 3.4 ppm; Standard Deviation: 1.1 ppm)

<u>Range (ppm)</u>	<u>Number of Samples</u>	<u>Range (ppm)</u>	<u>Number of Samples</u>
0.5 - 1.1	2	5.6 - 6.1	8
1.1 - 1.7	14	6.1 - 6.7	3
1.7 - 2.2	64	6.7 - 7.2	5
2.2 - 2.7	125	7.2 - 7.8	5
2.7 - 3.3	303	7.8 - 8.3	1
3.3 - 3.9	229	8.3 - 8.9	2
3.9 - 4.4	122	8.8 - 9.4	1
4.4 - 5.0	53	9.4 - 10.0	0
5.0 - 5.6	24	10.0 - 11.2	5

sample location 201068 with 7.2 ppm uranium is located 6 km downstream from occurrence No. 2, and a wet artificial pond sediment from sample location 200963 with 5.5 ppm uranium is located within 1 km of occurrence No. 7. It might have been expected that five other occurrences (Nos. 1, 6, 10, 14, and 16) would have been detected by the samples taken, but they were not. The nine remaining occurrences (Nos. 3, 4, 5, 8, 9, 11, 12, 13, and 15) could not have been detected, either because the drainages around them were off the map or because no sample was taken as originally specified on the drainage due to access limitations or restrictions on the type of sample specified or available.

## VI. CONCLUSIONS

The uranium concentrations and chemical properties of the ground waters from this study are, in general, similar to what Sharp and Gibbons (1964) found in their ground water samples taken near the Monument Hill deposits in the Southern Powder River Basin uranium district. They found the ground waters from that part of the Powder River Basin to be high in dissolved solids and slightly basic and to contain more than the common amount of uranium. Nine of their 32 samples were reported as anomalous and ranged from 41 to 220 ppb; samples from the Wasatch formation averaged 28 ppb and from the Fort Union, 8 ppb. These data are slightly lower than that reported by Denson et al (1956) in ground water samples taken from 56 wells and one spring in the Pumpkin Buttes/Southern Powder River Basin uranium districts. They concluded, from their samples from these mineralized areas, which averaged 84 ppb uranium, that ground waters from mineralized areas may contain as much as 10 to 250 ppb uranium. Fix (1956) states that a rough guide to waters requiring further investigation for the Colorado Plateau is 4 ppb in surface waters and 5 ppb in ground waters, and that uraniferous areas generally contain 1 to 10 ppb uranium in surface waters and 1 to 120 ppb uranium in ground waters. Harshman (1968) reported that an area that contains 10 ppb uranium in the

ground water may contain uranium deposits and that areas with less than 5 ppb are most likely barren. Based on these criteria and the uranium data of this report, which are similar to those reported from the southern part of the Powder River Basin where uranium has been found, it is concluded that the anomalous water and sediment sample clusters previously mentioned are areas in the northern Powder River Basin that merit further study and examination even though there are no known uranium occurrences nearby.

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APPENDIX A

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS  
FOR  
WATER SAMPLES

ITEM A-I

WATER SAMPLES ANALYZED BY FLUOROMETRY

(Pages 24 through 43)

ITEM A-II

WATER SAMPLES ANALYZED BY DELAYED-NEUTRON COUNTING

(Pages 44 through 47)

## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

STATE	ERDA SAMPLE NUMBER					LASL SAMPLE NUMBER AND FIELD DATA																U CONCENTRATION													
	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE ( $\mu$ mhos/cm)	SCINTILLOMETER (eU/ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																											
56-44	3088-105.2133-2-08-	0-200002-03/27/76-13-	11-8.0°C	6.4	3000	9-1-7-4-6-2-3-1-	4-3-2-2-	1-3-	4-250-	-	5.55																								
56-44	3108-105.2322-2-10-	0-200003-03/27/76-14-	9-9.0°C	5.2	2800	6-1-7-5-6-1-3-9-	4-3-2-2-	1-3-	-	-	0.61																								
56-44	3216-105.2044-2-08-	0-200004-03/27/76-14-	10-8.0°C	6.4	2800	7-1-7- - - - -	4-3-2-2-	1-3-	-	-	3.04																								
56-44	3480-105.1438-2-08-	0-200006-03/27/76-16-	12-9.0°C	6.4	1700	12-1-7-4-6-1-2-1-	4-3-3-3-	1-1-	-	-	0.16																								
56-44	3158-105.1450-2-09-	0-200007-03/27/76-16-	9-14.0°C	6.3	900	9-1-7-4-7-3-3-1-	4-3-2-2-	1-1-	-	-	1.68																								
56-44	3422-105.1861-2-08-	0-200008-03/28/76-9-	4-1.0°C	6.0	500	6-1-6-4-6-1-2-1-	4-3-2-2-	1-3-	-	-	1.03																								
56-44	3630-105.1980-2-08-	0-200009-03/28/76-9-	5-10.0°C	6.6	1900	9-1-7-4-7-2-3-1-	4-2-2-2-	1-1-	-	-	0.54																								
56-44	3827-105.1947-2-08-	0-200010-03/28/76-10-	5-6.0°C	6.4	2900	9-1-6-4-6-2-3-1-	4-2-2-3-	1-1-	-	-	1.71																								
56-44	3986-105.2283-2-08-	0-200011-03/28/76-11-	9-7.0°C	6.6	2400	6-1-7-4-7-2-3-1-	4-3-2-2-	1-1-	-	-	3.10																								
56-44	4102-105.2386-2-08-	0-200012-03/28/76-11-	5-11.0°C	6.4	1500	9-1-6-4-6-3-3-1-	4-3-2-2-	1-3-	-	-	0.32																								
56-44	4405-105.2261-2-10-	0-200014-03/28/76-12-	5-11.0°C	6.6	3000	9-1-7-4-7-1-3-2-	4-3-2-3-	1-1-	-	-	2.29																								
56-44	3458-105.1122-2-10-	0-200017-03/28/76-14-	5-8.0°C	5.2	1800	6-1-6-4-6-1-2-2-	4-3-2-2-	1-1-	-	-	0.10																								
56-44	3911-105.1022-2-10-	0-200018-03/28/76-15-	5-9.0°C	6.3	1300	6-1-6-4-6-1-2-2-	4-3-2-2-	1-1-	-	-	3.09																								
56-44	4325-105.0886-2-08-	0-200019-03/28/76-16-	5-6.0°C	6.3	300	9-1-7-4-7-2-3-2-	4-3-2-3-	1-1-	-	-	0.10																								
56-44	4469-105.0769-2-08-	0-200020-03/28/76-16-	9-7.0°C	9.0	4300	9-1-7-4-7-1-2-2-	4-3-2-2-	1-1-	-	-	4.44																								
56-44	4591-105.0866-2-08-	0-200021-03/28/76-14-	5-6.0°C	6.6	600	9-1-7-4-7-1-2-2-	4-3-2-2-	1-1-	-	-	0.33																								
56-44	4800-105.0219-2-08-	0-200022-03/28/76-17-	5-5.0°C	5.2	110	16-1-7-4-7-1-2-1-	4-3-3-2-	1-3-	-	-	0.32																								
56-44	3355-105.0516-2-08-	0-200024-03/28/76-9-	5-6.0°C	6.3	3400	12-1-7-4-7-2-3-1-	4-2-2-3-1-	1-4-	-	-	2.17																								
56-44	3894-105.0561-2-10-	0-200027-03/28/76-11-	5-6.0°C	5.2	800	12-1-6-4-6-1-3-1-	4-3-3-2-	1-1-	-	-	0.68																								
56-44	3847-105.0211-2-08-	0-200028-03/28/76-12-	5-5.0°C	7.2	1900	6-1-7-4-7-1-2-1-	4-2-3-3-	1-4-	-	-	6.82																								
56-44	3891-105.0061-2-10-	0-200029-03/28/76-12-	5-5.0°C	5.7	120	9-1-6-4-6-1-3-2-	4-2-3-3-	1-1-	-	-	0.47																								
56-44	4369-105.0088-2-10-	0-200031-03/28/76-14-	5-6.0°C	5.4	360	12-1-6-4-6-1-3-2-	4-3-3-3-	1-1-	-	-	0.82																								
56-44	3497-105.0111-2-08-	0-200034-03/28/76-4-	5-6.0°C	6.9	1400	9-1-6-4-6-2-3-1-	4-2-4-3-	1-4-	-	-	4.42																								
56-44	3141-105.0088-2-08-	0-200035-03/28/76-14-	5-6.0°C	6.9	1600	9-1-6-4-6-2-3-1-	4-2-3-3-	1-4-	-	-	8.21																								
56-44	2744-105.0741-2-08-	0-200037-03/30/76-8-	7-8.0°C	6.4	1300	9-1-6-4-6-2-3-1-	4-3-2-1-	1-1-	-	-	9.40																								
56-44	2305-105.0455-2-08-	0-200040-03/30/76-10-	7-4.0°C	6.6	3600	12-1-6-4-6-1-2-1-	3-2-4-2-	1-4-	-	-	5.63																								
56-44	2344-105.0105-2-08-	0-200041-03/30/76-10-	7-6.0°C	6.6	2100	11-1-7-4-7-3-3-1-	4-3-4-2-	1-3-	-	-	1.22																								
56-44	2300-105.1194-2-09-	0-200042-03/30/76-12-	7-7.0°C	5.5	130	9-1-6-4-6-1-2-4-	4-3-2-2-	1-1-	-	-	0.10																								
56-44	1916-105.0866-2-08-	0-200044-03/30/76-13-	7-8.0°C	6.6	2300	8-1-6-4-6-1-2-1-	4-3-2-2-	1-3-	-	-	2.93																								
56-44	2444-105.2125-2-08-	0-200045-03/30/76-12-	8-8.0°C	6.3	330	16-1-6-4-6-2-2-1-	3-3-2-1-	1-3-	-	-	0.86																								
56-44	2222-105.2136-2-09-	0-200046-03/30/76-13-	8-8.0°C	5.5	90	9-1-7-4-7-1-2-2-	4-3-2-1-	1-1-	-	-	0.10																								
56-44	7405-105.7083-2-08-	0-200047-03/31/76-10-	13-7.0°C	6.4	900	9-1-6-4-6-3-3-1-	4-3-2-1-	1-1-	-	-	0.10																								
56-44	7280-105.7016-2-09-	0-200048-03/31/76-10-	13-9.0°C	6.9	1800	6-1-6-4-6-1-3-2-	4-4-2-1-	1-3-	-	-	1.46																								
56-44	7216-105.6638-2-08-	0-200050-03/31/76-11-	15-10.0°C	6.4	1200	12-1-6-4-6-2-3-1-	4-3-2-1-	1-1-	-	-	0.10																								
56-44	2913-105.1672-2-08-	0-200051-03/27/76-16-	12-10.0°C	5.4	2800	6-1-7-4-7-2-3-1-	4-3-2-3-	1-3-	-	-	4.31																								
56-44	2902-105.1516-2-10-	0-200052-03/27/76-19-	9-9.0°C	5.9	2600	9-1-7-4-7-2-3-1-	4-3-1-3-	1-1-	-	-	8.91																								
56-44	3050-105.3616-2-08-	0-200053-03/28/76-9-	4-2.0°C	6.7	1900	16-1-7- - - - -	4-3-2-3-	1-3-	6-	-	0.52																								
56-44	3188-105.3516-2-08-	0-200054-03/28/76-10-	4-10.5°C	6.8	2200	12-1-7- - - - -	4-3-2-3-	1-3-	6-210-	-	1.53																								
56-44	3472-105.3705-2-08-	0-200055-03/28/76-11-	3-6.2°C	7.5	1400	10-1-4- - - - -	4-2-3-3-	1-3-	6-	-	1.40																								
56-44	3472-105.3461-2-10-	0-200056-03/28/76-12-	2-7.5°C	6.1	90	12-1-7-5-8-1-3-2-	4-2-2-5-	1-1-	-	-	0.45																								
56-44	3216-105.3252-2-06-	0-200057-03/28/76-12-	4-4.0°C	7.2	490	9-1-7- - - - -	4-3-3-3-	1-1-	-	-	1.63																								
56-44	3319-105.3213-2-08-	0-200058-03/28/76-13-	4-13.5°C	5.7	300	10-1-7- - - - -	4-2-2-3-	1-3-	-	-	0.70																								
56-44	3536-105.3091-2-06-	0-200059-03/28/76-13-	3-8.0°C	5.4	200	15-1-5- - - - -	4-2-4-2-	1-1-	-	-	0.65																								
56-44	3669-105.3494-2-10-	0-200060-03/28/76-14-	3-7.0°C	5.2	500	10-1-7-5-8-2-3-2-	4-3-3-2-	1-1-	-	-	0.97																								
56-44	4208-105.2547-2-08-	0-200061-03/28/76-0-	-9.0°C	6.2	2000	7-1-7- - - - -	4-2-2-2-	1-3-	6-200-	-	6.16																								
56-44	4411-105.2966-2-10-	0-200062-03/28/76-17-	3-6.0°C	5.2	140	7-1-7-5-6-2-3-6-	4-3-3-2-	1-1-	-	-	0.35																								
56-44	5544-105.6666-2-08-	0-200064-03/30/76-10-	7-9.0°C	6.4	740	15-1-7- - - - -	4-2-2-1-	1-3-	6-	-	0.10																								
56-44	2736-105.6522-2-08-	0-200065-04/05/76-8-	12-8.0°C	6.3	1200	10-1-6-4-6-3-3-1-	4-3-2-1-	1-1-	-	-	0.52																								
56-44	2700-105.6327-2-08-	0-200066-04/05/76-8-	12-10.0°C	6.8	1900	6-1-6-4-6-3-3-1-	4-3-2-1-	1-1-	-	-	0.28																								
56-44	2738-105.6291-2-06-	0-200067-04/05/76-8-	12-11.0°C	6.3	4900	10-1-7-4-7-3-3-1-	4-3-2-1-	1-1-	-	-	0.66																								
56-44	2763-105.7069-2-08-	0-200069-04/05/76-10-	13-10.0°C	6.4	700	13-1-6-4-6-3-3-1-	4-3-2-1-	1-1-	-	-	0.10																								





LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																U CONCENTRATION											
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (εu ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES UNITS IN ppb
							DATE	HOUR																									
56-44	5563-105	6583-2-08	0-200231-04	/4/76-12	17-12.n	0-200231-04	/4/76-12	17-12.n	6.8	2800			6.8	2800	16-1-6-4-6-3-3-1	-4-3-2-1	-1-1																1.24
56-44	5580-105	6436-2-10	0-200232-04	/4/76-13	22-17.n	0-200232-04	/4/76-13	22-17.n	5.8	90			5.8	90	9-1-6-4-6-1-2-1	-3-2-2-1	-1-															0.10	
56-44	5705-105	7055-2-08	0-200233-04	/4/76-14	22-20.n	0-200233-04	/4/76-14	22-20.n	6.9	1300			6.9	1300	17-1-6-4-6-3-3-1	-4-3-2-1	-1-0-															0.10	
56-44	5644-105	7230-2-09	0-200235-04	/4/76-14	22-13.n	0-200235-04	/4/76-14	22-13.n	6.6	1700			6.6	1700	9-1-6-4-6-3-3-1	-4-3-2-1	-1-															0.66	
56-44	5636-105	6447-2-04	0-200236-04	/4/76-14	22-12.n	0-200236-04	/4/76-14	22-12.n	6.5	3300			6.5	3300	8-1-6-4-6-3-3-1	-3-2-2-1	-1-1-															3.96	
56-44	5691-105	6911-2-08	0-200237-04	/4/76-14	22-12.n	0-200237-04	/4/76-14	22-12.n	6.3	2400			6.3	2400	9-1-6-4-6-3-3-1	-4-3-2-1	-1-1-															1.64	
56-44	5311-105	6527-2-05	0-200238-04	/4/76-14	17-10.n	0-200238-04	/4/76-14	17-10.n	6.6	1000			6.6	1000	16-1-6-4-6-3-3-1	-4-3-2-1	-1-1-															0.10	
56-44	5341-105	6344-2-06	0-200239-04	/4/76-15	17-12.n	0-200239-04	/4/76-15	17-12.n	6.8	1900			6.8	1900	16-1-6-4-6-3-3-1	-4-3-2-1	-1-1-															0.16	
56-44	2872-105	7883-2-09	0-200240-04	/5/76-13	13-14.n	0-200240-04	/5/76-13	13-14.n	6.8	4700			6.8	4700	10-1-6-4-6-1-2-1	-4-3-2-1	-1-															0.10	
56-44	2933-105	7783-2-08	0-200241-04	/5/76-13	13-11.n	0-200241-04	/5/76-13	13-11.n	6.7	1100			6.7	1100	10-1-6-4-6-3-3-1	-4-3-2-1	-1-1-															2.08	
56-44	2827-105	8352-2-04	0-200243-04	/5/76-14	13-12.n	0-200243-04	/5/76-14	13-12.n	6.8	1900			6.8	1900	8-1-6-4-6-1-2-1	-4-3-2-1	-1-															2.84	
56-44	2947-105	7025-2-08	0-200244-04	/5/76-15	14-10.n	0-200244-04	/5/76-15	14-10.n	6.8	700			6.8	700	10-1-6-4-6-3-3-1	-4-3-2-1	-1-1-															0.10	
56-44	3163-105	5405-2-06	0-200245-04	/6/76-9	14-9.n	0-200245-04	/6/76-9	14-9.n	6.5	2800			6.5	2800	17-1-6-4-6-1-2-1	-4-3-2-1	-1-1-															6.39	
56-44	3330-105	5472-2-08	0-200247-04	/6/76-10	14-12.n	0-200247-04	/6/76-10	14-12.n	6.8	2700			6.8	2700	10-1-6-4-6-3-3-1	-4-3-2-1	-1-1-															5.36	
56-44	3030-105	5836-2-08	0-200249-04	/6/76-11	11-8.n	0-200249-04	/6/76-11	11-8.n	6.8	2300			6.8	2300	17-1-6-4-6-3-3-1	-4-3-2-3-	-1-0-															1.64	
56-44	3177-105	5486-2-06	0-200250-04	/6/76-9	14-8.n	0-200250-04	/6/76-9	14-8.n	6.7	1800			6.7	1800	10-1-6-4-6-3-3-1	-4-3-2-1	-1-1-															2.61	
56-44	1572-105	6772-2-08	0-200251-04	/3/76-9	9-5.n	0-200251-04	/3/76-9	9-5.n	6.7	1600			6.7	1600	6-1-6-4-6-3-3-1	-4-2-2-2-	-1-3-	-300														1.49	
56-44	1572-105	6533-2-08	0-200252-04	/3/76-9	8-7.n	0-200252-04	/3/76-9	8-7.n	6.0	2000			6.0	2000	12-1-6-4-6-3-3-1	-4-2-2-1	-1-3-															2.02	
56-44	1413-105	6475-2-08	0-200253-04	/3/76-10	8-5.n	0-200253-04	/3/76-10	8-5.n	6.0	5000			6.0	5000	12-1-6-4-6-3-3-1	-4-2-2-1	-1-3-	-355-325-														0.10	
56-44	1377-105	6288-2-08	0-200254-04	/3/76-10	7-10.n	0-200254-04	/3/76-10	7-10.n	6.0	1200			6.0	1200	12-1-6-4-6-3-3-6	-4-2-4-1-	-1-3-	-150-130-														3.32	
56-44	1327-105	6505-2-10	0-200255-04	/3/76-11	11-6.n	0-200255-04	/3/76-11	11-6.n	6.5	320			6.5	320	6-1-6-4-6-1-2-1	-4-2-2-1-	-1-															0.85	
56-44	1436-105	7036-2-08	0-200256-04	/3/76-11	10-6.n	0-200256-04	/3/76-11	10-6.n	6.0	2000			6.0	2000	12-1-6-4-6-2-3-1	-4-2-3-1-	-1-1-															4.95	
56-44	1652-105	6438-2-08	0-200257-04	/3/76-12	14-9.n	0-200257-04	/3/76-12	14-9.n	6.0	2000			6.0	2000	6-1-6-4-6-3-3-1	-4-2-2-1-	-1-3-															2.24	
56-44	1675-105	7097-2-08	0-200258-04	/3/76-12	14-9.n	0-200258-04	/3/76-12	14-9.n	6.0	2100			6.0	2100	12-1-6-4-6-3-3-1	-4-2-2-1-	-1-3-															7.07	
56-44	1991-105	6327-2-08	0-200260-04	/3/76-14	11-9.n	0-200260-04	/3/76-14	11-9.n	6.0	3500			6.0	3500	12-1-6-4-6-1-2-1	-4-2-3-1-	-1-3-															7.60	
56-44	2055-105	6536-2-10	0-200261-04	/3/76-14	13-9.n	0-200261-04	/3/76-14	13-9.n	6.7	800			6.7	800	12-1-6-4-6-1-2-1	-4-3-3-1-	-1-															1.26	
56-44	2347-105	7338-2-08	0-200262-04	/3/76-15	15-10.n	0-200262-04	/3/76-15	15-10.n	7.2	2200			7.2	2200	16-1-6-4-6-3-3-1	-4-3-3-1-	-1-3-															4.41	
56-44	2075-105	6913-2-08	0-200264-04	/4/76-8	10-7.n	0-200264-04	/4/76-8	10-7.n	6.9	2300			6.9	2300	9-1-6-4-6-3-3-6	-4-2-3-1-	-1-3-															4.85	
56-44	2116-105	7152-2-08	0-200266-04	/4/76-9	15-8.n	0-200266-04	/4/76-9	15-8.n	6.9	1200			6.9	1200	9-1-6-4-6-3-3-1	-4-3-2-1-	-1-3-															0.65	
56-44	2172-105	7230-2-07	0-200267-04	/4/76-10	12-8.n	0-200267-04	/4/76-10	12-8.n	6.6	900			6.6	900	6-1-6-4-6-1-2-1	-4-3-1-	-1-3-															1.95	
56-44	2444-105	7125-2-08	0-200268-04	/4/76-10	11-12.n	0-200268-04	/4/76-10	11-12.n	6.9	2000			6.9	2000	12-1-6-4-6-3-3-1	-4-3-4-1-	-1-3-															2.43	
56-44	2463-105	7030-2-08	0-200269-04	/4/76-10	10-11.n	0-200269-04	/4/76-10	10-11.n	6.9	2900			6.9	2900	12-1-6-4-6-3-3-1	-4-3-3-1-	-1-3-															1.08	
56-44	2344-105	6544-2-08	0-200270-04	/4/76-10	16-11.n	0-200270-04	/4/76-10	16-11.n	6.9	2300			6.9	2300	6-1-6-4-6-3-3-1	-4-2-4-1-	-1-3-															1.10	
56-44	2308-105	6447-2-08	0-200271-04	/4/76-11	14-11.n	0-200271-04	/4/76-11	14-11.n	7.2	1700			7.2	1700	12-1-6-4-6-3-3-1	-4-3-3-1-	-1-3-															0.63	
56-44	2383-105	7147-2-08	0-200272-04	/4/76-11	14-11.n	0-200272-04	/4/76-11	14-11.n	7.8	1100			7.8	1100	18-1-6-4-6-3-3-2	-4-3-4-1-	-1-3-															0.10	
56-44	2005-105	6922-2-10	0-200273-04	/4/76-12	14-8.n	0-200273-04	/4/76-12	14-8.n	6.7	200			6.7	200	9-1-6-4-6-1-2-1	-4-2-4-1-	-1-															0.53	
56-44	1988-105	6908-2-08	0-200274-04	/4/76-12	14-10.n	0-200274-04	/4/76-12	14-10.n	6.8	3400			6.8	3400	12-1-6-4-6-1-2-1	-4-2-4-1-	-1-1-															3.19	
56-44	1850-105	6716-2-08	0-200275-04	/4/76-12	13-12.n	0-200275-04	/4/76-12	13-12.n	6.9	2600			6.9	2600	6-1-6-4-6-1-3-1	-4-2-3-1-	-1-3-															6.10	
56-44	1805-105	6650-2-10	0-200276-04	/4/76-12	19-13.n	0-200276-04	/4/76-12	19-13.n	6.5	140			6.5	140	9-1-6-4-6-1-2-1	-4-2-4-1-	-1-															0.10	
56-44	1822-105	6500-2-08	0-200277-04	/4/76-13	15-11.n	0-200277-04	/4/76-13	15-11.n	6.0	1800			6.0	1800	12-1-6-4-6-3-3-1	-4-3-3-1-	-1-3-															1.49	
56-44	1744-105	6455-2-10	0-200279-04	/4/76-13	19-12.n	0-200279-04	/4/76-13	19-12.n	6.5	900			6.5	900	12-1-6-4-6-1-2-1	-4-2-4-1-	-1-															0.35	
56-44	1683-105	6475-2-08	0-200280-04	/4/76-14	24-14.n	0-200280-04	/4/76-14	24-14.n	6.9	1100			6.9	1100	25-1-6-4-6-3-3-1	-4-2-4-1-	-1-3-	-500-475-														0.10	
56-44	1263-105	7186-2-08	0-200281-04	/4/76-15	20-8.n	0-200281-04	/4/76-15	20-8.n	6.6	2000			6.6	2000	12-1-6-4-6-3-3-1	-4-2-4-1-	-1-3-															0.95	
56-44	1247-105	7188-2-10	0-200282-04	/4/76-15	20-14.n	0-200282-04	/4/76-15	20-14.n	6.6	300			6.6	300	9-1-6-4-6-1-2-1	-4-2-3-1-	-1-															0.56	
56-44	1233-105	7102-2-08	0-200283-04	/4/76-15</																													



LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER					LASL SAMPLE NUMBER AND FIELD DATA														U CONCENTRATION															
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																										
56-44	3366-105.7455	-2-08-	0-200382-04	/7/74-12-	14-5.0	C-	6.1	2000	10-1-6-4-6-1-2-1-	-4-3-2-2-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.51			
56-44	3363-105.7297	-2-08-	0-200383-04	/7/74-13-	14-10.0	C-	6.8	1500	6-1-6-4-6-1-2-1-	-4-3-3-2-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72			
56-44	3460-105.7261	-2-08-	0-200384-04	/7/74-14-	14-10.0	C-	6.8	600	11-1-6-4-6-1-2-1-	-4-3-3-2-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10			
56-44	3277-105.5766	-2-08-	0-200387-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.58		
56-44	2788-105.4327	-2-08-	0-200388-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.92		
56-44	2744-105.4288	-2-06-	0-200389-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.32		
56-44	2419-106.6755	-2-08-	0-200392-04	/10/74-13-	7-9.0	C-	6.9	1000	8-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24			
56-44	2277-106.6716	-2-08-	0-200393-04	/10/74-13-	7-9.0	C-	6.8	1150	4-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10			
56-44	2072-106.6316	-2-07-	0-200394-04	/10/74-13-	10-15.0	C-	6.9	3950	9-1-7-5-7-2-2-1-2-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.35			
56-44	1844-106.6211	-2-08-	0-200396-04	/10/74-14-	11-10.5	C-	6.3	1300	8-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.18		
56-44	1200-106.5822	-2-08-	0-200397-04	/10/74-15-	13-8.0	C-	5.9	1700	4-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.66		
56-44	1277-106.5872	-2-08-	0-200398-04	/10/74-15-	11-10.0	C-	6.0	1700	8-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.79		
56-44	2594-106.6961	-2-08-	0-200399-04	/10/74-16-	12-9.5	C-	6.8	800	8-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	0083-105.7266	-2-10-	0-200403-04	/6/74-9-	10-12.0	C-	5.7	275	18-1-6-4-6-1-2-1-	-4-2-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10			
56-44	0369-105.7161	-2-08-	0-200404-04	/6/74-9-	11-9.0	C-	6.0	1100	12-1-6-4-6-3-3-1-	-4-2-3-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.07			
56-44	0619-105.7216	-2-08-	0-200405-04	/6/74-9-	12-16.0	C-	6.8	1500	6-1-6-4-6-3-3-1-	-4-2-3-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.56			
56-44	0713-105.7233	-2-08-	0-200406-04	/6/74-9-	14-10.0	C-	6.9	2100	15-1-6-4-6-2-3-1-	-4-2-2-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.14			
56-44	0527-105.6883	-2-08-	0-200408-04	/6/74-10-	16-10.0	C-	6.8	2250	12-1-6-4-6-1-3-3-	-4-2-3-3-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.85			
56-44	0663-105.7105	-2-10-	0-200409-04	/6/74-11-	13-10.0	C-	6.8	390	9-1-6-4-6-1-2-2-	-4-2-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.21			
56-44	0861-105.6125	-2-08-	0-200420-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63		
56-44	0861-105.6222	-2-08-	0-200421-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
56-44	0655-105.5880	-2-08-	0-200423-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.61		
56-44	0566-105.5283	-2-08-	0-200424-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.51		
56-44	0672-105.5005	-2-08-	0-200426-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25		
56-44	0994-105.5416	-2-08-	0-200427-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33		
56-44	0952-105.5805	-2-08-	0-200428-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14		
56-44	0877-105.5222	-2-07-	0-200430-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.70		
56-44	0947-105.5452	-2-08-	0-200431-04	/6/74-12-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	1341-105.5472	-2-08-	0-200432-04	/6/74-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.52		
56-44	1444-105.5250	-2-08-	0-200435-04	/6/74-	-	C-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.18		
56-44	1558-105.5191	-2-08-	0-200436-04	/7/74-14-	14-9.0	C-	6.2	2200	6-1-6-4-6-3-3-1-	-4-2-2-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.79			
56-44	9655-106.2877	-2-08-	0-200440-04	/10/74-10-	17-12.0	C-	6.2	250	12-1-7-5-7-2-2-1-	-4-2-3-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60			
56-44	9930-106.3202	-2-08-	0-200443-04	/10/74-12-	17-11.0	C-	6.8	2700	12-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.40		
56-44	9425-106.4961	-2-08-	0-200450-04	/10/74-14-	20-15.0	C-	6.9	240	15-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.09		
56-44	6230-105.2944	-2-08-	0-200451-04	/12/74-16-	27-18.0	C-	6.9	1500	9-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.15		
56-44	5994-105.2977	-2-08-	0-200452-04	/12/74-16-	28-19.0	C-	6.8	1550	9-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.46		
56-44	5713-105.2658	-2-08-	0-200453-04	/12/74-16-	27-18.0	C-	6.9	1300	9-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22		
56-44	3758-105.4583	-2-06-	0-200455-04	/13/74-8-	11-13.0	C-	6.7	160	9-1-6-4-6-2-3-3-	-4-3-3-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.70			
56-44	3933-105.3902	-2-08-	0-200456-04	/13/74-9-	14-15.0	C-	6.8	500	12-1-6-4-6-2-2-3-	-4-3-2-2-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.83			
56-44	4019-105.3613	-2-08-	0-200457-04	/13/74-9-	19-14.0	C-	6.8	600	12-1-6-4-6-2-3-1-	-4-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.02			
56-44	4430-105.3847	-2-06-	0-200458-04	/13/74-9-	20-15.0	C-	6.8	800	6-1-6-4-8-2-2-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.64		
56-44	4555-105.4100	-2-08-	0-200459-04	/13/74-9-	20-12.0	C-	6.1	175	12-1-6-4-6-2-2-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53		
56-44	4241-105.3758	-2-08-	0-200460-04	/13/74-9-	20-13.0	C-	6.7	2100	18-1-6-4-6-3-3-1-	-4-3-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10		
56-44	4580-105.3327	-2-08-	0-200461-04	/13/74-10-	20-15.0	C-	6.8	2000	9-1-7-4-7-3-3-1-	-1-3-3-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.64		
56-44	4127-105.3105	-2-08-	0-200464-04	/13/74-11-	21-11.0	C-	6.5	360	9-1-6-4-6-3-3-1-	-4-3-3-2-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60		
56-44	5441-105.5855	-2-08-	0-200469-04	/13/74-15-	22-15.0	C-	7.2	2300	9-1-6-4-6-2-3-1-	-4-3-2-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24		
56-44	5283-105.5461	-2-08-	0-200470-04	/13/74-15-	21-14.0	C-	5.8	170	9-1-6-4-6-3-3-1-	-4-3-2-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	6800-106.1311	-2-08-	0-200473-04	/14/74-9-	12-16.0	C-	7.2	1200	9-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
56-44	7183-106.2677	-2-08-	0-200475-04	/14/74-10-	13-13.0	C-	6.8	1500	15-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.45	
56-44	6783-106.3866	-2-08-	0-200480-04	/14/74-11-	16-11.0	C-	6.8	1100	9-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.19	
56-44	7130-106.3336</																																	



LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA															U CONCENTRATION														
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (cU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																											
56-44.5258-105.2622-2-08-	n-200595-04/12/76-14-	28-19.0	°C	-	6.9	1200-	9-1-7-	-	-3-3-1-	-4-2-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.53			
56-44.5344-105.2747-2-08-	0-200597-04/12/76-14-	27-16.0	°C	-	7.2	1300-	7-1-7-	-	-2-3-1-	-4-2-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28			
56-44.5825-105.3127-2-08-	0-200598-04/12/76-15-	27-19.0	°C	-	6.8	1150-	10-1-7-	-	-2-2-1-	-4-2-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.28			
56-44.5827-105.3366-2-08-	0-200599-04/12/76-15-	28-19.0	°C	-	6.9	1200-	13-1-7-	-	-2-2-1-	-4-2-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72			
56-44.6872-105.9977-2-08-	0-200608-04/7/76-13-	21-12.0	°C	-	6.9	1700-	12-1-6-4-6-1-3-1-	-	-4-3-2-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.19				
56-44.7197-105.9388-2-08-	0-200609-04/7/76-14-	18-8.0	°C	-	6.9	1700-	16-1-6-4-6-3-3-1-	-	-4-3-2-4-	-3-3-	6-350-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29				
56-44.7405-105.9236-2-08-	0-200610-04/7/76-15-	20-15.0	°C	-	6.9	1300-	9-1-2-4-6-2-3-1-	-	-4-3-2-2-	-1-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16				
56-44.7436-105.9358-2-08-	0-200612-04/7/76-16-	18-9.0	°C	-	6.8	4000-	6-1-6-4-6-2-3-1-	-	-3-2-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.7122-105.8913-2-08-	0-200614-04/8/76-16-	15-9.0	°C	-	6.3	5000-	12-1-6-4-6-2-3-1-	-	-4-3-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.94				
56-44.6897-105.8791-2-08-	0-200615-04/8/76-16-	14-11.0	°C	-	6.3	1900-	12-1-6-4-6-1-2-1-	-	-4-3-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.64				
56-44.6816-106.0475-2-08-	0-200619-04/9/76-9-	15-13.0	°C	-	6.9	3800-	12-1-6-4-6-2-3-1-	-	-4-2-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.6716-106.0830-2-08-	0-200621-04/9/76-10-	18-21.0	°C	-	6.9	1700-	9-1-7-4-7-3-3-1-	-	-4-3-2-1-	-3-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.42				
56-44.6488-106.1183-2-08-	0-200622-04/9/76-11-	20-12.0	°C	-	6.9	2200-	9-1-6-4-6-2-3-1-	-	-4-3-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.6452-106.0613-2-08-	0-200623-04/9/76-11-	22-20.0	°C	-	7.2	2700-	12-1-6-4-6-2-3-1-	-	-4-3-2-1-	-3-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38				
56-44.6372-106.0875-2-08-	0-200625-04/9/76-12-	25-22.0	°C	-	6.9	1700-	12-1-7-4-7-3-3-1-	-	-4-3-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31				
56-44.6355-106.0200-2-08-	0-200626-04/9/76-12-	25-22.0	°C	-	6.9	2200-	9-1-6-4-6-2-3-1-	-	-4-4-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.6194-106.0250-2-08-	0-200627-04/9/76-13-	25-15.0	°C	-	6.9	600-	16-1-6-4-6-2-3-1-	-	-4-3-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.5922-105.9263-2-08-	0-200629-04/9/76-15-	18-11.0	°C	-	6.3	2800-	19-1-6-4-6-3-3-1-	-	-4-3-3-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.95				
56-44.5327-105.9561-2-08-	0-200630-04/9/76-15-	18-14.0	°C	-	6.6	700-	16-1-7-4-7-1-3-1-	-	-4-3-2-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.5383-105.9486-2-08-	0-200632-04/9/76-16-	15-12.0	°C	-	6.6	600-	9-1-6-4-6-1-3-1-	-	-4-3-2-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.6222-106.1033-2-08-	0-200633-04/10/76-11-	12-10.0	°C	-	6.8	1000-	9-1-6-4-6-3-3-1-	-	-4-2-2-3-	-3-3-	6-140-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.6208-106.1019-2-08-	0-200634-04/10/76-11-	12-18.0	°C	-	6.9	2000-	12-1-6-4-6-1-3-1-	-	-4-2-2-3-	-3-3-	6-150-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15				
56-44.5211-106.1097-2-08-	0-200636-04/10/76-12-	12-18.0	°C	-	6.9	1800-	12-1-6-4-6-2-3-1-	-	-3-2-3-3-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.5380-106.1083-2-08-	0-200637-04/10/76-13-	12-13.0	°C	-	6.8	2300-	9-1-6-4-6-2-3-1-	-	-3-2-2-3-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15				
56-44.6002-106.0927-2-08-	0-200640-04/10/76-13-	12-10.0	°C	-	6.8	1500-	12-1-6-4-6-2-3-1-	-	-4-3-2-3-	-3-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.6980-106.1163-2-08-	0-200641-04/10/76-14-	11-17.0	°C	-	6.9	1700-	12-1-6-4-6-2-3-1-	-	-4-3-2-3-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.7305-106.1197-2-08-	0-200642-04/10/76-14-	14-14.0	°C	-	6.8	1100-	13-1-6-4-6-2-3-1-	-	-3-2-3-3-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.7463-106.1166-2-08-	0-200643-04/10/76-14-	14-16.0	°C	-	6.9	1800-	12-1-6-4-6-3-3-1-	-	-3-2-2-3-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.5494-106.1936-2-09-	0-200649-04/12/76-10-	20-13.0	°C	-	6.3	450-	12-1-7-4-7-1-3-2-	-	-3-2-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.21				
56-44.4933-106.1744-2-08-	0-200651-04/12/76-14-	26-18.0	°C	-	7.2	2200-	9-1-6-4-6-2-3-1-	-	-2-2-2-1-	-1-9-	2-800-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30				
56-44.4861-106.1877-2-08-	0-200652-04/12/76-15-	25-13.0	°C	-	6.8	700-	9-1-6-4-6-2-3-1-	-	-2-2-3-1-	-1-3-	6-130-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30				
56-44.4894-106.2116-2-08-	0-200654-04/12/76-16-	20-15.0	°C	-	6.8	1900-	12-1-6-4-6-2-3-1-	-	-2-2-2-2-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.40				
56-44.4627-106.2994-2-08-	0-200657-04/13/76-9-	22-13.5	°C	-	6.9	800-	1-1-6-4-6-1-2-1-	-	-4-2-3-2-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.4458-106.2497-2-08-	0-200659-04/13/76-10-	22-15.0	°C	-	6.9	3100-	4-1-6-4-6-2-3-1-	-	-3-3-3-2-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.4366-106.3494-2-08-	0-200660-04/13/76-11-	22-14.0	°C	-	6.8	1100-	9-1-6-4-6-2-3-1-	-	-3-3-3-2-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.4216-106.3333-2-08-	0-200662-04/13/76-13-	22-17.0	°C	-	6.9	1300-	6-1-6-4-6-1-3-1-	-	-4-3-3-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.4661-106.3416-2-09-	0-200664-04/13/76-14-	22-14.0	°C	-	6.8	1800-	12-1-6-4-6-1-3-1-	-	-3-4-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.68				
56-44.4844-106.1341-2-08-	0-200667-04/13/76-14-	14-13.5	°C	-	6.9	2200-	12-1-6-4-6-2-3-1-	-	-4-3-3-4-	-9-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38				
56-44.4822-106.1422-2-08-	0-200668-04/13/76-14-	15-15.0	°C	-	6.8	1850-	19-1-6-4-6-3-3-1-	-	-4-2-3-3-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.26				
56-44.4702-106.1488-2-08-	0-200669-04/13/76-14-	18-15.0	°C	-	6.9	3460-	9-1-6-4-6-1-3-1-	-	-4-3-3-2-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32				
56-44.3444-106.1575-2-08-	0-200671-04/14/76-9-	22-15.0	°C	-	6.8	1100-	16-1-6-4-6-2-3-1-	-	-3-2-3-2-	-1-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.3794-106.1600-2-08-	0-200673-04/14/76-9-	16-18.0	°C	-	6.9	550-	12-1-6-4-6-2-3-1-	-	-4-3-3-3-	-1-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51				
56-44.3175-106.1458-2-08-	0-200677-04/14/76-10-	14-19.0	°C	-	7.0	1800-	12-1-6-4-6-2-3-1-	-	-2-2-3-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.41				
56-44.3208-106.1811-2-08-	0-200678-04/14/76-10-	14-11.0	°C	-	6.8	1500-	9-1-6-4-6-2-3-1-	-	-4-3-3-2-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54				
56-44.2836-106.1797-2-08-	0-200679-04/14/76-11-	16-13.0	°C	-	7.4	1600-	12-1-6-4-6-2-3-1-	-	-3-2-3-2-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44.4755-106.2783-2-08-	0-200680-04/13/76-8-	22-12.0	°C	-	6.8	2100-	6-1-6-4-6-1-3-1-	-	-3-2-3-3-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.85				
56-44.2911-106.2236-2-08-	0-200681-04/14/76-11-																																		





## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA														U CONCENTRATION														
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE ( $\mu\text{mhos/cm}$ )	SCINTILLOMETER (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																										
56-44	9413-106.6863-2-08-	0-200927-04/30/76-14-	14-14.0	0	C	6.3	4500	12-1-6	-	-2-2-1	-4-3-3-1	-1-3-	-	-	-	7.16																		
56-44	9522-106.6633-2-06-	0-200932-04/30/76-15-	16-12.0	0	-	5.7	150	9-1-6	-	-3-3-1	-4-3-3-1	-1-3-	-	-	-	1.79																		
56-44	9741-107.0966-2-10-	0-200943-05/11/76-11-	13-12.0	0	-	6.3	120	15-1-7-4-6-1-2-3-	-4-3-2-4-	-1-	-	-	-	-	-	0.50																		
56-43	5525-106.5530-2-08-	0-200950-05/14/76-11-	33-24.0	0	C	7.0	2500	15-1-7-	-	-3-3-1	-4-3-2-1	-1-1-	-	-	-	1.70																		
56-44	0277-106.6272-2-08-	0-200968-05/20/76-9-	19-00.5	0	-	7.2	3000	3-1-7-	-	-3-3-1	-4-3-2-2	-1-2-	-	-	-	2.46																		
56-44	0550-106.6355-2-07-	0-200969-05/20/76-10-	19-15.0	0	-	7.8	1350	3-1-7-5-6-2-3-	-4-3-2-2-	-1-	-	-	-	-	-	6.20																		
56-44	0855-106.6722-2-07-	0-200971-05/18/76-11-	20-12.0	0	-	7.4	300	12-1-7-5-6-4-3-4-	-4-3-3-1-	-1-	-	-	-	-	-	1.20																		
56-44	0941-106.7116-2-08-	0-200973-05/18/76-12-	27-14.0	0	C	7.4	3400	9-1-7-	-	-3-3-1	-4-3-3-1	-1-9-	-	-	-	2.23																		
56-44	1672-106.7422-2-10-	0-200976-05/18/76-15-	25-17.0	0	-	7.8	1400	12-1-7-5-6-1-3-2-	-4-3-1-1-	-1-	-	-	-	-	-	5.47																		
56-44	1847-106.7138-2-10-	0-200977-05/18/76-15-	26-20.0	0	-	7.8	1050	1-1-7-4-7-1-3-2-	-4-3-1-1-	-1-	-	-	-	-	-	7.07																		
56-44	2305-106.7105-2-08-	0-200979-05/18/76-16-	26-20.0	0	C	7.8	950	7-1-7-	-	-2-2-1	-4-3-3-2-	-1-9-	-	-	-	2.08																		
56-44	0516-106.6950-2-07-	0-200980-05/18/76-18-	25-14.0	0	-	8.2	140	9-1-7-4-6-4-3-1-	-4-3-2-2-	-1-	-	-	-	-	-	0.10																		
56-44	2402-106.5488-2-09-	0-200984-04/06/76-11-	20-16.0	0	-	8.0	450	6-1-7-5-6-1-3-3-	-4-3-3-2-	-1-	-	-	-	-	-	3.54																		
56-44	1261-106.7236-2-10-	0-200985-05/20/76-10-	20-16.0	0	-	8.0	450	6-1-7-5-6-1-3-3-	-4-3-3-2-	-1-	-	-	-	-	-	2.51																		
56-44	1027-106.5400-2-10-	0-200988-05/20/76-13-	24-20.0	0	-	7.8	300	6-7-6-5-4-1-3-3-	-4-3-3-2-	-1-	-	-	-	-	-	0.95																		
56-44	0750-106.6216-2-08-	0-200993-05/22/76-11-	16-15.0	0	C	6.5	700	6-1-7-	-	-	-4-2-2-3-	-1-8-	-	-	-	0.66																		
56-44	0613-106.5816-2-07-	0-200994-05/22/76-12-	15-14.0	0	-	6.3	300	9-1-6-4-6-4-4-4-2-4-3-2-3-	-1-	-	-	-	-	-	-	2.21																		
56-44	1055-106.5697-2-10-	0-200996-05/22/76-14-	19-19.0	0	-	6.8	1500	7-1-6-5-8-	-4-2-	-4-3-2-3-	-1-	-	-	-	-	6.12																		
56-44	0444-106.4144-2-10-	0-200998-05/22/76-15-	13-11.0	0	-	7.2	150	10-1-6-5-6-1-2-4-	-4-2-2-3-	-1-	-	-	-	-	-	0.10																		
56-43	5177-106.5177-2-10-	0-201004-05/14/76-17-	28-21.0	0	-	7.8	300	12-1-7-5-7-2-2-2-	-4-3-4-1-	-1-	-	-	-	-	-	3.23																		
56-43	5200-106.5230-2-08-	0-201005-05/14/76-17-	28-17.0	0	-	7.8	2800	12-1-7-	-	-2-2-1	-4-3-3-1	-1-1-	-	-	-	1.83																		
56-43	5305-106.5377-2-10-	0-201006-05/14/76-17-	27-19.0	0	-	8.0	1600	15-1-7-5-7-1-2-2-	-4-3-4-1-	-1-	-	-	-	-	-	3.91																		
56-43	7261-106.6033-2-08-	0-201017-05/16/76-17-	20-18.0	0	-	7.8	950	9-1-7-	-	-3-3-1	-4-3-3-1	-1-2-	-	-	-	1.82																		
56-43	5505-106.1877-2-10-	0-201018-05/17/76-13-	26-18.0	0	C	7.2	6000	9-1-7-5-7-2-3-1-	-4-3-2-1-	-9-	-	-	-	-	-	4.53																		
56-43	5211-106.1944-2-10-	0-201019-05/17/76-13-	25-18.0	0	C	8.4	200	9-1-7-5-6-1-2-2-	-4-3-3-1-	-9-	-	-	-	-	-	1.13																		
56-43	5205-106.1372-2-08-	0-201021-05/17/76-14-	25-16.0	0	C	7.8	900	12-1-7-	-	-	-4-3-1-	-1-8-	-	-	-	0.43																		
56-44	8208-106.9475-2-08-	0-201027-04/30/76-11-	12-11.0	0	-	6.8	750	8-1-6-	-	-	-4-3-2-2-	-1-4-	-300	-	-	0.10																		
56-44	7750-106.9100-2-08-	0-201028-04/30/76-12-	10-11.5	0	-	6.8	2800	11-1-6-	-	-	-4-3-2-2-	-1-4-	-	-	-	2.42																		
56-44	7736-106.9455-2-08-	0-201029-04/30/76-13-	14-18.0	0	-	6.8	450	5-1-6-	-	-	-4-3-1-2-	-1-4-	-170	-	-	0.20																		
56-44	6755-106.9927-2-08-	0-201033-04/30/76-15-	17-12.0	0	C	6.8	600	8-1-6-	-	-	-4-3-2-2-	-1-4-	-	-	-	0.10																		
56-44	6433-106.9672-2-04-	0-201034-04/30/76-16-	14-12.0	0	-	6.3	500	2-1-6-4-6-2-2-1-	-4-3-2-2-	-1-	-	-	-	-	-	0.88																		
56-44	6758-106.9038-2-08-	0-201035-04/30/76-16-	16-13.0	0	-	6.8	1100	6-1-6-	-	-	-4-3-2-3-	-1-4-	-	-	-	1.56																		
56-44	6788-106.9222-2-07-	0-201038-05/11/76-12-	14-12.0	0	-	6.8	950	16-1-6-4-6-2-2-1-	-4-3-2-1-	-1-	-	-	-	-	-	5.41																		
56-44	6755-106.9177-2-08-	0-201039-05/11/76-12-	15-12.0	0	-	6.7	1000	19-1-6-	-	-	-4-3-2-1-	-1-4-	-120	-	-	4.96																		
56-44	6800-106.9466-2-10-	0-201040-05/11/76-13-	20-12.0	0	-	6.5	550	3-1-6-3-6-3-2-1-	-4-3-2-1-	-1-	-	-	-	-	-	3.51																		
56-44	7061-106.9450-2-06-	0-201042-05/11/76-14-	18-12.0	0	-	6.7	950	12-1-6-	-	-	-4-3-2-1-	-1-4-	-250	-	-	9.66																		
56-44	6000-106.8672-2-08-	0-201043-05/11/76-15-	18-15.0	0	-	6.5	450	6-1-6-	-	-	-4-3-2-3-	-1-4-	-	-	-	0.10																		
56-44	5750-106.8813-2-08-	0-201044-05/11/76-16-	17-11.0	0	-	6.5	95	9-1-4-	-	-	-4-3-5-1-	-1-4-	-	-	-	0.16																		
56-44	5747-106.9069-2-06-	0-201045-05/11/76-16-	14-10.0	0	-	6.5	100	9-1-4-	-	-	-4-3-5-1-	-1-4-	-	-	-	0.10																		
56-44	5700-106.8911-2-08-	0-201046-05/11/76-16-	14-10.0	0	-	6.5	100	12-1-4-	-	-	-4-3-5-1-	-1-4-	-	-	-	0.10																		
56-44	5788-106.9022-2-07-	0-201048-05/11/76-17-	14-10.0	0	-	6.5	100	14-1-6-4-6-3-4-1-	-4-3-5-1-	-1-	-	-	-	-	-	0.47																		
56-43	5866-106.6844-2-06-	0-201052-05/18/76-14-	19-8.0	0	C	6.8	2700	9-1-1-	-	-2-3-1	-4-3-3-1-	-1-	-	-	-	5.72																		
56-43	6922-106.5313-2-06-	0-201058-05/10/76-12-	24-11.5	0	C	6.9	3150	8-1-1-	-	-	-4-3-3-1-	-1-3-	-	-	-	2.46																		
56-43	6788-106.5261-2-06-	0-201059-05/10/76-12-	24-14.5	0	C	6.9	1700	11-1-1-	-	-	-4-3-3-1-	-1-1-	-	-	-	6.77																		
56-43	6466-106.6044-2-10-	0-201062-05/10/76-14-	24-18.5	0	-	6.5	11250	11-1-1-5-1-	-3-1-3-4-3-2-3-	-1-	-	-	-	-	-	6.30																		
56-43	6977-106.4083-2-06-	0-201064-05/11/76-12-	20-17.0	0	C	6.5	14250	14-1-1-	-	-	-4-3-1-3-	-1-8-	-240	-	-	0.84																		
56-43	7322-106.3122-2-10-	0-201066-05/11/76-17-	18-15.0	0	-	6.4	7500	14-1-1-5-7-2-3-1-	-2-4-3-2-2-	-1-	-	-	-	-	-	5.26																		
56-43	7100-106.2922-2-08-	0-201067-05/11/76-18-	14-10.5	0	C	6.4	1650	7-1-1-	-	-2-2-1	-4-3-1-2-	-1-9-	3	-	-	0.40																		
56-43	6827-106.2900-2-10-	0-201071-05/12/76-12-	14-15.0	0	C	6.4	3800	14-1-4-5-1-	-3-1-3-4-2-3-2-	-1-	-	-	-	-	-	1.62																		
56-43	6858-106.3069-2-08-	0-201074-05/12/76-17-	18-12.0	0	C	6.4	2450	16-1-1-	-	-3-	-1-	-4-3-2-2-	-1-8-	-	-	1.42																		
56-43	6950-106.2938-2-08-	0-201081-05/13/76-14-	23-14.0	0	-	7.0	800	12-1-1-	-	-	-4-3-1-1-	-1-5-	40	80	6-	0.19																		







## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																U CONCENTRATION													
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE ( $\mu\text{mhos/cm}$ )	SCINTILLOMETER ( $\mu\text{g/ppm}$ )	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																											
56-43	8044-107.1113-7-06-	0-201544-07/10/74-14-	35-10.0	-	-	5.7	50	12-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15			
56-43	8238-107.0888-2-06-	0-201545-07/10/74-14-	36-12.0	-	-	5.8	40	6-1-7-5-4-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10			
56-43	8133-107.0488-2-07-	0-201546-07/10/74-14-	36-13.0	-	-	6.2	110	3-1-7-5-4-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77			
56-43	8583-107.6961-2-06-	0-201547-07/10/74-15-	35-8.0	-	-	5.2	40	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.15			
56-43	8402-107.0738-2-06-	0-201548-07/10/74-15-	35-9.0	-	-	5.5	50	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-43	8794-107.1083-2-06-	0-201549-07/10/74-15-	35-13.0	-	-	6.2	350	12-1-7-4-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44				
56-43	8838-107.0800-2-10-	0-201550-07/10/74-15-	35-21.0	-	-	6.2	250	16-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-43	8977-107.0766-2-06-	0-201551-07/10/74-15-	35-15.0	-	-	6.2	300	3-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-43	9083-107.0283-2-07-	0-201552-07/10/74-16-	36-12.0	-	-	6.5	270	12-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30				
56-43	8138-106.8361-2-06-	0-201554-07/10/74-17-	37-18.0	-	-	7.2	240	8-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.10				
56-43	8277-106.8250-2-06-	0-201557-07/10/74-17-	37-26.0	-	-	6.9	240	12-1-7-5-4-3-3-1-	-4-3-3-1-	-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.27				
56-44	2416-106.9633-2-07-	0-201558-07/13/74-10-	24-15.0	-	-	5.2	70	12-1-7-5-8-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30				
56-44	1894-106.9100-2-07-	0-201560-07/13/74-10-	24-12.0	-	-	5.5	100	6-1-7-5-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15				
56-44	1855-107.6119-2-07-	0-201561-07/13/74-11-	25-12.0	-	-	5.5	25	3-1-7-4-6-3-3-1-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	1711-107.0119-2-06-	0-201562-07/13/74-11-	25-15.0	-	-	5.5	55	4-1-7-4-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	1600-107.0227-2-07-	0-201563-07/13/74-11-	25-16.0	-	-	5.5	30	6-1-7-5-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20				
56-44	1452-107.0644-2-06-	0-201564-07/13/74-12-	26-13.0	-	-	5.2	50	4-1-7-4-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	1322-107.1205-2-07-	0-201565-07/13/74-12-	26-17.0	-	-	5.7	60	6-1-7-4-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	1061-107.1100-2-07-	0-201566-07/13/74-12-	26-15.0	-	-	5.9	50	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25				
56-44	0977-107.0938-2-07-	0-201567-07/13/74-13-	26-17.0	-	-	5.7	40	9-1-7-4-8-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51				
56-44	0677-107.1072-2-07-	0-201568-07/13/74-13-	26-18.0	-	-	5.7	50	16-1-7-4-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0311-107.1052-2-06-	0-201569-07/13/74-14-	29-20.0	-	-	5.9	90	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0172-107.0938-2-06-	0-201570-07/13/74-14-	29-11.0	-	-	5.0	50	11-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15				
56-44	0255-107.0222-2-07-	0-201571-07/13/74-15-	29-18.0	-	-	5.7	60	12-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0133-106.9936-2-07-	0-201572-07/13/74-15-	29-19.0	-	-	5.9	70	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0111-106.9705-2-06-	0-201573-07/13/74-16-	23-13.0	-	-	5.7	60	6-1-7-5-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0144-106.9483-2-06-	0-201574-07/13/74-16-	23-20.0	-	-	6.2	90	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0177-106.9244-2-06-	0-201575-07/13/74-17-	23-13.0	-	-	5.9	60	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72				
56-44	0272-106.8955-2-06-	0-201576-07/13/74-17-	23-14.0	-	-	5.9	80	11-1-7-5-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0238-106.8683-2-06-	0-201577-07/13/74-17-	23-12.0	-	-	5.7	70	8-1-7-5-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38				
56-44	0277-106.8622-2-06-	0-201578-07/13/74-17-	23-14.0	-	-	5.9	90	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0438-106.8505-2-06-	0-201579-07/13/74-17-	23-12.0	-	-	5.9	60	11-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0305-106.9261-2-07-	0-201580-07/13/74-18-	23-17.0	-	-	5.7	50	9-1-7-4-8-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47				
56-44	0313-106.9255-2-07-	0-201581-07/13/74-18-	23-15.0	-	-	5.9	60	6-1-7-4-8-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52				
56-44	0694-106.9005-2-07-	0-201583-07/13/74-18-	23-16.0	-	-	5.7	70	6-1-7-4-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0827-106.8419-2-06-	0-201584-07/13/74-18-	23-14.0	-	-	5.9	50	9-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0827-106.9055-2-06-	0-201585-07/13/74-19-	22-13.0	-	-	5.7	90	9-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54				
56-44	0927-106.8116-2-06-	0-201587-07/13/74-19-	22-15.0	-	-	5.9	50	3-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	1094-106.8511-2-06-	0-201588-07/13/74-19-	22-13.0	-	-	5.9	80	6-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-44	0177-107.0527-2-07-	0-201589-07/14/74-8-	15-10.0	-	-	5.5	30	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23				
56-44	0038-107.0705-2-10-	0-201590-07/14/74-8-	15-12.0	-	-	6.2	150	11-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29				
56-43	9872-107.6366-2-10-	0-201591-07/14/74-8-	15-9.0	-	-	6.2	270	12-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-43	9788-107.6594-2-10-	0-201592-07/14/74-9-	20-14.0	-	-	5.2	21	8-1-7-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15				
56-43	9805-107.1194-2-06-	0-201593-07/14/74-9-	20-12.0	-	-	6.1	300	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-43	9783-107.6838-2-10-	0-201594-07/14/74-9-	20-13.0	-	-	6.2	300	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-43	9616-107.0744-2-10-	0-201595-07/14/74-9-	20-11.0	-	-	6.5	350	6-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10				
56-43	9511-107.0372-2-10-	0-201596-07/14/74-9-	20-12.0	-	-	6.1	340	11-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.82				
56-43	9555-107.0327-2-06-	0-201597-07/14/74-10-	20-10.																																





LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																	U CONCENTRATION												
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (eU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																											
56-44.1427-106.0463-2-08-	n-201773-10/10/76-8-	12-10.0				6.8	1120	6-1-7-																										0.17	
56-44.1322-106.0969-2-08-	n-201774-10/10/76-8-	12-10.0				6.8	920	6-1-7-																										0.17	
56-44.1547-106.1180-2-08-	n-201775-10/10/76-8-	12-11.0				6.4	800	14-1-7-																										0.16	
56-44.1494-106.1433-2-08-	n-201776-10/10/76-8-	12-10.0				6.4	900	16-1-7-																										0.10	
56-44.1747-106.1358-2-08-	n-201777-10/10/76-9-	14-11.0				6.4	1000	16-1-7-																										0.15	
56-44.1744-106.1116-2-08-	n-201778-10/10/76-9-	14-11.0				6.9	1100	12-1-7-																										0.10	
56-44.1902-106.1372-2-08-	n-201780-10/10/76-9-	14-12.0				6.9	1000	11-1-7-																										0.15	
56-44.1966-106.1227-2-08-	n-201781-10/10/76-9-	14-10.0				6.9	900	11-1-7-																										0.20	
56-44.1811-106.8883-2-08-	n-201782-10/10/76-9-	14-10.0				6.4	430	16-1-7-																										0.42	
56-44.1750-106.8944-2-08-	n-201783-10/10/76-10-	16-10.0				6.4	440	16-1-7-																										0.38	
56-44.1738-106.9288-2-08-	n-201784-10/10/76-10-	16-10.0				6.4	420	12-1-7-																										0.10	
56-44.1894-106.9433-2-08-	n-201787-10/10/76-10-	16-11.0				6.9	520	19-1-7-																										0.10	
56-44.1952-106.9700-2-08-	n-201789-10/10/76-11-	18-10.0				6.9	500	17-1-7-																										0.18	
56-44.2222-106.0347-2-08-	n-201793-10/10/76-11-	18-11.0				6.8	800	11-1-7-																										0.10	
56-44.2122-106.0583-2-08-	n-201794-10/10/76-12-	20-10.0				6.8	830	12-1-7-																										0.10	
56-44.2175-106.1175-2-08-	n-201797-10/10/76-12-	20-11.0				6.9	920	14-1-7-1																										0.10	
56-44.2277-106.1327-2-08-	n-201798-10/10/76-12-	20-9.0				6.9	1000	12-1-7-																										0.10	
56-44.2494-106.1361-2-08-	n-201799-10/10/76-13-	20-11.0				7.2	1100	14-1-7-																										0.10	
56-44.2172-106.1577-2-08-	n-201800-10/10/76-13-	20-10.0				6.9	1200	8-1-7-																										0.10	
56-44.2416-106.1594-2-08-	n-201809-10/10/76-13-	20-10.0				7.2	1000	17-1-7-																										1.89	
56-44.2902-106.1175-2-08-	n-201811-10/10/76-13-	20-11.0				7.2	1000	16-1-7-																										0.25	
56-44.2655-106.1072-2-08-	n-201812-10/10/76-14-	20-9.0				7.2	950	17-1-7-																										2.26	
56-44.2080-106.1569-2-08-	n-201814-10/10/76-14-	20-9.0				6.4	450	12-1-7-																										0.63	
56-44.1922-106.1450-2-08-	n-201815-10/10/76-14-	20-10.0				6.4	400	12-1-7-																										0.10	
56-44.1750-106.1544-2-08-	n-201817-10/10/76-15-	20-10.0				6.7	4000	17-1-7-																										2.99	
56-44.1619-106.1575-2-08-	n-201818-10/10/76-15-	20-9.0				6.7	430	16-1-7-																										0.10	
56-44.6508-107.0150-2-06-	n-201822-05/26/76-12-	16-12.0				7.0	750	3-1-6-6-6-2-3-1-																										0.10	
56-44.6358-107.0250-2-08-	n-201830-05/26/76-12-	18-12.5				6.3	140	4-1-7-																										0.48	
56-44.6297-107.0280-2-07-	n-201831-05/26/76-13-	19-7.0				5.8	421	5-1-8-4-8-4-4-1-2-2-3-2-2-																										0.92	
56-44.6708-107.0150-2-08-	n-201834-05/26/76-14-	22-14.0				6.8	800	4-1-7-																										0.10	
56-44.6691-107.0683-2-08-	n-201835-05/26/76-14-	25-10.0				7.0	375	5-1-7-																										0.39	
56-44.6672-107.0713-2-07-	n-201836-05/26/76-14-	22-10.5				6.4	175	5-1-6-5-6-3-4-1-2-2-3-2-1-																										0.40	
56-44.6897-107.0838-2-07-	n-201837-05/26/76-14-	20-16.0				7.6	670	10-1-6-4-6-2-4-1-1-2-3-2-1-																										6.80	
56-44.7050-107.0780-2-08-	n-201838-05/26/76-15-	20-14.0				6.8	600	5-1-7-																										80-	8.57
56-44.7333-107.0730-2-08-	n-201840-05/26/76-16-	22-20.0				6.8	850	5-1-7-																										75-	0.10
56-44.0408-106.7652-2-08-	n-201842-05/27/76-10-	23-18.0				6.4	450	4-1-7-																										2.68	
56-44.0269-106.7655-2-07-	n-201843-05/27/76-11-	23-12.0				6.5	265	11-1-6-5-6-3-4-2-2-4-3-3-1-																										0.52	
56-44.0619-106.7544-2-10-	n-201846-05/27/76-13-	26-23.0				6.4	1500	15-1-6-5-6-3-2-3-3-3-1-																										6.45	
56-44.0805-106.7869-2-08-	n-201850-05/27/76-16-	23-18.0				6.9	670	6-1-7-																											1.97
56-44.0866-106.8025-2-06-	n-201851-05/27/76-16-	22-18.0				6.8	460	7-1-4-6-8-2-3-1-1-1-2-4-1-																										0.74	
56-44.0738-106.7955-2-06-	n-201852-05/27/76-16-	24-14.0				6.4	340	6-1-7-4-6-3-3-1-1-1-3-3-1-																										1.72	
56-44.1291-106.7930-2-08-	n-201856-05/27/76-18-	22-15.0				6.8	400	3-1-6-																											1.31
56-44.1977-106.7691-2-08-	n-201858-05/28/76-9-	23-16.0				6.0	154	4-1-7-																											0.46
56-44.2163-106.7583-2-08-	n-201860-05/28/76-10-	25-14.5				6.4	1100	16-1-6-																											2.01
56-44.2327-106.7625-2-07-	n-201862-05/28/76-10-	24-17.0				6.9	1300	0-1-6-4-6-2-3-1-2-4-3-3-1-																										7.97	
56-44.1783-106.7944-2-06-	n-201864-05/28/76-12-	23-17.0				6.4	750	12-1-7-6-6-2-3-1-																											0.30
56-44.1691-106.8027-2-07-	n-201865-05/28/76-12-	23-14.0				6.0	220	9-1-4-4-4-4-4-1-2-2-3-3-2-																											0.55
56-44.1877-106.8302-2-07-	n-201866-05/28/76-13-	21-7.0				5.4	50	11-1-4-4-4-4-4-1-2-2-3-4-2-																											0.10
56-44.1509-106.9180-2-08-	n-201867-05/28/76-15-	19-13.0				5.7	1800	3-1-6-4-6-2-3-1-2-2-3-4-2-																											0.10
56-44.1425-106.9769-2-07-	n-201868-05/28/76-14-	21-14.0				5.6	43-	4-1-8-6-8-3-4-1-2-2-3-3-2-																											0.10
56-44.1500-106.9697-2-07-	n-201869-05/28/76-15-	22-14.0				5.7	550	11-2-7-5-8-4-4-1-2-1-4-5-1-																											0.23



LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER					LASL SAMPLE NUMBER AND FIELD DATA															U CONCENTRATION															
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (eU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																											
56-44	3238-106.8838-2-08-	n-201930-07/20/74-13-	29-8.n	-	-	6.3	180	-	-	-	-	-	2-1-7-6-6-2-3-1-2-4-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	0230-105.4741-2-08-	n-201931-07/20/74-13-	23-12.n	-	-	6.2	1600	-	-	-	-	-	3-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.60		
56-44	0213-105.4316-2-08-	n-201932-07/20/74-13-	24-14.n	-	-	6.6	2000	-	-	-	-	-	4-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.12		
56-44	0375-105.3816-2-08-	n-201933-07/20/74-14-	24-22.n	-	-	5.2	300	-	-	-	-	-	6-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	0505-105.3986-2-08-	n-201934-07/20/74-14-	30-25.n	-	-	7.2	700	-	-	-	-	-	4-1-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	0738-105.3994-2-10-	n-201935-07/20/74-15-	30-26.n	-	-	6.3	200	-	-	-	-	-	6-1-6-4-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	1011-105.4327-2-08-	n-201937-07/20/74-15-	31-25.n	-	-	6.5	1600	-	-	-	-	-	6-1-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02		
56-44	0436-105.4458-2-08-	n-201938-07/20/74-15-	31-20.n	-	-	6.3	1100	-	-	-	-	-	9-1-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.34		
56-44	0597-105.4283-2-08-	n-201939-07/20/74-16-	30-16.n	-	-	6.2	1900	-	-	-	-	-	7-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60		
56-44	0377-105.4194-2-08-	n-201940-07/20/74-17-	30-23.n	-	-	6.5	2000	-	-	-	-	-	4-1-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15		
56-44	0708-105.4675-2-08-	n-201941-07/20/74-17-	31-13.n	-	-	6.3	2200	-	-	-	-	-	6-1-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50		
56-44	1152-105.4575-2-08-	n-201943-07/20/74-17-	29-15.n	-	-	6.7	1000	-	-	-	-	-	1-1-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	0163-105.3094-2-08-	n-201944-07/21/74-10-	22-17.n	-	-	6.5	1100	-	-	-	-	-	4-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	0863-105.2572-2-08-	n-201949-07/23/74-11-	24-17.n	°C	-	6.2	600	-	-	-	-	-	9-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	0727-106.1861-2-08-	n-201952-10/10/74-16-	18-9.n	°C	-	6.6	580	-	-	-	-	-	14-1-7-	-	-2-	-1-	-3-2-2-2-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	0533-106.1816-2-08-	n-201953-10/10/74-16-	18-9.n	°C	-	6.7	540	-	-	-	-	-	21-1-7-	-	-	-1-	-4-3-2-1-	-1-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
56-44	0316-106.2019-2-08-	n-201955-10/10/74-17-	17-11.n	-	-	6.8	550	-	-	-	-	-	12-1-7-	-	-2-	-1-	-3-3-2-2-	-1-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		

## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																U CONCENTRATION													
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE ( $\mu\text{mhos/cm}$ )	SCINTILLOMETER (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																											
56-44	2819-105.2041-2-08-	n-200001-03/27/74-12-	11- 9.0	C	-	6.9	2200	8-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62.20		
56-44	2925-105.0997-2-08-	0-200015-03/28/74-14-	4- 7.0	C	-	6.6	3000	12-1-7-	4-7-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.50			
56-44	3088-105.0952-2-10-	0-200016-03/28/74-14-	5- 7.0	C	-	7.2	1500	9-1-7-	4-7-1-2-5-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.30			
56-44	3555-105.0591-2-08-	n-200025-03/28/74- 9-	5- 5.0	C	-	6.3	2500	6-1-6-	4-6-1-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.60			
56-44	3466-105.0447-2-07-	n-200026-03/28/74-10-	5- 6.0	C	-	6.6	4200	9-1-7-	4-7-2-2-2-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.70			
56-44	3986-105.0105-2-10-	0-200030-03/28/74-13-	5- 6.0	C	-	6.6	2500	16-1-6-	4-6-1-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.90			
56-44	4186-105.0450-2-10-	0-200032-03/28/74-14-	6- 6.0	C	-	6.6	2500	19-1-6-	4-6-1-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.40			
56-44	3052-105.0300-2-08-	n-200033-03/28/74-14-	5- 6.0	C	-	6.6	4900	19-1-6-	4-6-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114.10			
56-44	2491-105.0716-2-08-	n-200038-03/30/74- 9-	7- 9.0	C	-	6.6	1400	9-1-6-	4-6-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.20			
56-44	1994-105.0888-2-08-	n-200043-03/30/74-13-	7- 7.0	C	-	6.3	4000	16-1-6-	4-6-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.80			
56-44	7250-105.6869-2-08-	n-200049-03/31/74-11-	15-12.0	C	-	6.6	4800	9-1-6-	4-6-1-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30			
56-44	2819-105.6800-2-09-	n-200068-04/25/74- 9-	12-10.0	C	-	6.1	1200	8-1-7-	4-7-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.10			
56-44	2847-105.7119-2-04-	0-200072-04/25/74-11-	13-10.0	C	-	6.8	1000	13-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	204.30			
56-44	7027-105.4755-2-06-	n-200100-03/30/74-14-	11-10.0	C	-	7.4	5000	9-1-7-	4-7-2-2-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.80			
56-44	8555-105.8333-2-07-	n-200148-04/21/74-13-	21-15.0	C	-	6.9	8000	10-1-6-	4-6-1-2-2-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	212.20			
56-44	8669-105.8483-2-07-	n-200149-04/21/74-13-	21-15.0	C	-	7.0	3200	12-1-6-	4-6-1-2-4-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.50			
56-44	8244-105.5969-2-10-	0-200164-03/27/74-12-	4- 5.0	C	-	6.6	3300	9-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20			
56-44	6969-105.5180-2-08-	n-200168-04/27/74-14-	0- 5.0	C	-	6.6	2200	15-1-6-	4-6-2-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.80			
56-44	6833-105.6038-2-08-	n-200174-04/23/74-12-	11-10.0	C	-	6.6	2900	12-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.60			
56-44	6277-105.6800-2-08-	n-200184-04/23/74-10-	12- 7.0	C	-	6.6	4400	12-1-6-	4-6-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.50			
56-44	6438-105.6419-2-08-	n-200187-04/23/74-11-	13-10.0	C	-	6.6	3700	19-1-7-	4-7-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.00			
56-44	6527-105.6763-2-09-	0-200188-04/23/74-12-	13- 8.0	C	-	6.5	6000	12-1-6-	4-6-1-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.00			
56-44	7413-105.6108-2-08-	n-200201-04/23/74-12-	9-15.0	C	-	6.6	3600	12-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.60			
56-44	9100-105.5738-2-06-	n-200211-04/23/74-15-	14-11.0	C	-	7.5	3000	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.30			
56-44	4977-105.5083-2-08-	n-200223-04/26/74- 9-	16-10.0	C	-	6.0	4900	3-1-6-	4-6-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.20			
56-44	3316-105.5488-2-06-	n-200246-04/26/74-10-	14- 9.0	C	-	6.6	3000	10-1-6-	4-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20			
56-44	3663-105.5572-2-08-	n-200248-04/26/74-11-	13- 9.0	C	-	6.7	2400	10-1-6-	4-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.00			
56-44	1902-105.7227-2-10-	n-200259-04/23/74-13-	10-13.0	C	-	6.4	3000	12-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.20			
56-44	2222-105.7369-2-10-	n-200263-04/23/74-16-	19-14.0	C	-	6.6	1200	16-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.30			
56-44	2097-105.6997-2-07-	n-200265-04/24/74- 9-	11- 5.0	C	-	6.6	1000	9-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67.90			
56-44	1905-105.6469-2-10-	0-200278-04/24/74-13-	17-12.0	C	-	6.9	9000	15-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.70			
56-44	9894-105.4586-2-08-	n-200291-04/26/74-10-	19-10.0	C	-	6.6	3100	12-1-6-	4-6-1-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.30			
56-44	9847-105.3277-2-08-	n-200298-04/26/74-11-	22-13.0	C	-	6.9	1000	9-1-6-	4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20			
56-44	7800-105.8233-2-07-	n-200312-04/25/74- 8-	12- 9.0	C	-	6.3	2300	9-1-6-	4-6-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.60			
56-44	6811-105.8300-2-06-	0-200331-04/26/74-10-	18-10.0	C	-	6.6	5000	16-1-6-	4-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.10			
56-44	9538-105.6630-2-08-	n-200357-04/27/74-10-	10- 9.0	C	-	6.3	3800	10-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.60			
56-44	3533-105.6086-2-08-	n-200366-04/26/74-12-	-	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115.30		
56-44	3430-105.4541-2-06-	0-200374-04/26/74-12-	-	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.40		
56-44	3136-105.6669-2-10-	n-200377-04/27/74-10-	11-12.0	C	-	6.6	3900	6-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.60			
56-44	3327-105.7808-2-10-	0-200380-04/27/74-12-	12-12.0	C	-	5.9	4700	10-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.60			
56-44	3469-105.7294-2-06-	n-200385-04/27/74-14-	14-13.0	C	-	6.9	4700	13-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.20			
56-44	2905-105.6338-2-10-	0-200386-04/27/74-14-	14-12.0	C	-	6.1	7000	13-1-6-	4-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00			
56-44	3305-106.6061-2-06-	n-200390-05/21/74-11-	16-15.0	C	-	7.2	9500	9-1-7-	5-8-2-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.40			
56-44	3397-106.7444-2-08-	n-200391-04/30/74-12-	8-14.0	C	-	7.8	4000	6-1-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.60			
56-44	1941-106.6311-2-07-	n-200395-04/30/74-14-	10-14.0	C	-	6.6	3050	12-1-7-	5-7-2-2-1-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.00			
56-44	2769-106.5647-2-10-	n-200400-05/1/74-11-	18-16.0	C	-	6.6	2800	12-1-7-	5-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.10			
56-44	0311-105.7177-2-08-	n-200401-04/26/74- 8-	10- 8.0	C	-	6.6	1900	12-1-6-	4-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.50			
56-44	0244-105.7238-2-08-	n-200402-04/26/74- 8-	12- 6.0	C	-	6.6	2100	9-1-6-	4-6-1-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.10			
56-44	1163-105.7086-2-08-	n-																																	

LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																U CONCENTRATION													
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (dU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																											
56-44	9850-106.3113	-2-08-	0-200444	-04/20/76-12-	16-12.0	6.0	4000	15-1-7-	-	-2-2-1-	-4-2-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.90			
56-44	9702-106.3094	-2-08-	0-200447	-04/20/76-12-	18-22.0	6.9	4000	9-1-7-	-	-3-3-1-	-4-2-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.80			
56-44	4072-105.2894	-2-08-	0-200466	-04/13/76-12-	20-15.0	8.5	2200	15-1-7-	-4-7-1-2-2-	-4-2-3-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.20			
56-44	6930-106.3408	-2-08-	0-200477	-04/14/76-11-	17-13.0	6.4	2700	12-1-7-	-	-2-2-1-	-4-2-2-3-	-1-3-	4-300-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.90			
56-44	6566-106.2936	-2-10-	0-200484	-04/14/76-12-	16-15.0	6.8	2900	9-1-7-	-5-7-1-2-2-	-4-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105.70			
56-44	7416-106.3169	-2-08-	0-200489	-04/14/76-13-	20-11.0	6.5	3600	7-1-7-	-	-2-3-1-	-4-2-2-2-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.70			
56-44	7300-106.2972	-2-08-	0-200490	-04/14/76-13-	20-13.0	6.8	2950	7-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.30		
56-44	7513-106.2744	-2-08-	0-200491	-04/14/76-15-	17-15.0	6.5	3900	9-1-7-	-	-2-3-1-	-4-2-2-2-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.90			
56-44	8283-106.3436	-2-10-	0-200493	-04/14/76-15-	16-15.0	6.4	2200	9-1-7-	-4-7-1-2-2-	-4-2-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66.60			
56-44	8147-106.2672	-2-10-	0-200497	-04/14/76-16-	17-15.0	6.3	2950	9-1-7-	-	-2-3-2-	-4-2-1-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.30			
56-44	8586-106.0505	-2-08-	0-200541	-04/29/76-13-	24-14.0	6.4	2000	6-1-6-	-4-6-3-3-1-	-4-3-1-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.00			
56-44	7119-106.1863	-2-08-	0-200547	-04/14/76-15-	20-13.0	6.3	3700	12-1-6-	-4-6-3-3-1-	-4-3-2-2-	-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.80			
56-44	4664-105.6488	-2-08-	0-200562	-04/10/76-13-	14-11.0	6.2	3500	12-1-7-	-	-2-3-1-	-4-2-2-3-	-9-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.10		
56-44	4605-105.6813	-2-08-	0-200563	-04/10/76-14-	10-10.0	6.5	4500	9-1-7-	-	-2-3-1-	-4-2-2-3-	-9-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.80		
56-44	3847-105.6611	-2-08-	0-200570	-04/10/76-16-	10-10.0	6.5	2800	16-1-7-	-	-2-3-1-	-4-2-2-3-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.30		
56-44	3963-105.6608	-2-08-	0-200571	-04/10/76-15-	9-9.0	6.5	3500	12-1-7-	-	-2-3-2-	-4-2-2-3-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.20		
56-44	4069-105.4713	-2-06-	0-200574	-04/12/76-7-	10-9.0	6.0	2800	12-1-7-	-	-2-2-1-	-4-2-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.80		
56-44	7413-105.8852	-2-08-	0-200613	-04/27/76-16-	13-9.0	6.4	5000	6-1-6-	-4-6-2-3-1-	-4-2-3-3-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60		
56-44	6683-106.0783	-2-07-	0-200620	-04/29/76-10-	18-12.0	6.4	7000	16-1-6-	-4-6-1-2-1-2-	-2-2-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75.10		
56-44	6486-106.0477	-2-07-	0-200624	-04/29/76-11-	23-16.0	6.4	4200	12-1-6-	-4-6-2-2-1-	-2-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.10		
56-44	4427-106.3344	-2-06-	0-200661	-04/13/76-12-	22-9.0	6.4	4600	14-1-6-	-4-6-2-2-1-	-3-2-4-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.40		
56-44	3333-106.2211	-2-07-	0-200676	-04/14/76-10-	14-12.0	7.5	9000	9-1-6-	-4-6-1-2-2-	-3-2-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	276.40		
56-44	8797-106.3152	-2-08-	0-200710	-04/15/76-11-	17-11.0	6.8	2900	9-1-6-	-	-2-3-1-	-4-3-2-1-	-1-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60		
56-44	9358-106.3527	-2-08-	0-200713	-04/15/76-11-	18-15.0	6.8	4000	10-1-6-	-	-2-3-1-	-4-3-2-1-	-1-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
56-44	7986-106.4205	-2-10-	0-200726	-04/16/76-9-	5-8.0	6.5	3400	12-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.10	
56-44	8138-106.3433	-2-10-	0-200727	-04/16/76-9-	5-6.0	6.4	3750	9-1-7-	-5-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.40		
56-44	7872-106.4511	-2-10-	0-200730	-04/16/76-9-	4-6.0	6.3	2800	9-1-7-	-5-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.70		
56-44	9750-106.3986	-2-08-	0-200736	-04/16/76-10-	8-10.0	6.3	2850	10-1-7-	-	-2-2-1-	-4-2-2-4-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70.90		
56-44	6941-106.4561	-2-10-	0-200742	-04/21/76-10-	12-9.0	6.3	3100	18-1-6-	-4-6-1-3-1-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.30		
56-44	7152-106.4261	-2-10-	0-200745	-04/21/76-11-	11-12.0	6.4	4400	9-1-6-	-4-6-1-3-1-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85.00		
56-44	6852-106.4719	-2-10-	0-200746	-04/21/76-11-	13-12.0	6.9	1600	6-1-6-	-4-6-1-3-1-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71.90		
56-44	6330-106.4600	-2-08-	0-200749	-04/21/76-12-	14-14.0	7.2	2100	9-1-6-	-	-2-2-3-	-4-3-2-2-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.60		
56-44	6488-106.4638	-2-10-	0-200750	-04/21/76-12-	16-15.0	6.8	2900	6-1-6-	-4-6-1-2-	-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.30		
56-44	5283-106.4636	-2-08-	0-200759	-04/21/76-15-	15-13.0	6.3	4300	3-1-6-	-	-3-3-1-	-4-3-2-1-	-1-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105.90		
56-44	5227-106.4461	-2-08-	0-200760	-04/21/76-14-	14-13.0	6.4	3400	12-1-6-	-	-3-2-1-	-4-3-2-1-	-1-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.60		
56-44	5208-106.4113	-2-10-	0-200761	-04/21/76-15-	14-11.0	6.3	1700	6-1-6-	-4-6-1-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.80		
56-44	5886-106.4683	-2-10-	0-200763	-04/21/76-15-	15-12.0	6.3	1000	9-1-6-	-4-6-1-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.90		
56-44	7180-106.5638	-2-06-	0-200776	-04/22/76-14-	18-16.0	6.9	3000	10-1-7-	-5-7-2-2-1-	-4-2-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.20		
56-44	5786-106.5188	-2-10-	0-200787	-04/22/76-16-	18-15.0	6.3	1250	4-1-7-	-4-7-1-2-3-	-4-2-1-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.70		
56-44	7355-106.6341	-2-06-	0-200789	-04/24/76-10-	19-9.0	6.5	1100	9-1-6-	-4-6-2-2-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.50		
56-44	7991-106.7441	-2-10-	0-200792	-04/24/76-11-	16-16.0	6.4	1300	9-1-6-	-4-6-1-2-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.30		
56-44	7869-106.6827	-2-10-	0-200793	-04/24/76-12-	18-17.0	6.3	2500	12-1-6-	-4-6-1-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.80		
56-44	7947-106.6155	-2-06-	0-200800	-04/24/76-13-	20-19.0	6.8	2100	6-1-6-	-4-6-2-2-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.80		
56-44	2711-106.7694	-2-06-	0-200812	-04/23/76-11-	10-6.0	6.5	2400	3-1-1-	-4-6-1-	-1-	-4-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.50		
56-44	2766-106.7655	-2-07-	0-200815	-04/23/76-15-	12-10.0	6.4	2150	9-1-6-	-4-6-2-2-1-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.90		
56-44	2969-106.8050	-2-07-	0-200816	-04/23/76-15-	8-10.0	6.5	1350	12-1-6-	-4-6-2-3-1-	-4-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.30		
56-44	2833-106.7861	-2-06-	0-200818	-04/23/76-16-	10-9.0																														



### LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																U CONCENTRATION													
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (dU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES	UNITS IN ppb
							DATE	HOUR																											
56-44.7833-107.0411-2-10-	0-201306-05/13/74-16-	28-24.0	-	-	8.0	3500	19-1-6-	-	-1-3-2-	-4-2-2-	-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.10			
56-43.5541-106.8041-2-06-	0-201482-07/05/74-14-	33-25.0	-	-	7.2	500	6-1-7-4-6-3-3-1-	-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.30			
56-43.5527-106.7930-2-06-	0-201483-07/05/74-14-	33-23.0	-	-	7.4	550	6-1-7-4-6-3-3-1-	-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.10			
56-43.5472-106.8041-2-06-	0-201484-07/05/74-14-	35-22.0	-	-	7.2	500	6-1-7-4-4-2-2-1-	-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.10			
56-43.6541-106.8708-2-08-	0-201490-07/05/74-16-	35-20.0	-	-	7.4	800	11-1-7-	-	-3-3-2-	-4-3-3-1-	-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.90			
56-43.7055-106.8194-2-08-	0-201503-07/08/74-19-	35-19.0	-	-	8.1	5500	4-1-4-	-	-3-3-1-	-4-3-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.50			
56-43.6597-106.8458-2-06-	0-201505-07/08/74-18-	28-18.0	-	-	6.6	700	9-1-7-5-6-3-3-1-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60			
56-43.9708-106.7847-2-10-	0-201509-07/09/74-17-	36-23.0	-	-	7.2	1400	11-1-7-5-6-3-3-1-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.40			
56-43.8944-106.7541-2-10-	0-201511-07/09/74-18-	36-19.0	-	-	6.8	1800	9-1-7-5-6-3-3-1-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.70			
56-43.9288-106.7133-2-10-	0-201512-07/09/74-18-	36-20.0	-	-	6.8	1200	11-1-7-5-6-3-3-1-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.40			
56-43.5638-106.8666-2-08-	0-201521-07/10/74-6-	15-12.0	-	-	6.5	3700	11-1-4-	-	-2-2-1-	-4-3-3-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.10			
56-43.8222-106.8555-2-08-	0-201553-07/10/74-17-	37-18.0	-	-	6.9	2500	9-1-7-	-	-3-3-1-	-4-3-3-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.90			
56-43.7972-106.8527-2-08-	0-201555-07/10/74-17-	37-16.0	-	-	6.7	2700	9-1-7-	-	-3-3-1-	-4-3-4-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.70			
56-43.7861-106.8375-2-08-	0-201556-07/10/74-17-	37-19.0	-	-	7.2	3000	9-1-7-	-	-3-3-1-	-4-3-3-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.30			
56-44.9577-105.1586-2-08-	0-201633-07/02/74-12-	33-16.0	-	-	6.9	800	6-1-7-	-	-3-3-1-	-4-3-4-1-	-9-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.70			
56-44.7538-105.2122-2-08-	0-201672-07/02/74-17-	30-14.0	-	-	7.8	800	9-1-7-	-	-	-1-	-4-3-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40			
56-44.6744-105.1263-2-08-	0-201689-07/03/74-14-	33-13.5	-	-	7.5	550	8-1-7-	-	-	-1-	-4-3-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.40			
56-44.3758-105.8008-2-08-	0-201703-10/08/74-13-	21-11.0	-	-	6.9	2000	17-1-7-	-	-	-1-	-4-3-2-1-	-1-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.10			
56-44.1138-105.8566-2-06-	0-201726-10/09/74-8-	12-12.0	-	-	6.9	5500	8-1-7-5-8-3-3-1-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.50			
56-44.0694-105.7577-2-06-	0-201730-10/09/74-9-	14-12.0	-	-	6.9	5300	9-1-7-5-6-3-3-1-	-	-3-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.00			
56-44.0327-105.7811-2-06-	0-201732-10/09/74-9-	14-11.0	-	-	6.9	5000	9-1-7-5-6-3-3-1-	-	-3-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.70			
56-44.0922-106.0255-2-08-	0-201767-10/09/74-17-	16-9.0	-	-	6.9	800	14-1-7-	-	-	-1-	-4-3-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80			
56-44.2155-106.0922-2-08-	0-201796-10/10/74-12-	20-10.0	-	-	6.9	850	12-1-7-	-	-	-1-	-4-3-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10			
56-44.7297-107.0672-2-07-	0-201839-05/06/74-15-	21-14.0	-	-	7.4	575	4-1-6-4-6-3-3-1-	-	-2-2-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.50			
56-44.2038-106.7522-2-10-	0-201859-05/08/74-10-	23-19.0	-	-	6.5	1750	7-1-6-5-6-	-	-3-1-	-6-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.40			
56-44.1597-106.7675-2-07-	0-201863-05/08/74-11-	27-20.0	-	-	7.2	3000	14-1-6-4-6-2-2-1-	-	-3-3-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.70			
56-44.3861-106.7572-2-07-	0-201882-05/09/74-13-	20-15.0	-	-	6.8	1100	15-1-7-6-6-4-4-1-	-	-2-2-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.10			
56-44.4383-106.8522-2-07-	0-201887-05/09/74-14-	18-15.0	-	-	7.7	1100	12-1-7-5-6-3-3-1-	-	-2-2-3-2-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.90			
56-44.5786-106.6394-2-08-	0-201899-05/11/74-13-	26-12.0	-	-	7.2	1000	12-1-7-	-	-	-1-	-2-3-2-2-	-1-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20-	16.10		
56-44.5313-106.8466-2-07-	0-201915-06/11/74-13-	27-17.0	-	-	6.3	165	25-1-7-6-6-3-4-1-	-	-2-2-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.50			
56-44.0366-106.1763-2-08-	0-201957-10/10/74-18-	18-10.0	-	-	6.7	480	21-1-7-	-	-	-1-	-4-3-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10			
56-44.0172-106.1805-2-08-	0-201958-10/10/74-18-	18-12.0	-	-	6.8	450	17-1-7-	-	-2-	-1-	-3-2-3-2-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60			
56-44.1666-106.2083-2-08-	0-201960-10/11/74-9-	11-10.0	-	-	6.4	800	16-1-7-	-	-	-1-	-4-3-2-1-	-1-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.90			
56-44.0825-106.3583-2-08-	0-201964-10/11/74-10-	14-10.0	-	-	6.8	1900	19-1-7-	-	-	-1-	-4-3-2-1-	-1-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	53.50			
56-44.0927-106.3072-2-08-	0-201967-10/11/74-10-	14-11.0	-	-	6.8	2400	16-1-7-1-	-	-	-1-	-4-3-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63.20			
56-44.0833-106.2705-2-08-	0-201969-10/11/74-11-	16-10.0	-	-	6.9	3000	16-1-7-	-	-	-1-	-4-3-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.00			
56-44.0716-106.2608-2-08-	0-201971-10/11/74-11-	16-11.0	-	-	6.9	2100	17-1-7-	-	-	-1-	-4-3-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58.70			
56-44.0658-106.2686-2-08-	0-201973-10/11/74-12-	16-11.0	-	-	6.9	2000	16-1-7-	-	-	-1-	-4-3-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.30			
56-44.0350-106.3197-2-08-	0-201975-10/11/74-12-	16-12.0	-	-	6.9	2400	16-1-7-	-	-	-1-	-4-3-2-1-	-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59.30			



APPENDIX B

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS

FOR

SEDIMENT SAMPLES

(Pages 50 through 68)





LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

STATE	ERDA SAMPLE NUMBER					LASL SAMPLE NUMBER AND FIELD DATA																	U CONCENTRATION													
	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (eU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES	UNITS IN ppm	
							DATE	HOUR																												
56-44	.4230-105	.3452-2-15	0-200310-04/06/76-16	14-		0-200310-04/06/76-16	14-								10-1-7-4-7-																					3.80
56-44	.7800-105	.8233-2-12	0-200312-04/05/76-8	12-		0-200312-04/05/76-8	12-	9.0				6.3	2300-		9-1-6-4-6-2-3-1-																					3.50
56-44	.8011-105	.8469-2-13	0-200314-04/05/76-9	14-		0-200314-04/05/76-9	14-								9-1-6-4-6-																					3.40
56-44	.7702-105	.8147-2-14	0-200315-04/05/76-9	14-		0-200315-04/05/76-9	14-	10.0				5.7	310-		6-1-6-4-6-1-2-2-																					3.80
56-44	.6711-105	.8505-2-13	0-200327-04/06/76-9	18-		0-200327-04/06/76-9	18-	2.0				6.3	350-		16-1-4-4-6-1-2-3-																					3.50
56-44	.5927-105	.9005-2-15	0-200347-04/06/76-12			0-200347-04/06/76-12																														5.00
56-44	.4205-105	.4352-2-97	0-200352-04/06/76-16	14-		0-200352-04/06/76-16	14-								9-1-7-4-7-																					3.30
56-44	.8883-105	.6091-2-15	0-200355-04/07/76-9	12-		0-200355-04/07/76-9	12-								12-1-7-5-6-																					3.50
56-44	.4141-105	.6625-2-97	0-200356-04/07/76-9	9-		0-200356-04/07/76-9	9-								12-1-7-4-6-																					3.20
56-44	.4685-105	.6777-2-15	0-200358-04/07/76-10	15-		0-200358-04/07/76-10	15-								15-1-7-5-6-																					3.80
56-44	.4263-105	.6525-2-15	0-200361-04/07/76-10	12-		0-200361-04/07/76-10	12-								13-1-7-4-6-																					3.30
56-44	.4788-105	.6938-2-15	0-200362-04/07/76-11	16-		0-200362-04/07/76-11	16-								18-1-7-4-6-																					3.50
56-44	.3166-105	.4438-2-15	0-200371-04/06/76-12			0-200371-04/06/76-12																														10.10
56-44	.3136-105	.6669-2-14	0-200377-04/07/76-10	11-		0-200377-04/07/76-10	11-	12.0				6.8	3900-		6-1-6-4-6-1-2-1-																					4.10
56-44	.3244-105	.7063-2-14	0-200378-04/07/76-10	11-		0-200378-04/07/76-10	11-	12.0				5.5	230-		6-1-6-4-6-1-2-1-																				3.40	
56-44	.3193-105	.8016-2-14	0-200379-04/07/76-11	13-		0-200379-04/07/76-11	13-	11.0				5.9	3200-		6-1-6-4-6-1-2-1-																					3.60
56-44	.3327-105	.7808-2-14	0-200380-04/07/76-12	12-		0-200380-04/07/76-12	12-	12.0				5.9	470-		10-1-6-4-6-1-2-1-																					3.70
56-44	.3469-105	.7294-2-11	0-200385-04/07/76-14	14-		0-200385-04/07/76-14	14-	13.0				5.4	4700-		3-1-6-4-6-1-2-1-																					3.80
56-44	.2905-105	.6338-2-14	0-200386-04/07/76-14	14-		0-200386-04/07/76-14	14-	12.0				6.1	700-		13-1-6-4-6-1-2-1-																					3.60
56-44	.2072-106	.6316-2-12	0-200394-04/30/76-13	10-		0-200394-04/30/76-13	10-	15.0				6.9	3950-		9-1-7-5-7-2-2-1-2-4-1-2-1-																					3.90
56-44	.1941-106	.6311-2-12	0-200395-04/30/76-14	10-		0-200395-04/30/76-14	10-	14.0				6.6	3050-		12-1-7-5-7-2-2-1-2-4-3-2-1-																					2.90
56-44	.2769-106	.5647-2-14	0-200400-05/01/76-11	18-		0-200400-05/01/76-11	18-	16.0				6.6	2800-		12-1-7-5-7-																					4.30
56-44	.0083-105	.7266-2-14	0-200403-04/06/76-9	10-		0-200403-04/06/76-9	10-	12.0				5.7	275-		18-1-6-4-6-1-2-1-																					3.50
56-44	.0663-105	.7185-2-14	0-200409-04/06/76-11	13-		0-200409-04/06/76-11	13-	10.0				6.6	390-		9-1-6-4-6-1-2-2-																					3.60
56-44	.0761-105	.5416-2-15	0-200422-04/06/76-12			0-200422-04/06/76-12																														3.10
56-44	.0477-105	.5422-2-12	0-200430-04/06/76-12			0-200430-04/06/76-12																														3.50
56-44	.1633-105	.5394-2-96	0-200433-04/06/76-12			0-200433-04/06/76-12																														3.30
56-44	.4655-106	.2677-2-11	0-200440-04/20/76-10	17-		0-200440-04/20/76-10	17-	12.0				6.0	250-		12-1-7-5-7-2-2-1-																					3.80
56-44	.4916-106	.3116-2-15	0-200441-04/20/76-11	14-		0-200441-04/20/76-11	14-								9-1-7-4-7-																					3.40
56-44	.4700-106	.2425-2-14	0-200442-04/20/76-11	15-		0-200442-04/20/76-11	15-	12.0				6.0	1000-		9-1-7-5-6-2-2-2-																					4.20
56-44	.4594-106	.2866-2-15	0-200445-04/20/76-12	19-		0-200445-04/20/76-12	19-								13-1-7-4-7-																					3.50
56-44	.4591-106	.2841-2-15	0-200446-04/20/76-12	19-		0-200446-04/20/76-12	19-								12-1-7-4-7-																					3.60
56-44	.4638-106	.3044-2-15	0-200448-04/20/76-13	17-		0-200448-04/20/76-13	17-								12-1-7-4-7-																					5.00
56-44	.4866-106	.4472-2-15	0-200449-04/20/76-13	16-		0-200449-04/20/76-13	16-								10-1-7-4-7-																					2.90
56-44	.4872-105	.6033-2-97	0-200454-04/12/76-17	19-		0-200454-04/12/76-17	19-								10-1-7-4-7-																					2.90
56-44	.3758-105	.4583-2-11	0-200455-04/13/76-8	11-		0-200455-04/13/76-8	11-	13.0				6.3	160-		9-1-6-4-6-2-3-3-																					3.40
56-44	.4019-105	.3813-2-11	0-200457-04/13/76-9	19-		0-200457-04/13/76-9	19-	14.0				6.5	600-		12-1-6-4-6-2-3-1-																					3.90
56-44	.4437-105	.3847-2-11	0-200458-04/13/76-9	20-		0-200458-04/13/76-9	20-	15.0				6.8	800-		6-1-6-4-8-2-2-																					2.70
56-44	.4555-105	.4100-2-11	0-200459-04/13/76-9	20-		0-200459-04/13/76-9	20-	12.0				6.1	175-		12-1-6-4-6-2-2-1-																					3.00
56-44	.4738-105	.3463-2-15	0-200462-04/13/76-10	20-		0-200462-04/13/76-10	20-								9-1-7-4-7-																					2.50
56-44	.4158-105	.3616-2-15	0-200463-04/13/76-10	20-		0-200463-04/13/76-10	20-								9-1-7-4-7-																					3.30
56-44	.4044-105	.3236-2-15	0-200465-04/13/76-12	20-		0-200465-04/13/76-12	20-								9-1-7-4-7-																					3.00
56-44	.3938-105	.3037-2-15	0-200467-04/13/76-13	19-		0-200467-04/13/76-13	19-								16-1-7-4-7-																					2.90
56-44	.3813-105	.3016-2-15	0-200468-04/13/76-13	19-		0-200468-04/13/76-13	19-								15-1-7-4-7-																					5.30
56-44	.6487-106	.1355-2-15	0-200471-04/14/76-9	11-		0-200471-04/14/76-9	11-								9-1-7-5-7-																					4.50
56-44	.6311-106	.1502-2-97	0-200472-04/14/76-9	13-		0-200472-04/14/76-9	13-								12-1-7-4-6-																					3.90
56-44	.7197-106	.2533-2-15	0-200474-04/14/76-10	13-		0-200474-04/14/76-10	13-								11-1-7-5-7-																					4.30
56-44	.7047-106	.2913-2-11	0-200476-04/14/76-11	1																																





### LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA															U CONCENTRATION															
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (eU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES	UNITS IN ppm	
							DATE	HOUR																												
56-44	1977-106.1540	-2-15-	0-200708-04	15/76-8	14-										12-1-6-																				4.00	
56-44	8241-106.1783	-2-15-	0-200709-04	15/76-9	15-										15-1-6-																				4.10	
56-44	1111-106.3486	-2-15-	0-200711-04	15/76-11	17-										9-1-6-4-6-																				3.70	
56-44	8966-106.3736	-2-15-	0-200712-04	15/76-11	17-										12-1-6-4-6-																				10.20	
56-44	3361-106.3591	-2-15-	0-200714-04	15/76-11	18-										9-1-6-4-6-																				3.40	
56-44	3303-106.3088	-2-15-	0-200715-04	15/76-11	18-										10-1-6-4-6-																				3.60	
56-44	2216-106.3172	-2-15-	0-200717-04	15/76-11	19-										10-1-6-4-6-																				3.60	
56-44	8755-106.1700	-2-15-	0-200719-04	15/76-12	20-										3-1-6-4-6-																				3.20	
56-44	9336-106.2330	-2-15-	0-200720-04	15/76-12	22-										7-1-6-4-6-																				3.20	
56-44	9338-106.1833	-2-15-	0-200721-04	15/76-13	21-										10-1-6-4-6-																				3.00	
56-44	9083-106.1408	-2-15-	0-200722-04	15/76-13	21-										12-1-6-5-																				3.50	
56-44	9106-106.1386	-2-15-	0-200723-04	15/76-13	21-										9-1-6-5-6-																				11.20	
56-44	7916-106.3922	-2-97-	0-200725-04	16/76-8	5-										9-1-7-5-7-																				3.90	
56-44	7986-106.4205	-2-14-	0-200726-04	16/76-9	5-			8.0					6.5	3400	12-1-7-																				3.50	
56-44	8138-106.3833	-2-14-	0-200727-04	16/76-9	5-			6.0					6.6	3750	9-1-7-5-7-																				3.40	
56-44	8388-106.4327	-2-97-	0-200728-04	16/76-9	4-										3-4-2-5-7-																				3.10	
56-44	8522-106.4894	-2-15-	0-200729-04	16/76-9	5-										9-1-7-4-7-																				2.60	
56-44	7872-106.4511	-2-14-	0-200730-04	16/76-9	4-			8.0					6.3	2800	9-1-7-5-7-																				3.60	
56-44	7711-106.4627	-2-97-	0-200731-04	16/76-9	5-										18-1-7-5-7-																				3.40	
56-44	7794-106.4327	-2-15-	0-200732-04	16/76-9	6-										13-1-7-4-7-																					3.30
56-44	9566-106.3927	-2-15-	0-200733-04	16/76-10	4-										13-1-7-4-7-																					2.40
56-44	9727-106.3855	-2-15-	0-200735-04	16/76-10	8-										10-1-7-5-7-																					3.60
56-44	1911-106.8383	-2-15-	0-200737-04	19/76-9	9-										9-1-6-4-6-																					3.60
56-44	6583-106.3922	-2-15-	0-200741-04	21/76-10	13-										12-1-6-4-6-																					3.40
56-44	6941-106.4061	-2-14-	0-200742-04	21/76-10	12-			9.0					6.3	3100	18-1-6-4-6-1-3-1-																				3.40	
56-44	7141-106.4336	-2-15-	0-200743-04	21/76-10	10-										9-1-6-4-6-																					4.20
56-44	7116-106.4861	-2-15-	0-200744-04	21/76-10	10-										12-1-6-4-6-																					3.00
56-44	7152-106.4261	-2-14-	0-200745-04	21/76-11	11-12.0								6.6	44000	9-1-6-4-6-1-3-1-																				3.70	
56-44	6852-106.4719	-2-14-	0-200746-04	21/76-11	13-12.0								6.9	16000	6-1-6-4-6-1-3-1-																				3.50	
56-44	8438-106.4077	-2-97-	0-200748-04	21/76-12	13-										15-1-6-4-6-																					3.00
56-44	8488-106.4538	-2-14-	0-200750-04	21/76-12	16-15.0								6.8	2900	6-1-6-4-6-1-2-																				3.50	
56-44	5988-106.4233	-2-15-	0-200751-04	21/76-13	14-										9-1-6-4-6-																					3.30
56-44	5766-106.4155	-2-15-	0-200753-04	21/76-13	14-										9-1-6-4-6-																					2.90
56-44	5890-106.4058	-2-15-	0-200754-04	21/76-13	14-										9-1-6-4-6-																					2.60
56-44	5588-106.4325	-2-15-	0-200755-04	21/76-14	16-										10-1-6-4-6-																					3.50
56-44	5522-106.4852	-2-15-	0-200757-04	21/76-14	14-										15-1-6-4-6-																					3.30
56-44	5208-106.4113	-2-14-	0-200761-04	21/76-15	14-11.0								6.3	1700	6-1-6-4-6-1-3-1-																				3.50	
56-44	5886-106.4583	-2-14-	0-200763-04	21/76-15	15-12.0								6.3	1000	9-1-6-4-6-1-3-1-																				3.50	
56-44	5355-106.5350	-2-15-	0-200765-04	22/76-9	14-										9-1-7-4-6-																					3.00
56-44	5475-106.6194	-2-15-	0-200769-04	22/76-11	20-										10-1-7-4-7-																					2.90
56-44	6761-106.5116	-2-14-	0-200772-04	22/76-12	20-13.0								6.6	1600	9-1-7-5-7-3-3-1-																				3.40	
56-44	6866-106.5397	-2-14-	0-200773-04	22/76-13	18-17.0								6.8	150	10-1-7-5-7-1-2-2-																				3.00	
56-44	7109-106.5344	-2-11-	0-200774-04	22/76-14	21-15.0								5.7	45	9-1-7-5-7-2-2-1-																				3.30	
56-44	7111-106.5554	-2-11-	0-200775-04	22/76-14	21-17.0								6.8	1150	9-1-7-5-7-2-2-1-																				3.10	
56-44	7180-106.5638	-2-11-	0-200776-04	22/76-14	18-16.0								6.9	30000	10-1-7-5-7-2-2-1-																				4.60	
56-44	7216-106.5750	-2-99-	0-200777-04	22/76-14	21-										10-1-7-4-7-																					3.00
56-44	6455-106.5500	-2-15-	0-200778-04	22/76-14	21-										6-1-7-4-7-																					2.90
56-44	6416-106.5083	-2-11-	0-200779-04	22/76-15	19-16.0								6.6	800	9-1-7-																					2.90
56-44	6491-106.5063	-2-14-	0-200780-04	22/76-15	21-13.0								6.6	800	12-1-7-5-7-2-2-2-																				3.00	
56-44	6997-106.6122	-2-15-	0-200781-04	22/76-15	20-										7-1-7-4-7-																					2.50
56-44	7177-106.6097	-2-15-	0-200782-04	22/76-15	20-										10-1-7-4-7-																					2.80

## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA															U CONCENTRATION														
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE ( $\mu$ mhos/cm)	SCINTILLOMETER ( $\mu$ u ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES	UNITS IN ppm
							DATE	HOUR																											
56-44	5977	-106.5904	-2-14-	0-200785-04	/22/76-16-	18-14.0-	-	-	6.8	1200-	7-1-7-5-7-3-3-2-	-4-2-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70			
56-44	5900	-106.5655	-2-14-	0-200786-04	/22/76-16-	20-14.0-	-	-	6.8	1350-	12-1-7-5-7-2-2-2-	-4-2-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
56-44	5745	-106.5188	-2-14-	0-200787-04	/22/76-16-	18-15.0-	-	-	6.7	1250-	4-1-7-4-7-1-2-3-	-4-2-1-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
56-44	5577	-106.5033	-2-15-	0-200788-04	/22/76-16-	19-	-	-	-	-	12-1-7-4-7-	-	-4-2-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-44	7355	-106.6341	-2-11-	0-200789-04	/24/76-10-	19-9.0-	-	-	6.8	1100-	9-1-6-4-6-2-2-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20			
56-44	7561	-106.6925	-2-14-	0-200791-04	/24/76-12-	20-16.0-	-	-	6.8	1200-	12-1-6-4-6-1-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
56-44	7991	-106.7441	-2-14-	0-200792-04	/24/76-11-	16-16.0-	-	-	6.6	1300-	9-1-6-4-6-1-2-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
56-44	7869	-106.6827	-2-14-	0-200793-04	/24/76-12-	18-17.0-	-	-	6.7	2500-	12-1-6-4-6-1-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
56-44	7802	-106.6598	-2-15-	0-200794-04	/24/76-12-	18-	-	-	-	-	9-1-6-4-6-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
56-44	7647	-106.6416	-2-14-	0-200795-04	/24/76-12-	18-14.0-	-	-	6.8	2150-	9-1-6-4-6-1-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-44	7516	-106.6033	-2-11-	0-200796-04	/24/76-12-	19-16.0-	-	-	6.8	1300-	6-1-6-4-6-2-2-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-44	8077	-106.6802	-2-15-	0-200797-04	/24/76-13-	20-	-	-	-	-	6-1-6-4-6-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
56-44	8086	-106.6688	-2-15-	0-200798-04	/24/76-13-	20-	-	-	-	-	12-1-6-4-6-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	
56-44	8097	-106.6702	-2-15-	0-200799-04	/24/76-13-	20-	-	-	-	-	9-1-6-4-6-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
56-44	7447	-106.6155	-2-11-	0-200800-04	/24/76-13-	20-19.0-	-	-	6.8	2100-	6-1-6-4-6-2-2-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60		
56-44	4283	-106.5936	-2-15-	0-200804-04	/22/76-13-	21-	-	-	-	-	9-1-6-5-6-	-1-	-4-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
56-44	5347	-106.8038	-2-12-	0-200807-04	/22/76-16-	17-14.0-	-	-	6.8	1250-	9-1-6-4-6-2-2-1-2-	-4-4-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
56-44	4913	-106.8033	-2-12-	0-200808-04	/22/76-17-	16-12.5-	-	-	6.8	700-	14-1-8-5-8-2-2-1-	-4-4-1-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70	
56-44	2788	-106.7263	-2-15-	0-200811-04	/23/76-11-	10-	-	-	-	-	9-1-6-4-6-	-	-4-3-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50	
56-44	2711	-106.7594	-2-11-	0-200812-04	/23/76-11-	10-6.0-C	-	-	6.5	2400-	3-1-1-4-6-1-	-1-	-4-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
56-44	2597	-106.8013	-2-11-	0-200813-04	/23/76-12-	10-8.0-	-	-	6.3	1100-	11-1-6-4-6-2-2-1-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60	
56-44	2695	-106.8025	-2-15-	0-200814-04	/23/76-12-	11-	-	-	-	-	11-1-6-4-6-	-	-4-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.90
56-44	2766	-106.7655	-2-12-	0-200815-04	/23/76-15-	12-10.0-	-	-	6.4	2150-	9-1-6-4-6-2-2-1-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
56-44	2464	-106.8059	-2-12-	0-200816-04	/23/76-15-	8-10.0-	-	-	6.5	1350-	12-1-6-4-6-2-3-1-	-4-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50	
56-44	3083	-106.8144	-2-11-	0-200817-04	/23/76-16-	8-10.0-	-	-	6.5	950-	16-1-6-5-6-2-2-1-2-	-4-4-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
56-44	2833	-106.7461	-2-11-	0-200818-04	/23/76-16-	10-9.0-	-	-	6.4	1800-	11-1-6-6-8-2-2-1-2-	-4-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
56-44	2758	-106.8050	-2-12-	0-200819-04	/23/76-17-	12-9.0-	-	-	6.7	1900-	11-1-6-5-6-3-2-1-	-4-4-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
56-44	3288	-106.6672	-2-12-	0-200822-04	/24/76-9-	11-9.5-	-	-	6.4	1950-	3-1-6-4-6-1-2-1-	-4-3-1-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60	
56-44	2636	-106.6377	-2-11-	0-200823-04	/24/76-11-	10-15.0-	-	-	6.5	750-	16-1-6-5-6-2-3-3-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10	
56-44	2869	-106.6209	-2-11-	0-200824-04	/24/76-12-	21-21.0-	-	-	6.8	1000-	9-1-8-6-8-2-3-1-	-4-4-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
56-44	2813	-106.6263	-2-12-	0-200825-04	/24/76-15-	19-16.0-	-	-	5.9	900-	6-1-6-4-6-2-2-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.30	
56-44	3097	-106.6325	-2-15-	0-200826-04	/24/76-16-	11-	-	-	-	-	9-1-6-5-6-	-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20
56-44	8402	-106.8983	-2-12-	0-200831-04	/26/76-13-	8-9.0-	-	-	6.4	1600-	6-1-8-6-8-2-2-1-	-4-3-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
56-44	8702	-106.9683	-2-15-	0-200832-04	/26/76-15-	9-	-	-	-	-	11-1-5-6-	-	-4-3-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60
56-44	8472	-106.8936	-2-11-	0-200833-04	/26/76-13-	16-8.0-	-	-	6.7	950-	9-1-6-4-6-2-2-1-	-4-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
56-44	8527	-106.8800	-2-15-	0-200834-04	/26/76-16-	8-	-	-	-	-	11-1-6-5-6-	-	-4-3-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00
56-44	8425	-106.9911	-2-15-	0-200835-04	/26/76-16-	9-	-	-	-	-	6-1-6-5-6-	-	-4-3-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
56-44	8472	-106.9977	-2-11-	0-200837-04	/26/76-16-	9-11.0-	-	-	6.4	1250-	11-1-6-4-6-2-2-1-	-4-3-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90
56-43	6005	-106.5238	-2-14-	0-200841-05	/16/76-11-	13-13.0-	-	-	7.2	1300-	12-1-7-4-6-1-3-1-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
56-43	5977	-106.5216	-2-97-	0-200842-05	/16/76-11-	13-	-	-	-	-	9-1-7-4-6-	-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90
56-43	6122	-106.4994	-2-97-	0-200843-05	/16/76-11-	13-	-	-	-	-	6-1-7-4-6-	-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00
56-43	6447	-106.4672	-2-14-	0-200844-05	/16/76-12-	16-16.0-C	-	-	7.8	11500-	6-1-7-5-6-1-3-1-	-4-3-3-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
56-43	6197	-106.3988	-2-15-	0-200845-05	/16/76-12-	18-	-	-	-	-	12-1-7-4-6-	-	-4-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10
56-43	6288	-106.4266	-2-97-	0-200846-05	/16/76-13-	16-	-	-	-	-	9-1-7-4-6-	-	-4-3-4-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30
56-43	6283	-106.4227	-2-15-	0-200847-05	/16/76-13-	16-	-	-	-	-	9-1-7-4-6-	-	-4-3-4-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70
56-43	6361	-106.3927	-2-15-	0-200848-05	/16/76-13-	18-	-	-	-	-	12-1-7-4-6-	-	-4-3-4-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50
56-43	6188	-106.3944	-2-15-	0-200849-05</																															





## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA													U CONCENTRATION																
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (αd/ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES	UNITS IN ppm
							DATE	HOUR																											
56-44.7505-106.9750-2-14-	0-201032-04/30/76-15-	13-15.0	-	-	-	6.8	550	11-1-6-4-8-3-2-1-	4-3-2-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
56-44.6433-106.9672-2-13-	0-201034-04/30/76-16-	14-17.0	-	-	-	6.3	500	2-1-6-4-6-2-2-1-	4-3-2-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-44.6527-106.8950-2-15-	0-201036-04/30/76-17-	16-	-	-	-	-	-	6-1-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70		
56-44.6788-106.9222-2-12-	0-201038-05/01/76-12-	14-12.0	-	-	-	6.8	950	16-1-6-4-6-2-2-1-	4-3-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70			
56-44.5400-106.9466-2-14-	0-201040-05/01/76-13-	20-12.0	-	-	-	6.5	550	3-1-6-3-6-3-2-1-	4-3-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80			
56-44.5783-106.9022-2-12-	0-201048-05/01/76-17-	14-10.0	-	-	-	6.5	100	14-1-6-4-6-3-4-1-	4-3-5-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50			
56-44.6166-106.8483-2-12-	0-201049-05/01/76-18-	14-10.0	-	-	-	6.8	650	12-1-6-4-6-2-2-1-	4-3-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80			
56-44.6147-106.8472-2-12-	0-201050-05/01/76-18-	14-10.0	-	-	-	6.8	700	12-1-6-4-6-2-2-1-	4-3-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30			
56-43.6400-106.6050-2-97-	0-201051-05/08/76-11-	20-	-	-	-	-	-	9-1-1-5-7-1-3-3-	4-3-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50			
56-43.5914-106.7033-2-97-	0-201053-05/08/76-15-	26-	-	-	-	-	-	14-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
56-43.5925-106.7005-2-97-	0-201054-05/08/76-15-	26-	-	-	-	-	-	16-1-7-5-6-2-2-3-1-	4-2-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-43.5777-106.7122-2-97-	0-201055-05/08/76-16-	26-	-	-	-	-	-	9-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-43.5472-106.6783-2-97-	0-201057-05/08/76-18-	23-	-	-	-	-	-	14-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50		
56-43.6472-106.5363-2-15-	0-201060-05/10/76-13-	25-	-	-	-	-	-	9-1-1-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
56-43.6486-106.5544-2-15-	0-201061-05/10/76-13-	25-	-	-	-	-	-	12-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-43.6466-106.6044-2-14-	0-201062-05/10/76-14-	24-18.5	-	-	-	6.5	11250	11-1-1-5-1-	3-1-3-4-3-2-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.00			
56-43.6281-106.6141-2-97-	0-201063-05/10/76-17-	18-	-	-	-	-	-	21-1-1-5-7-1-2-2-3-4-4-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
56-43.7094-106.3544-2-15-	0-201065-05/11/76-14-	17-	-	-	-	-	-	19-1-1-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
56-43.7322-106.3122-2-14-	0-201066-05/11/76-17-	18-15.0	-	-	-	6.4	75000	14-1-1-5-7-2-3-1-2-4-3-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80			
56-43.6872-106.2750-2-15-	0-201068-05/11/76-19-	11-	-	-	-	-	-	11-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.20		
56-43.6880-106.2833-2-15-	0-201069-05/11/76-19-	11-	-	-	-	-	-	9-1-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80		
56-43.6527-106.2900-2-14-	0-201071-05/12/76-12-	14-15.0	-	-	-	6.4	3850	14-1-4-5-1-	3-1-3-4-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40			
56-43.6650-106.3055-2-15-	0-201072-05/12/76-15-	21-	-	-	-	-	-	14-1-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-43.6600-106.3038-2-15-	0-201073-05/12/76-16-	11-	-	-	-	-	-	9-1-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-43.6772-106.3250-2-97-	0-201075-05/12/76-17-	18-	-	-	-	-	-	19-1-1-5-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
56-43.6644-106.3361-2-15-	0-201076-05/12/76-18-	18-	-	-	-	-	-	12-1-1-5-1-1-2-1-2-4-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30		
56-43.6603-106.3350-2-15-	0-201077-05/12/76-18-	17-	-	-	-	-	-	9-1-1-5-1-1-1-	2-4-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
56-43.7475-106.2583-2-15-	0-201078-05/13/76-11-	19-	-	-	-	-	-	16-1-1-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.50		
56-43.6486-106.3252-2-97-	0-201079-05/13/76-12-	25-	-	-	-	-	-	12-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
56-43.6522-106.3127-2-14-	0-201080-05/13/76-12-	25-23.5	-	-	-	6.5	3600	12-1-1-5-7-	2-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.90		
56-43.8108-106.4277-2-97-	0-201083-05/13/76-18-	23-	-	-	-	-	-	11-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80		
56-43.8055-106.4738-2-14-	0-201084-05/14/76-11-	24-17.5	-	-	-	6.5	210	11-1-6-5-7-1-3-1-3-4-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70			
56-43.7494-106.4488-2-97-	0-201085-05/13/76-18-	21-	-	-	-	-	-	11-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-43.8458-106.3966-2-14-	0-201086-05/14/76-12-	25-21.5	-	-	-	6.5	220	10-1-1-5-7-	2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60			
56-43.8722-106.4294-2-15-	0-201087-05/14/76-14-	28-	-	-	-	-	-	13-1-1-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-43.8613-106.6644-2-11-	0-201088-05/14/76-15-	24-12.0	-	-	-	6.7	1500	15-1-1-5-8-2-3-1-3-4-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.80			
56-43.8611-106.6622-2-14-	0-201089-05/14/76-16-	23-21.5	-	-	-	6.6	1550	11-1-1-5-8-2-3-1-3-4-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80			
56-43.8494-106.7100-2-15-	0-201092-05/17/76-11-	24-	-	-	-	-	-	12-1-1-6-7-3-4-3-3-4-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-43.8877-106.6606-2-15-	0-201094-05/18/76-11-	26-	-	-	-	-	-	12-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-43.8472-106.6844-2-14-	0-201098-05/18/76-18-	23-20.0	-	-	-	7.5	1625	15-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-43.8725-106.6927-2-15-	0-201099-05/18/76-18-	25-	-	-	-	-	-	6-1-1-5-7-3-3-1-1-4-3-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
56-43.8222-106.6450-2-14-	0-201100-05/19/76-10-	18-17.0	-	-	-	6.3	700	11-1-7-5-7-1-3-3-	4-3-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70			
56-43.8461-106.6010-2-14-	0-201101-05/19/76-11-	19-17.0	-	-	-	8.5	165	8-1-7-5-8-1-3-3-	4-3-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90			
56-43.8444-106.5850-2-15-	0-201102-05/19/76-11-	20-	-	-	-	-	-	11-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60		
56-43.8264-106.5377-2-15-	0-201103-05/19/76-12-	23-	-	-	-	-	-	13-1-3-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
56-43.8101-106.5122-2-97-	0-201105-05/19/76-15-	24-	-	-	-	-	-	17-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60		
56-43.8472-106.5201-2-97-	0-201107-05/19/76-15-	23-	-	-	-	-	-	11-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
56-43.8405-106.5600-2-15-	0-201108-05/19/76-15-	25-	-	-	-	-	-	13-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
56-43.8921-106.5750-2-15-	0-20110																																		



LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																	U CONCENTRATION												
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (cU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES	UNITS IN ppm
							DATE	HOUR																											
36-43	6169-106.6438	-2-15-	n-201192	-05/27/76	-15-	18-	-	C-	-	-	-	-	-	-	13-1-7-4-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.50		
36-43	5150-106.7086	-2-12-	n-201194	-05/27/76	-18-	20-	21.5	-	-	-	-	-	6.9	31500	12-1-7-4-7-3-3-1-2-4-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90		
36-43	5361-106.6800	-2-14-	n-201195	-05/27/76	-19-	17-	14.0	-	-	-	-	-	6.6	24500	9-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
36-43	6766-106.6283	-2-14-	n-201197	-05/28/76	-8-	12-	12.5	-	-	-	-	-	6.5	37500	9-1-7-5-6-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60		
36-43	6916-106.5994	-2-14-	n-201198	-05/28/76	-9-	19-	11.5	C	-	-	-	-	6.5	38000	11-1-6-5-6-1-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70			
36-43	6961-106.6227	-2-97-	n-201199	-05/28/76	-9-	17-	-	C	-	-	-	-	-	-	14-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30			
36-43	6344-106.6019	-2-12-	n-201200	-05/28/76	-11-	19-	19.0	-	-	-	-	-	6.8	33000	11-1-7-4-6-2-3-1-2-4-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20			
36-44	4333-106.7033	-2-99-	n-201202	-05/31/76	-14-	18-	-	C	-	-	-	-	-	-	3-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20			
36-44	2077-106.3436	-2-14-	n-201211	-05/31/76	-12-	26-	22.0	-	-	-	-	-	6.3	250	6-1-6-5-6-1-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30			
36-44	2011-106.3711	-2-15-	n-201212	-05/31/76	-13-	26-	-	-	-	-	-	-	-	-	15-1-7-4-7-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30			
36-44	2000-106.3716	-2-15-	n-201213	-05/31/76	-13-	27-	-	-	-	-	-	-	-	-	16-1-7-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50			
36-44	1869-106.3036	-2-97-	n-201214	-05/31/76	-13-	27-	-	-	-	-	-	-	-	-	12-1-7-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.40			
36-44	1894-106.3019	-2-15-	n-201215	-05/31/76	-13-	27-	-	-	-	-	-	-	-	-	12-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.90			
36-44	1797-106.2911	-2-15-	n-201216	-05/31/76	-13-	26-	-	-	-	-	-	-	-	-	10-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70			
36-44	1750-106.2755	-2-14-	n-201217	-05/31/76	-13-	29-	23.0	C	-	-	-	-	6.8	900	7-1-6-5-7-1-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70			
36-44	1688-106.2727	-2-15-	n-201218	-05/31/76	-14-	30-	-	-	-	-	-	-	-	-	9-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60			
36-44	2005-106.2938	-2-14-	n-201219	-05/31/76	-14-	24-	20.0	C	-	-	-	-	6.2	600	12-1-6-5-6-1-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30			
36-44	2461-106.3072	-2-97-	n-201220	-05/31/76	-15-	28-	-	-	-	-	-	-	-	-	15-1-8-5-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
36-44	2805-106.2902	-2-15-	n-201221	-05/31/76	-15-	30-	-	-	-	-	-	-	-	-	13-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70			
36-44	2750-106.3194	-2-14-	n-201222	-05/31/76	-15-	30-	25.1	-	-	-	-	-	6.3	2000	10-1-6-5-6-1-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00			
36-44	3472-106.2583	-2-15-	n-201223	-05/31/76	-16-	27-	-	-	-	-	-	-	-	-	13-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80			
36-44	3866-106.4566	-2-15-	n-201226	-06/01/76	-12-	23-	-	-	-	-	-	-	-	-	15-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10			
36-44	4252-106.4591	-2-97-	n-201228	-06/01/76	-13-	24-	-	C	-	-	-	-	-	-	10-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70			
36-44	4447-106.4744	-2-97-	n-201229	-06/01/76	-14-	24-	-	-	-	-	-	-	-	-	10-1-6-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20			
36-44	4161-106.4186	-2-14-	n-201230	-06/01/76	-15-	25-	19.0	-	-	-	-	-	6.3	2100	13-1-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
36-44	4038-106.4075	-2-97-	n-201231	-06/01/76	-15-	25-	-	-	-	-	-	-	-	-	9-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
36-44	4150-106.3994	-2-14-	n-201232	-06/01/76	-15-	24-	19.0	C	-	-	-	-	6.3	860	9-1-6-5-6-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40			
36-44	4269-106.3755	-2-14-	n-201233	-06/01/76	-15-	25-	20.0	-	-	-	-	-	6.3	2300	15-1-6-5-6-2-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10			
36-44	0972-105.2563	-2-97-	n-201235	-07/23/76	-11-	26-	-	-	-	-	-	-	-	-	3-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20			
36-44	1097-105.3369	-2-15-	n-201237	-07/23/76	-12-	30-	-	-	-	-	-	-	-	-	9-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20			
36-44	1205-105.3258	-2-15-	n-201238	-07/23/76	-12-	22-	-	-	-	-	-	-	-	-	3-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10			
36-44	1291-105.4241	-2-15-	n-201244	-07/23/76	-14-	28-	-	-	-	-	-	-	-	-	15-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10			
36-44	1644-105.4455	-2-15-	n-201246	-07/23/76	-14-	29-	-	-	-	-	-	-	-	-	4-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90			
36-44	2327-105.3805	-2-15-	n-201249	-07/23/76	-15-	27-	-	-	-	-	-	-	-	-	9-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60			
36-44	2300-105.4547	-2-15-	n-201314	-07/23/76	-15-	32-	-	-	-	-	-	-	-	-	1-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70			
36-44	0994-105.0691	-2-97-	n-201317	-07/24/76	-15-	29-	-	-	-	-	-	-	-	-	1-1-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
36-44	0755-105.0555	-2-97-	n-201320	-07/24/76	-15-	29-	-	-	-	-	-	-	-	-	1-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60			
36-44	0936-105.1488	-2-15-	n-201322	-07/24/76	-17-	24-	-	-	-	-	-	-	-	-	1-1-6-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80			
36-44	4711-105.8977	-2-15-	n-201328	-10/28/76	-11-	19-	-	-	-	-	-	-	-	-	11-1-7-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30			
36-44	4485-105.8661	-2-15-	n-201330	-10/28/76	-11-	19-	-	-	-	-	-	-	-	-	16-1-7-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00			
36-44	4547-105.8543	-2-15-	n-201331	-10/28/76	-11-	19-	-	-	-	-	-	-	-	-	14-1-7-5-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.40			
36-44	4666-105.7766	-2-15-	n-201334	-10/28/76	-12-	20-	-	-	-	-	-	-	-	-	12-1-7-5-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90			
36-44	4416-105.7569	-2-15-	n-201336	-10/28/76	-12-	20-	-	-	-	-	-	-	-	-	16-1-7-5-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50			
36-44	4225-105.8802	-2-15-	n-201337	-10/28/76	-12-	20-	-	-	-	-	-	-	-	-	11-1-7-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90			
36-44	4061-105.8286	-2-15-	n-201339	-10/28/76	-13-	21-	-	-	-	-	-	-	-	-	9-1-7-5-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70			
36-44	6658-105.0861	-2-15-	n-201340	-07/24/76	-11-	35-	-	-	-	-	-	-	-	-	6-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80			
36-44	6500-105.1055	-2-15-	n-201342	-07/24/76	-12-	35-	-	-	-	-	-	-	-	-	14-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50			
36-44	5241-105.1702	-2-15-	n-201347	-07/24/76	-14-	36-	-	-	-	-	-	-	-	-	11-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30			
36-44	5497-105.2013	-2-15-	n-201355	-07/24/76	-17-	35-	-	-	-	-	-	-	-	-	10-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
36-44	1463-105.1361	-2-14-	n-201366	-07/24/76	-14-	38-	25.0	-	-	-	-	-	6.3	230	12-1-6-5-6-2-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50			
36-44	1430-105.1255	-2-15-	n-201367	-07/24/76	-14-	38-	-	-	-	-	-	-	-	-	7-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40			

LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA															U CONCENTRATION														
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (±u ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES	UNITS IN ppm
							DATE	HOUR																											
56-44.1330-105.1616-2-15-	0-201368-07/24/76-14-	37-	-	-	-	-	-	-	-	-	-	-	-	-	12-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-44.1527-105.1847-2-97-	0-201369-07/24/76-14-	36-	-	-	-	-	-	-	-	-	-	-	-	-	7-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-44.1722-105.1311-2-97-	0-201370-07/24/76-15-	35-	-	-	-	-	-	-	-	-	-	-	-	-	10-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
56-44.0761-105.1369-2-15-	0-201372-07/26/76-12-	31-	-	-	-	-	-	-	-	-	-	-	-	-	10-1-6-4-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-44.0272-105.1547-2-15-	0-201374-07/26/76-13-	30-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
56-44.0650-105.1627-2-14-	0-201375-07/26/76-13-	32-25.0	-	-	-	-	-	-	-	-	-	6.8	4300	-	10-1-6-5-6-2-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30		
56-44.0505-105.1730-2-15-	0-201376-07/26/76-13-	32-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-44.0461-105.0700-2-15-	0-201377-07/26/76-14-	29-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
56-44.0166-105.0596-2-15-	0-201378-07/26/76-15-	28-	-	-	-	-	-	-	-	-	-	-	-	-	12-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90		
56-44.0377-105.0572-2-15-	0-201379-07/26/76-15-	28-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
56-44.1171-105.0044-2-97-	0-201383-07/26/76-16-	27-	-	-	-	-	-	-	-	-	-	-	-	-	7-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60		
56-43.6652-107.0000-2-14-	0-201451-07/24/76-10-	27-20.0	-	-	-	-	-	-	-	-	-	7.4	400	-	8-1-7-5-6-2-2-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10		
56-43.6522-107.0355-2-13-	0-201452-07/24/76-10-	27-19.0	-	-	-	-	-	-	-	-	-	7.2	200	-	16-1-7-4-7-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
56-43.6444-107.0530-2-11-	0-201454-07/24/76-10-	28-10.0	-	-	-	-	-	-	-	-	-	7.4	250	-	16-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-43.6594-107.0544-2-11-	0-201455-07/24/76-11-	28-11.0	-	-	-	-	-	-	-	-	-	6.8	250	-	9-1-7- -6-2-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-43.6638-107.0680-2-12-	0-201456-07/24/76-11-	28-15.0	-	-	-	-	-	-	-	-	-	7.2	250	-	11-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
56-43.6447-107.0588-2-12-	0-201457-07/24/76-11-	28-11.0	-	-	-	-	-	-	-	-	-	6.8	300	-	11-1-7-4-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80		
56-43.6877-107.1211-2-11-	0-201458-07/24/76-12-	28-15.0	-	-	-	-	-	-	-	-	-	6.8	200	-	12-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40		
56-43.6661-107.1094-2-11-	0-201459-07/24/76-12-	28-15.0	-	-	-	-	-	-	-	-	-	7.2	300	-	22-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
56-43.6766-107.0827-2-11-	0-201460-07/24/76-12-	28-19.0	-	-	-	-	-	-	-	-	-	7.2	150	-	4-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30		
56-43.6544-107.0672-2-11-	0-201461-07/24/76-12-	29-19.0	-	-	-	-	-	-	-	-	-	6.8	300	-	6-1-7-5-6-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-43.6288-107.0588-2-11-	0-201462-07/24/76-10-	30-10.0	-	-	-	-	-	-	-	-	-	6.8	200	-	11- - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-43.6100-107.0666-2-11-	0-201464-07/24/76-14-	31-11.0	-	-	-	-	-	-	-	-	-	6.8	450	-	12-1-7- - -3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-43.6227-107.0794-2-11-	0-201465-07/24/76-14-	31-9.0	-	-	-	-	-	-	-	-	-	7.2	200	-	12-1-7- - -3-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-43.6227-107.0622-2-11-	0-201466-07/24/76-15-	31-10.0	-	-	-	-	-	-	-	-	-	6.8	200	-	11-1-7-5-2-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10		
56-43.6383-107.0850-2-11-	0-201467-07/24/76-16-	32-18.0	-	-	-	-	-	-	-	-	-	7.6	150	-	16-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-43.6352-107.1150-2-11-	0-201468-07/24/76-14-	32-15.0	-	-	-	-	-	-	-	-	-	7.2	200	-	12-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-43.6722-107.0200-2-14-	0-201469-07/24/76-18-	32-13.0	-	-	-	-	-	-	-	-	-	6.8	350	-	8-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
56-43.6788-107.0338-2-11-	0-201470-07/24/76-18-	32-11.0	-	-	-	-	-	-	-	-	-	6.8	300	-	8-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-43.7055-106.7777-2-14-	0-201471-07/25/76-10-	28-25.0	-	-	-	-	-	-	-	-	-	7.8	2600	-	11-1-7-5-6-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.20		
56-43.7000-106.7763-2-11-	0-201472-07/25/76-10-	28-18.0	-	-	-	-	-	-	-	-	-	6.8	4600	-	8-1-7-5-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.90		
56-43.7388-106.7791-2-14-	0-201473-07/25/76-10-	28-24.0	-	-	-	-	-	-	-	-	-	7.4	2500	-	8-1-7-5-6-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.30		
56-43.6861-106.7638-2-97-	0-201474-07/25/76-11-	29-	-	-	-	-	-	-	-	-	-	-	-	-	14-1-7-5-6- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40		
56-43.6888-106.7791-2-14-	0-201475-07/25/76-11-	29-25.0	-	-	-	-	-	-	-	-	-	6.8	1100	-	12-1-7-5-6-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
56-43.6958-106.7916-2-11-	0-201476-07/25/76-11-	29-19.0	-	-	-	-	-	-	-	-	-	6.8	500	-	9-1-7- - -3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70		
56-43.6458-106.7861-2-14-	0-201477-07/25/76-12-	30-25.0	-	-	-	-	-	-	-	-	-	8.2	2000	-	6-1-7-5-6-2-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
56-43.6055-106.8722-2-15-	0-201478-07/25/76-13-	32-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-7- - - - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-43.5958-106.8527-2-11-	0-201479-07/25/76-13-	32-25.0	-	-	-	-	-	-	-	-	-	7.4	850	-	9-1-7-6-8-2-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70		
56-43.5875-106.8416-2-11-	0-201480-07/25/76-13-	32-28.0	-	-	-	-	-	-	-	-	-	7.6	800	-	14-1-7-6-8-2-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60		
56-43.5708-106.8375-2-14-	0-201481-07/25/76-14-	33-30.0	-	-	-	-	-	-	-	-	-	7.8	600	-	16-1-7-5-6-2-2-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60		
56-43.5541-106.8041-2-11-	0-201482-07/25/76-14-	33-25.0	-	-	-	-	-	-	-	-	-	7.2	600	-	6-1-7-4-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70		
56-43.5527-106.7930-2-11-	0-201483-07/25/76-14-	33-23.0	-	-	-	-	-	-	-	-	-	7.4	550	-	6-1-7-4-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70		
56-43.5472-106.8041-2-11-	0-201484-07/25/76-14-	35-22.0	-	-	-	-	-	-	-	-	-	7.2	500	-	6-1-7-4-4-2-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.80		
56-43.5888-106.8888-2-15-	0-201485-07/25/76-15-	35-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-4-4-4- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.80		
56-43.5722-106.8944-2-15-	0-201487-07/25/76-16-	37-	-	-	-	-	-	-	-	-	-	-	-	-	6-1-4-5-4- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
56-43.5611-106.8708-2-15-	0-201488-07/25/76-16-	37-	-	-	-	-	-	-	-	-	-	-	-	-	6-1-4-4-6- - -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40		
56-43.6208-106.9222-2-11-	0-201489-07/25/76-16-	35-19.0	-	-	-	-	-	-	-	-	-	6.8	300	-	6-1-4-4-6-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60		
56-43.7133-107.0111-2-97-	0-201491-07/28/76-10-	30-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-7-4-6- - -	-	-	-																	

## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER					LASL SAMPLE NUMBER AND FIELD DATA																			U CONCENTRATION											
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES	UNITS IN ppm
							DATE	HOUR																											
56-43	7016	-107.0050	-2-11-	n-201495	-07/08/74	-10-	30	12.0	-	-	7.2	500	8-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
56-43	7200	-107.0411	-2-11-	n-201496	-07/08/74	-11-	32	10.0	-	-	7.2	450	9-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80		
56-43	7411	-107.0027	-2-97-	n-201497	-07/08/74	-11-	32	-	-	-	-	-	8-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10		
56-43	7583	-106.9261	-2-12-	n-201498	-07/08/74	-12-	32	18.0	-	-	7.8	350	9-1-4-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
56-43	7883	-106.8166	-2-15-	n-201501	-06/08/74	-17-	35-	-	-	-	-	-	12-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30		
56-43	7555	-106.8305	-2-15-	n-201502	-07/08/74	-17-	35-	-	-	-	-	-	12-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10		
56-43	8680	-106.8156	-2-14-	n-201504	-07/08/74	-20-	28	26.0	-	-	6.9	6000	11-1-4-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20			
56-43	8597	-106.8458	-2-11-	n-201505	-07/08/74	-18-	28	18.0	-	-	6.6	7000	9-1-7-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50			
56-43	8883	-106.7183	-2-15-	n-201506	-07/09/74	-17-	36-	-	-	-	-	-	9-1-7-4-7-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.40		
56-43	8961	-106.7172	-2-12-	n-201507	-07/09/74	-17-	36	15.0	-	-	6.9	750	8-1-7-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10			
56-43	8944	-106.7825	-2-12-	n-201508	-07/09/74	-17-	36	14.0	-	-	6.8	700	11-1-7-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-43	8708	-106.7847	-2-14-	n-201509	-07/09/74	-17-	36	23.0	-	-	7.2	1400	11-1-7-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
56-43	8625	-106.7341	-2-12-	n-201510	-07/09/74	-18-	36	19.0	-	-	7.4	800	9-1-7-4-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-43	8944	-106.7341	-2-14-	n-201511	-07/09/74	-18-	36	19.0	-	-	6.8	1800	9-1-7-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
56-43	8284	-106.7133	-2-14-	n-201512	-07/09/74	-18-	36	20.0	-	-	6.8	1200	11-1-7-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30		
56-43	8930	-106.8301	-2-11-	n-201513	-07/09/74	-20-	27	16.0	-	-	8.5	700	8-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30			
56-43	8125	-106.8444	-2-11-	n-201514	-07/09/74	-20-	27	19.0	-	-	8.2	500	11-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10			
56-43	8055	-106.8055	-2-11-	n-201515	-07/09/74	-20-	27	18.0	-	-	8.2	550	9-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10			
56-43	8261	-106.6333	-2-97-	n-201516	-07/09/74	-21-	25-	-	-	-	-	-	6-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-43	8255	-106.6361	-2-15-	n-201517	-07/09/74	-21-	25-	-	-	-	-	-	11-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-43	8222	-106.7238	-2-15-	n-201518	-07/09/74	-21-	25-	-	-	-	-	-	8-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-43	8211	-106.7288	-2-97-	n-201519	-07/09/74	-21-	25-	-	-	-	-	-	11-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-43	8527	-106.7177	-2-14-	n-201520	-07/09/74	-21-	25	21.0	-	-	8.2	1900	11-1-7-6-8-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-43	5305	-106.8525	-2-12-	n-201522	-07/10/74	-7-	18	15.0	-	-	6.8	1100	3-1-4-5-4-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-43	5319	-106.8066	-2-12-	n-201523	-07/10/74	-7-	18	15.0	-	-	6.8	1100	3-1-4-5-4-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-43	5250	-106.8222	-2-97-	n-201524	-07/10/74	-7-	19-	-	-	-	-	-	6-1-4-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90		
56-43	5111	-106.8250	-2-15-	n-201525	-07/10/74	-7-	18-	-	-	-	-	-	12-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80		
56-43	5316	-107.0141	-2-15-	n-201528	-07/10/74	-9-	27-	-	-	-	-	-	14-1-4-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-43	5255	-107.0311	-2-11-	n-201529	-07/10/74	-9-	27	13.0	-	-	7.2	270	16-1-4-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00			
56-43	5633	-107.0125	-2-97-	n-201530	-07/10/74	-9-	27-	-	-	-	-	-	12-1-4-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-43	5583	-107.0377	-2-11-	n-201531	-07/10/74	-9-	27	12.0	-	-	6.9	250	14-1-4-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50			
56-43	5430	-107.0613	-2-11-	n-201532	-07/10/74	-10-	28	8.0	-	-	6.5	260	11-1-4-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00			
56-43	5305	-107.0727	-2-11-	n-201533	-07/10/74	-10-	28	6.0	-	-	6.3	240	6-1-4-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50			
56-43	5294	-107.0761	-2-12-	n-201534	-07/10/74	-10-	28	15.0	-	-	6.6	300	6-1-4-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80			
56-43	5561	-107.0888	-2-11-	n-201535	-07/10/74	-11-	31	13.0	-	-	6.8	350	12-1-4-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60			
56-43	5400	-107.1100	-2-12-	n-201536	-07/10/74	-11-	31	14.0	-	-	7.4	310	12-1-4-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30			
56-43	5702	-107.0894	-2-11-	n-201537	-07/10/74	-11-	31	11.0	-	-	6.3	300	11-1-4-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40			
56-43	5716	-107.1150	-2-11-	n-201538	-07/10/74	-11-	31	9.0	-	-	6.8	165	9-1-4-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30			
56-43	5950	-107.1044	-2-11-	n-201539	-07/10/74	-12-	32	14.0	-	-	7.2	260	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00			
56-43	7633	-107.1113	-2-11-	n-201540	-07/10/74	-13-	35	17.0	-	-	6.8	150	16-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80			
56-43	7844	-107.0527	-2-11-	n-201541	-07/10/74	-13-	35	15.0	-	-	6.9	200	14-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70			
56-43	7811	-107.1183	-2-11-	n-201542	-07/10/74	-14-	35	19.0	-	-	6.5	210	16-1-7-6-8-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
56-43	7938	-107.1033	-2-11-	n-201543	-07/10/74	-14-	35	12.0	-	-	5.8	50	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40			
56-43	8044	-107.1113	-2-11-	n-201544	-07/10/74	-14-	35	10.0	-	-	5.7	50	12-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90			
56-43	8238	-107.0888	-2-11-	n-201545	-07/10/74	-14-	36	12.0	-	-	5.8	40	6-1-7-5-4-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.50			
56-43	8133	-107.0888	-2-12-	n-201546	-07/10/74	-14-	36	13.0	-	-	6.3	110	3-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10			
56-43	8583	-107.0761	-2-11-	n-201547	-07/10/74	-15-	35	8.0	-	-	5.2	40	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00			
56-43	8402	-107.0738	-2-11-	n-201548	-07/10/74	-15-	35	9.0	-	-	5.5	50	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70			
56-43	8744	-107.1083	-2-																																

## LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER					LASL SAMPLE NUMBER AND FIELD DATA															U CONCENTRATION															
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE ( $\mu$ mhos/cm)	SCINTILLOMETER (dU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES	UNITS IN ppm
							DATE	HOUR																											
56-43	4003	-107.0283	-2-12-	n-201552	-07/10/74	-16-	36	-12.00	-	-	-	6.5	270	-	12-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-43	8138	-106.8361	-2-11-	n-201554	-07/10/74	-17-	37	-18.00	-	-	-	7.2	2400	-	8-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.80		
56-43	8277	-106.8250	-2-11-	n-201557	-07/10/74	-17-	37	-26.00	-	-	-	6.9	2600	-	12-1-7-5-4-3-3-1-	-4-3-3-1-	-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.80		
56-44	2416	-106.9633	-2-12-	n-201558	-07/13/74	-10-	24	-15.00	-	-	-	5.2	70	-	12-1-7-5-8-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70		
56-44	2427	-106.9538	-2-15-	n-201559	-07/13/74	-10-	24	-	-	-	-	-	-	-	12-1-7-5-6-	-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.80		
56-44	1894	-106.9100	-2-12-	n-201560	-07/13/74	-10-	24	-12.00	-	-	-	5.5	100	-	6-1-7-5-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90		
56-44	1855	-107.0119	-2-12-	n-201561	-07/13/74	-11-	25	-12.00	-	-	-	5.5	25	-	3-1-7-4-6-3-3-1-	-4-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40		
56-44	1711	-107.0119	-2-11-	n-201562	-07/13/74	-11-	25	-15.00	-	-	-	5.5	55	-	4-1-7-4-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
56-44	1600	-107.0227	-2-12-	n-201563	-07/13/74	-11-	25	-16.00	-	-	-	5.5	30	-	6-1-7-5-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
56-44	1452	-107.0644	-2-11-	n-201564	-07/13/74	-12-	26	-13.00	-	-	-	5.2	50	-	4-1-7-4-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10		
56-44	1322	-107.1205	-2-12-	n-201565	-07/13/74	-12-	26	-17.00	-	-	-	5.7	60	-	6-1-7-4-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-44	1061	-107.1100	-2-12-	n-201566	-07/13/74	-12-	26	-15.00	-	-	-	5.9	50	-	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-44	0977	-107.0938	-2-12-	n-201567	-07/13/74	-13-	26	-17.00	-	-	-	5.7	40	-	9-1-7-4-8-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90		
56-44	0677	-107.1072	-2-12-	n-201568	-07/13/74	-13-	26	-18.00	-	-	-	5.7	50	-	16-1-7-4-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-44	0311	-107.1052	-2-11-	n-201569	-07/13/74	-14-	29	-20.00	-	-	-	5.9	90	-	9-1-7-	-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30		
56-44	0172	-107.0938	-2-11-	n-201570	-07/13/74	-14-	29	-11.00	-	-	-	5.9	50	-	11-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-44	0255	-107.0222	-2-12-	n-201571	-07/13/74	-15-	29	-18.00	-	-	-	5.7	60	-	12-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
56-44	0133	-106.9936	-2-12-	n-201572	-07/13/74	-15-	29	-19.00	-	-	-	5.9	70	-	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80		
56-44	0111	-106.9705	-2-11-	n-201573	-07/13/74	-16-	23	-13.00	-	-	-	5.7	60	-	6-1-7-	-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
56-44	0144	-106.9483	-2-11-	n-201574	-07/13/74	-16-	23	-20.00	-	-	-	6.3	90	-	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60		
56-44	0177	-106.9244	-2-11-	n-201575	-07/13/74	-17-	23	-13.00	-	-	-	5.9	60	-	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
56-44	0272	-106.8955	-2-11-	n-201576	-07/13/74	-17-	23	-14.00	-	-	-	5.9	80	-	11-1-7-5-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
56-44	0238	-106.8683	-2-11-	n-201577	-07/13/74	-17-	23	-12.00	-	-	-	5.7	70	-	8-1-7-5-6-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
56-44	0277	-106.8622	-2-11-	n-201578	-07/13/74	-17-	23	-14.00	-	-	-	5.9	90	-	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90		
56-44	0438	-106.8052	-2-11-	n-201579	-07/13/74	-17-	23	-12.00	-	-	-	5.9	60	-	11-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
56-44	0305	-106.9261	-2-12-	n-201580	-07/13/74	-18-	23	-17.00	-	-	-	5.7	50	-	9-1-7-4-8-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
56-44	0313	-106.9255	-2-12-	n-201581	-07/13/74	-18-	23	-15.00	-	-	-	5.9	60	-	6-1-7-4-8-3-3-1-	-4-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70		
56-44	0644	-106.8961	-2-15-	n-201582	-07/13/74	-18-	23	-	-	-	-	-	-	-	9-1-7-4-6-	-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
56-44	0694	-106.9005	-2-12-	n-201583	-07/13/74	-18-	23	-16.00	-	-	-	5.7	70	-	6-1-7-4-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40		
56-44	0827	-106.8819	-2-11-	n-201584	-07/13/74	-18-	23	-14.00	-	-	-	5.9	50	-	9-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
56-44	0827	-106.9055	-2-11-	n-201585	-07/13/74	-19-	22	-13.00	-	-	-	5.7	90	-	9-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
56-44	0933	-106.8727	-2-15-	n-201586	-07/13/74	-19-	22	-	-	-	-	-	-	-	9-1-7-4-6-	-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
56-44	0927	-106.8716	-2-11-	n-201587	-07/13/74	-19-	22	-15.00	-	-	-	5.9	50	-	3-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-44	1094	-106.8511	-2-11-	n-201588	-07/13/74	-19-	22	-13.00	-	-	-	5.9	80	-	6-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-44	0177	-107.0527	-2-12-	n-201589	-07/14/74	-8-	15	-10.00	-	-	-	5.5	30	-	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50		
56-44	0038	-107.0705	-2-14-	n-201590	-07/14/74	-8-	15	-12.00	-	-	-	6.3	150	-	11-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.80		
56-43	9872	-107.0366	-2-14-	n-201591	-07/14/74	-8-	15	-9.00	-	-	-	6.3	270	-	12-1-7-4-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40		
56-43	9785	-107.0394	-2-14-	n-201592	-07/14/74	-9-	20	-14.00	-	-	-	5.2	21	-	8-1-7-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
56-43	9805	-107.1194	-2-11-	n-201593	-07/14/74	-9-	20	-12.00	-	-	-	6.1	300	-	8-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
56-43	9783	-107.0338	-2-14-	n-201594	-07/14/74	-9-	20	-13.00	-	-	-	6.8	300	-	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30		
56-43	9616	-107.0344	-2-14-	n-201595	-07/14/74	-9-	20	-11.00	-	-	-	6.5	350	-	6-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
56-43	9511	-107.0572	-2-14-	n-201596	-07/14/74	-9-	20	-12.00	-	-	-	6.1	340	-	11-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-43	9555	-107.0327	-2-11-	n-201597	-07/14/74	-10-	20	-10.00	-	-	-	6.5	400	-	12-1-7-4-4-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80		
56-43	9577	-107.0472	-2-11-	n-201598	-07/14/74	-10-	20	-9.00	-	-	-	6.1	290	-	11-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-43	9283	-107.0911	-2-11-	n-201599	-07/14/74	-10-	20	-10.00	-	-	-	6.5	300	-	9-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-43	9238	-107.0388	-2-11-	n-201600	-07/14/74	-10-	20	-9.00	-	-	-	6.3	270	-	14-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
56-43	9127	-107.0515	-2-11-	n-201601	-07/14/74	-11-	25	-9.00	-	-	-	6.8	350	-	9-1-7-5-6-3-3-1-	-4-3-3-1-	-1-	-	-																

### LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																U CONCENTRATION												
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE ( $\mu$ mhos/cm)	SCINTILLOMETER ( $\mu$ D ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES
							DATE	HOUR																										UNITS IN ppm
56-43	8594	-106.9055	-2-11-	0-201606	-07/14/74	-12-	25-12.0	-	6.3-	350-	11-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
56-43	8472	-106.9694	-2-11-	0-201607	-07/14/74	-13-	26-12.0	-	6.3-	325-	6-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
56-43	8333	-106.9638	-2-11-	0-201608	-07/14/74	-13-	27-12.0	-	6.3-	350-	6-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
56-43	8150	-106.9611	-2-11-	0-201609	-07/14/74	-13-	27-14.0	-	6.8-	420-	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
56-43	7791	-106.9250	-2-15-	0-201610	-07/14/74	-14-	28-	-	-	-	9-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30		
56-43	7805	-106.9069	-2-11-	0-201611	-07/14/74	-14-	28-13.0	-	6.8-	400-	11-1-7-5-6-3-3-1-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
56-43	8206	-107.0875	-2-11-	0-201612	-07/14/74	-20-	20-12.0	-	6.9-	250-	9-1-7-5-6-3-3-1-	-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40		
56-44	9155	-105.0966	-2-15-	0-201613	-07/22/76	-10-	27-	-	-	-	7-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40		
56-44	9497	-105.0161	-2-97-	0-201614	-07/22/76	-10-	27-	-	-	-	7-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
56-44	9700	-105.0255	-2-15-	0-201615	-07/22/76	-10-	27-	-	-	-	7-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-44	9561	-105.0372	-2-15-	0-201616	-07/22/76	-11-	27-	-	-	-	6-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-44	9430	-105.0288	-2-15-	0-201617	-07/22/76	-11-	27-	-	-	-	9-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80		
56-44	9425	-105.0311	-2-15-	0-201618	-07/22/76	-11-	27-	-	-	-	12-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-44	9361	-105.0611	-2-15-	0-201623	-07/22/76	-12-	30-	-	-	-	4-1-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-44	9321	-105.1300	-2-15-	0-201635	-07/22/76	-13-	33-	-	-	-	6-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
56-44	2733	-105.2450	-2-15-	0-201642	-07/24/76	-10-	31-	-	-	-	13-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
56-44	2572	-105.2116	-2-14-	0-201643	-07/24/76	-10-	30-25.0	-	-	-	12-1-6-5-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-44	2100	-105.2138	-2-97-	0-201646	-07/24/76	-11-	33-	-	-	-	10-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-44	2627	-105.1716	-2-97-	0-201647	-07/24/76	-12-	34-	-	-	-	7-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-44	2338	-105.1883	-2-15-	0-201648	-07/24/76	-12-	36-	-	-	-	7-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-44	2316	-105.1569	-2-14-	0-201649	-07/24/76	-13-	35-22.0	-	6.3-	1250-	10-1-6-5-6-2-2-2-	-4-2-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30			
56-44	1627	-105.1722	-2-15-	0-201650	-07/24/76	-13-	37-	-	-	-	9-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80		
56-44	8683	-105.0222	-2-14-	0-201651	-07/22/76	-10-	27-22.0	-	6.6-	1900-	8-1-7-4-6-1-3-5-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00			
56-44	8558	-105.0391	-2-14-	0-201652	-07/22/76	-10-	27-21.0	-	7.0-	200-	9-1-7-5-6-1-3-5-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60			
56-44	8702	-105.0352	-2-14-	0-201653	-07/22/76	-10-	27-22.5	-	7.2-	600-	10-1-7-5-6-1-3-5-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60			
56-44	8563	-105.0066	-2-14-	0-201654	-07/22/76	-11-	27-22.0	-	7.1-	450-	10-1-7-5-6-1-3-5-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40			
56-44	8488	-105.0725	-2-14-	0-201655	-07/22/76	-11-	28-20.0	-	7.1-	700-	12-1-7-5-6-1-3-5-	-3-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20			
56-44	8233	-105.0713	-2-14-	0-201656	-07/22/76	-11-	28-21.0	-	7.4-	390-	6-1-7-5-6-1-3-5-	-3-2-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00			
56-44	8180	-105.0255	-2-14-	0-201657	-07/22/76	-12-	28-22.0	-	7.2-	550-	4-1-7-5-6-1-3-5-	-3-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10			
56-44	7605	-105.0072	-2-15-	0-201658	-07/22/76	-12-	28-	-	-	-	11-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-44	7625	-105.0458	-2-14-	0-201659	-07/22/76	-12-	30-19.0	-	7.0-	700-	4-1-7-4-6-1-3-3-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
56-44	7825	-105.0616	-2-14-	0-201660	-07/22/76	-13-	30-21.0	-	7.2-	350-	7-1-7-6-7-1-3-3-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60			
56-44	7841	-105.0863	-2-14-	0-201661	-07/22/76	-13-	30-20.0	-	7.8-	260-	9-1-7-6-8-1-3-3-	-4-4-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10			
56-44	8111	-105.0863	-2-14-	0-201662	-07/22/76	-13-	30-22.5	-	6.8-	600-	12-1-7-5-6-1-3-3-	-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
56-44	8213	-105.1041	-2-15-	0-201663	-07/22/76	-13-	30-	-	-	-	12-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.80		
56-44	8627	-105.1491	-2-15-	0-201664	-07/22/76	-14-	30-	-	-	-	8-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80		
56-44	7905	-105.2236	-2-15-	0-201669	-07/22/76	-16-	32-	-	-	-	11-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70		
56-44	7605	-105.1780	-2-15-	0-201671	-07/22/76	-17-	31-	-	-	-	9-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-44	8813	-105.2488	-2-15-	0-201676	-07/23/76	-11-	31-	-	-	-	11-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
56-44	8650	-105.2319	-2-15-	0-201677	-07/23/76	-11-	31-	-	-	-	8-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
56-44	7413	-105.2202	-2-15-	0-201679	-07/23/76	-11-	32-	-	-	-	12-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-44	7406	-105.1697	-2-15-	0-201682	-07/23/76	-12-	32-	-	-	-	16-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80		
56-44	8447	-105.1258	-2-15-	0-201684	-07/23/76	-13-	33-	-	-	-	9-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-44	8586	-105.1858	-2-99-	0-201685	-07/23/76	-13-	33-	-	-	-	3-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
56-44	8808	-105.1536	-2-15-	0-201687	-07/23/76	-14-	33-	-	-	-	14-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
56-44	6783	-105.1308	-2-15-	0-201688	-07/23/76	-14-	33-	-	-	-	11-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
56-44	8977	-105.0836	-2-15-	0-201690	-07/23/76	-15-	32-	-	-	-	6-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
56-44	7083	-105.0888	-2-99-	0-201692	-07/23/76	-16-	32-	-	-	-	6-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-44	7319	-105.1155	-2-97-	0-201693	-07/23/76	-16-	32-	-	-	-	6-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
56-44	8686	-105.0188	-2-15-	0-201694	-07/23/76	-17-	30-	-	-	-	10-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
56-44	7025	-105.0247	-2-15-	0-201695	-07/23/76	-17-	30-	-	-	-	9-1-7-4-6-	-	-	-																				



### LASL Uranium Hydrogeochemical and Stream Sediment Reconnaissance Data Listing

ERDA SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																U CONCENTRATION														
STATE	LATITUDE	LONGITUDE	ERDA LAB	SAMPLE TYPES	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SCINTILLOMETER (dU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES	UNITS IN ppm	
							DATE	HOUR																												
56-44	7297-107.0672	-2-12-	n-201839	-05/26/74	-15-	21-14.0						7.4	575		4-1-6-4-6-3-3-1-2-2-3-3-1-1-1																			5.60		
56-44	0963-106.7155	-2-15-	n-201841	-05/27/76	-9-	19									12-1-6-6-6-																			2.10		
56-44	0264-106.7555	-2-12-	n-201843	-05/27/75	-11-	23-12.0							6.5	265	11-1-6-5-6-3-4-2-2-4-3-3-1-1-1																			3.20		
56-44	0105-106.8194	-2-15-	n-201844	-05/27/74	-13-	21									8-1-7-4-6-																				1.90	
56-44	0113-106.8180	-2-15-	n-201845	-05/27/74	-13-	21									8-1-7-4-6-																				2.30	
56-44	0614-106.7344	-2-14-	n-201846	-05/27/74	-13-	26-23.0							6.4	1500	15-1-6-5-6-	-3-2-	-3-2-3-1-1-1																	3.50		
56-44	0588-106.8077	-2-15-	n-201847	-05/27/74	-15-	24									4-1-7-5-6-																				1.70	
56-44	0583-106.8080	-2-15-	n-201848	-05/27/74	-15-	24									4-1-7-5-6-																				2.80	
56-44	0777-106.7794	-2-15-	n-201849	-05/27/74	-16-	25									14-1-7-5-6-																				4.50	
56-44	0866-106.8025	-2-11-	n-201851	-05/27/74	-16-	22-18.0							6.8	460	7-1-4-6-8-2-3-1-1-1-2-4-1-1-1																			1.30		
56-44	0738-106.7555	-2-11-	n-201852	-05/27/74	-16-	24-14.0							6.4	340	6-1-7-4-6-3-3-1-1-1-3-3-1-1-1																			1.00		
56-44	0933-106.7736	-2-15-	n-201853	-05/27/74	-17-	22									14-1-7-4-6-																					4.20
56-44	0847-106.7098	-2-15-	n-201854	-05/27/74	-17-	21									2-1-6-4-6-																					2.50
56-44	1305-106.7338	-2-97-	n-201855	-05/27/74	-18-	21									15-1-6-5-6-																					2.70
56-44	2038-106.7522	-2-14-	n-201859	-05/28/74	-10-	23-19.0							6.5	1750	7-1-6-5-6-	-3-1-	-6-3-2-1-1-1																		3.00	
56-44	2330-106.7791	-2-15-	n-201861	-05/28/74	-10-	25									2-1-6-4-6-																					2.90
56-44	2327-106.7525	-2-12-	n-201862	-05/28/74	-10-	24-17.0							6.9	1300	0-1-6-4-6-2-3-1-2-4-3-3-1-1-1																				2.50	
56-44	1597-106.7075	-2-12-	n-201863	-05/28/74	-11-	27-20.0							7.2	33000	14-1-6-4-6-2-2-1-3-3-3-3-1-1-1																				3.60	
56-44	1783-106.7944	-2-11-	n-201864	-05/28/74	-12-	23-17.0							6.4	750	12-1-7-6-6-2-3-1-1-1-2-2-1-1-1																				3.30	
56-44	1691-106.8027	-2-12-	n-201865	-05/28/74	-12-	23-14.0							6.8	220	9-1-4-4-4-4-4-1-2-2-3-3-2-1-1																				1.90	
56-44	1425-106.9169	-2-12-	n-201866	-05/28/74	-13-	21-7.0							5.6	50	11-1-4-4-4-4-4-1-2-2-3-4-2-1-1																				1.80	
56-44	1569-106.9180	-2-11-	n-201867	-05/28/74	-15-	19-13.0							5.7	1800	3-1-6-4-6-2-3-1-2-2-3-4-2-1-1																				1.90	
56-44	1425-106.9169	-2-12-	n-201868	-05/28/74	-14-	21-14.0							5.4	43	4-1-8-6-8-3-4-1-2-2-3-3-2-1-1																				3.20	
56-44	1509-106.9597	-2-12-	n-201869	-05/28/74	-15-	22-14.0							5.7	550	11-2-7-5-8-4-4-1-2-1-4-5-1-1-1																				3.00	
56-44	1508-106.9586	-2-12-	n-201870	-05/28/74	-15-	22-14.0							5.7	30	11-2-7-5-8-4-4-1-2-1-4-5-1-1-1																				3.10	
56-44	1294-106.9388	-2-11-	n-201871	-05/28/74	-15-	21-8.0							5.7	600	3-3-7-4-6-2-3-1-2-4-3-4-2-1-1																				2.80	
56-44	1319-106.9000	-2-11-	n-201872	-05/28/74	-16-	20-9.0							5.5	700	4-3-7-	-2-3-1-2-2-3-3-2-1-1																				2.50
56-44	1263-106.9791	-2-12-	n-201873	-05/28/74	-15-	19-9.0							5.6	44	9-3-7-4-6-4-4-1-2-2-3-4-2-1-1																				2.70	
56-44	0980-106.9594	-2-12-	n-201874	-05/28/74	-15-	19-9.0							5.7	35	6-1-6-4-6-3-4-1-2-2-3-3-3-1-1																				1.70	
56-44	1180-106.9595	-2-12-	n-201875	-05/28/74	-16-	15-12.0							5.7	46	5-1-6-4-8-4-4-1-2-4-3-4-4-1-1																				2.80	
56-44	0916-106.9752	-2-12-	n-201876	-05/28/74	-16-	18-14.0							5.9	56	5-1-6-4-8-3-4-1-2-2-2-3-3-1-1																				3.00	
56-44	0750-106.9236	-2-12-	n-201877	-05/28/74	-16-	18-14.0							5.5	39	5-3-7-5-8-4-4-1-2-1-2-3-4-1-1																				10.30	
56-44	1703-106.9130	-2-12-	n-201878	-05/28/74	-16-	15-9.0							5.7	36	4-1-6-4-6-4-4-1-2-3-3-4-4-1-1																				2.00	
56-44	1797-106.9191	-2-12-	n-201879	-05/28/74	-17-	18-9.0							5.7	61	3-2-8-4-6-4-4-1-2-1-4-5-3-1-1																				1.50	
56-44	2000-106.9413	-2-12-	n-201880	-05/28/74	-18-	15-8.0							5.8	550	16-1-8-5-8-4-4-1-2-1-3-2-2-1-1																				2.80	
56-44	3675-106.7138	-2-12-	n-201881	-05/29/74	-12-	20-15.0							7.0	150	3-1-7-4-6-4-4-2-2-2-3-2-2-1-1																				2.50	
56-44	3861-106.7572	-2-12-	n-201882	-05/29/74	-13-	20-15.0							6.8	1100	15-1-7-6-6-4-4-1-2-2-3-2-2-1-1																				2.80	
56-44	3927-106.8177	-2-12-	n-201883	-05/29/74	-13-	20-14.0							6.7	310	3-1-7-6-6-3-4-2-2-2-3-2-3-1-1																				2.60	
56-44	4100-106.8100	-2-94-	n-201885	-05/29/74	-13-	19									6-1-7-4-6-																					1.90
56-44	4130-106.8655	-2-12-	n-201886	-05/29/74	-13-	18-15.0							6.4	350	20-1-7-4-6-3-4-2-2-2-3-2-4-1-1																				2.60	
56-44	4383-106.8522	-2-12-	n-201887	-05/29/74	-14-	18-15.0							7.7	1100	12-1-7-5-6-3-3-1-2-2-3-2-4-1-1																				2.50	
56-44	4275-106.7861	-2-12-	n-201889	-05/29/74	-15-	18-13.5							7.0	650	11-1-7-6-6-4-4-1-2-2-3-2-3-1-1																				2.10	
56-44	4250-106.7886	-2-12-	n-201890	-05/29/74	-15-	18-13.0							5.8	100	12-1-7-	-4-4-1-2-2-3-3-3-1-1																			2.50	
56-44	4836-106.8027	-2-12-	n-201891	-05/29/74	-15-	18-11.0							6.3	700	11-1-7-4-6-4-4-1-2-2-4-2-3-1-1																				2.10	
56-44	5233-106.7380	-2-12-	n-201893	-05/31/74	-11-	26-20.0							7.8	1300	13-1-7-5-6-2-2-1-1-4-3-2-2-1-1																				3.00	
56-44	5236-106.7102	-2-11-	n-201894	-05/31/74	-12-	26-18.0							6.9	1200	8-1-7-5-6-2-2-1-	-4-3-3-2-1-1																			3.60	
56-44	5277-106.6872	-2-99-	n-201895	-05/31/74	-12-	26									14-1-7-4-6-																					2.70
56-44	5219-106.6413	-2-12-	n-201896	-05/31/74	-13-	26-21.0							7.2	3000	11-1-7-	-2-3-1-1-3-3-2-2-1-1																			2.40	
56-44	5883-106.6880	-2-12-	n-201900	-05/31/74	-14-	25-21.0							6.8	1000	11-1-7-6-8-3-3-1-1-3-3-2-2-1-1																				10.30	
56-44	5738-106.7166	-2-14-	n-201901	-05/31/74	-14-	25-19.0							6.9	700	7-1-7-6-8-1-3-1																					



APPENDIX C  
EXPLANATION OF CODES USED  
IN THE  
LOS ALAMOS SCIENTIFIC LABORATORY (LASL)  
HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE (HSSR)  
DATA LISTINGS

ITEM C-I  
CODE FOR LASL HSSR OPEN-FILE DATA LISTINGS

ITEM C-II  
NUMERICAL KEY AND SPECIFICATIONS  
FOR SAMPLE TYPES TAKEN BY THE LASL

APPENDIX ITEM C-I  
EXPLANATION OF CODE USED  
IN OPEN-FILE LISTINGS OF  
HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE DATA  
PROVIDED BY  
THE LOS ALAMOS SCIENTIFIC LABORATORY

ERDA 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	New Mexico	= 35
Colorado	= 08	Wyoming	= 56
Montana	= 30		

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

ERDA LAB: An Energy Research and Development Administration (ERDA) one-digit identifier designating the national laboratory responsible for taking the sample and the data shown in the listing, as well as providing the analysis giving 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 "Numerical Key and Specifications for Sample Types Taken by the LASL."

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 NUMBER AND FIELD DATA

LASL SAMPLE NUMBER: A unique six-digit number permanently assigned by the LASL to every location sampled in each state. 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 the various states as follows.

	<u>Location Numbers</u>		<u>State</u>
from	000 001 through 099 999	=	New Mexico
from	100 001 through 199 999	=	Colorado
from	200 001 through 299 999	=	Wyoming
from	300 001 through 399 999	=	Montana
from	400 001 through and above	=	Alaska

**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 data to the nearest whole HOUR on a military (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  $\mu\text{mhos/cm}$ , that was measured in the water at the sample location at the time of sampling.

**SCINTILLOMETER:** The equivalent uranium (eU), in parts per million (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
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**VEGETATION TYPE:** The single digit in this column provides a subjective evaluation of the dominant plant type in the vicinity of the sample location, according to the key 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, according to the key 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, according to the key 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 by the key below.

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

**OWNERSHIP:** The single digit here gives a broad classification of administrative responsibility or general ownership of the land at the sample location, according to the key 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, according to the key below.

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

**WELL TYPE:** The single digit in this column provides a general description of the type of water well from which the sample was taken (if, in fact, it was a well sample), according to the key 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:** The one or two digits (if any) in this column give the measured or estimated inside diameter, in inches, of the casing of the well from which the sample (if taken from a well) came.

**WELL DEPTH:** The one, two, or three digits (if any) in this column give the total drilled depth from the surface, in feet, of the well from which the sample (if taken from a well) came. Three 9s in this column indicates a well depth greater than 1000 ft.

**WATER DEPTH:** The one, two, or three digits in this column give the depth, in feet, from the surface to the standing water in the well, if known (if the sample was taken from a 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 uranium concentration found in the water sample in parts per billion (ppb), or in the sediment sample in parts per million (ppm). Sample Types No. 1 through 10 and 21 through 30 are water samples, with their uranium concentrations given in ppb, while Sample Types No. 11 through 20 and 31 through 40 are sediment samples, with their uranium concentration given in ppm.

APPENDIX ITEM C-II

ABBREVIATED NUMERICAL KEY AND SPECIFICATIONS  
FOR COMMON SAMPLE TYPES TAKEN BY  
THE LOS ALAMOS SCIENTIFIC LABORATORY (LASL)  
IN THE NATIONAL URANIUM RESOURCE EVALUATION (NURE)  
HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE (HSSR)

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

The two-digit key number assigned to each sample type herein designates three distinct properties of the most common types of samples taken by the LASL in the NURE HSSR project. 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 ERDA sample numbering system to positively identify the sample type for all LASL sample data submitted. An expanded version of this key, which includes sample types less commonly used the the LASL, will be provided whenever data from such samples are submitted.

<u>KEY NO.</u>	<u>SOURCE / MEDIUM / TREATMENT</u>
01 -	<u>Spring water</u> sample <u>untreated</u> .
02 -	<u>Stream water</u> sample <u>untreated</u> .
03 -	<u>Well water</u> sample <u>untreated</u> .
04 -	<u>Natural pond water</u> sample <u>untreated</u> .
05 -	<u>Artificial pond water</u> sample <u>untreated</u> .
06 -	<u>Spring water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).
07 -	<u>Stream water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).
08 -	<u>Well water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).
09 -	<u>Natural pond water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).
10 -	<u>Artificial pond water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).

- 11 - Wet spring sediment sample dried at  $\leq 100^{\circ}\text{C}$  and sieved to -100 mesh through stainless steel sieves.
- 12 - Wet stream sediment sample dried at  $\leq 100^{\circ}\text{C}$  and sieved to -100 mesh through stainless steel sieves.
- 13 - Wet natural pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  and sieved to -100 mesh through stainless steel sieves.
- 14 - Wet artificial pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  and sieved to -100 mesh through stainless steel sieves.
- 15 - Dry stream sediment sample dried at  $\leq 100^{\circ}\text{C}$  (if necessary) and sieved to -100 mesh through stainless steel sieves.
- 96 - Dry natural pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  (if necessary) and sieved to -100 mesh through stainless steel sieves.
- 97 - Dry artificial pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  (if necessary) and sieved to -100 mesh through stainless steel sieves.
- 98 - Other water      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. When used in the listings published herein, the source and treatment given the samples so designated are described in the text.
- 99 - Other sediment



APPENDIX D

SUMMARY OF STANDARD PROCEDURES

USED BY

THE LOS ALAMOS SCIENTIFIC LABORATORY (LASL)

IN THE

US ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION (ERDA)

NATIONAL URANIUM RESOURCE EVALUATION (NURE)

HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE (HSSR)

SUMMARY OF STANDARD PROCEDURES  
USED BY  
THE LOS ALAMOS SCIENTIFIC LABORATORY (LASL)  
IN THE  
US ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION (ERDA)  
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HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE (HSSR)

I. FIELD PROCEDURES

Water Sampling

Water samples are taken directly from the source wherever possible, filtered through a 0.45- $\mu$  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  $\leq$  1 with 8N, reagent-grade, HNO<sub>3</sub>. 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  $\leq$  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 centigrade. The water temperature is measured in the source water and recorded to the nearest one-half degree centigrade. 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 ( $\mu$ mho/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 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.

### 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.

## II. ANALYTICAL PROCEDURES

### Water Samples Analyzed for Uranium by Fluorometry

In a controlled laboratory environment, a NaF (98%)-LiF (2%) flux pellet is prepared and placed on a platinum dish. The 25-ml water vial is vigorously shaken and a 0.20-ml aliquot of water is withdrawn and dropped onto a flux pellet, then evaporated under a heat lamp. The sample flux is then heated until fused. After it cools, it is excited with ultra-violet radiation in the fluorometer, and the measured fluorescence is read, recorded, and put through a computer routine using standards and blanks run at the same time to obtain the uranium concentration. Water samples which have uranium concentrations in excess of 10 ppb (the upper limit of detection of the fluorometry system without recalibration) are reanalyzed using the delayed neutron counting technique described below. Water samples which have uranium concentrations below 0.2 ppb are concentrated by a factor of 10 using evaporative methods and are then analyzed by fluorometry to a lower limit of 0.02 ppb.

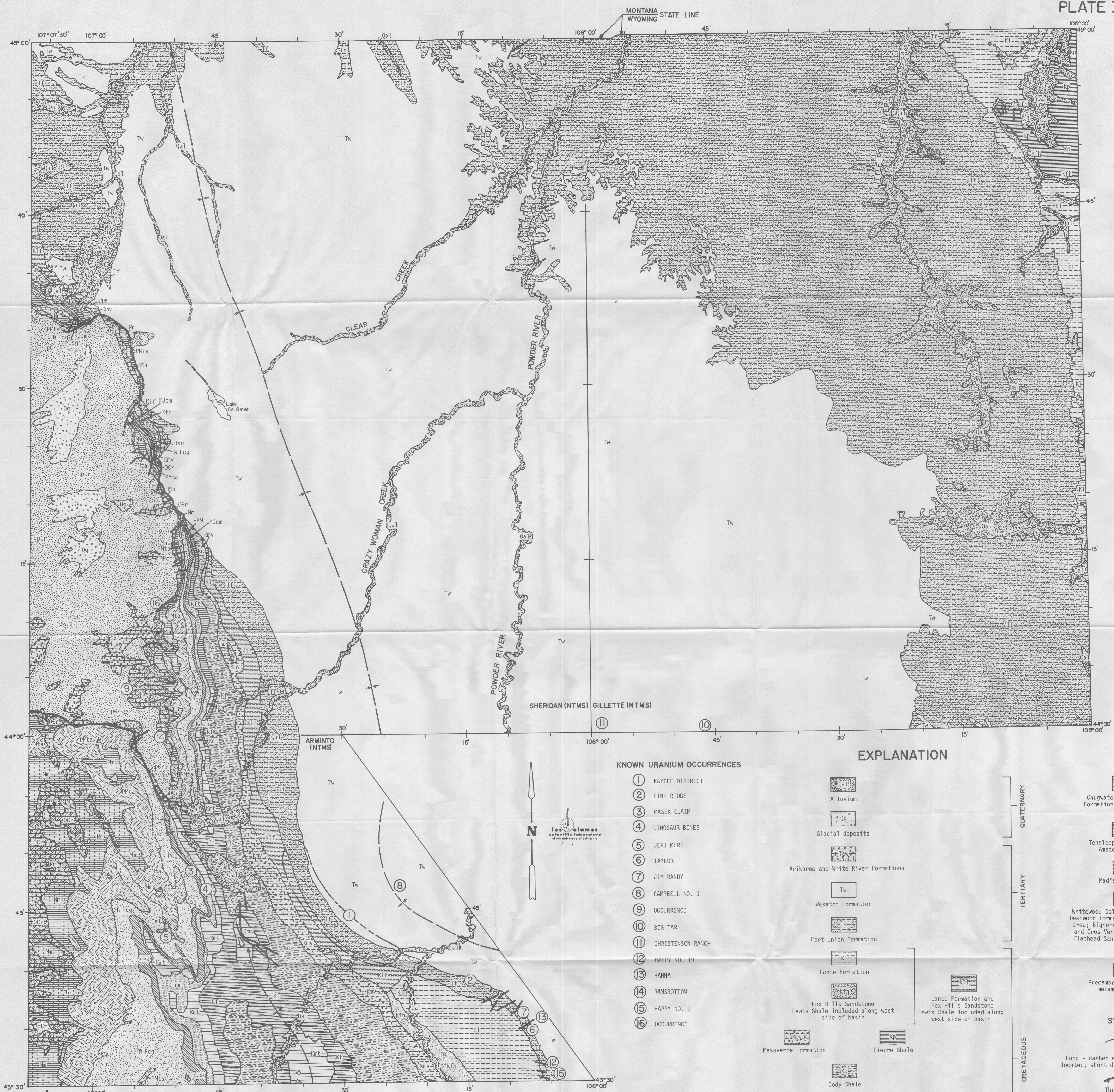
### Water Samples Analyzed for Uranium by Delayed Neutron Counting (DNC)

Only waters with >10 ppb uranium are 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 is 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.

#### 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 is used). The samples are cycled through the system and the uranium concentration is automatically measured, computed in ppm, and entered into the data base.



AFTER HODSON, PEARL & DRUSE (1973)

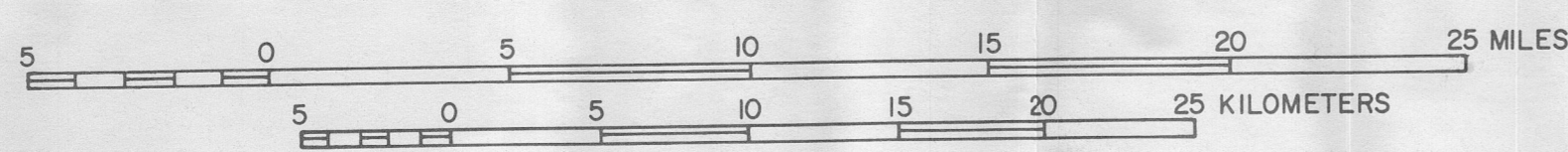


PLATE I  
GENERALIZED GEOLOGY - POWDER RIVER BASIN  
NORTHEAST WYOMING

KNOWN URANIUM OCCURRENCES

- ① KAYCEE DISTRICT
- ② PINE RIDGE
- ③ MASEK CLAIM
- ④ DINOSAUR BONES
- ⑤ JERI MERI
- ⑥ TAYLOR
- ⑦ JIM DANDY
- ⑧ CAMPBELL NO. 1
- ⑨ OCCURRENCE
- ⑩ BIG TAR
- ⑪ CHRISTENSON RANCH
- ⑫ HAPPY NO. 19
- ⑬ HANNA
- ⑭ RAMSBOTTOM
- ⑮ HAPPY NO. 1
- ⑯ OCCURRENCE

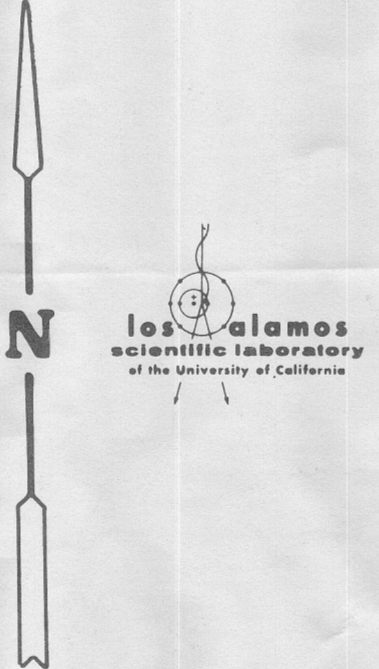
EXPLANATION

<p>① Alluvium</p> <p>② Glacial deposits</p> <p>③ Arikaree and White River Formations</p> <p>④ Wasatch Formation</p> <p>⑤ Fort Union Formation</p> <p>⑥ Lance Formation</p> <p>⑦ Fox Hills Sandstone Lewis Shale included along west side of basin</p> <p>⑧ Mesaverde Formation</p> <p>⑨ Cody Shale</p> <p>⑩ Frontier Formation</p> <p>⑪ Mowry and Thermopolis Shales, undivided</p> <p>⑫ Cloverly and Morrison Formations</p> <p>⑬ Sundance and Gypsum Spring Formations</p>	<p>⑭ Lance Formation and Fox Hills Sandstone Lewis Shale included along west side of basin</p> <p>⑮ Pierre Shale</p> <p>⑯ Frontier Formation, Mowry and Thermopolis Shales, undivided</p>	<p>⑰ Chugwater and Goose Egg Formations and equivalent rocks.</p> <p>⑱ Tensleep Sandstone and Amsden Formation</p> <p>⑲ Madison Limestone</p> <p>⑳ Whitewood Dolomite, Winnipeg and Deadwood Formations in Black Hills area; Bighorn Dolomite, Gallatin and Gros Ventre Formations, and Flathead Sandstone along margin of basin</p> <p>㉑ Precambrian igneous and metamorphic rocks</p>	<p>TRIASSIC AND PERMIAN</p> <p>PERMIAN, PENNSYLVANIAN AND MISSISSIPPIAN</p> <p>MISSISSIPPIAN</p> <p>ORDOVICIAN AND CAMBRIAN</p> <p>PRECAMBRIAN</p>
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**SYMBOLS**

- Contact
- Long - dashed where approximately located; short dashed where inferred.
- ↗ Thrust Fault
- Teeth on upper plate; dashed where approximately located.
- ↔ Strike Slip Fault
- Showing sense of movement
- High Angle Fault
- Dashed where approximately located; dotted where concealed.
- ↕ Anticline
- Showing plunge of axis; dashed where approximately located.
- ↕ Syncline Axis (approximate)



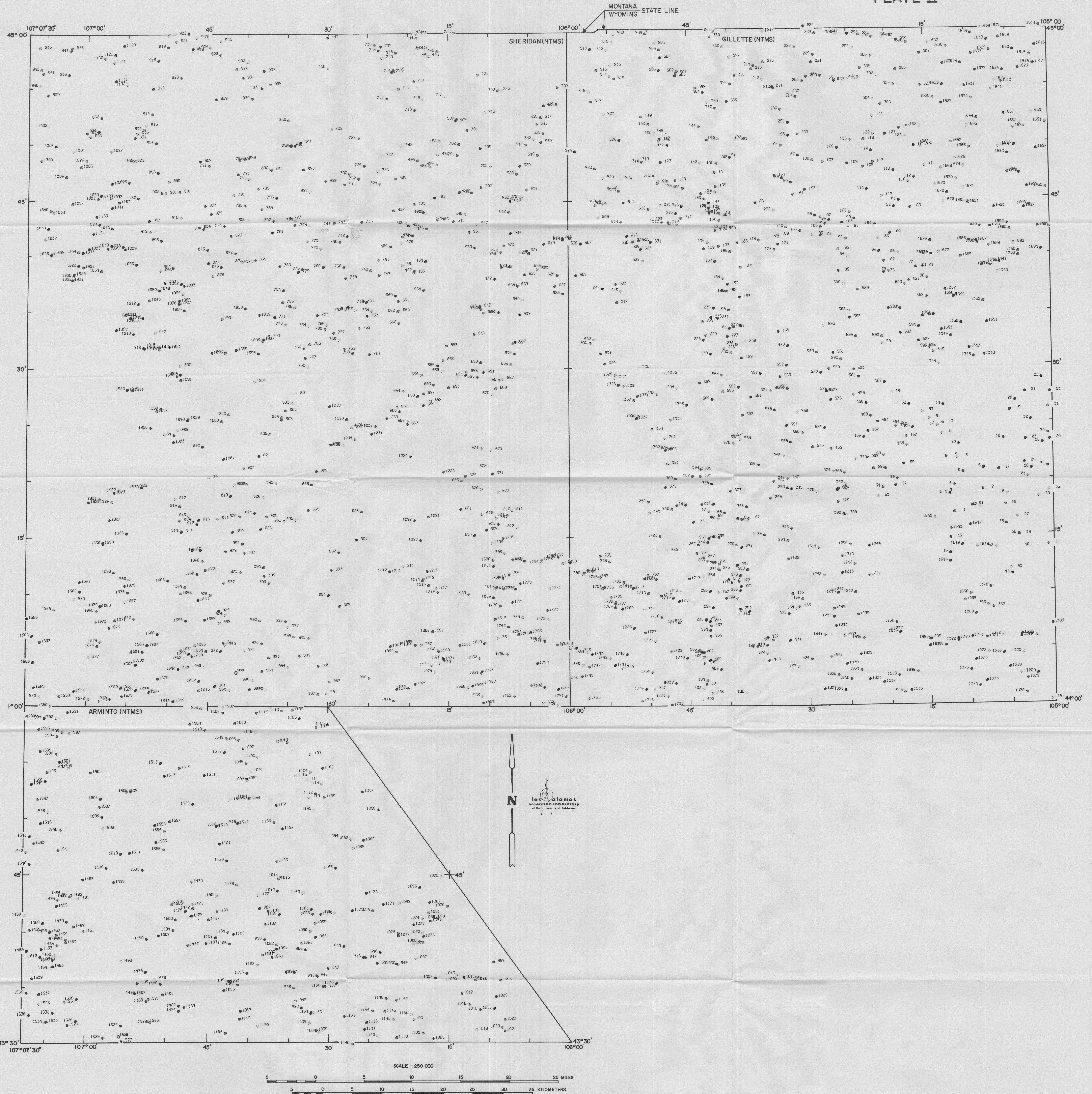


PLATE II  
 SAMPLE LOCATION OVERLAY  
 POWDER RIVER BASIN, NORTHEAST WYOMING

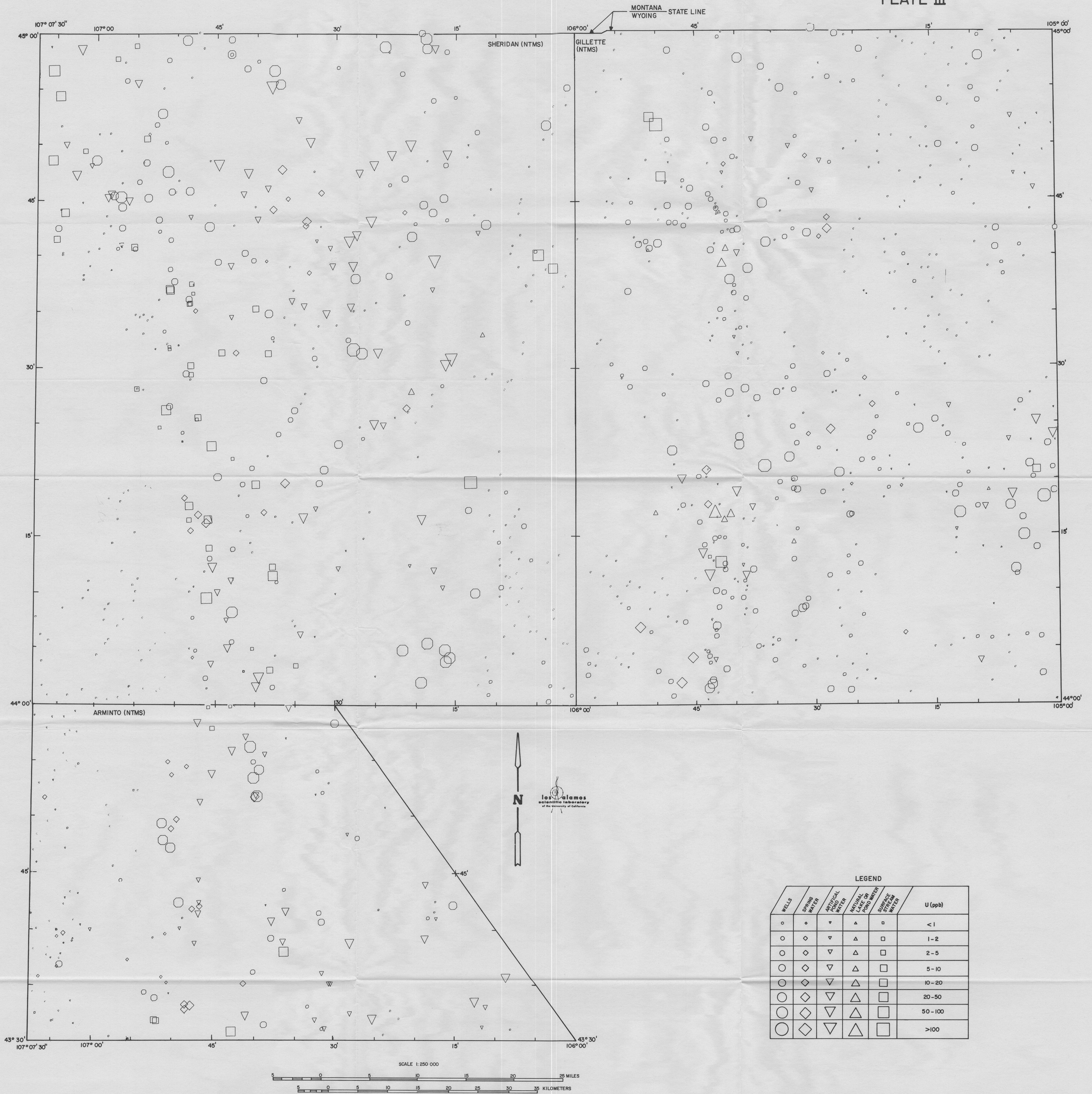
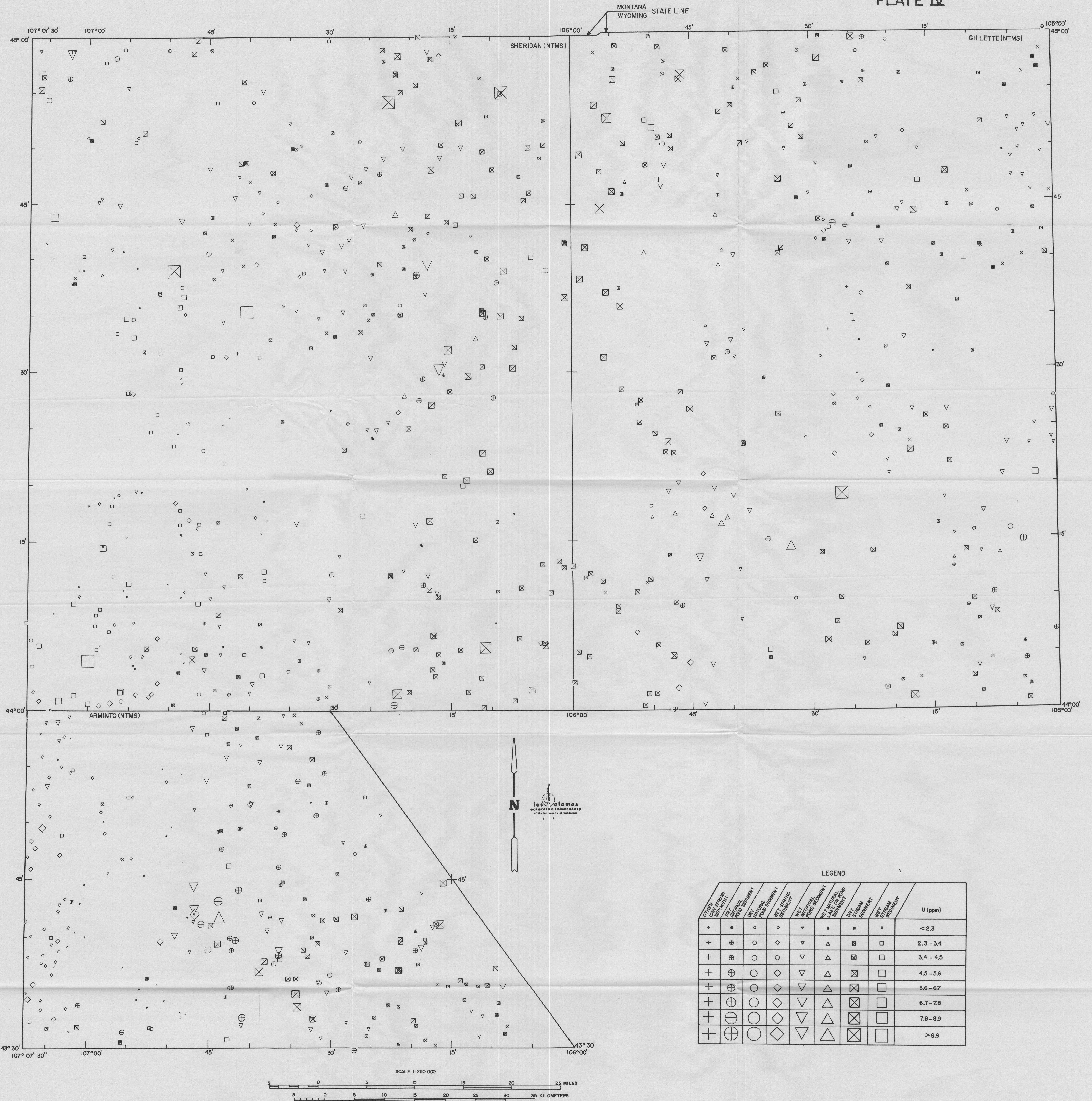


PLATE III  
 URANIUM CONCENTRATION OVERLAY FOR WATER (ppb)  
 POWDER RIVER BASIN, NORTHEAST WYOMING

U. S. GOVERNMENT PRINTING OFFICE: 1977-779-804



LEGEND

OTHER DRY SPRING SEDIMENT	DRY ARTIFICIAL POND SEDIMENT	DRY NATURAL POND SEDIMENT	WET SPRINGS SEDIMENT	WET NATURAL ARTIFICIAL POND SEDIMENT	WET NATURAL LEVEE SEDIMENT	DRY STREAM SEDIMENT	WET STREAM SEDIMENT	U (ppm)
+	•	o	◊	▼	▲	■	◻	< 2.3
+	⊕	○	◊	▼	▲	■	◻	2.3 - 3.4
+	⊕	○	◊	▼	▲	■	◻	3.4 - 4.5
+	⊕	○	◊	▼	▲	■	◻	4.5 - 5.6
+	⊕	○	◊	▼	▲	■	◻	5.6 - 6.7
+	⊕	○	◊	▼	▲	■	◻	6.7 - 7.8
+	⊕	○	◊	▼	▲	■	◻	7.8 - 8.9
+	⊕	○	◊	▼	▲	■	◻	> 8.9

SCALE 1:250 000

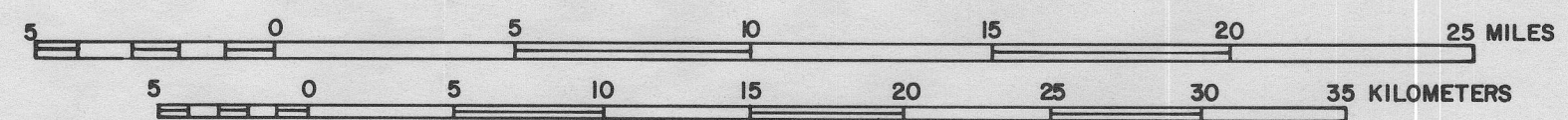


PLATE IV  
URANIUM CONCENTRATION OVERLAY FOR SEDIMENT (ppm)  
POWDER RIVER BASIN, NORTHEAST WYOMING