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Informal Report

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

University of California

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

Spencer S. Shannon, Jr.

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

by

Spencer S. Shannon, Jr.

ABSTRACT

The Los Alamos Scientific Laboratory conducted a Hydrogeochemical and Stream Sediment Reconnaissance for uranium in the Pueblo National Topographic Map Series (NTMS) quadrangle, Colorado. A total of 861 water and 1060 sediment samples were collected from 1402 locations. Samples were collected at a nominal density of one sample location per 10 km² over a 19 700-km² area. Water samples were collected from streams, wells, springs, artificial ponds, and natural ponds; sediment samples were collected from streams, springs, artificial ponds, and natural ponds.

Evaluation of the data resulted in the delineation of areas in which water and/or sediment uranium contents are notably higher than the surrounding background values. For water samples, which have a mean uranium concentration of 5.88 parts per billion (ppb), an arbitrary anomaly threshold of 36 ppb was chosen. The major clusters of anomalous water samples are from locations in Quaternary sediments, the Pierre shale, and the Niobrara formation in the Arkansas River valley and in faulted Precambrian granodiorite along Fernleaf Gulch near Cotopaxi. Many anomalous water samples are from locations along northwesterly-trending fault zones. For sediment samples, the mean content is 7.08 parts per million (ppm) and the arbitrary anomaly threshold is 25 ppm uranium. Most anomalous sediment samples were collected in areas of the Front Range underlain by Precambrian igneous rocks, specifically the Pikes Peak granite, the Cripple Creek quartz monzonite, and the Boulder Creek granodiorite. Most anomalous water and sediment samples from mountain locations are associated with fault zones and reported uranium occurrences.

I. INTRODUCTION

This report describes work done in the Pueblo, Colorado, 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 will ultimately be combined with data from other NURE programs (e.g., from airborne radiometric surveys and geological investigations) to prepare an improved assessment of the potential uranium resources in the US and to indicate areas favorable for uranium exploration by the private sector. The LASL is responsible for conducting the HSSR primarily in the Rocky Mountain states of New Mexico, Colorado, Wyoming, and Montana, and in Alaska.

The western half of the Pueblo quadrangle was sampled by a commercial contractor between August 1 and October 24, 1976. The eastern half was sampled by Bendix Field Engineering Corporation, a DOE prime contractor, between July 7 and October 5, 1977. Where available, both water and sediment samples were collected at each location. Standardized field and analytical procedures were used throughout the work so that data could be compared internally and with data from adjacent areas (Sharp and Aamodt, 1976; Aamodt, 1977; Hues et al, 1977; and Sharp, 1977).

II. DESCRIPTION OF STUDY AREA

The study area comprises 19 700 km² in south-central Colorado (Fig. 1). The Pueblo quadrangle is made up of two major topographic units--the southern Rocky Mountains on the west and the Great Plains on the east. Within the study area, portions of the Front Range, Wet Mountains, Sangre de Cristo Range, Wet Mountain Valley, San Luis Valley, and South Park comprise the southern Rocky Mountains. The Denver Basin and the Arkansas Valley are part of the Great Plains.

Elevations in the study area range from 1300 m in the Arkansas Valley to 4300 m at Pikes Peak. Vegetation in the plains and valleys is chiefly sagebrush, native grasses, and cacti. At higher elevations, forests of pine, spruce, and aspen are common; but above timberline, mosses and lichens are the only vegetation.

State highways and secondary roads provide access to most parts of the study area. The major population centers are the Colorado Springs and Pueblo metropolitan areas. The Great Plains also supports a large rural population engaged in agriculture and related service industries.

Climate

Climatic conditions within the Pueblo quadrangle mirror the topographic difference between the southern Rocky Mountains and the Great Plains. The Front Range, Sangre de Cristo Range, Wet Mountains, and intermontane valleys and parks have a subhumid climate with mild summers, severe winters, and a mean annual temperature of 5°C. The Denver Basin and Arkansas Valley have a semiarid climate and a mean annual temperature of 10°C.

Fig. 1. Index map of the Pueblo quadrangle, Colorado.

Annual precipitation ranges from 400-500 mm in the mountains, but it diminishes to 300-400 mm in the plains. Rainfall reliability is greater in the mountains than in the plains. Most precipitation in the region occurs between April and October as afternoon thundershowers.

Samples were collected in the summers of 1976 and 1977 during and after the precipitation maxima. Rainfall data for the periods during which field sampling took place are shown for four weather stations in Fig. 2. Specific weather information at each location was recorded at the time of sampling and is included in data listings in Appendixes B and C.

Hydrology

The Arkansas River and its tributaries comprise the major drainage system in the Pueblo quadrangle. The Rio Grande drains the southwestern corner of the quadrangle and the South Platte River drains part of its northern edge (Fig. 3). The Arkansas River heads in the Sawatch and Mosquito Ranges beyond the western margin of the Pueblo quadrangle. From there it flows through the mountains and thence eastward across the southern part of

Data NOAA, 1976; 1977 Locations shown on Fig. 1;

Fig. 2. Average monthly precipitation for April-October at four selected weather stations in the Pueblo quadrangle, Colorado.

Fig. 3. Drainage map of the Pueblo quadrangle, Colorado.

the Denver Basin. The headwaters of the Arkansas River are perennial; the proportion of intermittent streams tributary to the Arkansas increases downstream. Much stream water is diverted to canals and reservoirs along the mountain front.

Arkansas River water typically is high in calcium, sulfate, and bicarbonate (Pearl, 1974). Downstream, irrigation and use of chemical fertilizers increase the content of dissolved solids, especially magnesium, sodium, and sulfate in the river water. In this study, samples were taken from tributaries but not from the Arkansas River. In water and sediment samples, the amount of uranium, if any, derived from fertilizers is unknown.

The principal aquifers in the report area are Quaternary alluvial deposits along the Arkansas River and Fountain Creek. Other ground-water reservoirs in the Great Plains include Tertiary and Cretaceous sandstone members of the Dawson, Laramie, Fox Hills, Dakota, and Purgatoire formations. Most ground water in alluvium typically has a high calcium bicarbonate or calcium sulfate content and contains a moderate to large concentration, 700-1250 parts per million (ppm), of dissolved solids. In contrast, ground water in bedrock aquifers commonly has a high sodium bicarbonate content and contains fewer dissolved solids (Hershey and Schneider, 1964). However, ground waters in the Pierre shale and in coal beds of the Laramie formation contain more dissolved solids (Pearl, 1974). Aquifers are recharged by seasonal runoff, infiltration of rain and irrigation water, and seepage from streams and canals. Ground water is depleted by evapotranspiration and pumping.

III. GEOLOGY

A brief description of the principal stratigraphic units in the area is given in Table I. As a published 1:250 000-scale geologic map of the Pueblo quadrangle is available (Scott et al, 1978), no geologic map plate is included in this report.

Stratigraphy

The oldest exposed rocks in the area are Precambrian metasedimentary and metavolcanic rocks of the Front Range and Wet Mountains. Shale, sandstone, graywacke, tuff, and basalt were deformed and regionally metamorphosed to mica schist, gneiss, quartzite, metatuff, amphibolite, and pegmatite (Scott et al, 1978). In turn, Boulder Creek granodiorite, Cripple Creek granite, Pikes Peak granite, and alkalic and mafic plutons were intruded into the metamorphic rocks. Lower to Middle Paleozoic rocks consisting of shallow marine carbonate and clastic beds discontinuously overlie the Precambrian basement along the margins of the Front Range, the Canon City embayment, the eastern flank of the Wet Mountains, and the Sangre de Cristo Range. Basement rocks elsewhere in the area are overlain directly by Upper Paleozoic and Lower Mesozoic redbeds, sandstone, arkose, and conglomerate. Cretaceous marine and continental strata, representing numerous cycles of marine transgression and regression, overlie the lower Mesozoic strata. Cretaceous strata are chiefly marine sandstone and shale. Upper Cretaceous and Paleocene clastic beds were deposited unconformably over Cretaceous marine strata. These sandstone and conglomerate beds accumulated in structural basins during the Laramide orogeny. During Oligocene time, volcanoclastic sediments were deposited in paleovalleys. The Tallahassee Creek conglomerate is a host rock for major uranium

TABLE I

PRINCIPAL STRATIGRAPHIC UNITS IN THE PUEBLO QUADRANGLE, COLORADO
(from Epis et al, 1976b; Rothrock, 1960;
Scott et al, 1978; Sweet, 1954)

	AGE	ROCK UNIT	LITHOLOGIES
CENOZOIC	Quaternary and Pliocene	Surficial deposits	Drift, terrace gravel, dune sand, talus, and alluvium
	Pliocene and Miocene	Dry Union fm. (~1500 m) Santa Fe fm. (~300 m) Wagontongue fm. (300 m) Gravel at Divide (60 m) Upper Tertiary volcanic rocks Middle Tertiary igneous rocks	Conglomerate, clay, silt, and sand Conglomerate, gravel, sand, silt, and clay Sand, gravel, and siltstone Bouldery gravel, sand, silt, and clay Andesite to rhyolite flows, ash-flow tuffs, lahars, breccias, and plugs; phonolite plugs Andesite to rhyolite domes, flows, breccias, and ash-flow tuffs. Diorite, tonalite, and syenite stocks
	Oligocene	Antero fm. (600 m) Florissant lake beds (~45 m) Castle Rock conglomerate (9 m) Tallahassee Creek conglomerate (~105 m)	Water-laid andesitic ash, tuff, and lahar Water-laid andesitic ash and volcanoclastic rocks Tuffaceous conglomerate Bouldery volcanic conglomerate
	Paleocene and Upper Cretaceous	Laramide igneous rocks Poison Canyon fm. (150-300 m) Dawson fm. (540 m) Raton fm. (~150 m) Vermejo fm. (255 m)	Granodiorite Sandstone and conglomerate Arkosic and andesitic sandstone, siltstone, and claystone Sandstone Sandstone, shale, and coal
MESOZOIC	Upper Cretaceous	Laramie fm. (75 m) Fox Hills sandstone (75 m) Pierre shale (1125-1560 m) Niobrara fm. (220 m) Carlisle shale (70 m) Greenhorn limestone (45 m) Graneros shale (30 m)	Sandstone and sandy shale Sandstone Siltstone, claystone, sandy shale, and sandstone Calcareous shale and limestone Calcareous sandstone and shale Limestone and shale Silty shale
	Lower Cretaceous and Upper Jurassic	Dakota sandstone (30 m) Purgatoire fm. (35 m) Morrison fm. (97 m) Ralston Creek fm. (45 m) Entrada sandstone (8 m)	Sandstone Sandstone, shale, and clay Siltstone, claystone, and sandstone Sandstone, siltstone, and gypsum beds Sandstone
	Triassic and Permian	Lykins fm. (55 m)	Siltstone, claystone, and sandstone
	Lower Permian to Middle Pennsylvanian	Lyons fm. (210-240 m) Sangre de Cristo fm. (3600 m) Fountain fm. (1320 m) Minturn fm. (1200 m) Belden fm. (150 m)	Sandstone Conglomerate, sandstone, and siltstone Conglomerate and limestone Shale, siltstone, and sandstone Shale, siltstone, and sandstone
PALEOZOIC	Mississippian	Leadville limestone (30 m) Dyer dolomite (50 m)	Limestone Dolomite
	Devonian	Williams Canyon limestone (20 m) Parting fm. (25 m)	Limestone Shale and quartzite
	Ordovician	Fremont dolomite (100 m) Harding sandstone (60 m) Manitou limestone (55 m)	Dolomite Sandstone and shale Limestone
	Cambrian	Peerless dolomite (12 m) Sawatch sandstone (8 m) Lower Paleozoic igneous rocks	Dolomite Sandstone Syenite, nepheline syenite, gabbro, pyroxenite, and carbonatite
	Precambrian	Pikes Peak granite Cripple Creek granite Boulder Creek granodiorite Metavolcanic and metasedimentary rocks	Age: 1000 m.y. - granite, quartz monzonite, syenite, and gabbro Age: 1450 m.y. - quartz monzonite and granite Age: 1700 m.y. - quartz monzonite, granodiorite, and quartz diorite Gneiss, metabasalt, metatuff, metabreccia, quartzite, and schist

deposits. Additional volcanic and alluvial detritus was deposited during the Miocene and Pliocene epochs. Quaternary alluvium masked older strata, especially in the Arkansas River valley east of the Front Range.

Igneous Rock

The deformed metasedimentary and metavolcanic rocks in the Front Range and Wet Mountains are intruded by granitic rocks representing three separate episodes of Precambrian plutonism. Radiometric-age data (Hutchinson, 1976) indicate that the main periods of intrusion occurred from 1730-1650 m. y. ago (Boulder Creek granodiorite), from 1480 to 1350 m. y. ago (Cripple Creek granite), and about 1000 m. y. ago (Pikes Peak granite batholith). These plutonic rocks include granite, quartz monzonite, granodiorite, syenite, and gabbro. Alkalic and mafic igneous rocks were intruded into Precambrian metamorphic rocks in the northern Wet Mountains during Cambrian time. Major units in this suite include gabbro, syenite, nepheline syenite, pyroxenite, and carbonatite.

The Whitehorn granodiorite stock was intruded into Paleozoic strata northeast of Salida in late Cretaceous time. This is the only major intrusion in the Pueblo quadrangle associated with the Laramide orogeny. In the Sangre de Cristo Range, the Rito Alto tonalite stock is of Oligocene age. The Dawson formation in the northeastern part of the area includes lenses of andesite and andesitic sandstone, siltstone, and claystone of Laramide provenance.

Oligocene volcanic rocks predominate in the northwestern part of the Pueblo quadrangle. Similar rocks of the same age are scattered along the southwestern flank of the Wet Mountains. Rhyolite occurring in flows, ash-flow tuffs, lahars, and flow-banded domes and andesite in flows, flow-layered domes, breccia, lahars, and air-fall tuffs are the dominant rock types. Trachyte, latite, quartz latite, rhyodacite, and latite phonolite plugs, dikes, and flows are less common. The proximity of the uraniferous Tallahassee Creek conglomerate to outcrops of the Gribble Park and Wall Mountain rhyolite ash-flow tuffs and to the Thirtynine Mile andesite laharic breccias permits the inference that the uranium in the conglomerate may have been derived from leaching or erosion of the tuffs and lahars.

The rhyolite, latite, and andesite flows, flow breccias, lahars, and tuffs of the Waugh Mountain volcanic field in northwestern Fremont County comprise the largest area of Miocene volcanic rocks in the Pueblo quadrangle. Other rocks of similar age and lithology crop out along the southwestern flank of the Wet Mountains. It has been suggested (Lindgren and Ransome, 1906) that the gold deposits of the Cripple Creek district are genetically associated with phonolite dikes and plugs.

Structural Geology

Precambrian metasedimentary and metavolcanic rocks were deformed by folding and faulting during the Precambrian era. Metamorphism of strata of Boulder Creek (Precambrian X) age in part was associated with the intrusion of the Cripple Creek and Pikes Peak granite plutons of Precambrian Y age. Both igneous masses and northeasterly trending folds in metamorphic rocks were displaced by northwesterly and some northeasterly faults during late Precambrian time. The Currant Creek-Ilse fault zone, which is characterized by uranium geochemical anomalies, is an example of a major Precambrian break which was reactivated in Tertiary time (R. B. Taylor, oral communication, 1978). Clasts in Paleozoic and early Mesozoic strata of the Ancestral Denver

Basin and the Central Colorado trough were derived from the uplift and erosion of the Ancestral Rocky Mountains (Mallory, 1972; Tweto, 1975).

During late Cretaceous and Paleocene time, the Front Range and Wet Mountains were uplifted and eroded as part of the Laramide orogeny. Paleozoic and Mesozoic strata were folded and faulted along the eastern margin of the mountains, especially in the Canon City embayment. To the east, gently dipping Mesozoic and Tertiary strata underlie the Denver Basin. In late Eocene time, an erosion surface having low relief was cut in the Front Range and Wet Mountains during a time of relative tectonic stability.

Extensive volcanism during the Oligocene epoch dammed Eocene valleys, filled channels with alluvium and volcanic debris, and disrupted previous drainage patterns (Epis et al, 1976a). In the Tallahassee Creek conglomerate and other Oligocene strata some valley fill deposits are loci for uranium ore. Additional volcanism took place in Miocene time in the northwestern part of the Pueblo quadrangle, particularly in South Park. Block faulting took place along the margins of the San Luis graben, which is a northward extension of the Rio Grande rift system. Oligocene alluvium- and volcanic-filled channels were severed by displacement along faults. Faulting and canyon cutting continued in Pliocene time, culminating in the uplift of the Sangre de Cristo horst and the downdropping of the Pleasant Valley and Wet Mountain Valley grabens (Knepper, 1976).

Mineral Occurrences

The major mining districts of the southern Rocky Mountains are shown in Fig. 4; their descriptions are reported by Lovering and Goddard (1950). In addition, the Colorado resources map by the US Geological Survey (1973) shows the location and general size of metallic and non-metallic mineral deposits in the report area. The Cripple Creek gold-mining district has accounted for the greatest value of production in the Pueblo quadrangle.

Uranium Occurrences

Most uranium production in the Pueblo quadrangle has been from mines in the Tallahassee Creek district in Fremont County. Here, uranium ore occurs along paleovalleys in volcanic sandstones and conglomerates of the Tallahassee Creek conglomerate of Oligocene age (Scott, 1975). Recently, new ore bodies have been discovered in the district; consequently, exploration continues in the surrounding area. Other occurrences are reported from analogous Tertiary strata elsewhere in the Pueblo quadrangle.

A nominal output of uranium ore has been produced from prospects associated with veins and pegmatites in Precambrian granitic and metamorphic rocks. Small stratiform deposits have been discovered in Mesozoic and Paleozoic strata. Small shipments were made from the George Avery Ranch property (in Pueblo County) which has now been converted into a tank run for Fort Carson military maneuvers.

The locations of uranium occurrences and districts in the Pueblo quadrangle are listed in Appendix E and shown on the sample location overlay (Plate I in the rear pocket). The compilation of uranium occurrences in the Pueblo quadrangle prepared by the Colorado Geological Survey (Priestley, 1978) for the DOE was used freely in preparing Appendix E and Plate I.

Fig. 4. Mining districts in the Pueblo quadrangle, Colorado.

IV. PRESENTATION OF ANALYTICAL AND STATISTICAL DATA

This section presents statistical data for the uranium analyses of water and sediment samples from the Pueblo quadrangle. Field measurement, weather, geologic, geographic, and uranium data for each sample site are given for waters in Appendix B and for sediments in Appendix C. Appendix D explains the codes used in Appendixes B and C. Figures 5 and 6 are frequency histograms showing the distribution of uranium concentrations for water and sediment samples. Plates included in the rear pocket consist of a sample location overlay (Plate I), a uranium concentration overlay for waters (Plate II), and a uranium concentration overlay for sediments (Plate III). On Plate I, the prefix C2 and any leading zeros are deleted from each sample number. All plates are 1:250 000 scale and can be used with the Pueblo topographic map sheet and a geologic map thereof (Map I-1022), both published by the US Geological Survey.

All samples were analyzed for total uranium at LASL. Water samples were initially analyzed for uranium by fluorometry. In general, water samples containing more than 10 parts per billion (ppb) uranium were reanalyzed by delayed-neutron counting (DNC). All sediments were analyzed by DNC.

Fig. 5. Frequency distribution histogram for uranium content of water samples, Pueblo quadrangle, Colorado.

Fig. 6. Frequency distribution histogram for uranium content of sediment samples, Pueblo quadrangle, Colorado.

Sharp and Aamodt (1976) have shown that there is no significant statistical difference between the uranium concentrations in waters determined by fluorometry and those determined by DNC at the LASL.

Though nonlinear, the uranium intervals for all histograms and for the uranium concentration overlays (Plates II and III) were arbitrarily chosen to show best the distribution of the data. All analyses were included in calculating statistical means.

Although uranium data from different types of water sources may not be directly comparable, all water samples are here considered as a single population in computing the anomaly threshold, which is chosen at two standard deviations above the mean. Because it is difficult to assess the significance of individual samples having high uranium values, only water samples from locations that occur in clusters and contain uranium concentrations above the anomaly threshold are discussed. Using the criteria cited above, clusters of water samples which contain more than 36 ppb uranium are considered to be anomalous in the Pueblo quadrangle.

Similarly, in the discussion of anomalous sediment samples, sediments from all source types are considered as a single population. Again, the anomaly threshold is chosen at two standard deviations above the mean and only those sediments occurring in clusters of anomalous samples are discussed. Using these criteria, clusters of sediment samples containing more than 25 ppm uranium are considered anomalous in the Pueblo quadrangle.

Uranium Concentrations in Water

Water samples were collected from a total of 861 locations in the Pueblo quadrangle. The uranium content of all such waters ranges from below the detection limit (0.02 ppb) to 253.5 ppb and has a mean of 5.9 ppb. As shown in Table II, all water source types except springs and natural ponds have similar mean uranium values. Samples from springs and natural ponds have somewhat higher mean values.

About 3.1% of the water samples (17 ground waters and 10 surface waters) contain more than the anomaly threshold of 36 ppb uranium. Eighteen of these samples form three clusters, designated W1, W2, and W3 in Fig. 7. Samples within these clusters are described briefly in Table III. Samples in cluster W1 are from two springs and a stream in faulted Precambrian granodiorite of Boulder Creek age. These sites are about two miles from reported uranium

TABLE II
SUMMARY OF URANIUM DATA FOR WATER SAMPLES
IN THE PUEBLO QUADRANGLE, COLORADO

<u>Sample Type</u>	<u>Sample Site</u>	<u>Range (ppb) Min. - Max.</u>	<u>Mean</u>	<u>Standard Deviation</u>
All waters	861	0.01 - 253.5	5.88	16.72
Streams	359	0.01 - 253.5	4.93	16.63
Wells	271	0.08 - 175.2	6.26	16.73
Springs	159	0.01 - 130.0	7.38	17.98
Artificial Ponds	55	0.3 - 75.6	5.12	11.55
Natural Ponds	17	0.1 - 84.6	8.17	20.77

Fig. 7. Schematic diagram showing principal uranium anomaly clusters for water (W) and sediment (S) samples in the Pueblo quadrangle, Colorado.

TABLE III

ANOMALOUS URANIUM CONCENTRATION CLUSTERS IN WATER SAMPLES
FROM THE PUEBLO QUADRANGLE, COLORADO

<u>Water Cluster</u>	<u>LASL Sample Number</u>	<u>Water Type</u>	<u>Uranium (ppb)</u>	<u>Geology Remarks</u>
W1	C20162	Spring	120.7	In Precambrian granodiorite that is 1 to 3 miles from uranium occurrences in pegmatites in Precambrian schist
	C20164	Stream	36.4	
	C20180	Spring	74.5	
W2	C20193	Stream	46.8	In faulted Smoky Hill shale member of Niobrara formation in Arkansas River valley; anomalous areas are 1 to 3 miles from uranium occurrence in limestone
	C20194	Stream	60.2	
	C20195	Spring	71.5	
	C20196	Spring	72.8	
	C20222	Stream	36.8	
	C21237	Stream	44.2	
	C21239	Well	39.8	
W3	C21175	Stream	253.5	In broad valley of Arkansas River in Quaternary alluvium and eolian sand underlain by the Niobrara formation and Pierre shale
	C21186	Artificial Pond	75.6	
	C21188	Well	39.0	
	C21189	Well	38.9	
	C21216	Well	175.2	
	C21255	Well	47.9	
	C21261	Well	102.4	
	C21379	Well	51.8	

occurrences in pegmatite, schist, and gneiss in the Texas Creek district (occurrence 58 in Appendix E and on Plate I). Cluster W2 comprises water samples from four streams, two springs, and a well in Quaternary sediments that overlie the Pierre shale and Niobrara formation. Cluster W3 is made up of water samples from six wells, an artificial lake, and a stream where the Pierre shale and Niobrara formation are overlain in places by alluvium in the Arkansas River valley. A group of water samples containing relatively high uranium values delineate the Tallahassee Creek uranium district and its northern extension, the James-Taylor lease uranium occurrences. Elsewhere, along the Currant Creek-Ilse fault zone, there are several individual high uranium values. South and west of Florissant, a group of water samples relatively high in uranium are from sites in Precambrian quartz monzonite, Pikes Peak granite, and Florissant lake beds of Oligocene age. Along the eastern margin of the quadrangle centered at 38°30' N., a large number of wells have a higher uranium content than the low values elsewhere in the Great Plains portion of the map area.

Uranium Concentrations in Sediment

A total of 1060 locations was sampled for sediment in the Pueblo quadrangle. The statistical results for these sediments are summarized by

TABLE IV
SUMMARY OF URANIUM DATA FOR SEDIMENT SAMPLES
IN THE PUEBLO QUADRANGLE, COLORADO

<u>Sample Type</u>	<u>Sample Site</u>	<u>Range (ppm)</u> <u>Min. - Max.</u>	<u>Mean</u>	<u>Standard Deviation</u>
All Sediments	1060	0.9 - 226.4	7.08	9.56
Dry Streams	502	2.1 - 49.9	5.75	4.06
Wet Streams	366	2.2 - 226.4	8.85	13.88
Wet Springs	98	0.9 - 52.0	7.96	7.83
Wet Artificial Ponds	45	2.2 - 19.0	5.60	3.05
Wet Natural Ponds	18	2.8 - 11.9	5.56	2.59
Dry Artificial Ponds	13	3.1 - 8.2	4.65	1.40
Dry Springs	10	3.6 - 103.0	14.72	31.05
Dry Natural Ponds	8	2.8 - 11.9	4.79	0.75

source type in Table IV. The uranium content of all sediments ranges from 0.9-226.4 ppm and has a mean of 7.08 ppm. Greater mean uranium concentrations occur in wet sediments than in dry ones. The "other" sediments listed as sample type 99 in Appendix C are all dry-spring sediments that have been dried at 100 C and sieved to -100 mesh.

About 1.9% (or 20) of the sediment samples have a uranium content above the arbitrarily chosen anomaly threshold of 25 ppm. Fifteen of these anomalous sediment samples form two clusters, designated S1 and S2 in Fig. 7. Samples within these clusters are listed and described briefly in Table V. Cluster S1 comprises spring sediments from faulted Precambrian quartz monzonite of Cripple Creek age. Cluster S2 is made up mostly of wet stream sediments from faulted granitic plutons of the Pikes Peak batholith. However, two samples are from faulted Precambrian granodiorite of Boulder Creek age and one is from steeply dipping Mesozoic strata. Sediment samples from a broad belt of Precambrian terrane surrounding clusters S1 and S2 contain relatively high values of uranium. A cluster of relatively high uranium values in sediments is associated with occurrences 51, 54, and 58 (Appendix E and Plate I) in the west-central part of the Pueblo quadrangle. Sediment samples from sites along the Carrant Creek-Ilse fault zone contain relatively high amounts of uranium. Sediments from pegmatite areas in the Trout Creek Range in the northwestern corner of the Pueblo quadrangle also contain moderately high amounts of uranium. The uranium content of some sediments from the north-eastern part of the map area is also relatively high.

V. SUMMARY AND CONCLUSIONS

A total of 861 water and 1060 sediment samples were collected from 1402 locations in the Pueblo quadrangle at a nominal density of one per 10 km² over 19 700 km². The water samples were collected from five sources: streams, wells, springs, artificial ponds, and natural ponds. Sediment samples were collected from streams, springs, artificial ponds, and natural ponds.

TABLE V

ANOMALOUS URANIUM CONCENTRATION CLUSTERS IN SEDIMENT SAMPLES
FROM THE PUEBLO QUADRANGLE, COLORADO

<u>Sediment Cluster</u>	<u>LASL Sample Number</u>	<u>Sediment Type</u>	<u>Uranium (ppm)</u>	<u>Geology Remarks</u>
S1	C20340	Wet Spring	40.1	In faulted Precambrian quartz monzonite of Cripple Creek age near inliers of older granodiorite
	C20342	Wet Spring	27.8	
	C20365	Wet Spring	36.5	
S2	C20017	Wet Stream	36.7	Chiefly along or near faults in Precambrian granites of the Pikes Peak batholith. Near the center of this cluster is a group of uranium occurrences comprised of pegmatites and veins in granite. Two of the southern anomalies are in an older granodiorite of Boulder Creek age; another is in the Dakota sandstone and Purgatoire formation of Cretaceous age
	C20420	Wet Stream	31.5	
	C20423	Wet Stream	29.6	
	C20823	Wet Stream	46.0	
	C20859	Dry Stream	49.9	
	C20935	Wet Stream	53.6	
	C20936	Wet Stream	52.0	
	C20937	Wet Stream	57.5	
	C20944	Wet Stream	28.0	
	C20945	Wet Stream	41.6	
	C20948	Wet Stream	66.2	
	C20971	Wet Stream	226.4	

This study delineates areas in which water and/or sediment samples contain uranium concentrations notably higher than the surrounding background concentrations. The anomaly threshold was arbitrarily chosen at two standard deviations above the mean. The clusters of anomalous water and sediment samples considered to be the most significant are listed in Tables III and V. In general, the anomalous water samples were collected in areas underlain by Quaternary alluvium, Pierre shale, Niobrara formation, and Precambrian granodiorite. Most of the anomalous sediment samples were taken in places largely underlain by Precambrian granites of Pikes Peak and Silver Plume age. Most anomalous water and sediment samples from mountain locations are associated with fault zones and reported uranium occurrences. From certain areas, such as the Texas Creek district and the Currant Creek-Ilse fault zone, there are uranium anomalies or relatively high uranium values both in water and in sediment samples.

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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 (using a calibration factor obtained from testing of the specific scintillometer on a calibration block) to give the equivalent uranium (eU) value set forth in the data listing.

Field Observations

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

Sample Location Verification

Each contractor is supplied field maps with the desired sample types and locations symbolically premarked at the LASL. The maps are normally USGS quadrangles (either 7.5' or 15'), but where not available, Forest Service, State Highway, or other reasonably detailed maps are provided. As each location is sampled, a unique sample location number, preprinted on transparent adhesive labels provided with the identically numbered field data forms, is pasted over the precisely marked site on the field map. The latitude and longitude of each location is computed by the sampling contractor. Every location is later checked (and corrected if necessary) at the LASL by overlaying computer-produced location plots on the field maps used. The latitudes and/or longitudes are corrected if the overlay locations are displaced by more than 300 m from the locations marked on the field maps. When a desired location cannot be sampled as specified, an alternate sample type or location as near as possible to the original one is picked, and the new sample type and/or location is/are marked on the field map and properly labeled as above. The verification, then, is carried out in the same manner.

II. ANALYTICAL PROCEDURES

Water Samples Analyzed for Uranium by Fluorometry

In a controlled laboratory environment, two NaF (98%)-LiF (2%) flux pellets are prepared and placed on platinum dishes. The 25-ml water vial is shaken vigorously and two 0.20-ml aliquots of water are withdrawn and dropped onto the flux pellets, then evaporated under a heat lamp. The sample fluxes are then heated until fused. After they cool, they are excited with ultraviolet radiation in the fluorometer, and the fluorescence of each is read, recorded, and put through a computer routine using standards and blanks run at the same time to obtain the two uranium concentrations. The single uranium concentration of the water samples given in the data listing is the average obtained from the duplicate aliquots. The lower limit of detection for each aliquot by the normal procedure is 0.02 ppb. When a lower concentration than 0.02 ppb is found in an aliquot, it is arbitrarily averaged into the data listings as 0.01 ppb. If the listed uranium value is 0.01 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.

Water Samples Analyzed for Uranium by Delayed-Neutron Counting

Only waters with >10 ppb uranium are normally assayed using DNC. Samples taken in the 41-ml rabbits are thoroughly cleaned (exterior) before analysis. Samples received in 25-ml vials (used exclusively in some of the early work) are transferred to clean, labeled, 41-ml rabbits before being analyzed. Each

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

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

Uranium Analysis of Sediment Samples

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

APPENDIX B

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS
FOR WATER SAMPLES

(See Appendix D for Code to Listings)

APPENDIX B. Field Data and Uranium Concentrations for Water Samples

DOE SAMPLE NUMBER						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 (#) UNITS IN ppb
							DATE	HOUR																										
0A-3A	7383-105	5299-2-06				0-C20001-0A/27/75-10	25-1A-2		5.2	13000				15-2-7-4-6-2-3-1-1-1-3-3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50*	
0A-3A	8458-105	9208-2-07				0-C20002-0A/02/75-9	10-3A-4-C		8.1	5750				12-2-7-6-6-2-2-1-2-4-2-3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.05	
0A-3A	7219-105	5151-2-07				0-C20003-0A/26/75-17	10-3A-2-C		8.0	6200				12-2-4-4-6-3-3-1-2-6-2-3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.45	
0A-3A	6961-105	8272-2-07				0-C20004-0A/26/75-13	21-3A-5-C		7.7	4470				12-3-7-3-6-2-2-1-2-6-3-6-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.25	
0A-3A	8894-105	0404-2-07				0-C20005-0A/05/75-9	21-3A-4-C		6.0	4300				03-4-5-6-3-4-4-2-6-3-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.46	
0A-3A	9189-105	0428-2-07				0-C20006-0A/05/75-10	20-3A-6-C		5.9	3600				21-3-4-4-4-4-4-4-2-3-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70	
0A-3A	9156-105	0857-2-07				0-C20007-0A/05/75-10	18-3A-9		5.8	5500				7-3-4-4-4-2-2-1-2-6-3-2-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.54	
0A-3A	9892-105	0844-2-07				0-C20008-0A/05/75-12	22-3A-5		7.1	1700				4-3-4-5-6-2-3-2-2-4-3-2-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.08	
0A-3A	9572-105	1044-2-07				0-C20009-0A/05/75-13	21-1A-9		5.9	1300				12-3-7-4-6-2-2-3-2-6-4-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70	
0A-3A	8872-105	1484-2-07				0-C20010-0A/05/75-13	10-0A-5		5.9	3500				12-3-4-4-4-4-4-4-1-2-1-3-4-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50	
0A-3A	8653-105	1599-2-07				0-C20011-0A/05/75-13	10-2A-7		6.0	4300				10-3-4-4-4-4-4-4-1-2-2-3-6-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.63	
0A-3A	8589-105	1400-2-07				0-C20012-0A/05/75-14	10-1A-7		5.9	3600				10-3-4-4-4-4-4-4-1-2-4-3-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.24	
0A-3A	9400-105	0158-2-07				0-C20013-0A/07/75-9	21-1A-0		7.3	1900				13-3-4-5-6-3-4-4-2-2-2-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.03	
0A-3A	9856-105	2222-2-06				0-C20015-0A/07/75-11	20-3A-8		6.4	8800				7-3-4-4-4-2-2-1-2-3-3-2-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.21	
0A-3A	9133-105	1557-2-07				0-C20016-0A/12/75-9	15-0A-0		5.4	7300				10-3-4-5-6-2-2-1-1-4-3-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43	
0A-3A	8728-105	1228-2-07				0-C20017-0A/12/75-9	15-0A-0		5.5	3600				13-3-4-4-4-4-3-3-1-2-2-3-4-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.03	
0A-3A	8397-105	1734-2-07				0-C20018-0A/12/75-10	18-0A-0		5.4	4500				22-3-4-4-4-4-3-1-2-4-2-3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07	
0A-3A	8389-105	1742-2-07				0-C20019-0A/12/75-10	18-1A-5		5.9	5500				21-3-4-4-4-4-3-1-2-4-2-3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.50	
0A-3A	8367-105	1417-2-07				0-C20020-0A/12/75-10	18-2A-4		5.8	5000				24-3-4-3-6-4-3-1-2-2-2-3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73	
0A-3A	8378-105	1411-2-07				0-C20021-0A/12/75-10	18-1A-2		5.2	5500				15-3-4-3-6-4-3-1-2-2-2-2-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.93	
0A-3A	8031-105	2258-2-06				0-C20022-0A/12/75-11	20-2A-0		9.5	1300				7-3-4-4-6-1-1-3-2-3-2-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.33	
0A-3A	7925-105	1022-2-07				0-C20023-0A/12/75-12	20-1A-8		5.5	1150				24-3-4-4-6-2-3-1-2-4-2-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.27	
0A-3A	7194-105	1794-2-07				0-C20024-0A/12/75-12	22-0A-2		5.3	5500				12-3-4-4-6-3-3-3-2-2-3-1-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40	
0A-3A	6756-105	2260-2-07				0-C20025-0A/12/75-13	22-2A-0		7.8	1700				12-3-4-4-6-4-4-3-2-2-3-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	
0A-3A	6661-105	2250-2-07				0-C20026-0A/12/75-13	22-1A-4		7.5	5000				18-3-4-4-6-4-4-2-2-2-3-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.33	
0A-3A	6494-105	2151-2-07				0-C20027-0A/12/75-13	22-2A-6		8.4	5250				12-3-4-4-6-4-4-3-2-2-3-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.22	
0A-3A	6281-105	2175-2-07				0-C20028-0A/12/75-15	24-1A-0		9.3	6800				03-4-4-6-2-2-5-1-2-2-4-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.00*	
0A-3A	9647-105	1100-2-06				0-C20029-0A/14/75-10	18-2A-5		5.7	2300				18-3-4-3-6-2-3-1-2-1-3-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60	
0A-3A	9889-105	1334-2-07				0-C20030-0A/14/75-10	19-1A-2		5.7	2250				12-3-4-4-6-2-3-2-2-4-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.73	
0A-3A	9331-105	2242-2-07				0-C20031-0A/14/75-11	21-1A-8		7.4	2100				15-3-4-3-6-2-2-1-2-4-3-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.25	
0A-3A	9136-105	2494-2-06				0-C20032-0A/14/75-11	21-4A-0		6.4	1450				12-3-4-4-6-2-3-2-1-3-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43	
0A-3A	9131-105	2111-2-10				0-C20033-0A/14/75-12	21-1A-5		8.9	1300				6-3-4-4-6-2-3-5-2-1-3-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.78	
0A-3A	9389-105	1751-2-06				0-C20034-0A/14/75-10	19-1A-4		5.9	3400				13-3-4-6-6-2-3-1-2-4-3-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.24	
0A-3A	7811-105	2142-2-07				0-C20035-0A/14/75-13	22-1A-5		7.9	1150				10-3-4-3-6-3-3-1-2-1-2-5-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.67	
0A-3A	7794-105	2131-2-07				0-C20036-0A/14/75-14	22-2A-0		7.7	1400				7-3-4-3-6-2-3-1-2-1-3-5-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.64	
0A-3A	6911-105	2283-2-07				0-C20037-0A/14/75-16	22-1A-9		7.8	2300				21-3-4-1-4-2-3-1-2-1-2-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
0A-3A	6928-105	2303-2-07				0-C20038-0A/14/75-17	22-1A-3		7.7	2400				9-3-4-1-4-2-3-1-2-1-2-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.62	
0A-3A	6275-105	2144-2-07				0-C20039-0A/14/75-18	20-2A-0		9.4	7000				15-3-4-3-6-3-3-2-1-4-3-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00*	
0A-3A	0014-105	0422-2-07				0-C20040-0A/05/75-18	10-1A-4-C		5.2	7200				7-3-4-5-6-3-3-2-1-1-3-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.00	
0A-3A	0553-105	0494-2-07				0-C20041-0A/05/75-19	18-1A-1		5.4	1250				13-3-7-4-6-3-3-1-1-2-3-3-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25	
0A-3A	0647-105	1044-2-07				0-C20042-0A/06/75-11	22-1A-4		5.2	4500				9-3-4-2-6-3-3-2-2-2-4-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.51	
0A-3A	0650-105	1051-2-07				0-C20043-0A/06/75-11	24-1A-7		7.2	9700				16-3-4-5-6-2-3-1																				

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 (cu ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (N) UNITS IN ppb
							DATE	HOUR																										
AR-3A	1206-105	0459-2-07				0-C20054-08/06/74-19	24-16.8-C	7.6	263	12-3-6-4-4-2-2-1-1-6-4-3-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.62		
AR-3A	1461-105	0675-2-07				0-C20055-08/06/74-19	23-16.9-C	5.4	162	15-3-6-2-4-3-3-1-2-6-3-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.07		
AR-3A	1342-105	0650-2-06				0-C20056-08/06/74-19	18-22.4-C	5.4	112	7-1-6-5-6-2-3-4-6-3-3-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.50		
AR-3A	1356-105	1054-2-07				0-C20057-08/06/74-20	17-16.1-C	4.8	142	15-1-4-6-6-3-3-1-2-3-4-1	-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77		
AR-3A	0711-105	0957-2-07				0-C20058-08/07/74-10	23-16.2	7.0	192	4-3-6-5-6-2-2-1-1-6-4-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77		
AR-3A	1153-105	1434-2-07				0-C20059-08/07/74-10	18-14.2	5.4	132	7-1-6-2-6-3-3-1-2-6-4-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02		
AR-3A	1447-105	1457-2-07				0-C20060-08/07/74-11	15-12.5	5.8	200	12-1-4-4-6-3-3-1-2-6-3-6-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03		
AR-3A	1606-105	1008-2-07				0-C20061-08/07/74-12	15-16.4	5.4	187	9-1-6-2-6-3-3-1-2-6-2-3-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02		
AR-3A	1644-105	1022-2-07				0-C20062-08/07/74-12	14-16.3	4.8	275	18-1-6-3-6-2-3-1-1-6-3-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.11		
AR-3A	1617-105	1022-2-07				0-C20063-08/07/74-12	18-16.1-C	5.8	261	10-1-8-3-6-2-3-1-1-6-4-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.11		
AR-3A	1189-105	2278-2-07				0-C20064-08/07/74-12	15-15.7-C	7.0	225	10-1-6-5-6-2-3-1-1-6-4-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.41		
AR-3A	1511-105	2231-2-07				0-C20065-08/07/74-12	14-15.8-C	5.8	235	9-1-6-3-6-2-3-1-1-6-4-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04		
AR-3A	1667-105	2178-2-07				0-C20067-08/07/74-13	20-16.4-C	7.0	314	17-1-5-5-6-2-3-1-1-6-5-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.63		
AR-3A	2017-105	2634-2-10				0-C20068-08/07/74-13	21-11.9-C	7.0	415	18-1-6-5-6-1-2-1-6-5-2-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73		
AR-3A	2303-105	0899-2-07				0-C20069-08/07/74-15	26-21.4-C	5.8	292	19-1-6-4-6-3-3-1-1-6-3-2-3	-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62		
AR-3A	2019-105	0954-2-07				0-C20071-08/07/74-15	27-21.1-C	7.0	260	12-1-6-4-6-3-3-1-1-1-2-3-3	-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.48		
AR-3A	1939-105	0834-2-08				0-C20073-08/07/74-16	25-23.9-C	7.7	1110	10-1-6- - -3-3-5-6-4-2-6-3	-9-9	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.67		
AR-3A	1808-105	1093-2-07				0-C20075-08/08/74-10	17-16.1-C	6.4	308	13-1-1-4-6-3-3-1-1-3-5-4-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.88		
AR-3A	1739-105	0997-2-07				0-C20076-08/09/74-10	17-13.8	6.4	272	22-1-4-4-6-2-3-3-1-1-6-4-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80		
AR-3A	2583-105	0589-2-08				0-C20077-08/09/74-11	21-13.4-C	5.8	1040	9-1-6-5-6-1-3-5-6-4-3-1-3	-3-1	2	24	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.53		
AR-3A	9472-105	2203-2-06				0-C20079-08/17/74-12	22-15.4	6.8	370	15-3-6-4-7-2-3-1-2-6-3-4-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.73		
AR-3A	9056-105	2033-2-06				0-C20080-08/17/75-12	22-0.8	6.0	120	13-3-6- - -2-3-1-1-1-3-4-2	-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.44		
AR-3A	9400-105	1460-2-07				0-C20081-08/17/74-13	22-18.8	5.2	105	10-3-6-3-6-2-3-1-2-6-3-4-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40		
AR-3A	9889-105	1772-2-06				0-C20082-08/17/74-14	22-10.4	6.0	110	13-3-6-5-6-2-2-2-2-1-3-4-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.66		
AR-3A	8819-105	1044-2-10				0-C20083-08/17/75-13	21-20.0	7.8	210	9-3-6-5-6-2-2-3-3-2-6-3-6-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17		
AR-3A	8414-105	2092-2-07				0-C20084-08/17/75-15	18-14.4	5.8	55	27-3-4-1-4-3-4-1-2-1-4-5-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16		
AR-3A	8008-105	1172-2-07				0-C20085-08/17/74-16	14-10.2	5.9	35	9-3-6-3-6-3-3-1-2-2-3-5-3	-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10		
AR-3A	9033-108	0947-2-07				0-C20086-08/17/74-17	15-11.8	5.7	35	3-6-4-3-6-3-3-1-2-1-3-5-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16		
AR-3A	7550-105	1054-2-07				0-C20087-08/17/75-18	14-14.5	4.0	50	6-3-6-3-6-3-3-1-1-6-3-5-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.50		
AR-3A	7561-105	1033-2-07				0-C20088-08/17/74-18	14-14.5	5.4	70	4-3-6-3-6-3-3-1-2-1-3-5-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.13		
AR-3A	1650-105	4433-2-08				0-C20090-08/07/75-15	20-14.2	7.4	50	14-1-1-5-6-1-2-2- -3-2-1-2	-3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15		
AR-3A	1444-105	4891-2-07				0-C20092-07/07/74-16	21-14.3-C	7.4	190	8-1-1-8-8-2-3-1-2-6-4-1-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.44		
AR-3A	1917-105	4917-2-10				0-C20093-08/07/74-16	20-14.1-C	9.6	320	12-1-1-5-6-1-2-2- -4-3-2-4	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.62		
AR-3A	2164-105	4111-2-07				0-C20095-08/08/74-12	20-17.2-C	7.2	500	12-1-1-4-6-2-2-1-2-1-2-6-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.29		
AR-3A	2128-105	3184-2-08				0-C20100-08/07/74-15	24-16.2-C	8.2	430	4-1-1- - -2-3-1- -4-3-3-3	-3-1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.67		
AR-3A	2233-105	2622-2-07				0-C20101-08/08/74-16	23-19.8-C	9.1	375	14-1-1-6-8-2-2-1-2-2-2-4-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.18		
AR-3A	1747-105	3608-2-07				0-C20103-08/08/74-17	19-18.4-C	7.4	435	12-1-1-3-6-2-2-1-2-2-2-3-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30		
AR-3A	1469-105	4100-2-08				0-C20105-08/08/74-18	17-12.3-C	7.8	440	14-1-1-4-6-2-3-1- -4-4-2-2	-3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
AR-3A	2089-105	5557-2-07				0-C20106-08/09/74-11	19-15.3-C	7.4	465	8-1-1-4-6-2-2-1-2-6-3-1-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.19		
AR-3A	1811-105	5292-2-09				0-C20107-08/09/74-13	18-15.2-C	5.2	240	14-1-1-4-6-1-3-3-2-3-4-4-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.48		
AR-3A	1683-105	4500-2-07				0-C20108-08/09/74-15	18-15.5-C	6.0	160	18-1-7-3-6-3-2-1-2-2-3-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10		
AR-3A	1547-105	5300-2-10				0-C20109-08/09/75-15	18-20.1-C	5.4	215	14-2-7-5-6-1-3-1- -6-4-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.74		
AR-3A	1311-105	8117-2-07				0-C20110-08/09/74-15	20-14.2-C	5.1	215	10-2-7-4-5-3-3-1-2-6-4-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.49		
AR-3A	1306-105	8657-2-07				0-C20111-08/09/74-15	19-12.2-C	5.7	170	16-2-7-3-6-4-3-1-2-2-3-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50		
AR-3A	1053-105	6027-2-09				0-C20112-08/09/75-16	16-15.0-C	5.7	150	8-2-7-6-6-1-3-1- -3-4-3-3	-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60		
AR-3A	1239-105	8206-2-07				0-C20113-08/09/76-16	15-13.2-C	5.5	160	12-2-7-3-6-4-3-1-2-2-3-4-4	-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60		
AR-3A	1122-105	5522-2-07				0-C20114-08/09/74-17	14-14.3-C	6.1	300	6-2-7-3-6-3-3-1-2-6-4-2-6	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.68		
AR-3A	0722-105	5833-2-07				0-C20115-08/10/74-15	10-11.2	8.2	185	16-2-7- - -3-3-1-2-2-6-4-1	-3	-</																						

APPENDIX B (continued). Field Data and Uranium Concentrations for Water 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 (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DMC (+) UNITS IN ppb
							DATE	HOUR																									
0A-3A	4267-105	1050-2-07				0-C20213-08/10/74-18	24	15.7		5.8			4720	14-1-4-5-7-3-4-1-1-4-4-3-3-3-7-																		11.50*	
0A-3A	4478-105	1039-2-07				0-C20214-08/11/74-10	24	11.9		6.7			1600	6-1-4-3-6-2-3-2-1-4-2-3-1-3-																			15.70*
0A-3A	4950-105	1281-2-06				0-C20218-08/11/74-12	24	21.9		7.2			259	15-1-4-4-4-2-3-4-1-4-3-3-3-1-																			2.06
0A-3A	4769-105	0911-2-07				0-C20219-08/11/74-12	20	27.4		7.2			367	14-1-4-4-6-2-2-1-1-4-2-3-3-7-																			5.53
0A-3A	4889-105	0634-2-08				0-C20220-08/11/74-13	24	24.2		9.8			610	6-1-4-1-1-1-1-5-4-3-3-3-3-1-3-																			1.88
0A-3A	4261-105	0547-2-07				0-C20221-08/11/74-14	24	20.1		6.6			1820	9-1-4-5-6-2-3-1-1-4-4-3-3-3-																			36.00*
0A-3A	4242-105	0547-2-08				0-C20222-08/11/74-14	24	30.1		7.0			1900	21-1-4-5-7-4-3-1-1-4-3-2-3-3-9-																			11.00*
0A-3A	1303-105	4722-2-07				0-C20224-10/23/74-9		1.4		8.4			285	12-1-1-5-4-4-3-1-2-4-4-1-1-3-																			2.50
0A-3A	1206-105	4454-2-07				0-C20225-10/23/74-9				8.6			223	7-1-4-4-1-1-3-3-1-2-4-3-1-1-3-																			0.09
0A-3A	0658-105	4486-2-07				0-C20227-10/23/74-10				9.0			148	12-1-4-4-6-3-3-1-2-4-3-1-1-3-																			0.50
0A-3A	0500-105	4499-2-07				0-C20228-10/23/74-10				8.5			100	6-1-4-5-8-3-3-1-2-4-3-1-1-3-																			1.88
0A-3A	0119-105	4717-2-07				0-C20229-10/23/74-10				9.2			100	6-1-6-4-6-4-3-1-2-4-3-1-1-3-																			1.51
0A-3A	0467-105	4416-2-07				0-C20230-10/23/74-11				6.0			250	9-1-4-5-8-2-3-1-2-4-3-1-1-3-																			1.01
0A-3A	0289-105	4433-2-07				0-C20231-10/23/74-11				6.0			122																				

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)	SCINTILOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER 12 Z/L	WATER CHANNEL	STREAM CHANNEL VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (+) UNITS IN ppb																																																											
							DATE	HOUR																																																																																				
0A-3A,2322-105,9A56-2-07-	0A-3A,2486-105,9A44-2-07-	0A-3A,1331-105,7A61-2-07-	0A-3A,1256-105,7A44-2-06-	0A-3A,9097-105,7A9A-2-07-	0A-3A,0572-105,7A72-2-07-	0A-3A,0256-105,7A10-2-06-	0A-3A,0047-105,8125-2-06-	0A-3A,0111-105,7750-2-09-	0A-3A,2422-105,9A97-2-07-	0A-3A,2153-105,8150-2-07-	0A-3A,1550-105,9A7A-2-07-	0A-3A,0778-105,8A81-2-06-	0A-3A,0775-105,9A67-2-09-	0A-3A,0422-105,910A-2-06-	0A-3A,0050-105,9A25-2-06-	0A-3A,0142-105,8A2A-2-06-	0A-3A,0778-105,9A81-2-06-	0A-3A,0486-105,9A94-2-06-	0A-3A,0253-105,9757-2-06-	0A-3A,0572-105,9A0A-2-06-	0A-3A,0539-105,8A75-2-06-	0A-3A,0122-105,8A50-2-07-	0A-3A,0389-105,8A31-2-07-	0A-3A,9225-105,2A14-2-07-	0A-3A,9094-105,2780-2-06-	0A-3A,8247-105,2A51-2-07-	0A-3A,8156-105,2A61-2-07-	0A-3A,8519-105,4100-2-06-	0A-3A,8517-105,4A31-2-06-	0A-3A,8717-105,4A19-2-06-	0A-3A,9719-105,2747-2-07-	0A-3A,9761-105,2761-2-07-	0A-3A,9369-105,3A51-2-08-	0A-3A,9139-105,2A61-2-08-	0A-3A,9244-105,2A47-2-07-	0A-3A,9108-105,2A53-2-06-	0A-3A,8836-105,2A72-2-07-	0A-3A,8247-105,2A83-2-10-	0A-3A,7803-105,2A0A-2-07-	0A-3A,7517-105,2A39-2-07-	0A-3A,7772-105,3A61-2-07-	0A-3A,8075-105,3A42-2-10-	0A-3A,7803-105,3A9A-2-10-	0A-3A,7817-105,4A97-2-07-	0A-3A,7742-105,3A97-2-07-	0A-3A,7686-105,3A50-2-10-	0A-3A,7731-105,3A0A-2-07-	0A-3A,7806-105,4A31-2-07-	0A-3A,7825-105,4A2A-2-07-	0A-3A,8003-105,4A5A-2-06-	0.73	2.55	0.47	4.06	3.87	0.33	0.50	0.67	0.10	5.17	1.54	0.60	2.37	0.36	0.23	2.07	0.36	1.44	0.10	2.55	1.07	2.59	2.20	1.03	4.50	6.08	6.66	0.34	2.02	0.80	1.01	0.32	4.34	3.60	4.60	2.61	3.60	1.59	1.87	0.87	1.88	0.05

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	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)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (N)	UNITS IN ppb
0A-3A	9033-105	4407-2-06				0-C20362-08/19/74-9		13-08-20		5.8					240		13-3-7-4-8-2-2-1-2-4-3-6-2-3																		1.54	
0A-3A	9347-105	4104-2-07				0-C20363-08/19/74-13		24-12-08		7.6					500		13-3-7-3-8-2-2-1-2-4-3-6-2-3																		0.66	
0A-3A	8808-105	3950-2-06				0-C20364-08/19/74-14		18-08-20		9.7					150		12-3-7-6-8-2-2-1-2-4-3-6-2-3																		2.44	
0A-3A	8433-105	3497-2-06				0-C20365-08/19/74-15		22-12-08		9.0					425		13-3-7-3-8-2-2-1-2-4-3-6-2-3																		7.76	
0A-3A	9783-105	5833-2-07				0-C20366-08/20/75-9		15-14-7		7.6					550		6-4-6-2-2-1-2-4-2-2-1-1-3																		1.17	
0A-3A	9900-105	6384-2-07				0-C20367-08/19/74-10		17-14-2		9.0					5000		15-2-1-4-1-1-2-2-2-4-2-1-1-3																		8.60*	
0A-3A	9583-105	6104-2-07				0-C20368-08/19/74-10		17-21-0		9.6					800		7-2-7-4-6-2-2-1-2-4-2-2-1-3																		2.31	
0A-3A	9583-105	6104-2-06				0-C20369-08/19/74-11		14-10-6		9.0					3500		15-2-4-6-7-1-2-4-4-3-2-1-3																		17.00*	
0A-3A	9672-105	6117-2-09				0-C20370-08/19/74-11		21-10-8		7.6					2100		15-2-4-6-7-1-2-4-4-2-2-1-3																		6.22	
0A-3A	9756-105	6096-2-07				0-C20371-08/19/74-12		23-10-8		7.9					675		18-2-4-4-7-2-2-1-2-4-2-2-1-3																		3.73	
0A-3A	9325-105	7175-2-07				0-C20372-08/14/74-12		14-02-8		7.7					600		7-3-2-4-6-2-2-1-2-4-2-2-1-3																		1.66	
0A-3A	8700-105	4074-2-06				0-C20373-08/19/74-12		14-13-8		7.6					425		3-2-4-6-6-2-2-1-2-1-2-3-2-3																		1.54	
0A-3A	8703-105	7199-2-07				0-C20374-08/19/74-13		13-22-2		9.3					500		1-2-4-5-6-2-2-1-2-4-2-2-3-3																		3.53	
0A-3A	8319-105	4811-2-06				0-C20375-08/19/74-14		10-7-1		7.9					500		15-2-4-4-6-2-2-1-2-1-2-4-4-3																		7.72	
0A-3A	8603-105	4725-2-06				0-C20376-08/19/74-15		10-0-0		9.2					440		10-2-8-4-6-2-2-1-2-1-3-3-4-3																		1.02	
0A-3A	7744-105	6044-2-06				0-C20377-08/19/74-15		13-10-2		9.0					490		13-2-4-4-6-2-2-1-2-1-3-4-4-3																		4.59	
0A-3A	7572-105	4439-2-06				0-C20378-08/19/74-16		14-0-6		7.4					210		4-2-7-5-8-2-3-1-2-1-3-4-4-3																		0.54	
0A-3A	7672-105	4594-2-10				0-C20379-08/19/74-17		14-10-6		7.6					200		9-2-7-6-6-2-2-2-2-1-3-4-4-3																		1.54	
0A-3A	7733-105	4575-2-06				0-C20380-08/19/74-18		12-10-0		7.1					400		10-2-4-4-6-2-3-1-2-1-3-3-4-3																		1.54	
0A-3A	8919-105	5322-2-10				0-C20382-08/14/75-8		12-08-8		7.4					270		7-3-6-4-6-3-2-1-2-3-3-3-1-3																		1.58	
0A-3A	8997-105	5361-2-07				0-C20383-08/14/75-10		12-11-6		7.9					465		7-3-7-4-8-2-2-1-2-4-3-1-1-3																		1.33	
0A-3A	8886-105	5072-2-07				0-C20384-08/14/75-10		13-09-0		5.7					290		6-3-4-6-8-1-3-1-2-4-2-1-1-3																		19.80*	
0A-3A	8878-105	5861-2-06				0-C20385-08/14/75-12		18-17-5		9.1					240		18-3-7-6-8-2-2-1-2-1-2-2-1-3																		0.10	
0A-3A	8850-105	4894-2-07				0-C20386-08/14/75-12		13-14-6		7.5					180		7-3-7-4-6-3-2-2-1-2-3-2-3-1-3																		0.02	
0A-3A	9064-105	6131-2-06				0-C20387-08/14/75-13		20-08-0		7.6					295		9-3-7-6-8-2-2-1-2-4-2-2-1-3																		1.57	
0A-3A	9247-105	6304-2-07				0-C20390-08/14/75-14		24-20-8		8.2					500		7-3-7-3-6-2-2-2-2-4-2-2-1-3																		8.73	
0A-3A	8972-105	6400-2-08				0-C20391-08/14/75-15		23-14-2		9.0					1180		12-3-7-6-8-2-3-1-4-2-2-1-3-1																		9.68	
0A-3A	8922-105	6433-2-07				0-C20392-08/14/75-16		27-22-1		7.9					500		9-3-7-3-6-2-2-1-2-4-2-2-1-3																		8.28	
0A-3A	8478-105	6289-2-06				0-C20394-08/14/75-17		20-14-1		7.6					250		7-3-7-5-6-1-2-1-2-1-2-4-1-1																		1.11	
0A-3A	9861-105	4310-2-07				0-C20395-08/14/75-8		19-12-2		7.5					725		10-2-7-6-8-1-2-4-2-1-3-3-1-3																		3.48	
0A-3A	8950-105	4892-2-07				0-C20397-08/16/75-9		9-12-1		7.3					450		9-2-1-4-6-2-2-1-2-4-3-2-1-1																		1.59	
0A-3A	8931-105	4784-2-06				0-C20398-08/16/75-10		15-10-1		7.6					360		10-2-7-5-8-2-3-1-2-4-3-2-1-3																		2.07	
0A-3A	8025-105	5097-2-07				0-C20399-08/16/75-10		18-11-4		7.8					430		12-2-7-5-8-1-2-2-2-2-3-2-1-3																		1.51	
0A-3A	7744-105	5634-2-10				0-C20402-08/16/75-11		17-10-0		7.9					450		13-2-1-5-8-1-2-2-2-1-2-2-1-3																		1.09	
0A-3A	7878-105	5890-2-07				0-C20403-08/16/75-12		19-16-2		9.1					525		6-2-7-4-6-3-2-1-2-1-2-3-1-3																		3.10	
0A-3A	7903-105	5889-2-07				0-C20404-08/16/75-12		18-20-5		9.0					525		6-2-7-4-6-3-2-1-2-1-2-3-1-3																		1.09	
0A-3A	7922-105	6539-2-06				0-C20405-08/16/75-14		19-06-0		7.7					110		18-2-4-4-8-2-2-3-1-2-1-3-4-1-3																		1.08	
0A-3A	7917-105	6394-2-06				0-C20406-08/16/75-14		14-7-1		7.8					140		18-2-7-5-8-2-2-1-2-1-4-5-3-3																		1.07	
0A-3A	7667-105	6831-2-06				0-C20407-08/16/75-16		14-10-7		7.8					600		3-2-7-6-8-1-2-2-2-1-3-3-1-3																		2.76	
0A-3A	8406-105	7100-2-07				0-C20408-08/16/75-16		20-14-2		9.6					500		10-2-7-4-6-2-2-1-2-4-2-2-1-3																		2.69	
0A-3A	8094-105	7433-2-07				0-C20409-08/16/75-16		14-14-8		9.5					500		7-2-4-4-6-2-2-2-2-4-2-2-3-3																		2.50	
0A-3A	9728-105	7559-2-07				0-C20411-08/17/75-10		20-14-0		7.0					440		12-2-6-3-6-3-3-1-2-1-3-3-3-1																		1.10	
0A-3A	9328-105	4117-2-07				0-C20412-08/17/75-10		14-14-8		7.8					825		15-2-7-4-6-4-3-1-2-1-3-3-1-1																		4.46	
0A-3A	9453-105	2972-2-07				0-C20414-08/17/75-11		24-12-0		7.7					625		12-2-1-6-8-2-2-1-2-4-3-3-2-1																		1.38	
0A-3A	9486-105	2831-2-10				0-C20415-08/17/75-12		23-17-5		7.8					260		24-2-4-4-8-1-2-2-2-1-3-3-2-1																		1.67	
0A-3A	9494-105	2917-2-07				0-C20416-08/17/75-12		24-22-5		7.7					250		15-2-1-4-6-2-2-1-2-4-3-2-2-3																		2.75	
0A-3A	9439-105	3234-2-10				0-C20417-08/17/75-13		20-10-1		9.2					250		9-2-4-5-8-2-3-1-2-1-3-4-2-3																		8.60*	
0A-3A	9211-105	3575-2-09				0-C20418-08/17/75-13		20-14-1		7.8					550		12-2-4-5-6-1-2-2-2-1-3-4-3-1																		84.60*	
0A-3A	7353-105	0172-2-07																																		

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 (x) UNITS IN ppb	
							DATE	HOUR																											
OR-3A	7094-105	0409-2-07				0-C20422-08/18/74-12	18-12	12	5.2	55			5.2	55	27-3-6-2-6-3-3-1-2-1-3-5-3	-3																		0.10	
OR-3A	7094-105	0409-2-07				0-C20423-08/18/74-12	18-12	12	5.2	47			5.2	47	18-3-4-3-6-3-3-1-2-1-3-5-3	-3																			1.65
OR-3A	7428-105	0409-2-07				0-C20424-08/18/74-14	18-14	14	5.6	52			5.6	52	41-3-4-3-6-3-3-1-2-2-3-5-3	-3																			0.10
OR-3A	7417-105	0409-2-07				0-C20425-08/18/74-14	18-14	14	5.7	375			5.7	375	36-3-4-3-6-3-3-1-2-2-3-5-3	-3																			1.24
OR-3A	6942-105	1453-2-07				0-C20426-08/18/74-16	18-16	16	7.3	540			7.3	540	22-3-4-3-6-3-3-1-2-2-4-3-3	-2																			0.51
OR-3A	5903-105	2253-2-07				0-C20429-08/23/74-10	23-10	10	7.8	800			7.8	800	6-3-4-3-6-3-3-2-1-2-3-4-3	-3																			7.59
OR-3A	5772-105	2300-2-07				0-C20430-08/23/74-10	23-10	10	8.6	2300			8.6	2300	15-3-4-3-6-3-3-4-2-2-4-3-3	-3																			5.56
OR-3A	5442-105	2211-2-07				0-C20433-08/23/74-11	23-11	11	9.3	800			9.3	800	12-3-4-3-6-3-3-1-2-1-2-4-3-3	-3																			7.44
OR-3A	5203-105	1234-2-07				0-C20435-08/23/74-13	23-13	13	7.9	40			7.9	40	15-1-4-3-4-3-3-1-2-1-2-5-2	-9																			4.22
OR-3A	5442-105	1122-2-07				0-C20434-08/23/74-13	23-13	13	6.8	90			6.8	90	21-3-4-2-4-2-3-1-2-2-2-5-2	-1																			0.56
OR-3A	5683-105	0489-2-07				0-C20437-08/23/74-13	23-13	13	7.9	250			7.9	250	24-3-4-3-6-2-3-1-2-1-2-5-2	-9																			2.50
OR-3A	5672-105	0414-2-07				0-C20438-08/23/74-13	23-13	13	7.7	190			7.7	190	10-3-4-2-6-3-3-1-2-1-2-5-2	-9																			1.20
OR-3A	6106-105	1303-2-07				0-C20439-08/23/74-16	23-16	16	7.5	170			7.5	170	27-3-4-3-6-3-3-1-2-1-3-5-3	-9																			1.12
OR-3A	6508-105	1100-2-07				0-C20440-08/23/74-16	23-16	16	7.9	225			7.9	225	12-3-4-1-4-3-3-1-2-1-3-5-3	-1																			1.53
OR-3A	6508-105	1117-2-07				0-C20441-08/23/74-16	23-16	16	7.7	295			7.7	295	18-3-4-3-6-3-3-1-2-1-3-5-3	-9																			1.03
OR-3A	5003-105	0489-2-08				0-C20442-08/24/74-11	24-11	11	7.6	600			7.6	600	7-1-4-3-6-3-3-1-2-1-3-2-4-2	-3-4	68																		3.47
OR-3A	5411-105	0275-2-07				0-C20443-08/24/74-11	24-11	11	7.3	95			7.3	95	12-1-6-2-6-3-3-1-2-2-2-4-2	-3																			0.44
OR-3A	5750-105	0119-2-07				0-C20444-08/24/74-12	24-12	12	7.1	75			7.1	75	15-3-4-2-6-3-3-1-2-1-2-4-3	-3																			0.44
OR-3A	5794-105	0131-2-07				0-C20445-08/24/74-12	24-12	12	7.3	70			7.3	70	16-3-4-1-4-3-3-1-2-1-2-5-3	-9																			1.38
OR-3A	6000-105	0217-2-07				0-C20446-08/24/74-14	24-14	14	7.2	70			7.2	70	15-3-4-1-4-3-3-1-2-1-3-5-3	-9																			0.10
OR-3A	6006-105	0233-2-07				0-C20447-08/24/74-14	24-14	14	7.1	72			7.1	72	16-3-4-1-4-3-3-1-2-1-3-5-3	-9																			0.74
OR-3A	7917-105	0208-2-07				0-C20449-08/27/74-12	27-12	12	7.0	50			7.0	50	10-3-4-3-6-3-3-1-2-1-3-5-2	-1																			0.33
OR-3A	7797-105	0436-2-07				0-C20450-08/27/74-14	27-14	14	5.3	70			5.3	70	22-3-4-2-4-3-3-1-2-1-3-5-2	-1																			0.10
OR-3A	8075-105	0475-2-06				0-C20454-08/14/74-13	22-13	13	7.1	230			7.1	230	3-2-4-6-8-2-3-1-2-2-3-3-1	-3																			0.52
OR-3A	6978-105	3147-2-07				0-C20455-08/24/74-10	24-10	10	5.4	500			5.4	500	9-2-5-4-6-2-2-1-2-1-2-3-1	-3																			9.48
OR-3A	6717-105	3450-2-07				0-C20458-08/24/74-11	24-11	11	5.8	525			5.8	525	15-2-4-5-8-2-2-1-2-4-3-3-1	-3																			1.57
OR-3A	6311-105	3444-2-07				0-C20460-08/24/74-12	24-12	12	7.4	575			7.4	575	12-2-4-5-8-1-2-1-2-1-2-2-1	-3																			7.02
OR-3A	6275-105	3431-2-07				0-C20461-08/24/74-12	24-12	12	7.4	550			7.4	550	15-2-4-6-8-1-2-1-2-1-2-3-1	-3																			9.60
OR-3A	5856-105	4194-2-07				0-C20462-08/24/74-13	24-13	13	7.8	700			7.8	700	13-2-4-6-4-2-2-1-2-3-2-4-1	-3																			20.00*
OR-3A	5444-105	4269-2-08				0-C20463-08/24/74-13	24-13	13	8.2	800			8.2	800	9-2-6-4-6-2-3-1-1-2-3-4-2	-3-3	2																		25.40*
OR-3A	6172-105	4451-2-07				0-C20467-08/24/74-15	24-15	15	8.0	650			8.0	650	10-1-4-5-8-3-3-1-2-1-3-4-2	-3																			16.20*
OR-3A	6428-105	4731-2-07				0-C20468-08/24/74-15	24-15	15	7.9	625			7.9	625	12-1-6-4-6-3-3-1-2-3-3-4-2	-3																			11.20*
OR-3A	5622-105	4125-2-06				0-C20470-08/24/74-15	24-15	15	7.9	850			7.9	850	7-2-4-6-8-1-3-3-1-4-3-4-2	-3																			130.00*
OR-3A	5406-105	4042-2-07				0-C20471-08/24/74-15	24-15	15	8.2	490			8.2	490	7-2-4-6-6-3-3-1-2-3-3-3-2	-3																			12.40*
OR-3A	5486-105	5500-2-07				0-C20473-08/24/74-16	24-16	16	7.7	410			7.7	410	12-2-4-6-6-2-2-1-2-4-3-3-2	-3																			0.41
OR-3A	6192-105	4933-2-06				0-C20474-08/24/74-16	24-16	16	8.0	510			8.0	510	9-2-4-6-8-2-3-1-2-1-3-3-1	-3																			0.08
OR-3A	6311-105	5944-2-06				0-C20475-08/24/74-16	24-16	16	8.2	220			8.2	220	20-2-4-5-8-2-2-1-2-1-2-3-1	-3																			0.25
OR-3A	6558-105	4494-2-07				0-C20476-08/24/74-17	24-17	17	8.3	540			8.3	540	6-2-4-6-6-1-2-2-2-4-3-3-1	-3																			4.04
OR-3A	7306-105	4431-2-07				0-C20477-08/24/74-16	24-16	16	8.2	575			8.2	575	6-2-7-4-6-3-3-1-2-1-3-4-2	-3																			3.57
OR-3A	7367-105	4400-2-07				0-C20478-08/24/74-17	24-17	17	7.8	575			7.8	575	9-2-4-5-6-3-3-1-2-1-3-4-2	-3																			6.31
OR-3A	7339-105	4417-2-07				0-C20479-08/24/74-17	24-17	17	8.0	625			8.0	625	10-2-4-6-6-2-2-1-2-1-3-4-2	-3																			0.45*
OR-3A	8783-105	4494-2-06				0-C20480-08/24/74-18	24-18	18	8.2</																										

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)	SCINTILOMETER (w, 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 (W) UNITS IN PPB
							DATE	HOUR																										
0A-3A, 9486-105, A399-2-08-	0-C20495-08/31/75-14-	14-14-2-C-	7.7-	500-	15-2-4-	-3-3-1-	-4-3-1-3-	-3-1-	2-	5-	15-	8.41																						
0A-3A, 8886-105, 7997-2-10-	0-C20496-08/31/75-14-	14-14-2-C-	8.0-	675-	9-2-6-6-1-	2-2-2-4-3-3-	-3-	-	-	-	-	6.51																						
0A-3A, 8836-105, 7951-2-06-	0-C20497-08/31/75-15-	14-14-2-C-	7.8-	700-	12-2-7-6-8-2-	2-2-4-3-3-2-	-3-	-	-	-	-	9.35																						
0A-3A, 9011-105, A375-2-10-	0-C20498-08/31/75-15-	17-21-2-C-	7.2-	445-	12-2-8-4-6-1-	2-2-4-3-3-3-	-3-	-	-	-	-	6.36																						
0A-3A, 9633-105, 9258-2-07-	0-C20502-08/31/75-16-	14-14-3-C-	6.4-	1000-	10-2-7-4-6-6-2-	1-2-4-2-2-3-	-3-	-	-	-	-	3.40*																						
0A-3A, 0372-105, 6508-2-07-	0-C20503-08/01/75-13-	12-12-2-C-	9.7-	95-	21-2-7-3-6-3-3-1-	2-2-3-6-2-	-8-	-	-	-	-	0.28																						
0A-3A, 0378-105, 7192-2-07-	0-C20504-08/01/75-15-	12-12-3-C-	8.0-	135-	16-2-7-4-6-3-3-1-	2-2-3-3-2-	-8-	-	-	-	-	0.39																						
0A-3A, 0508-105, 6950-2-07-	0-C20505-08/01/75-14-	12-12-3-C-	8.1-	85-	16-2-7-3-6-3-3-1-	2-2-3-6-2-	-8-	-	-	-	-	0.10																						
0A-3A, 1578-105, 7042-2-07-	0-C20506-08/01/75-17-	11-9-2-C-	8.2-	270-	14-2-7-5-6-2-2-1-	2-2-3-6-1-	-8-	-	-	-	-	0.74																						
0A-3A, 1544-105, 7378-2-07-	0-C20507-08/01/75-18-	12-12-2-C-	8.4-	310-	12-2-7-5-8-2-2-1-	2-2-3-6-1-	-9-	-	-	-	-	2.11																						
0A-3A, 1031-105, 6792-2-07-	0-C20508-09/02/75-11-	12-12-2-C-	7.6-	90-	12-2-7-3-6-3-3-1-	2-1-3-6-1-	-8-	-	-	-	-	0.10																						
0A-3A, 0992-105, 7239-2-07-	0-C20909-09/02/75-13-	14-10-0-C-	7.7-	85-	16-2-7-3-6-3-3-1-	2-2-3-3-1-	-3-	-	-	-	-	0.21																						
0A-3A, 5494-105, 9972-2-07-	0-C20510-08/24/75-14-	26-25-8-	7.3-	338-	25-3-7-3-7-2-2-1-	2-4-3-4-1-	-7-	-	-	-	-	0.86																						
0A-3A, 5997-105, 9358-2-06-	0-C20513-08/24/75-11-	17-7-5-C-	5.8-	393-	11-3-7-4-6-2-2-1-	2-4-6-1-	-1-	-	-	-	-	1.61																						
0A-3A, 5903-105, 9351-2-06-	0-C20514-08/25/75-11-	19-14-0-C-	5.0-	490-	17-1-6-4-6-2-2-1-	4-2-6-1-	-9-	-	-	-	-	2.13																						
0A-3A, 5872-105, 9947-2-06-	0-C20515-08/25/75-12-	23-8-3-C-	6.7-	221-	14-3-7-5-6-2-2-3-	4-3-6-1-	-3-	-	-	-	-	1.10																						
0A-3A, 6011-105, 8947-2-10-	0-C20516-08/25/75-14-	18-20-3-C-	6.0-	315-	14-3-7-5-6-2-2-4-	4-3-6-2-	-3-	-	-	-	-	1.58																						
0A-3A, 6075-105, 9354-2-07-	0-C20517-08/25/75-15-	22-18-1-C-	6.0-	351-	15-3-7-3-6-2-2-1-	2-2-3-6-2-	-1-	-	-	-	-	1.01																						
0A-3A, 6708-105, 9319-2-06-	0-C20523-08/26/75-12-	24-14-5-	6.1-	203-	4-3-7-5-6-2-2-1-	4-3-6-1-	-3-	-	-	-	-	0.36																						
0A-3A, 6611-105, 8664-2-06-	0-C20524-08/26/75-13-	20-10-8-	7.2-	450-	5-3-7-5-6-2-2-3-	4-3-6-2-	-3-	-	-	-	-	2.71																						
0A-3A, 7397-105, 8903-2-07-	0-C20527-08/26/75-15-	24-	7.4-	170-	11-3-7-3-7-2-2-1-	2-4-3-6-2-	-3-	-	-	-	-	4.22																						
0A-3A, 7150-105, 8759-2-06-	0-C20528-08/26/75-15-	22-7-0-C-	7.1-	499-	12-3-6-4-7-2-3-1-	4-3-6-2-	-3-	-	-	-	-	6.56																						
0A-3A, 6739-105, 8999-2-06-	0-C20531-08/26/75-17-	18-14-0-C-	7.3-	372-	9-3-7																													

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 (uU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (+) UNITS IN ppb
							DATE	HOUR																										
0A-38,4286-105,9075-2-07-						0-C20571-08/30/74-15-	15	0.5					5.9	110	7.3-7-2-7-3-3-1-2-1-3-5-4-	1																		1.59
0A-38,4089-105,9130-2-07-						0-C20573-08/30/74-17-	17	0.5					5.9	63	7.3-7-2-7-3-3-1-2-1-3-5-3-	1																		1.54
0A-38,4878-105,8581-2-07-						0-C20574-08/31/74-11-	11	0.5					7.3	1100	12-1-4-3-6-3-3-4-2-1-2-5-1-	1																		6.28
0A-38,4664-105,8400-2-07-						0-C20575-08/31/74-12-	12	0.5					7.4	1115	5-1-4-3-6-3-3-4-2-1-2-5-1-	1																		7.50
0A-38,5139-105,7489-2-06-						0-C20581-08/31/74-14-	14	0.2					6.4	215	10-3-4-5-6-2-2-1-2-1-3-5-4-	3																		2.77
0A-38,5139-105,7453-2-07-						0-C20582-08/31/74-15-	15	0.1					7.4	470	10-3-4-5-6-2-2-1-2-1-3-5-4-	3																		1.64
0A-38,2950-105,7592-2-07-						0-C20583-08/31/74-16-	16	0.7					7.1	400	17-3-7-2-7-3-3-1-2-1-3-5-3-	1																		1.35
0A-38,3144-105,7542-2-07-						0-C20584-08/31/74-17-	17	0.0					7.1	490	10-3-4-3-6-3-3-1-2-2-3-5-3-	1																		1.66
0A-38,3144-105,7557-2-07-						0-C20585-08/31/74-17-	17	0.1					7.4	600	9-3-4-3-6-2-2-1-2-1-3-5-3-	1																		0.66
0A-38,3283-105,8184-2-07-						0-C20586-08/31/74-17-	17	0.1					7.2	345	7-3-6-2-6-3-3-1-2-2-3-5-2-	1																		1.66
0A-38,3297-105,8256-2-07-						0-C20587-08/31/74-18-	18	0.0					7.1	240	12-3-4-2-6-3-3-1-2-1-3-5-3-	1																		1.61
0A-38,3317-105,8217-2-07-						0-C20588-08/31/74-18-	18	0.0					7.2	270	7-3-7-2-7-1-3-1-2-2-3-5-3-	1																		0.51
0A-38,3408-105,7894-2-07-						0-C20589-08/31/74-18-	18	0.0					7.2	340	7-3-7-2-7-1-3-1-2-2-3-5-3-	3																		1.20
0A-38,4247-105,8130-2-10-						0-C20592-08/31/74-19-	19	0.0					7.2	525	7-4-5-6-2-2-2-4-3-4-3-	3																		2.66
0A-38,4175-105,8257-2-10-						0-C20593-08/31/74-20-	20	0.1					7.2	490	8-4-6-6-2-2-2-2-2-4-3-1-	1																		1.69
0A-38,3889-105,8394-2-07-						0-C20594-08/31/74-19-	19	0.1					7.2	450	6-3-7-2-7-2-3-1-2-2-4-3-4-3-	3																		3.86
0A-38,4317-105,8333-2-07-						0-C20595-08/31/74-20-	20	0.2					7.2	243	8-3-7-2-7-3-3-1-2-1-2-4-3-1-	1																		0.73
0A-38,5081-105,8522-2-07-						0-C20597-09/01/74-16-	16	0.2					7.4	1100	8-1-4-3-6-3-2-2-2-3-2-5-2-	1																		4.32
0A-38,5292-105,8431-2-07-						0-C20598-09/01/74-15-	15	0.0					6.9	1095	9-1-4-3-6-3-2-2-2-4-2-5-2-	1																		0.49
0A-38,5478-105,8438-2-07-						0-C20599-09/01/74-16-	16	0.0					6.9	1094	10-1-4-2-6-3-2-2-2-1-2-5-2-	1																		0.61
0A-38,5569-105,8438-2-07-						0-C20600-09/01/74-17-	17	0.0					7.1	980	7-1-4-2-6-2-2-1-2-1-2-5-2-	1																		6.79
0A-38,9961-105,7483-2-10-						0-C20601-09/01/74-9-	9	0.0					9.8	1200	12-2-7-6-8-1-2-2-2-4-2-2-1-	0																		13.40*
0A-38,8408-105,7997-2-06-						0-C20603-09/01/74-10-	10	0.0					7.9	600	6-4-4-6-8-2-2-1-1-4-3-2-1-	3																		3.57
0A-38,8083-105,7461-2-06-						0-C20604-09/02/74-9-	9	0.0					7.7	625	12-1-7-6-8-1-2-2-2-4-3-3-1-	3																		5.43
0A-38,8392-105,8151-2-07-						0-C20605-09/02/74-9-	9	0.0					9.4	550	10-2-6-4-6-3-2-1-2-4-2-3-1-	3																		4.77
0A-38,8364-105,8236-2-10-						0-C20606-09/02/74-10-	10	0.0					9.4	625	0-6-5-8-1-2-2-4-3-3-1-	3																		11.40*
0A-38,8614-105,9064-2-06-						0-C20610-09/02/74-11-	11	0.0					6.9	500	10-3-7-5-6-2-2-1-2-4-3-3-1-	9																		1.69
0A-38,8836-105,9056-2-07-						0-C20611-09/02/74-11-	11	0.0					7.5	1050	10-3-7-4-6-2-2-1-2-4-3-2-1-	1																		1.78
0A-38,8428-105,9839-2-07-						0-C20613-09/02/74-11-	11	0.0					7.2	525	10-3-6-4-6-2-2-1-2-4-3-3-1-	1																		16.10*
0A-38,8033-105,9493-2-07-						0-C20615-09/02/74-12-	12	0.0					7.4	460	12-3-6-4-6-2-2-2-3-3-3-1-	3																		2.81
0A-38,8075-105,9369-2-06-						0-C20616-09/02/74-12-	12	0.0					7.4	230	9-2-4-6-8-2-2-2-3-2-4-2-1-	3																		4.08
0A-38,8172-105,9550-2-06-						0-C20617-09/02/74-14-	14	0.0					5.8	270	9-2-7-5-6-2-2-3-1-2-1-3-4-1-	3																		26.90*
0A-38,7861-105,9731-2-06-						0-C20618-09/02/74-15-	15	0.0					7.1	245	10-2-7-4-6-2-2-3-1-2-1-2-4-1-	1																		3.19
0A-38,7600-105,9447-2-06-						0-C20619-09/02/74-15-	15	0.0					6.9	595	9-1-4-6-8-2-2-3-1-2-1-3-3-1-	3																		3.04
0A-38,7903-105,9056-2-06-						0-C20620-09/02/74-16-	16	0.0					7.0	350	9-2-6-4-8-2-2-2-1-2-4-3-3-1-	1																		4.57
0A-38,7664-105,9881-2-06-						0-C20621-09/02/74-17-	17	0.0					7.3	310	13-2-4-6-8-2-2-1-2-1-3-3-1-	1																		0.61
0A-38,8431-105,9097-2-09-						0-C20622-09/02/74-18-	18	0.0					7.4	600	15-2-7-6-8-1-2-2-2-1-2-3-1-	3																		1.74
0A-38,8717-105,9406-2-06-						0-C20623-09/02/74-18-	18	0.0					7.8	500	10-2-2-6-8-2-2-1-2-4-3-2-1-	1																		6.15
0A-38,9972-105,9461-2-07-						0-C20624-09/03/74-11-	11	0.0					7.4	550	7-3-6-3-6-3-3-1-2-4-4-1-1-	3																		2.53
0A-38,8128-105,6153-2-07-						0-C20625-09/03/74-12-	12	0.0					7.8	475	7-3-7-4-6-2-2-1-2-4-3-2-1-	3																		6.88
0A-38,8108-105,6181-2-07-						0-C20626-09/03/74-12-	12	0.0					7.9	340	9-3-7-4-6-2-2-1-2-4-3-2-1-	3																		2.89
0A-38,6483-105,4059-2-10-						0-C20627-09/03/74-13-	13	0.0					9.4	340	12-1-6-6-8-1-2-2-1-4-3-3-1-	1																		0.52
0A-38,7133-105,7814-2-07-						0-C20629-09/03/74-14-	14	0.0					7.8	500	10-1-4-6-8-2-2-1-2-1-3-5-1-	3																		5.82
0A-38,1453-105,3483-2-07-						0-C20634-10/23/74-13-	13	0.0					7.4	940	6-2-4-5-8-2-2-1-2-4-3-3-1-	3																		

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

[illegible]

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 (µmho/cm)	SCINTILLOMETER (αU, 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 (X) UNITS IN PPB
							DATE	HOUR																										
OR-3A	5806-104	5630-2-10				0-C20747-09/03/77-12	27-03-8		7.7	105				9.4	-5-A	-2-4	-4-2-2-1	-1-															0.79	
OR-3A	6378-104	5454-2-08				0-C20749-09/10/77-17	27-17-2		9.7	790				9.4	-	-	-1-	-4-1-1-2	-1-3														0.61	
OR-3A	6817-104	1111-2-08				0-C20753-09/21/77-11	27-11-8		7.6	500				22.4	-	-	-1-	-2-2-	-4-														0.53	
OR-3A	6811-104	0111-2-08				0-C20754-09/21/77-12	27-12-1		7.6	590				4.4	-	-	-1-	-4-3-2-2	-1-1														0.21	
OR-3A	6961-104	0444-2-08				0-C20755-09/21/77-12	27-12-9		7.6	540				9.4	-	-	-1-	-4-2-2-2	-1-														1.06	
OR-3A	7278-104	1099-2-08				0-C20757-09/21/77-14	27-14-6		7.2	420				18.4	-	-	-1-	-4-2-2-2	-1-1														0.99	
OR-3A	7328-104	0554-2-09				0-C20758-09/21/77-15	27-15-1		9.7	200				22.4	-5-6	-3	-4-2-2-1	-															0.64	
OR-3A	6489-104	3472-2-08				0-C20759-09/29/77-9	27-09-5		8.6	950				11.4	-	-	-1-	-4-2-2-1	-1-1														0.65	
OR-3A	7083-104	3557-2-08				0-C20760-09/29/77-11	27-11-3		5.8	750				6.4	-	-	-1-	-4-1-1-1	-1-1														1.61	
OR-3A	6925-104	2733-2-08				0-C20761-09/29/77-11	27-11-1		6.9	590				6.4	-	-	-1-	-2-2-2-1	-1-														0.64	
OR-3A	6739-104	2772-2-08				0-C20762-09/29/77-12	28-12-4		7.9	710				9.4	-	-	-1-	-4-1-2-2	-1-1														1.64	
OR-3A	6589-104	2854-2-08				0-C20764-09/29/77-12	28-12-2		7.6	2090				13.4	-	-	-1-	-4-1-2-2	-1-1														5.46	
OR-3A	7119-104	2704-2-08				0-C20766-09/29/77-13	30-13-0		9.3	1190				6.4	-	-	-1-	-4-1-2-2	-1-3														2.62	
OR-3A	7361-104	2817-2-08				0-C20769-09/29/77-14	31-17-7		7.8	620				6.4	-	-	-1-	-4-1-2-2	-1-3														0.56	
OR-3A	6294-104	3430-2-08				0-C20771-09/29/77-15	31-21-6		8.1	620				11.4	-	-	-1-	-4-2-1-2	-1-1														0.63	
OR-3A	6761-104	3878-2-08				0-C20772-09/29/77-15	32-17-9		8.2	1140				11.4	-	-	-1-	-4-1-2-2	-1-1														2.75	
OR-3A	9139-104	0356-2-08				0-C20777-09/05/77-9	20-09-0		6.5	200				13.1	-4-1	-	-1-	-4-4-1-3	-1-3	4	60	30											2.13	
OR-3A	9592-104	0344-2-06				0-C20778-09/05/77-11	27-11-0		5.9	235				6.1	-4-1	-2-5	-4-4-2-1	-3-															0.37	
OR-3A	9367-104	0049-2-06				0-C20779-09/05/77-11	27-11-0		5.6	500				13.1	-1-4-6	-3-5	-4-4-2-1	-3-															0.61	
OR-3A	9294-104	0704-2-06				0-C20780-09/05/77-12	28-12-0		7.3	230				20.1	-1-4-1	-3-5	-4-4-2-1	-3-															0.44	
OR-3A	9575-104	0454-2-07				0-C20781-09/05/77-13	28-13-0		8.1	200				13.1	-1-4-1	-2-1	-2-4-4-2-1	-3-															0.65	
OR-3A	9031-104	0136-2-06				0-C20782-09/05/77-13	28-13-0		7.2	345				20.1	-1-4-1	-2-5	-2-4-4-1-1	-3-															0.72	
OR-3A	8878-104	0822-2-08				0-C20783-09/05/77-14	28-14-0		7.5	335				13.1	-1-4-1	-	-1-	-4-4-1-1	-1-3	4	12	98											1.75	
OR-3A	9058-104	0451-2-08				0-C20784-09/05/77-14	28-14-0		5.6	420				13.1	-1-4-1	-	-1-	-4-4-1-1	-1-1	6													0.44	
OR-3A	9308-104	0783-2-08				0-C20785-09/05/77-15	28-15-0		4.9	190				6.1	-1-4-1	-	-1-	-4-4-1-1	-1-1														0.60	
OR-3A	9817-104	1094-2-08				0-C20787-09/05/77-15	28-15-0		7.6	240				20.1	-1-4-1	-	-1-	-4-4-1-1	-1-3														0.59	
OR-3A	9736-104	0442-2-06				0-C20788-09/05/77-16	29-16-0		6.4	390				13.1	-1-4-1	-2-5	-4-4-1-1	-3-															0.27	
OR-3A	6878-104	6436-2-08				0-C20791-09/06/77-10	27-10-0		5.8	2500				27.1	-	-4-1	-	-1-	-4-4-1-1	-1-3	4	60											11.70	
OR-3A	7194-104	6411-2-08				0-C20794-09/07/77-8	24-08-0		5.0	1500				13.1	-	-4-5	-	-1-	-4-4-1-1	-1-5	6	24											13.15	
OR-3A	6967-104	6728-2-08				0-C20795-09/07/77-9	24-09-0		5.5	1800				27.1	-	-4-5	-	-1-	-4-4-1-1	-1-3	6	20											16.15	
OR-3A	6750-104	4844-2-08				0-C20796-09/07/77-9	27-09-0		6.1	1500				13.1	-	-4-5	-	-1-	-4-4-1-1	-1-3	6	60	30										6.78	
OR-3A	6575-104	6757-2-08				0-C20797-09/07/77-10	29-10-0		5.0	2000				13.1	-	-4-5	-	-1-	-4-4-1-1	-1-5													5.65	
OR-3A	6397-104	6400-2-08				0-C20798-09/07/77-11	28-11-0		7.8	1100				13.1	-	-5-5-2-2	-1-2-4-4-1-1	-3-															2.51	
OR-3A	5944-104	6431-2-08				0-C20800-09/14/77-9	27-14-0		5.9	1400				20.1	-	-4-1	-	-1-	-4-3-1-3	-1-5	6												1.69	
OR-3A	5811-104	4411-2-08				0-C20801-09/15/77-9	28-15-0		5.9	1600				20.1	-	-4-1-2-2	-1-6-4-1-2	-1-5	6														5.02	
OR-3A	5389-104	4844-2-08				0-C20802-09/15/77-10	27-10-0		5.8	900				13.1	-	-4-1	-	-1-	-4-3-1-2	-1-3														5.00
OR-3A	5444-104	5528-2-08				0-C20803-09/15/77-10	28-10-0		7.3	300				20.1	-7-6-7-1	-2-5-2-4-2-1-2	-3-																1.05	
OR-3A	5436-104	5444-2-08				0-C20804-09/15/77-11	29-15-0		5.9	300				6.1	-7-5-7-1	-2-5-2-4-3-1-2	-3-																0.75	
OR-3A	6083-104	5403-2-08				0-C20807-09/16/77-9	27-09-0		5.3	600				20.1	-6-4-1	-	-1-	-4-3-1-3	-1-3														3.51	
OR-3A	7378-104	1417-2-08				0-C20810-09/17/77-8	21-08-0		4.9	700				20.1	-1-4-1	-	-1-	-4-3-1-2	-1-3	6	10												0.30	
OR-3A	6928-104	2792-2-08				0-C20811-09/17/77-9	21-09-0		5.5	1500				13.1	-1-4-1	-	-1-	-4-3-1-2	-1-3	6	30	290											1.44	
OR-3A	6839-104	2883-2-08				0-C20813-09/17/77-10	22-10-0		4.7	900				13.1	-1-4-1	-	-1-	-4-3-1-2	-1-3	4	30	195												0.66
OR-3A	6378-104	2428-2-08				0-C20814-09/17/77-10	26-10-0		5.8	700				6.1	-1-4-1	-	-1-	-4-3-1-2	-1-3														0.53	
OR-3A	6939-104	2000-0																																

[illegible]

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																				U CONCENTRATION							
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REFPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILOMETER (eu, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER VOLUME	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (+) UNITS IN ppb
							DATE	HOUR																									
0A-38	4500-104	A222-2-10-				0-C20920-08/09/77-12-	35-	2A-1-C-	-	5.6-	700-				11-1-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.48	
0A-38	4228-104	Q072-2-08-				0-C20924-08/09/77-15-	31-	2A-3-C-	-	5.9-	500-				17-1-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65
0A-38	4194-104	A422-2-08-				0-C20925-08/09/77-15-	36-	2A-2-C-	-	5.7-	900-				28-1-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17
0A-38	5344-104	A011-2-08-				0-C20934-08/11/77-13-	21-	1A-1-C-	-	6.2-	Δ200-				17-1-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	118.50*
0A-38	8189-104	A056-2-07-				0-C20935-08/19/77-9-	19-	1A-0-C-	-	6.1-	155-				11-1-6-3-4-2-3-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11
0A-38	7861-104	Q139-2-07-				0-C20936-08/19/77-9-	19-	1A-5-C-	-	5.9-	60-				A9-3-4-3-4-3-3-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
0A-38	7850-104	Q054-2-07-				0-C20937-08/19/77-9-	21-	1A-0-C-	-	5.8-	50-				A7-3-7-4-4-3-3-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
0A-38	8094-104	Q044-2-07-				0-C20938-08/19/77-10-	19-	1A-0-C-	-	5.8-	73-				A9-3-4-4-4-3-3-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04
0A-38	7375-104	Q439-2-06-				0-C20940-08/20/77-11-	19-	1A-5-C-	-	6.5-	50-				A6-3-4-3-4-2-2-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03
0A-38	7417-104	Q050-2-07-				0-C20941-08/20/77-11-	20-	1A-0-C-	-	8.5-	49-				A2-3-4-4-4-3-2-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
0A-38	7356-104	Q051-2-07-				0-C20942-08/20/77-11-	1A-	0-A-C-	-	8.1-	49-				A1-3-4-4-4-3-2-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
0A-38	7133-104	Q090-2-06-				0-C20943-08/20/77-14-	10-	1A-0-C-	-	7.6-	800-				A4-3-4-4-4-2-4-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17
0A-38	7272-104	Q094-2-06-				0-C20944-08/20/77-15-	1A-	1A-0-C-	-	10.0-	11000-				A9-3-4-4-4-2-3-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.00*
0A-38	7128-104	Q078-2-07-				0-C20945-08/20/77-16-	21-	1A-0-C-	-	7.1-	60-				A4-3-4-3-4-3-2-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
0A-38	6706-104	Q194-2-07-				0-C20946-08/21/77-11-	22-	1A-0-C-	-	5.5-	151-				A7-3-4-4-4-3-2-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05
0A-38	8483-104	A272-2-08-				0-C20947-08/22/77-9-	27-	1A-0-C-	-	6.8-	2150-				A8-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.45
0A-38	8164-104	2578-2-08-				0-C20948-08/22/77-10-	2A-	1A-0-C-	-	6.9-	500-				20-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.08
0A-38	7956-104	2333-2-08-				0-C20949-08/22/77-11-	2A-	1A-0-C-	-	6.8-	800-				27-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05
0A-38	8583-104	3244-2-06-				0-C20950-08/22/77-12-	2A-	2A-0-C-	-	8.6-	550-				A-1-6-4-6-1-3-5-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02
0A-38	8689-104	3139-2-06-				0-C20951-08/22/77-12-	2A-	1A-0-C-	-	7.1-	750-				11-1-6-4-6-1-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39
0A-38	8628-104	3011-2-06-				0-C20953-08/22/77-13-	27-	2A-0-C-	-	7.6-	600-				13-1-6-4-6-1-3-5-2-4-3-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.06
0A-38	8644-104	3194-2-08-				0-C20954-08/22/77-13-	29-	1A-0-C-	-	7.8-	600-				13-1-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05
0A-38	8267-104	2578-2-08-				0-C20957-08/23/77-10-	2A-	1A-0-C-	-	6.4-	2000-				13-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.08
0A-38	8964-104	3156-2-08-				0-C20958-08/23/77-11-	2A-	1A-0-C-	-	8.5-	360-				13-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17
0A-38	8611-104	3554-2-08-				0-C20961-08/23/77-13-	2A-	2A-0-C-	-	8.0-	341-				13-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31
0A-38	8250-104	2278-2-06-				0-C20962-08/23/77-13-	32-	2A-2-C-	-	8.1-	1000-				13-1-1-4-1-1-3-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.28
0A-38	7883-104	2228-2-08-				0-C20963-08/23/77-14-	32-	1A-0-C-	-	5.4-	440-				20-1-1-4-1-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17
0A-38	7703-104	2154-2-08-				0-C20964-08/23/77-14-	30-	1A-0-C-	-	10.0-	800-				20-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.08
0A-38	8064-104	1600-2-06-				0-C20966-08/23/77-15-	32-	2A-0-C-	-	7.0-	300-				13-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
0A-38	8244-104	9722-2-07-				0-C20968-08/25/77-11-	20-	1A-5-C-	-	10.0-	40-				A1-3-4-4-4-3-3-1-2-1-4-5-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01
0A-38	8547-104	6453-2-08-				0-C20969-07/07/77-15-	27-	2A-0-C-	-	5.4-	490-				11-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.02
0A-38	8617-104	6411-2-07-				0-C20970-07/07/77-16-	29-	2A-5-C-	-	6.7-	750-				13-1-1-4-1-1-2-1-2-4-3-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.03
0A-38	8567-104	8364-2-07-				0-C20972-07/08/77-9-	1A-	1A-0-C-	-	7.4-	490-				16-1-6-5-6-3-4-3-2-2-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50
0A-38	8206-104	8472-2-07-				0-C20973-07/08/77-9-	19-	1A-0-C-	-	7.4-	500-				22-1-6-4-6-3-3-i-2-2-3-3-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.09
0A-38	7811-104	8250-2-07-				0-C20975-07/08/77-12-	2A-	1A-5-C-	-	7.6-	235-				17-1-6-4-6-2-3-3-2-3-3-3-i-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43
0A-38	7878-104	7994-2-07-				0-C20976-07/08/77-13-	27-	2A-6-C-	-	7.5-	1000-				23-1-6-5-6-2-2-i-2-4-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.74
0A-38	8106-104	7933-2-07-				0-C20977-07/08/77-14-	27-	2A-5-C-	-	7.9-	550-				57-1-1-4-1-1-3-2-1-2-2-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.03
0A-38	9228-104	8451-2-06-				0-C20980-07/09/77-13-	23-	1A-5-C-	-	7.1-	120-				A4-3-4-4-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05
0A-38	9761-104	7978-2-07-				0-C20982-07/09/77-15-	2A-	2A-9-C-	-	5.9-	390-				28-1-6-4-1-1-1-6-2-2-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12
0A-38	9861-104	7964-2-08-				0-C20983-07/09/77-17-	21-	1A-6-C-	-	7.1-	160-				11-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.55
0A-38	9689-104	7734-2-08-				0-C20984-07/10/77-10-	27-	1A-0-C-	-	6.8-	180-				23-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39
0A-38	9728-104	7578-2-06-				0-C20985-07/10/77-12-	29-	2A-1-	-	6.9-	150-				17-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17
0A-38	9822-104	7293-2-08-				0-C20986-07/10/77-12-	29-	1A-8-C-	-	7.1-	225-				23-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.55
0A-38	9633-104	7108-2-06-				0-C20992-07/12/77-10-	2A-	2A-1-	-	7.0-	90-				28-1-1-4-1-1-1-1-2-2-4-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00
0A-38	9744-104	6497-2-07-				0-C20993-07/12/77-11-	28-	2A-3-	-	5.5-	285-				A4-1-1-5-6-1-1-1-2-2-4-4-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43
0A-38	9761-104	6499-2-08-				0-C20994-07/12/77-12-	20-	2A-9-C-	-	6.8-	150-				A4-1-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67
0A-38	9656-104	6539-2-08-				0-C20995-07/12/77-12-	2A-	1A-0-C-	-	5.9-	150-				23-1-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58
0A-38	9900-104	6422-2-08-				0-C20996-07/12/77-14-	20-	1A-9-	-	7.0-	70-				A4-1-7-4-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.46
0A-38	9778-104	6057-2-06-				0-C20997-07/12/77-15-	31-	2A-8-	-	7.0-	80-				A4-1-7-4-7-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.75
0A-38	9417-104	6406-2-08-				0-C20999-07/12/77-16-	34-	1A-1-	-	7.0-	130-				23-1-6-5-6-																		

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 (nCi/ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERS/SHIP	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																											
0A-3A, 8119-104, 6553-2-08-						0-C21003-07/13/77-11-	30-21.0-C-		5.6	600-				11-1-7-5-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.51		
0A-3A, 7994-104, 6331-2-08-						0-C21004-07/13/77-12-	30-21.0-C-		6.8	800-				11-1-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.43		
0A-3A, 8175-104, 6250-2-08-						0-C21005-07/13/77-12-	30-22.0-C-		6.9	730-				11-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.02		
0A-3A, 8433-104, 6250-2-08-						0-C21006-07/13/77-	30-20.6-C-		7.8	30-				11-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.42		
0A-3A, 7800-104, 6508-2-08-						0-C21008-07/13/77-14-	30-21.2-C-		5.7	700-				23-1-4-5-6-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.94		
0A-3A, 8956-104, 6472-2-08-						0-C21011-07/13/77-16-	26-14.5-C-		7.0	675-				24-1-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.39		
0A-3A, 8767-104, 7193-2-08-						0-C21013-07/14/77-10-	26-19.8-C-		7.3	330-				17-1-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67		
0A-3A, 9389-104, 7078-2-08-						0-C21015-07/14/77-	33-10.8-C-		5.7	550-				18-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.42		
0A-3A, 9658-104, 5333-2-08-						0-C21017-07/14/77-	32-17.2-		7.2	205-				23-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
0A-3A, 9833-104, 5331-2-08-						0-C21019-07/14/77-15-	31-10.8-C-		5.9	230-				23-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.31		
0A-3A, 9889-104, 8484-2-07-						0-C21021-07/22/77-11-	23-20.5-		7.1	190-				23-1-1-4-7-2-2-3-2-1-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06		
0A-3A, 9167-104, 9828-2-08-						0-C21024-07/22/77-15-	22-18.4-C-		6.8	260-				24-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.59		
0A-3A, 8950-104, 9791-2-07-						0-C21025-07/22/77-16-	19-18.5-		7.2	50-				20-3-4-4-4-3-3-1-2-1-4-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50		
0A-3A, 8778-104, 9220-2-07-						0-C21027-07/22/77-16-	24-21.2-C-		7.5	320-				23-3-4-4-4-2-5-1-2-3-3-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.54		
0A-3A, 9078-104, 6094-2-08-						0-C21029-07/23/77-9-	22-21.6-		5.8	170-				23-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31	
0A-3A, 9125-104, 5750-2-06-						0-C21031-07/23/77-10-	24-20.1-		7.2	110-				17-1-4-4-6-3-2-4-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38	
0A-3A, 8831-104, 9428-2-07-						0-C21032-07/23/77-10-	24-24.4-C-			215-				11-1-1-4-1-2-2-2-2-4-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.48		
0A-3A, 8969-104, 5028-2-08-						0-C21033-07/23/77-11-	27-21.2-		5.4	280-				11-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.61	
0A-3A, 8994-104, 4783-2-08-						0-C21034-07/23/77-11-	27-22.8-C-		6.8	310-				17-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38	
0A-3A, 8539-104, 4317-2-08-						0-C21036-07/23/77-12-	31-22.8-C-		5.6	200-				23-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	
0A-3A, 8533-104, 3951-2-08-						0-C21037-07/23/77-12-	30-16.9-		5.6	245-				28-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.52	
0A-3A, 8853-104, 4196-2-08-						0-C21039-07/23/77-14-	28-10.1-C-		5.8	220-				23-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.46	
0A-3A, 9094-104, 4144-2-08-						0-C21040-07/23/77-14-	28-21.8-		6.8	220-				17-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.53	
0A-3A, 9333-104, 3853-2-08-						0-C21041-07/23/77-	20-15.7-C-		5.6	330-				23-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.47	
0A-3A, 9872-104, 4022-2-08-						0-C21044-07/23/77-16-	28-18.8-C-		5.6	390-				23-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.92	
0A-3A, 9717-104, 4603-2-08-						0-C21049-07/23/77-16-	28-22.4-		6.6	220-				28-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	
0A-3A, 9756-104, 4493-2-06-						0-C21046-07/23/77-16-	26-31.8-		6.6	420-				24-1-4-4-1-2-3-2-4-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.47		
0A-3A, 9489-104, 4591-2-06-						0-C21048-07/23/77-17-	28-24.4-		5.8	310-				28-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50	
0A-3A, 9383-104, 9499-2-07-						0-C21049-07/24/77-13-	28-14.5-C-		7.6	70-				28-3-7-4-6-3-2-1-2-1-3-5-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50		
0A-3A, 9300-104, 9417-2-07-						0-C21050-07/24/77-13-	21-11.2-		5.8	90-				3-7-4-6-3-3-1-2-1-4-5-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.01		
0A-3A, 9906-104, 9331-2-07-						0-C21051-07/24/77-15-	18-10.8-		4.8	50-				44-3-7-3-6-3-3-1-2-1-4-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65		
0A-3A, 9756-104, 9894-2-07-						0-C21052-07/24/77-	19-8.9-C-		5.2	120-				23-3-7-4-6-4-2-1-2-1-4-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20		
0A-3A, 9828-104, 9906-2-07-						0-C21053-07/25/77-12-	13-10.5-C-		6.8	90-				29-3-4-4-4-3-3-1-2-1-4-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15		
0A-3A, 8411-104, 9056-2-07-						0-C21054-07/25/77-14-	20-13.5-C-		6.9	600-				17-3-4-4-4-4-5-4-2-1-4-5-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47		
0A-3A, 8800-104, 6056-2-08-						0-C21055-07/26/77-10-	19-21.2-		5.6	550-				2-1-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31	
0A-3A, 9106-104, 5486-2-08-						0-C21056-07/26/77-11-	22-16.9-C-		7.2	300-				23-1-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.33	
0A-3A, 9278-104, 5336-2-08-						0-C21057-07/26/77-11-	22-10.8-C-		7.0	220-				23-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.79	
0A-3A, 9333-104, 4422-2-06-						0-C21060-07/26/77-12-	25-23.1-		7.4	550-				17-1-4-6-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
0A-3A, 9144-104, 4906-2-06-						0-C21061-07/26/77-12-	24-25.0-C-		6.0	500-				17-1-4-6-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.90	
0A-3A, 8161-104, 4578-2-08-						0-C21062-07/26/77-14-	28-20.5-		6.6	400-				17-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.04	
0A-3A, 7789-104, 4851-2-08-						0-C21063-07/26/77-15-	28-27.0-C-		7.4	250-				11-1-4-6-	-	-	-	-	-	-	-	-	-												

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)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (+) UNITS IN ppb
							DATE	HOUR																										
0A-3A,1483-104,900A-2-08-						0-C21092-07/12/77-14-			34-23.6-				6.5-	1520-	4-4-																		0.16	
0A-3A,1617-104,9600-2-08-						0-C21097-07/12/77-17-			34-24.0-				7.4-	1320-	4-1-1-																		2.19	
0A-3A,0239-104,907A-2-08-						0-C21098-07/12/77-11-			34-25.5-C-				5.9-	710-	4-1-1-																		3.04	
0A-3A,0094-104,788A-2-07-						0-C21100-07/13/77-14-			34-24.5-				7.8-	960-	1-1-1-3-6-2-2-2-2-4-2-3-2-																	4.25		
0A-3A,0667-104,7747-2-07-						0-C21103-07/13/77-16-			34-24.9-				7.9-	4790-	24-1-1-5-6-1-2-3-2-4-2-3-2-																	13.40		
0A-3A,0700-104,9A97-2-08-						0-C21107-07/14/77-13-			32-23.4-				7.3-	1400-	4-4-																		15.10	
0A-3A,2344-104,982A-2-07-						0-C21116-07/22/77-10-			27-24.2-				8.0-	710-	1-1-1-4-4-3-5-4-2-4-3-3-3-																	3.47		
0A-3A,0772-104,8200-2-08-						0-C21119-07/23/77-12-			28-24.4-C-				7.3-	1350-	0-1-1-																		0.95	
0A-3A,0769-104,9204-2-06-						0-C21120-07/23/77-12-			28-24.4-C-				6.7-	4620-	0-1-1-																		19.25	
0A-3A,0761-104,9822-2-08-						0-C21123-07/23/77-16-			31-24.6-				7.3-	870-	0-1-1-																		0.19	
0A-3A,0431-104,6594-2-08-						0-C21125-07/23/77-17-			30-24.2-				7.1-	900-	0-1-1-																		0.40	
0A-3A,4628-104,6117-2-06-						0-C21130-07/24/77-13-			31-24.4-C-				7.4-	640-	9-4-																		1.57	
0A-3A,4706-104,9139-2-06-						0-C21131-07/24/77-14-			34-24.0-C-				9.0-	840-	4-4-																		8.31	
0A-3A,4389-104,5794-2-07-						0-C21132-07/24/77-15-			31-24.9-				9.0-	619-	1-1-4-																		1.57	
0A-3A,3317-104,5497-2-06-						0-C21139-07/24/77-16-			30-24.8-				7.1-	475-	13-1-1-																		7.20	
0A-3A,2622-104,8159-2-06-						0-C21142-07/25/77-16-			29-22.0-				8.2-	1310-	0-1-1-																		5.30	
0A-3A,3044-104,7425-2-07-						0-C21151-07/26/77-11-			27-26.3-C-				7.4-	13500-	6-1-1-6-4-2-7-3-2-4-3-2-3-																	123.30*		
0A-3A,0650-104,9231-2-08-						0-C21161-08/04/77-10-			28-22.9-				6.8-	1090-	9-1-1-																		1.57	
0A-3A,1183-104,5472-2-08-						0-C21164-08/04/77-11-			34-19.4-				7.1-	2600-	9-1-1-																		8.71	
0A-3A,1733-104,5A33-2-07-						0-C21166-08/04/77-12-			34-27.2-C-				7.3-	10000-	6-1-1-7-6-6-2-3-3-2-4-2-2-2-																	243.50*		
0A-3A,1444-104,5419-2-08-						0-C21168-08/04/77-12-			32-24.8-C-				7.6-	990-	9-4-																		0.50	
0A-3A,1394-104,5419-2-10-						0-C21169-08/04/77-13-			34-24.5-				9.0-	210-	9-4-																		1.16	
0A-3A,1672-104,5122-2-10-						0-C21170-08/04/77-13-			34-26.6-				9.1-	180-	18-4-																		0.06	
0A-3A,1475-104,5450-2-10-						0-C21177-08/05/77-11-			27-				8.0-	2890-	4-4-																		74.40	
0A-3A,2261-104,4447-2-07-						0-C21178-08/05/77-11-			30-24.3-C-				7.8-	2750-	9-4-																		14.45	
0A-3A,2283-104,3728-2-08-						0-C21179-08/05/77-15-			0-13.8-				7.6-	2690-	22-4-																		19.10	
0A-3A,2222-104,3483-2-08-						0-C21180-08/05/77-16-			25-15.7-				7.4-	2360-	15-4-																		18.00	
0A-3A,2089-104,3256-2-08-						0-C21181-08/05/77-16-			21-24.6-				7.1-	2090-	11-4-																		20.65	
0A-3A,2250-104,2922-2-08-						0-C21182-08/05/77-17-			20-22.7-				7.2-	1190-	4-																		15.10	
0A-3A,2061-104,2574-2-08-						0-C21183-08/05/77-17-			31-19.1-				7.2-	1300-	4-4-																		10.00	
0A-3A,1906-104,7222-2-08-						0-C21184-08/05/77-18-			32-18.2-C-				6.6-	80000-	4-																		5.10*	
0A-3A,0972-104,5483-2-08-						0-C21185-08/06/77-8-			19-15.8-				9.1-	1390-	4-4-																		1.20	
0A-3A,0878-104,9006-2-08-						0-C21187-08/06/77-9-			22-21.3-C-				7.8-	80000-	9-4-																		4.72	
0A-3A,0983-104,5500-2-08-						0-C21188-08/06/77-			22-22.1-C-				7.6-	1120-	9-4-																		0.66	
0A-3A,0322-104,4094-2-08-						0-C21194-08/06/77-10-			30-24.0-C-				7.7-	1420-	9-1-1-																		1.07	
0A-3A,0428-104,5361-2-08-						0-C21196-08/06/77-			31-24.8-C-				7.5-	1390-	1-1-1-																		1.14	
0A-3A,0133-104,4406-2-08-						0-C21200-08/06/77-13-			35-20.2-C-				9.0-	610-	4-1-1-																		0.33	
0A-3A,1839-104,1984-2-08-						0-C21207-08/07/77-13-			42-25.8-				7.3-	50000-	4-4-																		175.50*	
0A-3A,1900-104,2356-2-10-						0-C21209-08/06/77-14-			38-12.9-				7.5-	1820-	6-4-																		6.15	
0A-3A,1739-104,1117-2-08-						0-C21210-08/07/77-15-			32-21.4-				7.4-	1010-	9-4-																		6.12	
0A-3A,2761-104,4383-2-08-						0-C21212-08/09/77-11-			18.8-				7.1-	50000-	13-4-																		26.65	
0A-3A,2178-104,7433-2-07-						0-C21215-08/09/77-16-			32-25.0-				7.8-	4650-	13-1-1-																		84.00*	
0A-3A,2094-104,7411-2-07-						0-C21216-08/09/77-17-			34-26.4-				9.3-	1710-	4-1-1-4-7-3-4-1-2-2-2-3-3-																	4.56		
0A-3A,2000-104,7483-2-08-						0-C21217-08/09/77-18-			22-18.5-				6.7-	1850-	18-4-																		0.64	
0A-3A,3119-104,8222-2-07-						0-C21223-08/10/77-10-			31-24.3-				7.4-	1670-	4-1-1-7-4-6-3-3-1-2-1-2-2-2-																	17.75		
0A-3A,3294-104,9A99-2-08-						0-C21226-08/10/77-13-			30-24.9-C-				7.5-	2120-	9-1-1-																		0.04	
0A-3A,3994-104,9756-2-07-						0-C21228-08/10/77-			30-23.2-					2840-	13-1-1-3-6-3-3-5-2-3-3-4-4-																	44.50*		
0A-3A,4175-104,9006-2-08-						0-C21230-08/10/77-15-			20-28.2-				7.0-	2270-	4-4-																		39.00*	
0A-3A,4411-104,9950-2-08-						0-C21231-08/11/77-11-			25-26.2-				7.3-	980-	6-1-1-																		2.05	
0A-3A,1689-104,0193-2-06-						0-C21234-08/11/77-11-			24-21.5-C-				7.1-	1890-	11-4-																		7.73	
0A-3A,1717-104,0211-2-06-						0-C21235-08/11/77-11-			24-22.0-				6.9-	2100-	11-4-																		7.00	

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 DMC (*)	UNITS IN ppb	
							DATE	HOUR																												
OR	38.1767	-104.0104	-2-06			0-C2123A	08/18/77	11	28	22	0		6.8	1120	11	4																			6.70	
OR	38.2017	-104.0417	-2-08			0-C21237	08/18/77	12	33	23	6		7.6	2500	9																				11.00	
OR	38.2278	-104.0578	-2-08			0-C21238	08/18/77		33	18	4		7.9	610	9	4																			8.74	
OR	38.1683	-104.1039	-2-08			0-C21239	08/18/77	15	28	18	8		6.2	990	13	4																			6.02	
OR	38.1600	-104.0600	-2-08			0-C21242	08/18/77	16	28	20	8		7.6	3160	4	4																			11.60	
OR	38.1283	-104.0117	-2-08			0-C21243	08/18/77	17	28	22	9		7.5	2610	9	4																			26.50	
OR	38.1489	-104.1072	-2-08			0-C21244	08/18/77	17	33	18	6		7.9	1690	9	4																			18.65	
OR	38.1900	-104.0222	-2-08			0-C21245	08/19/77	9	23	02	7		8.7	1330	11	4																			7.47	
OR	38.2981	-104.1078	-2-08			0-C21246	08/19/77	10	27	18	2		9.1	2770	9	4																			47.00*	
OR	38.2806	-104.1033	-2-08			0-C21247	08/19/77	10	27	18	2		7.6	1330	11																				11.05	
OR	38.3317	-104.0904	-2-08			0-C21248	08/19/77	11	27	20	1		7.6	1010	6	4																			10.00	
OR	38.3433	-104.1111	-2-08			0-C21249	08/19/77		27	17	4		7.1	2040	15	4																			8.26	
OR	38.2328	-104.0856	-2-09			0-C21250	08/19/77	16	28	22	6		8.6	710	6	4																			8.70	
OR	38.2617	-104.0483	-2-08			0-C21252	08/19/77	17	23	18	8		7.1	2760	4	4																			102.00*	
OR	38.3133	-104.0542	-2-08			0-C21254	08/20/77	10	25	18	6		7.1	1130	13	4																			7.02	
OR	38.3872	-104.0731	-2-08			0-C21255	08/20/77	12	30	21	2		7.8	690	9	4																			5.40	
OR	38.3822	-104.0772	-2-09			0-C21256	08/20/77	12	30	20	6		7.1	306	9	4																			0.03	
OR	38.3656	-104.0804	-2-09			0-C21257	08/20/77	15	27	25	3		7.3	2270	9	4																			1.01	
OR	38.3456	-104.0228	-2-08			0-C21258	08/20/77	16	35	27	0		9.3	610	6	4																			7.06	
OR	38.3361	-104.0883	-2-10			0-C21259	08/20/77	16	33	28	9		7.5	740	11	4																			1.70	
OR	38.4356	-104.0972	-2-08			0-C21261	08/20/77	18	23	21	9		7.3	2790	4	4																			5.06	
OR	38.0672	-104.0108	-2-08			0-C21263	08/21/77	9	25	22	3		9.0	2240	9	4																			3.02	
OR	38.0561	-104.0106	-2-06			0-C21264	08/21/77		25	17	4		6.5	2400	11	4																			26.00	
OR	38.0394	-104.1294	-2-08			0-C21268	08/21/77	12	28	27	3		7.1	1530	6	4																			0.02	
OR	38.0161	-104.2034	-2-08			0-C21273	08/21/77	15	30	28	6		5.9	1480	13	4																			1.04	
OR	38.0772	-104.1450	-2-08			0-C21275	08/21/77	17	28	28	7		6.8	1230	4																				0.08	
OR	38.0639	-104.2025	-2-08			0-C21278	08/22/77	10		23	2		6.9	1290	9	4																			0.03	
OR	38.0611	-104.2578	-2-08			0-C21279	08/22/77	11	27	22	5		6.9	980	24	4																			0.41	
OR	38.1111	-104.1586	-2-08			0-C21280	08/22/77	13	30	27	8		8.1	1800	18	4																			0.03	
OR	38.1222	-104.0717	-2-08			0-C21283	08/22/77	15	32	23	1		9.1	940	4	4																			5.75	
OR	38.1139	-104.0899	-2-08			0-C21284	08/22/77	15	33	10	9		7.2	2010	4	4																			24.45	
OR	38.1011	-104.0400	-2-08			0-C21285	08/22/77	16	32	22	2		8.3	1390	9	4																			33.70	
OR	38.4639	-104.0228	-2-08			0-C21286	08/23/77	9	23	10	6		6.9	660	18	4																			5.08	
OR	38.3972	-104.0869	-2-08			0-C21287	08/23/77	10	23	20	6		6.7	620	15	4																			4.23	
OR	38.4444	-104.0217	-2-08			0-C21289	08/23/77	11	23	20	3		5.9	620	9	4																			5.16	
OR	38.4706	-104.0500	-2-08			0-C21290	08/23/77	11		23	4		7.0	495	11	4																			4.20	
OR	38.4678	-104.0572	-2-09			0-C21291	08/23/77	12	20	29	0			252	18	4																				0.41
OR	38.4572	-104.0650	-2-09			0-C21292	08/23/77	15						109	6	4																			0.70	
OR	38.4939	-104.0344	-2-08			0-C21293	08/23/77	16	32	23	2		7.6	930	4	4																			4.72	
OR	38.4667	-104.1100	-2-08			0-C21295	08/23/77	17	28	15	7		7.6	1110	4	4																			10.60	
OR	38.4250	-104.0594	-2-08			0-C21296	08/23/77	17	31	28	8		7.7	1320	9	4																			11.50	
OR	38.4650	-104.1833	-2-08			0-C21297	08/24/77	10	24	22	3		7.6	790	13	4																			8.57	
OR	38.4900	-104.1893	-2-10			0-C21298	08/24/77	10	20	24	9		7.8	189	4	4																			4.13	
OR	38.4833	-104.1278	-2-08			0-C21300	08/24/77	11	30	23	6		8.0	1010	9	4																			0.60	
OR	38.4572	-104.1422	-2-08			0-C21301	08/24/77	12	31	22	7		7.9	830	9	4																			2.06	
OR	38.4222	-104.1300	-2-08			0-C21303	08/24/77	15	36	20	8		7.6	1250	9	4																			5.60	
OR	38.2656	-104.2250	-2-10			0-C21306	08/25/77	10	32	25	8		7.2	211	4	4																			33.75	
OR	38.4586	-104.1893	-2-06			0-C21312	09/01/77	15	35	28	4		7.2	357	13	4																			0.43	
OR	38.																																			

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

[illegible]

APPENDIX C

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS
FOR SEDIMENT SAMPLES

(See Appendix D for Code to Listings)

APPENDIX C. Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (e.u., ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
0A-38,7383-105,5299-2-1-						n-C20001-nr/27/74-10-	22-14.2-		6.2	33000-				15-2-7-4-4-2-3-1-1-1-3-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.50		
0A-38,8458-105,8208-2-12-						n-C20002-nr/02/74-9-	19-24.4-C-		9.1-	575-				12-2-7-6-6-2-2-1-2-4-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
0A-38,7219-105,5151-2-12-						n-C20003-nr/26/74-17-	15-17.2-C-		9.1-	620-				12-2-4-4-6-3-3-1-2-4-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.90		
0A-38,6961-105,5272-2-12-						n-C20004-nr/26/74-13-	21-22.5-C-		7.7-	447-				13-3-7-3-6-2-2-1-2-4-3-6-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30		
0A-38,8894-105,0404-2-12-						n-C20005-nr/05/74-9-	21-22.5-C-		6.0-	43-				9-3-4-5-6-3-4-4-2-4-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.10		
0A-38,9189-105,0628-2-12-						n-C20006-nr/05/74-10-	20-20.6-C-		5.2-	34-				21-3-6-4-4-4-4-4-2-3-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.20		
0A-38,9156-105,0867-2-12-						n-C20007-nr/05/74-10-	18-11.9-		5.8-	55-				7-3-6-4-4-2-2-1-2-4-3-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.80		
0A-38,9892-105,0844-2-12-						n-C20008-nr/05/74-12-	22-20.5-		7.1-	170-				4-3-6-5-6-2-3-2-2-4-3-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.60		
0A-38,9572-105,1044-2-12-						n-C20009-nr/05/74-13-	21-14.9-		5.8-	130-				12-3-7-4-6-2-2-3-2-4-4-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.70		
0A-38,8872-105,1486-2-12-						n-C20010-nr/05/74-13-	10-0.5-		5.9-	35-				12-3-8-4-4-4-4-1-2-1-3-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.20		
0A-38,8653-105,1580-2-12-						n-C20011-nr/05/74-13-	15-12.7-		5.0-	43-				19-3-4-4-4-4-4-4-1-2-2-3-6-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.70		
0A-38,8589-105,1400-2-12-						n-C20012-nr/05/74-14-	10-10.7-		5.2-	34-				10-3-6-4-4-4-4-4-1-2-4-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10		
0A-38,9400-105,0158-2-12-						n-C20013-nr/07/74-9-	21-12.0-C-		7.3-	190-				13-3-4-5-6-3-6-2-2-2-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.60		
0A-38,9558-105,0289-2-15-						n-C20014-nr/07/74-10-	21-		-	-				21-3-4-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.20	
0A-38,9856-105,2292-2-12-						n-C20015-nr/07/74-11-	20-0.8-		5.4-	89-				7-3-6-4-4-2-2-1-2-1-3-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.60		
0A-38,9133-105,1567-2-12-						n-C20016-nr/12/74-9-	15-8.0-		5.4-	75-				10-3-6-5-6-2-2-1-1-4-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00		
0A-38,8728-105,1228-2-12-						n-C20017-nr/12/74-9-	15-5.0-		5.5-	34-				13-3-4-4-6-3-3-1-2-2-3-6-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.70		
0A-38,8397-105,1734-2-12-						n-C20018-nr/12/74-10-	18-0.0-		6.4-	45-				22-3-6-4-4-4-4-3-1-2-4-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.20		
0A-38,8389-105,1742-2-12-						n-C20019-nr/12/74-10-	18-10.5-		5.9-	55-				21-3-4-4-4-4-3-1-2-4-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.80		
0A-38,8367-105,1617-2-12-						n-C20020-nr/12/74-10-	18-12.4-		4.5-	50-				24-3-4-3-6-4-4-3-1-2-2-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.20		
0A-38,8378-105,1411-2-12-						n-C20021-nr/12/74-10-	18-11.2-		4.2-	55-				15-3-6-3-6-4-3-1-2-2-2-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.40		
0A-38,8031-105,2256-2-11-						n-C20022-nr/12/74-11-	20-12.0-C-		9.5-	130-				7-3-6-4-6-1-3-3-2-3-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.30		
0A-38,7925-105,1922-2-12-						n-C20023-nr/12/74-12-	22-14.8-C-		6.5-	115-				24-3-6-4-6-2-2-3-1-2-2-2-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.30		
0A-38,7194-105,1734-2-12-						n-C20024-nr/12/74-12-	22-10.2-		5.3-	550-				12-3-6-4-6-3-3-3-2-2-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.20		
0A-38,6756-105,2269-2-12-						n-C20025-nr/12/74-13-	22-20.0-		7.9-	170-				12-3-6-4-6-4-6-3-2-2-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.20		
0A-38,6661-105,2250-2-12-						n-C20026-nr/12/74-13-	22-18.4-		7.5-	500-				19-3-4-4-6-4-6-2-2-2-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.70		
0A-38,6494-105,2161-2-12-						n-C20027-nr/12/74-13-	23-20.4-		9.4-	525-				12-3-4-4-6-4-6-4-2-2-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70		
0A-38,6281-105,2175-2-12-						n-C20028-nr/12/75-15-	24-10.0-		9.2-	690-				9-3-4-4-6-2-2-5-1-2-2-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.70		
0A-38,9647-105,1100-2-12-						n-C20029-nr/14/74-10-	18-10.5-		5.7-	230-				18-3-6-3-6-2-3-1-2-1-3-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.00		
0A-38,9889-105,1336-2-12-						n-C20030-nr/14/74-10-	18-15.2-		5.7-	225-				12-3-6-4-6-2-2-2-2-2-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.00		
0A-38,9331-105,2242-2-12-						n-C20031-nr/14/74-11-	21-14.5-		7.4-	210-				15-3-6-3-6-2-2-1-2-4-3-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.20		
0A-38,9131-105,2111-2-12-						n-C20033-nr/14/74-12-	21-17.5-		9.5-	130-				6-3-6-6-6-2-2-3-5-2-1-3-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40		
0A-38,9389-105,1761-2-11-						n-C20034-nr/16/74-10-	19-12.4-		5.9-	340-				13-3-6-6-6-2-3-1-2-2-6-3-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.40		
0A-38,7811-105,2142-2-12-						n-C20035-nr/16/74-13-	22-10.5-		7.9-	115-				19-3-6-3-6-3-1-1-2-1-2-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.70		
0A-38,7794-105,2131-2-12-						n-C20036-nr/16/74-14-	22-21.0-		7.7-	190-				7-3-6-3-6-2-3-1-2-1-3-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
0A-38,6911-105,2283-2-12-						n-C20037-nr/16/74-16-	22-17.0-		7.8-	230-				21-3-6-1-4-3-3-1-2-1-2-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.40		
0A-38,6928-105,2283-2-12-						n-C20038-nr/16/74-17-	22-17.5-		7.7-	240-				9-3-6-1-4-3-3-1-2-1-2-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.20		
0A-38,6275-105,2144-2-12-						n-C20039-nr/16/74-18-	20-22.0-		9.4-	700-				15-3-6-3-6-3-3-2-1-4-3-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.20		
0A-38,0014-105,0422-2-12-						n-C20040-nr/05/74-18-	18-18.4-C-		6.2-	72-				7-3-8-5-6-3-3-2-1-1-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
0A-38,0553-105,0494-2-12-						n-C20041-nr/05/74-19-	18-12.3-		5.4-	125-				14-3-7-4-6-3-3-1-1-2-3-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10		
0A-38,0647-105,1044-2-12-						n-C20042-nr/06/74-11-	22-10.4-		5.2-	56-				9-3-6-2-6-3-3-2-2-2-4-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.40		
0A-38,0650-105,1061-2-12-						n-C20043-nr/06/74-11-	24-10.7-		7.2-	97-				17-3-8-5-6-2-3-1-1-4-4-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.40		
0A-38,0600-105,1341-2-12-						n-C20044-nr/06/74-11-	24-13.3-		5.7-	77-				15-3-7-3-6-3-3-1-1-1-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40		
0A-38,0433-105,1333-2-12-						n-C20045-nr/06/74-11-	20-0.7-		5.6-	46-				6-3-6-3-6-4-6-1-1-4-4-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40		
0A-38,0008-105,2054-2-14-						n-C20046-nr/06/74-13-	23-22.3-		9.5-	34-				6-3-6-5-6-2-6-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00	
0A-38,0389-105,0036-2-12-						n-C20047-nr/06/74-15-	30-17.1-		5.4-	157-				6-3-6-3-6-2-2-1-1-1-4-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.00		
0A-38,0556-105,0094-2-12-						n-C20048-nr/06/74-15-	31-20.3-		7.4-	150-				12-3-6-4-6-3-3-1-1-1-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
0A-38,0775-105,0091-2-12-						n-C20049-nr/06/74-17-	26-17.8-C-		6.4-	104-				15-3-8-5-6-2-6-1-1-1-4-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.40		
0A-38,0789-105,0022-2-12-						n-C20050-nr/06/74-17-	24-18.7-C-		5.5-	112-				6-3-6-3-6-3-6-1-1-1-4-6-1-	-	-	-	-	-	-	-	-	-	-	-	-	-</							

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	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																										
OR-38	1156-105	0464-2-15				0-C20053-08/06/75-18	28									14-1-4-4-A	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10			
OR-38	1206-105	0469-2-12				0-C20054-08/06/75-19	28	1A	A-C			7.6	243			13-3-4-4-A-2-2-1-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20			
OR-38	1461-105	0475-2-12				0-C20055-08/06/75-19	28	10	0-C			5.4	142			15-3-4-2-4-3-3-1-2	-6	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10			
OR-38	1342-105	0500-2-11				0-C20056-08/06/75-19	18	22	A-C			5.4	112			7-1-A-5-6-2-3-6-1	-2	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40			
OR-38	1356-105	1064-2-12				0-C20057-08/06/75-20	17	14	1-C			5.8	142			15-1-A-4-6-3-3-1-1	-2	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40			
OR-38	0711-105	0947-2-12				0-C20058-08/07/75-10	28	14	2			7.0	192			6-3-4-5-A-2-2-1-1	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20			
OR-38	1153-105	1436-2-12				0-C20059-08/07/75-10	18	14	2			5.6	132			3-1-8-2-A-3-3-1-1	-2	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40			
OR-38	1447-105	1847-2-12				0-C20060-08/07/75-11	18	12	5			6.8	200			14-1-4-4-A-3-3-1-2	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20			
OR-38	1606-105	1908-2-12				0-C20061-08/07/75-12	18	14	4			5.4	147			0-1-4-2-A-3-3-1-2	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20			
OR-38	1644-105	1922-2-12				0-C20062-08/07/75-12	18	14	3			5.8	275			18-1-8-3-6-2-3-1-1	-6	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20			
OR-38	1617-105	1922-2-12				0-C20063-08/07/75-12	15	14	1-C			5.8	241			10-1-8-3-A-2-3-1-1	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40			
OR-38	1189-105	2278-2-12				0-C20064-08/07/75-12	18	15	7-C			7.0	225			10-1-4-5-A-2-3-1-1	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20			
OR-38	1511-105	2231-2-12				0-C20065-08/07/75-12	18	15	8-C			6.8	235			0-1-4-3-A-2-3-1-1	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20			
OR-38	1789-105	2328-2-15				0-C20066-08/07/75-13	21									4-1-7-4-A	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60			
OR-38	1667-105	2178-2-12				0-C20067-08/07/75-13	20	14	4-C			7.0	314			14-1-4-5-A-2-3-1-1	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00			
OR-38	2017-105	2436-2-14				0-C20068-08/07/75-13	21	11	0-C			7.0	415																					

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/cm)	SCINTILLOMETER (nCi/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																										
OR-3A	1547-105.5300	-2-14				0-C20109-08/09/74	15	18-20	1.0	-	5.5	-	215	-	14-2-7-5-6-1-3-1	-	4-6-3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00	
OR-3A	1311-105.5117	-2-12				0-C20110-08/09/74	15	20-24	2.0	-	6.1	-	215	-	10-2-7-4-5-3-3-1	-	2-4-4-3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
OR-3A	1306-105.5857	-2-12				0-C20111-08/09/74	15	19-12	2.0	-	3.7	-	170	-	16-2-7-3-6-4-3-1	-	2-2-3-3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
OR-3A	1053-105.6022	-2-13				0-C20112-08/09/74	16	15-15	0.0	-	5.7	-	150	-	8-2-7-6-6-1-3-1	-	3-4-3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00		
OR-3A	1239-105.5804	-2-12				0-C20113-08/09/74	16	15-13	2.0	-	5.5	-	140	-	12-2-7-3-6-4-3-1	-	2-2-3-3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00		
OR-3A	1122-105.5522	-2-12				0-C20114-08/09/74	17	14-14	3.0	-	6.1	-	300	-	6-2-7-3-6-3-3-1	-	2-4-4-2-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00		
OR-3A	0722-105.5833	-2-12				0-C20115-08/10/74	15	16-11	1.2	-	9.2	-	195	-	16-2-7- - - - -	-	2-2-4-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
OR-3A	0586-105.6234	-2-11				0-C20116-10/03/74	12	12-11	0.0	-	9.1	-	675	-	13-2-3-5-6-4-3-1	-	1-4-4-3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.00		
OR-3A	1047-105.5399	-2-12				0-C20118-08/11/74	10	12-12	2.0	-	6.7	-	190	-	4-2-7-4-6-1-3-1	-	2-2-2-2-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
OR-3A	0961-105.5397	-2-12				0-C20119-08/11/74	10	18-11	2.0	-	9.5	-	135	-	16-2-7-4-6-3-3-1	-	2-2-3-2-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
OR-3A	0847-105.5425	-2-12				0-C20120-08/11/74	11	15-12	4.0	-	9.2	-	115	-	8-2-7-3-6-3-3-1	-	2-2-3-2-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
OR-3A	0875-105.5390	-2-12				0-C20121-08/11/74	11	17-14	5.0	-	7.8	-	122	-	5-2-7-3-6-3-3-1	-	2-2-2-2-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00		
OR-3A	0875-105.5064	-2-12				0-C20122-08/11/74	11	17-15	3.0	-	7.6	-	155	-	5-2-7-3-6-3-3-1	-	2-2-4-6-2-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
OR-3A	0578-105.5691	-2-12				0-C20123-08/11/74	11	14-11	3.0	-	7.5	-	95	-	10-2-7-4-6-3-3-1	-	2-2-3-2-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.00		
OR-3A	0861-105.4634	-2-12				0-C20125-08/11/7																												

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/cm)	SCINTILLOMETER (nU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
0A-3A.3706-105.5894-2-12-						0-C20169-08/17/74-15-	23-10.2	C-					9.6-	455-	12-1-4-4-6-3-3-1-2-3-3-1-																		6.00	
0A-3A.3333-105.5092-2-12-						0-C20170-08/17/74-16-	27-22.5	C-					9.3-	390-	12-1-4-4-6-3-3-1-2-2-2-3-1-																		4.70	
0A-3A.2969-105.6122-2-12-						0-C20171-08/17/74-16-	21-22.3	C-					9.6-	375-	4-2-4-4-6-3-3-1-2-4-4-3-3-																		4.90	
0A-3A.2975-105.6114-2-12-						0-C20172-08/17/74-17-	18-17.3	C-					9.7-	315-	12-1-4-3-6-3-3-1-1-4-4-3-3-																		4.30	
0A-3A.3261-105.6803-2-12-						0-C20173-08/17/74-17-	17-24.2	C-					7.0-	700-	8-1-4-4-6-3-3-1-2-2-3-3-4-																		6.10	
0A-3A.3275-105.6811-2-12-						0-C20174-08/17/74-18-	17-14.6	C-					7.7-	750-	8-1-4-4-6-3-3-1-2-2-3-3-4-																		5.70	
0A-3A.3692-105.6869-2-15-						0-C20175-08/17/74-18-	17-								4-1-4-4-6-1-																		10.30	
0A-3A.3758-105.6881-2-12-						0-C20176-08/17/74-18-	17-14.2	C-					9.3-	950-	12-1-4-4-6-4-2-4-2-3-3-6-3-																		9.40	
0A-3A.4150-105.6928-2-12-						0-C20177-08/17/74-9-	19-16.2	C-					9.6-	950-	12-1-4-4-6-3-3-1-2-3-3-6-1-																		5.60	
0A-3A.4344-105.6997-2-12-						0-C20178-08/18/74-9-	20-								4-1-4-4-6-1-																		4.60	
0A-3A.4644-105.6553-2-11-						0-C20179-08/18/74-10-	22-11.4						9.3-	460-	12-2-4-5-6-4-2-3-1-																		14.60	
0A-3A.4819-105.6533-2-15-						0-C20180-08/18/74-10-	22-								12-1-4-4-6-1-																		4.60	
0A-3A.4303-105.7056-2-99-						0-C20181-08/18/74-10-	22-								12-1-4-4-6-1-																		3.60	
0A-3A.3528-105.7344-2-12-						0-C20183-08/18/74-12-	21-14.3	C-					9.8-	850-	21-1-4-4-6-3-3-1-2-2-3-3-3-																		5.60	
0A-3A.1750-105.0089-2-15-						0-C20184-08/09/74-12-	22-								6-1-4-4-4-1-																		5.60	
0A-3A.1736-105.0078-2-15-						0-C20185-08/09/74-12-	22-								14-1-4-4-4-1-																		3.60	
0A-3A.2553-105.0311-2-15-						0-C20186-08/09/74-12-	24-								18-1-4-4-1-																		8.60	
0A-3A.3467-105.0217-2-11-						0-C20187-08/09/74-13-	24-10.7	C-					5.8-	200-	9-1-4-4-6-2-2-5-																		7.60	
0A-3A.3022-104.9950-2-15-						0-C20188-08/09/74-14-	24-								9-1-4-4-6-1-																		7.60	
0A-3A.3222-105.0508-2-15-						0-C20189-08/09/74-14-	24-								6-1-4-4-6-1-																		3.60	
0A-3A.3425-105.0493-2-15-						0-C20190-08/09/74-14-	24-								15-1-4-4-6-1-																		3.60	
0A-3A.3856-105.0736-2-15-						0-C20191-08/09/74-15-	24-								7-4-4-5-6-1-																		3.60	
0A-3A.3925-105.0314-2-12-						0-C20192-08/09/74-16-	20-23.2	C-					7.0-	3550-	6-1-4-4-6-2-2-1-1-4-2-2-2-																		3.70	
0A-3A.3733-105.0044-2-12-						0-C20193-08/09/74-16-	27-20.1	C-					5.8-	2410-	14-1-7-5-6-2-3-6-2-1-3-3-2-2-																		9.70	
0A-3A.3881-105.0014-2-11-						0-C20194-08/09/74-17-	22-13.3	C-					5.6-	2230-	6-1-1-5-7-2-3-5-1-																		16.30	
0A-3A.4025-105.0336-2-11-						0-C20195-08/09/74-17-	27-19.4	C-					7.0-	2950-	9-1-1-5-6-2-2-5-																		10.30	
0A-3A.3911-105.0337-2-12-						0-C20196-08/09/74-18-	23-20.8	C-					5.6-	321-	9-1-4-4-6-2-3-1-1-4-4-1-3-																		4.60	
0A-3A.3969-105.1144-2-15-						0-C20197-08/09/74-18-	24-								15-1-4-4-6-1-																		3.60	
0A-3A.3578-105.2325-2-15-						0-C20198-08/10/74-11-	24-								10-1-1-4-4-1-																		3.60	
0A-3A.3281-105.2322-2-12-						0-C20199-08/10/74-11-	28-15.0	C-					5.6-	335-	7-3-7-4-6-3-3-1-1-4-5-6-1-																		5.50	
0A-3A.3739-105.2050-2-15-						0-C20200-08/10/74-12-	20-								21-1-1-4-6-1-																		4.60	
0A-3A.3731-105.2047-2-15-						0-C20201-08/10/74-12-	20-								17-1-1-4-6-1-																		5.60	
0A-3A.3667-105.1453-2-15-						0-C20202-08/10/74-12-	30-								7-1-1-4-6-1-																		6.70	
0A-3A.3661-105.1404-2-15-						0-C20203-08/10/74-12-	30-								14-1-1-4-6-1-																		3.60	
0A-3A.3992-105.1458-2-15-						0-C20204-08/10/74-12-	31-								10-1-1-4-6-1-																		7.60	
0A-3A.3953-105.1353-2-15-						0-C20205-08/10/74-12-	30-								12-1-6-4-6-1-																		2.70	
0A-3A.3633-105.1259-2-15-						0-C20206-08/10/74-13-	31-								14-1-4-4-6-1-																		2.60	
0A-3A.3642-105.1381-2-15-						0-C20207-08/10/74-13-	32-								10-1-6-4-6-1-																		3.60	
0A-3A.3267-105.1431-2-14-						0-C20208-08/10/74-13-	32-27.3	C-					5.0-	285-	3-1-4-4-6-2-2-8-																		3.70	
0A-3A.2575-105.2022-2-12-						0-C20209-08/10/74-15-	23-14.2	C-					5.8-	225-	14-3-7-3-6-3-3-1-1-1-5-3-2-																		23.60	
0A-3A.2564-105.2011-2-12-						0-C20210-08/10/74-15-	23-13.3						5.0-	184-	14-3-7-3-6-3-3-1-1-1-5-3-2-																		12.50	
0A-3A.3044-105.1369-2-15-						0-C20211-08/10/74-16-	24-								9-1-4-4-6-1-																		3.60	
0A-3A.2464-105.1336-2-15-						0-C20212-08/10/74-17-	25-								7-1-6-2-6-1-																		4.60	
0A-3A.4267-105.1950-2-12-						0-C20213-08/10/74-18-	24-15.7						5.8-	4720-	17-1-6-5-7-3-6-1-1-4-4-3-3-																		5.60	
0A-3A.4478-105.1839-2-12-						0-C20214-08/11/74-10-	24-11.9						5.7-	1600-	6-1-4-3-6-2-3-2-1-4-2-3-1-																		6.70	
0A-3A.4486-105.1751-2-15-						0-C20215-08/11/74-11-	25-								10-1-1-4-6-1-																		10.60	
0A-3A.4564-105.1775-2-13-						0-C20216-08/11/74-11-	28-								10-1-4-5-6-1-																		8.60	
0A-3A.4619-105.1244-2-15-						0-C20217-08/11/74-11-	28-								4-1-4-4-4-1-																		5.90	
0A-3A.4950-105.1291-2-11-						0-C20218-08/11/74-12-	23-20.9	C-					7.2-	253-	15-1-6-4-6-2-3-6-																		5.60	
0A-3A.4769-105.0911-2-12-						0-C20219-08/11/74-12-	20-27.4	C-					7.2-	347-	17-1-6-4-6-2-2-1-1-4-2-3-2-																		11.30	
0A-3A.4261-105.0547-2-12-						0-C20221-08/11/74-14-	24-20.1						5.6-	1820-	9-1-6-5-6-2-3-1-1-4-4-2-3-																		5.30	

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																										
0A-3A	3972-105	0042-2-15				0-C20227-08/11/74-16			55							12-1-7-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
0A-3A	1303-105	4722-2-12				0-C20226-10/23/74-9						9.6	265			12-1-1-5-6	-4	-3	-2	-4	-1	-1	-	-	-	-	-	-	-	-	-	-	3.60	
0A-3A	1206-105	4654-2-12				0-C20225-10/23/74-9						9.6	223			7-1-4-4-1	-2	-3	-1	-2	-4	-1	-1	-	-	-	-	-	-	-	-	-	3.60	
0A-3A	0081-105	4097-2-15				0-C20226-10/23/74-10			5							9-1-4-3-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
0A-3A	0658-105	4046-2-12				0-C20227-10/23/74-10			5	2.8		9.0	148			12-1-6-6-6	-2	-3	-1	-2	-4	-1	-1	-	-	-	-	-	-	-	-	-	5.70	
0A-3A	0500-105	4099-2-12				0-C20228-10/23/74-10			5	2.4		9.5	100			6-1-4-5-8	-2	-3	-1	-2	-4	-1	-1	-	-	-	-	-	-	-	-	-	4.20	
0A-3A	0119-105	4717-2-12				0-C20229-10/23/74-10			7	0		9.2	100			6-1-4-4-5	-4	-3	-1	-2	-4	-1	-1	-	-	-	-	-	-	-	-	-	6.20	
0A-3A	0467-105	4614-2-12				0-C20230-10/23/74-11			6	2		6.9	250			9-1-4-5-5	-4	-3	-1	-2	-4	-1	-1	-	-	-	-	-	-	-	-	-	4.60	
0A-3A	0289-105	4433-2-12				0-C20231-10/23/74-11			10	5		6.0	122			6-1-4-4-6	-2	-3	-1	-2	-4	-1	-1	-	-	-	-	-	-	-	-	-	5.20	
0A-3A	6550-105	6111-2-14				0-C20232-10/23/74-12			11	1	5.0	9.1	245			18-2-3-4-6	-2	-3	-4	-2	-4	-3	-1	-	-	-	-	-	-	-	-	-	5.60	
0A-3A	3575-105	7267-2-15				0-C20233-08/18/74-12			21							16-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.20	
0A-3A	3303-105	7225-2-12				0-C20234-08/18/74-13			21	1	3.0	9.6	550			12-1-4-4-6	-6	-3	-3	-1	-2	-3	-4	-3	-	-	-	-	-	-	-	-	7.60	
0A-3A	3392-105	5094-2-15				0-C20235-08/18/74-13			23							14-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10	
0A-3A	3378-105	5025-2-15				0-C20236-08/18/74-14			23							9-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.60	
0A-3A	3361-105	5250-2-11				0-C20237-08/18/74-14			23	2	3	9.4	925			6-2-4-4-6	-2	-2	-1	-1	-3	-4	-3	-	-	-	-	-	-	-	-	-	4.60	
0A-3A	3461-105	3019-2-12				0-C20239-08/19/74-9			16	1	2.0	7.6	620			16-2-4-4-6	-2	-3	-1	-2	-4	-4	-6	-	-	-	-	-	-	-	-	-	3.20	
0A-3A	3317-105	4628-2-99				0-C20240-08/19/74-11			23							21-2-7-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60	
0A-3A	3714-105	4494-2-11				0-C20241-08/19/74-12			22	3	3.0	9.1	975			12-2-4-5-6	-2	-2	-2	-2	-2	-1	-3	-3	-1	-	-	-	-	-	-	-	4.50	
0A-3A	3742-105	4557-2-15				0-C20242-08/19/74-13			23		-C-					12-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00	
0A-3A	4133-105	4391-2-15				0-C20243-08/19/74-13			22		-C-					21-2-7-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
0A-3A	4094-105	4358-2-15				0-C20244-08/19/74-14			23		-C-					12-2-7-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	
0A-3A	4300-105	3097-2-11				0-C20245-08/19/74-14			21	3	3.0	9.2	590			16-2-7-4-6	-2	-2	-1	-1	-3	-4	-3	-	-	-	-	-	-	-	-	-	4.20	
0A-3A	4022-105	3254-2-12				0-C20247-08/19/74-15			21	3	3.0	9.4	495			12-2-7-4-6	-2	-3	-1	-2	-1	-3	-4	-3	-	-	-	-	-	-	-	-	4.30	
0A-3A	4136-105	3111-2-15				0-C20248-08/19/74-15			21		-C-					14-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
0A-3A	4161-105	3290-2-15				0-C20249-08/19/74-15			20		-C-					16-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70	
0A-3A	4675-105	3704-2-15				0-C20250-08/19/74-15			23		-C-					12-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
0A-3A	4869-105	3717-2-15				0-C20251-08/19/74-16			24		-C-					12-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60	
0A-3A	4653-105	2530-2-15				0-C20253-08/19/74-17			21		-C-					12-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.60	
0A-3A	4383-105	2530-2-15				0-C20254-08/19/74-17			21		-C-					12-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
0A-3A	4192-105	2708-2-15				0-C20255-08/19/74-18			19		-C-					12-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
0A-3A	4194-105	2764-2-12				0-C20256-08/19/74-18			0	1	2.0	7.0	2095			12-2-4-4-6	-2	-2	-1	-2	-2	-3	-3	-	-	-	-	-	-	-	-	-	4.60	
0A-3A	4519-105	4036-2-15				0-C20257-08/19/74-19			0		-C-					18-2-7-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
0A-3A	4408-105	5353-2-15				0-C20258-08/19/74-19			19		-C-					25-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60	
0A-3A	3681-105	4631-2-15				0-C20259-08/20/74-10			20		-C-					12-2-7-4-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.60	
0A-3A	3678-105	7091-2-15				0-C20260-08/20/74-12			23		-C-					16-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.60	
0A-3A	4431-105	5393-2-15				0-C20261-08/20/74-13			24		-C-					21-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.20	
0A-3A	3006-105	2578-2-12				0-C20262-08/20/74-18			14	1	2.0	8.4	550			12-2-7-4-6	-2	-3	-1	-2	-1	-3	-4	-3	-	-	-	-	-	-	-	-	5.10	
0A-3A	2858-105	2010-2-97				0-C20263-08/20/74-19			5		-C-					16-2-4-5-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
0A-3A	2875-105	2056-2-12				0-C20264-08/20/74-19			5	1	3.0	9.3	550			25-1-4-4-6	-2	-2	-1	-2	-1	-3	-4	-1	-	-	-	-	-	-	-	-	3.20	
0A-3A	3075-105	4619-2-11				0-C20266-08/21/74-13			24	2	5.0	9.6	465			14-2-4-5-6	-2	-3	-1	-2	-3	-4	-3	-	-	-	-	-	-	-	-	-	7.20	
0A-3A	2629-105	4503-2-99				0-C20268-08/24/74-14			23		-C-					21-2-7-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
0A-3A	4940-105	4094-2-12				0-C20269-08/24/74-15			26	2	0.0	9.3	490			14-2-4-4-6	-2	-3	-1	-2	-4	-3	-3	-	-	-	-	-	-	-	-	-	5.20	
0A-3A	4892-105	3853-2-12				0-C20270-08/24/74-17			0	1	3.0	9.7	900			16-2-4-4-6	-2	-2	-1	-2	-3	-3	-3	-	-	-	-	-	-	-	-	-	5.60	
0A-3A	4625-105	4567-2-15				0-C20271-08/24/74-17			0		-C-					14-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60	
0A-3A	2728-105	4391-2-15				0-C20272-08/24/74-14			23		-C-					12-2-7-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
0A-3A	2864-105	4336-2-15				0-C20273-08/24/74-15			21		-C-					8-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70	
0A-3A	2931-105	4367-2-15				0-C20274-08/24/74-15			20		-C-					8-2-4-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
0A-3A	3014-105	4242-2-15				0-C20275-08/24/74-16			20		-C-					6-2-4-4-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
0A-3A	3161-105	4744-2-11				0-C20276-08/24/74-16			22	1	3.0	9.5	500			6-2-4-4-6	-2	-2	-1	-2	-1	-3	-4	-2	-	-	-	-	-	-	-	-	3.60	
0A-3A	3203-105	3475-2-12				0-C20277-08/25/74-10			0	1	3.0	9.6	335			12-2-7-4-6	-2	-3	-1	-2	-1	-3	-4	-1	-	-	-	-	-	-	-	-	3.60	
0A-3A	3189-105	3456-2-15				0-C20278-08/25/74-10			0		-C-					21-2-7-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60	

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																										
0A-3A	2733-105	3500-2-12				0-C20279-08/25/74-14	20-17.2-C		9.4	310					12-2-7-3-6-3-3-2-1-3-4-1-3																			3.60
0A-3A	2939-105	3599-2-15				0-C20280-08/25/74-13	20-17.2-C		9.4	310					25-2-7-4-6-1-1-2-1-3-4-1-3																			2.80
0A-3A	3422-105	3367-2-12				0-C20281-08/25/74-15	23-24.2-C		9.2	345					14-2-7-4-6-3-3-2-1-3-4-1-3																			3.70
0A-3A	3619-105	3578-2-12				0-C20282-08/25/74-17	18-17.3-C		9.8	650					21-2-4-4-6-3-3-1-2-1-3-4-2-3																			3.70
0A-3A	3619-105	3533-2-12				0-C20283-08/25/74-17	18-23.6-C		7.2	335					12-2-4-4-6-3-3-1-2-1-3-4-2-3																			3.60
0A-3A	8517-105	2708-2-12				0-C20284-08/18/74-13	16-12.2-C		9.1	425					7-2-7-4-8-2-2-1-2-1-3-2-6-3																			6.40
0A-3A	2017-105	9417-2-15				0-C20285-08/27/74-14	23-17.2-C		9.4	310					16-2-7-4-6-1-1-2-4-3-2-1-3																			5.00
0A-3A	1683-105	9247-2-11				0-C20286-08/27/74-14	29-50.0-C		7.6	950					23-2-7-4-6-3-3-1-2-3-3-1-1-1																			4.20
0A-3A	1692-105	9183-2-11				0-C20287-08/27/74-15	23-55.0-C		7.6	1030					21-2-7-5-6-4-3-1-2-3-3-1-1-1																			0.90
0A-3A	4681-105	3408-2-15				0-C20288-08/27/74-9	18-17.2-C		9.4	310					16-2-7-4-6-1-1-2-1-3-4-1-3																			6.20
0A-3A	1478-105	8833-2-15				0-C20289-08/27/74-15	23-17.2-C		9.4	310					10-2-7-4-6-1-1-2-3-3-1-1-1																			3.40
0A-3A	1478-105	8842-2-15				0-C20290-08/27/74-15	23-17.2-C		9.4	310					18-2-7-4-6-1-1-2-3-3-1-1-1																			5.30
0A-3A	1608-105	8814-2-12				0-C20291-08/27/74-16	17-14.6-C		9.6	600					12-2-7-4-6-3-3-1-2-4-3-4-1-3																			3.70
0A-3A	1761-105	8839-2-12				0-C20292-08/27/74-16	15-12.3-C		9.8	425					8-2-7-4-6-3-3-1-2-2-3-4-1-3																			3.90
0A-3A	1753-105	8872-2-11				0-C20293-08/27/74-17	15-10.2-C		9.2	550					8-2-7-4-6-3-3-1-2-2-3-3-1-3																			4.80
0A-3A	1864-105	8354-2-12				0-C20294-08/27/74-16	22-25.4-C		9.0	345					14-2-7-4-6-3-3-1-2-4-3-2-1-3																			5.10
0A-3A	2025-105	9011-2-15				0-C20295-08/27/74-18	19-17.2-C		9.4	320					14-2-7-4-6-1-1-2-4-3-2-1-3																			5.10
0A-3A	2250-105	9000-2-12				0-C20296-08/27/74-18	17-21.3-C		9.4	320					8-2-7-4-6-2-3-1-2-4-4-2-1-3																			5.60
0A-3A	1339-105	9011-2-15				0-C20297-08/28/74-13	22-17.2-C		9.4	320					14-2-7-4-6-1-1-2-4-3-2-1-3																			5.10
0A-3A	1347-105	9708-2-15				0-C20298-08/28/74-13	23-17.2-C		9.4	320					8-2-7-4-6-1-1-2-4-3-2-1-3																			2.90
0A-3A	1011-105	8917-2-12				0-C20300-08/28/74-14	24-20.2-C		9.6	1400					12-2-7-4-6-2-3-1-2-4-4-1-1-1																			5.80
0A-3A	7678-105	5453-2-12				0-C20302-08/16/74-11	22-10.0-C		7.0	495					6-2-7-4-6-3-3-1-2-1-2-2-1-1																			3.80
0A-3A	1003-105	7094-2-15				0-C20303-08/28/74-15	24-17.2-C		9.4	320					14-2-7-4-6-1-1-2-4-2-2-1-3																			7.10
0A-3A	1006-105	7472-2-12				0-C20304-08/28/74-15	22-17.2-C		9.4	115					14-2-7-3-6-3-3-1-2-2-3-3-1-1																			14.50
0A-3A	0711-105	7756-2-12				0-C20305-08/28/74-16	23-10.4-C		9.2	90					14-2-7-5-6-3-3-1-2-2-3-3-1-1																			6.00
0A-3A	0328-105	8275-2-12				0-C20306-08/28/74-16	22-24.3-C		9.6	100					14-2-7-4-6-3-3-1-2-4-3-1-1-1																			5.20
0A-3A	2322-105	9856-2-12				0-C20307-08/29/74-14	25-24.2-C		9.4	375					16-2-7-4-6-3-3-1-2-4-3-2-1-3																			6.20
0A-3A	2486-105	9044-2-12				0-C20308-08/29/74-14	21-25.2-C		9.7	225					21-2-7-4-6-2-2-1-2-4-2-2-1-3																			4.00
0A-3A	1331-105	7861-2-12				0-C20309-08/29/74-16	14-13.3-C		9.4	240					12-2-7-4-6-3-3-1-2-2-3-3-2-3																			6.70
0A-3A	1256-105	7444-2-11				0-C20310-08/29/74-16	13-10.0-C		7.6	350					14-2-7-4-6-2-3-1-2-2-3-4-8-8																			5.70
0A-3A	9097-105	7208-2-12				0-C20311-08/19/74-14	14-20.3-C		7.0	550					12-2-7-4-6-2-2-1-2-4-2-3-1-3																			2.50
0A-3A	0572-105	7472-2-12				0-C20312-08/29/74-17	13-14.3-C		9.2	100					12-2-7-4-6-3-3-1-2-4-3-2-6-3																			5.50
0A-3A	0256-105	8108-2-11				0-C20313-08/29/74-17	14-17.2-C		9.2	145					12-2-7-4-6-3-3-1-4-3-2-6-3																			3.90
0A-3A	0047-105	8125-2-11				0-C20314-08/29/74-18	14-15.2-C		9.4	145					12-2-7-4-6-3-3-1-4-3-1-4-3																			2.70
0A-3A	0111-105	7750-2-13				0-C20315-08/29/74-19	11-15.6-C		9.2	500					12-2-7-6-8-1-3-1-6-4-1-4-3																			3.40
0A-3A	1481-105	9269-2-15				0-C20316-08/30/74-14	23-17.2-C		9.4	320					12-2-7-4-6-1-1-2-3-3-2-3-3																			3.20
0A-3A	2422-105	8397-2-12				0-C20317-08/30/74-15	16-0.2-C		9.8	245					8-2-7-4-6-3-3-1-2-2-3-3-2-3																			12.80
0A-3A	2153-105	8150-2-12				0-C20318-08/30/74-16	20-11.3-C		9.1	95					14-2-7-3-6-3-3-1-2-3-3-4-2-3																			5.20
0A-3A	1550-105	8378-2-12				0-C20319-08/30/74-17	12-14.6-C		9.7	455					21-2-7-3-6-3-3-1-2-4-3-2-3-3																			4.10
0A-3A	0778-105	8691-2-11				0-C20320-08/30/74-17	11-11.3-C		7.8	355					12-2-7-4-6-3-3-1-4-4-1-3-3																			8.70
0A-3A	0775-105	9067-2-13				0-C20321-08/30/74-17	11-20.3-C		9.0	390					16-2-7-5-6-1-2-2-3-3-1-3-3																			9.10
0A-3A	0422-105	9108-2-11				0-C20322-08/30/74-17	11-12.3-C		9.5	310					10-2-7-5-6-3-3-1-3-4-1-3-3																			6.80
0A-3A	0050-105	9025-2-11				0-C20323-08/30/74-18	12-14.6-C		9.2	500					10-2-7-5-6-1-2-2-3-4-1-3-3																			12.40
0A-3A	0142-105	8628-2-11				0-C20324-08/30/74-19	12-15.2-C		9.1	250					10-2-7-5-6-2-3-1-4-4-1-3-3																			

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 (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																										
0A-3A.8131-105.3603-2-15-						0-C20336-08/17/74-16-	21-		-C-	-	-	-	-	-	9-2-4-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	
0A-3A.8539-105.3660-2-15-						0-C20337-08/17/74-16-	19-		-C-	-	-	-	-	-	17-2-4-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	
0A-3A.8694-105.3797-2-15-						0-C20338-08/17/74-17-	14-		-C-	-	-	-	-	-	15-2-4-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	
0A-3A.8519-105.4100-2-11-						0-C20339-08/17/74-17-	18-	9-	-C-	9.2	140-	28-2-4-4-6-2-3-1-	2-1-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.0		
0A-3A.8517-105.4431-2-15-						0-C20340-08/17/74-18-	14-	14-	-C-	9.0	320-	3-2-6-4-6-2-2-1-	-1-2-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0		
0A-3A.8717-105.4410-2-11-						0-C20341-08/17/74-18-	12-	14-	-C-	9.0	125-	14-2-4-5-8-2-2-1-	-1-2-2-4-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.0		
0A-3A.9719-105.2747-2-12-						0-C20342-08/18/74-10-	12-	14-	-C-	5.9	230-	23-2-4-3-4-3-2-1-	2-1-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.0		
0A-3A.9761-105.2761-2-12-						0-C20343-08/18/74-10-	14-	14-	-C-	7.2	360-	14-2-4-5-8-2-2-1-	2-1-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0		
0A-3A.9244-105.2847-2-12-						0-C20344-08/18/74-11-	21-	14-	-C-	9.0	525-	14-2-7-4-8-2-2-1-	2-1-2-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0		
0A-3A.9108-105.2553-2-11-						0-C20347-08/18/74-11-	18-	14-	-C-	7.0	350-	19-2-7-3-4-2-2-1-	2-1-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0		
0A-3A.8836-105.2572-2-12-						0-C20348-08/18/74-12-	18-	14-	-C-	7.4	325-	32-2-7-4-8-2-2-1-	2-1-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0		
0A-3A.8247-105.2583-2-14-						0-C20349-08/18/74-13-	20-	21-	-C-	7.0	575-	10-2-4-4-6-1-3-2-	-1-3-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0		
0A-3A.7803-105.2804-2-12-						0-C20350-08/18/74-14-	14-	14-	-C-	7.1	150-	18-2-4-3-4-3-3-1-	2-1-3-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.0		
0A-3A.7517-105.2672-2-12-						0-C20351-08/18/74-14-	17-	17-	-C-	6.4	210-	24-2-7-3-4-3-3-1-	2-1-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.0		
0A-3A.7772-105.3061-2-12-						0-C20352-08/18/74-15-	10-	21-	-C-	7.4	475-	31-2-4-6-8-2-2-1-	2-1-3-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0		
0A-3A.8075-105.3242-2-14-						0-C20353-08/18/74-15-	20-	19-	-C-	8.2	425-	21-2-7-5-6-1-2-5-	-1-3-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0		
0A-3A.7803-105.2804-2-14-						0-C20354-08/18/74-16-	17-	17-	-C-	7.7	550-	10-2-2-5-6-1-2-1-	-1-2-3-4-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0		
0A-3A.7817-105.4297-2-12-						0-C20355-08/18/74-17-	13-	14-	-C-	7.4	500-	4-2-4-3-6-3-3-1-	2-1-2-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.7742-105.3497-2-12-						0-C20356-08/18/74-15-	12-	17-	-C-	7.0	575-	12-2-7-6-8-1-2-1-	2-1-2-4-4-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0		
0A-3A.7731-105.3408-2-12-						0-C20358-08/18/74-16-	14-	14-	-C-	8.0	500-	14-2-7-4-6-3-3-1-	2-1-3-4-4-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.7806-105.4431-2-12-						0-C20359-08/17/74-17-	12-	14-	-C-	9.1	480-	12-2-4-4-6-3-3-1-	2-1-2-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.7825-105.4428-2-12-						0-C20360-08/18/74-	-	11-	11-	-C-	7.9	500-	21-2-4-3-6-3-3-1-	2-1-2-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.8003-105.4454-2-11-						0-C20361-08/19/74-9-	11-	11-	-C-	7.4	320-	12-3-7-4-8-1-2-1-	-4-3-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.9347-105.4108-2-12-						0-C20363-08/19/74-13-	24-	12-	-C-	7.4	500-	14-3-7-3-8-2-2-1-	2-2-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.0		
0A-3A.8808-105.3050-2-11-						0-C20364-08/19/74-14-	18-	8-	2-C-	9.7	150-	12-3-7-4-8-2-2-1-	2-2-3-2-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.0		
0A-3A.8433-105.3497-2-11-						0-C20365-08/19/74-15-	22-	14-	-C-	9.0	425-	34-3-7-3-6-2-3-1-	2-2-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0		
0A-3A.9783-105.5833-2-12-						0-C20366-08/20/74-9-	15-	14-	-C-	7.4	550-	6-2-4-4-2-2-1-	2-4-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0		
0A-3A.9900-105.6383-2-12-						0-C20367-08/19/74-10-	17-	14-	-C-	8.0	5000-	15-2-1-4-1-1-2-5-	2-4-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0		
0A-3A.9583-105.6106-2-12-						0-C20368-08/19/74-10-	17-	21-	-C-	9.4	800-	7-2-7-4-6-2-2-1-	2-4-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.9583-105.6122-2-11-						0-C20369-08/19/74-11-	16-	14-	-C-	9.0	3500-	15-2-4-4-7-1-2-4-	-4-3-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0		
0A-3A.9872-105.6317-2-13-						0-C20370-08/19/74-11-	21-	18-	-C-	7.4	2100-	15-2-4-4-7-1-2-4-	-4-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0		
0A-3A.9756-105.6094-2-12-						0-C20371-08/19/74-12-	23-	14-	-C-	7.0	675-	18-2-4-4-7-2-2-1-	2-4-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0		
0A-3A.9325-105.7178-2-12-						0-C20372-08/14/74-17-	16-	21-	-C-	7.7	600-	7-3-3-4-6-2-2-1-	2-4-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0		
0A-3A.8700-105.6078-2-11-						0-C20373-08/19/74-12-	14-	13-	-C-	7.4	425-	3-2-4-4-6-2-2-1-	2-2-1-2-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.8703-105.7199-2-12-						0-C20374-08/19/74-13-	13-	22-	-C-	9.3	500-	1-2-4-5-6-2-2-1-	2-4-2-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.8319-105.6811-2-11-						0-C20375-08/19/74-14-	10-	7-	-C-	7.0	500-	15-2-4-4-6-2-2-1-	2-2-1-2-4-4-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.8603-105.6728-2-11-						0-C20376-08/19/74-15-	10-	0-	-C-	9.2	440-	10-2-8-4-6-2-2-1-	2-1-3-3-4-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.7744-105.6044-2-11-						0-C20377-08/19/74-15-	13-	10-	-	8.0	490-	14-2-4-4-6-2-2-1-	2-1-3-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0		
0A-3A.7572-105.4430-2-11-						0-C20378-08/19/74-16-	14-	0-	-C-	7.4	210-	4-2-7-5-8-2-3-1-	2-1-3-4-4-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0		
0A-3A.7672-105.4594-2-14-						0-C20379-08/19/74-17-	14-	18-	-C-	7.4	200-	9-2-7-6-2-2-2-2-	2-1-3-4-4-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.9167-105.5181-2-15-						0-C20381-08/14/74-8-	11-	-	-C-	-	-	15-3-1-4-4-6-	-1-	-	2-4-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	
0A-3A.8919-105.5322-2-14-						0-C20382-08/14/74-8-	12-	0-	-C-	7.4	270-	7-3-4-4-6-3-2-1-	2-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0		
0A-3A.8997-105.5351-2-12-						0-C20383-08/14/74-10-	12-	11-	-C-	7.9	455-	7-3-7-6-8-2-2-1-	2-4-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0		
0A-3A.8886-105.5072-2-12-						0-C20384-08/14/74-10-	12-	0-	-C-	6.7	290-	6-3-4-4-8-3-1-	2-4-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	
0A-3A.8878-105.5861-2-11-						0-C20385-08/14/74-12-	18-	17-	-C-	9.1	240-	18-3-7-4-8-2-2-1-	2-1-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	
0A-3A.8850-105.5494-2-12-						0-C20386-08/14/74-12-	13-	14-	-C-	7.6	140-	7-3-7-4-8-3-2-1-	2-3-2-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0	
0A-3A.9064-105.6131-2-11-						0-C20387-08/14/74-13-	20-	0-	-C-	7.4	295-	9-3-7-6-8-2-2-1-	2-4-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	
0A-3A.9325-105.6130-2-15-						0-C20388-08/14/74-13-	20-	-	-C-	-	-	10-3-7-4-6-	-1-	-	-4-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	
0A-3A.9281-105.5975-2-97-						0-C20389-08/14/74-14-	24-	-	-C-	-	-	10-3-7-4-7-	-1-	-	-2-4-2-2-																			

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																									
0A-3A	A703-105	4522-2-15				0-C20393-08/14/75-16	24							250		6-3-6-4-6	-1	-4-2-2-1	-3													2.80	
0A-3A	A478-105	4290-2-11				0-C20394-08/14/75-17	20-14						7.4	250		7-3-7-5-6-1-2	-1-2-1-2-4-1	-1														2.20	
0A-3A	9861-105	4319-2-12				0-C20395-08/14/75-18	19-12						7.5	725		10-2-7-6-8-1-2	-4-2-1-3-3-1	-3														5.30	
0A-3A	9917-105	4058-2-15				0-C20396-08/14/75-19	14									30-2-3-6-7	-1	-2-1-2-3-1	-3													7.70	
0A-3A	A950-105	4892-2-12				0-C20397-08/14/75-9	0-12						7.3	450		9-2-1-4-6-2-2	-1-2-4-3-2-1	-1														4.50	
0A-3A	A931-105	4783-2-11				0-C20398-08/14/75-10	18-10						7.4	360		10-2-7-5-8-3-3-1	-2-4-3-2-1	-3														6.30	
0A-3A	A025-105	5097-2-12				0-C20399-08/14/75-10	18-11						7.8	430		12-2-7-5-8-1-2	-2-2-2-2-3-2-1	-3														2.80	
0A-3A	7558-105	5533-2-15				0-C20400-08/14/75-11	16									24-2-6-4-6	-1	-2-1-2-3-1	-1														2.90
0A-3A	7700-105	5433-2-15				0-C20401-08/14/75-11	24									9-2-7-4-7	-1	-2-1-2-2-1	-3														2.10
0A-3A	7744-105	5633-2-15				0-C20402-08/14/75-11	17-10						7.9	450		13-2-1-5-8-1-2	-2-2-2-1-2-2-1	-3														3.50	
0A-3A	7878-105	5880-2-12				0-C20403-08/14/75-12	19-16						8.1	525		6-2-7-4-6-3-2	-1-2-1-2-3-1	-3														3.60	
0A-3A	7903-105	5880-2-12				0-C20404-08/14/75-12	18-20						9.0	525		6-2-7-4-6-3-2	-1-2-1-2-3-1	-3														2.70	
0A-3A	7922-105	6530-2-11				0-C20405-08/14/75-14	10						7.7	110		18-2-6-4-8-2-3-1	-2-1-3-4-1	-3														2.90	
0A-3A	7917-105	6304-2-11				0-C20406-08/14/75-14	14						7.6	140		18-2-7-5-8-2-2-1	-2-1-4-5-3	-3														4.50	
0A-3A	7667-105	6831-2-11				0-C20407-08/14/75-16	14-10						7.8	600		3-2-1-6-8-1-2	-2-2-2-1-3-3-1	-3														2.90	
0A-3A	A406-105	7100-2-12				0-C20408-08/14/75-16	20-14						8.6	500		10-2-6-4-6-2-2-1	-2-4-2-2-3	-3														2.80	
0A-3A	A094-105	7433-2-12				0-C20409-08/14/75-16	16-16						8.5	500		7-2-6-4-6-2-2-2	-2-2-4-2-2-3	-3														2.50	
0A-3A	9872-105	7683-2-15				0-C20410-08/17/75-10	17									3-2-1-4-6	-1	-2-1-2-2-3	-1														4.10
0A-3A	9728-105	7660-2-12				0-C20411-08/17/75-10	20-14						7.6	440		12-2-6-3-6-3-3-1	-2-1-3-3-3	-1														9.80	
0A-3A	9325-105	4117-2-12				0-C20412-08/17/75-10	16-16						7.8	825		15-2-7-4-6-4-3-1	-2-1-3-5-3	-1														7.50	
0A-3A	9214-105	4219-2-15				0-C20413-08/17/75-10	14									18-2-6-4-6	-1	-2-1-3-4-2	-8														8.50
0A-3A	9453-105	2972-2-12				0-C20414-08/17/75-11	24-12						7.7	625		12-2-1-6-8-2-2-1	-2-4-3-3-2	-1														6.50	
0A-3A	9486-105	2831-2-14				0-C20415-08/17/75-12	23-17						7.8	240		24-2-6-4-8-1-2	-2-2-2-1-3-3-2	-1														7.30	
0A-3A	9494-105	2917-2-12				0-C20416-08/17/75-12	24-22						7.7	250		15-2-1-4-6-2-2-1	-2-4-3-2-2	-3														9.50	
0A-3A	9439-105	3234-2-14				0-C20417-08/17/75-13	20-10						9.2	250		9-2-6-5-8-2-3-1	-2-1-3-4-2	-3														7.30	
0A-3A	9211-105	3575-2-15				0-C20418-08/17/75-13	20-14						7.8	550		12-2-6-5-6-1-2	-2-2-2-1-3-4-3	-1														21.70	
0A-3A	7353-105	0172-2-12				0-C20419-08/19/75-11	17-14						5.1	72		27-3-4-3-6-2-2-1	-2-1-3-5-3	-8														31.50	
0A-3A	7311-105	0291-2-14				0-C20420-08/19/75-11	17-16						5.8	45		15-3-4-3-6-2-3-1	-2-1-3-5-3	-8														19.00	
0A-3A	A894-105	0533-2-14				0-C20421-08/19/75-12	17-17						5.8	85		12-3-4-3-6-2-3-1	-2-3-3-5-3	-8														19.00	
0A-3A	7094-105	0408-2-12				0-C20422-08/19/75-12	18-15						6.3	55		27-3-4-2-6-3-3-1	-2-1-3-5-3	-3														29.60	
0A-3A	7094-105	0567-2-12				0-C20423-08/19/75-12	17-15						5.3	47		18-3-4-3-6-3-3-1	-2-1-3-5-2	-3														20.50	
0A-3A	7428-105	0642-2-12				0-C20424-08/19/75-14	17-18						5.4	52		41-3-4-3-6-3-3-1	-2-2-3-5-3	-3														13.10	
0A-3A	7417-105	0950-2-12				0-C20425-08/19/75-16	17-15						5.7	375		26-3-4-3-6-2-2-1	-2-1-3-5-3	-3														11.60	
0A-3A	6942-105	1453-2-12				0-C20426-08/19/75-16	16-15						7.3	550		22-3-4-3-6-3-3-1	-2-4-3-5-3	-2														11.00	
0A-3A	A083-105	2280-2-15				0-C20427-08/23/75-9	20									6-3-4-4-4	-1	-1-1-3-4-3	-3														3.50
0A-3A	6017-105	2261-2-15				0-C20428-08/23/75-9	20									6-3-4-4-4	-1	-1-1-3-4-3	-3														3.70
0A-3A	5903-105	2253-2-12				0-C20429-08/23/75-10	21-17						7.8	800		6-3-4-3-6-3-3-2	-1-2-3-4-3	-3														10.70	
0A-3A	5772-105	2300-2-12				0-C20430-08/23/75-10	21-16						8.6	2300		15-3-4-3-6-3-3-4	-2-2-4-3	-3														9.50	
0A-3A	6000-105	1978-2-15				0-C20431-08/23/75-10	20									12-3-4-3-6	-1	-2-1-3-5-3	-3														8.70
0A-3A	5433-105	2161-2-15				0-C20432-08/23/75-11	21									12-3-4-4-6	-1	-2-1-2-4-3	-3														11.00
0A-3A	5442-105	2211-2-12				0-C20433-08/23/75-11	21-17						9.3	800		12-3-4		-1-2-4-3	-3														7.00
0A-3A	5058-105	2244-2-15				0-C20434-08/23/75-12	22									9-3-1-4-6	-1	-2-2-2-4-3	-3														5.40
0A-3A	5203-105	1234-2-12				0-C20435-08/23/75-13	23-10						7.9	40		15-1-4-3-4-3-3-1	-2-1-2-5-2	-8														13.50	
0A-3A	5442-105	1122-2-12				0-C20436-08/23/75-13	22-15						5.8	80		21-3-4-2-4-2-3-1	-2-2-2-5-2	-1															19.70
0A-3A	5683-105	0899-2-12				0-C20437-08/23/75-13	22-10						7.9	250		24-3-4-3-6-2-3-1	-2-1-2-5-2	-8															17.10
0A-3A	5672-105	0914-2-12				0-C20438-08/23/75-13	22-13						7.7	180		10-3-4-2-6-3-3-1	-2-1-2-5-2	-8															15.00
0A-3A	6106-105	1303-2-12																															

[illegible]

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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 (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
							DATE	HOUR																											
0A-3A.9181-105	A797-2-46-	0-C20501-08/31/74-16-	1A-	-C-	-	1A-2-A-4-6-	-1-	-	4-3-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
0A-3A.9633-105	025A-2-12-	0-C20502-08/31/74-16-	1A-	1A-3-C-	-	1A-2-7-4-6-	-2-2-1-	-	2-4-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
0A-3A.0372-105	650A-2-12-	0-C20503-08/01/74-13-	1A-	0-5-C-	-	1A-2-7-3-6-	-3-3-1-	-	2-3-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.20	
0A-3A.0378-105	7192-2-12-	0-C20504-08/01/74-15-	1A-	1A-3-C-	-	1A-2-7-4-6-	-3-3-1-	-	2-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
0A-3A.0508-105	6050-2-12-	0-C20505-08/01/74-14-	1A-	1A-3-C-	-	1A-2-7-3-6-	-3-3-1-	-	2-3-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
0A-3A.1578-105	7042-2-12-	0-C20506-08/01/74-17-	1A-	0-2-C-	-	1A-2-7-5-6-	-2-2-1-	-	2-3-4-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.20	
0A-3A.1544-105	7375-2-12-	0-C20507-08/01/74-18-	1A-	1A-2-C-	-	1A-2-7-5-6-	-2-2-1-	-	2-3-4-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
0A-3A.1031-105	6792-2-12-	0-C20508-09/02/74-11-	1A-	0-2-	-	1A-2-7-3-6-	-3-3-1-	-	2-1-3-4-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.20	
0A-3A.0992-105	7230-2-12-	0-C20509-09/02/74-13-	1A-	1A-0-C-	-	1A-2-7-3-6-	-3-3-1-	-	2-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.40	
0A-3A.5494-105	0072-2-12-	0-C20510-08/24/74-14-	2A-	2A-5-A-	-	1A-3-7-3-7-	-2-2-1-	-	2-4-3-4-3-	-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
0A-3A.5569-105	0067-2-15-	0-C20511-08/24/74-14-	2A-	-	-	0-3-7-2-7-	-1-	-	2-3-2-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.20
0A-3A.6014-105	0444-2-15-	0-C20512-08/24/74-15-	1A-	-C-	-	4-3-6-3-6-	-1-	-	2-3-2-4-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20
0A-3A.5997-105	035A-2-11-	0-C20513-08/25/74-11-	1A-	7-5-C-	-	1A-3-7-4-6-	-2-2-1-	-	2-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.20
0A-3A.5903-105	0361-2-11-	0-C20514-08/25/74-11-	1A-	1A-0-C-	-	1A-3-7-2-7-	-1-	-	1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.20
0A-3A.5872-105	0047-2-11-	0-C20515-08/25/74-12-	2A-	0-3-C-	-	1A-3-7-5-6-	-2-2-3-	-	4-3-																										

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

DOE SAMPLE NUMBER						JASL SAMPLE LOCATION NUMBER AND FIELD DATA																										U CONCENTRATION			
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	JASL 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																											
OR-3A	3008-105	0744-2-15				0-C20555-08/28/74-14	20								12-6	-3-6	-1	-2-3-2-3-1	-3															4.00	
OR-3A	3108-105	0531-2-12				0-C20556-08/28/74-15	22	21	6				7.1	300	15-4	-3-6-2-2-1	-2-3-1-3-1	-3																14.70	
OR-3A	3283-105	0708-2-15				0-C20557-08/28/74-15	22								10-4	-3-6	-1	-2-3-2-3-1	-3															12.50	
OR-3A	3350-105	0842-2-12				0-C20558-08/28/74-15	22	10	2				5.9	40	11-4	-3-6-2-3-2	-2-4-1-3-3-1	-3																14.70	
OR-3A	3672-105	0844-2-12				0-C20560-08/28/74-16	22	11	2				7.5	50	10-3	-7-2-7-3-3-1	-2-3-3-5-3	-1																21.70	
OR-3A	5222-105	0822-2-12				0-C20561-08/30/74-9	15	12					5.9	499	17-3	-4-2-6-3-3-1	-2-4-3-5-1	-3																5.50	
OR-3A	5133-105	0769-2-15				0-C20562-08/30/74-9	15								10-3	-4-2-6	-1	-2-3-2-5-1	-3															4.20	
OR-3A	4950-105	0500-2-12				0-C20563-08/30/74-10	14	11	5				7.2	420	8-3	-4-2-6-3-3-1	-2-4-3-5-1	-1																4.20	
OR-3A	4589-105	0422-2-12				0-C20564-08/30/74-10	15	11	2				7.2	295	8-3	-4-3-6-2-3-1	-2-4-3-5-1	-3																3.20	
OR-3A	4528-105	0406-2-12				0-C20565-08/30/74-10	15	7	2				7.2	135	7-3	-4-3-6-3-3-1	-2-2-3-5-1	-1																10.50	
OR-3A	4931-105	0192-2-15				0-C20566-08/30/74-11	16								3-3	-4-2-6	-1	-2-2-2-5-1	-2																2.90
OR-3A	4714-105	0772-2-15				0-C20568-08/30/74-14	19								11-1	-4-2-6	-1	-2-1-2-5-4	-1																5.50
OR-3A	4431-105	0394-2-12				0-C20569-08/30/74-14	17	13					7.2	255	5-1	-4-3-6-2-2	-2-4-3-5-4	-1																4.20	
OR-3A	4269-105	0850-2-12				0-C20570-08/30/74-15	18	2	1				6.8	138	5-3	-4-2-6-2-3-1	-2-1-3-5-3	-1																4.20	
OR-3A	4286-105	0875-2-12				0-C20571-08/30/74-15	12	2	5				6.9	110	7-3	-7-2-7-3-1	-2-1-3-5-4	-1																5.20	
OR-3A	4075-105	0743-2-15				0-C20572-08/30/74-16	14								4-3	-7-5-8	-1	-2-1-3-5-4	-1																2.80
OR-3A	4089-105	0780-2-12				0-C20573-08/30/74-17	13	8	2				5.9	43	7-3	-7-2-7-3-3-1	-2-1-3-5-3	-1																7.20	
OR-3A	4878-105	0843-2-12				0-C20574-08/31/74-11	20	12	2				7.1	1100	12-1	-4-3-6-3-3-6-2-1	-2-5-1	-1																4.70	
OR-3A	4664-105	0800-2-12				0-C20575-08/31/74-12	20	23	2				7.5	1115	5-1	-4-3-6-3-3-6-2-1	-2-5-1	-1																4.70	
OR-3A	4411-105	0292-2-15				0-C20576-08/31/74-12	22								10-1	-4-2-6	-1	-2-3-2-4-1	-3															4.20	
OR-3A	4761-105	0806-2-15				0-C20577-08/31/74-13	23								11-1	-4-2-6	-1	-2-3-2-5-1	-1															4.20	
OR-3A	4328-105	0114-2-15				0-C20578-08/31/74-13	23								11-1	-4-4-6	-1	-2-4-3-5-3	-3															6.50	
OR-3A	4317-105	0853-2-15				0-C20579-08/31/74-13	22								10-1	-4-4-6	-1	-2-1-2-5-3	-3															4.20	
OR-3A	4153-105	0878-2-15				0-C20580-08/31/74-13	22								11-1	-4-3-6	-1	-2-1-2-5-3	-3															8.60	
OR-3A	5139-105	0753-2-12				0-C20582-08/31/74-15	7	11	2				7.4	470	10-3	-6-5-6-2-2-1	-2-1-3-5-4	-3																5.20	
OR-3A	2950-105	0752-2-12				0-C20583-08/31/74-16	10	8	1				7.1	400	17-3	-7-2-7-3-3-1	-2-1-3-5-3	-1																4.20	
OR-3A	3144-105	0752-2-12				0-C20584-08/31/74-17	10	8	1				7.1	490	10-3	-4-3-6-3-3-1	-2-2-3-5-3	-1																4.20	
OR-3A	3144-105	0757-2-12				0-C20585-08/31/74-17	11	15	1				7.4	600	9-3	-4-3-6-2-2-1	-2-1-3-5-3	-1																5.50	
OR-3A	3283-105	0796-2-12				0-C20586-08/31/74-17	12	11	0				7.2	355	7-3	-4-2-6-3-3-1	-2-2-3-5-2	-1																5.90	
OR-3A	3297-105	0256-2-12				0-C20587-08/31/74-18	11	9	5				7.1	240	12-3	-4-2-6-3-3-1	-2-1-3-5-3	-1																8.00	
OR-3A	3317-105	0217-2-12				0-C20588-08/31/74-18	10	10	1				7.2	270	7-3	-7-2-7-3-3-1	-2-2-3-5-3	-1																4.70	
OR-3A	3408-105	0784-2-12				0-C20589-08/31/74-18	10	10	5				7.2	340	7-3	-7-2-7-3-3-1	-2-2-3-5-3	-3																5.00	
OR-3A	3675-105	0752-2-15				0-C20590-08/31/74-18	10								7-3	-4-2-6	-1	-2-1-2-5-3	-1															4.70	
OR-3A	3819-105	0771-2-15				0-C20591-08/31/74-18	9								7-3	-6-2-6	-1	-2-3-2-5-2	-3															4.20	
OR-3A	4247-105	0130-2-14				0-C20592-08/31/74-19	9	13	0				7.8	525	7-4	-5-6-2-2-2	-4-3-6-3	-3																4.20	
OR-3A	4175-105	0267-2-14				0-C20593-08/31/74-20	9	12					7.2	498	8-4	-6-6-2-3-2	-2-2-4-3	-1																4.70	
OR-3A	3889-105	0394-2-12				0-C20594-08/31/74-19	8	11					7.2	450	6-3	-7-2-7-2-3-1	-2-4-3-4-3	-3																3.20	
OR-3A	4317-105	0333-2-12				0-C20595-08/31/74-20	10	12	0				7.2	243	8-3	-7-2-7-3-3-1	-2-1-2-4-3	-1																4.70	
OR-3A	5053-105	0822-2-15				0-C20596-09/01/74-14	28								14-1	-6-2-6	-1	-2-3-2-5-2	-1															7.50	
OR-3A	5081-105	0822-2-12				0-C20597-09/01/74-14	28	22	2				7.4	1100	8-1	-6-3-6-3-2-2	-2-3-2-5-2	-1																5.70	
OR-3A	5478-105	0836-2-12				0-C20599-09/01/74-16	28	21	8				5.9	1094	10-1	-4-2-6-3-2-2	-2-1-2-5-2	-1																3.70	
OR-3A	5669-105	0836-2-12				0-C20600-09/01/74-17	22	20	0				7.1	980	7-1	-4-2-6-2-2-1	-2-1-2-5-2	-1																3.70	
OR-3A	9961-105	0783-2-14				0-C20601-09/01/74-9	13	14	2				8.8	1200	12-2	-7-6-8-1	-2-2-2-4-2-2-1	-9																4.20	
OR-3A	8381-105	0783-2-97				0-C20602-09/01/74-10	15								14-2	-4-5-8	-1	-4-2-3-1	-3															4.20	
OR-3A	8408-105	0797-2-11				0-C20603-09/01/74-10	11	12	5				7.9	600	6-4	-4-6-8-2-2-1	-1-4-3-2-1	-3																5.6	

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[illegible]

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

[illegible]

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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)	SCINTILOMETER (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															
							DATE	HOUR																																										
0A-3A.3514-105.202A-2-15-	0A-3A.6311-104.5A5A-2-15-	0A-3A.6417-104.6A3A-2-15-	0A-3A.607A-104.7A17-2-15-	0A-3A.5528-104.7A3A-2-15-	0A-3A.5183-104.7A3A-2-15-	0A-3A.5222-104.7A7A-2-15-	0A-3A.5750-104.6A2A-2-15-	0A-3A.6950-104.4A2A-2-15-	0A-3A.6950-104.3A2A-2-15-	0A-3A.6917-104.4A2A-2-15-	0A-3A.7233-104.4A3A-2-15-	0A-3A.6661-104.4A7A-2-15-	0A-3A.6517-104.4A4A-2-15-	0A-3A.6517-104.4A11-2-15-	0A-3A.5800-104.4A5A-2-15-	0A-3A.5644-104.6A2A-2-15-	0A-3A.5825-104.5A11-2-14-	0A-3A.5806-104.5A3A-2-14-	0A-3A.6372-104.5A17-2-15-	0A-3A.5939-104.2A3A-2-15-	0A-3A.5939-104.3A2A-2-15-	0A-3A.5944-104.3A6A-2-15-	0A-3A.7206-104.0A3A-2-15-	0A-3A.732A-104.0A5A-2-13-	0A-3A.6450-104.2A0A-2-15-	0A-3A.6828-104.2A17-2-15-	0A-3A.7125-104.2A4A-2-15-	0A-3A.7264-104.2A3A-2-15-	0A-3A.7111-104.2A8A-2-15-	0A-3A.7389-104.1A11-2-15-	0A-3A.7244-104.1A3A-2-15-	0A-3A.7097-104.1A9A-2-15-	0A-3A.8975-104.0A5A-2-15-	0A-3A.9592-104.0A4A-2-11-	0A-3A.9367-104.0A8A-2-11-	0A-3A.9294-104.0A1A-2-11-	0A-3A.9575-104.0A5A-2-12-	0A-3A.9031-104.0A1A-2-15-	0A-3A.9239-104.0A1A-2-15-	0A-3A.9736-104.0A4A-2-11-	0A-3A.9692-104.0A3A-2-15-	0A-3A.9842-104.0A1A-2-15-	0A-3A.6950-104.6A7A-2-15-	0A-3A.7375-104.6A5A-2-15-	0A-3A.6397-104.6A5A-2-12-	0A-3A.6039-104.6A9A-2-15-	0A-3A.5444-104.5A2A-2-13-	0A-3A.5436-104.5A4A-2-13-	0A-3A.5208-104.6A3A-2-15-	0A-3A.5797-104.5A7A-2-15-
						0-C20715-10/24/75-18-	1A-								10-2-1-4-A-	-1-	-1-2-3-2-	-3-																5.70																
						0-C20716-10/03/77-13-									11-6-	-4-A-	-1-	-2-2-2-1-	-1-														4.70																	
						0-C20717-10/03/77-13-									11-4-	-4-A-	-1-	-2-6-2-2-1-	-1-														3.20																	
						0-C20719-10/05/77-12-									9-4-	-3-A-	-1-	-3-6-3-2-3-	-1-														9.30																	
						0-C20720-10/05/77-12-									9-4-	-3-A-	-1-	-2-6-1-3-4-	-1-														5.20																	
						0-C20721-10/05/77-11-									11-4-	-5-A-	-1-	-2-6-1-2-4-	-1-														3.60																	
						0-C20722-10/05/77-11-									9-4-	-3-A-	-1-	-2-6-1-3-4-	-1-														4.80																	
						0-C20726-10/05/77-10-									15-4-	-3-A-	-1-	-2-6-2-2-4-	-1-														4.80																	
						0-C20728-09/30/77-16-									6-4-	-4-A-	-1-	-3-6-1-2-2-	-1-														4.70																	
						0-C20729-09/30/77-17-									9-4-	-4-1-	-1-	-2-6-2-2-3-	-1-														3.20																	
						0-C20730-10/01/77-9-									13-4-	-3-A-	-1-	-2-6-3-2-1-	-1-														5.20																	
						0-C20734-10/01/77-12-									4-4-	-4-1-	-1-	-6-1-2-1-	-1-														4.20																	
						0-C20737-10/01/77-14-									6-4-	-4-A-	-1-	-3-6-2-2-1-	-1-														11.50																	
						0-C20739-10/01/77-15-									4-4-	-5-A-	-1-	-3-6-3-2-1-	-1-														5.60																	
						0-C20743-10/12/77-15-									9-4-	-5-A-	-1-	-2-6-2-2-1-	-1-														5.70																	
						0-C20744-10/02/77-15-									9-4-	-4-A-	-1-	-3-6-3-2-1-	-1-														4.60																	
						0-C20745-10/03/77-10-									13-4-	-5-A-	-1-	-2-6-2-2-1-	-1-														6.80																	
						0-C20746-10/03/77-11-	27-21-A-						7.3-	300-	9-4-	-5-A-	-2-6-	-6-2-2-1-	-1-														3.60																	
						0-C20747-10/03/77-12-	27-22-A-						7.7-	105-	9-4-	-5-A-	-2-6-	-6-2-2-1-	-1-														5.20																	
						0-C20748-10/02/77-15-									22-4-		-1-	-2-6-2-2-1-	-1-														3.70																	
						0-C20750-09/22/77-10-									13-	-4-1-	-1-	-3-2-2-1-	-1-														3.30																	
						0-C20751-09/21/77-10-									13-4-	-4-A-		-6-3-2-1-																3.60																
						0-C20752-09/22/77-11-									13-4-	-4-A-	-1-	-2-6-3-2-1-	-1-															4.60																
						0-C20756-09/21/77-13-									13-4-	-4-A-		-6-3-2-3-																4.70																
						0-C20758-09/21/77-15-	26-22-I-					9.7-	200-		22-4-	-5-A-	-3-	-6-2-2-1-																4.60																
						0-C20763-09/29/77-13-									18-4-	-4-1-	-1-	-2-6-2-2-2-	-1-															7.70																
						0-C20765-09/29/77-13-									4-		-1-	-3-6-1-2-2-	-1-															4.60																
						0-C20767-09/29/77-14-									4-4-	-5-1-	-1-	-3-6-2-2-2-	-1-															4.20																
						0-C20768-09/29/77-14-									13-4-	-5-A-	-1-	-3-6-1-2-2-	-1-															5.20																
						0-C20770-09/29/77-14-									9-4-	-4-A-	-1-	-3-6-1-2-2-	-1-															5.00																
						0-C20773-09/17/77-14-	3A-								6-	-4-A-	-1-	-6-3-1-2-	-3-															3.60																
						0-C20774-09/17/77-13-	3A-								6-	-4-A-	-1-	-3-6-3-1-2-	-3-															4.70																
						0-C20775-09/17/77-13-	3A-								6-	-4-A-	-1-	-6-3-1-2-	-3-																4.00															
						0-C20776-09/05/77-9-	1A-								20-1-	-1-4-1-	-1-	-2-6-4-1-3-	-3-															11.20																
						0-C20778-09/05/77-11-	27-24-A-					5.9-	235-		6-1-	-1-4-1-	-2-5-	-6-4-2-1-	-3-															5.50																
						0-C20779-09/05/77-11-						19.0-C-	5.6-	500-	13-1-	-1-4-6-	-3-5-	-6-4-2-1-	-3-															15.10																
						0-C20780-09/05/77-12-	2A-20-A-					7.3-	230-		20-1-	-1-4-1-	-3-5-	-2-6-4-2-1-	-3-															13.10																
						0-C20781-09/05/77-13-	2A-21-A-C-					8.3-	200-		13-1-	-1-4-1-	-2-1-	-2-6-4-2-1-	-3-															18.20																
						0-C20782-09/05/77-13-	2A-20-A-C-					7.2-	365-		20-1-	-1-4-1-	-2-5-	-2-6-4-1-1-	-3-															10.30																
						0-C20785-09/05/77-14-	2A-								13-1-	-1-4-1-	-1-	-2-6-4-1-1-	-3-															10.30																
						0-C20788-09/05/77-16-	20-25-A-C-					6.5-	390-		13-1-	-1-4-1-	-2-5-	-6-4-1-1-	-3-															10.20																
						0-C20789-09/05/77-16-	20-								6-1-	-1-4-1-	-1-	-2-6-4-1-1-	-3-															5.40																
						0-C20790-09/05/77-16-	20-								6-	-4-1-	-1-	-2-6-4-1-1-	-3-																5.20															
						0-C20792-09/06/77-11-	32-								13-	-4-1-	-1-	-2-6-4-1-1-	-7-															3.70																
						0-C20793-09/07/77-8-	2A-								6-	-4-5-	-1-	-2-6-4-1-1-	-3-																3.30															
						0-C20798-09/07/77-11-	2A-17-A-C-					7.0-	1100-		13-		-5-5-2-2-1-	-2-6-4-1-1-	-3-																5.60															
						0-C20799-09/07/77-12-	3A-									-4-5-	-1-	-2-6-4-1-1-	-3-																4.70															
						0-C20803-09/15/77-10-	2A-14-A-C-					7.3-	300-		20-1-	-7-6-7-1-	-2-5-	-2-6-2-1-	-3-																5.20															
						0-C20804-09/15/77-11-	20-25-A-C-					5.9-	300-		6-1-	-7-5-7-1-	-2-5-	-2-6-4-3-1-	-2-																3.70															
						0-C20805-09/15/77-12-	31-								20-1-	-6-4-6-	-1-	-2-6-4-3-1-	-2-																4.70															
						0-C20806-09/16/77-8-	10-								13-1-	-5-4-1-	-1-	-2-6-4-3-1-	-3-																11.50															

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/cm)	SCINTILLOMETER (AU, 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																										
0A-3A	5906-104	4747-2-15				0-C20818-09/16/77-9	23								13-1-4-4-1	-1	-2-4-3-1-3	-3															4.70	
0A-3A	5800-104	4056-2-15				0-C20819-09/16/77-10	27								13-1-4-4-1	-1	-1-3-1-3	-3															5.00	
0A-3A	7078-104	2439-2-15				0-C20812-09/17/77-9	20								20-1-1-4-1	-1	-2-4-3-1-3	-3															9.20	
0A-3A	6389-104	1878-2-15				0-C20815-09/17/77-10	27								6-1-1-4-1	-1	-2-4-3-1-3	-3															4.20	
0A-3A	6572-104	2158-2-15				0-C20814-09/17/77-11	28								20-1-1-4-1	-1	-2-4-3-1-3	-3															3.70	
0A-3A	8422-104	9761-2-12				0-C20824-08/25/77-12	22	10.0					9.2	52	49-3-4-4-3-3-1	-2	-1-4-5-2	-1															46.20	
0A-3A	8133-104	1839-2-15				0-C20828-09/01/77-11	24								28-1-1-4-1	-1	-2-4-4-2-1	-3															4.20	
0A-3A	8575-104	1319-2-15				0-C20829-09/01/77-12	24								19-1-1-4-1	-1	-2-4-4-1-1	-3															7.20	
0A-3A	9397-104	1469-2-15				0-C20831-09/01/77-13	28								17-1-1-4-1	-1	-2-4-4-1-1	-3															9.70	
0A-3A	9758-104	1491-2-15				0-C20832-09/01/77-13	28								13-1-1-4-1	-1	-2-4-4-1-1	-3															8.00	
0A-3A	9339-104	2033-2-15				0-C20835-09/01/77-14	28								20-1-1-4-1	-1	-2-4-4-1-1	-3															10.20	
0A-3A	8400-104	2128-2-15				0-C20839-09/01/77-17	32								6-1-1-4-1	-1	-2-4-4-1-1	-3															5.80	
0A-3A	9175-104	3103-2-15				0-C20847-09/02/77-11	25								40-1-1-4-6	-1	-2-4-4-2-2	-3															5.40	
0A-3A	9850-104	2578-2-15				0-C20840-09/02/77-12	31								20-1-1-4-1	-1	-2-4-4-1-3	-3															10.50	
0A-3A	8911-104	1592-2-15				0-C20852-09/02/77-14	27								6-1-1-4-1	-1	-2-4-4-1-3	-3															7.50	
0A-3A	9781-104	2250-2-15				0-C20854-09/02/77-16	26								6-1-1-4-1	-1	-2-4-4-1-3	-3															11.20	
0A-3A	6433-104	9361-2-15				0-C20859-09/03/77-14	26								44-3-4-4-4	-1	-2-1-4-5-2	-1															8.70	
0A-3A	6450-104	9446-2-15				0-C20850-09/03/77-14	25								58-3-4-4-4	-1	-2-1-4-5-2	-2															49.20	
0A-3A	8408-104	0381-2-15				0-C20852-09/04/77-10	16								20-1-1-4-1	-1	-2-4-4-1-4	-3															7.00	
0A-3A	8433-104	0014-2-15				0-C20853-09/04/77-10	16								13-1-1-4-1	-1	-2-4-4-1-3	-3															16.70	
0A-3A	8136-104	0475-2-15				0-C20855-09/04/77-11	16								13-1-1-4-1	-1	-2-4-4-1-3	-3															4.00	
0A-3A	8078-104	0098-2-15				0-C20856-09/04/77-11	20								13-1-1-4-1	-1	-2-4-4-1-4	-3															5.20	
0A-3A	7906-104	0553-2-15				0-C20867-09/04/77-13	21								13-1-1-4-1	-1	-2-4-4-1-3	-3															26.70	
0A-3A	7514-104	0403-2-15				0-C20870-09/04/77-14	24								20-1-1-4-1	-1	-2-4-4-1-3	-3															13.10	
0A-3A	8222-104	6069-2-15				0-C20874-07/27/77-11	25								23-1-4-6	-1	-2-4-3-2-1	-3															4.40	
0A-3A	8456-104	5361-2-15				0-C20876-07/27/77-12	28								11-1-4-6	-1	-2-4-4-2-1	-3															5.20	
0A-3A	8150-104	5478-2-15				0-C20879-07/27/77-14	21								23-1-4-6	-1	-2-4-3-2-4	-3															3.20	
0A-3A	7594-104	5853-2-15				0-C20882-07/27/77-16	25								17-1-4-6	-1	-2-4-3-2-3	-3															4.50	
0A-3A	7631-104	6236-2-15				0-C20883-07/27/77-16	25								11-1-4-6	-1	-2-4-3-2-3	-3															3.40	
0A-3A	7881-104	7454-2-15				0-C20884-07/28/77-9	23								11-1-4-6	-1	-2-4-3-2-1	-7															4.70	
0A-3A	7233-104	7094-2-15				0-C20888-08/05/77-10	20								23-1-7-4-6	-1	-2-1-3-4-2	-1															12.20	
0A-3A	7467-104	7561-2-15				0-C20899-08/05/77-11	31								17-1-1-5-6	-1	-2-4-2-3-2	-1															4.50	
0A-3A	6675-104	7867-2-15				0-C20891-08/05/77-13	28								34-1-1-4-6	-1	-2-4-3-3-3	-1															7.20	
0A-3A	6256-104	7794-2-15				0-C20892-08/05/77-15	32								17-1-1-4-6	-1	-2-3-2-3-2	-1															5.10	
0A-3A	4561-104	7422-2-15				0-C20893-08/05/77-16	30								23-1-1-4-6	-1	-2-3-3-3-2	-1															3.20	
0A-3A	4292-104	7717-2-15				0-C20894-08/05/77-15	35								11-1-1-4-1	-1	-2-3-3-3-2	-1															4.40	
0A-3A	4006-104	7469-2-15				0-C20895-08/05/77-15	30								11-1-1-4-7	-1	-2-3-3-3-3	-1															3.00	
0A-3A	6567-104	8494-2-12				0-C20897-08/06/77-10	26	24.2					5.0	420	23-1-1-5-6-2-2-1	-2	-4-3-3-1	-1															4.20	
0A-3A	5561-104	9417-2-15				0-C20901-08/06/77-13	35								11-1-4-4-6	-1	-2-3-3-3-2	-1															3.20	
0A-3A	5228-104	9478-2-15				0-C20912-08/06/77-14	36								11-1-1-4-7	-1	-2-3-3-4-2	-1															2.20	
0A-3A	4833-104	9408-2-15				0-C20913-08/06/77-14	39								17-2-7-4-6	-1	-2-3-3-4-2	-1															4.20	
0A-3A	6028-104	9475-2-15				0-C20914-08/06/77-15	35								17-1-7-4-6	-1	-2-3-4-3-2	-1															5.30	
0A-3A	5883-104	9267-2-15				0-C20915-08/06/77-16	36								52-1-4-4-6	-1	-2-3-3-3-2	-1															7.30	
0A-3A	8300-104	3939-2-15				0-C20917-08/07/77-12	33								11-1-1-4-6	-1	-2-4-3-2-1	-1															4.70	
0A-3A	7814-104	3756-2-15				0-C20919-08/07/77-14	35								11-1-1-4-6	-1	-2-4-3-2-1	-1															5.20	
0A-3A	5317-104	7722-2-15				0-C20911-08/08/77-10	33								34-1-1-4-6	-1	-2-3-2-3-2	-1															7.10	
0A-3A	5172-104	8194-2-15				0-C20912-08/08/77-11	33								17-1-7-4-6	-1	-2-3-2-3-2	-1															5.40	
0A-3A	5122-104	8459-2-15				0-C20913-08/08/77-11	35								23-1-7-4-6	-1	-2-3-2-3-2	-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	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																										
0A-3A	4578-104	8178-2-15				0-C20919-08/09/77-11	32									11-1-7-4-6	-1	-2-3-2-4-1	-1														4.50	
0A-3A	4556-104	8150-2-15				0-C20921-08/09/77-13	34									22-1-1-4-6	-1	-2-3-2-3-1	-1														4.50	
0A-3A	4317-104	8357-2-15				0-C20922-08/09/77-13	34									22-1-7-4-6	-1	-2-3-2-3-1	-1														4.50	
0A-3A	4167-104	8472-2-15				0-C20923-08/09/77-14	34									17-1-7-4-7	-1	-2-4-3-2-1	-1														4.50	
0A-3A	4500-104	8050-2-15				0-C20924-08/09/77-16	32									28-1-1-4-6	-1	-2-3-3-3-2	-1														3.50	
0A-3A	6967-104	7830-2-15				0-C20927-08/10/77-9	25									17-1-7-4-6	-1	-2-4-3-3-1	-1														2.20	
0A-3A	6583-104	8056-2-15				0-C20928-08/10/77-9	25									20-1-7-4-7	-1	-2-4-3-3-1	-1														8.50	
0A-3A	6089-104	8150-2-15				0-C20929-08/10/77-10	27									17-1-1-4-7	-1	-2-3-2-3-1	-1														9.20	
0A-3A	5161-104	7490-2-15				0-C20930-08/11/77-10	20									17-1-7-4-6	-1	-2-4-2-3-2	-1														6.10	
0A-3A	4597-104	7756-2-15				0-C20931-08/11/77-11	19									17-1-7-4-6	-1	-2-4-3-3-2	-1														4.50	
0A-3A	5931-104	8728-2-15				0-C20932-08/11/77-12	21									11-1-7-4-6	-1	-2-3-3-3-2	-1														3.50	
0A-3A	5375-104	8014-2-15				0-C20933-08/11/77-12	21									22-1-6-4-6	-1	-2-6-3-3-2	-1														2.00	
0A-3A	8189-104	8956-2-12				0-C20935-08/19/77-8	19	15	0-C	5.1			155			11-1-6-3-4-2-3-1	-2-2-4-4-2	-1															24.50	
0A-3A	7861-104	8139-2-12				0-C20936-08/19/77-9	18	14	5-C	5.9			50			69-3-4-3-4-3-3-1	-2-1-4-5-2	-1															53.50	
0A-3A	7850-104	8056-2-12				0-C20937-08/19/77-9	21	12	0-C	5.5			60			57-3-7-4-4-3-3-1	-2-1-4-5-2	-1															52.50	
0A-3A	8094-104	8044-2-12				0-C20938-08/19/77-10	19	14	0-C	5.9			73			69-3-6-4-4-3-3-1	-2-1-3-5-2	-1															57.50	
0A-3A	8494-104	8093-2-15				0-C20939-08/19/77-11	22									46-1-6-4-6	-1	-2-3-3-5-2	-9														12.50	
0A-3A	7417-104	8550-2-12				0-C20941-08/20/77-11	20	10	0-C	8.5			49			52-3-6-4-4-3-2-1	-2-1-4-5-2	-1															58.50	
0A-3A	7356-104	8861-2-12				0-C20942-08/23/77-11	16	8	0-C	9.1			49			81-3-4-4-4-3-2-1	-2-1-4-5-2	-1															41.50	
0A-3A	7128-104	8278-2-12				0-C20945-08/23/77-16	21	11	0-C	7.1			50			34-3-6-3-4-3-2-1	-2-1-4-5-4	-1															66.50	
0A-3A	6706-104	8194-2-12				0-C20946-08/23/77-11	22	14	0-C	5.5			151			27-3-4-4-6-3-2-1	-2-1-4-5-1	-8															10.50	
0A-3A	8542-104	8833-2-12				0-C20952-08/22/77-13	27									28-1-6-4-6-1	-2-5-2-4-3-1-1	-3															9.70	
0A-3A	8994-104	8589-2-15				0-C20955-08/22/77-14	30									28-1-6-4-6	-1	-4-3-2-1	-3														4.50	
0A-3A	8258-104	8428-2-15				0-C20956-08/23/77-10	25									12-1-1-4-1	-1	-2-4-4-1-2	-3														11.50	
0A-3A	9547-104	8436-2-12				0-C20959-08/23/77-11	30									17-1-1-6-7-1	-1-5-2-6-4-1-2	-3															5.50	
0A-3A	9797-104	8661-2-15				0-C20960-08/23/77-12	30									12-1-1-4-1	-1	-2-4-4-1-2	-3															13.50
0A-3A	8006-104	8094-2-11				0-C20965-08/23/77-15	32									11-1-6-4-6	-1	-2-4-4-1-2	-3														4.50	
0A-3A	7681-104	1578-2-15				0-C20967-08/23/77-1	36									12-1-6-6-8	-1	-2-4-4-1-2	-3														5.50	
0A-3A	8244-104	8722-2-12				0-C20968-08/25/77-11	20	8	5-C	10.0			50			81-3-4-4-4-3-3-1	-2-1-4-5-2	-1															226.50	
0A-3A	8617-104	8611-2-12				0-C20970-07/07/77-16	29	25	5-C	5.7			750			12-1-1-4-1	-1-2-1-2-4-3-4-2	-3															5.50	
0A-3A	8400-104	7144-2-15				0-C20971-07/07/77-17	30									20-1-1-4-1	-1	-2-4-4-3-2	-8														4.50	
0A-3A	8567-104	8364-2-12				0-C20972-07/08/77-9	18	15	0-C	7.4			490			14-1-6-5-6-3-4-3	-2-2-3-3-2	-7															4.00	
0A-3A	8206-104	8672-2-12				0-C20973-07/09/77-9	19	17	8-C	7.4			510			52-1-6-6-6-3-3-1	-2-2-3-3-1	-3															7.50	
0A-3A	7617-104	8344-2-15				0-C20974-07/09/77-11	22									28-1-6-1-4	-1	-2-1-4-4-1	-1														16.50	
0A-3A	7811-104	8250-2-12				0-C20975-07/09/77-12	25	10	5	7.4			235			17-1-6-6-6-2-3-3	-2-3-3-3-1	-7															13.50	
0A-3A	7878-104	7994-2-12				0-C20976-07/09/77-13	27	20	6-C	7.5			1090			22-1-6-5-6-2-2-1	-2-4-4-3-2	-7															50.50	
0A-3A	8106-104	7933-2-12				0-C20977-07/09/77-14	27	20	5-C	7.8			550			57-1-1-4-1-3-2-1	-2-2-3-3-2	-7															4.50	
0A-3A	8997-104	7819-2-15				0-C20978-07/09/77-17	20									22-1-1-4-1	-1	-2-1-3-4-3	-7														2.40	
0A-3A	9489-104	8858-2-15				0-C20979-07/09/77-10	20									20-3-4-4-4	-1	-2-2-4-4-2	-1														17.10	
0A-3A	9228-104	8861-2-15				0-C20980-07/09/77-13	22	10	5-C	7.1			120			24-3-4-4-4	-1	-2-1-4-4-4	-1														52.40	
0A-3A	9483-104	8597-2-15				0-C20981-07/09/77-14	24									22-1-1-4-1	-1	-2-1-3-4-4	-1														3.60	
0A-3A	9761-104	7978-2-12				0-C20982-07/09/77-15	25	22	9-C	5.9			390			28-1-6-4-1	-1-1-4-2-2-3-3-2	-7															6.40	
0A-3A	9167-104	8097-2-15				0-C20987-07/10/77-14	27									11-1-1-4-1	-1	-2-2-3-4-1	-7														5.50	
0A-3A	9161-104	8269-2-15				0-C20988-07/10/77-15	20									17-1-7-4-7	-1	-2-4-3-3-2	-7														2.40	
0A-3A	8811-104	8531-2-15				0-C20989-07/11/77-14	26									28-1-6-4-4	-1	-2-4-4-3-2	-7														5.50	
0A-3A	8917-104	8856-2-15				0-C20990-07/11/77-17	26									28-1-6-4-4	-1	-2-1-4-4-2	-1														11.10	
0A-00	0000-00	0000-2-15				0-C2																												

[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		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLAMETER (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																										
0A-3A.1372-104	A256-2-15	0-C21093-07/12/77-15													11-1-1-3-7	-1	-2-4-1-3-2	-1														4.30		
0A-3A.1367-104	A222-2-15	0-C21094-07/12/77-15													6-1-1-3-1	-1	-2-4-2-3-2	-1															3.60	
0A-3A.1600-104	A356-2-15	0-C21095-07/12/77-16													9-1-7-4	-1	-2-3-2-2-2	-1															3.60	
0A-3A.1583-104	A789-2-15	0-C21096-07/12/77-17													22-1-7-3-7	-1	-2-4-2-3-2	-1															5.60	
0A-3A.0311-104	A417-2-15	0-C21099-07/13/77-11													11-1-1-4-6	-1	-2-4-2-2-1	-3															3.60	
0A-3A.0094-104	A086-2-12	0-C21100-07/13/77-14						3A-2A.5				7.8	950		11-1-7-3-6	-2	-2-4-2-3-2	-1															11.90	
0A-3A.0122-104	A456-2-15	0-C21101-07/13/77-14													20-1-7-4-6	-1	-2-4-2-3-2	-1															3.60	
0A-3A.0589-104	A297-2-15	0-C21102-07/13/77-15													9-1-7-4-6	-1	-2-4-2-2-3	-1															3.40	
0A-3A.0667-104	A747-2-12	0-C21103-07/13/77-16						3A-2A.9				7.0	4790		24-1-7-5-6	-1	-2-4-2-3-2	-1															7.20	
0A-3A.1106-104	A469-2-15	0-C21104-07/14/77-16													15-1-7-4-6	-1	-2-4-2-3-2	-1															4.60	
0A-3A.0767-104	A467-2-15	0-C21105-07/13/77-16													9-1-7-5-1	-1	-2-4-2-2-2	-1															5.20	
0A-3A.0961-104	A722A-2-15	0-C21106-07/14/77-10													9-1-7-3-7	-1	-2-4-3-3-2	-1															6.20	
0A-3A.0897-104	A252A-2-15	0-C21108A-07/14/77-14													9-1-7-3-7	-1	-6-2-2-2	-1															4.50	
0A-3A.0717-104	A7047-2-15	0-C21109-07/14/77-15													9-1-7-4-6	-1	-2-4-1-2-2	-1															3.10	
0A-3A.2378-104	A779A-2-15	0-C21110-07/21/77-13													9-1-7-5-6	-1	-2-4-2-1-4	-7															4.20	
0A-3A.2144-104	A693A-2-15	0-C21111-07/21/77-13													15-1-7-4-6	-1	-2-4-1-1-3	-1															3.20	
0A-3A.2389-104	A603A-2-15	0-C21112-07/21/77-13													9-1-7	-1	-2-4-1-1-3	-1															3.60	
0A-3A.1900-104	A744-2-15	0-C21113-07/21/77-14													6-4	-5-6	-1	-3-4-2-1-6	-1														3.20	
0A-3A.1203-104	A847-2-15	0-C21114-07/21/77-15													9-1-7-5-6	-1	-2-3-3-3-3	-9															5.10	
0A-3A.1111-104	A770A-2-15	0-C21115-07/21/77-17													9-1-7-5-6	-1	-2-4-2-3-3	-9															3.30	
0A-3A.2344-104	A928A-2-12	0-C21116-07/22/77-10						27-2A.2				9.0	710		11-1-7-4-4	-3	-6-2-4-3-3	-3															5.80	
0A-3A.1900-104	A719-2-15	0-C21117-07/23/77-10													9-4	-4-6	-1	-3-4-2-1-1	-1														3.20	
0A-3A.1589-104	A656A-2-12	0-C21118A-07/23/77-10						2A							22-1-7-5-6	-5	-2-4-1-2-1	-9															4.20	
0A-3A.0517-104	A389-2-15	0-C21121-07/23/77-15													11-1-7-5-6	-1	-2-4-1-2-1	-1															4.50	
0A-3A.0817-104	A575-2-15	0-C21122-07/23/77-13													4-1-7-5-6	-1	-2-4-1-1-1	-1															3.30	
0A-3A.0533-104	A728A-2-15	0-C21124-07/23/77-16													9-1-7-5-6	-1	-2-2-2-2-6	-1															3.20	
0A-3A.3489-104	A311-2-15	0-C21126-07/24/77-13													9-4	-5-6	-1	-2-4-2-1-2	-4														4.60	
0A-3A.3622-104	A227-2-15	0-C21127-07/24/77-13													9-4	-5-6	-1	-2-4-2-1-2	-1														5.30	
0A-3A.4189-104	A117-2-15	0-C21128A-07/24/77-13													9-1-7-4-6	-1	-2-4-2-2-2	-1															5.10	
0A-3A.4478-104	A094-2-15	0-C21129-07/24/77-13													13-1-4-4-6	-2	-2-4-2-2-2	-1															7.60	
0A-3A.4389-104	A594-2-12	0-C21132-07/24/77-15						3A-2A.0				9.0	618		13-4	-5-6	-1	-2-4-2-1-2	-1														4.60	
0A-3A.4000-104	A956-2-15	0-C21133-07/24/77-15													9-4	-4-7	-1	-2-3-2-2-2	-1														7.40	
0A-3A.3956-104	A981-2-15	0-C21134-07/24/77-15													9-4	-4-6	-1	-2-4-2-1-2	-1														3.60	
0A-3A.3806-104	A000-2-15	0-C21135-07/24/77-15													9-4	-4-7	-1	-2-3-2-2-2	-1														5.60	
0A-3A.3633-104	A058A-2-15	0-C21136A-07/24/77-15													4-4	-4-7	-1	-2-4-2-1-2	-1														6.20	
0A-3A.3450-104	A061-2-15	0-C21137-07/24/77-16													9-4	-4-7	-1	-2-3-2-2-2	-1														4.30	
0A-3A.3261-104	A983-2-15	0-C21138A-07/24/77-16													6-4	-4-6	-1	-2-3-2-1-2	-1														3.80	
0A-3A.2856-104	A494-2-15	0-C21140-07/24/77-17													-1-9-4-7	-1	-2-3-1-2-4	-7															4.30	
0A-3A.2600-104	A328A-2-15	0-C21141-07/25/77-15													9-1-7-4-6	-1	-3-4-3-2-3	-1															4.20	
0A-3A.2578-104	A083-2-15	0-C21143-07/25/77-16													6-1-2-3-7	-1	-2-4-2-3-3	-1															5.10	
0A-3A.2550-104	A900-2-12	0-C21144-07/25/77-16													9-1-7-4-6	-1	-2-4-3-3-3	-7															5.70	
0A-3A.2789-104	A750-2-15	0-C21145-07/25/77-17													6-1-7-4-6	-1	-2-4-2-2-3	-7															4.60	
0A-3A.2883-104	A428A-2-15	0-C21146-07/25/77-17													9-1-7-5-6	-1	-2-3-2-2-3	-1															9.50	
0A-3A.3511-104	A750-2-15	0-C21147-07/25/77-17													9-4	-4-4	-1	-2-4-2-2-4	-1														4.80	
0A-3A.2664-104	A000-2-15	0-C21148A-07/26/77-10													-1-7-5-6	-1	-3-4-3-3-3	-1															5.90	
0A-3A.2722-104	A200-2-15	0-C21149-07/26/77-10													2-1-8-5-6	-1	-2-4-2-3-3	-8															6.00	
0A-3A.2783-104	A710-2-15	0-C21150-07/26/77-11													6-1-7-5-6	-1	-2-3-3-3-3	-9															4.30	
0A-3A.3044-104	A425-2-12	0-C21151-07/26/77-11						27-2A.3				7.4	33500		6-1-7-4-6	-2	-3-4-3-2-3	-7															5.30	
0A-3A.2867-104	A547-2-15	0-C21152-07/26/77-12													0-1-7-4-4	-1	-3-4-3-2-2	-1															5.20	
0A-3A.3178-104	A483-2-15	0-C21153-07/26/77-12													9-4	-4-6	-1	-2-3-3-2-2	-7														5.70	
0A-3A.3217-104	A500-2-15	0-C21154-07/26/77-14													20-1-7-5-6	-1	-2-3-2-2-2	-1															8.10	

DOE SAMPLE NUMBER						LAST SAMPLE LOCATION NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	PERICLITE	LAST SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (cu. ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
0A-3A.3578-104.6997-2-15	0-C21155-07/26/77-16	-	-	-	-	-	-	-	-	-	-	-	-	-	22-1-7-5-6	-1	-2-6-2-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
0A-3A.3800-104.6311-2-15	0-C21156-07/26/77-17	-	-	-	-	-	-	-	-	-	-	-	-	-	15-6-4-6-6	-1	-2-6-2-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	6.20		
0A-3A.3756-104.6450-2-15	0-C21157-07/26/77-18	-	-	-	-	-	-	-	-	-	-	-	-	-	9-4-4-6-6	-1	-2-5-1-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30		
0A-3A.3758-104.6954-2-15	0-C21158-07/26/77-18	-	-	-	-	-	-	-	-	-	-	-	-	-	6-1-1-5-6	-1	-2-6-2-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	8.50		
0A-3A.2761-104.5333-2-15	0-C21159-07/27/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	18-4-3-7-1	-1	-2-6-2-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40		
0A-3A.0431-104.5872-2-15	0-C21160-08/04/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	11-1-1-5-6	-1	-2-6-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70		
0A-3A.1158-104.5872-2-15	0-C21162-08/04/77-11	-	-	-	-	-	-	-	-	-	-	-	-	-	11-4-5-6-1	-1	-2-6-2-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80		
0A-3A.1183-104.5000-2-15	0-C21163-08/04/77-11	-	-	-	-	-	-	-	-	-	-	-	-	-	6-1-7-3-6	-1	-2-6-2-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30		
0A-3A.1628-104.5944-2-15	0-C21165-08/04/77-12	-	-	-	-	-	-	-	-	-	-	-	-	-	13-1-7-4-1	-1	-2-6-1-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	9.20		
0A-3A.1733-104.5633-2-12	0-C21166-08/04/77-12	34-27.2-C	-	-	-	-	-	-	-	-	-	-	7.3-30000	-	6-1-7-6-6-2-3-3	-2-3-3	-2-6-2-2-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	9.20		
0A-3A.1772-104.5461-2-15	0-C21167-08/04/77-12	-	-	-	-	-	-	-	-	-	-	-	-	-	4-4-4-6-1	-1	-2-6-2-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.70		
0A-3A.1844-104.5897-2-15	0-C21171-08/04/77-14	-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-7-4-6	-1	-2-6-2-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	7.80		
0A-3A.2289-104.5450-2-15	0-C21172-08/04/77-15	-	-	-	-	-	-	-	-	-	-	-	-	-	9-4-4-6-1	-1	-1-6-2-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.80		
0A-3A.2061-104.4378-2-97	0-C21173-08/04/77-18	-	-	-	-	-	-	-	-	-	-	-	-	-	6-4-5-6-1	-1	-6-2-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.70		
0A-3A.1700-104.4422-2-15	0-C21174-08/04/77-18	-	-	-	-	-	-	-	-	-	-	-	-	-	6-4-5-6-1	-1	-3-6-2-2-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70		
0A-3A.1744-104.4572-2-15	0-C21175-08/04/77-18	-	-	-	-	-	-	-	-	-	-	-	-	-	4-4-5-6-1	-1	-3-6-3-2-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30		
0A-3A.1544-104.4254-2-15	0-C21176-08/04/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	9-4-4-6-1	-1	-2-6-3-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	7.10		
0A-3A.1475-104.4050-2-14	0-C21177-08/05/77-11	27	-	-	-	-	-	-	-	-	-	-	9.0-2890	-	6-4-5-6-1	-1	-6-5-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	9.20		
0A-3A.2261-104.4047-2-12	0-C21178-08/05/77-11	30-24.3-C	-	-	-	-	-	-	-	-	-	-	7.9-2750	-	9-4-6-8-2-3-2	-2-3-2	-3-6-2-2-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	8.30		
0A-3A.1294-104.5117-2-97	0-C21186-08/04/77-8	-	-	-	-	-	-	-	-	-	-	-	-	-	9-6-5-6-1	-1	-3-3-2-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70		
0A-3A.0822-104.5667-2-15	0-C21189-08/06/77-9	-	-	-	-	-	-	-	-	-	-	-	-	-	13-4-5-6-1	-1	-6-2-1-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
0A-3A.0839-104.5696-2-15	0-C21190-08/06/77-9	-	-	-	-	-	-	-	-	-	-	-	-	-	11-1-7-5-6	-1	-2-6-2-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
0A-3A.0894-104.5622-2-15	0-C21193-08/06/77-9	-	-	-	-	-	-	-	-	-	-	-	-	-	13-4-5-6-1	-1	-3-6-2-1-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60		
0A-3A.0556-104.5461-2-15	0-C21192-08/06/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	6-4-5-6-1	-1	-3-6-2-1-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
0A-3A.0594-104.5108-2-15	0-C21193-08/06/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	13-4-4-6-1	-1	-2-6-2-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60		
0A-3A.0239-104.5054-2-15	0-C21195-08/06/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	11-1-7-3-7	-1	-2-6-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30		
0A-3A.0028-104.5499-2-15	0-C21197-08/06/77-12	-	-	-	-	-	-	-	-	-	-	-	-	-	6-1-1-3-6	-1	-2-3-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.80		
0A-3A.0161-104.6353-2-15	0-C21198-08/06/77-13	-	-	-	-	-	-	-	-	-	-	-	-	-	-1-7-3-7	-1	-2-3-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
0A-3A.0172-104.6361-2-15	0-C21199-08/06/77-13	-	-	-	-	-	-	-	-	-	-	-	-	-	6-1-7-3-7	-1	-2-6-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
0A-3A.0183-104.7306-2-15	0-C21201-08/06/77-14	-	-	-	-	-	-	-	-	-	-	-	-	-	11-1-7-4-7	-1	-2-3-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
0A-3A.0444-104.7222-2-15	0-C21202-08/06/77-15	-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-7-4-7	-1	-2-3-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.60		
0A-3A.1111-104.6939-2-15	0-C21203-08/06/77-15	-	-	-	-	-	-	-	-	-	-	-	-	-	6-1-7-4-6	-1	-2-2-3-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50		
0A-3A.1678-104.3050-2-15	0-C21204-08/07/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	13-4-4-6-1	-1	-2-6-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	6.80		
0A-3A.1611-104.3122-2-15	0-C21205-08/07/77-11	-	-	-	-	-	-	-	-	-	-	-	-	-	11-4-4-6-1	-1	-3-6-2-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
0A-3A.1456-104.3267-2-15	0-C21206-08/07/77-11	-	-	-	-	-	-	-	-	-	-	-	-	-	6-4-4-6-1	-1	-2-6-2-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
0A-3A.1694-104.2078-2-15	0-C21208-08/07/77-13	-	-	-	-	-	-	-	-	-	-	-	-	-	18-4-4-6-1	-1	-2-6-2-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
0A-3A.1483-104.1672-2-97	0-C21211-08/07/77-16	-	-	-	-	-	-	-	-	-	-	-	-	-	4-4-5-6-1	-1	-6-1-1-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
0A-3A.2783-104.4414-2-15	0-C21213-08/08/77-11	-	-	-	-	-	-	-	-	-	-	-	-	-	13-4-5-6-1	-1	-3-6-2-1-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
0A-3A.2478-104.7404-2-15	0-C21214-08/08/77-15	-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-7-2-6	-1	-2-6-2-3-6	-7	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60		
0A-3A.2178-104.7433-2-12	0-C21215-08/08/77-16	32-22.0	-	-	-	-	-	-	-	-	-	-	7.9-4650	-	13-1-1-1	-1	-6-4-2-2-2-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	13.60		
0A-3A.2094-104.7911-2-12	0-C21216-08/08/77-17	36-26.3	-	-	-	-	-	-	-	-	-	-	8.3-1710	-	4-1-7-4-7-3-6-1	-1-2-2-2-3-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
0A-3A.1967-104.8297-2-15	0-C21218-08/08/77-18	-	-	-	-	-	-	-	-	-	-	-	-	-	9-1-1-3-1	-1	-2-3-3-4-6	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
0A-3A.2989-104.6944-2-15	0-C21219-08/10/77-9	-	-	-	-	-	-	-	-	-	-	-	-	-	18-1-7-4-6	-1	-2-6-2-2-2	-7	-	-	-	-	-	-	-	-	-	-	-	-	-	7.30		
0A-3A.3228-104.7050-2-15	0-C21220-08/10/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	4-1-7-3-6	-1	-2-6-2-1-2	-7	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
0A-3A.3339-104.8199-2-15	0-C21221-08/10/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	11-4-4-6-1	-1	-2-6-2-2-2	-7	-	-	-	-	-	-	-	-	-	-	-	-	-	5.70		
0A-3A.3389-104.8400-2-15	0-C21222-08/10/77-10	-	-	-	-	-	-	-	-	-	-	-	-	-	13-1-7-3-6	-1	-2-6-2-2-2	-7	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
0A-3A.3119-104.8222-2-12	0-C21223-08/10/77-10	37-24.3	-	-	-	-	-	-	-	-	-	-	7.4-1670	-	4-1-7-4-6-7-3-1	-2-3-2-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.20		
0A-3A.3028-104.8611-2-15	0-C21224-08/10/77-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-1-7-4-6	-1	-2-6-3-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
0A-3A.3456-104.9172-2-15	0-C21225-08/10/77-	-	-	-	-	-	-	-	-	-	-	-	-	-	6-1-7-2-6	-1	-2-6-2-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30		
0A-3A.3650-104.9133-2-15	0-C21227-08/10/77-14	-	-	-	-	-	-	-	-	-	-	-	-	-	15-4-4-6-1	-1	-3-6-3-2-3	-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 (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																										
0A-3A	44°44'	104°00'00"	000A-2-15-			0-C21232-0A/11/77-15-									12-1-7-4-4-	1-	2-4-2-3-3-	1-															6.00	
0A-3A	44°22'	104°00'00"	000A-2-15-			0-C21233-0A/11/77-15-									2A-1-7-5-5-	1-	2-4-2-3-3-	1-															6.70	
0A-3A	1861-104	1150-2-15-				0-C21240-0A/19/77-14-									12-4-5-5-	1-	2-4-2-2-2-	1-															4.30	
0A-3A	172A-104	0022-2-15-				0-C21241-0A/19/77-15-									6-4-4-4-	1-	2-2-2-3-2-	1-															10.30	
0A-3A	232A-104	0056-2-13-				0-C21250-0A/19/77-16-			2A-22.4-C			8.6	710-		6-4-5-5-	3-4-	4-2-2-4-	1-															3.50	
0A-3A	2744-104	0093-2-97-				0-C21251-0A/19/77-16-									6-4-4-4-	1-	4-2-2-4-	1-															3.70	
0A-3A	2100-104	119A-2-15-				0-C21253-0A/19/77-17-									1A-4-4-7-	1-	2-4-2-2-4-	1-															7.20	
0A-3A	3822-104	0772-2-13-				0-C21256-0A/20/77-12-			30-20.6-C			7.1	305-		9-4-4-4-	4-3-	4-2-2-2-	3-															5.00	
0A-3A	3656-104	050A-2-13-				0-C21257-0A/20/77-15-			27-25.3-			7.3	2270-		9-6-4-4-	1-3-	4-2-2-1-	1-																11.90
0A-3A	3361-104	0397-2-14-				0-C21259-0A/20/77-16-			32-2A.9-			7.5	740-		11-4-4-4-	1-	4-2-2-1-	2-3-															4.20	
0A-3A	4150-104	100A-2-96-				0-C21260-0A/20/77-17-									6-4-4-4-	1-	4-2-2-1-	2-1-															4.40	
0A-3A	0544-104	0211-2-15-				0-C21262-0A/21/77-9-									12-4-5-5-	1-	3-4-3-2-1-	1-															5.70	
0A-3A	0250-104	0211-2-15-				0-C21265-0A/21/77-10-									15-4-4-4-	1-	3-4-3-2-1-	1-															4.20	
0A-3A	0194-104	1353-2-15-				0-C21266-0A/21/77-11-									12-4-4-4-	1-	3-4-3-1-2-	1-															4.50	
0A-3A	0239-104	1230-2-15-				0-C21267-0A/21/77-12-									12-4-4-4-	1-	4-2-2-1-	1-															4.70	
0A-3A	0661-104	1276-2-15-				0-C21269-0A/21/77-12-									22-4-5-5-	1-	3-4-3-1-2-	1-															4.50	
0A-3A	0772-104	0030-2-15-				0-C21270-0A/21/77-13-									11-4-5-5-	1-	3-4-3-2-2-	1-															4.30	
0A-3A	0389-104	0411-2-15-				0-C21271-0A/21/77-14-									1A-4-4-4-	1-	3-4-3-1-2-	1-															4.30	
0A-3A	0461-104	1733-2-15-				0-C21272-0A/21/77-15-									12-4-4-4-	1-	3-4-2-2-1-1-	1-															11.20	
0A-3A	0139-104	2250-2-15-				0-C21274-0A/21/77-16-									12-4-4-4-	1-	3-4-2-2-2-3-	1-															4.20	
0A-3A	0511-104	2233-2-15-				0-C21276-0A/22/77-9-									4-4-5-5-	1-	3-4-3-2-1-	1-															5.20	
0A-3A	082A-104	2180-2-15-				0-C21277-0A/22/77-10-									11-4-5-5-	1-	1-4-3-2-2-	1-															4.20	
0A-3A	1067-104	1272-2-15-				0-C21281-0A/22/77-14-									4-4-5-5-	1-	3-4-2-1-2-	1-															3.90	
0A-3A	1122-104	1193-2-97-				0-C21282-0A/22/77-14-									4-4-5-5-	1-	4-2-2-2-	1-															4.20	
0A-3A	4211-104	0056-2-96-				0-C21288-0A/23/77-10-									6-4-4-4-	1-	7-3-1-3-	3-															5.10	
0A-3A	467A-104	0272-2-13-				0-C21291-0A/23/77-12-			20-20.0-C				252-		1A-4-5-5-	6-3-	4-2-2-2-	1-															6.70	
0A-3A	4572-104	0250-2-13-				0-C21292-0A/23/77-15-							109-		6-4-5-5-	4-	4-2-2-2-	1-															7.10	
0A-3A	4767-104	1147-2-97-				0-C21294-0A/23/77-16-									9-4-5-5-	1-	4-2-2-1-	1-															6.40	
0A-3A	4900-104	1893-2-14-				0-C21298-0A/24/77-10-			20-26.9-C			7.0	189-		4-4-5-5-	3-3-	4-2-2-1-	1-															3.60	
0A-3A	4922-104	1500-2-96-				0-C21299-0A/24/77-11-									9-4-4-4-	1-	4-2-2-1-	2-3-															4.70	
0A-3A	4067-104	1451-2-15-				0-C21302-0A/24/77-14-									11-4-5-5-	1-	3-4-2-2-1-1-	3-															4.70	
0A-3A	2867-104	2250-2-15-				0-C21304-0A/25/77-10-									6-4-4-4-	1-	4-2-2-1-	1-															3.00	
0A-3A	2494-104	2400-2-15-				0-C21305-0A/25/77-10-									9-4-4-4-	1-	2-4-2-1-1-	1-															15.00	
0A-3A	2656-104	2250-2-14-				0-C21306-0A/25/77-10-			32-25.9-			7.2	211-		4-4-5-5-	3-	4-1-1-1-	1-															7.20	
0A-3A	2689-104	2230-2-15-				0-C21307-0A/25/77-10-									9-4-5-5-	1-	2-4-2-1-2-	1-															3.60	
0A-3A	2911-104	2111-2-15-				0-C21308-0A/25/77-11-									9-4-5-5-	1-	2-4-2-2-2-	1-															4.30	
0A-3A	5064-104	307A-2-15-				0-C21309-0A/01/77-14-									6-4-4-4-	1-	3-4-2-2-1-1-	1-															4.50	
0A-3A	4747-104	3257-2-97-				0-C21310-0A/01/77-14-									12-4-4-4-	1-	4-3-2-1-	1-															3.40	
0A-3A	4667-104	3599-2-96-				0-C21311-0A/01/77-15-									12-4-5-5-	1-	4-1-2-1-	1-															5.20	
0A-3A	458A-104	3693-2-11-				0-C21312-0A/01/77-15-			35-20.4-			7.2	357-		12-4-4-4-	1-	4-3-2-1-	1-															5.70	
0A-3A	4467-104	3456-2-11-				0-C21313-0A/01/77-15-									12-4-4-4-	1-	4-3-1-1-	1-															5.00	
0A-3A	4369-104	3192-2-15-				0-C21315-0A/02/77-9-									11-4-4-4-	1-	3-4-2-1-2-	1-															4.30	
0A-3A	4367-104	3256-2-96-				0-C21316-0A/02/77-10-									22-4-4-4-	1-	4-2-1-2-	1-															5.20	
0A-3A	4275-104	3517-2-96-				0-C21317-0A/02/77-10-									12-4-5-5-	1-	4-3-2-2-	1-															6.30	
0A-3A	1906-104	3433-2-15-				0-C21319-0A/03/77-10-									1A-4-5-5-	1-	2-4-2-2-1-	1-															4.20	
0A-3A	1444-104	3725-2-13-				0-C21320-0A/03/77-10-			27-26.4-			8.8	343-		22-4-5-5-	4-3-	4-2-2-1-	1-															4.70	
0A-3A	1353-104	1214-2-97-				0-C21321-0A/03/77-15-									6-4-4-4-	1-	4-2-2-1-1-	1-															4.70	
0A-3A	1589-104	2714-2-14-				0-C21324-0A/04/77-9-			22-10.3-			7.7	670-		20-4-5-5-	3-3-	4-2-2-2-3-	1-															11.80	
0A-3A	0953-104	240A-2-15-																																

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 (c.u. ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
0A-3A.1017-104.3454-2-15-						0-C21331-09/04/77-12-									12-4-	-5-6-	-1-	-3-4-3-2-2-	-1-														4.50	
0A-3A.1353-104.3391-2-15-						0-C21332-09/04/77-13-									12-4-	-4-6-	-1-	-3-4-2-3-2-	-1-														4.50	
0A-3A.0792-104.3442-2-15-						0-C21335-09/04/77-17-									12-4-	-5-6-	-1-	-3-4-2-2-2-	-1-														3.40	
0A-3A.2700-104.1536-2-15-						0-C21334-09/05/77-9-									11-4-	-5-6-	-1-	-2-4-2-3-3-	-1-														15.30	
0A-3A.2278-104.1494-2-15-						0-C21339-09/05/77-11-									-1-1-4-1-	-1-	-4-2-3-2-	-1-															15.30	
0A-3A.2247-104.1022-2-15-						0-C21340-09/05/77-11-									9-4-	-5-6-	-1-	-4-2-2-2-	-1-														3.40	
0A-3A.1639-104.3297-2-15-						0-C21342-09/04/77-15-									12-4-	-4-6-	-1-	-2-4-2-2-1-	-1-														4.80	
0A-3A.1878-104.3167-2-15-						0-C21343-09/04/77-15-									15-4-	-5-6-	-1-	-2-4-2-2-1-	-1-														3.80	
0A-3A.3781-104.1478-2-15-						0-C21344-09/04/77-16-									4-4-	-4-1-	-1-	-3-4-2-1-1-	-1-														9.20	
0A-3A.3344-104.2003-2-15-						0-C21349-09/07/77-10-									6-4-	-5-6-	-1-	-2-4-2-1-1-	-1-														3.50	
0A-3A.3383-104.2017-2-15-						0-C21350-09/07/77-10-									15-4-	-4-6-	-1-	-2-4-2-2-1-	-1-														3.40	
0A-3A.2908-104.3461-2-15-						0-C21351-09/07/77-11-									12-4-	-4-1-	-1-	-3-4-2-2-1-	-1-														20.80	
0A-3A.3228-104.2733-2-15-						0-C21352-09/07/77-13-									12-4-	-4-1-	-1-	-2-4-2-2-1-	-1-														4.50	
0A-3A.3228-104.2754-2-15-						0-C21353-09/07/77-13-									12-4-	-5-6-	-1-	-2-4-2-2-1-	-1-														5.20	
0A-3A.0097-104.4478-2-15-						0-C21354-09/08/77-11-									9-1-7-4-7-	-1-	-2-4-2-2-1-	-1-															4.50	
0A-3A.0167-104.4157-2-15-						0-C21356-09/08/77-13-									6-4-	-5-6-	-1-	-2-4-2-2-1-	-1-														3.40	
0A-3A.2322-104.7729-2-12-						0-C21357-09/15/77-13-			30-24.6-				7.4-	1700-	4-1-7-3-7-2-3-1-	-1-	-2-4-2-2-2-	-1-															4.50	
0A-3A.2478-104.8551-2-15-						0-C21358-09/15/77-14-									12-1-7-3-7-	-1-	-2-4-2-2-2-	-1-															3.40	
0A-3A.2150-104.8450-2-15-						0-C21359-09/15/77-14-									4-1-7-3-7-	-1-	-2-4-2-2-2-	-1-															3.40	
0A-3A.1900-104.7906-2-15-						0-C21360-09/15/77-15-									12-1-7-5-6-	-1-	-3-4-2-2-2-	-1-															3.70	
0A-3A.2944-104.9422-2-15-						0-C21361-09/15/77-15-									6-1-7-5-6-	-1-	-2-4-2-2-2-	-1-															4.20	
0A-3A.2828-104.7933-2-15-						0-C21362-08/15/77-16-									11-1-7-4-6-	-1-	-2-4-2-2-3-	-1-															8.30	
0A-3A.3172-104.8641-2-15-						0-C21363-09/15/77-17-									4-1-7-3-7-	-1-	-2-4-2-3-6-	-1-															7.50	
0A-3A.4472-104.7211-2-15-						0-C21365-09/16/77-10-									4-1-7-4-6-	-1-	-2-4-2-2-2-	-1-															4.60	
0A-3A.3992-104.4033-2-15-						0-C21364-09/16/77-13-									6-1-7-4-6-	-1-	-2-4-2-2-3-	-1-															6.70	
0A-3A.1067-104.4556-2-15-						0-C21367-09/16/77-15-									9-4-	-5-6-	-1-	-3-4-2-1-3-	-1-														3.80	
0A-3A.1228-104.3772-2-15-						0-C21370-09/17/77-13-									9-4-	-4-6-	-1-	-3-4-2-2-2-	-1-														3.70	
0A-3A.0533-104.4622-2-15-						0-C21371-09/17/77-13-									9-1-7-5-6-	-1-	-2-4-3-2-2-	-1-															3.50	
0A-3A.0844-104.4022-2-15-						0-C21372-09/17/77-									9-1-7-5-6-	-1-	-2-4-2-1-2-	-1-															3.60	
0A-3A.5811-104.0072-2-15-						0-C21374-09/18/77-12-									9-4-	-4-6-	-1-	-4-3-2-1-	-1-														4.50	
0A-3A.5878-104.0550-2-15-						0-C21377-09/18/77-12-									12-4-	-4-6-	-1-	-4-3-2-1-	-1-														3.30	
0A-3A.5389-104.1950-2-14-						0-C21383-09/20/77-11-			31-26.9-				7.2-	150-	9-4-	-6-8-	-1-	-4-2-2-1-	-1-														6.90	
0A-3A.5233-104.0500-2-15-						0-C21385-09/20/77-13-									9-4-	-4-6-	-1-	-4-3-2-1-	-1-														3.20	
0A-3A.5767-104.1072-2-14-						0-C21387-09/20/77-14-			34-22.0-				7.2-	220-	12-4-	-6-6-	-1-	-4-3-2-1-	-1-														4.00	
0A-3A.6606-104.1153-2-14-						0-C21390-09/20/77-16-			31-23.1-				8.0-	300-	12-4-	-5-6-	-1-	-4-2-2-1-	-1-														3.00	
0A-3A.6439-104.0744-2-14-						0-C21391-09/20/77-17-			29-22.0-				9.0-	300-	9-4-	-5-6-	-1-	-3-2-2-1-	-1-														5.10	
0A-3A.6333-104.1067-2-14-						0-C21392-09/20/77-15-			29-21.1-				7.8-	600-	12-4-	-4-6-	-1-	-4-2-2-1-	-1-														5.80	
0A-3A.5544-104.1444-2-15-						0-C21394-09/21/77-13-									18-4-	-4-6-	-1-	-3-2-2-1-	-1-														3.20	
0A-3A.5661-104.1417-2-96-						0-C21395-09/21/77-13-									12-4-	-4-6-	-1-	-4-2-2-1-	-1-														3.20	
0A-3A.6289-104.0117-2-14-						0-C21402-09/21/77-18-			23-12.5-				7.4-	210-	18-4-	-5-6-	-1-	-4-3-2-1-	-1-														5.40	

APPENDIX D

CODE TO DATA LISTINGS

Appendix D-I

Explanation of Codes Used

Appendix D-II

Key to Sample Types

APPENDIX D-I EXPLANATION OF CODES USED

DOE SAMPLE NUMBER

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

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

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

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

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

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

LASL SAMPLE LOCATION NUMBER AND FIELD DATA

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

<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 (°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 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 ppb, or in the sediment sample in ppm. Those uranium concentrations in water that are shown with an asterisk were measured using a delayed-neutron counting method, while those without an asterisk were determined fluorometrically. The uranium analyses as determined by both of these methods at the LASL are directly comparable, as described in Appendix A.

APPENDIX D-II

KEY TO SAMPLE TYPES

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

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

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

<u>KEY NO.</u>	<u>SOURCE / MEDIUM / TREATMENT</u>
01 -	<u>Spring water sample untreated.</u>
02 -	<u>Stream water sample untreated.</u>
03 -	<u>Well water sample untreated.</u>
04 -	<u>Natural pond water sample untreated.</u>
05 -	<u>Artificial pond water sample untreated.</u>
06 -	<u>Spring water sample 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 sample 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 sample 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 sample 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 sample 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 sample dried</u> at $\leq 100^{\circ}\text{C}$ <u>and sieved to -100 mesh</u> through stainless steel sieves.
12 -	<u>Wet stream sediment sample 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 of the samples so designated are described in the text.

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APPENDIX E

REPORTED URANIUM OCCURRENCES IN THE PUEBLO QUADRANGLE, COLORADO

APPENDIX E REPORTED URANIUM OCCURRENCES IN THE PUEBLO QUADRANGLE, COLORADO (from Priestley, 1978)

<u>Property or District</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Remarks</u>
<u>STRATIFORM DEPOSITS</u>			
1. Horn Peak claim (Little Horn Peak claim)	38°02'	105°35'	In fine- to medium-grained micaceous quartzose sandstone of Sangre de Cristo formation of Permian age.
2. Mercury-Alpine claims	38°05'	105°39'	In Paleozoic strata.
3. Beginner's Luck claim	38°06'	105°45'	In quartzite of Harding sandstone of Ordovician age.
4. Millie Luna (Sylvia, Faith groups)	38°09'	105°46'	In limestone and sandstone of Pennsylvanian age.
5. Rainbow's End	38°12'	105°59'	In quartzite of Harding sandstone of Ordovician age.
6. Airborne Anomaly No. 18	38°15'	105°03'	In gray to black shale of Cretaceous age.
7. Perry DeLellis claim (Armstrong)	38°19'	105°44'	Carnotite in gray to brown arkosic sandstone of Sangre de Cristo formation of Permian age.
Unnamed No. 4	38°20'	105°43'	In red sandstone in Sangre de Cristo formation of Permian age.
8. Big Bear (Cactus claims)	38°27'	105°32'	In arkosic carbonaceous sand, siltstone, and sandstone terrace and channel fillings of early Tertiary age.
9. Jesus Lode	38°27'	105°27'	Torbernite vein in sandstone of Dakota formation of Cretaceous age.
10. Copper Gulch	38°27'	105°24'	In fault zone in Mesozoic strata.
11. Pine Canyon Lode (Southwest group)	38°27'	105°51'	In black shale of Minturn formation of Permian-Pennsylvanian age.
12. Unnamed No. 5	38°29'	105°53'	In coal of Permian-Pennsylvanian age.
13. Hoyt Adkins Ranch Anomaly No. 3	38°29'	105°04'	In limestone of Cretaceous age.
14. Misery Mine (Red Hill?, Tanner Boy?)	38°29'	105°31'	In mudstone and siltstone of Tertiary age.
15. Dinosaur No. 1 claim (Gatley Ranch)	38°30'	104°53'	In sandstone of Morrison formation of Jurassic age.
16. George Avery Ranch (Kathryn No. 2)	38°31'	104°49'	Carnotite in sandstone of Dakota formation of Cretaceous age on Turkey Creek anticline.
17. Brandt claim	38°31'	105°02'	Carnotite in sandstone of Dakota formation of Cretaceous age.
18. <u>Tallahassee Creek District</u>			
Barbara claim (True Blue No. 1)	38°31'	105°28'	Petrified logs in Tallahassee Creek conglomerate of Oligocene age.
Last Chance (First Chance)	38°32'	105°29'	In conglomerate and tuff of Tallahassee Creek conglomerate of Oligocene age.
Colorado Lease No. 519	38°32'	105°30'	In volcanic arkosic conglomerate in Tallahassee Creek conglomerate of Oligocene age.
Dickson-Snooper (Thorne 9 and 10)	38°32'	105°31'	Uraninite in buffaceous sandstone in Tallahassee Creek conglomerate of Oligocene age.
Cap Rock claim	38°32'	105°28'	In tuff and conglomerate in volcanic strata of Tertiary age.
Sunshine No. 2 claim (Sunshine Mine)	38°32'	105°29'	Autunite in tuff of Tallahassee Creek conglomerate of Oligocene age.
Picnic Tree claim (Hall claim)	38°33'	105°32'	In breccia, tuff, and conglomerate of Tallahassee Creek conglomerate of Oligocene age.
Mary L. group (Join 2 Mine)	38°34'	105°31'	Uraninite, autunite, and torbernite in arkosic conglomerate sandstone of Tallahassee Creek conglomerate of Oligocene age.

APPENDIX E (cont'd) REPORTED URANIUM OCCURRENCES IN THE PUEBLO QUADRANGLE, COLORADO (from Priestley, 1978)

<u>Property or District</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Remarks</u>
19. D-C claim (Out claim)	38°32'	105°14'	In sandstone of Dakota formation of Cretaceous age.
Dilley Lease (Dilley Ranch)	38°32'	105°14'	In black shale of Morrison formation of Jurassic age.
Ant claim	38°32'	105°16'	In sandstone of Ralston Creek formation of Jurassic age.
Felch Creek No. 1	38°32'	105°11'	In sandstone of Dakota formation of Cretaceous age.
20. Rupp property (Raup Mine 39)	38°34'	105°16'	In sandstone in Dakota formation of Cretaceous age.
Colexco No. 1-43 (Red Cliff 30)	38°34'	105°16'	Uranophane and carnotite in concretions in shale and sandstone of Dakota formation of Cretaceous age.
21. Beaver Creek	38°34'	105°01'	In Paleozoic strata.
22. Folbre No. 2	38°34'	104°53'	In black shale in Morrison formation of Jurassic age.
23. James-Taylor Lease	38°36'	105°31'	In shaly arkosic sandstone of Tertiary age.
A.E. Jones claim (Taylor Soda Springs)	38°36'	105°33'	Around springs in Echo Park alluvium of Eocene age.
24. Lucky Break Placer	38°37'	105°57'	In limestone in Dyer dolomite of Devonian age.
25. Rock View claim	38°40'	104°53'	In shale in Fountain formation of Pennsylvanian age.
26. Mike Doyle prospect	38°41'	104°52'	Uranophane and carnotite in quartzitic sandstone in Morrison formation of Jurassic age.
27. <u>High Park District</u>			
High Park (Sand Creek)	38°42'	105°17'	In Tallahassee Creek conglomerate of Oligocene age
School Section	38°42'	105°17'	In volcanic conglomeratic sandstone of Tertiary age.
Abril Nos. 2, 6, and 8	38°43'	105°16'	In volcanic conglomeratic sandstone of late Tertiary age.
McVey Lease	38°43'	105°17'	In volcanic conglomeratic sandstone of late Tertiary age.
28. Chumway Park	38°44'	105°36'	In Tertiary strata.
29. Mobil Oil Co. Drill Hole #1	38°44'	104°19'	In Fox Hills sandstone of Cretaceous age.
30. Mobil Oil Co. Drill Hole #2	38°45'	104°17'	In Fox Hills sandstone of Cretaceous age.
31. Genevieve Lode	38°49'	105°09'	In welded tuff and conglomeratic sandstone of late Tertiary age.
32. Carson Mining and Development (Nina 7)	38°54'	105°56'	Autunite in fine-grained gray tuffaceous sandstone of Antero formation of Oligocene age.
33. Balfour Mines	38°55'	105°42'	In Mesozoic and Tertiary strata.
34. Airborne Anomaly No. 17	38°58'	104°20'	In sandstone of Castle Rock conglomerate of Oligocene age.
35. Burgess	39°00'	104°46'	In arkose of Dawson formation of Paleocene-Cretaceous age.
<u>IGNEOUS AND METAMORPHIC DEPOSITS</u>			
36. Hardin claim group	38°01'	105°09'	In Precambrian metamorphic rocks.
Gold Crown No. 2	38°01'	105°09'	Thorium vein in Precambrian metamorphic rocks.

7/ APPENDIX E (cont'd) REPORTED URANIUM OCCURRENCES IN THE PUEBLO QUADRANGLE, COLORADO (from Priestley, 1978)

<u>Property or District</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Remarks</u>
37. Fair View Lode	38°03'	105°20'	Vein in hornblende-plagioclase gneiss of Precambrian age.
38. I. Kreiner	38°03'	105°43'	Vein in pegmatite.
Judith claim	38°04'	105°44'	Pegmatite in Precambrian granite.
39. <u>Hardscrabble District</u>			
Nightengale claim (Atomic Mt. group)	38°08'	105°19'	In barite veins in Precambrian gabbro, amphibolite, gneiss, and pegmatite.
Barite Lode No. 2	38°09'	105°21'	Vein in Precambrian gneiss and granite.
Swartz Ranch	38°09'	105°20'	Vein in Precambrian metasedimentary rocks.
G. W. and Antrim claims	38°09'	105°20'	Vein in Precambrian granite and gneiss.
D. P. Van Nouhuys property	38°09'	105°20'	In Precambrian rocks.
Rare Earth Special No. 1, 2, and 4	38°10'	105°20'	Thorium vein in Precambrian granite gneiss.
Lee Jones Ranch	38°10'	105°18'	In Precambrian granite.
Thorite Mother Lode No. 1 and 4	38°11'	105°19'	Thorium vein in Precambrian metamorphic rocks.
Lucky Find (Lucky Strike)	38°11'	105°20'	Barite vein in Precambrian gneiss.
Mystery Lode	38°11'	105°18'	In Precambrian gneiss.
40. Sewell Ranch	38°10'	105°13'	Thorium vein in Precambrian granite and gneiss.
Floyd Watters Ranch (Mandy claim)	38°10'	105°13'	Siliceous carbonate vein in Precambrian granite and gneiss.
Franklin Mine (Frankland Mine)	38°11'	105°14'	Vein in Precambrian granite and gneiss.
41. Bull Domingo Mine	38°11'	105°26'	Veins in Precambrian granite pegmatite.
42. Anna Lee Lode	38°13'	105°45'	In syenite dike in Precambrian granite.
43. John Spalding	38°14'	105°16'	Barite vein in Precambrian granite and gneiss.
Big Chief I (Star Mine)	38°15'	105°16'	Barite vein in Precambrian gneiss.
44. Darby Extension	38°14'	105°22'	In Precambrian granite and gneiss.
Pennie Poker	38°15'	105°22'	Vein in Precambrian gneiss.
45. Mocking Bird claim	38°16'	105°52'	Pegmatite in Precambrian granite gneiss.
46. Dear Ridge claim	38°16'	105°20'	In Precambrian granite.
47. Willis Tuttle	38°16'	105°18'	Dike in Precambrian granite.
A. Griffin Ranch	38°17'	105°18'	Barite veins in Precambrian gneiss.
48. Sunrise claims 1, 2, and 3	38°17'	105°21'	Vein in Precambrian granite gneiss.
49. Crane Minerals, Inc. (Wigner-Grape Ck)	38°19'	105°22'	In Precambrian granite and gneiss.
50. Unnamed No. 2	38°19'	105°20'	In Precambrian rocks.
51. Lightning No. 2 (DAC Uranium)	38°20'	105°43'	Shear zone in Precambrian granite.
52. Homestake No. 2 and 6 claims	38°20'	105°32'	Shear zone in Precambrian granite.

APPENDIX E (cont'd) REPORTED URANIUM OCCURRENCES IN THE PUEBLO QUADRANGLE, COLORADO (from Priestley, 1978)

<u>Property or District</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Remarks</u>
53. Brown Lava Lode (Pink Lady)	38°21'	105°27'	Fracture in "rhyolitic host" of Cambrian age.
54. Unnamed No. 3	38°22'	105°44'	Pegmatite in Precambrian granite.
55. School Section	38°23'	105°20'	In Precambrian rock.
Tanner Boy Group (Red Hills Group)	38°24'	105°19'	Diabase dike in Precambrian gneiss and granite.
56. Unnamed No. 1	38°24'	105°17'	Pegmatite in Idaho Springs formation of Precambrian age.
57. Navajo (Big Emma)	38°24'	105°34'	Pegmatite in Precambrian schist and gneiss.
58. Texas Creek	38°27'	105°38'	In Precambrian gneiss.
Good Hope Dreamer (Dreamer Mine)	38°27'	105°36'	In Precambrian schist.
59. Ramsey Mines	38°37'	105°56'	In Precambrian schist.
Mica Beryl claims (Falfar, Gray Hen)	38°38'	105°58'	Pegmatite in Precambrian granite.
Lucky John No. 2	38°38'	105°58'	Dike in Precambrian granite.
Gold Bug claim	38°39'	105°59'	In Precambrian granite.
60. <u>Pikes Peak District</u>			
Duffield's Property (Leyte claim)	38°44'	104°54'	Vein in Precambrian granite.
Morris Prospect (Antonita Valjean)	38°45'	104°53'	Pegmatite in Precambrian granite.
St. Peter's Dome No. 2	38°45'	104°55'	Pegmatite in Precambrian granite.
St. Peter's Dome No. 1	38°45'	104°56'	In Precambrian granite.
Dorothy O. claim	38°46'	104°55'	In Precambrian rock.
Bluebird	38°46'	104°54'	Pegmatite in Idaho Springs formation of Precambrian age.
Unnamed No. 1	38°46'	104°54'	Pegmatite in Precambrian granite.
B. F. Reed claim	38°46'	104°54'	Pegmatite in Precambrian granite.
61. Pegmatites	38°46'	105°59'	Pegmatite in Precambrian granite.
Unnamed No. 1	38°47'	105°59'	In pegmatite.
62. Rhyolite Mountain	38°46'	105°10'	In Tertiary rhyolite plug.
63. Unnamed No. 2	38°46'	104°51'	At contact between Morrison formation of Jurassic age and Precambrian rock.
64. Phonolite Mountain	38°49'	105°09'	In igneous rock.
65. Cosmo claims No. 1 and 2	38°47'	105°59'	Pegmatite in Precambrian granite.
66. Clara May Pegmatite Quarry	38°51'	105°58'	Pegmatite in Precambrian granite.
Newett (Trout Creek, View No. 2)	38°51'	105°57'	In igneous rock.
67. Pegmatite Quarry	38°52'	105°59'	Pegmatite in Precambrian granite.
68. Unnamed No. 3	38°54'	105°59'	In pegmatite.

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KNOWN URANIUM OCCURRENCES - Numbers shown on plate correspond to the numbers preceding each occurrence listed in Appendix E.

The LASL sample location numbers above are the same as those used in APPENDIXES B and C except the prefix C2 and any leading zeros have been deleted.

SAMPLE LOCATION OVERLAY FOR THE
PUEBLO NTMS QUADRANGLE, COLORADO

University of California
LOS ALAMOS SCIENTIFIC LABORATORY
Post Office Box 1680, Los Alamos, New Mexico 87545
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COLORADO

110°	108°	106°	104°	102°
42°	ROCK SPRINGS NK 12-9	RAWLINS NK 13-7	CHEYENNE NK 13-8	SCOTT BLUFF NK 13-9
41°	VERNAL NK 12-12	CRAIG NK 13-10	GREELEY NK 13-11	STERLING NK 13-12
40°	GRAND JUNCTION NJ 12-3	LEADVILLE NJ 13-1	DENVER NJ 13-2	LIMON NJ 13-3
39°	MOAB NJ 12-6	MONTROSE NJ 13-4	PUEBLO NJ 13-5	LAMAR NJ 13-6
38°	CORTEZ NJ 12-9	DURANGO NJ 13-7	TRINIDAD NJ 13-8	LA JUNTA NJ 13-9
37°	SHIPROCK NJ 12-12	AZTEC NJ 13-10	RATON NJ 13-11	DALHART NJ 13-12
36°				
110°	108°	106°	104°	102°

LA-7341-MS

PLATE II

LEGEND

SYMBOLS	CONCENTRATIONS (ppb)
◇ SPRING	0.00 — 1.00
□ SURFACE STREAM	1.01 — 2.00
○ WELL	2.01 — 4.00
△ NATURAL LAKE OR POND	4.01 — 8.00
▽ ARTIFICIAL LAKE OR POND	8.01 — 16.00
	16.01 — 24.00
	24.01 — 36.00
	> 36.00

URANIUM CONCENTRATIONS (ppb) IN WATERS
OVERLAY TO THE
PUEBLO NTMS QUADRANGLE, COLORADO

University of California
LOS ALAMOS SCIENTIFIC LABORATORY
Post Office Box 1683 Los Alamos, New Mexico 87545
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LEGEND

SYMBOLS	CONCENTRATIONS (ppm)
◇ WET SPRING	0.0 - 3.0
□ WET STREAM	3.1 - 5.0
△ WET NATURAL LAKE OR POND	5.1 - 7.0
▽ WET ARTIFICIAL LAKE OR POND	7.1 - 10.0
⊠ DRY STREAM	10.1 - 15.0
○ DRY NATURAL LAKE OR POND	15.1 - 20.0
⊕ DRY ARTIFICIAL LAKE OR POND	20.1 - 25.0
⊕ OTHER SEDIMENT	> 25.0

URANIUM CONCENTRATIONS (ppm) IN SEDIMENTS
OVERLAY TO THE
PUEBLO NTMS QUADRANGLE, COLORADO