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**Uranium Hydrogeochemical and Stream Sediment
Reconnaissance of the
Tularosa NTMS Quadrangle, New Mexico**

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URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT
RECONNAISSANCE OF THE TULAROSA NTMS QUADRANGLE, NEW MEXICO

by

David E. Broxton

ABSTRACT

The Los Alamos Scientific Laboratory conducted a hydrogeochemical and stream-sediment reconnaissance for uranium in the Tularosa National Topographic Map Series quadrangle, New Mexico. A total of 338 water and 1877 sediment samples were collected over a 20 700-km² area from 2125 locations at a nominal density of one sample per 10 km². Water samples were collected from wells, streams, springs, and artificial ponds. Sediment samples were collected from streams, springs, natural ponds, and artificial ponds. For the purpose of discussion, arbitrary anomaly thresholds of two standard deviations above the mean were chosen for both water and sediment sample populations.

The uranium concentrations in waters collected in the Tularosa quadrangle range from below the detection limit of 0.2 parts per billion (ppb) to 57.8 ppb. Most clusters of water samples containing anomalously high uranium concentrations were collected from locations in uplifts underlain either by volcanic rocks of the mid-Tertiary Datil group or by sedimentary rocks of late Paleozoic and Mesozoic age. Other groups of anomalous waters are from wells that tap Cenozoic aquifers in the intermontane basins. However, as much ground water in these basins is brackish, some higher uranium values in the well waters may be simply a function of the water chemistry. In those areas where the water-sample location coverage is adequate, the known uranium occurrences are generally associated with high or anomalous uranium concentrations in water samples.

With the exception of one sample with a uranium concentration of 67.7 parts per million (ppm), sediments collected in this study have uranium concentrations that range between 0.2 and 15.2 ppm. Most sediments with uranium concentrations above the arbitrary anomaly threshold value are from locations which occur in or parallel outcrops of Precambrian crystalline rock exposed in the San Andres and Oscura Mountains. Other anomalous sediments occur as more discreet groups, or clusters, in areas underlain by mid-Tertiary volcanic rocks of the Datil group. Several anomalous samples from the Mogollon-Datil volcanic field were collected along ring fracture systems that surround large volcanic cauldrons.

I. INTRODUCTION

This report describes work done in the Tularosa, New Mexico, National Topographic Map Series (NTMS) quadrangle (1:250 000 scale) by the Los Alamos Scientific Laboratory (LASL) as part of the nationwide Hydrogeochemical and Stream Sediment Reconnaissance (HSSR). The HSSR, a part of the National Uranium Resource Evaluation (NURE) program sponsored by the US Department of Energy (DOE), is designed to identify areas having higher than normal concentrations of uranium in ground waters, surface waters, and water-transported sediments. The HSSR data ultimately will be combined with data from other NURE programs (e.g., from airborne radiometric surveys and geological investigations) to prepare an improved assessment of the potential uranium resources in the US and to indicate areas favorable for uranium exploration by the private sector. The LASL is responsible for conducting the HSSR in the Rocky Mountain states of New Mexico, Colorado, Wyoming, and Montana, and in Alaska.

A total of 338 water and 1877 sediment samples were collected at 2125 locations in the Tularosa quadrangle. The western half of the quadrangle (west of 107°W longitude) was sampled by one commercial contractor between April 13 and July 19, 1976. Another contractor sampled the eastern half of the quadrangle between February 12 and August 10, 1977. The standardized field, analytical, and data-management procedures used by the LASL during this study are described briefly in Appendix A and in reports by Sharp (1977), Hues et al (1977), Sharp and Aamodt (1978), and Cheadle (1978).

Plates in the rear pocket of this report include a geologic map (Plate I), a sample location overlay (Plate II), a uranium concentration overlay for waters (Plate III), and a uranium concentration overlay for sediments (Plate IV). All plates are 1:250 000 scale and can be used in conjunction with the Tularosa NTMS quadrangle available through the US Geological Survey (USGS).

II. DESCRIPTION OF STUDY AREA

Location and Geographic Setting

Water and sediment samples were collected over a 20 700-km² area in the Tularosa NTMS quadrangle of southwestern New Mexico (Fig. 1). The quadrangle is bounded by latitudes 33° and 34°N and longitude 106° and 108°W. The area is mainly within Socorro and Sierra counties, but also includes parts of Catron, Grant, Doña Ana, Lincoln, and Otero counties. Interstate highways and secondary roads provide good access to most of the area, although some mountainous areas are accessible only by foot or horseback.

The Tularosa NTMS quadrangle is part of the Mexican Highlands section of the Basin and Range physiographic province. The major topographic features in this region are related to block faulting and volcanism. In general, the area consists of narrow, north-trending mountain ranges separated by broad arid basins. The principal topographic features in the area are shown in Fig. 1.

The group of mountains west of the Rio Grande are generally massive, rising from 2600 to 3100 m above sea level. East of the Rio Grande, the mountains are less massive, consisting of narrow linear ranges 2000 to 2700 m in elevation. Large alluvial fans lap the flanks of all mountains in the area. These fans also extend well into the basins, partially burying older erosional terraces along the mountain fronts.

The basin floor of the Plains of San Agustin is about 2000 m above sea level. Elevations in the Jornada del Muerto and Rio Grande Valley range from 1450 to 1650 m and elevations in the Tularosa Valley range between 1200 and

Fig. 1. Index map for the Tularosa quadrangle, New Mexico.

1500 m. The rock- and alluvium-covered floors of the basins contain many local depressions, but on a regional scale the basin floors slope gently southward.

Basin vegetation consists of mesquite, creosote, tarbrush, cacti, yuccas, and grasses except along the Rio Grande floodplain where cottonwood and other phreatophytes dominate (Stone and Brown, 1975; Dick-Peddie, 1975). The mountain vegetation changes progressively from piñon and ponderosa pine in the lower foothills to Douglas fir, limber pine, and/or balsam fir and spruce fir at higher elevations (Dick-Peddie, 1975).

The Tularosa quadrangle is sparsely populated, with most residents living on farms along the Rio Grande or in the towns of Truth or Consequences and Tularosa. The principal industries in the area are farming, ranching, and lumbering.

Climate

The Tularosa quadrangle has an arid to subarid climate in the basins and a subhumid climate in the mountains. There are wide variations in temperature, annual precipitation, and evaporation rates across the area because of the many local topographic irregularities. In general, the mean annual daily maximum temperature is about 25°C and the mean daily minimum temperature is about 12°C (Federal Energy Administration, 1977). Annual precipitation is usually less than 25 cm in the inner basins, and 64 cm or greater in the higher mountains (Conover et al, 1955; Spiegel, 1955). Most annual precipitation occurs as intense afternoon summer thundershowers.

Information about the local weather conditions was recorded by the samplers at each sample site. This information is included in the data listings in Appendixes B and C. Most sampling took place under extremely dry conditions, although the samplers did report a few scattered thundershowers during the summer months.

Hydrology

The main surface drainage system in the area is the south-southwest-flowing Rio Grande. The Rio Grande receives most of the water it carries from headwaters in southern Colorado and northern New Mexico. The principal tributaries to the Rio Grande in the Tularosa quadrangle are intermittent streams originating in the Magdalena, San Mateo, and Black Mountains. The extreme western part of the quadrangle is drained by the headwaters of the Gila River system. These west-flowing streams also are intermittent. The Plains of San Agustin, Jornada del Muerto, and Tularosa Valley are closed drainages. Water from the surrounding mountains enters these basins through a system of mountain-front arroyos that empty into playas or shallow permanent lakes on the basin floors.

Detailed reports describing the aquifers, ground water movements, and water chemistry for this area are provided in Conover et al (1955), Spiegel (1955), Cooper (1965), Herrick and Davis (1965), McLean (1975), Garza and McLean (1977), and the Federal Energy Administration (1977). The main ground water reservoirs in the area are in unconsolidated, highly permeable Tertiary and Quaternary sediments that fill the intermontane basins. Other less productive aquifers include: the Pennsylvanian Madera formation; the Permian Abo, Yeso, and San Andres formations; and some Cretaceous sandstones. In general, ground water in Quaternary aquifers occurs under water-table conditions while ground water in the Paleozoic and Mesozoic aquifers is under artesian conditions. Ground water in the closed drainage basins is generally of good quality near the basin margins (close to the recharge areas), but

becomes brackish towards the basin centers because of evaporation and dissolution of minerals in the aquifers.

III. GEOLOGY

Stratigraphy

The Tularosa area contains a large variety of igneous, metamorphic, and sedimentary rocks representing all major geologic periods except the Jurassic. Table I gives a general description of the main rock units in the area. More detailed descriptions of individual rock units can be found in Lasky (1932), Harley (1934), Kottowski et al (1956), Kottowski (1963), and in numerous articles in New Mexico Geological Society publications (1955, 1959, 1963, 1975). The distribution of the main stratigraphic units is shown on the geologic map (Plate I) in the rear pocket.

The Precambrian rocks exposed in the Fra Cristobal, Caballo, Oscura, and San Andres Mountains are part of a 1.0- to 1.8-b.y.-old Precambrian crustal province (Budding and Condie, 1975). The oldest rocks are amphibolite facies metasediments and metavolcanics consisting of quartzites, various gneisses and schists, greenstones, and metarhyolites. The metasediments and metavolcanics are intruded and locally migmatized by granite, leucogranite, and granodiorite plutons. Pegmatite dikes cut all Precambrian units in the area. In addition to being possible source rocks for uranium, the Precambrian rocks in the Tularosa quadrangle, particularly the felsic igneous rocks, are potential hosts for uranium veins.

Paleozoic rocks are exposed as erosional outliers through the thick cover of younger volcanic rocks west of the Rio Grande and in the fault block mountains east of the Rio Grande. Lower and middle Paleozoic strata consist of several hundred meters of shallow marine carbonates, sandstones, and shales (Flower, 1955). The shallow marine sequences are succeeded by upper Paleozoic redbeds, limestones, and gypsiferous sediments deposited in continental and restricted marine environments. Most known uranium occurrences in the Tularosa quadrangle are in the Pennsylvanian Madera and Permian Abo formations.

South-central New Mexico was a positive area from early to middle Mesozoic time (Bushnell, 1955). As a result, Triassic strata (Dockum group) are present only in the northern part of the quadrangle while Jurassic strata, important uranium host rocks in the northern part of the state, are absent entirely. Lower Cretaceous strata (Sarten formation) are present only locally in the quadrangle; therefore, the Permian San Andres formation is generally overlain by upper Cretaceous beds. Upper Cretaceous strata are up to 1000 m thick and consist of intertonguing marine and continental shales and sandstones. Continental redbeds and volcanoclastic sediments of the McRae and Baca formations (latest Cretaceous and early Tertiary) unconformably overlie the upper Cretaceous strata. The Triassic Dockum group, Cretaceous Dakota and Mesaverde formations, and Eocene Baca formation are uranium-bearing host rocks in other parts of New Mexico. Of these units, only the Mesaverde formation hosts a known uranium occurrence in the Tularosa quadrangle. Though no uranium deposits are known to occur in the McRae formation, it is considered a favorable host rock for sandstone-type deposits and has been explored recently.

Early Tertiary and older rock units west of the Rio Grande are buried under the Mogollon-Datil volcanic field. Rocks making up the Mogollon-Datil volcanic field, variously known as the Datil group or Datil formation, are a complex assemblage of Oligocene to Miocene ash flows and lavas ranging in composition from rhyolite to basaltic andesite. These rocks were erupted from

TABLE I
GENERALIZED STRATAGRAPHIC CHART OF ROCK UNITS
IN THE TULAROSA QUADRANGLE, NEW MEXICO^a

System	Groups and Formations	Approximate Thickness	Rock Descriptions
Quaternary	Palomas gravels and recent alluvium	?	Stream alluvium, terrace and pediment gravel, aeolian sand and gypsum, and basalt flows.
Upper Tertiary	Gila and Santa Fe deposits	?	Fanglomerate, conglomerate, sandstone, siltstone, tuff, and basalt flows.
Middle Tertiary	Datil group	330-1330 m	Complex assemblage of intermediate to felsic volcanic rocks.
Upper Cretaceous Lower Tertiary	McRae and Baca formations	330-1000 m	Reddish-brown or purple volcanics, conglomerate, sandstone, and shale.
Upper Cretaceous	Mesaverde formation	100-1000 m	Gray and brown medium-grained sandstone with alternating layers of shale, siltstone, and mudstone.
	Mancos shale	270-330 m	Gray, friable, calcareous shale.
	Dakota sandstone	25-30 m	Medium- to coarse-grained quartzose sandstone with minor shale beds, locally carbonaceous.
Lower Cretaceous	Sarten formation	25-35 m	Purple silty sandstone, sandy fossiliferous shale, and black carbonaceous shale.
Triassic	Dockum group	60-100 m	Reddish-brown calcareous siltstone, claystone, and shale.
Permian	San Andres limestone	170-330 m	Limestone, silty limestone, and gypsum.
	Yeso formation	70-100 m	Light red and orange shale with some limestone and gypsum.
	Abo formation	70-270 m	Red to reddish brown siltstone, mudstone, and sandstone.
Middle and Upper Pennsylvanian	Madera limestone	300 m +	Thin-bedded to massive limestones with some interbedded shale and sandstone.
	Sandia formation	40-50 m	Interbedded limestone, shale, sandstone, and orthoquartzite; chert pebble conglomerate at base locally.
Lower Mississippian	Lake Valley and Kelley limestones	25-35 m	Medium- to thick-bedded, cliff forming limestone.
Middle and Upper Devonian	Percha formation	15-80 m	Dark, fossiliferous shale and siltstone.
	Ocate and Sly Gap formation	8-35 m	Dolomitic siltstone, fossiliferous shale, minor limestone.
Middle Silurian	Fusselman dolomite	0-70 m	Thin to massively bedded dolomite.
Ordovician	Montoya group	0-130 m	Massive cliff-forming dolomite; basal dolomitic sandstone or sandy dolomite.
	El Paso group	50-250 m	Thick-bedded to massive gray limestone and dolomite; basal sandstone present locally.
Upper Cambrian	Bliss sandstone	35 m +	Interbedded orthoquartzite, feldspathic sandstone, shale, and dolomite.
Precambrian	Undivided		Granite, granodiorite, metarhyolite, quartzite, gneiss, schist, amphibolite, greenstone, and pegmatite dikes.

^a Compiled from Harley (1934), Bushnell (1955), Kottlowski et al (1956), and Kottlowski (1963 and 1975).

widely scattered volcanic centers during at least three major eruptive cycles (Elston et al, 1968; Rhodes, 1976). Datil group rocks are up to 3000 m thick in some parts of the volcanic field. The chemistry, petrography, and stratigraphy of the Datil group are summarized by Weber (1963), Elston et al (1970), Ericksen et al (1970), and in numerous articles in a work edited by Elston and Northrop (1976). The felsic volcanics of the Datil group are potential source rocks for uranium. These volcanics may also host uranium veins, particularly in such favorable structural settings as the ring fractures around the collapsed volcanic cauldrons.

Miocene to Pleistocene clastic sediments of the Santa Fe group and their lateral equivalent to the west, the Gila conglomerate, were deposited in all major topographic and structural basins in the Tularosa quadrangle. The Santa Fe group consists of several thousand meters of arkosic fanglomerates, fluvial sandstones and siltstones, playa deposits, and interbedded basalt flows. Pleistocene terrace gravels, pediment gravels, and bolson deposits truncate and cover beds of Santa Fe age in many areas. Though uranium deposits are not known in Santa Fe and Gila strata in the Tularosa quadrangle, these units host uranium deposits in other parts of the state.

Miocene and Pleistocene deposits are in turn overlain by Recent basalt flows and alluvium. Some recent basalt flows (known as malpais) cover several hundred square kilometers in the Jornada del Muerto and Tularosa Valley.

Structure

The present day mosaic of structures in the Tularosa quadrangle is primarily due to the overprinting of three deformational events: formation of Laramide uplifts and basins, subsidence of volcano-tectonic depressions in the Mogollon-Datil volcanic field, and normal faulting associated with the Rio Grande rift system. The structural depressions formed during any of these three episodes of deformation may have localized uranium-rich ground water or hydrothermal fluids. The major structural features in the quadrangle are shown in Fig. 2.

The Tularosa quadrangle was the site of a north-trending belt of basement uplifts during the late Cretaceous-early Tertiary Laramide orogeny (Kelley, 1955a; Eardley, 1962). These uplifts are characterized by large vertical displacements and commonly are flanked by adjacent basins. The Jornada del Muerto basin, a broad shallow downwarp, subsided between two Laramide uplifts (Chapin, 1971). Most Laramide structures were partially obliterated by an episode of late Tertiary block faulting; remnants of the earlier structural features are folds, reverse faults, and thrust faults preserved in the younger mountain ranges.

The mid-Tertiary Mogollon-Datil volcanic field is part of a volcano-tectonic province at the southeast corner of the Colorado Plateau. The eastern boundary of the volcanic field is marked by the Black Range, a west-dipping homoclinal uplift (Coney, 1976). The interior plateau of the volcanic field is a structural depression in which the exposed volcanic rocks are younger than the rocks of the bounding uplifts. Numerous calderas throughout the field were sources for voluminous ash flow tuffs that make up much of the volcanic field. Rhodes (1976) and Elston et al (1976a) suggest that the Mogollon Plateau is underlain by a major granitic batholith into which the interior plateau and the many scattered cauldrons collapsed after intense mid-Tertiary volcanism.

The main structural features in the Tularosa quadrangle are late Tertiary fault-block mountains and grabens of the Rio Grande rift system. The Rio Grande rift is a north-trending belt of linked, en echelon grabens extending

Fig. 2. Main structural features in the Tularosa quadrangle, New Mexico.

from central Colorado to southern Mexico. The geometry of the rift was first described by Bryan (1938) and Kelley (1952, 1955a). Recently, Chapin (1971) suggested that the eastern boundary of the rift be extended to include the Tularosa basin which was not considered part of the rift system by the earlier investigators. In the Tularosa quadrangle, the rift consists of a series of parallel, sediment-filled grabens (e.g., the Winston, San Marcial, Engle, Palomas, Jornada del Muerto, and Tularosa basins) separated by intrarift horsts (e.g., the Sierra Cuchillo, San Mateo, Magdalena, Fra Cristobal, Caballo, Oscura, and San Andres uplifts). The San Agustin basin, a series of northeast-trending en echelon grabens, may be a branch of the main rift system (Chapin, 1971). Development of the Rio Grande rift began about 28-30 m.y. ago (late Oligocene) and probably culminated in the late Paleocene (Kelley, 1952; Chapin and Seager, 1975). Recent fault scarps and relatively high seismicity along marginal structures suggest that the rift is still an active tectonic feature (Budding and Topozada, 1970).

Uranium Occurrences

Brief descriptions of known uranium occurrences in the Tularosa quadrangle are listed in Table II. Locations of these occurrences are shown on the uranium concentration overlay for waters (Plate III) in the rear pocket. Additional uranium occurrences taken from a map compiled by Ellis (1973), but not described in Table II, are also plotted on Plate III.

At the present time there is no major production of uranium in the quadrangle although minor tonnages have been extracted from two small mines (Empire group and Pitchblende strike) in the vicinity of the Sierra Cuchillo. As stated previously, the principal uranium host rocks in and around the Tularosa quadrangle are the Pennsylvanian Madera formation, Permian Abo formation, Triassic Dockum group, Cretaceous Dakota and Mesaverde formations, late Cretaceous-early Tertiary McRae and Baca formations, and Tertiary Santa Fe and Gila strata. Of these, the Abo formation hosts most known occurrences in the quadrangle. Some uranium also occurs in veins along mineralized shear zones that cut both Precambrian and Paleozoic rocks. Boyd (1955) noted that many uranium occurrences in the area are near mid-Tertiary felsic intrusions and suggested a genetic relation with them.

Other Mineral Occurrences

Although mining activity in the Tularosa quadrangle probably dates back to the seventeenth century, the important mining history began in the late 1800s and has continued sporadically to the present. The locations of the principal mining districts in the area are shown on Fig. 2. Detailed descriptions of the mineralization, mining history, and production of these mining districts are available in Lindgren et al (1910), Lasky (1932), Harley (1934), Griswold (1959), and US Geological Survey (USGS, 1965).

The principal ores mined in the area include lead, zinc, copper, silver, gold, tin, manganese, tungsten, bismuth, and fluor spar. These ores were deposited in veins along fractures and bedding planes in Paleozoic limestones and in Tertiary volcanic rocks. Many larger deposits are associated with mid-Tertiary volcanic centers, especially in the Mogollon-Datil volcanic field (Elston et al, 1976b).

TABLE II

REPORTED URANIUM OCCURRENCES IN THE TULAROSA QUADRANGLE, NEW MEXICO

<u>Deposit or Occurrence</u>	<u>Location</u>	<u>Description</u>	<u>Reference</u>
1. Empire Group Claims	11 km northeast of Winston. 107°38'W long., 33°28'N lat.	Uraninite and secondary uranium minerals are associated with disseminated copper in limestones and shales of the Abo formation. Rhyolite porphyry dikes are near the mineralized areas. Minor amounts of uranium have been produced from these claims.	USGS (1965); Boyd and Sharps (1955a)
2. Sherry No. 3, Good Luck No. 1, Mitchell and Price Nos. 1 and 8	Near Chise. 107°35'W long., 33°17'N lat.	Uraninite and secondary uranium minerals are associated with copper mineralization in pockets of carbonaceous material in shales and limestone of the Abo formation.	USGS (1965); Boyd and Sharps (1955b)
3. Red Tiger Claims	Southeast flank of Sierra Cuchillo. 107°32'W long., 33°13'N lat.	Copper and uranium minerals occur along fractures in siltstones of the Abo formation.	Boyd (1956)
4. Pitchblende Strike	Southern end of San Mateo Mountains, 107°25'W long., 33°25'N lat.	Uraninite and uranophane occur in brecciated chert and limestone of the Madera formation. Tertiary andesite encloses the Madera strata. Minor amounts of uranium have been produced from this group of claims.	USGS (1965)
5. Blue Jackets Nos. 1 and 2	East side of Rio Grande, southeast of Truth or Consequences. 107°14'W long., 33°6'N lat.	A minor occurrence of bannerite, uraninite, and uranophane is associated with fluorite in a fault zone between Precambrian granite and Cambrian sandstone.	Boyd (1955); Jedlicka (1954)
6. Red Hills Claims	East Flank of the Caballo Mountains. 107°12'W long., 33°1'N lat.	Secondary uranium minerals are associated with copper minerals and carbon trash in siltstones of the Abo formation.	Stroud (1954)
7. Unnamed	106°46'W long., 33°53'N lat.	Radiometric readings are twice the average background in bituminous coal beds of the Mesaverde formation. No uranium minerals seen.	Collins (1954)

IV. PRESENTATION OF DATA

Uranium concentrations, field measurements, weather, geologic, and geographic data for each sample location are included in the data listings for waters in Appendix B and for sediments in Appendix C. Appendix D explains the codes used in Appendixes B and C. Semilogarithmic histograms for uranium concentrations in stream, well, and spring waters are presented in Appendix E. A histogram showing the frequency distribution of uranium concentrations in all sediment samples, collectively, is presented in Appendix F. The rear pocket of this report contains a geologic map (Plate I), a sample location overlay (Plate II), a uranium concentration overlay for water (Plate III), and a uranium concentration overlay for sediments (Plate IV). All plates are 1:250 000 scale and can be used in conjunction with the Tularosa NTMS quadrangle published by the USGS. The uranium concentration intervals for all histograms and for the uranium concentration overlays (Plates III and IV) were arbitrarily chosen to show clearly the distribution of the data.

The following sections are not intended to represent a rigorous evaluation of the data. They are included to identify obvious groups of samples with high uranium concentrations and to briefly describe the geologic settings in which these samples occur. Limiting the discussion to such groups of so-called "anomalous" samples should not be construed as discounting the possible significance of the remaining samples. However, a detailed evaluation of the data is beyond the LASL charter to collect and publish the basic data for the HSSR program in the Rocky Mountain states and Alaska by the mid-1980's.

Experience at the LASL with HSSR uranium data from other areas has shown that many more specific and interesting conclusions relating the uranium data to the regional geology and known uranium occurrences can be obtained by a more thorough evaluation than is possible here. A particularly useful approach has been the contouring of sample groups at different concentration intervals, and the study of closed contours in relation to topography, drainage patterns, known uranium occurrences, faults, and favorable host and source rocks.

Such a comparison can identify relationships with those areas that might be expected to have naturally high or low uranium concentrations as well as those with subtle or unexplained uranium trends above the local background. These latter trends may be significant to uranium exploration and worthy of further investigation and field work.

Uranium Concentrations in Water Samples

A total of 338 water samples were collected from wells, streams, springs, and artificial ponds in the Tularosa quadrangle. The sample coverage is extremely sparse in some parts of the quadrangle because of the complete lack of available surface waters and uneven distribution of wells.

The basic statistical data for waters are summarized by sample type in Table III. Uranium concentrations for waters of all types range from below the detection limit of 0.2 parts per billion (ppb) to 57.80 ppb and have a mean of 4.34 ppb. The means and standard deviations for stream, well, and spring waters are unusually high because the uranium concentrations in a few samples are very high. Therefore, the means and standard deviations for these sample types were recalculated after omitting samples with uranium concentrations greater than 10 ppb for streams (3 samples), 20 ppb for wells (8 samples), and 5 ppb for springs (4 samples). Since only 10 artificial pond waters were sampled, they are not considered a meaningful population and will not be discussed further.

TABLE III

SUMMARY OF URANIUM DATA FOR WATER SAMPLES,
TULAROSA QUADRANGLE, NEW MEXICO

<u>Sample Type</u>	<u>Sample Size</u>	<u>Range (ppb)</u>		<u>Mean (ppb)</u>	<u>Standard Deviation</u>
		<u>Min.^b</u>	<u>Max.</u>		
All Waters	338	0.10	57.80	4.34	6.50
Stream Waters	65	0.10	37.70	2.05	5.29
Stream Waters ^a	62	0.10	7.03	1.12	1.87
Artificial Ponds	10	0.10	7.70	Statistically insignificant	
Well Waters	231	0.10	57.80	5.37	7.07
Well Waters ^a	223	0.10	19.10	4.40	4.2
Spring Waters	32	0.10	9.10	2.39	2.07
Spring Waters ^a	28	0.10	4.61	1.84	1.41

^a Recalculated means and standard deviations dropping the high uranium values as described in the text.

^b See Appendix A, Section II for the significance of the minimum uranium values.

There is a significant difference in the mean uranium concentrations in wells and springs. Well waters (recalculated mean, 4.40 ppb) are more than twice as uraniferous as spring waters (recalculated mean, 1.84 ppb). This difference is possibly due to differences in the basic geochemistry of the ground-water source areas for these sample types. As noted before, ground waters are relatively fresh along the margins of the large intermontane basins, but they become increasingly brackish toward the basin centers. The majority of wells sampled during this study are in the basin interiors where the ground waters are brackish. In contrast, spring waters were sampled exclusively in the mountains or along the basin margins near recharge zones where the ground water generally is fresh. Brackish ground waters contain anions (e.g., chloride, carbonate, and sulfate) that have strong affinities for the uranyl (UO_2) ion, and waters containing significant quantities of these anions are likely to have high uranium values (Dall'Aglia et al, 1974). The high specific conductance measurements for wells and relatively low specific conductance measurements for springs in Appendix B reflect the water chemistry differences between the two sample types.

Anomaly thresholds for waters are arbitrarily defined as two standard deviations above the (recalculated) mean. Samples that have relatively high uranium concentrations, but fall below the anomaly threshold, will be referred to as "subanomalous." Stream, spring, and well waters are treated separately because each type was collected from a greatly different hydrogeologic regime. The anomaly threshold is set at 4.8 ppb for stream waters, 4.6 ppb for spring waters, and 12.8 ppb for well waters. Descriptions of six water anomaly clusters are summarized in Table IV. It should be noted, however, that some single samples having high uranium concentrations (not described in Table IV) may be significant, but they do not occur in anomaly clusters because of the uneven distribution of water sample locations in some parts of the quadrangle.

TABLE IV

ANOMALOUS URANIUM CONCENTRATION CLUSTERS IN WATERS, TULAROSA QUADRANGLE, NEW MEXICO

<u>Geographic Location</u>	<u>LASL Sample Location Number</u>	<u>Sample Type</u>	<u>Total Uranium (ppb)</u>	<u>Specific Conductance (µmhc/cm)</u>	<u>pH</u>	<u>Geology/Remarks</u>
Southeastern flank of the Plains of San Agustin	N22028	Well	16.30	550	9.0	All three wells tap Cenozoic aquifers in the San Agustin basin. Volcanic rocks of the Datil group are the bedrock units in the recharge area for this ground water system.
	N22034	Well	14.00	640	9.2	
	N22050	Well	16.70	750	7.5	
Northern end of Sierra Cuchillo	N22184	Well	13.10	310	7.2	These anomalous waters are from streams in the Sierra Cuchillo which drain mafic to intermediate lava flows tentatively identified as a basal facies of the Datil group. Anomalous well samples are from Cenozoic aquifers at the north end of the Winston Basin, adjacent to the uplift. There is a uranium mine and a vein-type occurrence associated with this cluster. There are also several wells with greater than 8 ppb uranium in this area.
	N22245	Stream	7.03	600	7.2	
	N22248	Stream	5.80	580	7.2	
	N22249	Stream	5.13	590	7.4	
	N22250	Stream	5.35	500	7.8	
	N22252	Stream	6.11	600	7.6	
	N22253	Stream	5.41	600	7.2	
	N22254	Stream	5.86	560	7.6	
Central San Mateo Mountains	N22296	Well	15.30	310	7.8	
	N22915	Spring	4.61	475	7.0	These two spring samples were taken from an area underlain by felsic volcanic rocks of the Datil group near the southern margin of the Mt. Withington cauldron.
	N22930	Spring	5.37	480	6.8	
South-central Jornada del Muerto	N23182	Well	57.80	2510	6.9	All four wells in this cluster tap Cenozoic aquifers in the southern interior of the Jornada del Muerto. Specific conductance measurements indicate that the well waters in this basin are moderately brackish.
	N23397	Well	17.00	2890	6.9	
	N23402	Well	14.90	3100	7.4	
	N23407	Well	23.10	1200	6.7	
Northern Jornada del Muerto	N22456	Well	17.00	245	6.9	These anomalous waters were collected from a small uplift at the north end of the Jornada del Muerto. Two bedded uranium occurrences and several wells with greater than 6 ppb uranium are associated with this area. The area is underlain by late Paleozoic, Mesozoic, and early Cenozoic sediments as well as by middle Tertiary volcanics.
	N22459	Well	19.50	100	6.5	
	N22463	Well	26.00	125	6.5	
	N22475	Spring	4.51	320	6.6	
Western margin of Chupadera Mesa	N22579	Well	13.60	415	6.4	These anomalous well waters were collected in an area underlain by the Permian Yeso, Glorieta, and San Andres formations or Cenozoic sediments adjacent to these outcrops.
	N22580	Well	13.30	370	7.2	
	N22600	Well	12.80	363	7.0	
	N22605	Well	14.50	415	n.d.	
	N22622	Well	23.00	3000	7.0	
	N22632	Well	24.00	1700	7.7	

n.d. - No data.

However, the significance of these single high uranium values is difficult to access and only anomalous samples that occur in clusters are described.

One group of anomalous water samples, consisting of three wells, is from the southeastern flank of the Plains of San Agustin. These wells tap aquifers in the Cenozoic basin fill. The recharge zone for these aquifers is underlain by volcanic rocks of the Datil group. Specific conductance measurements and location of the well sites near the margins of the basin indicate that the ground water sampled by these wells is relatively fresh.

Another cluster of anomalous water samples is from the northern end of the Sierra Cuchillo uplift. This cluster consists of seven stream and two well-water samples. The area outlined by the anomalous stream samples is underlain by mafic to intermediate lava flows that are tentatively identified as a basal facies of the Datil group. The anomalous well waters in this cluster tap Cenozoic sediments in the Winston basin, adjacent to the northern end of the Sierra Cuchillo. Numerous subanomalous well waters with relatively high uranium concentrations are associated with the anomalous stream and well samples. The anomalous water samples from the northern end of the Sierra Cuchillo uplift are associated with a uranium vein shown on a uranium occurrence map compiled by Ellis (1973). In addition, a producing uranium mine is in Permian strata just south of this cluster.

A third group of anomalous water samples, consisting of water from two springs, is from the central part of the San Mateo uplift. The bedrock in this area is rhyolite of the Datil group (Beartrap Canyon formation?--see Deal and Rhodes, 1976, p. 55). Structurally, the springs are near the southern part of the ring fracture system surrounding the Mount Withington cauldron.

Four well-water samples that have anomalous uranium concentrations are from the south-central part of the Jornada del Muerto. The aquifers tapped by these wells are unknown, though a well at one location (N23182) has a reported depth of 120 feet. Water samples from other wells throughout this shallow syncline generally contain high uranium concentrations and have high specific conductances. The high specific conductances of ground water in the Jornada del Muerto indicate moderately brackish conditions and suggest that the relatively high uranium content of well waters throughout this basin may be due in part to the geochemistry of the brackish ground water sampled.

A fifth cluster of anomalous samples, consisting of three wells and one spring, is from an area in and around a small uplift in the northern part of the Jornada del Muerto. The bedrock in the uplift consists of intensively faulted late Paleozoic through early Tertiary strata as well as erosional remnants of volcanic rocks of the Datil group. Samples from several wells in the lowlands around the uplift have subanomalous uranium concentrations. There are two known bedded uranium occurrences associated with this cluster. Low specific conductance readings indicate relatively fresh ground waters were sampled. A single well sample from an isolated location west of the uplift (N22493), has a uranium value of 55.70 ppb.

A sixth cluster of anomalous water samples is from the western margin of Chupadera Mesa. These anomalous samples were collected from six wells in an area underlain by the Permian Yeso, Glorieta, and San Andres formations on Chupadera Mesa or by Cenozoic sediments on the eastern flank of the Jornada del Muerto. Several wells with subanomalous uranium concentrations are also associated with this anomaly cluster.

Uranium Concentrations in Sediment Samples

Stream, spring, and pond sediments were collected at a total of 1877 locations during this study. A summary of the statistical data for these sediments is presented in Table V. Note in Table V that the mean and standard deviation for spring sediments are recalculated because of an obvious positive bias in these values by a single sample with a very high uranium concentration (67.7 ppm). No samples were omitted in calculating the means and standard deviations for any other sample type or for sediments as a group.

Uranium concentrations in sediments as a group range from 0.2 to 67.7 ppm and have a mean of 3.2 ppm. Wet stream sediments have a slightly higher mean uranium content than do other sample types, whereas pond sediments have somewhat lower mean uranium concentrations. For the purposes of this discussion, the minor differences between the various sample types are considered insignificant and all sediments are treated as members of a single population.

The anomaly threshold for sediment samples was set at 7.2 ppm, or two standard deviations above the mean. Only those anomalous sediments occurring in clusters are discussed. Brief descriptions of four clusters of anomalous sediments are given below and in Table VI.

One group of anomalous samples, consisting of three dry stream sediments, is from the northern part of the Black Range. Several stream samples with subanomalous uranium concentrations are from locations near the anomalous sediment sites. The streams from which these samples were collected drain areas underlain by the Railroad Canyon and Indian Peaks rhyolites (see Fodor, 1976, Fig. 2) of the Datil group.

A second group of anomalous sediments is from the southern end of the Black Range. These samples, consisting of one spring and two wet stream sediments, were collected along the northeastern portion of the ring fracture system surrounding the Emory cauldron. Bedrock in the area consists of the Kneeling Nun. rhyolite tuff of the Datil group (Erickson and Wedow, 1976, Fig. 1).

TABLE V
SUMMARY OF URANIUM DATA FOR SEDIMENT SAMPLES,
TULAROSA QUADRANGLE, NEW MEXICO

<u>Sample Type</u>	<u>Sample Size</u>	<u>Range (ppm)</u>		<u>Mean (ppm)</u>	<u>Standard Deviation</u>
		<u>Min.</u>	<u>Max.</u>		
All Sediments	1877	0.2	67.7	3.2	2.0
Wet Streams	62	2.2	15.2	4.3	2.1
Dry Streams	1644	0.5	13.2	3.2	1.3
Springs	19	0.2	67.7	6.7	14.9
Springs ^a	18	0.2	5.6	3.3	1.4
Dry Natural Ponds	83	0.6	4.1	2.0	0.7
Wet Natural Ponds	4	0.5	3.5	Statistically insignificant	
Dry Artificial Ponds	58	1.7	3.9	2.5	0.4
Wet Artificial Ponds	7	2.1	5.3	Statistically insignificant	

^a Recalculated mean and standard deviation after dropping the highest uranium value.

TABLE VI

ANOMALOUS URANIUM CONCENTRATION CLUSTERS IN SEDIMENTS,
TULAROSA QUADRANGLE, NEW MEXICO

<u>Geographic Location</u>	<u>LASL Sample Location Number</u>	<u>Sample Type</u>	<u>Total Uranium (ppm)</u>	<u>Geology/Remarks</u>
Northern Black Range	N22216	Dry Stream	7.8	These sediments were collected in streams draining felsic volcanic rocks of the Datil group. Several samples with >5 ppm uranium also cluster in this area.
	N22228	Dry Stream	11.7	
	N22229	Dry Stream	9.5	
Southern Black Range	N22400	Spring	67.7	The sediments in this cluster are from drainages cutting Datil group rhyolites along the north-east margin of the Emory cauldron. Several samples with uranium concentrations >6 ppm were also collected in these drainages.
	N22438	Wet Stream	9.7	
	N22446	Wet Stream	8.7	
Central San Mateo Mountains	N22923	Wet Stream	15.2	These two sediments were collected from streams cutting felsic volcanic rocks of the Datil group on the southern margin of the Mt. Withington cauldron.
	N22924	Dry Stream	10.8	
San Andres and Oscura Mountains	N23574	Dry Stream	7.2	Most sediments in this group of samples are from locations which outline outcrops of Precambrian crystalline rocks in the San Andres and Oscura uplifts. The remaining anomalous sediments were derived from parts of the uplifts that consist chiefly of Paleozoic strata.
	N23582	Dry Stream	10.4	
	N23742	Dry Stream	11.2	
	N23755	Dry Stream	7.4	
	N23914	Dry Stream	7.8	
	N23919	Dry Stream	13.2	
	N23920	Dry Stream	9.0	
	N23922	Dry Stream	8.0	
	N23929	Dry Stream	9.4	
	N23930	Dry Stream	9.6	
	N23931	Dry Stream	7.7	
	N23939	Dry Stream	9.1	
	N23940	Dry Stream	8.9	
	N23943	Dry Stream	10.2	
	N23945	Dry Stream	12.1	
	N23953	Dry Stream	8.1	
	N23955	Dry Stream	9.2	

A third pair of anomalous samples, consisting of two stream sediments, were collected from the Water Canyon drainage in the central San Mateo Mountains. Another stream sediment, also from along Water Canyon (location N22921), has a uranium concentration of 5.7 ppm. The area drained by Water Canyon is underlain by the Beartrap Canyon (?) rhyolite of the Datil group, a moat and ring fracture deposit of the Mount Withington cauldron (Deal and Rhodes, 1976). A uranium-bearing vein is 6 to 8 km southeast of the anomalous sediment samples. Several other sediment samples containing high uranium concentrations (though below the arbitrary threshold value) are from locations in the vicinity of another uranium vein in the south-central San Mateo Mountains.

The largest group of anomalous samples, consisting of 17 dry stream sediments, is from locations along the fault scarp faces of the San Andres and Oscura Mountains. Most samples in this group were collected from streams draining outcrops of Precambrian crystalline rocks along the steep mountain fronts. A few samples in the group were taken from streams cutting highly faulted Paleozoic strata at the northern end of the San Andres Mountains.

V. SUMMARY AND CONCLUSIONS

A total of 338 water and 1877 sediment samples were collected at 2125 locations in the Tularosa NTMS quadrangle. Samples were collected at a nominal density of one per 10 km² over a 20 700 km² area. Water samples were collected from wells, streams, springs, and artificial ponds. Sediment samples were collected from streams, springs, natural and artificial ponds.

Well, stream, and spring waters are treated as separate populations because of the generally different hydrogeologic systems sampled by each of these water source types. Anomaly thresholds for each of these water sample types were arbitrarily chosen at two standard deviations above the mean. The clusters of anomalous water samples considered to be most significant are listed in Table IV. Most anomalous water samples are from sites in uplifts underlain by either volcanic rocks of the Datil group or sedimentary rocks of late Paleozoic and Mesozoic age. Other anomalous samples are from well waters that tap Cenozoic aquifers in the intermontane basins. High specific conductance readings suggest that some uniformly high uranium values associated with the ground waters in these basins may be due to the brackish nature of those waters. In those areas where the areal coverage of water sample locations was good, many known uranium occurrences can be associated with water samples that have high or anomalous uranium concentrations.

All sediment sample types are treated as a single population in this report. The sediment anomaly threshold is arbitrarily defined at two standard deviations above the mean. Descriptions of four clusters of anomalous sediments are summarized in Table VI. Three clusters are from drainages cutting felsic volcanic rocks of the Datil group; two of these clusters are near the margins of large volcanic cauldrons. Sediments in the fourth and largest group of anomalous samples were collected from streams draining outcrops of Precambrian crystalline rock along the steep fault-scarp faces of the San Andres and Oscura Mountains.

A more thorough evaluation of the data is needed to determine the significance of the high or "anomalous" samples described above, as well as the significance of those samples with uranium concentrations below the arbitrary anomaly threshold. Such a detailed evaluation is beyond the LASL's

charter and is left to the reader. However, experience at the LASL with HSSR data from other areas (e.g., Alaska) has shown that contouring of sample groups is particularly useful for evaluating the relationships between the uranium data and other environmental and geologic factors. In turn, these relationships can be used to identify new areas worthy of more detailed investigation.

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APPENDIX A

SUMMARY OF STANDARD LASL HSSR FIELD AND ANALYTICAL PROCEDURES

APPENDIX A

SUMMARY OF STANDARD LASL HSSR FIELD AND ANALYTICAL PROCEDURES

I. FIELD PROCEDURES

Water Sampling

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

Sediment Sampling (Wet or Dry)

Enough fine-grained, organic-rich, water-transported sediment to yield a composite sample of 25 g after processing (as indicated below) is taken from beneath the water level (where water exists) at three closely adjacent spots at each location. This is done with a polyethylene scoop, after the water sample (if any) is taken. The sediment is put into a new, clean, and originally sealed, rip-top polyethylene bag and properly double-labeled for delivery (with the field data form) to the contractor's drying facility. After drying at $\leq 100^\circ\text{C}$, each sample is sieved through stainless steel sieves to -100 mesh. The -100 mesh fraction is put into a prewashed, 25-ml polyethylene vial, appropriately double-labeled (using labels from the data form), and sealed for shipment to the LASL.

Field Measurements

The air temperature, taken in the shade at the time of sampling, is recorded to the nearest whole degree Celsius. The water temperature is measured in the source water and recorded to the nearest one-tenth degree Celsius. All temperature measurements are made with quality, precalibrated thermometers. The pH of the source water is measured with a calibrated, portable pH meter or multi-range pH paper, and recorded to the nearest one-tenth of a pH unit. The specific conductance ($\mu\text{mho/cm}$) 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, two NaF (98%)-LiF (2%) flux pellets are prepared and placed on platinum dishes. The 25-ml water vial is vigorously shaken and 0.20-ml aliquots of water are withdrawn and dropped onto the flux pellets. These aliquots are then evaporated under a heat lamp. The sample fluxes are then heated until fused. After they cool, they are excited with ultra-violet radiation in the fluorometer and the measured fluorescence of each is read, recorded, and put through a computer routine using standards and blanks run at the same time to obtain the two uranium concentrations. The single uranium concentration of the water samples given in the data listing is the average obtained from the duplicate aliquots. The lower limit of detection for each aliquot by the normal procedure is 0.2 ppb. Whenever the uranium concentration in a water sample run by fluorometry is given as some value less than 0.2 ppb, one of the two aliquots had a uranium concentration that was too low to detect. If the listed uranium value is 0.1 ppb, both aliquots were below the detectable limit. Analytical precision at the lower limit of detection is ~30%; however, it improves to ~10% one order of magnitude above the lower limit. The basic fluorometric method as used for uranium at the LASL is described in detail by Hues et al (1977).

Water Samples Analyzed for Uranium by Delayed-Neutron Counting

Only waters with >10 ppb uranium are normally assayed using DNC. The 41-ml rabbits are thoroughly cleaned (exterior) before analysis. Samples received in 25-ml vials (used exclusively in some of the early work) are transferred to clean, labeled, 41-ml rabbits before being analyzed. Each water sample is weighed, and its weight (less that of the rabbit) and location

number are recorded. The rabbits are then loaded into a 25-sample transfer clip. The reactor pneumatic transfer system and background radiation levels are checked, and the system is calibrated using four standards. The transfer clip is installed on the pneumatic feed line, and the count control is set (typically, a 60-s irradiation, a 30-s delay, and a 60-s count are used, but this can be changed to accommodate abnormally high or low uranium concentrations). The samples are cycled through the system and the uranium concentration is automatically measured, computed in ppb, and entered into the data base. Analytical precision for those few waters analyzed by the DNC method is as good or better than that by fluorometry.

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

Uranium Analysis of Sediment Samples

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

APPENDIX B

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS FOR WATER SAMPLES
FROM THE TULAROSA QUADRANGLE, NEW MEXICO

(see Appendix D for Code to Data Listings)

APPENDIX B. Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						LAST SAMPLE LOCATION NUMBER AND FIELD DATA																			U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAST SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS - SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLATION COUNT RATE (cps)	POC TYPE	POCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER TROB.	WATER LEVEL	WATER COLOR	STRAIN PLANKTON	VEGETATION TYPE	VEGETATION DENSITY	REFL.	WEATHERSHIP	CONTAMINANTS	ACEL TYPE	WELL DIAMETER INCHES	WELL DEPTH FEET	WATER DEPTH FEET	ANALYZED BY FLUOROMETRY OR DNC (*)	UNITS IN PPB
							DATE	HOUR																									
35-33,9197-107.3292-2-08-	n-N22005-07/18/76-11-	26-23.7-C-	-	8.4-	197-	17-1-7-	-	-	-	-	1-	3-3-4-1-	-	1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.48	
35-33,9633-107.4644-2-08-	n-N22006-07/18/76-12-	26-24.7-C-	-	9.2-	208-	26-1-7-	-	-	-	-	5-	3-3-4-1-	-	1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.58	
35-33,9061-107.3975-2-08-	n-N22008-07/18/76-13-	28-17.5-C-	-	7.3-	129-	19-1-7-	-	-	-	-	-	3-3-4-1-	-	1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30	
35-33,5467-107.3008-2-08-	n-N22012-07/18/76-19-	26-25.3-C-	-	7.2-	100-	21-1-7-	-	-	-	-	-	3-3-4-1-	-	1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.70*	
35-33,5686-107.2917-2-08-	n-N22014-04/02/76-10-	20-18.9-C-	-	8.0-	412-	-1-	-	-	-	-	-	4-2-2-1-	-	1-1-	6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	
35-33,0875-107.9247-2-07-	n-N22015-04/13/76-12-	16-12.2-	-	7.6-	95-	9-3-A-4-6-3-3-1-1-1-3-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.85	
35-33,0850-107.9239-2-07-	n-N22016-04/13/76-12-	16-12.1-	-	7.8-	108-	9-3-A-4-6-3-3-1-1-1-3-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.22	
35-33,0628-107.9603-2-07-	n-N22018-04/13/76-13-	18-16.1-	-	8.0-	104-	22-3-A-4-6-3-3-1-1-1-3-4-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33,0775-107.9364-2-08-	n-N22019-04/13/76-13-	18-13.4-	-	7.9-	150-	-3-A-	-	-	-	-	-	1-3-4-3-	-	1-1-	6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10
35-33,5725-107.2581-2-08-	n-N22026-07/18/76-20-	28-27.3-	-	7.7-	270-	19-1-7-	-	-	-	-	-	3-3-4-1-	-	1-3-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.53
35-33,9822-107.6289-2-08-	n-N22028-05/02/76- A-	12- 8.4-	-	9.0-	650-	-3-A-	-	-	-	-	-	4-3-3-1-	-	1-1-	A-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.30*
35-33,9844-107.6808-2-08-	n-N22031-05/02/76- B-	12- 7.8-	-	8.6-	510-	-3-A-	-	-	-	-	-	4-3-3-1-	-	1-1-	6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.35
35-33,9750-107.7333-2-08-	n-N22033-05/02/76- C-	12-11.8-	-	8.7-	290-	-3-A-	-	-	-	-	-	4-3-3-1-	-	1-1-	6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.35
35-33,9519-107.7656-2-08-	n-N22034-05/02/76- 9-	12-12.1-	-	9.2-	640-	-3-A-	-	-	-	-	-	4-3-3-1-	-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.00*
35-33,9567-107.7953-2-08-	n-N22035-05/02/76-10-	13-11.5-	-	9.4-	338-	-3-A-	-	-	-																								

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																	U CONCENTRATION											
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (rel. ppm)	ROCK TYPE	PICK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (n)	UNITS IN ppb
							DATE	HOUR																										
35-33	9111-107	6867-2-08	0-N22139	05/04/76	9	21-14.0	-	-	8.6	275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.98	
35-33	6369-107	6675-2-08	0-N22163	05/04/76	14	23-14.0	-	-	7.8	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33	6142-107	6564-2-08	0-N22164	05/04/76	14	22-14.0	-	-	7.8	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33	5997-107	6522-2-08	0-N22165	05/04/76	14	22-14.0	-	-	8.0	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33	5911-107	6322-2-08	0-N22166	05/04/76	15	20-14.0	-	-	7.8	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51	
35-33	6169-107	7003-2-08	0-N22169	05/04/76	16	20-14.0	-	-	7.8	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.69	
35-33	7908-107	5464-2-08	0-N22170	05/04/76	17	21-14.0	-	-	7.8	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33	7194-107	5103-2-08	0-N22179	05/05/76	12	9-12.0	-	-	7.5	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.79	
35-33	6967-107	5472-2-08	0-N22180	05/05/76	12	9-12.0	-	-	7.8	200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.88	
35-33	5853-107	6056-2-08	0-N22184	05/05/76	13	10-13.0	-	-	7.3	310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.10*	
35-33	6517-107	9875-2-08	0-N22201	05/04/76	17	10-11.4	-	-	9.6	290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.30*	
35-33	6483-107	8778-2-08	0-N22207	05/05/76	9	6-	-	-	8.6	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24	
35-33	5939-107	8792-2-10	0-N22211	05/05/76	13	6- 9.8	-	-	9.2	430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72	
35-33	5317-107	8953-2-07	0-N22219	05/05/76	12	7- 9.4	-	-	8.0	210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	
35-33	5225-107	9497-2-08	0-N22222	05/05/76	13	8- 8.6	-	-	10.2	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33	5100-107	9836-2-08	0-N22225	05/05/76	13	9- 8.8	-	-	8.4	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.63	
35-33	5603-107	9064-2-07	0-N22226	05/05/76	16	4- 7.3	-	-	8.0	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	
35-33	6561-107	6936-2-08	0-N22235	05/06/76	11	12- 8.4	-	-	8.7	188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.56	
35-33	5056-107	5331-2-07	0-N22245	05/05/76	15	18-22.0	-	-	7.2	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.03	
35-33	5306-107	5067-2-08	0-N22246	05/05/76	15	18-14.0	-	-	7.6	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.11	
35-33	5367-107	5183-2-08	0-N22247	05/05/76	15	18-14.0	-	-	7.6	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.04	
35-33	5317-107	5528-2-07	0-N22248	05/05/76	15	18-20.0	-	-	7.2	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.80	
35-33	5572-107	5306-2-07	0-N22249	05/05/76	15	18-22.0	-	-	7.4	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.13	
35-33	5583-107	5528-2-07	0-N22250	05/05/76	16	18-22.0	-	-	7.8	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.33	
35-33	5600-107	5542-2-07	0-N22251	05/05/76	16	18-22.0	-	-	7.6	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.36	
35-33	5678-107	5619-2-07	0-N22252	05/05/76	16	18-22.0	-	-	7.6	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.11	
35-33	5742-107	5931-2-07	0-N22253	05/05/76	16	18-22.0	-	-	7.2	600	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.41	
35-33	5733-107	6008-2-07	0-N22254	05/05/76	16	18-22.0	-	-	7.6	500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.86	
35-33	7356-107	3808-2-08	0-N22265	07/19/76	13	25-24.3	-	-	8.1	270	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33	7217-107	3153-2-08	0-N22268	07/19/76	15	25-16.7	-	-	7.4	165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.64	
35-33	5617-107	6514-2-08	0-N22269	05/08/76	8	16-12.0	-	-	7.6	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.00*	
35-33	5656-107	6806-2-08	0-N22270	05/08/76	8	16-12.0	-	-	7.4	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.50*	
35-33	5700-107	6958-2-08	0-N22271	05/08/76	8	16-12.0	-	-	7.2	275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.60*	
35-33	5272-107	6042-2-08	0-N22274	05/08/76	8	16-13.0	-	-	7.8	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.60*	
35-33	5192-107	6108-2-08	0-N22275	05/08/76	8	16-12.0	-	-	7.6	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.30*	
35-33	5294-107	6222-2-08	0-N22276	05/08/76	8	14-12.0	-	-	7.4	280	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.30*	
35-33	5292-107	6444-2-08	0-N22277	05/08/76	9	16-14.0	-	-	7.6	320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.10*	
35-33	5475-107	7389-2-08	0-N22280	05/08/76	10	16-14.0	-	-	7.6	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	
35-33	4581-107	5067-2-08	0-N22284	05/08/76	12	16-12.0	-	-	8.1	225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17	
35-33	5306-107	6728-2-08	0-N22288	05/08/76	13	16-12.0	-	-	8.2	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	
35-33	5203-107	6978-2-08	0-N22289	05/08/76	13	16-12.0	-	-	8.2	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.99	
35-33	5044-107	7286-2-08	0-N22290	05/08/76	13	16-12.0	-	-	8.1	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.54	
35-33	5250-107	7275-2-08	0-N22295	05/08/76	13	16-12.0	-	-	8.2	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.17	
35-33	5044-107	6725-2-08	0-N22296	05/08/76	13	16-13.0	-	-	7.8	310	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.30*	
35-33	4908-107	7653-2-08	0-N22298	05/08/76	15	20-14.0	-	-	7.6	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.39	
35-33	4931-107	7114-2-08	0-N22299	05/08/76	15	20-16.0	-	-	7.5	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72	
35-33	4897-107	7397-2-08	0-N22300	05/08/76	15	20-14.0	-	-	7.6	250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.99	
35-33	4367-107	7011-2-08	0-N22303	05/08/76	16	19-13.0	-	-	7.5	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32	
35-33	4300-107	69																																

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

DOE SAMPLE NUMBER					LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION					
-STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (eu, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (N) UNITS IN ppb
							DATE	HOUR																										
35-33	3503-107.6908-2-08-	0-N2236-05/10/76-12-	24-	-	-	7.6-	430-	-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.01	
35-33	3367-107.7561-2-08-	0-N22309-05/10/76-12-	23-	-	-	8.9-	303-	-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.87	
35-33	2581-107.6764-2-06-	0-N22311-05/10/76-14-	23-13.1-	-	-	8.1-	510-	9-3-6-4-6-2-2-1-2-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90		
35-33	1806-107.7258-2-06-	0-N22313-05/10/76-16-	22-14.3-	-	-	8.2-	460-	16-3-7-4-6-1-2-1-2-1-2-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	
35-33	1992-107.7383-2-08-	0-N22314-05/10/76-16-	22-12.8-	-	-	8.4-	685-	-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.21	
35-33	2042-107.7089-2-08-	0-N22315-05/10/76-14-	22-11.8-	-	-	8.2-	410-	-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.64	
35-33	7244-107.2944-2-08-	0-N22323-07/19/76-16-	25-18.0-	-	-	7.2-	130-	26-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20	
35-33	8000-107.3603-2-08-	0-N22327-07/20/76-11-	25-24.3-C-	-	-	8.6-	320-	19-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	
35-33	8194-107.3286-2-08-	0-N22328-07/20/76-12-	26-25.3-C-	-	-	8.3-	240-	17-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.99	
35-33	8225-107.3567-2-08-	0-N22329-07/20/76-11-	25-23.7-C-	-	-	7.4-	190-	17-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.93	
35-33	4572-107.6744-2-08-	0-N22331-05/09/76-7-	18-11.0-	-	-	7.7-	200-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.48	
35-33	4792-107.7556-2-08-	0-N22333-05/09/76-8-	18-16.0-	-	-	7.4-	420-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	
35-33	4647-107.7803-2-07-	0-N22336-05/09/76-9-	19-16.0-	-	-	7.4-	400-	13-1-6-4-6-2-3-1-2-1-3-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.65	
35-33	4706-107.7967-2-07-	0-N22337-05/09/76-9-	19-16.0-	-	-	7.2-	380-	8-1-6-4-6-2-3-1-2-1-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.87	
35-33	4733-107.7994-2-07-	0-N22338-05/09/76-9-	19-16.0-	-	-	7.8-	420-	13-1-6-4-6-2-3-1-2-1-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.67	
35-33	4636-107.8103-2-08-	0-N22339-05/09/76-10-	20-16.0-	-	-	7.2-	600-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.49	
35-33	4358-107.7928-2-08-	0-N22340-05/09/76-10-	20-16.0-	-	-	7.9-	580-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.36	
35-33	4603-107.8333-2-08-	0-N22342-05/09/76-12-	20-16.0-	-	-	7.8-	480-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.49	
35-33	3689-107.8222-2-07-	0-N22350-05/09/76-14-	22-16.0-	-	-	7.8-	310-	8-1-6-4-6-2-3-1-2-1-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.49	
35-33	3617-107.8211-2-07-	0-N22351-05/09/76-14-	22-16.0-	-	-	7.6-	340-	4-1-6-4-6-2-3-1-2-1-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	
35-33	3400-107.8508-2-07-	0-N22352-05/09/76-14-	22-16.0-	-	-	7.6-	320-	4-1-6-4-6-2-3-1-2-1-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20	
35-33	3378-107.9542-2-07-	0-N22353-05/09/76-15-	22-16.0-	-	-	7.7-	215-	13-2-7-4-6-2-3-1-2-1-3-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54	
35-33	3411-107.9514-2-07-	0-N22354-05/09/76-15-	23-16.0-	-	-	7.6-	280-	17-2-7-4-6-2-3-1-2-1-3-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33	3472-107.9481-2-07-	0-N22355-05/09/76-16-	22-16.0-	-	-	7.6-	270-	17-2-7-4-6-2-3-1-2-1-3-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20	
35-33	3167-107.8561-2-07-	0-N22356-05/09/76-17-	22-18.0-	-	-	7.2-	400-	13-2-7-4-6-2-3-1-2-1-3-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33	3264-107.8767-2-07-	0-N22357-05/09/76-17-	22-18.0-	-	-	7.0-	380-	8-2-7-4-6-2-3-1-2-1-3-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	
35-33	3242-107.8833-2-07-	0-N22358-05/09/76-17-	22-16.0-	-	-	7.4-	280-	4-2-7-4-6-2-3-1-2-1-3-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18	
35-33	3719-107.9181-2-07-	0-N22359-05/09/76-17-	23-16.0-	-	-	7.8-	130-	26-1-6-4-6-2-3-1-2-1-3-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
35-33	3978-107.8956-2-07-	0-N22360-05/09/76-10-	23-16.0-	-	-	8.4-	85-	34-2-6-4-6-2-3-1-2-1-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	
35-33	4306-107.6606-2-08-	0-N22361-05/10/76-13-	22-18.0-	-	-	8.0-	285-	-2-1-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.28
35-33	3981-107.6753-2-08-	0-N22362-05/10/76-13-	22-18.0-	-	-	7.2-	280-	-2-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14
35-33	3742-107.6731-2-08-	0-N22363-05/10/76-14-	22-18.0-	-	-	7.2-	270-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.93
35-33	3914-107.6911-2-08-	0-N22364-05/10/76-14-	22-18.0-	-	-	8.3-	275-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01
35-33	4075-107.7114-2-08-	0-N22365-05/10/76-15-	22-18.0-	-	-	7.8-	440-	-2-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.90
35-33	4250-107.7336-2-07-	0-N22366-05/10/76-15-	22-18.0-	-	-	7.6-	460-	17-2-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.29
35-33	4322-107.7611-2-08-	0-N22367-05/10/76-15-	22-18.0-	-	-	7.4-	300-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.49
35-33	3700-107.6928-2-08-	0-N22368-05/10/76-15-	22-18.0-	-	-	8.2-	350-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39
35-33	3842-107.7236-2-08-	0-N22369-05/10/76-16-	22-18.0-	-	-	8.3-	350-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60
35-33	4039-107.6250-2-08-	0-N22373-05/10/76-17-	22-18.0-	-	-	8.0-	290-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47
35-33	3542-107.6561-2-08-	0-N22375-05/10/76-17-	22-17.0-	-	-	7.8-	340-	-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27
35-33	3619-107.5800-2-08-	0-N22376-05/10/76-18-	20-17.0-	-	-	7.8-	700-	-2-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.51
35-33	3561-107.5175-2-08-	0-N22377-05/12/76-8-	23-18.0-	-	-	6.6-	770-	-2-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.44
35-33	1494-107.7614-2-08-	0-N22379-05/12/76-10-	24-18.0-	-	-	7.8-	320-	-2-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10
35-33	1122-107.7600-2-08-	0-N22383-05/12/76-11-	24-18.0-	-	-	7.8-	280-	-2-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10
35-33	0939-107.7739-2-07-	0-N22384-05/12/76-12-	25-17.0-	-	-	6.8-																												

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

DOE SAMPLE NUMBER				LAS. SAMPLE LOCATION NUMBER AND FIELD DATA																U CONCENTRATION														
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAS. SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOREMETRY OR DDC (u) UNITS IN ppb
35-33	0339-107	8300-2-07-				0-N2399-06/09/76-14	25-13-6-C		7.9-R					85-	12-3-7-3-7-4-3-1-2-2-4-5-2-																		0.41	
35-33	0136-107	7950-2-06-				0-N2240-06/10/76-13	24-14-8-C		8.0-					15-	11-3-6-6-6-2-2-1-1-3-5-2-																	1.00		
35-33	0061-107	8050-2-07-				0-N2240-06/10/76-15	23-13-5-C		7.5-					90-	15-3-4-3-6-4-3-1-2-1-3-5-1-																	0.22		
35-33	0047-107	8042-2-07-				0-N2240-06/10/76-15	24-14-8-C		7.5-					10-	10-3-4-3-6-4-3-1-2-1-3-5-1-																	0.10		
35-33	0497-107	7800-2-07-				0-N2240-06/11/76-13	21-14-0-C		7.5-					15-	15-3-4-2-6-3-3-1-2-2-4-4-1-																	0.10		
35-33	0439-107	7586-2-07-				0-N2240-06/11/76-13	24-16-5-		7.3-					170-	17-3-4-4-6-3-3-1-2-2-4-4-1-																	0.10		
35-33	0444-107	7581-2-07-				0-N2240-06/11/76-13	24-15-0-		7.4-					180-	12-3-4-4-6-3-3-1-2-2-4-4-1-																	0.10		
35-33	0528-107	7564-2-07-				0-N2240-06/11/76-15	24-18-0-C		7.3-					105-	12-3-4-4-6-3-3-1-2-2-4-4-1-																	0.10		
35-33	0375-107	7969-2-07-				0-N2240-06/12/76-9	18-10-5-		7.7-					160-	21-3-1-3-1-4-3-1-2-1-4-5-1-																	0.10		
35-33	0381-107	8944-2-07-				0-N23410-06/13/76-13	26-17-0-C		7.4-					15-	10-3-7-4-6-3-3-1-2-2-4-5-1-																	0.10		
35-33	0244-107	6975-2-07-				0-N22412-05/10/76-16	23-10-0-		8.2-					128-	23-3-7-3-7-2-2-1-2-1-3-4-2-																	0.65		
35-33	0297-107	7297-2-07-				0-N22413-05/10/76-16	22-11-1-		8.4-					220-	23-3-7-3-7-2-2-1-2-1-3-4-2-																	0.23		
35-33	0372-107	8939-2-07-				0-N22419-06/13/76-17	23-13-6-		8.3-					445-	10-3-7-4-6-3-3-1-2-1-3-4-2-																	0.56		
35-33	0186-107	9814-2-07-				0-N22421-06/11/76-7	18-12-5-		7.5-					110-	8-3-7-3-6-2-3-1-2-1-3-4-1-																	0.27		
35-33	0169-107	9119-2-07-				0-N23422-06/11/76-12	24-15-5-C		7.2-					92-	14-3-7-3-6-3-3-1-2-1-3-4-1-																	0.10		
35-33	0163-107	8756-2-07-				0-N22424-06/11/76-13	24-20-5-		8.2-					139-	9-3-7-4-6-3-3-1-2-1-3-4-1-																	0.27		
35-33	0172-107	8761-2-07-				0-N22425-06/11/76-13	24-31-0-C		6.8-					98-	11-3-7-4-6-3-3-1-2-1-3-4-1-																	0.10		
35-33	0156-107	9589-2-07-				0-N22426-06/11/76-15	25-22-5-		8.1-					140-	5-3-7-4-6-3-3-1-2-1-3-4-1-																	0.10		
35-33	01256-107	9528-2-07-				0-N22431-06/11/76-17	24-15-2-C		7.4-					245-	12-3-7-4-6-3-3-1-2-1-3-4-1-																	0.16		
35-33	0139-107	8022-2-07-				0-N22433-06/11/76-10	27-18-0-		7.2-					190-	12-3-7-4-6-3-3-1-2-1-3-4-1-																	0.32		
35-33	0191-107	7961-2-07-				0-N22438-06/13/76-14	24-19-0-C		7.1-					190-	11-3-4-4-6-3-3-1-2-1-3-4-1-																	0.10		
35-33	01064-107	8044-2-07-				0-N22439-06/15/76-15	24-18-0-C		7.3-					200-	11-3-4-4-6-3-3-1-2-1-3-4-1-																	0.10		
35-33	01072-107	8039-2-07-				0-N22440-06/15/76-15	24-19-5-		7.3-					199-	8-3-4-4-6-3-3-1-2-1-3-4-1-																	0.10		
35-33	0844-106	8500-2-08-				0-N22448-02/12/77-9	7-14-9-C		6.4-					470-	1-1-1-1-4-4-1-3-3-2-1-																	4.34		
35-33	0000-106	7253-2-08-				0-N22454-02/12/77-13	17-19-5-C		6.1-					470-	1-1-1-1-4-4-1-3-3-2-1-																	6.00*		
35-33	0047-106	7117-2-08-				0-N22456-02/12/77-14	15-17-0-		6.9-					242-	8-1-1-4-6-4-3-1-3-3-3-1-																	17.00*		
35-33	0042-106	7019-2-08-				0-N22459-02/12/77-16	16-16-8-		6.5-					160-	12-1-4-4-6-4-3-1-3-3-4-1-																	19.10*		
35-33	0043-106	7053-2-08-				0-N22463-02/12/77-17	10-8-0-		6.5-					155-	1-1-4-4-6-4-2-3-3-3-3-1-																	26.10*		
35-33	0094-106	5589-2-08-				0-N22470-02/13/77-11	13-15-0-C		7.4-					480-	12-1-4-4-6-4-2-3-3-3-3-1-																	0.20*		
35-33	0653-106	5586-2-08-				0-N22473-02/13/77-13	14-15-0-C		6.3-					315-	9-1-1-1-4-6-4-3-1-3-3-3-1-																	9.48		
35-33	0772-106	5664-2-08-				0-N22474-02/13/77-14	15-8-1-C		6.5-					370-	9-1-1-1-4-6-4-3-1-3-3-3-1-																	4.51		
35-33	0975-106	6381-2-08-				0-N22475-02/13/77-14	16-16-9-C		6.6-					300-	4-1-1-4-1-3-3-1-4-3-3-1-																	12.60*		
35-33	0894-106	6269-2-08-				0-N22477-02/13/77-15	16-22-9-C		6.8-					420-	15-1-4-4-6-4-2-3-3-3-1-																	1.40		
35-33	0800-106	6314-2-08-				0-N22479-02/13/77-16	16-15-1-C		6.8-					420-	15-1-4-4-6-4-2-3-3-3-1-																	0.10*		
35-33	0917-106	6794-2-08-				0-N22490-03/05/77-10	7-4-3-		7.2-					700-	11-1-4-4-6-4-2-3-3-3-1-																	3.68		
35-33	0860-106	6489-2-10-				0-N22491-03/16/77-15	22-10-9-C		8.2-					218-	9-4-4-6-3-3-2-3-3-2-2-1-																	55.70*		
35-33	0903-107	0708-2-06-				0-N22493-03/16/77-15	22-10-9-C		8.2-					218-	9-4-4-6-3-3-2-3-3-2-2-1-																	2.44		
35-33	0869-107	0947-2-07-				0-N22526-02/20/77-9	15-17-2-C		6.5-					145-	40-1-6-5-6-2-3-1-1-5-4-2-																	0.53		
35-33	0934-106	7939-2-08-				0-N22528-02/20/77-10	17-15-0-C		6.7-					86-	30-3-6-4-6-3-3-1-2-3-3-3-1-																	5.21		
35-33	0717-106	6794-2-08-				0-N22547-03/16/77-17	20-25-2-		6.8-					130-	10-4-6-4-6-3-3-1-3-3-3-3-1-																	6.86		
35-33	0711-106	7408-2-08-				0-N22549-03/17/77-8	9-18-6-		7.2-					130-	9-4-6-4-6-3-3-1-3-3-3-3-1-																	11.70*		
35-33	0494-106	7386-2-08-				0-N22555-03/17/77-9	18-13-4-		7.2-					220-	8-4-4-6-4-4-1-3-3-3-1-1-																	2.90		
35-33	0494-106	7428-2-10-				0-N22557-03/17/77-11	18-13-4-		8.1-					63-	11-1-4-6-4-1-2-2-1-3-3-1-1-																	3.60		
35-33	0800-106	6083-2-08-				0-N22563-03/17/77-13	18-11-1-C		7.0-					146-	12-4-4-6-3-3-1-3-3-1-1-																	2.00		
35-33	0678-106	5869-2-08-				0-N22564-03/17/77-13	17-12-9-C		7.2-					470-	9-4-4-6-3-3-1-3-3-1-1-																	6.60*		
35-33	0517-106	5847-2-08-				0-N22565-03/17/77-13	18-16-1-		7.2-					470-	9-4-4-6-3-3-1-3-3-1-1-																	6.60*		
35-33	0672-106	5717-2-08-				0-N22566-03/17/77-14	17-16-0-C		7.2-					470-	10-4-4-6-3-3-1-3-3-1-1-																	9.13		
35-33	0617-106	5617-2-08-				0-N22567-03/17/77-14	18-13-9-C		7.9-					445-	5-1-4-4-4-2-3-1-3-3-1-1-																			

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

DOE SAMPLE NUMBER				LASE SAMPLE LOCATION NUMBER AND FIELD DATA				U CONCENTRATION																									
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASE SAMPLE LOCATION NUMBER	DATE		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILOMETER (cpm)	ROCK TYPE	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	RELIEF	WEATHER	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DDC (4)	UNITS IN PPB	
							TIME SAMPLED	TIME SAMPLED																									
35-33	90222-106.5631-2-08-					0-N22569-02/17/77-14-	16-15.2-	7.1-	375-	12-1-6-4-6-3-4-1-	3-3-1-1-	1-1-	6-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	1.64	
35-33	9344-106.5750-2-08-					0-N22571-03/17/77-15-	18-17.1-	7.1-	510-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	10.35	
35-33	9094-106.3489-2-08-					0-N22574-04/02/77-8-	6-15.7-C-	6.5-	418-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	4.99	
35-33	9061-106.3825-2-08-					0-N22575-04/02/77-8-	6-15.2-C-	6.7-	399-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	11.40*	
35-33	9431-106.3903-2-08-					0-N22577-04/02/77-10-	9-17.0-C-	6.4-	415-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13.40*	
35-33	9631-106.3814-2-08-					0-N22580-04/02/77-10-	15-17.2-C-	7.2-	370-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	10-1-4-	13.30*	
35-33	9719-106.4017-2-08-					0-N22582-04/02/77-11-	17-0-C-	6.7-	340-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	1.06	
35-33	9797-106.4258-2-08-					0-N22584-04/02/77-12-	15-16.9-C-	7.0-	355-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7.44	
35-33	9842-106.4444-2-08-					0-N22585-04/02/77-12-	15-19.4-	6.6-	350-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	10.40*	
35-33	9447-106.4984-2-08-					0-N22586-04/02/77-13-	15-14.9-	6.8-	350-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	10.02	
35-33	9617-106.5039-2-08-					0-N22589-04/02/77-13-	16-16.0-C-	6.8-	348-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	12-4-9-	4.60*
35-33	9847-106.4664-2-08-					0-N22591-04/02/77-14-	15-18.2-	6.8-	355-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	13-4-9-	1.39
35-33	9506-106.4183-2-08-					0-N22593-04/02/77-14-	16-16.9-	6.6-	355-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	4.41	
35-33	9828-106.3467-2-08-					0-N22597-04/02/77-15-	15-19.1-	6.4-	355-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	5.94	
35-33	9650-106.3553-2-08-					0-N22598-04/02/77-17-	12-11.0-C-	9.1-	345-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	11.10*	
35-33	9533-106.3175-2-08-					0-N22600-04/03/77-10-	7-9.4-C-	7.0-	343-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	11-1-4-	12.80*	
35-33	9631-106.2853-2-08-					0-N22603-04/03/77-14-	11-14.5-	6.6-	370-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	5-1-4-	4.50	
35-33	9700-106.2614-2-10-					0-N22605-04/03/77-14-	7-10.9-C-	7.3-	415-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	16-1-1-	7.70*	
35-33	8422-106.3844-2-08-					0-N22613-04/03/77-16-	3-13.8-C-	6.5-	450-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	9-1-4-	12.90*	
35-33	8625-106.4583-2-08-					0-N22616-09/07/77-8-	20-14.2-C-	7.1-	3300-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	12-1-4-	0.47	
35-33	8236-106.4378-2-08-					0-N22617-04/09/77-8-	23-19.1-C-	6.7-	4100-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	7-1-4-	4.73	
35-33	8619-106.3039-2-08-					0-N22622-04/09/77-10-	25-19.9-	7.0-	3000-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	4-1-7-	11.50*	
35-33	9369-106.2675-2-08-					0-N22625-04/09/77-12-	23-17.1-	6.7-	3150-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	7-1-7-	23.00*	
35-33	8744-106.2689-2-08-					0-N22627-04/09/77-12-	23-19.7-	6.9-	3500-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	8-1-1-	7.70*	
35-33	8705-106.2744-2-08-					0-N22632-04/09/77-14-	23-14.3-C-	7.7-	1700-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	11-1-1-	10.50*
35-33	8131-106.1900-2-10-					0-N22640-04/10/77-9-	19-13.5-C-	9.1-	205-	13-1-4-5-6-1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	1-2-3-1-	24.00*
35-33	8192-106.1981-2-10-					0-N22642-04/10/77-12-	21-8.9-C-	6.9-	2950-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	6-1-4-	0.10
35-33	8453-106.0783-2-10-					0-N22647-04/10/77-12-	25-18.0-C-	6.9-	3450-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	13-1-4-	2.94
35-33	8044-106.4032-2-08-					0-N22651-04/10/77-13-	27-17.9-	8.6-	350-	11-1-4-6-1-3-6-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	3-2-1-	5.15	
35-33	7686-106.4062-2-08-					0-N22654-04/10/77-14-	24-	5.2-	2550-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	8-3-8-	0.10	
35-33	9086-106.1856-2-08-					0-N22657-04/10/77-16-	18-19.0-	4.4-	3200-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	8-1-4-	7.70*	
35-33	9503-106.1861-2-08-					0-N22661-04/15/77-8-	15-9.2-	7.1-	3100-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	3-1-4-	8.45	
35-33	9275-106.1297-2-08-					0-N22664-04/15/77-9-	12-15																										

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

DOE SAMPLE NUMBER			LAST SAMPLE LOCATION NUMBER AND FIELD DATA										U CONCENTRATION																		
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAST SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (cpm)	ROCK TYPE	SOIL COLOR	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	VEGETATION DENSITY	VEGETATION TYPE	RELIEF	WEATHER	OWNERSHIP	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DINC (4) UNITS IN ppb
							DATE	HOUR																							
35-33	8225-107	3567-2-08				0-N22794-03/17/77-10	03/17/77	10	15-12.3	-	-	7.5	350	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12
35-33	8003-107	3600-2-08				0-N22795-03/17/77-11	03/17/77	11	15-8.3	-	-	7.3	350	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12
35-33	8250-107	1697-2-08				0-N22824-03/18/77-11	03/18/77	11	17-16.3	C	-	6.4	450	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.15
35-33	8069-107	0172-2-08				0-N22844-03/17/77-11	03/17/77	11	25-10.0	-	-	8.1	238	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.25
35-33	8211-107	0019-2-06				0-N22842-03/17/77-12	03/17/77	12	25	-	-	8.3	236	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.79
35-33	8728-107	0900-2-06				0-N22844-03/17/77-11	03/17/77	11	26-15.5	-	-	7.8	265	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.13
35-33	8874-107	1167-2-06				0-N22852-03/17/76-15	03/17/76	15	25-10.0	-	-	7.5	265	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11
35-33	5686-107	3208-2-06				0-N22889-03/18/77-10	03/18/77	10	23	-	-	7.0	90	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10
35-33	7447-107	4553-2-06				0-N22913-06/30/77-10	06/30/77	10	33-16.5	-	-	6.7	210	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10
35-33	7458-107	4742-2-06				0-N22913-06/30/77-13	06/30/77	13	33-21.5	C	-	6.7	475	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24
35-33	7356-107	3808-2-07				0-N22920-06/30/77-14	06/30/77	14	34-19.5	-	-	7.1	420	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41
35-33	7253-107	4853-2-07				0-N22920-06/30/77-14	06/30/77	14	34-19.5	-	-	7.1	420	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41
35-33	7356-107	4628-2-06				0-N22930-07/02/77-10	07/02/77	10	28-23.9	-	-	7.5	190	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54
35-33	4508-107	2882-2-08				0-N22930-07/02/77-11	07/02/77	11	28-23.9	-	-	6.8																			

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																												U CONCENTRATION
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/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 ANALYZED BY FLUOROMETRY OR DNC (n) UNITS IN ppb
							DATE	HOUR																										
35-33	4753-107.0581-2-08-	0-N23528-07/29/77-20-	30-22.9-C-	6.6	1150-	7-3-A-	-4-3-1-	-3-3-2-2-	-1-2-	4-	-	-	-	7.09																				
35-33	5647-106.9483-2-08-	0-N23549-07/30/77-10-	36-19.5-C-	8.4	4550-	11-3-A-	-1-3-2-	-3-2-3-1-	-9-1-	3-	-	-	-	3.05																				
35-33	6022-106.9047-2-08-	0-N23552-07/30/77-11-	37-19.4-C-	7.1	4700-	6-3-B-	-2-3-1-	-3-2-3-2-	-1-1-	4-	-	-	-	8.75																				
35-33	5836-106.7858-2-08-	0-N23561-07/30/77-13-	40-27.0-C-	7.1	3400-	9-3-A-	-3-3-1-	-2-2-2-1-	-9-3-	6-180-150-	-	-	-	11.60																				
35-33	6178-106.7506-2-08-	0-N23570-07/30/77-15-	42-27.5-C-	8.4	3300-	9-3-A-	-	-	-3-3-2-2-	-9-1-	3-280-	-	-	7.98																				
35-33	1192-106.3908-2-07-	0-N23780-06/01/77-5-	35-29.2-C-	9.1	11000-	13-1-7-5-1-	-	-1-3-2-1-	-1-	-	-	-	-	15.10																				
35-33	0558-106.1594-2-06-	0-N23806-06/04/77-2-	30-	7.1	3100-	4-1-A-	-3-4-2-	-3-3-1-2-	-	-	-	-	-	3.06																				
35-33	2767-106.3975-2-07-	0-N23852-06/10/77-2-	33-	7.8	10000-	9-1-6-6-6-3-3-1-1-	-3-3-1-1-	-	-	-	-	-	-	37.70																				
35-33	2872-106.3083-2-06-	0-N23865-06/10/77-3-	36-15.2-	6.5	9000-	2-1-6-5-1-	-	-3-3-1-1-	-	-	-	-	-	5.11																				
35-33	4222-106.2839-2-06-	0-N23870-06/10/77-5-	37-24.9-	7.4	7000-	1-1-6-5-6-	-	-3-3-1-1-	-	-	-	-	-	3.68																				
35-33	5178-106.1008-2-08-	0-N23966-06/13/77-15-	33-24.9-C-	6.2	-	-1-9-7-	-2-3-1-	-3-3-2-1-	-1-	-	-290-	-	-	4.99																				
35-33	4867-106.0800-2-08-	0-N23985-06/14/77-10-	31-21.2-	7.0	3350-	13-1-6-5-6-	-	-3-3-1-1-	-	-2-	4-	-	-	1.45																				
35-33	4844-106.1000-2-06-	0-N23986-06/14/77-10-	32-20.0-	7.1	3150-	13-1-6-5-6-3-4-1-	-3-3-1-1-	-3-	-	-	-	-	-	0.95																				
35-33	4867-106.0283-2-06-	0-N23987-06/14/77-11-	29-22.5-	7.6	2425-	5-1-6-5-6-3-3-1-	-3-3-1-1-	-	-	-	-	-	-	0.76																				
35-33	4892-106.0244-2-06-	0-N23988-06/14/77-12-	29-17.0-C-	7.2	1900-	16-1-6-5-6-2-2-1-	-3-3-3-1-	-	-	-	-	-	-	9.10																				
35-33	4925-106.0189-2-08-	0-N23989-06/14/77-12-	32-20.0-	7.2	1850-	11-1-6-5-6-3-4-1-	-3-3-1-1-	-	-	-	-	-	-	1.13																				
35-33	4747-106.0608-2-08-	0-N23990-06/14/77-1-	32-20.0-	7.3	2900-	11-1-6-5-6-3-3-1-	-3-3-1-1-	-	-	-	-350-	-	-	1.06																				
35-33	4294-106.0839-2-08-	0-N23994-06/14/77-4-	34-21.0-	7.5	3050-	3-1-6-4-6-	-	-3-3-1-1-	-	-	6-	-	-	1.55																				
35-33	3764-106.0556-2-08-	0-N24004-06/19/77-1-	37-28.0-C-	2.0	5000-	11-3-7-4-6-2-2-2-	-3-3-1-1-	-	-	-	-	-	-	9.81																				
35-33	7228-106.0892-2-06-	0-N24016-06/20/77-10-	30-21.9-	6.5	1100-	22-3-1-5-6-1-2-3-	-3-2-1-3-	-	-	-	-	-	-	1.40																				
35-33	7011-106.0811-2-08-	0-N24074-06/20/77-10-	31-20.5-	6.3	4900-	29-3-1-5-6-3-2-1-	-3-2-1-3-	-1-3-	8-	-	-	-	-	2.57																				
35-33	6325-106.0103-2-08-	0-N24090-06/20/77-13-	32-28.8-	6.5	3250-	11-1-1-	-3-3-1-	-3-3-2-3-	-1-2-	5-342-100-	-	-	-	3.08																				
35-33	5897-106.0339-2-08-	0-N24098-06/20/77-15-	32-20.1-	6.2	4800-	7-3-7-5-6-	-	-3-3-1-3-	-	-	-	-	-	6.21																				
35-33	5825-106.0239-2-08-	0-N24099-06/21/77-8-	30-23.9-	7.8	2400-	36-1-1-	-4-3-1-	-3-3-2-2-	-1-3-	5-	60-	10-	-	3.95																				
35-33	5831-106.0050-2-08-	0-N24100-06/21/77-8-	30-17.9-	7.6	2300-	108-1-1-	-2-3-2-	-3-3-2-2-	-1-1-	4-	-	-	-	4.39																				
35-33	5333-106.0525-2-08-	0-N24108-06/21/77-11-	34-17.0-C-	6.9	4200-	41-1-1-	-4-2-6-	-3-3-2-2-	-9-1-	8-	-	-	-	6.48																				
35-33	1031-106.0142-2-08-	0-N24112-06/21/77-13-	35-22.9-	7.2	2300-	127-1-1-	-4-4-1-	-4-4-2-2-	-1-	-	-	-	-	4.84																				
35-33	1467-106.0331-2-08-	0-N24115-06/21/77-14-	35-24.2-	7.3	2400-	50-1-6-4-6-	-	-3-3-2-2-	-1-	-	-	-	-	2.53																				
35-33	2100-106.0242-2-08-	0-N24120-06/21/77-15-	36-23.1-	7.2	2700-	52-1-1-	-4-3-1-	-3-3-3-2-	-1-3-	6-320-270-	-	-	-	2.90																				
35-33	1086-106.0711-2-08-	0-N24125-06/21/77-17-	34-22.1-	7.6	2350-	22-1-A-	-4-4-1-	-4-4-2-2-	-1-6-	-	-	-	-	3.97																				
35-33	0758-106.0875-2-08-	0-N24127-06/21/77-18-	30-24.6-C-	7.6	2725-	63-1-1-	-3-4-1-	-3-3-2-3-	-1-3-	-	-	-	-	3.35																				
35-33	0239-106.0256-2-08-	0-N24131-06/21/77-19-	28-21.9-C-	7.4	3250-	45-1-A-	-3-3-1-	-3-3-2-3-	-1-6-	-	-	-	-	2.78																				

APPENDIX C

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS FOR SEDIMENT SAMPLES
FROM THE TULAROSA QUADRANGLE, NEW MEXICO

(see Appendix D for Code to Data Listings)

APPENDIX C. Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																	U CONCENTRATION											
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (cpm)	ROCK TYPE	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm	
							DATE	HOUR																										
35-33,7619-107,3057-2-15-						0-N22001-07/19/75-10-	26-									23-1-7-3-6-1-1-	2-3-3-4-1-1-																4.10	
35-33,2889-107,7253-2-15-						0-N22002-05/15/75-9-	24-									19-1-6-3-6-	3-2-3-1-1-																3.40	
35-33,2958-107,8256-2-15-						0-N22003-05/15/75-11-	24-									17-1-6-3-6-	1-4-4-1-1-																3.30	
35-33,3333-107,6219-2-15-						0-N22004-05/15/75-13-	24-									4-1-6-3-6-	1-4-4-1-1-																3.10	
35-33,9488-107,4489-2-15-						0-N22007-07/18/75-12-	26-									17-1-7-4-6-1-1-	2-3-3-4-1-1-																2.00	
35-33,9094-107,3969-2-11-						0-N22009-07/18/75-13-	28-									17-1-7-4-6-1-	3-3-4-1-1-																1.00	
35-33,5125-107,3214-2-11-						0-N22010-07/18/75-18-	25-									23-1-7-4-6-1-	3-3-4-1-1-																4.30	
35-33,5672-107,3239-2-11-						0-N22011-07/18/75-19-	25-									17-1-7-4-6-1-	3-3-4-1-1-																4.40	
35-33,5569-107,3061-2-15-						0-N22013-07/18/75-19-	24-									19-1-7-3-6-1-1-	2-3-3-4-1-1-																2.30	
35-33,5686-107,2917-2-11-						0-N22014-07/18/75-20-	26-									26-1-	4-2-2-1-1-																	4.90
35-33,0875-107,9247-2-12-						0-N22015-04/13/75-12-	16-12.2-						7.6-	95-		0-3-6-4-6-3-3-1-1-1-3-4-2-	1-1-3-4-2-																2.20	
35-33,0850-107,9239-2-12-						0-N22016-04/13/75-12-	16-12.1-						7.8-	109-		0-3-6-4-6-3-3-1-1-1-3-4-2-	1-1-3-4-2-																2.00	
35-33,0836-107,9586-2-15-						0-N22017-04/13/75-13-	18-									18-3-6-4-6-	1-3-4-2-																	3.10
35-33,0628-107,9603-2-12-						0-N22018-04/13/75-13-	18-14.1-						9.0-	104-		22-3-6-4-6-3-3-1-1-1-3-4-3-	1-1-3-4-3-																3.10	
35-33,0556-107,9625-2-13-						0-N22020-04/13/75-14-	18-									22-3-6-4-6-	1-3-4-3-																	2.00
35-33,0475-107,9336-2-13-						0-N22021-04/13/75-15-	18-									13-3-6-4-6-	1-3-4-3-																	2.00
35-33,0428-107,9350-2-15-						0-N22022-04/13/75-15-	18-									18-3-6-4-6-	1-3-4-3-																	2.20
35-33,0258-107,9911-2-15-						0-N22023-04/13/75-16-	17-									18-3-6-4-6-	1-3-3-2-																	2.10
35-33,0236-107,9904-2-15-						0-N22024-04/13/75-16-	16-									22-3-6-4-6-	1-3-3-2-																	3.40
35-33,5842-107,3144-2-11-						0-N22025-07/18/75-20-	26-									17-1-7-3-6-1-	3-3-4-1-1-																	4.90
35-33,9942-107,6192-2-15-						0-N22027-05/03/75-8-	12-									23-3-6-4-6-	4-3-3-1-																	2.40
35-33,9794-107,7003-2-15-						0-N22032-05/02/75-9-	12-									0-3-6-4-6-	4-3-3-1-																	1.70
35-33,9228-107,8837-2-15-						0-N22043-05/02/75-13-	15-									18-3-6-4-6-	4-3-3-1-																	1.30
35-33,9103-107,8914-2-15-						0-N22047-05/02/75-15-	15-									0-3-6-4-6-	4-3-3-2-																	1.40
35-33,9114-107,8886-2-15-						0-N22048-05/02/75-15-	15-									0-3-6-4-6-	4-3-3-2-																	1.00
35-33,8839-107,8517-2-15-						0-N22051-05/02/75-16-	15-									0-3-6-4-6-	4-3-3-2-																	1.40
35-33,8619-107,9472-2-15-						0-N22057-05/03/75-11-	14-									14-3-6-4-6-	4-3-3-3-																	1.90
35-33,8572-107,9350-2-15-						0-N22059-05/03/75-11-	14-									18-3-6-4-6-	4-3-3-3-																	1.40
35-33,8139-107,9661-2-15-						0-N22063-05/03/75-13-	14-									16-3-6-4-6-	4-2-3-3-																	2.30
35-33,8081-107,9754-2-15-						0-N22065-05/03/75-14-	14-									23-3-6-4-6-	4-3-3-3-																	2.20
35-33,7944-107,9678-2-15-						0-N22066-05/03/75-14-	14-									23-3-6-4-6-	4-3-3-3-																	2.80
35-33,7636-107,9494-2-15-						0-N22068-05/03/75-15-	14-									23-3-6-4-6-	3-2-3-3-																	2.70
35-33,7464-107,9106-2-15-						0-N22070-05/03/75-15-	14-									23-3-6-4-6-	4-2-3-3-																	3.10
35-33,7444-107,9200-2-15-						0-N22071-05/03/75-15-	14-									23-3-6-4-6-	4-2-3-3-																	3.30
35-33,7672-107,9389-2-15-						0-N22072-05/03/75-16-	14-									18-3-6-4-6-	4-2-3-3-																	3.00
35-33,7717-107,9294-2-15-						0-N22073-05/03/75-16-	14-									0-3-6-4-6-	4-2-3-3-																	2.90
35-33,7683-107,9186-2-15-						0-N22074-05/03/75-16-	14-									14-3-6-4-6-	4-2-3-3-																	2.50
35-33,7444-107,8781-2-15-						0-N22075-05/03/75-17-	13-									14-3-6-4-6-	4-2-3-3-																	2.40
35-33,9272-107,7153-2-15-						0-N22076-05/04/75-7-	12-									18-3-6-4-6-	4-3-3-2-																	2.70
35-33,8967-107,7303-2-15-						0-N22078-05/04/75-7-	12-									18-3-6-4-6-	4-3-3-2-																	3.90
35-33,8533-107,7178-2-15-						0-N22079-05/04/75-8-	12-									23-3-6-4-6-	4-3-3-2-																	2.30
35-33,8578-107,7400-2-15-						0-N22081-05/04/75-8-	12-									30-3-6-4-6-	4-3-3-2-																	2.00
35-33,8464-107,7403-2-15-						0-N22082-05/04/75-8-	12-									25-3-6-4-6-	4-3-3-2-																	2.60
35-33,8636-107,8303-2-15-						0-N22084-05/04/75-10-	13-									18-3-6-4-6-	4-2-3-2-																	1.30
35-33,8253-107,7831-2-15-						0-N22086-05/04/75-11-	11-									23-3-6-4-6-	4-3-3-4-																	3.00
35-33,8014-107,7533-2-15-						0-N22088-05/04/75-11-	11-									23-3-6-4-6-	4-3-3-4-																	2.10
35-33,7708-107,7642-2-15-						0-N22089-05/04/75-11-	12-									32-3-6-4-6-	4-3-3-4-																	2.60
35-33,7583-107,7814-2-15-						0-N22090-05/04/75-12-	12-									23-3-6-4-6-	4-3-3-3-																	3.30
35-33,7572-107,7633-2-15-						0-N22091-05/04/75-12-	12-									21-3-6-4-6-	4-3-3-3-																	3.40
35-33,7511-107,7647-2-15-						0-N22092-05/04/75-12-	12-									18-3-6-4-6-	4-3-3-3-																	2.90
35-33,7469-107,8194-2-14-						0-N22096-05/04/75-13-	15-12.2-						8.0-	145-		23-3-6-4-6-1-3-2-1-4-3-3-3-	1-1-4-3-3-3-																	

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DOE SAMPLE NUMBER					LASI SAMPLE LOCATION NUMBER AND FIELD DATA																				U CONCENTRATION									
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASI SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-33.7267-107.8194-2-15-	0-N22097-05/04/75-14-	15-														28-1-6-4-6-																	3.00	
35-33.6950-107.9375-2-15-	0-N22099-05/04/75-14-	15-														11-1-6-4-6-																	3.30	
35-33.6925-107.9308-2-15-	0-N22100-05/04/75-14-	15-														14-1-6-4-6-																	3.10	
35-33.9500-107.5025-2-12-	0-N22101-05/03/75-8-	20-11.0												190-		26-1-6-4-6-2	2-1-2-1-3-2-3-	1-														4.10		
35-33.9481-107.5708-2-15-	0-N22102-05/03/75-8-	22-														21-1-6-4-6-																	3.30	
35-33.9503-107.5617-2-15-	0-N22103-05/03/75-9-	22-														26-1-6-4-6-																	3.30	
35-33.9611-107.5803-2-15-	0-N22104-05/03/75-9-	22-														30-1-6-4-6-																	5.00	
35-33.9964-107.5444-2-15-	0-N22106-05/03/75-10-	22-														26-1-6-4-6-																	4.00	
35-33.9031-107.5653-2-15-	0-N22107-05/03/75-10-	23-														39-1-7-4-6-																	3.70	
35-33.9203-107.5853-2-15-	0-N22108-05/03/75-10-	23-														21-1-7-4-6-																	4.70	
35-33.9061-107.6061-2-15-	0-N22109-05/03/75-10-	23-														30-1-6-4-6-																	3.70	
35-33.9233-107.6131-2-15-	0-N22110-05/03/75-11-	24-														30-1-6-4-6-																	3.80	
35-33.9392-107.6361-2-15-	0-N22112-05/03/75-12-	23-														26-1-6-4-6-																	2.70	
35-33.9122-107.6375-2-15-	0-N22113-05/03/75-12-	23-														17-1-6-4-6-																	4.80	
35-33.8464-107.5734-2-15-	0-N22114-05/03/75-13-	23-														13-1-7-4-6-																	4.10	
35-33.8461-107.5722-2-15-	0-N22115-05/03/75-13-	23-														17-1-7-4-6-																	4.20	
35-33.8556-107.5439-2-15-	0-N22116-05/03/75-14-	23-														24-1-7-4-6-																	4.10	
35-33.8783-107.5211-2-12-	0-N2211																																	

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

[illegible]

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DOE SAMPLE NUMBER						LASI SAMPLE LOCATION NUMBER AND FIELD DATA																			U CONCENTRATION										
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASI SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	CC-MPH/MS	SPECIFIC CONDUCTANCE (umho/cm)	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC)	UNITS IN ppm
							DATE	HOUR																											
35-33.5544-107.9256-2-13	0-N22217-05/05/75-12	7-	-	-	-	28-3-5-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.30			
35-33.5543-107.9147-2-13	0-N22218-05/05/75-12	7-	-	-	-	47-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.30			
35-33.5517-107.8953-2-13	0-N22219-05/05/75-12	7-	9.4	-	8.0	25-3-6-4-6-2-2-1-2-4-4-3-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40			
35-33.5228-107.9214-2-13	0-N22220-05/05/75-13	8-	-	-	-	23-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.00			
35-33.5225-107.9336-2-13	0-N22221-05/05/75-13	8-	-	-	-	23-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.30			
35-33.5147-107.9447-2-13	0-N22223-05/05/75-13	8-	-	-	-	72-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.20			
35-33.5067-107.9853-2-13	0-N22224-05/05/75-13	9-	-	-	-	23-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.70			
35-33.5003-107.9064-2-13	0-N22226-05/05/75-14	9-	7.9	-	8.0	28-3-6-4-6-2-2-1-2-4-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.30			
35-33.5461-107.8494-2-13	0-N22227-05/05/75-14	9-	-	-	-	32-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.30			
35-33.5417-107.8453-2-13	0-N22228-05/05/75-14	9-	-	-	-	18-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.70			
35-33.5386-107.8454-2-13	0-N22229-05/05/75-14	9-	-	-	-	32-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.30			
35-33.5408-107.8433-2-13	0-N22230-05/05/75-15	9-	-	-	-	23-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.20			
35-33.5078-107.8561-2-13	0-N22231-05/05/75-15	9-	-	-	-	28-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.00			
35-33.6369-107.7304-2-13	0-N22232-05/06/75-11	12-	-	-	-	37-3-7-3-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.00			
35-33.6306-107.7347-2-13	0-N22233-05/06/75-11	12-	-	-	-	32-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70			
35-33.6381-107.7596-2-13	0-N22234-05/06/75-11	12-																																	

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

DOE SAMPLE NUMBER					LAST SAMPLE LOCATION NUMBER AND FIELD DATA																	U CONCENTRATION												
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAST SAMPLE LOCATION NUMBER	TIME SAMPLED		TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (c/d ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER FUEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	PELLET	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-33.4528-107.5122-2-13-	0-N22283-05/08/75-11-	1-	-	-	-	17-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
35-33.4553-107.5581-2-13-	0-N22285-05/08/75-12-	1-	-	-	-	17-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
35-33.5019-107.5797-2-13-	0-N22286-05/08/75-12-	1-	-	-	-	21-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70		
35-33.5017-107.5839-2-13-	0-N22287-05/08/75-12-	1-	-	-	-	6-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70		
35-33.5056-107.7300-2-13-	0-N22291-05/08/75-13-	1-	-	-	-	17-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
35-33.5178-107.7467-2-13-	0-N22292-05/08/75-13-	1-	-	-	-	13-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
35-33.5178-107.7367-2-13-	0-N22293-05/08/75-13-	1-	-	-	-	17-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
35-33.5250-107.7308-2-13-	0-N22294-05/08/75-13-	1-	-	-	-	23-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
35-33.4439-107.7647-2-13-	0-N22297-05/08/75-14-	1-	-	-	-	17-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
35-33.4603-107.7289-2-13-	0-N22301-05/08/75-14-	1-	-	-	-	8-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
35-33.4492-107.7119-2-13-	0-N22302-05/08/75-14-	1-	-	-	-	21-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30		
35-33.3383-107.6942-2-12-	0-N22306-05/10/75-11-	22-10.4-	-	-	-	23-3-6-3-6-2-2-1-2-2-2-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30		
35-33.3519-107.7069-2-13-	0-N22308-05/10/75-12-	24-	-	-	-	24-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
35-33.3333-107.7553-2-13-	0-N22310-05/10/75-12-	23-	-	-	-	9-3-6-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
35-33.2581-107.6764-2-11-	0-N22312-05/10/75-13-	24-	-	-	-	9-3-6-4-6-2-2-1-2-2-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10		
35-33.2869-107.7116-2-13-	0-N22312-05/10/75-13-	24-	-	-	-	14-3-7-3-7																												

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DOE SAMPLE NUMBER						LAST SAMPLE LOCATION NUMBER AND FIELD DATA																			U CONCENTRATION									
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	L.A.S. SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE (umho/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 ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-33.3119-107.9191-2-1C						0-N22359-05/09/75-1-			23-16.0	-			7.8	130		26-1-A-4-B-2-3-1-2-1-3-6-1-	-1-																	3.00
35-33.3178-107.8956-2-1C						0-N22360-05/09/75-10-			23-16.0	-			8.4	95		36-2-A-4-B-2-3-1-2-1-3-3-1-	-1-																	5.10
35-33.4250-107.7336-2-1C						0-N22366-05/10/75-15-			22-18.0	-			7.6	650		17-2-1-4-B-6-	-2-																	2.30
35-33.4047-107.7622-2-1C						0-N22370-05/10/75-16-			22-	-						21-2-1-4-B-6-	-1-																	4.20
35-33.4033-107.7599-2-1C						0-N22371-05/10/75-16-			22-	-						36-2-1-4-B-6-	-1-																	4.80
35-33.3150-107.7039-2-1C						0-N22372-05/10/75-17-			22-	-						13-1-5-4-B-6-	-1-																	4.90
35-33.3892-107.6367-2-1C						0-N22374-05/10/75-17-			22-	-						A-1-6-4-B-6-	-1-																	2.10
35-33.3336-107.5136-2-1C						0-N2237A-05/12/75-8-				-						13-2-6-4-B-6-	-1-																	3.30
35-33.1417-107.7614-2-1C						0-N22380-05/12/75-11-			23-	-						A-2-6-4-B-6-	-1-																	6.00
35-33.1450-107.7608-2-1C						0-N22381-05/12/75-11-			24-	-						17-2-4-4-B-6-	-1-																	6.00
35-33.1197-107.7697-2-1C						0-N22382-05/12/75-11-			25-	-						17-2-6-4-B-6-	-1-																	6.30
35-33.0439-107.7739-2-1C						0-N22384-05/12/75-12-			25-17.0	-			5.9	320		17-2-6-4-B-6-	-1-																	6.40
35-33.0428-107.7614-2-1C						0-N22385-05/12/75-12-			25-	-						28-2-6-4-B-6-	-1-																	5.30
35-33.1139-107.6728-2-1C						0-N22386-05/12/75-14-			26-18.0	-			7.8	590		19-2-6-4-B-6-	-1-																	6.20
35-33.1486-107.7236-2-1C						0-N22388-05/12/75-17-			32-	-						17-2-6-4-B-6-	-1-																	6.00
35-33.1686-107.6831-2-1C						0-N22389-05/12/75-17-			32-	-						A-2-6-4-B-6-	-1-																	5.30
35-33.1675-107.6833-2-1C						0-N2239																												

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																U CONCENTRATION												
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/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	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC)	UNITS IN ppm
							DATE	HOUR																										
35-33.1522-107.9497-2-15-						0-N22427-05/14/76-15-	26-		-	-	-	-	-	-	-	8-2-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
35-33.1442-107.9457-2-15-						0-N22428-06/4/76-16-	26-		-	-	-	-	-	-	-	5-2-7-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20	
35-33.1453-107.9457-2-15-						0-N22429-06/13/76-16-	26-		-	-	-	-	-	-	-	7-2-7-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35-33.1258-107.9500-2-15-						0-N22430-06/14/76-17-	25-		-	-	-	-	-	-	-	5-2-7-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.30	
35-33.1256-107.9528-2-16-						0-N22431-06/14/76-17-	24-15.2		-	-	-	-	7.4	205-	-	7-2-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
35-33.1269-107.9544-2-15-						0-N22432-05/14/76-17-	24-		-	-	-	-	-	-	-	10-2-7-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
35-33.1839-107.9027-2-16-						0-N22433-06/15/76-10-	27-18.0		-	-	-	-	7.2	190-	-	13-2-6-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.80	
35-33.1481-107.7669-2-15-						0-N22434-06/15/76-14-	25-		-	-	-	-	-	-	-	8-2-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35-33.1439-107.7742-2-15-						0-N22435-06/15/76-14-	25-		-	-	-	-	-	-	-	10-2-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
35-33.1383-107.7494-2-15-						0-N22436-06/15/76-12-	25-		-	-	-	-	-	-	-	7-2-6-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
35-33.0778-107.7936-2-15-						0-N22437-06/15/76-13-	24-		-	-	-	-	-	-	-	5-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60	
35-33.1019-107.7961-2-16-						0-N22438-06/15/76-14-	24-10.0		-	-	-	-	7.3	190-	-	11-2-6-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.70	
35-33.1064-107.8044-2-16-						0-N22439-06/15/76-15-	24-18.0		-	-	-	-	7.1	200-	-	11-2-6-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10	
35-33.1072-107.8039-2-16-						0-N22440-06/15/76-15-	24-10.5		-	-	-	-	7.3	195-	-	8-2-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.70	
35-33.2481-107.9881-2-15-						0-N22441-06/16/76-10-	20-		-	-	-	-	-	-	-	14-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
35-33.2478-107.9847-2-15-						0-N22442-06/16/76-10-	19-		-	-	-	-	-	-	-	11-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
35-33.2419-107.9837-2-15-						0-N22443-06/16/76-10-	19-		-	-	-	-	-	-	-	4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
35-33.2103-107.9589-2-15-						0-N22444-06/16/76-12-	24-		-	-	-	-	-	-	-	11-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
35-33.2964-107.9967-2-15-						0-N22445-06/16/76-17-	25-		-	-	-	-	-	-	-	14-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00	
35-33.2964-107.9931-2-15-						0-N22446-06/16/76-17-	25-		-	-	-	-	-	-	-	14-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10	
35-33.9894-106.8419-2-15-						0-N22447-02/12/77-9-	7-		-	-	-	-	-	-	-	11-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
35-33.9789-106.8444-2-15-						0-N22449-02/12/77-9-	11-		-	-	-	-	-	-	-	7-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00	
35-33.9675-106.8389-2-15-						0-N22450-02/12/77-10-	13-		-	-	-	-	-	-	-	5-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35-33.9589-106.8151-2-15-						0-N22451-02/12/77-11-	16-		-	-	-	-	-	-	-	8-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10	
35-33.9606-106.8167-2-15-						0-N22452-02/12/77-11-	16-		-	-	-	-	-	-	-	12-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35-33.9139-106.8103-2-15-						0-N22453-02/12/77-11-	17-		-	-	-	-	-	-	-	9-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.90	
35-33.8931-106.7103-2-15-						0-N22455-02/12/77-14-	14-		-	-	-	-	-	-	-	12-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35-33.9075-106.7106-2-15-						0-N22457-02/12/77-15-	14-		-	-	-	-	-	-	-	15-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
35-33.9150-106.7197-2-15-						0-N22458-02/12/77-15-	15-		-	-	-	-	-	-	-	10-1-1-6-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
35-33.9953-106.7033-2-15-						0-N22460-02/12/77-16-	16-		-	-	-	-	-	-	-	6-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10	
35-33.9789-106.6997-2-15-						0-N22461-02/12/77-17-	16-		-	-	-	-	-	-	-	8-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40	
35-33.9419-106.7036-2-15-						0-N22462-02/12/77-17-	10-		-	-	-	-	-	-	-	16-1-6-4-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35-33.9103-106.7825-2-15-						0-N22464-02/13/77-9-	7-		-	-	-	-	-	-	-	10-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
35-33.9031-106.7451-2-15-						0-N22465-02/13/77-8-	7-		-	-	-	-	-	-	-	6-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
35-33.9006-106.7578-2-15-						0-N22466-02/13/77-9-	10-		-	-	-	-	-	-	-	12-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
35-33.9789-106.6769-2-15-						0-N22467-02/13/77-10-	16-		-	-	-	-	-	-	-	20-1-6-4-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20	
35-33.9831-106.6689-2-96-						0-N22468-02/13/77-10-	9-		-	-	-	-	-	-	-	29-4-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35-33.9906-106.6525-2-15-						0-N22469-02/13/77-9-	11-		-	-	-	-	-	-	-	30-1-6-4-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35-33.9942-106.6104-2-15-						0-N22471-02/13/77-12-	16-		-	-	-	-	-	-	-	16-1-1-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20	
35-33.9919-106.5875-2-15-						0-N22472-02/13/77-12-	16-		-	-	-	-	-	-	-	8-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
35-33.9050-106.5939-2-96-						0-N22476-07/13/77-15-	16-		-	-	-	-	-	-	-	-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20	
35-33.9158-106.6092-2-97-						0-N22478-02/13/77-16-	16-		-	-	-	-	-	-	-	9-1-4-6-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
35-33.8975-106.6289-2-15-						0-N22480-02/13/77-16-	16-		-	-	-	-	-	-	-	16-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20	
35-33.8903-106.6637-2-97-						0-N22481-02/13/77-17-	15-		-	-	-	-	-	-	-	6-1-6-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10	
35-33.9250-106.7077-2-15-						0-N22482-03/05/77-7-	4-		-	-	-	-	-	-	-	14-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35-33.9353-106.6086-2-15-						0-N22483-03/05/77-8-	4-		-	-	-	-	-	-	-	12-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00	
35-33.9542-106.6806-2-15-						0-N22484-03/05/77-8-	4-		-	-	-	-	-	-	-	12-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40	
35-33.9375-106.6586-2-15-						0-N22485-03/05/77-8-	5-		-	-	-	-	-	-	-	15-1-9-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
35-33.9553-106.6539-2-15-						0-N22486-03/05/77-9-	6-		-	-	-	-	-	-	-	14-1-6-4-6-	-																	

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[illegible]

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																						U CONCENTRATION						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmhos/cm)	SC MULLOMETER (µmhos/cm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	BRIEF	WEATHER	DOWNPOUR	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-33.9484-106.9936-2-13-						0-422544-12/20/77-14-	20-									20-1-6-4-6-	-1-	-1-3-2-3-1-	-3-															3.00
35-33.9581-106.9958-2-13-						0-422544-02/20/77-15-	20-									20-3-4-4-4-	-1-	-1-3-2-3-1-	-3-															3.20
35-33.9911-107.0072-2-13-						0-422545-02/20/77-15-	20-									25-1-3-4-7-	-1-	-2-3-3-3-1-	-3-															2.70
35-33.9031-106.7059-2-13-						0-422546-03/16/77-	22-									10-1-1-4-1-	-1-	-3-3-3-3-3-	-1-															3.60
35-33.8756-106.7254-2-13-						0-422543-03/17/77-9-	9-									26-1-1-4-1-	-1-	-3-3-3-2-	-1-															3.20
35-33.8508-106.7664-2-13-						0-422550-03/17/77-8-	10-									5-4-	-4-6-	-1-	-3-3-3-1-1-	-1-														2.20
35-33.8164-106.7867-2-20-						0-422551-03/17/77-8-	18-									6-4-	-4-6-	-1-	-1-3-3-1-1-	-1-														2.70
35-33.8151-106.7533-2-13-						0-422552-03/17/77-9-	20-									10-4-	-4-6-	-1-	-1-3-3-1-1-	-1-														3.90
35-33.8075-106.7222-2-13-						0-422553-03/17/77-	18-									15-1-9-4-6-	-1-	-3-3-3-3-2-	-1-															2.80
35-33.7497-106.7147-2-13-						0-422554-03/17/77-9-	18-									12-3-8-4-7-	-1-	-1-3-3-2-1-	-1-															2.80
35-33.8294-106.7451-2-13-						0-422554-03/17/77-10-	18-									13-4-	-4-6-	-1-	-1-3-3-2-1-	-1-														1.80
35-33.8494-106.7428-2-14-						0-422557-03/17/77-11-	18-13.4-									11-1-4-6-4-1-	-2-	-1-3-3-2-1-	-1-															2.30
35-33.8514-106.7411-2-13-						0-422558-03/17/77-11-	19-									10-1-1-4-1-	-1-	-1-3-3-3-2-	-1-															3.20
35-33.8558-106.6822-2-13-						0-422559-03/17/77-11-	18-									7-3-8-4-7-	-1-	-2-3-2-4-1-	-1-															3.30
35-33.8481-106.6651-2-13-						0-422560-03/17/77-11-	18-									6-4-0-4-8-	-1-	-3-3-2-2-1-	-1-															2.30
35-33.8650-106.6751-2-13-						0-422561-03/17/77-12-	18-									9-4-	-4-6-	-1-	-1-3-2-1-1-	-1-														1.80
35-33.8692-106.6714-2-13-						0-422562-03/17/77-12-	18-									13-1-4-4-6-	-1-	-3-3-2-2-1-	-1-															2.90
35-33.8842-106.5719-2-13-						0-422568-03/17/77-14-	18-									7-1-4-4-6-	-1-	-3-4-3-1-1-	-1-															2.10
35-33.9056-106.5628-2-13-						0-422570-03/17/77-15-	18-									13-1-4-4-6-	-1-	-3-4-4-1-1-	-1-															2.30
35-33.9553-106.5608-2-13-						0-422572-03/17/77-16-	18-									5-1-6-4-6-	-1-	-2-3-3-2-1-	-1-															2.10
35-33.8842-106.7451-2-13-						0-422573-04/02/77-8-	3-									5-1-4-4-4-	-1-	-3-3-2-3-1-	-1-															2.90
35-33.9089-106.3839-2-13-						0-422576-04/02/77-9-	6-									17-1-6-4-6-	-1-	-3-4-3-2-1-	-1-															2.00
35-33.9211-106.3800-2-13-						0-422577-04/02/77-10-	6-									14-1-6-4-6-	-1-	-3-3-3-2-1-	-1-															2.10
35-33.9328-106.3956-2-13-						0-422578-04/02/77-10-	6-									6-1-4-4-4-	-1-	-3-4-3-2-1-	-9-															1.30
35-33.9628-106.3819-2-13-						0-422581-04/02/77-10-	17-									7-1-6-4-6-	-1-	-4-3-2-1-	-1-															1.40
35-33.9756-106.3989-2-13-						0-422583-04/02/77-11-	14-									7-1-4-4-4-	-1-	-1-4-3-2-1-	-1-															1.90
35-33.9503-106.4950-2-13-						0-422587-04/02/77-13-	15-									7-1-6-5-6-	-1-	-4-3-2-1-	-1-															2.30
35-33.9289-106.5100-2-13-						0-422588-04/02/77-13-	15-									6-1-6-4-6-	-1-	-4-3-3-1-	-1-															1.90
35-33.8917-106.4917-2-13-						0-422590-04/02/77-14-	15-									11-1-4-5-4-	-1-	-3-3-3-2-2-	-1-															1.80
35-33.9084-106.4597-2-13-						0-422592-04/02/77-14-	18-									10-1-4-4-4-	-1-	-2-2-3-2-2-	-1-															1.90
35-33.9089-106.4393-2-13-						0-422594-04/02/77-14-	15-									24-1-4-4-4-	-1-	-2-4-2-2-2-	-1-															2.20
35-33.9219-106.4419-2-20-						0-422595-04/02/77-15-	15-									4-1-4-4-4-	-1-	-4-3-2-2-	-1-															2.20
35-33.9392-106.4369-2-13-						0-422596-04/02/77-15-	15-									13-1-6-4-6-	-1-	-4-2-2-2-	-1-															2.60
35-33.9958-106.3131-2-27-						0-422599-04/03/77-9-	7-									11-1-4-5-4-	-1-	-3-3-3-1-	-1-															2.20
35-33.8947-106.3611-2-13-						0-422601-04/03/77-13-	10-									9-1-4-4-4-	-1-	-3-4-3-3-3-	-1-															2.10
35-33.9414-106.3564-2-13-						0-422602-04/03/77-14-	10-									15-1-1-4-8-	-1-	-1-4-5-3-2-	-1-															2.00
35-33.9719-106.3193-2-13-						0-422604-04/03/77-13-	10-									15-1-4-4-8-	-1-	-2-3-3-3-5-	-1-															1.80
35-33.9697-106.2872-2-13-						0-422606-04/03/77-14-	7-									10-1-6-4-6-	-1-	-4-3-3-5-	-1-															2.20
35-33.9756-106.2736-2-13-						0-422608-04/03/77-15-	6-									9-1-1-4-8-	-1-	-2-3-3-3-5-	-1-															2.00
35-33.9367-106.3036-2-27-						0-422609-04/03/77-15-	4-									2-1-4-4-4-	-1-	-4-3-3-5-	-1-															1.70
35-33.9153-106.3222-2-13-						0-422610-04/03/77-15-	4-									7-1-1-4-8-	-1-	-3-1-3-2-9-	-1-															1.30
35-33.8483-106.3772-2-13-						0-422612-04/03/77-17-	2-									14-1-4-5-4-	-1-	-2-4-3-2-5-	-1-															1.90
35-33.8461-106.3703-2-27-						0-422614-04/08/77-17-	25-									17-4-4-5-4-	-1-	-3-3-3-2-1-	-1-															2.80
35-33.8594-106.3994-2-13-						0-422615-04/09/77-8-	19-									9-1-4-5-4-	-1-	-1-3-3-3-1-	-1-															2.00
35-33.8414-106.4450-2-13-						0-422618-04/09/77-9-	27-									11-1-4-4-4-	-1-	-3-3-3-3-1-	-1-															2.00
35-33.8269-106.4803-2-13-						0-422619-04/09/77-9-	27-									7-1-4-4-4-	-1-	-3-3-2-1-	-1-															2.30
35-33.8139-106.4808-2-13-						0-422620-04/09/77-9-	25-									17-1-4-5-4-	-1-	-3-3-3-1-	-1-															3.30
35-33.8297-106.3847-2-13-						0-422621-04/08/77-	24-									9-1-1-4-6-	-1-	-2-3-3-3-1-	-1-															2.40
35-33.8867-106.2425-2-27-						0-422623-04/09/77-11-	21-									8-1-7-5-9-	-1-	-1-1-3-6-2-	-1-															2.20
35-33.9231-106.2607-2-13-						0-422624-04/09/77-12-	22-									5-1-7-5-																		

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																					U CONCENTRATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (dU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATFR COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELETED NEUTRON COUNTING (DNC) UNITS IN ppm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
35-33	4405-106	2878-2-13	0-22628-04/09/77-13	22-	-C-	-	15-1-1-4-6-6	-1	-1-3-3-3-2	-9-	2.40						15-1-1-4-6-6	-1	-1-3-3-3-2	-1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

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

[illegible]

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DOE SAMPLE NUMBER						LASI SAMPLE LOCATION NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASI SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (nCi/ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	REFL.	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-33.4443-107.1744-2-10	0-422744-03/17/77-19	10													19-7-7-4-6	-1	-1-4-3-4-3	-1														2.40		
35-33.4443-107.1744-2-10	0-422745-03/17/77-19	10													37-7-7-5-6	-1	-1-1-3-3-3	-1															3.20	
35-33.4443-107.1744-2-10	0-422746-03/17/77-20	10													74-7-7-4-7	-1	-1-1-3-3-3	-1															4.00	
35-33.4443-107.1744-2-10	0-422749-03/16/77-8	12													20-7-7-4-6	-1	-1-4-3-3-3	-3															3.00	
35-33.4443-107.1744-2-10	0-422749-03/16/77-9	12													7-1-4-1	-1	-2-1-3-4-3	-3															4.00	
35-33.4443-107.1744-2-10	0-422750-03/16/77-9	13													30-7-4-4-6	-1	-1-4-3-3-3	-3															3.20	
35-33.4443-107.1744-2-10	0-422751-03/16/77-9	13													20-7-4-4-6	-1	-2-1-3-3-3	-3															4.00	
35-33.4443-107.1744-2-10	0-422752-03/16/77-10	14													45-7-4-4-6	-1	-1-1-3-4-3	-3															3.00	
35-33.4443-107.1744-2-10	0-422753-03/16/77-10	14													20-7-4-4-6	-1	-1-1-3-4-3	-3															3.10	
35-33.4443-107.1744-2-10	0-422754-03/16/77-10	14													10-7-4-4-6	-1	-2-1-3-4-3	-3															3.20	
35-33.4443-107.1744-2-10	0-422755-03/16/77-10	14													20-7-4-4-6	-1	-2-2-3-3-3	-3															3.10	
35-33.4443-107.1744-2-10	0-422756-03/16/77-11	15													30-7-4-4-6	-1	-1-1-3-4-3	-1															6.20	
35-33.4443-107.1744-2-10	0-422757-03/16/77-11	15													15-7-4-4-6	-1	-2-2-3-3-3	-1															3.10	
35-33.4443-107.1744-2-10	0-422759-03/16/77-12	16													75-7-4-4-1	-1	-2-1-3-4-3	-3															6.30	
35-33.4443-107.1744-2-10	0-422759-03/16/77-12	13													20-7-4-4-6	-1	-1-1-3-3-3	-3															2.40	
35-33.4443-107.1744-2-10	0-422760-03/16/77-12	15													10-7-4-4-6	-1	-1-4-4-2-3	-3															2.40	
35-33.4443-107.1744-2-10	0-422761-03/16/77-12	14													20-7-4-4-6	-1	-2-1-3-3-3	-3															4.00	
35-33.4443-107.1744-2-10	0-422762-03/16/77-12	15													10-7-4-4-6	-1	-1-4-3-2-3	-3															2.20	
35-33.4443-107.1744-2-10	0-422763-03/16/77-13	15													10-7-4-5-7	-1	-2-4-3-3-2	-3															3.00	
35-33.4443-107.1744-2-10	0-422764-03/16/77-13	15													20-7-4-4-6	-1	-2-3-3-2-3	-3															3.30	
35-33.4443-107.1744-2-10	0-422765-03/16/77-13	15													25-7-4-4-6	-1	-2-6-3-3-3	-3															3.00	
35-33.4443-107.1744-2-10	0-422766-03/16/77-14	15													20-7-7-4-7	-1	-2-4-3-3-3	-3															4.00	
35-33.4443-107.1744-2-10	0-422767-03/16/77-8	18													50-7-4-4-6	-1	-2-3-2-3-3	-3															3.00	
35-33.4443-107.1744-2-10	0-422768-03/16/77-8	18													53-7-7-5-6	-1	-2-3-2-4-2	-3															3.20	
35-33.4443-107.1744-2-10	0-422769-03/16/77-9	18													78-7-7-4-7	-1	-2-3-2-4-2	-3															2.40	
35-33.4443-107.1744-2-10	0-422772-03/16/77-11	20													39-7-7-5-6	-1	-2-3-3-2-2	-3															2.80	
35-33.4443-107.1744-2-10	0-422773-03/16/77-11	20													47-7-6-4-6	-1	-1-3-3-3-2	-3															3.00	
35-33.4443-107.1744-2-10	0-422774-03/16/77-11	19													70-7-4-5-6	-1	-1-4-2-3-2	-3															3.00	
35-33.4443-107.1744-2-10	0-422775-03/16/77-12	25													40-7-7-4-7	-1	-2-6-3-3-3	-3															2.20	
35-33.4443-107.1744-2-10	0-422776-03/16/77-12	25													28-7-7-4-7	-1	-2-3-3-3-3	-3															3.20	
35-33.4443-107.1744-2-10	0-422777-03/16/77-12	25													75-7-7-5-7	-1	-2-3-3-3-3	-3															2.00	
35-33.4443-107.1744-2-10	0-422778-03/16/77-12	25													49-7-7-5-6	-1	-2-3-3-3-3	-3															2.40	
35-33.4443-107.1744-2-10	0-422779-03/16/77-13	19													70-7-7-4-7	-1	-1-1-3-4-2	-3															2.00	
35-33.4443-107.1744-2-10	0-422780-03/16/77-13	26													50-7-7-4-7	-1	-2-3-3-6-3	-3															3.20	
35-33.4443-107.1744-2-10	0-422781-03/16/77-13	25													39-7-7-4-6	-1	-2-3-3-2-3	-3															3.20	
35-33.4443-107.1744-2-10	0-422782-03/16/77-14	20													47-7-7-5-6	-1	-1-1-3-4-2	-3															3.00	
35-33.4443-107.1744-2-10	0-422783-03/16/77-14	20													70-7-7-4-6	-1	-1-1-3-4-2	-3															3.00	
35-33.4443-107.1744-2-10	0-422784-03/16/77-13	24													49-7-7-5-6	-1	-2-3-3-3-3	-3															3.00	
35-33.4443-107.1744-2-10	0-422785-03/16/77-14	20													50-7-7-4-6	-1	-1-1-3-4-2	-3															3.30	
35-33.4443-107.1744-2-10	0-422786-03/16/77-14	25													39-7-4-5-6	-1	-2-3-3-3-3	-3															2.00	
35-33.4443-107.1744-2-10	0-422787-03/16/77-14	25													50-7-7-4-6	-1	-2-3-3-3-3	-3															3.00	
35-33.4443-107.1744-2-10	0-422788-03/16/77-9	14													30-7-4-4-6	-1	-2-4-2-4-1	-3															5.40	
35-33.4443-107.1744-2-10	0-422790-03/17/77-9	15													30-7-4-5-6	-1	-1-4-3-3-1	-3															3.20	
35-33.4443-107.1744-2-10	0-422791-03/17/77-9	15													10-7-6-5-6	-1	-1-4-3-3-1	-3															3.00	
35-33.4443-107.1744-2-10	0-422792-03/17/77-10	15													30-7-4-4-4	-1	-2-2-3-4-1	-3															3.00	
35-33.4443-107.1744-2-10	0-422793-03/17/77-10	16													20-7-4-4-4	-1	-1-4-3-3-1	-3															3.00	
35-33.4443-107.1744-2-10	0-422795-03/17/77-11	15													20-4-6-4-6	-1	-1-4-3-3-1	-3															3.20	
35-33.4443-107.1744-2-10	0-422797-03/17/77-11	15													20-4-4-4-6	-1	-1-4-3-3-1	-3															3.40	
35-33.4443-107.1744-2-10	0-422798-03/17/77-11	15													20-7-7-4-6	-1	-1-4-3-3-1	-3															3.20	
35-33.4443-107.1744-2-10	0-422799-03/17/77-11	15													10-7-7-4-7	-1	-2-4-3-3-2	-3															3.00	
35-33.4443-107.1744-2-10	0-422800-03/17/77-12	15													10-7-4-4-6	-1	-1-4-3-3-2	-3															2.00	

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																	U CONCENTRATION												
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/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 ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
35-33.7975-107.0478-2-13-	0-N22857-03/17/77-17-	21-														118-1-6-5-6-	-1-	-1-4-2-2-1-	-3-															4.70	
35-33.7936-107.0996-2-13-	0-N22858-03/17/77-17-	24-														69-1-7-5-6-	-1-	-1-3-3-1-1-	-3-															3.90	
35-33.7931-107.0628-2-13-	0-N22859-03/17/77-17-	20-														70-1-6-5-6-	-1-	-1-4-2-2-1-	-3-															4.70	
35-33.5644-107.2394-2-13-	0-N22860-03/18/77-7-	10-														40-1-6-4-4-	-1-	-2-4-3-3-2-	-3-															4.00	
35-33.5247-107.2006-2-13-	0-N22861-03/18/77-9-	10-														75-2-6-4-4-	-1-	-2-3-3-3-2-	-3-															3.90	
35-33.5142-107.2131-2-13-	0-N22862-03/18/77-7-	10-														70-2-7-4-6-	-1-	-2-3-3-4-2-	-3-															3.90	
35-33.5108-107.2203-2-13-	0-N22863-03/18/77-7-	10-														40-2-7-4-6-	-1-	-2-3-3-3-2-	-3-															4.20	
35-33.5261-107.2344-2-13-	0-N22864-03/18/77-7-	11-														70-2-4-4-4-	-1-	-2-3-3-2-2-	-3-															3.90	
35-33.5733-107.2181-2-13-	0-N22865-03/18/77-8-	11-														70-2-7-4-4-	-1-	-2-4-3-2-2-	-3-															4.10	
35-33.5778-107.2308-2-13-	0-N22866-03/18/77-8-	12-														-3-7-4-7-	-1-	-2-4-3-3-2-	-3-															3.70	
35-33.5758-107.2042-2-13-	0-N22867-03/18/77-8-	12-														-3-4-4-4-	-1-	-2-4-3-3-1-	-3-															3.70	
35-33.5847-107.1803-2-13-	0-N22868-03/18/77-8-	13-														70-3-7-4-4-	-1-	-2-4-3-3-1-	-3-															4.10	
35-33.6022-107.1975-2-13-	0-N22869-03/18/77-8-	14-														70-3-6-4-6-	-1-	-2-3-3-3-1-	-3-															4.10	
35-33.6119-107.1847-2-13-	0-N22870-03/18/77-9-	15-														17-3-7-4-7-	-1-	-2-3-3-3-1-	-3-															5.70	
35-33.6028-107.1608-2-13-	0-N22871-03/18/77-9-	15-														70-3-7-4-6-	-1-	-2-3-3-2-1-	-3-															3.90	
35-33.5822-107.1456-2-13-	0-N22872-03/18/77-9-	16-														70-1-7-4-6-	-1-	-2-3-2-3-1-	-3-															4.00	
35-33.5683-107.1606-2-13-	0-N22873-03/18/77-9-	16-														70-1-7-4-7-	-1-	-2-3-3-3-1-	-3-															3.90	
35-33.5494-107.1654-2-13-	0-N22874-03/18/77-10-	16-														70-1-2-4-7-	-1-	-2-3-3-2-1-	-3-															3.20	
35-33.5419-107.1808-2-13-	0-N22875-03/18/77-10-	16-														25-1-7-4-7-	-1-	-2-3-3-4-1-	-3-															3.70	
35-33.5206-107.1792-2-13-	0-N22876-03/18/77-10-	16-														70-1-7-4-7-	-1-	-2-3-3-3-1-	-3-															3.90	
35-33.5069-107.1872-2-13-	0-N22877-03/18/77-10-	16-														70-1-7-4-7-	-1-	-2-3-2-2-1-	-3-															3.70	
35-33.5278-107.1500-2-13-	0-N22878-03/18/77-10-	16-														15-1-7-4-7-	-1-	-2-3-2-2-1-	-3-															3.90	
35-33.5906-107.2622-2-13-	0-N22879-03/18/77-7-	13-														43-1-6-5-6-	-1-	-1-3-2-2-2-	-3-															3.90	
35-33.6058-107.2500-2-13-	0-N22880-03/18/77-7-	14-														29-1-7-5-6-	-1-	-1-4-3-1-1-	-3-															2.70	
35-33.6169-107.2525-2-13-	0-N22881-03/18/77-7-	14-														59-1-6-5-6-	-1-	-1-3-2-2-1-	-3-															4.20	
35-33.6028-107.2739-2-13-	0-N22882-03/18/77-7-	16-														79-1-7-4-6-	-1-	-2-3-3-4-1-	-3-															5.20	
35-33.6033-107.2736-2-13-	0-N22883-03/18/77-8-	16-														70-1-6-4-6-	-1-	-1-3-2-3-1-	-3-															5.90	
35-33.5725-107.2750-2-13-	0-N22884-03/18/77-8-	19-														49-1-1-5-6-	-1-	-2-4-2-4-1-	-3-															3.70	
35-33.5694-107.2811-2-13-	0-N22885-03/18/77-8-	17-														70-1-4-4-6-	-1-	-1-2-2-4-1-	-3-															5.30	
35-33.5722-107.2989-2-13-	0-N22886-03/18/77-8-	20-														49-1-1-4-6-	-1-	-2-3-3-4-1-	-3-															5.10	
35-33.5897-107.3144-2-13-	0-N22887-03/18/77-9-	20-														59-1-7-4-6-	-1-	-1-2-3-4-1-	-1-															6.10	
35-33.5567-107.3061-2-13-	0-N22888-03/18/77-9-	20-														59-1-1-4-7-	-1-	-2-3-3-3-1-	-3-															5.60	
35-33.5086-107.3208-2-13-	0-N22889-03/18/77-10-	23-														59-1-7-4-6-	-1-	-1-2-3-4-1-	-3-															5.90	
35-33.5739-107.3231-2-13-	0-N22890-03/18/77-10-	23-														49-1-7-4-6-	-1-	-2-2-3-4-1-	-3-															4.10	
35-33.5656-107.3469-2-13-	0-N22891-03/18/77-10-	23-														59-1-6-4-6-	-1-	-2-3-3-3-1-	-3-															4.90	
35-33.5625-107.3478-2-13-	0-N22892-03/18/77-13-	19-														106-1-6-5-6-	-1-	-1-2-2-4-1-	-3-															4.60	
35-33.8003-107.4789-2-13-	0-N22893-05/20/77-10-	14-														65-1-4-5-6-	-1-	-1-1-3-4-3-	-1-															4.10	
35-33.8061-107.4728-2-13-	0-N22894-05/20/77-10-	15-														55-1-7-5-6-	-1-	-2-1-3-4-3-	-1-															3.90	
35-33.8286-107.4733-2-13-	0-N22895-05/20/77-10-	15-														74-1-1-5-6-	-1-	-1-1-3-4-3-	-1-															3.90	
35-33.8189-107.4764-2-13-	0-N22896-05/20/77-10-	10-														77-1-7-5-6-	-1-	-2-1-3-4-3-	-1-															3.90	
35-33.7972-107.4964-2-13-	0-N22897-05/20/77-11-	5-														77-1-7-4-6-	-1-	-1-1-3-4-5-	-1-															4.00	
35-33.8075-107.4619-2-13-	0-N22898-05/20/77-11-	10-														27-1-1-5-6-	-1-	-2-1-4-5-5-	-1-															3.90	
35-33.7897-107.4719-2-13-	0-N22899-05/20/77-11-	3-														55-1-7-4-6-	-1-	-1-1-4-6-6-	-1-															3.60	
35-33.7956-107.4447-2-13-	0-N22900-05/20/77-12-	3-														77-1-7-5-6-	-1-	-2-1-4-4-5-	-1-															3.90	
35-33.7922-107.4496-2-13-	0-N22901-05/20/77-11-															55-1-7-4-6-	-1-	-1-1-4-4-5-	-1-															3.70	
35-33.8078-107.4444-2-13-	0-N22902-05/22/77-12-	13-														65-1-4-4-6-	-1-	-2-1-4-4-5-	-1-															5.20	
35-33.8214-107.4384-2-13-	0-N22903-05/20/77-12-															77-1-7-4-6-	-1-	-1-1-4-4-5-	-1-															4.60	
35-33.8047-107.4189-2-13-	0-N22904-05/22/77-12-	17-														77-1-7-4-7-	-1-	-2-1-3-4-3-	-1-															3.90	
35-33.8081-107.4104-2-13-	0-N22905-05/20/77-13-	2-														-3-4-4-7-	-1-	-1-1-3-3-4-	-1-															4.20	
35-33.8031-107.3883-2-13-	0-N22906-05/22/77-13-	15-														55-1-7-4-7-	-1-	-2-1-3-3-2-	-3-															4.30	
35-33.8114-107.3781-2-13-	0-N22907-05/20/77-14-	9-														55-1-4-4-7-	-1-	-1-3-2-3-2-	-1-															5.40	

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																							U CONCENTRATION					
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (micromhos/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 ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-33.8181-107.3794-2-15						0-N22908-05/20/77-14	15									55-3-7-4-7	-1	-2-1-2-3-2	-3														3.60	
35-33.8350-107.3778-2-15						0-N22909-05/20/77-14	6									27-3-6-4-7	-1	-1-3-3-3-2	-1															3.60
35-33.7661-107.3803-2-15						0-N22910-05/20/77-15	16									46-3-1-4-6	-1	-2-1-2-4-2	-3															4.10
35-33.7603-107.4097-2-15						0-N22911-05/20/77-15	10									37-3-6-4-6	-1	-1-1-3-3-4	-1															3.10
35-33.7658-107.4242-2-15						0-N22912-05/20/77-15	10									65-1-1-4-1	-1	-2-1-3-4-2	-3															3.10
35-33.7456-107.4250-2-15						0-N22914-06/30/77-12	35									18-1-1-4-4	-1	-2-2-3-4-2	-1															3.90
35-33.7436-107.4186-2-15						0-N22916-06/30/77-13	33									18-1-4-5-6	-1	-2-1-3-4-3	-1															3.30
35-33.7408-107.4050-2-15						0-N22917-06/30/77-13	35									18-1-1-5-6	-1	-2-1-3-4-2	-1															3.90
35-33.7397-107.3914-2-15						0-N22918-06/30/77-13	33									23-3-7-5-6	-1	-2-1-3-4-2	-1															3.90
35-33.7339-107.3808-2-15						0-N22919-06/30/77-14	34									9-3-6-4-6	-1	-2-1-3-4-2	-1															4.40
35-33.6994-107.4417-2-15						0-N22921-07/01/77-10	33									32-3-7-5-6	-1	-2-1-4-4-1	-1															5.70
35-33.6658-107.4406-2-15						0-N22922-07/01/77-13	19									22-3-4-5-6	-1	-2-1-4-4-3	-1															3.00
35-33.6628-107.4367-2-12						0-N22923-07/01/77-13	19									37-3-4-5-6-2	-1	-2-1-4-4-3	-1															15.20
35-33.6833-107.4344-2-15						0-N22924-07/01/77-13	19									37-3-4-5-6-2	-1	-2-1-4-4-3	-1															10.80
35-33.7194-107.4608-2-15						0-N22925-07/02/77-10	30									23-3-7-5-6	-1	-2-1-4-4-2	-1															3.90
35-33.7194-107.4772-2-15						0-N22926-07/02/77-10	28									23-1-1-4-6	-1	-2-1-4-4-2	-1															2.80
35-33.7272-107.4461-2-15						0-N22928-07/02/77-10	28									18-3-4-5-6	-1	-2-1-4-4-2	-1															4.00
35-33.7322-107.4700-2-15						0-N22929-07/02/77-11	29									23-3-4-5-6	-1	-2-1-4-4-2	-1															4.50
35-33.7372-107.4614-2-15						0-N22931-07/02/77-11	28									18-3-1-5-6	-1	-2-1-4-4-2	-1															3.30
35-33.7056-107.4725-2-15						0-N22932-07/02/77-11	29									27-3-7-4-6	-1	-2-1-4-4-2	-1															3.30
35-33.5289-107.2469-2-15						0-N22933-04/01/77-9	17									37-3-7-5-6	-1	-1-4-2-3-2	-3															3.70
35-33.5497-107.2819-2-15						0-N22934-04/01/77-9	17									55-1-4-4-6	-1	-1-4-2-2-2	-3															4.40
35-33.5389-107.2847-2-15						0-N22935-04/01/77-9	17									18-1-6-5-6	-1	-1-4-2-2-2	-3															3.60
35-33.5272-107.2914-2-15						0-N22936-04/01/77-10	17									81-1-6-5-6	-1	-1-4-2-2-2	-3															3.70
35-33.5178-107.2803-2-15						0-N22937-04/01/77-10	17									37-1-6-4-6	-1	-1-1-2-3-2	-3															5.30
35-33.5464-107.3006-2-15						0-N22939-04/01/77-11	18									65-3-7-5-6	-1	-1-1-3-3-2	-3															4.40
35-33.5458-107.3822-2-15						0-N22940-04/01/77-12	19									55-3-7-5-6	-1	-1-1-3-4-2	-1															6.10
35-33.5436-107.3825-2-15						0-N22941-04/01/77-12	19									55-3-6-5-6	-1	-1-1-3-4-1	-1															6.40
35-33.5469-107.4253-2-15						0-N22943-04/01/77-13	17									37-3-7-5-6	-1	-1-1-4-5-2	-2															4.80
35-33.5269-107.4200-2-15						0-N22946-04/01/77-12	17									42-3-7-4-6	-1	-1-1-3-4-2	-1															2.10
35-33.5089-107.4186-2-15						0-N22947-04/01/77-14	17									37-3-7-4-6	-1	-1-1-3-4-2	-3															2.20
35-33.5011-107.4222-2-15						0-N22948-04/01/77-14	18									55-3-7-4-6	-1	-1-4-3-3-2	-1															5.10
35-33.5567-107.4050-2-15						0-N22949-04/01/77-14	17									7-3-7-4-6	-1	-1-1-4-6-2	-1															5.70
35-33.5503-107.4165-2-15						0-N22950-04/01/77-14	17									27-3-7-4-6	-1	-1-1-3-4-2	-1															5.80
35-33.5689-107.4111-2-15						0-N22951-04/01/77-15	17									65-3-7-4-6	-1	-1-1-3-4-2	-1															4.10
35-33.5689-107.4203-2-15						0-N22952-04/01/77-15	17									74-3-7-4-6	-1	-1-1-3-6-2	-1															6.60
35-33.5667-107.3900-2-15						0-N22953-04/04/77-15	16									48-3-6-4-6	-1	-1-1-3-4-2	-1															4.00
35-33.5753-107.4036-2-15						0-N22954-04/01/77-15	15									83-3-8-4-6	-1	-1-1-3-4-2	-8															4.20
35-33.5197-107.4639-2-15						0-N22955-04/20/77-14	21									46-3-7-4-7	-1	-1-1-3-3-1	-1															4.90
35-33.5322-107.4893-2-15						0-N22956-04/21/77-14	21									65-3-7-4-7	-1	-1-1-3-3-1	-1															2.80
35-33.5097-107.4400-2-15						0-N22957-05/20/77-15	15									119-3-6-4-7	-1	-1-1-3-3-2	-1															3.30
35-33.5736-107.1103-2-15						0-N22958-04/01/77-9	15									20-1-1-4-1	-1	-2-3-2-3-2	-1															4.20
35-33.5492-107.1091-2-9						0-N22959-04/01/77-9	15									25-1-7-4-7	-1	-2-3-4-3-2	-1															3.90
35-33.5167-107.1144-2-15						0-N22960-04/01/77-9	15									20-1-7-4-7	-1	-1-3-3-2-2	-3															3.70
35-33.5831-107.1114-2-15						0-N22961-04/01/77-9	15									25-1-4-4-4	-1	-2-4-2-2-1	-3															3.60
35-33.5414-107.0908-2-15						0-N22962-04/01/77-10	15									35-1-7-4-7	-1	-2-3-2-3-1	-1															4.10
35-33.6056-107.1042-2-15						0-N22963-04/01/77-10	14									25-1-6-4-4	-1	-2-3-2-2-1	-1															3.20
35-33.6475-107.3100-2-15						0-N22965-04/01/77-11	16																											

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

DOE SAMPLE NUMBER						LASI SAMPLING LOCATION NUMBER AND FIELD DATA																			U CONCENTRATION									
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASI SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/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 ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-33.6853-107.2647-2-15-						0-N22969-04/01/77-12-	17-									20-3-4-4-4-	-1-	-2-3-3-4-1-	-3-														4.20	
35-33.6925-107.3394-2-15-						0-N22471-04/01/77-13-	17-									20-3-4-4-4-	-1-	-2-3-3-4-1-	-3-															4.20
35-33.6731-107.3550-2-15-						0-N22472-04/01/77-13-	17-									20-3-4-4-7-	-1-	-2-2-3-4-1-	-1-															4.60
35-33.7644-107.3069-2-15-						0-N22473-04/01/77-14-	17-									0-3-4-4-6-	-1-	-2-4-3-2-1-	-3-															4.20
35-33.7439-107.3453-2-15-						0-N22974-04/02/77-8-	13-									30-3-4-4-6-	-1-	-2-1-3-4-1-	-3-															4.00
35-33.7367-107.3153-2-15-						0-N22975-04/02/77-8-	13-									30-3-4-4-6-	-1-	-2-4-3-4-1-	-3-															3.70
35-33.7350-107.2926-2-15-						0-N22976-04/02/77-8-	13-									30-3-4-4-6-	-1-	-2-4-3-4-1-	-3-															4.00
35-33.7208-107.2694-2-15-						0-N22977-04/02/77-8-	13-									30-3-4-4-6-	-1-	-2-4-3-4-1-	-3-															3.80
35-33.7258-107.3228-2-15-						0-N22979-04/02/77-9-	13-									30-3-4-4-7-	-1-	-2-1-2-4-1-	-3-															3.20
35-33.7275-107.3231-2-15-						0-N22980-04/02/77-9-	13-									30-3-4-4-4-	-1-	-2-1-2-4-1-	-3-															3.10
35-33.6981-107.3039-2-15-						0-N22981-04/02/77-9-	13-									51-3-7-4-7-	-1-	-2-1-3-3-1-	-3-															4.90
35-33.6967-107.2989-2-15-						0-N22982-04/02/77-10-	14-									40-3-7-4-6-	-1-	-2-2-3-4-1-	-3-															3.70
35-33.6936-107.2922-2-15-						0-N22983-04/02/77-10-	14-									5-3-7-4-6-	-1-	-2-3-4-4-1-	-3-															5.80
35-33.7100-107.1254-2-15-						0-N22984-04/02/77-8-	16-									55-1-6-5-6-	-1-	-1-4-2-3-1-	-3-															3.00
35-33.7828-107.1374-2-15-						0-N22985-04/02/77-8-	16-									37-1-6-4-6-	-1-	-1-4-2-3-2-	-1-															3.20
35-33.7469-107.1414-2-15-						0-N22986-04/02/77-8-	17-									45-3-6-4-6-	-1-	-1-4-2-3-2-	-1-															3.20
35-33.7456-107.1453-2-15-						0-N22987-04/02/77-9-	17-									55-3-6-5-6-	-1-	-1-4-2-3-2-	-1-															3.20
35-33.8036-107.1428-2-15-						0-N22988-04/02/77-9-	17-									46-3-6-4-6-	-1-	-1-3-2-3-2-	-1-															4.00
35-33.8122-107.1374-2-15-						0-N22989-04/02/77-9-	17-									27-3-6-4-6-	-1-	-1-3-2-3-2-	-1-															3.60
35-33.8136-107.1294-2-15-						0-N22990-04/02/77-9-	17-									27-3-6-4-6-	-1-	-1-4-2-3-2-	-1-															3.90
35-33.8353-107.1522-2-15-						0-N22991-04/02/77-9-	9-									46-3-6-4-6-	-1-	-1-4-2-3-2-	-1-															4.00
35-33.8364-107.1499-2-15-						0-N22992-04/02/77-9-	17-									45-3-6-4-6-	-1-	-1-3-3-4-2-	-1-															3.60
35-33.7664-107.2003-2-15-						0-N22993-04/02/77-11-	19-									37-1-6-4-6-	-1-	-1-4-2-2-2-	-1-															2.90
35-33.7589-107.1731-2-15-						0-N22994-04/02/77-11-	18-									24-1-6-4-6-	-1-	-1-4-2-3-2-	-1-															3.70
35-33.7706-107.1725-2-15-						0-N22995-04/02/77-12-	18-									55-1-6-4-6-	-1-	-1-4-2-2-2-	-1-															3.60
35-33.7806-107.1925-2-15-						0-N22996-04/02/77-12-	19-									65-1-6-4-6-	-1-	-1-4-2-3-2-	-1-															3.70
35-33.7850-107.2025-2-15-						0-N22997-04/02/77-12-	19-									37-1-6-5-6-	-1-	-1-4-2-2-2-	-1-															3.60
35-33.8278-107.2399-2-15-						0-N22998-04/02/77-12-	19-									55-1-6-4-6-	-1-	-1-4-2-2-2-	-1-															5.90
35-33.8114-107.2303-2-15-						0-N22999-04/02/77-13-	19-									35-1-6-5-6-	-1-	-1-4-2-2-2-	-1-															4.00
35-33.7467-107.2491-2-15-						0-N23000-04/02/77-13-	19-									74-1-6-4-6-	-1-	-1-4-2-3-2-	-1-															3.80
35-33.8672-107.2214-2-15-						0-N23001-04/02/77-14-	19-									37-1-6-4-6-	-1-	-1-4-2-2-2-	-1-															3.20
35-33.8644-107.2150-2-15-						0-N23002-04/02/77-14-	19-									24-1-6-4-6-	-1-	-1-4-2-2-2-	-1-															3.70
35-33.8575-107.2042-2-15-						0-N23003-04/02/77-14-	19-									27-3-7-4-6-	-1-	-1-3-2-4-2-	-2-															3.90
35-33.8483-107.2297-2-15-						0-N23004-04/20/77-14-	19-									37-1-6-5-6-	-1-	-1-4-2-3-3-	-1-															3.90
35-33.8747-107.2058-2-15-						0-N23005-04/20/77-14-	19-									83-1-6-4-6-	-1-	-1-4-2-3-3-	-1-															3.20
35-33.8494-107.2472-2-15-						0-N23006-04/20/77-15-	20-									37-1-6-5-6-	-1-	-1-4-2-3-3-	-1-															3.60
35-33.8774-107.2639-2-15-						0-N23007-04/20/77-15-	20-									83-1-6-4-6-	-1-	-1-4-2-2-2-	-1-															4.30
35-33.8858-107.2469-2-15-						0-N23008-04/20/77-15-	20-									74-1-6-4-6-	-1-	-1-4-2-3-2-	-1-															5.80
35-33.8506-107.2411-2-15-						0-N23009-04/20/77-15-	20-									40-1-6-4-6-	-1-	-1-4-2-3-2-	-1-															3.60
35-33.4461-107.2169-2-15-						0-N23010-04/20/77-16-	18-									93-1-6-4-6-	-1-	-1-3-2-2-3-	-1-															3.90
35-33.4400-107.1981-2-15-						0-N23011-04/20/77-16-	18-									65-1-6-5-6-	-1-	-1-3-2-2-3-	-1-															4.00
35-33.4286-107.2231-2-15-						0-N23013-04/20/77-17-	18-									74-1-6-4-6-	-1-	-1-3-2-2-3-	-1-															3.90
35-33.4142-107.2259-2-15-						0-N23014-04/20/77-17-	18-									83-1-6-4-6-	-1-	-1-3-2-2-3-	-1-															4.90
35-33.4139-107.2351-2-15-						0-N23015-04/20/77-17-	17-									40-1-6-4-6-	-1-	-1-3-2-2-3-	-1-															3.10
35-33.4006-107.2304-2-15-						0-N23016-04/20/77-17-	17-									55-1-6-4-6-	-1-	-1-3-2-2-2-	-1-															2.90
35-33.3903-107.2333-2-15-						0-N23017-04/20/77-18-	16-									37-1-6-4-6-	-1-	-1-3-2-2-3-	-1-															2.70
35-33.3869-107.2147-2-15-						0-N23018-04/20/77-18-	16-									37-1-6-4-6-	-1-	-1-3-2-2-2-	-1-															3.20
35-33.3803-107.1817-2-15-						0-N23020-04/20/77-18-	16-																											

DOE SAMPLE NUMBER				LQS SAMPLE LOCATION NUMBER AND FIELD DATA																U CONCENTRATION														
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAST SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmho/cm)	SCINTILLOMETER (sc, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNIC) UNITS IN ppm
							DATE	HOUR																										
35-33-4062-107-2495-2-15	0-N23024-04/21/77-7	8-16	0-N23025-04/21/77-8	16	0	27-1-6-6-6	-1	-1-3-2-2-1	-1	6.40																								4.40
35-33-4250-107-2493-2-15	0-N23025-04/21/77-8	16	0-N23026-04/21/77-8	16	0	27-1-6-6-6	-1	-1-3-2-2-1	-1	4.40																								3.30
35-33-4653-107-2453-2-15	0-N23026-04/21/77-8	16	0-N23027-04/21/77-8	17	0	46-1-6-6-6	-1	-1-3-2-2-1	-1	3.30																								3.40
35-33-4829-107-2453-2-15	0-N23027-04/21/77-8	17	0-N23028-04/21/77-8	16	0	37-1-6-5-6	-1	-1-3-2-3-1	-1	3.40																								3.50
35-33-4829-107-2453-2-15	0-N23028-04/21/77-8	16	0-N23029-04/21/77-9	17	0	45-1-6-6-6	-1	-1-3-2-3-1	-1	2.80																								4.10
35-33-4829-107-2453-2-15	0-N23029-04/21/77-9	17	0-N23030-04/21/77-9	17	0	48-1-6-6-6	-1	-1-3-2-3-1	-1	5.10																								4.70
35-33-4829-107-2453-2-15	0-N23030-04/21/77-9	17	0-N23031-04/21/77-9	17	0	48-1-6-6-6	-1	-1-3-2-3-1	-1	4.30																								4.40
35-33-4829-107-2453-2-15	0-N23031-04/21/77-9	17	0-N23032-04/21/77-9	17	0	48-1-6-6-6	-1	-1-3-2-3-1	-1	2.90																								3.80
35-33-4829-107-2453-2-15	0-N23032-04/21/77-10	19	0-N23033-04/21/77-9	17	0	45-1-7-6-6	-1	-1-3-2-3-1	-1	3.80																								3.80
35-33-4829-107-2453-2-15	0-N23033-04/21/77-10	19	0-N23034-04/21/77-9	17	0	55-1-6-5-6	-1	-1-3-2-3-1	-1	4.40																								5.70
35-33-4829-107-2453-2-15	0-N23034-04/21/77-10	19	0-N23035-04/21/77-10	19	0	55-1-6-5-6	-1	-1-3-2-4-1	-1	5.20																								3.60
35-33-4829-107-2453-2-15	0-N23035-04/21/77-10	19	0-N23036-04/21/77-10	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	4.70																								4.70
35-33-4829-107-2453-2-15	0-N23036-04/21/77-10	19	0-N23037-04/21/77-10	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	4.80																								3.60
35-33-4829-107-2453-2-15	0-N23037-04/21/77-10	19	0-N23038-04/21/77-10	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23038-04/21/77-10	19	0-N23039-04/21/77-10	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	4.70																								4.70
35-33-4829-107-2453-2-15	0-N23039-04/21/77-10	19	0-N23040-04/21/77-11	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	5.20																								3.60
35-33-4829-107-2453-2-15	0-N23040-04/21/77-11	19	0-N23041-04/21/77-11	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	4.70																								4.70
35-33-4829-107-2453-2-15	0-N23041-04/21/77-11	19	0-N23042-04/21/77-11	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23042-04/21/77-11	19	0-N23043-04/21/77-12	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23043-04/21/77-12	19	0-N23044-04/21/77-12	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23044-04/21/77-12	19	0-N23045-04/21/77-12	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23045-04/21/77-12	19	0-N23046-04/21/77-12	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23046-04/21/77-12	19	0-N23047-04/21/77-12	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23047-04/21/77-12	19	0-N23048-04/21/77-12	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23048-04/21/77-12	19	0-N23049-04/21/77-12	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23049-04/21/77-12	19	0-N23050-04/21/77-13	20	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23050-04/21/77-13	20	0-N23051-04/21/77-14	21	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23051-04/21/77-14	21	0-N23052-04/21/77-14	21	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23052-04/21/77-14	21	0-N23053-04/21/77-14	21	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23053-04/21/77-14	21	0-N23054-04/21/77-15	22	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23054-04/21/77-15	22	0-N23055-04/21/77-15	22	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23055-04/21/77-15	22	0-N23056-04/21/77-15	22	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23056-04/21/77-15	22	0-N23057-04/21/77-17	21	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23057-04/21/77-17	21	0-N23058-04/21/77-17	21	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23058-04/21/77-17	21	0-N23059-04/21/77-17	21	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23059-04/21/77-17	21	0-N23060-04/21/77-17	21	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23060-04/21/77-17	21	0-N23061-04/21/77-17	21	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23061-04/21/77-17	21	0-N23062-04/21/77-18	20	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23062-04/21/77-18	20	0-N23063-04/21/77-18	19	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23063-04/21/77-18	19	0-N23064-04/21/77-18	20	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23064-04/21/77-18	20	0-N23065-04/22/77-8	16	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23065-04/22/77-8	16	0-N23066-04/22/77-8	16	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23066-04/22/77-8	16	0-N23067-04/22/77-9	17	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23067-04/22/77-9	17	0-N23068-04/22/77-9	17	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23068-04/22/77-9	17	0-N23069-04/22/77-9	17	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23069-04/22/77-9	17	0-N23070-04/22/77-9	17	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23070-04/22/77-9	17	0-N23071-04/22/77-9	17	0	46-1-6-6-6	-1	-1-3-2-4-1	-1	3.60																								4.70
35-33-4829-107-2453-2-15	0-N23071-04/22/77-9	17	0-N23072-04/22/77																															

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

[illegible]

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DOE SAMPLE NUMBER						LASI SAMPLE LOCATION NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REF/CATE	LASI SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCIN/CMF/20 (uCi/ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	AGITATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-33.1561-106.9049-2-15						0-N23185-05/19/77-11	38									8-1-6-4-6	-1	-3-3-3-1-1	-1													2.00		
35-33.1567-106.9111-2-15						0-N23186-05/19/77-11	38									5-1-6-4-6	-1	-3-3-3-2-1	-1														2.00	
35-33.2039-106.9214-2-15						0-N23187-06/19/77-11	38									9-1-6-4-6	-1	-3-3-3-2-1	-1														2.30	
35-33.2117-106.9044-2-15						0-N23188-06/19/77-11	38									6-1-6-4-6	-1	-3-3-3-2-1	-1														2.30	
35-33.2131-106.9008-2-15						0-N23189-06/19/77-11	38									-1-6-4-6	-1	-3-3-3-1-1	-1														2.30	
35-33.2061-106.8744-2-15						0-N23190-06/19/77-11	38									-1-6-4-6	-1	-3-3-3-1-1	-1														2.20	
35-33.1972-106.8649-2-15						0-N23191-05/19/77-11	39									5-1-6-4-6	-1	-3-3-3-1-1	-1															2.20
35-33.1894-106.8699-2-15						0-N23192-05/19/77-11	40									-1-6-4-6	-1	-3-3-3-1-1	-1															3.30
35-33.1794-106.8611-2-15						0-N23193-05/19/77-11	39									8-1-6-4-6	-1	-3-3-3-1-1	-1															2.10
35-33.1728-106.8533-2-15						0-N23194-05/19/77-11	39									11-1-6-4-6	-1	-3-3-3-1-1	-1															1.80
35-33.1714-106.8392-2-15						0-N23195-06/19/77-11	39									9-1-6-4-6	-1	-3-3-3-1-1	-1															4.70
35-33.2189-106.8742-2-15						0-N23196-05/19/77-11	39									9-1-6-4-6	-1	-3-3-3-1-1	-1															2.40
35-33.2344-106.8403-2-15						0-N23197-05/19/77-12	39									8-1-6-4-6	-1	-3-3-3-2-1	-1															2.00
35-33.2486-106.8499-2-15						0-N23198-05/19/77-12	39									6-1-6-4-6	-1	-3-3-3-1-1	-1															2.00
35-33.2292-106.8436-2-15						0-N23199-06/19/77-12	39									6-1-6-4-6	-1	-3-3-3-1-1	-1															2.40
35-33.2356-106.8708-2-15						0-N23200-06/19/77-11	39									13-1-6-4-6	-1	-3-3-3-1-1	-1															2.20
35-33.2381-106.8133-2-15						0-N23201-05/19/77-11	38									12-1-6-4-6	-1	-3-3-3-1-1	-1															2.40
35-33.2433-106.8000-2-15						0-N23202-06/19/77-11	38									12-1-6-4-6	-1	-3-3-3-1-1	-1															2.10
35-33.2486-106.7711-2-15						0-N23203-06/19/77-12	39									7-1-7-3-7	-1	-3-3-3-1-1	-1															2.30
35-33.2400-106.7554-2-15						0-N23204-06/19/77-12	39									5-1-6-3-7	-1	-3-3-3-3-1	-1															2.40
35-33.2356-106.7991-2-15						0-N23205-06/19/77-13	39									7-1-7-4-7	-1	-3-3-3-1-1	-1															2.00
35-33.2300-106.7881-2-15						0-N23206-06/19/77-12	39									9-1-7-6-6	-1	-3-3-3-1-1	-1															2.00
35-33.2206-106.7791-2-15						0-N23207-06/19/77-12	39									9-1-7-3-7	-1	-3-3-3-2-1	-1															2.80
35-33.2175-106.7917-2-15						0-N23208-06/19/77-13	40									12-1-7-4-7	-1	-3-3-3-2-2	-1															2.70
35-33.2028-106.8056-2-15						0-N23210-06/19/77-13	37									-1-6-4-6	-1	-3-3-3-2-2	-1															2.70
35-33.1947-106.8014-2-15						0-N23211-06/19/77-12	40									-1-7-4-7	-1	-3-3-3-2-1	-1															2.60
35-33.1872-106.7983-2-15						0-N23212-06/19/77-13	37									7-1-6-4-6	-1	-3-3-3-2-2	-1															2.00
35-33.1822-106.7958-2-15						0-N23213-06/19/77-13	38									13-1-7-4-7	-1	-3-3-3-2-1	-1															2.80
35-33.1761-106.7883-2-15						0-N23214-06/19/77-13	37									9-1-6-4-6	-1	-3-3-3-2-2	-1															2.00
35-33.1722-106.7847-2-15						0-N23215-06/19/77-14	38									6-1-7-3-7	-1	-3-3-3-2-1	-1															2.10
35-33.1803-106.7659-2-15						0-N23216-06/19/77-14										9-1-7-4-7	-1	-3-3-3-2-2	-1															2.60
35-33.1742-106.7550-2-15						0-N23217-06/19/77-14	38									14-1-7-3-7	-1	-3-3-3-3-2	-1															2.00
35-33.1553-106.7936-2-15						0-N23218-06/19/77-13	37									9-1-6-4-6	-1	-3-3-3-2-2	-1															2.00
35-33.1489-106.7893-2-15						0-N23219-06/19/77-13	37									7-1-6-4-6	-1	-3-3-3-2-2	-1															2.30
35-33.1349-106.7734-2-15						0-N23220-06/13/77-14	30									8-1-7-3-4	-1	-3-3-3-2-2	-1															2.30
35-33.1411-106.7586-2-15						0-N23221-06/19/77-14	37									7-1-7-3-7	-1	-3-3-3-3-2	-1															2.80
35-33.1239-106.7822-2-15						0-N23222-06/19/77-13	37									13-1-6-3-7	-1	-3-3-3-3-2	-1															2.00
35-33.1147-106.7817-2-15						0-N23223-06/19/77-13	37									9-1-6-5-7	-1	-3-3-3-3-2	-1															2.00
35-33.1031-106.7811-2-15						0-N23224-06/19/77-14	36									5-1-7-3-7	-1	-3-3-3-2-2	-1															2.40
35-33.0942-106.7828-2-15						0-N23225-06/19/77-14	36									8-1-7-3-7	-1	-3-3-3-2-2	-1															2.30
35-33.0819-106.7708-2-15						0-N23226-06/19/77-13	37									6-1-6-3-7	-1	-3-3-3-3-2	-1															2.10
35-33.0814-106.7603-2-15						0-N23227-06/19/77-15	36									9-1-7-3-6	-1	-3-3-3-2-2	-1															2.30
35-33.0661-106.7706-2-15						0-N23228-06/19/77-15	36									5-1-7-3-7	-1	-3-3-3-3-2	-1															2.80
35-33.0567-106.7651-2-15						0-N23229-06/19/77-15	36									16-1-7-3-7	-1	-3-3-3-3-2	-1															2.60
35-33.0456-106.7733-2-15						0-N23230-06/19/77-15	37									6-1-7-3-7	-1	-3-3-3-2-2	-1															2.30
35-33.0175-106.7542-2-15						0-N23231-06/19/77-13	37									12-1-7-3-7	-1	-3-3-3-3-2	-1															2.10
35-33.0183-106.7622-2-15						0-N23232-06/19/77-15	36									17-1-6-3-7	-1	-3-3-3-3-2	-1															2.30
35-33.0275-106.7858-2-15						0-N23233-06/19/77-15	35									9-1-7-3-7	-1	-3-3-3-1-2	-1															2.20
35-33.0322-106.7972-2-15						0-N23234-06/19/77-15	36									7-1-7-3-7	-1	-3-3-3-2-2	-1															2.30
35-33.0367-106.8053-2-15						0-N23235-06/19/77-16	37									12-1-6-3-7	-1	-3-3-3-2-2	-1															2.30
35-33.0406-106.8136-2-15						0-N23236-06/19/77-16	37									11-1-7-3-7	-1	-3-3-3-2-2	-1															2.30

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

DOE SAMPLE NUMBER				LASI SAMPLE LOCATION NUMBER AND FIELD DATA										U CONCENTRATION																			
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASI SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (au, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELTAED NEUTRON COUNTING (DNC)	UNITS IN ppm
							DATE	HOUR																									
35-33	0472-106	A272-2-15	0	N23237	06/19/77	16	36	-	-	-	-	-	-	-	11-1	1-3	6	-	1	-	3	3	3	2	2	-	-	-	-	-	2.0		
35-33	0531-106	A373-2-15	0	N23238	06/19/77	16	36	-	-	-	-	-	-	-	9-1	1-3	6	-	1	-	3	3	3	2	2	-	-	-	-	-	2.40		
35-33	0556-106	A431-2-15	0	N23239	06/19/77	16	36	-	-	-	-	-	-	-	1-1	1-4	6	-	1	-	3	3	3	2	2	-	-	-	-	-	2.40		
35-33	0611-106	A561-2-15	0	N23240	06/19/77	16	36	-	-	-	-	-	-	-	7-1	1-3	7	-	1	-	3	3	3	2	2	-	-	-	-	-	2.40		
35-33	0450-106	A022-2-15	0	N23241	06/19/77	17	36	-	-	-	-	-	-	-	7-1	1-4	6	-	1	-	3	3	3	2	2	-	-	-	-	-	2.70		
35-33	0467-106	A174-2-15	0	N23242	06/19/77	17	36	-	-	-	-	-	-	-	8-1	1-3	7	-	1	-	3	3	3	2	2	-	-	-	-	-	2.50		
35-33	0494-106	A389-2-15	0	N23243	06/19/77	18	35	-	-	-	-	-	-	-	15-1	1-4	6	-	1	-	3	3	3	2	2	-	-	-	-	-	2.50		
35-33	1000-106	A803-2-15	0	N23244	06/19/77	18	34	-	-	-	-	-	-	-	1-1	1-6	4	-	1	-	3	3	3	2	2	-	-	-	-	-	2.50		
35-33	0422-106	A803-2-15	0	N23245	06/19/77	18	34	-	-	-	-	-	-	-	7-1	1-4	6	-	1	-	3	3	3	2	2	-	-	-	-	-	2.70		
35-33	0706-106	A092-2-15	0	N23246	06/19/77	18	35	-	-	-	-	-	-	-	6-1	1-3	7	-	1	-	3	3	3	2	2	-	-	-	-	-	2.40		
35-33	0672-106	A028-2-15	0	N23247	06/19/77	18	35	-	-	-	-	-	-	-	7-1	1-4	6	-	1	-	3	3	3	2	2	-	-	-	-	-	2.40		
35-33	0669-106	A944-2-15	0	N23248	06/19/77	18	35	-	-	-	-	-	-	-	7-1	1-4	6	-	1	-	3	3	3	2	2	-	-	-	-	-	2.40		
35-33	0650-106	A775-2-15	0	N23249	06/19/77	19	35	-	-	-	-	-	-	-	5-1	1-3	4	-	1	-	3	3	3	2	2	-	-	-	-	-	2.50		
35-33	0642-106	A697-2-15	0	N23250	06/19/77	19	35	-	-	-	-	-	-	-	10-1	1-3	4	-	1	-	3	3	3	2	2	-	-	-	-	-	2.50		
35-33	0192-106	A671-2-15	0	N23251	06/09/77	19	34	-	-	-	-	-	-	-	7-1	1-4	6	-	1	-	3	3	3	2	2	-	-	-	-	-	2.70		
35-33	0921-106	A775-2-15	0	N23252	06/19/77	19	35	-	-	-	-	-	-	-	13-1	1-6	4	-	1	-	3	3	3	2	2	-	-	-	-	-	3.00		
35-33	0800-106	A494-2-15	0	N23253	06/19/77	19	34	-	-	-																							

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DOE SAMPLE NUMBER						LASI SAMPLE LOCATION NUMBER AND FIELD DATA																				U CONCENTRATION									
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASI SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIFIC MEASUREMENTS	PH	SPECIFIC CONDUCTANCE ($\mu\text{mho/cm}$)	SCINTILLOMETER (eU/ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC)	UNITS IN ppm
							DATE	HOUR																											
35-33.0925-107.1814-2-11-						0-N23289-06/20/77-13-			33-21.5-				7.5-	950-		9-1-6-4-6-2-3-1-3-4-3-4-3-	-1-																	3,30	
35-33.1053-107.1844-2-10-						0-N23290-06/20/77-14-			33-							11-1-6-4-6-1-	-3-3-3-3-3-	-1-																	2,90
35-33.1156-107.1919-2-10-						0-N23291-06/20/77-14-			30-							10-1-6-4-6-1-	-3-3-3-3-3-	-1-																	3,30
35-33.0811-107.1733-2-10-						0-N23292-06/20/77-15-			31-							12-1-6-4-6-1-	-3-3-3-3-3-	-1-																	3,10
35-33.0728-107.1659-2-11-						0-N23293-06/20/77-15-			31-19.6-				7.3-	1130-		7-1-6-4-6-2-3-1-3-3-3-3-3-	-1-																		3,30
35-33.0639-107.1742-2-10-						0-N23295-06/20/77-15-			30-							8-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,60
35-33.0158-107.1811-2-10-						0-N23296-06/20/77-15-			30-							8-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,30
35-33.0069-107.1622-2-10-						0-N23297-06/20/77-15-			30-							25-1-6-4-6-1-	-3-3-3-2-3-	-1-																	6,60
35-33.0244-107.1703-2-10-						0-N23298-06/20/77-16-			30-							19-1-6-4-6-1-	-3-3-3-2-3-	-1-																	4,70
35-33.0364-107.1800-2-10-						0-N23299-06/20/77-16-			30-							15-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,50
35-33.0608-107.1531-2-10-						0-N23300-06/20/77-16-			31-							7-1-6-4-6-1-	-3-3-3-2-3-	-1-																	4,10
35-33.0450-107.1433-2-10-						0-N23301-06/20/77-16-			31-							13-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,20
35-33.0364-107.1375-2-10-						0-N23302-06/20/77-16-			31-							13-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,40
35-33.0311-107.1353-2-10-						0-N23303-06/20/77-16-			31-							13-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,30
35-33.0219-107.1319-2-10-						0-N23304-06/20/77-16-			31-							9-1-1-3-1-	-3-3-3-2-3-	-1-																	3,20
35-33.0258-107.1156-2-10-						0-N23305-06/20/77-15-			31-							18-1-6-4-6-1-	-3-3-3-2-3-	-1-																	4,00
35-33.0136-107.1256-2-10-						0-N23306-06/20/77-16-			31-							-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,60
35-33.0025-107.1203-2-10-						0-N23307-06/20/77-15-			31-							12-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,90
35-33.0092-107.1136-2-10-						0-N23308-06/20/77-17-			31-							-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,20
35-33.0203-107.0914-2-10-						0-N23309-06/20/77-15-			31-							14-1-6-4-6-1-	-3-3-3-3-3-	-1-																	3,90
35-33.0636-107.1325-2-10-						0-N23310-06/20/77-17-			31-							17-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,90
35-33.0814-107.1372-2-10-						0-N23311-06/20/77-17-			32-							14-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,40
35-33.0928-107.1172-2-10-						0-N23312-06/20/77-17-			32-							11-1-4-4-4-1-	-3-3-3-1-3-	-1-																	2,90
35-33.1064-107.1161-2-10-						0-N23313-06/20/77-17-			36-							6-1-4-4-4-1-	-3-3-3-1-3-	-1-																	3,10
35-33.0867-107.0889-2-10-						0-N23314-06/20/77-17-			32-							17-1-6-4-6-1-	-3-3-3-1-3-	-1-																	3,60
35-33.0642-107.1037-2-10-						0-N23315-06/20/77-17-			31-							11-1-6-4-6-1-	-3-3-3-1-3-	-1-																	3,00
35-33.0661-107.0706-2-10-						0-N23317-06/20/77-18-			30-							24-1-6-4-6-1-	-3-3-3-1-3-	-1-																	4,00
35-33.0811-107.0667-2-10-						0-N23318-06/20/77-18-			30-							17-1-3-4-3-1-	-3-3-3-1-3-	-1-																	3,90
35-33.0639-107.0239-2-10-						0-N23321-06/20/77-18-			31-							10-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,20
35-33.0381-107.0278-2-10-						0-N23323-06/20/77-18-			30-							8-1-6-4-6-1-	-3-3-3-2-3-	-1-																	2,90
35-33.0567-107.0192-2-10-						0-N23324-06/20/77-18-			31-							15-1-4-4-4-1-	-3-3-3-2-3-	-1-																	3,20
35-33.0414-107.0158-2-10-						0-N23325-06/20/77-18-			30-							8-1-6-4-6-1-	-3-3-3-1-3-	-1-																	2,90
35-33.0167-107.0106-2-10-						0-N23326-06/20/77-18-			30-							11-1-6-4-6-1-	-3-3-3-1-3-	-1-																	3,30
35-33.0011-107.0247-2-10-						0-N23327-06/20/77-19-			30-							12-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,00
35-33.0947-107.0458-2-10-						0-N23328-06/20/77-18-			30-							7-1-6-4-6-1-	-3-3-3-1-3-	-1-																	3,70
35-33.1072-107.0658-2-10-						0-N23329-06/20/77-18-			30-							13-1-6-4-6-1-	-3-3-3-1-3-	-1-																	3,60
35-33.1178-107.0967-2-10-						0-N23330-06/20/77-19-			30-							10-1-6-4-6-1-	-3-3-3-2-3-	-1-																	3,90
35-33.1411-107.1022-2-10-						0-N23333-06/20/77-19-			30-							9-1-6-4-6-1-	-3-3-3-2-3-	-1-																	2,80
35-33.1417-107.0847-2-10-						0-N23334-06/20/77-19-			30-							18-1-6-4-6-1-	-3-3-3-1-3-	-1-																	3,10
35-33.1958-107.0714-2-9b-						0-N23335-06/20/77-19-			30-							12-1-6-4-6-1-	-3-3-3-1-3-	-1-																	2,10
35-33.1714-107.0617-2-10-						0-N23336-06/20/77-19-			30-							16-1-6-4-6-1-	-3-3-3-1-3-	-1-																	3,40
35-33.2289-107.0439-2-10-						0-N23337-06/20/77-20-			32-							10-1-6-4-6-1-	-3-3-3-1-2-	-1-																	2,70
35-33.2303-107.0651-2-10-						0-N23338-06/20/77-20-			29-							16-1-6-4-6-1-	-3-4-3-1-2-	-1-																	3,90
35-33.2469-107.0714-2-10-						0-N23340-06/20/77-20-			29-							16-1-6-4-6-1-	-3-4-3-1-2-	-1-																	3,80
35-33.1411-107.1417-2-10-						0-N23341-06/20/77-21-			30-							17-1-6-4-6-1-	-3-4-2-1-2-	-1-																	2,80
35-33.1383-107.1461-2-10-						0-N23342-06/20/77-21-			27-							16-1-6-4-6-1-	-3-4-2-2-2-	-1-																	6,20
35-33.1372-107.1794-2-10-						0-N23343-06/20/77-21-			30-							10-1-6-4-6-1-	-3-4-2-2-2-	-1-																	4,90
35-33.2614-107.0200-2-10-						0-N23344-06/21/77-			8-25-							14-1-6-4-6-1-	-3-3-3-1-2-	-1-																	2,90
35-33.2642-107.0381-2-10-						0-N23345-06/21/77-			8-26-							2-1-6-4-6-1-	-3-4-3-1-2-	-1-																	2,90
35-33.2578-107.0569-2-10-						0-N23346-06/21/77-			9-26-							12-1-6-4-6-1-	-3-4-3-1-2-	-1-																	3,30
35-33.2553-107.0676-2-10-						0-N23347-06/21/77-			9-27-							18-1-6-4-6-1-	-3-4-3-1-2-	-1-																	2,20

[illegible]

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[illegible]

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																	U CONCENTRATION											
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECUL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (td, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN PPM
							DATE	HOUR																										
35	33	3536-106	A461-2-15			0-N23456-07/10/77-12	36								8-1-6-4-6	-1	-3-3-2-1-2	-1																2.60
35	33	3517-106	A464-2-15			0-N23457-07/10/77-13	35								8-1-6-4-6	-1	-3-3-2-1-2	-1																2.60
35	33	3500-106	A462-2-15			0-N23458-07/10/77-13	37								4-1-6-4-6	-1	-3-3-2-1-2	-1																2.90
35	33	3483-106	A792-2-15			0-N23459-07/10/77-13	37								10-1-6-4-6	-1	-3-3-2-1-2	-1																3.00
35	33	3450-106	A887-2-15			0-N23460-07/10/77-14	38								13-1-6-4-6	-1	-3-3-2-1-2	-1																2.40
35	33	3425-106	A922-2-15			0-N23461-07/10/77-14	37								18-1-6-4-6	-1	-3-3-2-1-2	-1																2.90
35	33	3419-106	A961-2-15			0-N23462-07/10/77-14	36								18-1-6-4-6	-1	-3-3-2-1-2	-1																2.60
35	33	3386-106	A053-2-15			0-N23463-07/10/77-15	32								13-1-6-4-6	-1	-3-3-2-1-2	-1																2.80
35	33	3364-106	A106-2-15			0-N23464-07/10/77-15	38								13-1-6-4-6	-1	-3-3-2-1-2	-1																3.30
35	33	3322-106	A222-2-15			0-N23465-07/10/77-15	38								10-1-6-4-6	-1	-3-3-2-1-2	-1																2.60
35	33	3300-106	A317-2-15			0-N23466-07/10/77-16	37								14-1-6-4-6	-1	-3-3-2-1-2	-1																2.90
35	33	3283-106	A369-2-15			0-N23467-07/10/77-16	36								10-1-6-4-6	-1	-3-3-2-1-2	-1																2.70
35	33	3181-106	A467-2-15			0-N23468-07/10/77-16	36								14-1-6-4-6	-1	-3-3-2-1-2	-1																3.00
35	33	3150-106	A933-2-15			0-N23469-07/10/77-16	38								7-1-6-4-6	-1	-3-3-2-1-2	-1																2.80
35	33	3089-106	A991-2-15			0-N23470-07/10/77-17	35								5-1-6-4-6	-1	-3-3-2-1-2	-1																2.20
35	33	2922-106	A983-2-15			0-N23471-07/10/77-17	36								5-1-6-4-6	-1	-3-3-2-1-2	-1																2.80
35	33	7025-106	A142-2-15			0-N23472-07/09/77-10	31								-1-6-4-6	-1	-3-3-3-1-1	-1																2.70
35	33	7547-106	A825-2-15			0-N23473-07/09/77-10	31								-1-6-4-6	-1	-3-3-3-1-1	-1																2.90
35	33	7703-106	A617-2-15			0-N23474-07/09/77-10	31								-1-6-4-6	-1	-3-3-3-1-1	-1																2.90
35	33	7536-106	A181-2-15			0-N23475-07/09/77-10	31								-1-6-4-6	-1	-3-3-3-1-1	-1																2.60
35	33	8083-106	A745-2-15			0-N23476-07/09/77-10	32								-1-6-4-6	-1	-3-3-3-1-1	-1																2.20
35	33	7514-106	A783-2-15			0-N23477-07/09/77-10	32								-1-6-4-6	-1	-3-3-3-1-1	-1																2.10
35	33	7497-106	A783-2-15			0-N23478-07/09/77-10	32								-1-6-4-6	-1	-3-3-3-1-1	-1																2.80
35	33	7450-106	A739-2-15			0-N23479-07/09/77-10	32								-1-6-4-6	-1	-3-3-3-1-1	-1																3.00
35	33	7450-106	A703-2-15			0-N23480-07/09/77-10	32								-1-6-4-6	-1	-3-3-3-1-1	-1																2.90
35	33	7358-106	A733-2-15			0-N23481-07/09/77-11	30								-1-6-4-6	-1	-3-3-3-1-1	-1																2.70
35	33	7300-106	A764-2-15			0-N23482-07/09/77-11	30								-1-6-4-6	-1	-3-3-3-1-1	-1																2.80
35	33	7233-106	A772-2-15			0-N23483-07/09/77-11	30								-1-6-4-6	-1	-3-3-3-1-1	-1																2.90
35	33	7156-106	A793-2-15			0-N23484-07/09/77-11	30								-1-6-4-6	-1	-3-3-3-1-1	-1																2.90
35	33	7083-106	A804-2-15			0-N23485-07/09/77-11	30								-1-6-4-6	-1	-3-3-3-1-1	-1																1.60
35	33	7017-106	A815-2-15			0-N23486-07/09/77-11	30								-1-6-4-6	-1	-3-3-3-1-1	-1																2.60
35	33	7128-106	A829-2-15			0-N23487-07/09/77-12	30								-1-6-4-6	-1	-3-3-3-1-1	-1																2.40
35	33	7353-106	A827-2-15			0-N23488-07/09/77-12	30								-1-6-4-6	-1	-3-3-3-1-1	-1																3.10
35	33	7147-106	A837-2-15			0-N23489-07/09/77-12	30								-1-6-4-6	-1	-3-3-3-1-1	-1																2.70
35	33	7150-106	A852-2-15			0-N23490-07/09/77-12	30								-1-6-4-6	-1	-3-3-3-1-1	-1																2.60
35	33	6953-106	A119-2-15			0-N23491-07/09/77-13	32								-1-6-4-6	-1	-3-3-3-2-1	-1																2.60
35	33	6847-106	A169-2-15			0-N23492-07/09/77-13	32								-1-6-4-6	-1	-3-3-3-1-1	-1																2.70
35	33	6767-106	A829-2-15			0-N23493-07/09/77-13	32								-1-6-4-6	-1	-3-3-3-1-1	-1																2.60
35	33	6756-106	A804-2-15			0-N23494-07/09/77-13	32								-1-6-4-6	-1	-3-3-3-1-1	-1																2.60
35	33	6750-106	A793-2-15			0-N23495-07/09/77-14	33								-1-6-4-6	-1	-3-3-3-1-1	-1																2.20
35	33	6733-106	A770-2-15			0-N23496-07/09/77-14	32								-1-6-4-6	-1	-3-3-3-1-1	-1																2.30
35	33	6725-106	A752-2-15			0-N23497-07/09/77-14	33								-1-6-4-6	-1	-3-3-3-1-1	-1																2.60
35	33	6556-106	A759-2-15			0-N23498-07/09/77-14	33								-1-6-4-6	-1	-3-3-3-1-1	-1																3.20
35	33	6503-106	A779-2-15			0-N23499-07/09/77-15	35								-1-6-4-6	-1	-3-3-3-1-1	-1																2.80
35	33	6453-106	A796-2-15			0-N23500-07/09/77-15	34								-1-6-4-6	-1	-3-3-3-1-1	-1																3.20
35	33	6517-106	A801-2-15			0-N23501-07/09/77-15	34								-1-6-4-6	-1	-3-3-3-1-1	-1																3.30
35	33	6583-106	A819-2-15			0-N23502-07/09/77-15	34								-1-6-4-6	-1	-3-3-3-1-1	-1																2.20
35	33	6525-106	A827-2-15			0-N23503-07/09/77-15	34								-1-6-4-6	-1	-3-3-3-1-1	-1																3.00
35	33	6522-106	A861-2-15			0-N23504-07/09/77-16	33								-1-6-4-6	-1	-3-3-3-1-1	-1																3.10
35	33	6622-106	A841-2-15			0-N23505-07/09/77-16	32								-1-6-4-6	-1	-3-3-3-1-1	-1																3.50
35	33	6492-106	A867-2-15			0-N23506-07/09/77-16</																												

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

DOE SAMPLE NUMBER					LASL SAMPLE LOCATION NUMBER AND FIELD DATA																								U CONCENTRATION						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
35-33.6350-106.8367-2-13-	0-N23507-07/09/77-16-	32-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.40	
35-33.6286-106.8400-2-13-	0-N23508-07/09/77-16-	32-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.70	
35-33.6317-106.8167-2-13-	0-N23509-07/09/77-16-	32-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.10	
35-33.6181-106.8053-2-13-	0-N23510-07/09/77-16-	32-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.30	
35-33.6008-106.7861-2-13-	0-N23511-07/09/77-17-	30-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.30	
35-33.6228-106.7931-2-13-	0-N23512-07/09/77-17-	30-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.30	
35-33.6064-106.8169-2-13-	0-N23513-07/09/77-18-	30-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.60	
35-33.6108-106.8369-2-13-	0-N23514-07/09/77-18-	28-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.30	
35-33.6089-106.8647-2-13-	0-N23515-07/09/77-16-	30-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.70	
35-33.7517-106.7517-2-13-	0-N23516-07/10/77-9-	26-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.60	
35-33.7625-106.7650-2-13-	0-N23517-07/10/77-9-	26-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.60	
35-33.7569-106.7914-2-13-	0-N23518-07/10/77-9-	27-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.50	
35-33.7517-106.7983-2-13-	0-N23519-07/10/77-9-	27-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.30	
35-33.7600-106.8064-2-13-	0-N23520-07/10/77-10-	29-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.30	
35-33.7681-106.8189-2-13-	0-N23521-07/10/77-10-	29-															-1-6-4-6-	-1-	-3-3-3-1-1-	-1-														2.30	
35-33.5803-107.0099-2-96-	0-N23522-07/27/77-18-	35-															13-7-8-5-6-	-1-	-3-3-3-2-2-	-1-														2.60	
35-33.5869-107.0367-2-13-	0-N23523-07/29/77-19-	34-															12-7-8-4-6-	-1-	-2-3-3-2-2-	-1-														2.70	
35-33.5475-107.0150-2-13-	0-N23525-07/29/77-19-	33-															15-7-8-4-6-	-1-	-2-3-3-3-2-	-1-														2.30	
35-33.5414-107.0156-2-13-	0-N23526-07/29/77-20-	31-															11-7-8-4-6-	-1-	-3-3-3-2-2-	-1-														4.50	
35-33.5039-107.0156-2-13-	0-N23527-07/29/77-20-	30-															7-4- -4-6-	-1-	-3-3-3-2-2-	-1-														3.40	
35-33.4650-107.0567-2-13-	0-N23529-07/29/77-20-	30-															15-4-7-5-7-	-1-	-1-3-2-1-1-	-1-														2.80	
35-33.4625-107.0544-2-13-	0-N23530-07/29/77-20-	29-															7-4- -5-7-	-1-	-1-3-2-1-1-	-1-														3.00	
35-33.4469-107.0472-2-97-	0-N23531-07/30/77-6-	27-															14-1-7-5-7-	-1-	-2-2-2-1-	-9-														3.90	
35-33.4392-107.0217-2-13-	0-N23532-07/30/77-6-	27-															8-7-8-4-6-	-1-	-3-3-2-2-1-	-1-														2.90	
35-33.4594-107.0039-2-13-	0-N23533-07/30/77-1-	28-															7-7-8-4-7-	-1-	-3-2-2-3-1-	-1-														2.40	
35-33.4278-107.0381-2-13-	0-N23534-07/30/77-7-	29-															8-1-7-4-7-	-1-	-3-2-3-2-1-	-1-														2.40	
35-33.4194-107.0339-2-13-	0-N23535-07/30/77-7-	28-															8-4- -5-7-	-1-	-3-2-2-1-1-	-1-														3.00	
35-33.4328-107.0472-2-13-	0-N23536-07/30/77-7-	29-															8-1-7-5-7-	-1-	-1-3-3-2-1-	-1-														2.90	
35-33.4203-107.0475-2-13-	0-N23537-07/30/77-7-	28-															9-1-7-4-7-	-1-	-1-3-3-2-1-	-1-														2.70	
35-33.4142-107.0472-2-13-	0-N23538-07/30/77-8-	29-															8-1-7-4-7-	-1-	-1-3-3-2-1-	-1-														2.80	
35-33.4089-107.0478-2-13-	0-N23539-07/30/77-8-	29-															6-1-7-2-7-	-1-	-1-3-3-2-1-	-1-														2.70	
35-33.4050-107.0472-2-13-	0-N23540-07/30/77-8-	29-															23-1-7-4-7-	-1-	-1-3-3-2-1-	-1-														2.80	
35-33.4008-107.0483-2-13-	0-N23541-07/30/77-8-	29-															3-1-7-3-7-	-1-	-1-3-3-3-2-	-1-														2.80	
35-33.3972-107.0492-2-13-	0-N23542-07/30/77-8-	30-															6-1-7-3-7-	-1-	-1-3-3-3-1-	-1-														2.30	
35-33.3842-107.0439-2-13-	0-N23543-07/30/77-8-	30-															6-1-7-3-7-	-1-	-1-3-3-3-1-	-1-														2.90	
35-33.3789-107.0419-2-13-	0-N23544-07/30/77-8-	30-															5-1-7-3-7-	-1-	-1-3-3-3-1-	-1-														3.20	
35-33.4653-107.0264-2-97-	0-N23545-07/30/77-9-	31-															9-7-8-4-6-	-1-	-1-3-2-3-1-	-1-														2.70	
35-33.4994-107.0086-2-97-	0-N23546-07/30/77-9-	31-															8-7-8-5-7-	-1-	-1-2-2-2-1-	-1-														2.70	
35-33.5267-106.9922-2-13-	0-N23547-07/30/77-9-	35-															4-7-8-4-7-	-1-	-2-3-3-3-1-	-1-														2.40	
35-33.5597-106.9714-2-13-	0-N23548-07/30/77-10-	37-															6-7-8-4-7-	-1-	-3-3-3-2-1-	-1-														2.30	
35-33.5883-106.9356-2-13-	0-N23550-07/30/77-10-	37-															7-7-8-4-6-	-1-	-3-3-2-3-2-	-1-														2.70	
35-33.5969-106.9242-2-97-	0-N23551-07/30/77-10-	37-															7-7-8-4-6-	-1-	-1-4-2-3-2-	-1-														2.30	
35-33.6067-106.9133-2-97-	0-N23553-07/30/77-11-	38-															12-7-8-4-7-	-1-	-1-4-3-3-2-	-1-														2.70	
35-33.6078-106.9156-2-13-	0-N23554-07/30/77-11-	38-															5-7-8-4-7-	-1-	-3-4-3-3-2-	-1-														2.80	
35-33.6019-106.9639-2-13-	0-N23555-07/30/77-11-	38-															4-7-8-4-7-	-1-	-2-3-2-3-2-	-1-														2.90	
35-33.5886-106.9711-2-13-	0-N23556-07/30/77-11-	37-															11-7-8-4-6-	-1-	-2-4-2-3-2-	-1-														2.70	
35-33.6197-106.9153-2-97-	0-N23557-07/30/77-12-	38-															4-4- -4-6-	-1-	-3-2-2-2-	-1-														2.40	
35-33.6356-106.9222-2-97-	0-N23558-07/30/77-12-	38-															6-4- -4-6-	-1-	-3-3-2-2-	-1-														2.50	
35-33.6167-106.8983-2-96-	0-N23559-07/30/77-12-	38-															9-7-8-4-6-	-1-	-1-3-3-2-2-	-1-														2.10	
35-33.6236-106.8800-2-96-	0-N23560-07/30/77-12-	39-															9-4- -4-7-	-1-	-1-3-2-2-2-	-1-														2.30	
35-33.5964-106.7444-2-96-	0-N23562-07/30/77-13-	40-															9-7-8-4-6-	-1-	-1-3-3-2-2-	-1-														2.10	

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																		U CONCENTRATION											
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/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 ANALYZED BY DELAYED NEUTRON COUNTING (DNC)	UNITS IN ppm
							DATE	HOUR																											
35	33.5597	-106.7533	-2-9b			0-N23563	07/30/77	14	41		-C	-	-	-	14-3-4-4-7	-1	-1-4-3-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40	
35	33.5494	-106.7567	-2-9f			0-N23564	07/30/77	14	41		-	-	-	-	6-3-4-4-7	-1	-1-4-3-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40	
35	33.5389	-106.7558	-2-9f			0-N23565	07/30/77	14	41		-	-	-	-	8-3-4-4-7	-1	-1-4-3-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
35	33.5342	-106.7558	-2-9f			0-N23566	07/30/77	14	41		-	-	-	-	6-3-4-4-6	-1	-1-4-2-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
35	33.5239	-106.7536	-2-1b			0-N23567	07/30/77	14	41		-	-	-	-	7-3-4-4-6	-1	-1-3-2-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
35	33.5131	-106.7511	-2-9b			0-N23568	07/30/77	14	41		-	-	-	-	2-3-4-4-7	-1	-1-4-2-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10	
35	33.5181	-106.7503	-2-9b			0-N23569	07/30/77	14	41		-	-	-	-	1-3-4-4-7	-1	-3-4-2-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40	
35	33.6333	-106.7506	-2-9b			0-N23571	07/30/77	16	41		-	-	-	-	5-3-4-4-7	-1	-3-3-2-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35	33.0144	-106.5525	-2-1b			0-N23572	06/03/77	9	28		-	-	-	-	22-1-6-5-6	-1	-1-4-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
35	33.0022	-106.5633	-2-1b			0-N23573	06/02/77	9	28		-	-	-	-	27-1-6-5-6	-1	-1-3-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
35	33.0425	-106.5631	-2-1b			0-N23574	06/03/77	9	28		-	-	-	-	18-1-6-5-6	-1	-1-3-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.60	
35	33.0678	-106.5522	-2-1b			0-N23575	06/03/77	10	28		-	-	-	-	39-1-7-5-7	-1	-1-3-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
35	33.0883	-106.5522	-2-1b			0-N23576	06/03/77	10	30		-	-	-	-	18-1-6-5-6	-1	-1-3-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
35	33.1069	-106.5467	-2-1b			0-N23577	06/03/77	10	28		-	-	-	-	27-1-7-5-7	-1	-1-3-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
35	33.1208	-106.5592	-2-1b			0-N23578	06/03/77	10	30		-	-	-	-	27-1-6-5-6	-1	-1-3-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
35	33.1564	-106.5491	-2-1b			0-N23579	06/03/77	10	28		-	-	-	-	37-1-7-5-7	-1	-1-3-2-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
35	33.1772	-106.5544	-2-1b			0-N23580	06/03/77	10	30		-	-	-	-	18-1-6-5-6	-1	-1-3-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
35	33.1950	-106.5500	-2-1b			0-N23581	06/03/77	10	28		-	-	-	-	27-1-7-5-7	-1	-1-3-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
35	33.1983	-106.5953	-2-1b			0-N23582	06/03/77	10	30		-	-	-	-	18-1-6-4-6	-1	-1-3-3-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.40	
35	33.1892	-106.6039	-2-1b			0-N23583	06/03/77	10	29		-	-	-	-	14-1-7-4-7	-1	-2-3-3-4-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
35	33.1886	-106.6183	-2-1b			0-N23584	06/03/77	11	30		-	-	-	-	18-1-7-4-7	-1	-1-3-3-4-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
35	33.1892	-106.6303	-2-1b			0-N23585	06/03/77	11	30		-	-	-	-	37-1-7-3-7	-1	-2-3-3-5-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
35	33.1806	-106.6397	-2-1b			0-N23586	06/03/77	11	30		-	-	-	-	0-1-7-4-7	-1	-1-3-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
35	33.1919	-106.6572	-2-1b			0-N23587	06/03/77	11	30		-	-	-	-	18-1-7-4-7	-1	-1-3-3-4-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
35	33.1925	-106.6486	-2-1b			0-N23588	06/03/77	11	30		-	-	-	-	9-1-7-4-7	-1	-2-3-3-5-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
35	33.2003	-106.6631	-2-1b			0-N23589	06/03/77	11	30		-	-	-	-	37-1-7-4-7	-1	-2-3-3-5-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80	
35	33.2050	-106.6622	-2-1b			0-N23590	06/03/77	11	35		-	-	-	-	0-1-7-4-6	-1	-1-3-3-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
35	33.2189	-106.6642	-2-1b			0-N23591	06/03/77	11	34		-	-	-	-	37-1-7-4-7	-1	-2-3-3-5-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
35	33.2328	-106.6722	-2-1b			0-N23592	06/03/77	12	35		-	-	-	-	18-1-7-4-6	-1	-1-3-3-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	
35	33.2319	-106.6761	-2-1b			0-N23593	06/03/77	12	35		-	-	-	-	18-1-7-4-6	-1	-1-3-3-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
35	33.1750	-106.6658	-2-1b			0-N23594	06/03/77	12	36		-	-	-	-	37-1-7-4-7	-1	-2-3-3-5-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
35	33.1733	-106.6658	-2-1b			0-N23595	06/03/77	12	35		-	-	-	-	9-1-7-4-6	-1	-1-3-3-1-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
35	33.1653	-106.6856	-2-1b			0-N23596	06/03/77	12	35		-	-	-	-	18-1-7-3-7	-1	-2-2-3-5-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35	33.1628	-106.6917	-2-1b			0-N23597	06/03/77	12	34		-	-	-	-	27-1-7-4-7	-1	-2-2-3-5-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40	
35	33.1519	-106.7103	-2-1b			0-N23598	06/03/77	13	35		-	-	-	-	37-1-6-4-6	-1	-1-3-3-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
35	33.1394	-106.7153	-2-1b			0-N23599	06/03/77	12	34		-	-	-	-	18-1-7-5-7	-1	-2-1-3-5-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
35	33.1311	-106.7159	-2-1b			0-N23600	06/03/77	13	35		-	-	-	-	27-1-6-5-6	-1	-1-3-3-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
35	33.1094	-106.7286	-2-1b			0-N23601	06/03/77	13	36		-	-	-	-	27-1-6-5-4	-1	-2-1-2-5-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
35	33.1219	-106.6897	-2-1b			0-N23602	06/03/77	13	35		-	-	-	-	27-1-6-4-6	-1	-1-3-3-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10	
35	33.1158	-106.6756	-2-1b			0-N23603	06/03/77	13	36		-	-	-	-	27-1-7-5-6	-1	-2-1-3-4-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
35	33.0983	-106.6917	-2-1b			0-N23604	06/03/77	13	36		-	-	-	-	27-1-6-4-6	-1	-1-3-3-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
35	33.1244	-106.6900	-2-1b			0-N23605	06/03/77	13	36		-	-	-	-	27-1-7-4-7	-1	-2-3-3-5-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
35	33.0892	-106.6756	-2-1b			0-N23606	06/03/77	14	37		-	-	-	-	55-1-6-4-6	-1	-1-3-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
35	33.0817	-106.6956	-2-1b			0-N23607	06/03/77	14	35		-	-	-	-	27-1-7-4-7	-1	-2-3-3-4-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
35	33.0772	-106.7106	-2-1b			0-N23608	06/03/77	14	37		-	-	-	-	37-1-6-4-6	-1	-1-3-2-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
35	33.0539	-106.7019	-2-1b			0-N23609	06/03/77	14	35		-	-	-	-	18-1-7-4-7	-1	-2-3-3-5-1	-1	-	-	-	-													

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

[illegible]

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																						U CONCENTRATION						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/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 ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-33.4342-106.5719-2-15-						0-N23666-06/04/77-15-	33-									27-1-7-4-7-	-1-	-2-3-2-3-2-	-1-															2.40
35-33.4514-106.5922-2-15-						0-N23667-06/04/77-15-	30-									27-1-1-5-1-	-1-	-1-3-3-2-2-	-1-															2.40
35-33.4711-106.6125-2-15-						0-N23668-06/04/77-16-	30-									27-1-1-4-1-	-1-	-1-3-2-2-2-	-1-															2.00
35-33.4494-106.6222-2-15-						0-N23669-06/04/77-16-	30-									18-1-1-4-1-	-1-	-1-3-2-2-2-	-1-															2.10
35-33.4389-106.6269-2-15-						0-N23670-06/04/77-16-	30-									46-1-1-4-1-	-1-	-1-3-2-2-2-	-1-															2.00
35-33.4653-106.6394-2-15-						0-N23671-06/04/77-16-	30-									27-1-1-5-1-	-1-	-1-3-2-2-2-	-1-															2.20
35-33.4881-106.5942-2-15-						0-N23672-06/04/77-16-	30-									37-1-4-4-4-	-1-	-2-3-2-2-1-	-1-															2.30
35-33.4233-106.5528-2-15-						0-N23673-06/04/77-16-	30-									55-1-6-5-6-	-1-	-1-3-2-2-2-	-1-															2.70
35-33.4275-106.5250-2-15-						0-N23674-06/04/77-16-	30-									37-1-4-4-4-	-1-	-2-3-2-2-2-	-1-															3.30
35-33.3908-106.5247-2-15-						0-N23675-06/04/77-16-	30-									37-1-6-5-6-	-1-	-1-3-2-2-2-	-1-															2.50
35-33.3167-106.5308-2-15-						0-N23676-06/04/77-17-	30-									27-1-4-5-4-	-1-	-2-3-2-3-2-	-1-															3.00
35-33.3639-106.5375-2-15-						0-N23677-06/04/77-17-	30-									27-1-4-5-4-	-1-	-1-3-2-3-2-	-1-															3.10
35-33.3475-106.5508-2-15-						0-N23678-06/04/77-17-	30-									27-1-4-5-4-	-1-	-2-3-2-3-2-	-1-															3.00
35-33.3642-106.5667-2-15-						0-N23679-06/04/77-17-	32-									18-1-6-5-6-	-1-	-1-3-3-3-2-	-1-															3.00
35-33.7072-106.5725-2-15-						0-N23680-06/11/77-15-	38-									27-1-4-4-4-	-1-	-1-3-2-2-2-	-1-															3.30
35-33.6678-106.5408-2-15-						0-N23681-06/11/77-15-	38-									18-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															4.30
35-33.6506-106.5275-2-15-						0-N23682-06/11/77-16-	38-									20-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															3.70
35-33.6411-106.5256-2-15-						0-N23683-06/11/77-16-	38-									9-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															3.20
35-33.6292-106.5147-2-15-						0-N23684-06/11/77-16-	38-									27-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															2.30
35-33.6236-106.5103-2-15-						0-N23685-06/11/77-16-	38-									18-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															2.60
35-33.6094-106.5028-2-15-						0-N23686-06/11/77-16-	38-									18-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															5.30
35-33.6072-106.5011-2-15-						0-N23687-06/11/77-17-	38-									18-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															3.00
35-33.5433-106.5014-2-15-						0-N23688-06/11/77-17-	38-									27-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															2.70
35-33.5847-106.5011-2-15-						0-N23689-06/11/77-17-	38-									18-1-6-4-4-	-1-	-1-3-2-2-1-	-1-															1.90
35-33.8092-106.6494-2-15-						0-N23690-06/11/77-14-	31-									13-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															2.60
35-33.7469-106.6350-2-15-						0-N23691-06/11/77-14-	30-									13-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															2.30
35-33.7875-106.6206-2-15-						0-N23692-06/11/77-14-	30-									9-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															2.40
35-33.8089-106.5978-2-15-						0-N23693-06/11/77-16-	30-									13-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															2.60
35-33.7708-106.6128-2-15-						0-N23694-06/11/77-14-	30-									4-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															2.60
35-33.6503-106.5554-2-15-						0-N23695-06/17/77-	8-	24-								37-1-6-4-6-	-1-	-1-3-2-2-1-	-1-															2.70
35-33.6444-106.5893-2-15-						0-N23696-06/16/77-	8-	24-								37-1-4-4-4-	-1-	-2-3-3-2-1-	-1-															2.70
35-33.6486-106.6117-2-15-						0-N23697-06/17/77-	8-	25-								18-1-6-5-6-	-1-	-1-3-2-2-1-	-1-															2.80
35-33.6522-106.6269-2-15-						0-N23698-06/16/77-	8-	25-								31-1-4-4-4-	-1-	-2-3-3-2-1-	-1-															2.20
35-33.6567-106.6431-2-15-						0-N23699-06/17/77-	8-	25-								37-1-6-5-6-	-1-	-1-3-2-2-1-	-1-															2.70
35-33.6608-106.6634-2-15-						0-N23700-06/16/77-	8-	25-								18-1-4-4-4-	-1-	-2-3-2-2-1-	-1-															2.40
35-33.6647-106.6794-2-15-						0-N23701-06/17/77-	8-	25-								18-1-6-5-6-	-1-	-1-3-2-2-1-	-1-															2.40
35-33.6681-106.6950-2-15-						0-N23702-06/16/77-	8-	25-								18-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															1.70
35-33.6667-106.7208-2-15-						0-N23703-06/17/77-	8-	25-								9-1-6-5-6-	-1-	-1-3-2-2-1-	-1-															0.30
35-33.6625-106.7375-2-15-						0-N23704-06/17/77-	8-	25-								18-1-1-4-1-	-1-	-1-3-2-2-1-	-1-															1.30
35-33.6178-106.7094-2-15-						0-N23705-06/17/77-	8-	25-								18-1-4-5-6-	-1-	-1-3-2-2-1-	-1-															1.70
35-33.6111-106.6947-2-15-						0-N23706-06/17/77-	9-	25-								27-1-9-4-1-	-1-	-1-3-2-2-1-	-1-															1.30
35-33.5961-106.6872-2-15-						0-N23707-06/17/77-	8-	25-								18-1-6-5-6-	-1-	-1-3-2-2-1-	-1-															2.20
35-33.5778-106.6924-2-15-						0-N23708-06/17/77-	4-	25-								18-1-4-4-1-	-1-	-1-3-2-2-1-	-1-															1.80
35-33.5675-106.6919-2-15-						0-N23709-06/17/77-	9-	25-								18-1-6-5-6-	-1-	-1-3-2-2-1-	-1-															1.90
35-33.5567-106.6869-2-15-						0-N23710-06/17/77-	9-	26-								27-1-4-4-4-	-1-	-1-3-2-2-1-	-1-															1.90
35-33.5469-106.6878-2-15-						0-N23711-06/17/77-	9-	25-								18-1-6-5-6-	-1-	-1-3-2-2-1-	-1-															1.90
35-33.5369-106.6861-2-15-						0-N23712-06/17/77-	9-	27-								18-4-4-4-1-	-1-	-1-3-2-2-1-	-1-															1.90
35-33.5258-106.6861-2-15-						0-N23713-06/17/77-	9-	25-								0-1-6-5-6-	-1-	-1-3-2-2-1-	-1-															1.20
35-33.5164-106.6861-2-15-						0-N23714-06/17/77-	9-	27-								18-1-3-4-4-	-1-	-1-3-2-2-1-	-1-															1.90
35-33.5075-106.6850-2-15-						0-N23715-06/17/77-	9-	25-								18-1-3-5-6-																		

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

[illegible]

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																		U CONCENTRATION										
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	DATE	HOUR	AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIAL CONDUCTANCE (umho/cm)	SCINTILLOMETER (dL ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
35-33	2056-106	2256-2-96-	0-N23820	06/04/77-	4-	32-										8-1-6-5-6-							-3-3-1-2-										2.00	
35-33	2478-106	2367-2-96-	0-N23821	06/04/77-	4-	31-										9-1-6-4-6-							-3-3-1-2-										2.10	
35-33	2164-106	2417-2-96-	0-N23822	06/04/77-	4-	31-										9-1-6-4-6-							-3-3-1-2-										2.00	
35-33	0836-106	1311-2-96-	0-N23823	06/05/77-	9-	30-										6-1-6-5-6-							-3-3-1-1-										2.90	
35-33	0900-106	1342-2-15-	0-N23824	06/05/77-	9-	30-										3-1-6-5-6-							-3-3-1-1-										3.30	
35-33	1203-106	1364-2-96-	0-N23825	06/05/77-	9-	30-										9-1-6-5-6-							-3-3-1-1-										0.70	
35-33	1500-106	1300-2-96-	0-N23826	06/05/77-10-	31-											14-1-6-5-6-							-3-3-1-1-										2.30	
35-33	1761-106	1293-2-15-	0-N23827	06/05/77-10-	31-											9-1-6-5-6-							-3-3-1-1-										2.60	
35-33	2042-106	1317-2-15-	0-N23828	06/05/77-10-	31-											2-1-6-5-6-							-3-3-1-1-										1.10	
35-33	2375-106	1322-2-15-	0-N23829	06/05/77-10-	31-											14-1-6-5-6-							-3-3-1-1-										2.00	
35-33	2961-106	1322-2-15-	0-N23830	06/05/77-11-	32-											13-1-6-5-6-							-3-3-1-1-										2.60	
35-33	3033-106	1483-2-96-	0-N23831	06/05/77-10-	31-											69-1-4-5-4-							-3-3-1-1-										2.50	
35-33	3003-106	1661-2-15-	0-N23832	06/05/77-10-	32-											19-1-6-5-6-							-3-3-1-1-										2.00	
35-33	2958-106	1836-2-96-	0-N23833	06/05/77-10-	32-											16-1-6-5-6-							-3-3-1-1-										2.30	
35-33	2897-106	2006-2-96-	0-N23834	06/05/77-10-	32-											38-1-6-5-6-							-3-3-1-1-										2.30	
35-33	2842-106	2192-2-96-	0-N23835	06/05/77-10-	32-											47-1-6-5-6-							-3-3-1-1-										2.20	
35-33	2750-106	2344-2-96-	0-N23836	06/05/77-10-	32-											19-1-6-5-6-							-3-3-1-1-										2.00	
35-33	4986-106	1775-2-15-	0-N23837	06/10/77-	9-	29-										11-1-6-4-6-							-1-3-3-1-1-										2.50	
35-33	4903-106	1942-2-15-	0-N23838	06/10/77-10-	29-											8-1-6-4-6-							-1-3-3-1-1-										2.60	
35-33	4814-106	2111-2-96-	0-N23839	06/10/77-10-	29-											7-1-6-4-6-							-3-3-1-1-										2.40	
35-33	4728-106	2250-2-15-	0-N23840	06/10/77-10-	29-											11-1-6-4-6-							-1-3-3-1-1-										2.30	
35-33	4611-106	2431-2-15-	0-N23841	06/10/77-10-	29-											10-1-6-4-6-							-1-3-3-1-1-										3.00	
35-33	4644-106	2550-2-15-	0-N23842	06/10/77-10-	30-											8-1-6-4-6-							-1-3-3-1-1-										2.10	
35-33	4422-106	2742-2-15-	0-N23843	06/10/77-10-	30-											5-1-6-4-6-							-1-3-3-1-1-										3.20	
35-33	4269-106	2742-2-15-	0-N23844	06/10/77-11-	30-											8-1-6-4-6-							-1-3-3-1-1-										2.50	
35-33	4111-106	2756-2-15-	0-N23845	06/10/77-11-	30-											3-1-6-5-6-							-1-3-3-1-1-										1.10	
35-33	3944-106	2772-2-15-	0-N23846	06/10/77-11-	30-											5-1-6-4-6-							-1-3-3-1-1-										1.00	
35-33	3600-106	2789-2-15-	0-N23847	06/10/77-11-	30-											12-1-6-5-6-							-1-3-3-1-1-										2.70	
35-33	3653-106	2567-2-15-	0-N23848	06/10/77-11-	31-											7-1-6-4-6-							-1-3-3-1-1-										2.60	
35-33	3428-106	2994-2-15-	0-N23849	06/10/77-12-	31-											7-1-6-4-6-							-1-3-3-1-1-										2.10	
35-33	2958-106	4178-2-15-	0-N23850	07/09/77-14-	40-											27-1-6-5-6-	-1-						-1-3-3-3-2-	-1-									2.60	
35-33	3050-106	4139-2-15-	0-N23851	07/09/77-14-	40-											18-1-6-5-6-	-1-						-1-3-3-3-2-	-1-									3.20	
35-33	2167-106	3975-2-15-	0-N23852	06/10/77-	2-	33-										9-1-6-6-6-3-3-	-1-						-1-3-3-1-1-										2.40	
35-33	2703-106	3769-2-96-	0-N23853	06/10/77-	2-	33-										6-1-6-4-6-							-3-3-1-1-										1.80	
35-33	2656-106	3636-2-15-	0-N23854	06/10/77-	2-	33-										2-1-6-4-6-							-1-3-3-1-1-										1.60	
35-33	2586-106	3483-2-96-	0-N23855	06/10/77-	2-	33-										3-1-6-4-6-							-3-3-1-1-										0.80	
35-33	2514-106	3162-2-96-	0-N23856	06/10/77-	2-	33-										8-1-6-4-6-							-3-3-1-1-										2.80	
35-33	3247-106	4100-2-15-	0-N23857	07/09/77-14-	40-											26-1-6-5-6-	-1-						-1-3-3-3-2-	-1-									3.50	
35-33	3158-106	4122-2-15-	0-N23858	07/09/77-14-	40-											18-1-6-5-6-	-1-						-1-3-3-3-2-	-1-									3.10	
35-33	3483-106	3994-2-15-	0-N23859	07/09/77-14-	40-											37-1-6-4-6-	-1-						-1-3-3-3-2-	-1-									3.40	
35-33	3575-106	3992-2-15-	0-N23860	07/09/77-14-	40-											27-1-6-5-6-	-1-						-1-4-3-2-2-	-1-									3.90	
35-33	3667-106	3994-2-15-	0-N23861	07/09/77-15-	40-											37-1-6-4-6-	-1-						-1-3-3-2-2-	-1-									3.90	
35-33	3714-106	4147-2-15-	0-N23862	07/09/77-15-	40-											27-1-7-4-7-	-1-						-1-3-3-4-2-	-1-									3.90	
35-33	3700-106	4292-2-15-	0-N23863	07/09/77-16-	40-											29-1-4-4-7-	-1-						-1-3-3-4-2-	-1-									3.00	
35-33	4017-106	3589-2-15-	0-N23864	07/09/77-16-	40-											18-1-6-5-6-	-1-						-1-3-3-2-2-	-1-									3.90	
35-33	2872-106	3083-2-15-	0-N23865	06/10/77-	3-	36-15, 2-										2-1-6-5-1-							-3-3-1-1-										0.90	
35-33	4047-106	3539-2-15-	0-N23866	07/09/77-16-	40-											9-1-6-5-6-	-1-						-1-3-3-2-2-	-1-									3.90	
35-33	4081-106	3696-2-15-	0-N23867	07/09/77-16-	40-											18-1-6-5-6-	-1-						-1-3-2-2-2-	-1-									3.10	
35-33	4133-106	3786-2-15-	0-N23868	07/09/77-16-	38-											9-1-6-5-6-	-1-						-1-3-3-2-2-	-1-									1.60	
35-33	4181-106	3297-2-15-	0-N23869	07/09/77-16-	40-											18-1-6-5-6-	-1-						-1-3-3-2-2-	-1-									3.80	
35-33	4222-106	2839-2-11-	0-N23870	06/10/77-	5-	37-24, 9-										1-1-6-5-6-							-3-3-1-1-										0.20	

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

DOE SAMPLE NUMBER						LAST SAMPLE LOCATION NUMBER AND FIELD DATA																	U CONCENTRATION											
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAST SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho, m)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
35-J3	4228	106.3214	-2-15	0-N23871	-07/09/77	-17-40									9-1-6-5-6	-1	-1-3-2-2-2	-1														3.20		
35-J3	3139	106.1792	-2-15	0-N23872	-06/12/77	-9-30									4-1-6-4-6		-3-3-1-1															2.00		
35-J3	4292	106.3094	-2-15	0-N23873	-07/09/77	-17-35									9-1-6-5-6	-1	-1-3-3-2-2	-1														2.30		
35-J3	4339	106.3000	-2-15	0-N23874	-07/09/77	-17-35									18-1-6-5-6	-1	-1-3-3-2-2	-1														2.20		
35-J3	3288	106.1650	-2-15	0-N23875	-06/12/77	-9-31									9-1-6-4-6		-3-3-1-1															2.40		
35-J3	4383	106.2928	-2-15	0-N23876	-07/09/77	-17-36									18-1-6-5-6	-1	-1-3-3-2-2	-1														2.40		
35-J3	4425	106.2853	-2-15	0-N23877	-07/09/77	-17-35									9-1-6-4-6		-1-3-3-2-2	-1															1.90	
35-J3	4486	106.2769	-2-15	0-N23878	-07/09/77	-17-36									18-1-6-5-6	-1	-1-3-3-2-2	-1															0.90	
35-J3	4936	106.2836	-2-15	0-N23879	-07/09/77	-17-35									9-1-6-4-6	-1	-1-3-3-2-2	-1															3.00	
35-J3	3594	106.1361	-2-15	0-N23880	-06/12/77	-10-31									8-1-6-5-6		-1-3-3-1-1																2.30	
35-J3	3794	106.1414	-2-15	0-N23881	-06/12/77	-10-31									13-1-6-4-6		-1-3-3-1-1																2.30	
35-J3	3969	106.1406	-2-15	0-N23882	-06/12/77	-10-31									21-1-6-4-6		-2-3-3-1-1																2.30	
35-J3	4939	106.2728	-2-15	0-N23883	-07/09/77	-17-36									27-1-6-4-6		-1-3-3-3-2	-1															2.90	
35-J3	4200	106.1494	-2-15	0-N23884	-06/12/77	-11-31									6-1-6-4-6		-1-3-3-1-1																1.00	
35-J3	3822	106.2811	-2-15	0-N23885	-07/09/77	-18-38									9-1-6-5-6	-1	-1-3-3-2-2	-1															1.80	
35-J3	3719	106.2831	-2-15	0-N23886	-07/09/77	-18-35									18-1-6-4-6	-1	-1-3-3-2-2	-1															2.00	
35-J3	3533	106.2914	-2-15	0-N23887	-07/09/77	-18-35									18-1-6-5-6	-1																		

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

[illegible]

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

DOE SAMPLE NUMBER				LAST SAMPLE LOCATION NUMBER AND FIELD DATA										U CONCENTRATION																	
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAST SAMPLE LOCATION NUMBER	TIME SAMPLED		WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm	
							DATE	HOUR																							
35-33	6036-106	2967-2-15				0-N23974	06/18/77	11	34						41-1-7-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.70
35-33	6150-106	3031-2-15				0-N23975	06/18/77	12	34						50-1-7-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.80
35-33	6194-106	3028-2-97				0-N23976	06/18/77	12	34						55-1-7-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.90
35-33	7006-106	3417-2-15				0-N23977	06/18/77	12	35						27-1-7-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	3.00
35-33	7019-106	3003-2-15				0-N23978	06/18/77	13	35						13-1-7-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	3.10
35-33	7172-106	3153-2-15				0-N23979	06/18/77	14	35						11-1-7-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	3.10
35-33	7114-106	2894-2-15				0-N23980	06/10/77	15	34						18-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	3.00
35-33	6947-106	2794-2-15				0-N23981	06/18/77	15	37						30-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	3.00
35-33	6875-106	2664-2-15				0-N23982	06/18/77	15	37						30-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	3.50
35-33	6764-106	2553-2-15				0-N23983	06/18/77	15	36						33-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.20
35-33	7317-106	3031-2-97				0-N23984	06/18/77	16	37						44-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.50
35-33	4444-106	1000-2-11				0-N23986	06/14/77	10	35-20-0			7.1	3150		13-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.10
35-33	4867-106	0283-2-11				0-N23987	06/14/77	11	25-22-5			7.6	2425		5-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.60
35-33	4992-106	0244-2-11				0-N23988	06/14/77	12	25-17-0-C			7.2	1900		16-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.60
35-33	4700-106	0562-2-15				0-N23991	06/14/77	3	33						14-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.50
35-33	4575-106	0589-2-15				0-N23992	06/14/77	3	34						26-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	4.70
35-33	4500-106	0592-2-15				0-N23993	06/14/77	3	33						4-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.20
35-33	4361-106	0636-2-15				0-N23995	06/14/77	4	34						1-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.50
35-33	4161-106	0664-2-15				0-N23996	06/14/77	4	34						13-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.40
35-33	4100-106	0714-2-15				0-N23997	06/14/77	12	34						33-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.60
35-33	3919-106	0706-2-15				0-N23998	06/19/77	12	36						11-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.50
35-33	3731-106	0753-2-15				0-N23999	06/19/77	12	37						24-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.40
35-33	3494-106	0811-2-15				0-N24000	06/19/77	12	37						26-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.40
35-33	3381-106	0828-2-15				0-N24001	06/19/77	12	37						50-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.00
35-33	3272-106	0804-2-15				0-N24002	06/19/77	12	37						20-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	1.90
35-33	3131-106	0764-2-15				0-N24003	06/19/77	12	37						20-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.50
35-33	3031-106	0681-2-15				0-N24005	06/19/77	1	39						17-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.50
35-33	2956-106	0681-2-15				0-N24006	06/19/77	2	39						24-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.50
35-33	2764-106	0644-2-15				0-N24007	06/19/77	2	39						31-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.40
35-33	2722-106	0639-2-15				0-N24008	06/19/77	2	39						24-1-1-4-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.40
35-33	2642-106	0625-2-15				0-N24009	06/19/77	2	39						16-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.40
35-33	2589-106	0614-2-15				0-N24010	06/19/77	2	40						18-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.30
35-33	2544-106	0611-2-15				0-N24011	06/19/77	2	40						13-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	3.30
35-33	7275-106	0044-2-97				0-N24012	06/20/77	10	30						20-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.60
35-33	7444-106	0437-2-15				0-N24013	06/20/77	10	31						22-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.40
35-33	7317-106	0667-2-97				0-N24014	06/20/77	10	31						20-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.40
35-33	7219-106	0822-2-97				0-N24015	06/20/77	10	31						22-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.60
35-33	7228-106	0892-2-97				0-N24016	06/20/77	10	30						20-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.60
35-33	5222-106	1750-2-15				0-N24017	06/18/77	8	31						9-1-1-5-6	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	-1-3-3-2-1	-1	2.10
35-33	5622-106	1933-2-96				0-N24018	06/18/77	8	31						10-1-1-5-6	-1	-1-														

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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																				U CONCENTRATION							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																									
35	33.6631	-106.2128	-2-15-	0-N24030-06/18/77-11-	36-	-	-	-	-	-	-	-	-	-	-	7-3-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30
35	33.6589	-106.1994	-2-15-	0-N24031-06/18/77-11-	35-	-	-	-	-	-	-	-	-	-	-	11-3-4-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70
35	33.6536	-106.1892	-2-15-	0-N24032-06/18/77-11-	35-	-	-	-	-	-	-	-	-	-	-	7-3-4-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
35	33.6528	-106.1836	-2-15-	0-N24033-06/18/77-11-	36-	-	-	-	-	-	-	-	-	-	-	3-3-4-5-0-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70
35	33.6517	-106.1728	-2-15-	0-N24034-06/18/77-11-	36-	-	-	-	-	-	-	-	-	-	-	8-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
35	33.6519	-106.1664	-2-15-	0-N24035-06/18/77-11-	36-	-	-	-	-	-	-	-	-	-	-	11-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50
35	33.6961	-106.1717	-2-15-	0-N24036-06/18/77-12-	36-	-	-	-	-	-	-	-	-	-	-	9-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
35	33.7070	-106.1769	-2-15-	0-N24037-06/18/77-12-	36-	-	-	-	-	-	-	-	-	-	-	11-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10
35	33.7092	-106.1844	-2-15-	0-N24038-06/18/77-12-	36-	-	-	-	-	-	-	-	-	-	-	11-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10
35	33.7053	-106.2000	-2-15-	0-N24039-06/18/77-12-	36-	-	-	-	-	-	-	-	-	-	-	4-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20
35	33.7142	-106.1236	-2-15-	0-N24040-06/18/77-3-	35-	-	-	-	-	-	-	-	-	-	-	9-3-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10
35	33.7222	-106.1217	-2-15-	0-N24041-06/18/77-4-	35-	-	-	-	-	-	-	-	-	-	-	11-3-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00
35	33.7261	-106.1200	-2-15-	0-N24042-06/18/77-4-	35-	-	-	-	-	-	-	-	-	-	-	8-3-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00
35	33.7425	-106.1033	-2-15-	0-N24043-06/18/77-4-	35-	-	-	-	-	-	-	-	-	-	-	8-3-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.90
35	33.7000	-106.1364	-2-15-	0-N24044-06/18/77-4-	34-	-	-	-	-	-	-	-	-	-	-	7-3-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20
35	33.6200	-106.1614	-2-15-	0-N24045-06/18/77-4-	35-	-	-	-	-	-	-	-	-	-	-	4-1-6-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50
35	33.6197	-106.1714	-2-15-	0-N24046-06/18/77-4-	34-	-	-	-	-	-	-	-	-	-	-	6-1-8-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20
35	33.6181	-106.1789	-2-15-	0-N24047-06/18/77-4-	34-	-	-	-	-	-	-	-	-	-	-	10-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10
35	33.5956	-106.1561	-2-90-	0-N24048-06/18/77-5-	34-	-	-	-	-	-	-	-	-	-	-	8-3-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40
35	33.5814	-106.1506	-2-15-	0-N24049-06/18/77-5-	34-	-	-	-	-	-	-	-	-	-	-	7-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00
35	33.5778	-106.1344	-2-15-	0-N24050-06/18/77-5-	34-	-	-	-	-	-	-	-	-	-	-	11-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40
35	33.5731	-106.1169	-2-15-	0-N24051-06/18/77-5-	34-	-	-	-	-	-	-	-	-	-	-	7-3-1-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
35	33.5964	-106.1283	-2-90-	0-N24052-06/18/77-5-	34-	-	-	-	-	-	-	-	-	-	-	8-3-6-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
35	33.5647	-106.1564	-2-90-	0-N24053-06/18/77-5-	34-	-	-	-	-	-	-	-	-	-	-	6-3-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10
35	33.7553	-106.4708	-2-15-	0-N24054-06/19/77-10-	33-	-	-	-	-	-	-	-	-	-	-	58-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80
35	33.7653	-106.4719	-2-15-	0-N24055-06/19/77-10-	33-	-	-	-	-	-	-	-	-	-	-	41-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00
35	33.7814	-106.4778	-2-15-	0-N24056-06/19/77-10-	33-	-	-	-	-	-	-	-	-	-	-	25-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60
35	33.8061	-106.4983	-2-15-	0-N24057-06/19/77-10-	34-	-	-	-	-	-	-	-	-	-	-	25-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.50
35	33.8053	-106.4525	-2-15-	0-N24058-06/19/77-11-	34-	-	-	-	-	-	-	-	-	-	-	63-1-6-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00
35	33.8111	-106.4506	-2-15-	0-N24059-06/19/77-11-	34-	-	-	-	-	-	-	-	-	-	-	41-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10
35	33.7508	-106.4306	-2-15-	0-N24060-06/19/77-12-	35-	-	-	-	-	-	-	-	-	-	-	66-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00
35	33.7564	-106.4092	-2-15-	0-N24061-06/19/77-12-	35-	-	-	-	-	-	-	-	-	-	-	69-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10
35	33.7719	-106.4042	-2-15-	0-N24062-06/19/77-12-	35-	-	-	-	-	-	-	-	-	-	-	55-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90
35	33.7836	-106.4006	-2-15-	0-N24063-06/19/77-12-	35-	-	-	-	-	-	-	-	-	-	-	16-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20
35	33.8019	-106.3939	-2-15-	0-N24064-06/19/77-12-	35-	-	-	-	-	-	-	-	-	-	-	73-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10
35	33.8131	-106.4003	-2-15-	0-N24065-06/19/77-12-	36-	-	-	-	-	-	-	-	-	-	-	44-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90
35	33.8108	-106.2614	-2-15-	0-N24066-06/19/77-12-	35-	-	-	-	-	-	-	-	-	-	-	73-1-7-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
35	33.8081	-106.3256	-2-15-	0-N24067-06/19/77-13-	36-	-	-	-	-	-	-	-	-	-	-	25-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80
35	33.7797	-106.3397	-2-15-	0-N24068-06/19/77-13-	36-	-	-	-	-	-	-	-	-	-	-	78-2-5-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.10
35	33.7794	-106.3350	-2-11-	0-N24069-06/19/77-14-	35-	-	-	-	-	-	-	-	-	-	-	3-5-5-4-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80
35	33.8011	-106.3031	-2-15-	0-N24070-08/19/77-16-	34-	-	-	-	-	-	-	-	-	-	-	70-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00
35	33.7536	-106.3056	-2-15-	0-N24071-06/19/77-15-	35-	-	-	-	-	-	-	-	-	-	-	52-1-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60
35	33.7708	-106.3003	-2-9/-	0-N24072-06/19/77-15-	36-	-	-	-	-	-	-	-	-	-	-	27-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80
35	33.7600	-106.3039	-2-9/-	0-N24073-06/19/77-16-	35-	-	-	-	-	-	-	-	-	-	-	44-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90
35	33.7067	-106.0922	-2-97-	0-N24074-06/20/77-11-	32-	-	-	-	-	-	-	-	-	-	-	7-3-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
35	33.7117	-106.0844	-2-15-	0-N24076-06/20/77-11-	32-	-	-	-	-	-	-	-	-	-	-	7-3-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
35	33.6919	-106.0883	-2-9/-	0-N24077-06/20/77-11-	32-	-	-	-	-	-	-	-	-	-	-	16-3-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
35	33.6831	-106.0839	-2-15-	0-N24078-06/20/77-11-	31-	-	-	-	-	-	-	-	-	-	-	22-3-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60
35	33.6644	-106.0914	-2-9/-																														

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

[illegible]

APPENDIX D

CODE TO DATA LISTINGS

Appendix D-I

Explanation of Codes Used

Appendix D-II

Key to Sample Types

APPENDIX D-I

EXPLANATION OF CODES USED

DOE SAMPLE NUMBER

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

Alaska	= 02	Montana	= 30	Texas	= 48
Arizona	= 04	New Mexico	= 35	Utah	= 49
Colorado	= 08	Oklahoma	= 40	Wyoming	= 56
Idaho	= 16				

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

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

SAMPLE TYPE: A two-digit identifier which specifically designates the pertinent properties defining the sample type to which the listed data relate. For explanation of the code used, refer to the attached "Numerical Key and Specifications for Sample Types Taken by the LASL" Appendix Item D-II.

REPLICATE: A three-digit sequential number assigned to indicate a multiple sample of a single sample type from a single location. The largest number in use indicates the most recent sample taken, and there will always be smaller sequential numbers representing earlier samples back to 000, which is the initial sample from any given location. Except in the case of special studies, there will be no replicate samples and this entry will therefore be 000.

LASL SAMPLE NUMBER AND FIELD DATA

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

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

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

AIR TEMPERATURE: The temperature that was measured in the shade at the time of sampling, to the nearest whole degree Celsius ($^{\circ}\text{C}$).

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 $\mu\text{mho/cm}$, 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, as given below.

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

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

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

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

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

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

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

OWNERSHIP: When shown, the single digit here gives a broad classification of administrative responsibility or general ownership of the land at the sample location, as given below.

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

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

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

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

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

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

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

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

URANIUM CONCENTRATION: The value given in this column is the analytically derived value of the total uranium concentration found in the water sample in parts per billion (ppb), or in the sediment sample in parts per million (ppm). Those uranium concentrations in water that are shown with an asterisk were measured using a delayed-neutron counting (DNC) method, while those without an asterisk were determined fluorometrically. The uranium analyses as determined by both of these methods at the LASL are directly comparable, as described in Appendix A.

APPENDIX D-II

KEY TO SAMPLE TYPES

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

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

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

<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- μ membrane filter <u>and acidified</u> to a pH of ≤ 1 with reagent-grade nitric acid (HNO_3).
07 -	<u>Stream water</u> sample <u>filtered</u> through an 0.45- μ membrane filter <u>and acidified</u> to a pH of ≤ 1 with reagent-grade nitric acid (HNO_3).
08 -	<u>Well water</u> sample <u>filtered</u> through an 0.45- μ membrane filter <u>and acidified</u> to a pH of ≤ 1 with reagent-grade nitric acid (HNO_3).
09 -	<u>Natural pond water</u> sample <u>filtered</u> through an 0.45- μ membrane filter <u>and acidified</u> to a pH of ≤ 1 with reagent-grade nitric acid (HNO_3).
10 -	<u>Artificial pond water</u> sample <u>filtered</u> through an 0.45- μ membrane filter <u>and acidified</u> to a pH of ≤ 1 with reagent-grade nitric acid (HNO_3).
11 -	<u>Wet spring sediment</u> sample <u>dried</u> at $\leq 100^\circ\text{C}$ <u>and sieved to -100 mesh</u> through stainless steel sieves.
12 -	<u>Wet stream sediment</u> sample <u>dried</u> at $\leq 100^\circ\text{C}$ <u>and sieved to -100 mesh</u> 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
 - 99 - Other sediment
- These key numbers are to be used only for water (98) or sediment (99) samples coming from a special source and/or given a special treatment not described for any of the types of samples above. When used in the listings published herein, the source and treatment given the samples so designated are described in the text.

APPENDIX E

SEMILOGARITHMIC HISTOGRAMS FOR URANIUM CONCENTRATIONS IN STREAM,
WELL, AND SPRING WATERS FROM THE TULAROSA QUADRANGLE, NEW MEXICO

APPENDIX E

SEMILOGARITHMIC HISTOGRAMS FOR URANIUM CONCENTRATIONS IN STREAM, WELL, AND SPRING WATERS FROM THE TULAROSA QUADRANGLE, NEW MEXICO

a. Stream water

b. Well water

c. Spring water.

*Recalculated means and standard deviations dropping the high uranium values as described in the text.

APPENDIX F

HISTOGRAM FOR URANIUM CONCENTRATIONS IN ALL SEDIMENTS
FROM THE TULAROSA QUADRANGLE, NEW MEXICO

APPENDIX F

HISTOGRAM FOR URANIUM CONCENTRATIONS IN ALL SEDIMENTS FROM THE TULAROSA QUADRANGLE, NEW MEXICO

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LA - 7217 - MS

107° 00'

45°

30'

PLATE I

SEDIMENTARY ROCKS

IGNEOUS ROCKS

[illegible]

Index map showing location of source material used in compilation of geologic map.

Los Alamos
scientific laboratory
 of the University of California
 LOS ALAMOS, NEW MEXICO 87544

NEW MEXICO

PALEOZOIC

PRECAMBRIAN

Dakota group
Red shale and sandstone, some parts conglomeratic

Ps
San Andreas limestone
Light to dark gray, thin to medium-bedded cherty limestone

Pg
Glorieta sandstone
White to gray or tan, fine to medium grained sandstone, thin to about 10' in the south and west portions of the quadrangle

Py
Yucca formation
Red, pink to gray or yellow, fine grained sandstone and siltstone, with some limestone or dolomitic limestone, may contain a tongue of the Abe formation near base

Pa
Abo formation
Red, red-brown, and purplish-red siltstone, shale, and sandstone, proven uranium host rock

PPu
Permian - Pennsylvanian rock undivided
Includes from youngest to oldest, Barren formation, alternating gray to brown shale, siltstone, and sandstone, bluish limestone, cherty and argillaceous, gray to red limestone; Sandia formation, gray, argillaceous and quartzitic sandstone formerly designated the Mississippian group

MCu
Mississippian to Cambrian rocks undivided
Locally includes Holly and Lake Valley limestones, and Caballero formation (Mississippian) Purche shale, Dry Gap and Ochoa formation (Pennsylvanian) Pennsylvanian formation and limestones and El Paso limestones, (Ordovician) Blue sandstone (Ordovician-Cambrian) These all push out in the northern portion of the quadrangle

Psg
San Andreas limestone and Glorieta sandstone
Units combined in southern and western portions of area where Glorieta thins to 10-20'

P①
Permian rocks undivided
Locally includes San Andreas limestone, Glorieta sandstone, Yucca formation, and Abo formation
Note: circled numbers ①, ②, ..., indicate locations where the Abo formation is or may outcrop within undivided Permian rocks

PEu
Permian to Cambrian rocks undivided
Confirmed to T 7, R 9, S 5, includes all or some of the following units: Barren formation, Mississippian limestones, Sandia formation, Holly and Lake Valley limestones, Caballero formation, Purche shale, Dry Gap and Ochoa formation, Pennsylvanian limestones and Blue sandstone

pE
Precambrian granites
Locally includes granite, schist, gneiss and amphibolite, may be Uncompahgre rock where cut by dikes and veins of tertiary intrusive rocks

SYMBOLS

Contact
Solid where definite, dashed where inferred, dotted where concealed, dash-dotted where doubtful

Bedding
Strike and dip of bedding

Faults
Solid where definite, dashed where inferred, dotted where concealed, dash-dotted where doubtful, relative movement shown: U on the upthrow side, D on the downthrow side; two lines indicates units on either side of fault are the same

Syncline
Showing trace of axial plane and plunge of axis, solid where definite, dashed where inferred, dotted where concealed, question-dotted where doubtful

Anticline
Showing trace of axial plane and plunge of axis, solid where definite, dashed where inferred, dotted where concealed, question-dotted where doubtful

PERMIAN
PENNSYLVANIAN
MISSISSIPPIAN
- CAMBRIAN
PRECAMBRIAN

Tularosa

33° 00'
106° 00'

Index map showing location of source material used in compilation of geologic map.

SOURCE MATERIAL

1 Dene, C.H., and Bachman, G.O., 1961.

2 Kelly, V.C., 1956.

Scale 1 250,000

GEOLOGIC MAP OF T NTMS QUADRANGLE,

(After Amuedo and Ivey,

Scale 1:250,000

P OF THE TULAROSA ANGLE, NEW MEXICO

(Medo and Ivey, 1978)

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PRECAMBRIAN

Mississippi
Locality includes the
Columbia River
and the Pacific
Ocean in the northwest

Solid letters refer to
concentric, quarter

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NEW MEXICO

LA - 7217 - MS

PLATE II

ATION OVERLAY FOR THE
QUADRANGLE, NEW MEXICO

LA - 7217 - MS

15'

107°00'

PLATE III

LEGEND

WELL WATER	SPRING WATER	ARTIFICIAL POND WATER	SURFACE STREAM WATER	TOTAL URANIUM (ppb)
○	◊	▽	◻	≤ 2.00
◉	◈	▽	◻	2.01 - 4.00
◯	◈	▽	◻	4.01 - 6.00
◯	◈	▽	◻	6.01 - 8.00
◯	◈	▽	◻	8.01 - 10.00

KNOWN URANIUM OCCURRENCES

	BEDDED OCCURRENCES
Uranium content (<0.1% U_3O_8)	U
Uranium content (>0.1% U_3O_8)	Ⓢ
Uranium mine with record of production (>0.1% U_3O_8)	⚡

NOTE:

The numbers adjacent to the uranium occurrence descriptions found in TABLE II. All other occurrences were compiled from Boyd (1955) and

URANUM CONCENTRATIONS
 VEIN-TYPE OCCURRENCES

URANIUM CONCENTRATION OVERLAY TO THE TULAROSA N

reference symbols refer to the
 occurrences not described in
 and Ellis (1973).

CONCENTRATIONS (ppb) IN WATERS-
AROSA NTMS QUADRANGLE, NEW MEXICO

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3141 17

LEGEND

KNOWN URANIUM

WELL WATER	SPRING WATER	ARTIFICIAL POND WATER	SURFACE STREAM WATER	TOTAL URANIUM (ppb)
•	•	▼	◻	≤ 2.00
○	◊	▽	◻	2.01 - 4.00
○	◊	▽	◻	4.01 - 6.00
○	◊	▽	◻	6.01 - 8.00
○	◊	▽	◻	8.01 - 10.00
○	◊	▽	◻	10.01 - 13.00
○	◊	▽	◻	13.01 - 16.00
○	◊	▽	◻	> 16.00

Uranium content (<0.1% U_3O_8)

Uranium content (>0.1% U_3O_8)

Uranium mine
with record (>0.1% U_3O_8)
of production

NOTE:

The numbers adjacent to the uranium
descriptions found in TABLE II. All
TABLE II were compiled from Boyd

LA - 7217 - MS

45'

30'

PLATE IV

LEGEND

SEDIMENT	WET SPRING SEDIMENT	WET ARTIFICIAL POND SEDIMENT	WET NATURAL LAKE OR POND SEDIMENT	WET STREAM SEDIMENT	TOTAL URANIUM (ppm)
◊	◊	◊	◊	◊	≤ 2.50
◊	◊	◊	◊	◊	2.51 - 3.00
◊	◊	◊	◊	◊	3.01 - 4.00
◊	◊	◊	◊	◊	4.01 - 5.00
◊	◊	◊	◊	◊	5.01 - 6.00

URANIUM CONCENTRATIONS (ppm)
OVERLAY TO THE TULAROSA NTMS QUADRA

20 25 MILES
25 KILOMETERS

) IN SEDIMENTS-
DRANGLE, NEW MEXICO

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LEGEND

DRY ARTIFICIAL POND SEDIMENT	DRY NATURAL POND SEDIMENT	DRY STREAM SEDIMENT	WET SPRING SEDIMENT	WET ARTIFICIAL POND SEDIMENT	WET NATURAL LAKE OR POND SEDIMENT	WET STREAM SEDIMENT	TOTAL URANIUM (ppm)
◦	◦	■	◦	◡	◡	◻	≤ 2.50
⊕	○	⊗	◇	▽	△	◻	2.51 - 3.00
⊕	○	⊗	◇	▽	△	◻	3.01 - 4.00
⊕	○	⊗	◇	▽	△	◻	4.01 - 5.00
⊕	○	⊗	◇	▽	△	◻	5.01 - 6.00
⊕	○	⊗	◇	▽	△	◻	6.01 - 7.00
⊕	○	⊗	◇	▽	△	◻	7.01 - 9.00
⊕	○	⊗	◇	▽	△	◻	> 9.00

URANIUM CONCENTRATIONS (ppm) IN
OVERLAY TO THE TULAROSA NTMS QUADRA

n) IN SEDIMENTS-
ADRANGLE, NEW MEXICO

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