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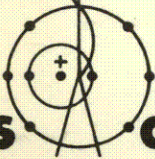
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*July 14, 1978*

**Uranium Hydrogeochemical and Stream Sediment  
Reconnaissance Data Release for the  
Sterling NTMS Quadrangle, Colorado**

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# URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE

## DATA RELEASE FOR THE STERLING, COLORADO, NTMS QUADRANGLE

by

Henry P. Nunes

### SUMMARY

This report describes work done in the Sterling, 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 in the Rocky Mountain states of New Mexico, Colorado, Wyoming, and Montana, and in Alaska.

During the summer of 1977, students from the University of Colorado collected 1653 water samples and 352 sediment samples from 1946 locations within the Sterling quadrangle (Fig. 1). All of the samples were collected and treated according to standard specifications described in Sharp (1977) and summarized in Appendix A. Uranium concentrations were determined at the LASL using standard analytical methods and procedures (Hues et al, 1977; Balestrini et al, 1976) also described in Appendix A. Appendixes B and C are listings of all field and analytical data for the water and sediment samples, respectively. Appendixes D-I and D-II are keys to the codes used in Appendixes B and C. Statistical data describing the mean, range, and standard deviation of the uranium concentrations are summarized by sample source type in Table I for waters and Table II for sediments.

The high uranium concentrations of the ground and surface waters collected during this reconnaissance corroborate the results of other studies. Boberg and Runnels (1971) found a high uranium content in South Platte River water in the Sterling quadrangle and attributed it to the leaching of the uraniumiferous Pierre shale and Laramie formation in the area. Bolivar et al (1978) reported high uranium concentrations for the ground and surface waters that flow into the South Platte from areas associated with these shale and sandstone units in the Greeley, Colorado, quadrangle immediately to the west of this study area. A preliminary geologic map of Colorado (Tweto, 1976)



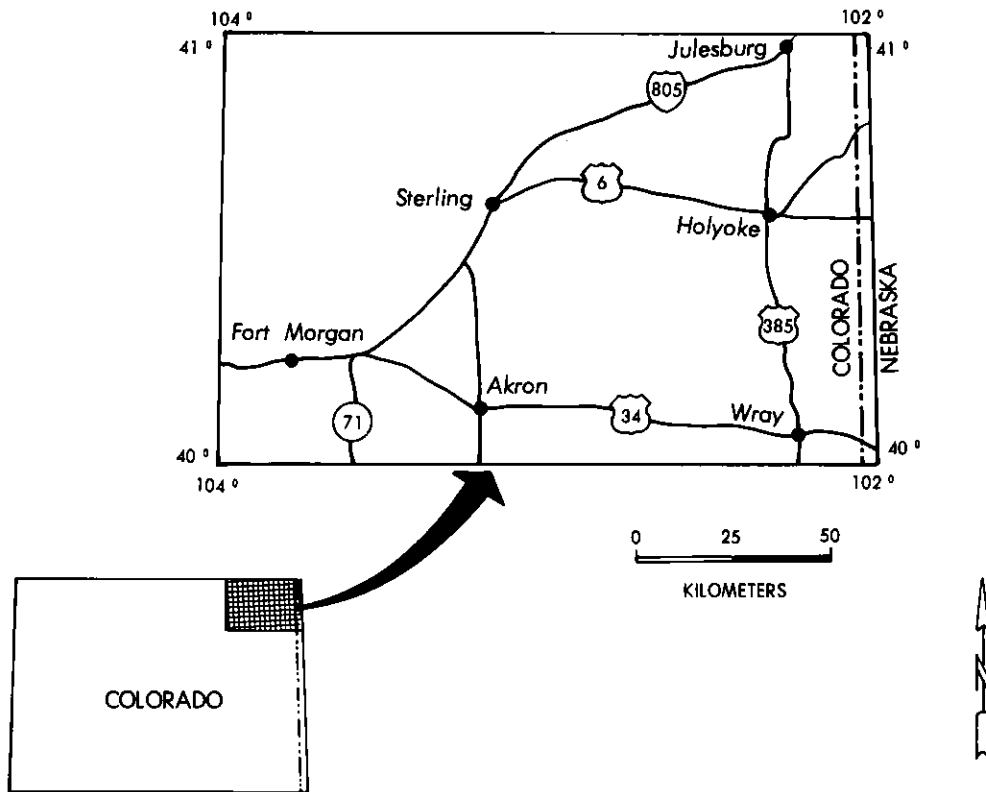


Fig. 1. Location map for the Sterling quadrangle, Colorado.

shows Pierre shale outcrops in the vicinity of the only known uranium occurrence (Butler et al, 1962; Butler, 1968), a low-grade mineralization in Logan County near Sterling Reservoir (which drains into the South Platte River). The northwest portion of the Sterling quadrangle exhibits high uranium concentrations in both the sediment and water samples, which may be due to the leaching of Pierre shale. These values decrease toward the southeast corner of the quadrangle, where the outcrops of Pierre shale disappear. Very few sediment samples were taken because well waters were the most widely available sample type throughout the quadrangle.

The rear pocket contains three overlay plates. Plate I is a sample location overlay for the quadrangle, Plate II is a uranium concentration overlay for waters, and Plate III is a uranium concentration overlay for sediments. All plates are at a scale of 1:250 000 and can be used in conjunction with the Sterling NTMS map sheet published by the US Geological Survey. The sample locations and uranium data are graphically plotted on these overlays by computer by the use of a Universal Transverse Mercator map projection program developed at the LASL (Cheadle, 1977).

Because this report is a data release, intended to make the data available to the DOE and the public as quickly as possible, no detailed discussion of the geology, uranium occurrences, or uranium data is included. A report covering these and other topics will be prepared and released by the University of Colorado.



TABLE I

## SUMMARY OF URANIUM DATA FOR WATER SAMPLES, STERLING QUADRANGLE, COLORADO

Sample Type	Sample Size	Range (ppb)		Mean (ppb)	Standard Deviation
		Min. -	Max.		
All Waters	1653	0.01 -	364.00	14.52	31.41
Wells	1573	0.01 -	364.00	14.22	31.52
Streams	26	0.09 -	142.80	23.67	38.17
Artificial Ponds	22	0.07 -	57.10	14.57	19.96
Springs	19	0.32 -	95.80	19.07	24.99
Natural Ponds	13	0.02 -	61.10	25.54	25.63

TABLE II

## SUMMARY OF URANIUM DATA FOR SEDIMENT SAMPLES, STERLING QUADRANGLE, COLORADO

Sample Type	Sample Size	Range (ppm)		Mean (ppm)	Standard Deviation
		Min. -	Max.		
All Sediments	352	1.60 -	70.90	4.81	5.49
Dry Streams	193	1.60 -	60.20	4.93	5.31
Dry Natural Ponds	68	2.30 -	7.50	3.69	0.96
Wet Streams	30	2.20 -	70.90	7.26	12.55
Dry Artificial Ponds	23	1.90 -	5.10	3.70	0.77
Wet Artificial Ponds	17	2.30 -	10.20	4.43	2.19
Wet Natural Ponds	14	3.10 -	13.70	5.72	3.21
Wet Springs	7	3.10 -	5.30	4.51	0.89

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Within the LASL, special thanks are due to the following groups and individuals who were responsible for analyzing the samples and assisting in the preparation of this report. The Analytical Chemistry Group, CMB-1, led by Glenn R. Waterbury, was responsible for the fluorometric analyses of the water samples. William H. Ashley, Arthur L. Henicksman, and Donna E. Hedrick performed these water analyses. The Research Reactor Group, P-2, led by Merle E. Bunker, was responsible for the delayed-neutron counting analyses of some water and all sediment samples. Michael M. Minor and other members of Group P-2 prepared the samples and performed these analyses. The efforts of Jesse M. Cheadle III and Carlotta McInteer of the Statistics Group, S-1, who were responsible for all data base management functions, are also greatly appreciated. Thanks are also due the following members of the Geochemical Applications Group, G-5: Patricia R. O'Rourke and Judy A. Wilkinson, who typed and edited the text; John E. Tubb and Mary Ann Olson, who drafted the figures and plates; Mary E. Luke, who digitized the sample location maps; and Wayne A. Morris, Thomas A. Weaver, and Paul L. Aamodt, who critically reviewed the report.

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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- $\mu$  membrane filter into one each, prewashed and sealed, 41-ml reactor "rabbit" and 25-ml vial (both polyethylene), and both are then acidified to a pH of  $\leq 1$  with 8N, reagent-grade,  $\text{HNO}_3$ . 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 ( $25^\circ\text{C}$ ) 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

The University of Colorado investigators selected the desired sample types and locations. The field maps were all USGS quadrangles (either 7.5' or 15'). As each location was sampled, a unique sample location number, preprinted on adhesive labels provided with the identically numbered field data forms, was pasted over the precisely marked site on the field map. The latitude and longitude of each location was computed by the field samplers. Every location was 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 were corrected if the overlay locations were displaced by more than 300 m from the locations marked on the field maps. When a desired location could not be sampled, an alternate sample type or location as near as possible to the original one was picked, and the new sample type and/or location was/were marked on the field map and properly labeled as above.

## II. ANALYTICAL PROCEDURES

### Water Samples Analyzed for Uranium by Fluorometry

In a controlled laboratory environment, two NaF (98%)-LiF (2%) flux pellets are prepared and placed on platinum dishes. The 25-ml water vial is vigorously shaken and 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 ultra-violet radiation in the fluorometer, and the measured fluorescence of each is read, recorded, and put through a computer routine using standards and blanks run at the same time to obtain the two uranium concentrations. The single uranium concentration of the water samples given in the data listing, is the average obtained from the duplicate aliquots. The lower limit of detection for each aliquot by the normal procedure is 0.2 ppb, but in high latitude areas natural waters often have uranium concentrations below this. Consequently, when a sample run by the normal procedure is found to have <0.2 ppb uranium, it is routinely put through another evaporative concentration step that provides a 10X concentration factor, again using duplicate aliquots. By this additional procedure, using the same basic fluorometric method, the lower limit of detection of uranium in natural waters is reduced to 0.02 ppb. When a lower concentration is found in an aliquot, it is arbitrarily averaged into the data listings as 0.01 ppb. Therefore, whenever the uranium concentration in a water sample run by fluorometry is given as some value less than 0.02 ppb, one of the two aliquots had a uranium concentration that was too low to detect. If the listed uranium value is 0.01 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. The basic fluorometric method utilized is described in detail by Hues and others (1977).

#### 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 Data 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-40	.7014-102	.7411-2-08	0-C06002	06/16/77-17	27-15.0	5.7	295	15-1-7	-3-1-1	-4-3-2-2	-3-1-1	-	-	-	1.52																				
0A-40	.7358-102	.7454-2-08	0-C06003	06/16/77-17	27-27.0	5.7	300	18-1-1	-3-1-1	-4-3-2-2	-3-1-6	-	-	5.94																					
0A-40	.7478-102	.7153-2-08	0-C06004	06/16/77-18	24-14.4	5.7	320	4-1-1	-3-1-1	-4-3-2-3	-3-1-6	-	-	2.83																					
0A-40	.7425-102	.6692-2-08	0-C06005	06/16/77-18	24-13.1	5.7	270	18-1-1	-3-1-1	-4-3-2-3	-3-1-1	-	-	2.68																					
0A-40	.7303-102	.6306-2-08	0-C06006	06/16/77-18	22-15.0	5.6	330	15-1-1	-3-1-1	-4-4-2-3	-3-3-6-15n	-	-	1.96																					
0A-40	.7022-102	.6258-2-08	0-C06007	06/16/77-19	23-17.0	5.1	350	15-1-1	-3-1-3	-4-4-2-2	-3-1-1	-	-	2.15																					
0A-40	.6944-102	.6628-2-08	0-C06008	06/16/77-19	23-15.5	5.7	330	13-1-1	-3-1-1	-4-4-2-1	-3-3-5-33n-210	-	-	3.48																					
0A-40	.6714-102	.7036-2-08	0-C06010	06/16/77-20	22-14.0	5.6	445	18-1-1	-3-3-1	-4-4-2-1	-3-3-5-18n-140	-	-	3.18																					
0A-40	.6719-102	.6519-2-08	0-C06011	06/17/77-9	10-10.0	5.6	345	13-1-1	-3-1-1	-4-4-1-3	-3-3-6-	-	-	2.80																					
0A-40	.6333-102	.7394-2-08	0-C06012	06/17/77-10	22-16.2	5.8	230	14-1-1	-3-1-1	-4-4-2-2	-3-1-1	-	-	1.37																					
0A-40	.6506-102	.6269-2-08	0-C06015	06/17/77-11	27-14.7	5.6	342	11-1-7	-3-1-1	-4-4-2-1	-3-3-8-18n-160	-	-	0.95																					
0A-40	.6714-102	.6089-2-08	0-C06016	06/17/77-12	23-13.4	5.6	430	8-1-7	-3-1-1	-4-4-2-2	-3-1-6-	-	-	3.62																					
0A-40	.6986-102	.6072-2-08	0-C06017	06/17/77-12	23-23.0	5.7	295	12-1-7	-3-1-1	-4-4-2-1	-3-1-6-	-	-	1.96																					
0A-40	.7350-102	.6028-2-08	0-C06018	06/17/77-13	22-14.3	5.6	315	10-1-7	-3-1-1	-4-4-2-2	-3-3-3n-230	-	-	2.46																					
0A-40	.7464-102	.5744-2-08	0-C06019	06/17/77-13	22-15.0	5.6	320	7-1-7	-3-1-1	-4-4-2-2	-3-3-1	-	-	2.85																					
0A-40	.7247-102	.5150-2-08	0-C06021	06/17/77-14	24-15.0	5.6	340	9-1-7	-3-1-1	-4-4-2-3	-3-3-1	-	-	0.96																					
0A-40	.6861-102	.5764-2-08	0-C06024	06/17/77-15	25-15.0	5.7	244	14-1-7	-3-1-1	-4-4-2-2	-3-3-15n-	-	-	1.03																					
0A-40	.6803-102	.5497-2-08	0-C06025	06/17/77-15	24-13.6	5.5	318	19-1-7	-3-1-1	-4-4-2-2	-3-3-6-	-	-	2.28																					
0A-40	.6608-102	.5497-2-08	0-C06026	06/17/77-15	23-13.2	5.7	327	22-1-7	-3-1-1	-4-4-2-2	-3-3-1	-	-	1.62																					
0A-40	.6431-102	.5119-2-08	0-C06028	06/17/77-17	20-13.7	5.6	275	16-1-7	-3-3-1	-4-4-2-2	-3-3-6-144-135	-	-	1.03																					
0A-40	.6419-102	.5489-2-08	0-C06029	06/17/77-17	20-14.0	5.7	500	15-1-7	-3-3-1	-4-4-1-2	-3-3-6-12n-	-	-	0.40																					
0A-40	.6281-102	.5881-2-08	0-C06030	06/17/77-18	20-15.8	5.7	240	20-1-7	-3-3-1	-4-4-1-2	-3-1-1	-	-	1.45																					
0A-40	.6133-102	.7228-2-08	0-C06032	06/17/77-19	19-16.0	5.6	250	14-1-7	-3-3-1	-4-3-2-2	-3-4-4-22n-180	-	-	1.58																					
0A-40	.6206-102	.7406-2-08	0-C06033	06/17/77-19	19-20.0	8.1	225	10-1-7	-1-1-1	-4-3-2-2	-3-1-1	-	-	1.32																					
0A-40	.6006-102	.7159-2-08	0-C06034	06/17/77-20	18-14.7	5.9	210	16-1-7	-3-1-1	-4-3-2-2	-3-3-1	-	-	0.73																					
0A-40	.5836-102	.7206-2-08	0-C06035	06/18/77-9	16-15.2	5.5	278	10-1-1	-3-1-1	-4-4-2-2	-3-3-20n-	-	-	1.22																					
0A-40	.5397-102	.6944-2-08	0-C06036	06/18/77-10	19-19.2	5.7	195	15-1-7	-3-1-1	-4-4-2-2	-3-4-8-16n-	-	-	1.71																					
0A-40	.5431-102	.7222-2-07	0-C06037	06/18/77-10	22-19.5	5.1	41	16-1-7	-1-5-3-4-3-2-2	-3-1-1	-	-	1.14																						
0A-40	.5608-102	.6847-2-08	0-C06038	06/18/77-9	18-15.0	5.5	279	13-1-7	-3-3-1	-4-4-2-2	-3-3-20n-	-	-	1.93																					
0A-40	.5108-102	.7306-2-08	0-C06039	06/18/77-11	20-17.3	5.8	232	8-1-7	-3-1-1	-4-4-2-2	-3-2-5-	-	-	2.07																					
0A-40	.5231-102	.6842-2-07	0-C06040	06/18/77-11	20-16.5	5.7	57	18-1-7	-4-4-4-3-4-4-2-2	-3-1-1	-	-	0.10																						
0A-40	.5181-102	.6453-2-08	0-C06041	06/18/77-12	19-15.3	5.5	233	5-1-7	-3-3-1	-4-4-2-2	-3-4-4-23n-212	-	-	0.80																					
0A-40	.5308-102	.6261-2-08	0-C06042	06/18/77-18	22-17.0	5.5	215	19-1-7	-3-1-1	-4-4-2-2	-3-3-1	-	-	1.14																					
0A-40	.5847-102	.6450-2-08	0-C06044	06/18/77-13	20-19.3	5.7	353	13-1-7	-3-1-1	-4-4-2-2	-3-2-1	-	-	5.14																					
0A-40	.5800-102	.6254-2-08	0-C06045	06/18/77-14	22-13.8	5.6	278	18-1-7	-3-1-1	-4-4-2-2	-3-4-1	-	-	2.25																					
0A-40	.5606-102	.6044-2-08	0-C06046	06/18/77-13	22-14.0	5.7	250	16-1-7	-3-3-1	-4-3-2-2	-3-4-4-18n-155	-	-	0.98																					
0A-40	.5767-102	.5694-2-08	0-C06047	06/18/77-15	22-14.0	5.8	320	17-1-7	-3-3-1	-4-4-2-2	-3-4-20n-	-	-	0.64																					
0A-40	.5319-102	.6054-2-08	0-C06049	06/18/77-16	22-16.8	5.8	260	10-1-7	-3-1-1	-4-4-2-2	-3-1-1	-	-	1.53																					
0A-40	.5142-102	.6072-2-08	0-C06050	06/18/77-16	24-15.0	5.7	294	12-1-7	-3-3-1	-4-4-2-2	-3-3-4-27n-	-	-	1.53																					
0A-40	.5067-102	.5694-2-08	0-C06051	06/18/77-17	22-14.0	5.7	270	19-1-7	-3-1-1	-4-3-2-2	-3-1-5-18n-	-	-	2.22																					
0A-40	.5267-102	.5219-2-08	0-C06052	06/18/77-17	20-14.5	5.7	348	15-1-7	-3-1-1	-4-4-2-2	-3-3-5-6n-	-	-	1.22																					
0A-40	.5450-102	.5111-2-08	0-C06053	06/18/77-18	22-12.5	5.9	228	12-1-7	-3-1-1	-4-3-2-2	-3-1-5-	-	-	0.65																					
0A-40	.5800-102	.5311-2-07	0-C06054	06/18/77-18	22-19.0	5.5	120	14-1-7-5-7-2-6-2-3-4-3-2-2	-3-1-1	-	-	-	-	0.27																					
0A-40	.5842-102	.5319-2-08	0-C06055	06/18/77-19	20-17.0	5.7	292	16-1-7	-3-1-1	-4-4-2-2	-3-3-5-16n-	-	-	1.30																					
0A-40	.6131-102	.5317-2-08	0-C06056	06/18/77-19	20-17.0	5.6	215	14-1-7	-3-1-1	-4-3-2-2	-3-1-1	-	-	1.34																					
0A-40	.6203-102	.5503-2-08	0-C06057	06/18/77-19	20-15.5	5.7	260	18-1-7	-3-3-1	-4-4-2-2	-3-9-4-16n-120	-	-	1.51																					
0A-40	.6053-102	.5703-2-08	0-C06058	06/18/77-20	20-14.5	5.5	480	13-1-7	-3-3-1	-4-4-2-3	-3-3-6-18n-	-	-	2.46																					
0A-40	.6119-102	.5881-2-08	0-C06059	06/18/77-20	18-15.0	5.6	255	19-1-7	-3-3-1	-4-4-2-3	-3-9-1	-	-	1.86																					
0A-40	.6200-102	.6081-2-08	0-C06060	06/18/77-21	18-16.7	5.8	170	15-1-7	-3-1-1	-4-4-2-3	-3-1-1	-	-	0.36																					
0A-40	.3892-102	.6392-2-08	0-C06061	06/14/77-12	30-16.6	7.0	250	25-1-1	-3-1-1	-4-2-2-1	-3-3-8-28n-	-	-	1.04																					
0A-40	.3797-102	.6628-2-08	0-C06062	06/14/77-13	30-13.4	7.5	322	11-1-1	-3-1-2	-4-3-2-1	-3-2-5-26n-200	-	-	1.21																					

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 (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 (*)	UNITS IN ppb
							DATE	HOUR																										
0A-40.3803-102.7036-2-08-	0-C06063-06/14/77-13-	31-15.9-0-	7.0	370-	16-1-1-	-2-	1-	-4-3-2-1-	-3-2-	-275-	-	0.80																						
0A-40.3958-102.6957-2-08-	0-C06064-06/14/77-13-	31-15.9-0-	7.0	300-	10-1-1-	-2-	1-	-4-3-2-1-	-3-2-	-300-	-	1.27																						
0A-40.3950-102.7211-2-08-	0-C06065-06/14/77-13-	33-14.0-0-	9.0	157-	10-1-1-	-2-	2-	-4-3-2-1-	-3-1-	-	-	0.43																						
0A-40.4525-102.7275-2-08-	0-C06067-06/14/77-13-	31-14.0-0-	7.3	248-	12-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-160-	-120-	0.26																						
0A-40.4983-102.7178-2-08-	0-C06069-06/14/77-14-	31-14.0-0-	7.2	220-	24-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	1.53																						
0A-40.4578-102.6936-2-08-	0-C06070-06/14/77-15-	31-15.6-1-	7.2	321-	15-1-1-	-4-	1-	-4-3-2-1-	-3-2-	-	-	1.95																						
0A-40.4858-102.6447-2-08-	0-C06071-06/14/77-15-	31-14.6-1-	7.3	530-	20-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	0.43																						
0A-40.4242-102.6453-2-08-	0-C06074-06/14/77-17-	31-14.4-1-	7.3	348-	12-1-1-	-3-	1-	-4-3-2-2-	-3-2-	5-310-	-285-	1.25																						
0A-40.4072-102.6830-2-08-	0-C06075-06/14/77-17-	31-14.0-0-	7.3	355-	17-1-1-	-2-	1-	-4-3-2-3-	-3-2-	-	-	3.52																						
0A-40.3950-102.6058-2-08-	0-C06076-06/14/77-17-	31-14.0-0-	7.1	263-	10-1-1-	-3-	1-	-4-3-2-3-	-3-2-	-	-	4.00																						
0A-40.3953-102.5526-2-08-	0-C06077-06/14/77-18-	31-14.0-0-	7.0	315-	16-1-1-	-3-	3-1-	-4-3-2-1-	-3-2-	5-214-	-200-	4.54																						
0A-40.3842-102.5108-2-08-	0-C06078-06/14/77-18-	31-14.5-1-	7.0	322-	15-1-1-	-3-	1-	-4-3-2-2-	-3-2-	-	-	5.22																						
0A-40.4094-102.5117-2-08-	0-C06079-06/14/77-18-	30-14.0-0-	7.0	330-	15-1-1-	-3-	1-	-4-3-2-2-	-3-2-	-	-	1.75																						
0A-40.4372-102.5303-2-08-	0-C06080-06/14/77-19-	30-17.1-1-	7.1	272-	17-1-1-	-3-	1-	-4-3-2-2-	-3-2-	-	-	1.25																						
0A-40.4675-102.5317-2-08-	0-C06081-06/14/77-19-	30-19.8-1-	7.1	275-	10-1-1-	-3-	1-	-4-3-2-2-	-3-2-	-275-	-	1.15																						
0A-40.4833-102.5096-2-08-	0-C06082-06/14/77-19-	29-14.2-0-	7.1	265-	20-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	1.46																						
0A-40.4958-102.5506-2-08-	0-C06083-06/14/77-19-	29-14.0-0-	7.1	270-	18-1-1-	-1-3-	-	-4-3-2-1-	-3-2-	5-300-	-240-	1.97																						
0A-40.4092-102.5454-2-08-	0-C06084-06/15/77-9-	26-14.5-1-	5.9	320-	17-1-1-	-	2-1-	-4-3-2-1-	-3-2-	5-345-	-210-	3.06																						
0A-40.4097-102.5856-2-08-	0-C06085-06/15/77-9-	25-14.0-0-	7.1	270-	14-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-325-	-	2.07																						
0A-40.4389-102.5764-2-08-	0-C06086-06/15/77-10-	27-14.0-0-	7.1	250-	18-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-250-	-230-	1.65																						
0A-40.4825-102.5683-2-08-	0-C06089-06/15/77-11-	32-17.8-0-	7.3	215-	18-1-1-	-3-	2-	-4-3-2-1-	-3-2-	-	-	1.15																						
0A-40.4819-102.5306-2-08-	0-C06090-06/15/77-11-	31-14.2-0-	7.3	240-	17-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-350-	-	1.25																						
0A-40.3589-00.0000-2-08-	0-C06091-06/15/77-12-	32-17.4-0-	7.2	250-	16-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	2.50																						
0A-40.3719-102.7422-2-08-	0-C06092-06/15/77-12-	33-19.3-0-	7.3	285-	6-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-250-	-	2.71																						
0A-40.3358-102.7272-2-08-	0-C06093-06/15/77-12-	32-17.8-1-	5.8	265-	18-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	1.90																						
0A-40.3422-102.6897-2-08-	0-C06094-06/15/77-13-	31-14.1-1-	5.9	312-	12-1-1-	-3-	3-1-	-4-3-2-1-	-3-2-	4-200-	-185-	3.35																						
0A-40.3228-102.6732-2-08-	0-C06095-06/15/77-13-	31-14.8-1-	5.8	347-	13-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	5.28																						
0A-40.3081-00.0000-2-08-	0-C06096-06/15/77-13-	32-14.9-1-	7.0	305-	17-1-1-	-3-	1-	-4-3-2-1-	-3-2-	5-324-	-199-	2.54																						
0A-40.2881-102.7350-2-08-	0-C06097-06/15/77-14-	32-14.5-1-	7.2	225-	15-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-300-	-	3.22																						
0A-40.2572-102.7361-2-08-	0-C06098-06/15/77-15-	32-14.0-0-	7.4	277-	15-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	1.90																						
0A-40.2550-102.7186-2-08-	0-C06099-06/15/77-15-	34-14.9-1-	7.1	290-	16-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	1.90																						
0A-40.2803-102.6937-2-08-	0-C06100-06/15/77-16-	34-19.5-0-	7.1	295-	12-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-330-	-	2.00																						
0A-40.2639-102.6558-2-08-	0-C06101-06/15/77-16-	34-14.0-0-	7.0	260-	10-1-1-	-3-	1-	-4-3-2-1-	-3-2-	5-290-	-175-	1.39																						
0A-40.3228-102.6789-2-08-	0-C06102-06/15/77-16-	34-14.5-1-	7.0	355-	18-1-1-	-2-	1-	-4-3-2-1-	-3-2-	-	-	6.10																						
0A-40.2972-102.6400-2-08-	0-C06103-06/15/77-17-	34-19.1-1-	7.2	310-	12-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-250-	-	2.92																						
0A-40.3236-102.6306-2-08-	0-C06104-06/15/77-17-	34-14.1-1-	5.9	304-	15-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-300-	-	2.80																						
0A-40.3206-102.6506-2-08-	0-C06105-06/15/77-18-	33-14.2-0-	7.1	280-	22-1-1-	-3-	1-	-4-3-2-1-	-3-2-	5-260-	-	2.46																						
0A-40.3656-102.6056-2-08-	0-C06106-06/15/77-18-	32-14.5-1-	7.0	320-	13-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	1.02																						
0A-40.3511-102.5411-2-08-	0-C06107-06/15/77-19-	32-17.0-0-	7.0	295-	16-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-285-	-	3.33																						
0A-40.3517-102.5075-2-08-	0-C06108-06/15/77-19-	31-14.4-0-	7.0	320-	11-1-1-	-3-	1-	-4-3-2-1-	-3-2-	-	-	3.72																						
0A-40.3664-102.5089-2-08-	0-C06109-06/15/77-19-	32-20.0-0-	8.5	265-	10-1-1-	-1-	2-	-4-3-2-1-	-3-2-	-	-	2.90																						
0A-40.2781-102.5072-2-08-	0-C06110-06/15/77-20-	32-20.0-0-	8.4	275-	10-1-1-	-1-	2-	-4-3-2-1-	-3-2-	-	-	1.74																						
0A-40.2636-102.6022-2-08-	0-C06111-06/16/77-11-	25-14.9-1-	5.8	298-	12-1-1-	-2-	1-	-4-3-2-3-	-3-1-	-	-	2.90																						
0A-40.2883-102.6210-2-08-	0-C06112-06/16/77-11-	25-14.1-1-	5.8	282-	24-1-1-	-3-	1-	-4-3-2-3-	-3-2-	-	-	3.47																						
0A-40.3222-102.6051-2-08-	0-C06113-06/16/77-	-	5.9	220-	17-1-1-	-3-	1-	-4-3-2-3-	-3-2-	6-240-	-165-	2.10																						
0A-40.3389-102.5900-2-08-	0-C06114-06/16/77-12-	22-14.2-0-	7.0	345-	22-1-1-	-2-	1-	-4-3-2-4-	-3-2-	-	-	5.33																						
0A-40.3231-102.5544-2-08-	0-C06115-06/16/77-12-	21-14.9-1-	7.0	285-	12-1-1-	-3-	1-	-4-3-2-4-	-3-2-	-305-	-172-	0.10																						
0A-40.3203-102.5303-2-08-	0-C06116-06/16/77-12-	21-14.0-0-	5.9	300-	15-1-1-	-3-	1-	-4-3-2-3-	-3-2-	-350-	-	3.41																						
0A-40.3053-102.5486-2-08-	0-C06117-06/16/77-13-	25-14.8-1-	7.0	235-	10-1-1-	-2-	1-	-4-3-2-3-	-3-2-	-325-	-	2.98																						
0A-40.2619-102.5131-2-08-	0-C06118-06/16/77-13-	27-14.5-1-	7.1	354-	11-1-1-	-3-	1-	-4-3-2-2-	-3-2-	5-140-	-112-	3.68																						
0A-40.2714-102.5650-2-08-	0-C06119-06/16/77-14-	27-14.2-0-	7.2	308-	15-1-1-	-3-	1-	-4-3-2-2-	-3-2-	-	-	3.47																						











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 (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
							DATE	HOUR																										
OR-40	5122-102	4196-2-08-	0-C06289	06/27/77-10-	30-10.9-	-	5.8	250-	9-1-1-	-	-	-	7.1	250-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.45	
OR-40	5325-102	3996-2-08-	0-C06290	06/26/77-10-	30-20.1-	-	5.9	250-	11-1-1-	-	-	-	5.9	300-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.45	
OR-40	5486-102	3972-2-08-	0-C06291	06/26/77-10-	30-21.1-	-	5.9	250-	12-1-1-	-	-	-	5.9	300-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.84	
OR-40	6156-102	2833-2-08-	0-C06293	06/24/77-15-	31-17.2-	-	7.1	280-	12-1-1-	-	-	-	7.1	280-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.57	
OR-40	5894-102	3206-2-08-	0-C06295	06/24/77-15-	31-17.5-	-	7.2	250-	10-1-1-	-	-	-	7.2	250-	10-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.85		
OR-40	6011-102	3406-2-08-	0-C06296	06/24/77-15-	31-10.8-	-	7.1	250-	10-1-1-	-	-	-	7.1	250-	10-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.98	
OR-40	5714-102	3514-2-08-	0-C06300	06/26/77-11-	31-21.0-	-	5.9	250-	9-1-1-	-	-	-	5.9	250-	9-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.73	
OR-40	5550-102	3611-2-08-	0-C06301	06/26/77-11-	31-10.5-	-	5.9	270-	11-1-1-	-	-	-	5.9	270-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.88	
OR-40	5142-102	3400-2-08-	0-C06302	06/26/77-12-	31-18.2-	-	7.0	270-	10-1-1-	-	-	-	7.0	270-	10-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.19	
OR-40	5056-102	2975-2-08-	0-C06303	06/26/77-12-	31-21.2-	-	7.0	240-	10-1-1-	-	-	-	7.0	240-	10-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.19	
OR-40	5131-102	2742-2-08-	0-C06304	06/26/77-12-	31-10.9-	-	7.0	250-	10-1-1-	-	-	-	7.0	250-	10-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50	
OR-40	5633-102	3211-2-08-	0-C06307	06/26/77-13-	31-10.9-	-	7.1	240-	10-1-1-	-	-	-	7.1	240-	10-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.79	
OR-40	4894-102	4542-2-08-	0-C06309	06/20/77-11-	22-15.8-C	-	5.6	248-	9-1-7-	-	-	-	5.6	248-	9-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	
OR-40	4969-102	4172-2-08-	0-C06310	06/20/77-12-	22-15.0-C	-	5.5	300-	13-1-7-	-	-	-	5.5	300-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.72	
OR-40	4678-102	4225-2-08-	0-C06311	06/20/77-13-	24-13.7-	-	5.7	330-	15-1-7-	-	-	-	5.7	330-	15-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.67	
OR-40	4686-102	3003-2-08-	0-C06312	06/20/77-13-	24-13.8-C	-	5.5	650-	11-1-7-	-	-	-	5.5	650-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20	
OR-40	4522-102	3772-2-08-	0-C06313	06/20/77-13-	24-15.9-	-	5.8	429-	10-1-7-	-	-	-	5.8	429-	10-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.78	
OR-40	4250-102	4739-2-08-	0-C06314	06/20/77-14-	23-15.0-C	-	5.6	295-	13-1-7-	-	-	-	5.6	295-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.93	
OR-40	4017-102	4725-2-08-	0-C06315	06/20/77-15-	24-14.7-C	-	5.7	244-	13-1-7-	-	-	-	5.7	244-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.96	
OR-40	3831-102	4917-2-08-	0-C06316	06/20/77-15-	24-15.0-C	-	5.6	310-	14-1-7-	-	-	-	5.6	310-	14-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.42	
OR-40	4156-102	4536-2-08-	0-C06317	06/20/77-16-	24-15.0-C	-	5.6	290-	15-1-7-	-	-	-	5.6	290-	15-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52	
OR-40	3964-102	4156-2-08-	0-C06318	06/20/77-17-	24-14.0-	-	5.6	225-	1-1-7-	-	-	-	5.6	225-	1-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.31	
OR-40	4175-102	3988-2-08-	0-C06319	06/20/77-18-	24-15.3-C	-	5.5	280-	6-1-7-	-	-	-	5.5	280-	6-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.42	
OR-40	4061-102	3828-2-08-	0-C06320	06/20/77-19-	22-21.5-C	-	5.8	275-	28-1-7-	-	-	-	5.8	275-	28-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.51	
OR-40	3953-102	3733-2-08-	0-C06321	06/20/77-20-	21-14.4-	-	5.6	275-	7-1-7-	-	-	-	5.6	275-	7-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.61	
OR-40	4489-102	3314-2-08-	0-C06322	06/21/77-11-	21-18.0-C	-	5.8	282-	15-1-7-	-	-	-	5.8	282-	15-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.38	
OR-40	4622-102	3419-2-08-	0-C06323	06/21/77-12-	24-10.0-C	-	7.1	271-	22-1-7-	-	-	-	7.1	271-	22-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.69	
OR-40	4892-102	3125-2-08-	0-C06324	06/21/77-12-	27-16.0-C	-	5.6	292-	10-1-7-	-	-	-	5.6	292-	10-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.31	
OR-40	4767-102	2975-2-08-	0-C06325	06/21/77-13-	29-20.0-C	-	7.1	250-	0-1-7-	-	-	-	7.1	250-	0-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57	
OR-40	4831-102	2683-2-08-	0-C06327	06/21/77-13-	27-15.0-	-	5.5	331-	17-1-7-	-	-	-	5.5	331-	17-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.77	
OR-40	4633-102	2628-2-08-	0-C06328	06/21/77-13-	27-22.3-C	-	8.3	147-	22-1-7-	-	-	-	8.3	147-	22-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.75	
OR-40	4211-102	2550-2-08-	0-C06329	06/21/77-14-	32-15.0-C	-	5.8	235-	13-1-7-	-	-	-	5.8	235-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.61	
OR-40	3828-102	2751-2-08-	0-C06330	06/21/77-16-	30-25.0-C	-	8.1	200-	12-1-7-	-	-	-	8.1	200-	12-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.13	
OR-40	4117-102	2933-2-08-	0-C06331	06/21/77-17-	31-24.1-C	-	8.0	213-	19-1-7-	-	-	-	8.0	213-	19-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.98	
OR-40	4239-102	3258-2-08-	0-C06332	06/21/77-17-	29-14.0-C	-	5.5	181-	10-1-7-	-	-	-	5.5	181-	10-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.83	
OR-40	4086-102	3192-2-08-	0-C06333	06/21/77-18-	29-14.2-	-	5.5	233-	13-1-7-	-	-	-	5.5	233-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.12	
OR-40	3561-102	2644-2-08-	0-C06334	06/21/77-18-	27-15.0-C	-	5.5	270-	16-1-7-	-	-	-	5.5	270-	16-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.86	
OR-40	4406-102	2508-2-08-	0-C06335	06/21/77-14-	29-14.8-C	-	5.6	350-	18-1-7-	-	-	-	5.6	350-	18-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.49	
OR-40	3739-102	4399-2-08-	0-C06336	06/22/77-8-	20-15.0-	-	5.4	308-	22-1-7-	-	-	-	5.4	308-	22-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.99	
OR-40	3614-102	4011-2-08-	0-C06337	06/22/77-8-	20-15.0-	-	5.2	265-	20-1-7-	-	-	-	5.2	265-	20-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.54	
OR-40	3664-102	4081-2-08-	0-C06338	06/22/77-9-	23-15.0-	-	5.5	277-	19-1-7-	-	-	-	5.5	277-	19-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.74	
OR-40	3544-102	4722-2-08-	0-C06339	06/22/77-9-	23-15.0-	-	5.3	200-	20-1-7-	-	-	-	5.3	200-	20-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.46	
OR-40	3358-102	4851-2-08-	0-C06340	06/22/77-10-	23-14.3-	-	5.5	312-	20-1-7-	-	-	-	5.5	312-	20-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.67	
OR-40	3072-102	4822-2-08-	0-C06341	06/22/77-11-	25-15.2-	-	5.5	300-	6-1-7-	-	-	-	5.5	300-	6-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.12	
OR-40	2978-102	4981-2-08-	0-C06342	06/22/77-12-	27-15.0-C	-	5.4	322-	18-1-7-	-	-	-	5.4	322-	18-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.18	
OR-40	2647-102	4851-2-08-	0-C06343	06/22/77-12-	27-14.2-	-	5.6	315-	15-1-7-	-	-	-	5.6	315-	15-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.62	
OR-40	3192-102	4619-2-08-	0-C06344	06/22/77-13-	28-24.0-C	-	7.9	272-	10-1-7-	-	-	-	7.9	272-	10-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.82	
OR-40	3108-102	4378-2-08-	0-C06345	0																														

## 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 (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (N) UNITS IN ppb
							DATE	HOUR																										
0A-40	3783-102	3203-2-08	0-C06349	06/21/77-18	25-13.0	5.6	250	15-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.75		
0A-40	3556-102	3122-2-08	0-C06350	06/21/77-19	25-10.4	5.4	300	16-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.59		
0A-40	3525-102	3428-2-08	0-C06351	06/21/77-20	21-14.3	5.7	500	20-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.05		
0A-40	3311-102	3651-2-08	0-C06352	06/22/77-15	30-14.8	5.9	242	15-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.06		
0A-40	3092-102	3450-2-08	0-C06353	06/22/77-14	31-15.4	5.8	253	20-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.50		
0A-40	3092-102	3283-2-08	0-C06354	06/22/77-15	28-16.2	5.8	295	10-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.92		
0A-40	3178-102	3133-2-08	0-C06355	06/22/77-16	30-15.8	5.6	300	20-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.33		
0A-40	3417-102	2897-2-08	0-C06356	06/22/77-16	29-13.0	5.4	408	12-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27		
0A-40	3375-102	2581-2-08	0-C06357	06/22/77-18	24-15.0	5.5	288	20-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.75		
0A-40	3067-102	2633-2-08	0-C06358	06/22/77-18	23-14.0	5.6	335	2-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.28		
0A-40	3078-102	2819-2-08	0-C06359	06/22/77-19	23-14.0	5.8	240	18-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.24		
0A-40	2617-102	2647-2-08	0-C06360	06/22/77-19	23-15.0	5.5	281	3-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.24		
0A-40	2561-102	3142-2-08	0-C06361	06/22/77-19	22-15.0	5.6	280	4-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34		
0A-40	2706-102	3253-2-08	0-C06362	06/22/77-19	22-19.1	5.5	500	23-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.72		
0A-40	2600-102	3575-2-08	0-C06363	06/23/77-8	25-19.0	5.9	-	20-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.27		
0A-40	1478-102	4897-2-08	0-C06364	06/16/77-15	27-14.8	7.3	308	6-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.93		
0A-40	1650-102	4742-2-08	0-C06365	06/16/77-17	27-22.5	7.4	310	23-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.47		
0A-40	2075-102	4853-2-08	0-C06366	06/16/77-17	29-15.7	7.3	305	17-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.97		
0A-40	2361-102	4056-2-08	0-C06367	06/16/77-18	26-15.0	7.1	315	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.86		
0A-40	2219-102	4536-2-08	0-C06368	06/16/77-18	27-13.4	7.1	352	11-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.75		
0A-40	2381-102	4372-2-08	0-C06369	06/16/77-18	27-15.0	5.8	298	19-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.96		
0A-40	1436-102	4519-2-08	0-C06370	06/17/77-7	22-18.4	7.1	328	12-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.91		
0A-40	1594-102	4450-2-08	0-C06371	06/17/77-8	22-17.1	7.1	290	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.81		
0A-40	1889-102	4325-2-08	0-C06372	06/17/77-8	22-15.9	7.2	295	11-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.71		
0A-40	2072-102	4150-2-08	0-C06373	06/17/77-9	23-14.6	7.1	343	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.01		
0A-40	1931-102	4028-2-08	0-C06374	06/17/77-9	23-20.8	7.2	317	11-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.78		
0A-40	1422-102	3960-2-08	0-C06375	06/17/77-9	25-14.6	7.0	295	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.95		
0A-40	1292-102	3792-2-08	0-C06376	06/17/77-10	24-14.0	7.0	288	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.33		
0A-40	1497-102	3872-2-08	0-C06377	06/17/77-10	25-15.9	7.1	305	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.29		
0A-40	1733-102	4144-2-08	0-C06378	06/17/77-11	23-15.4	7.1	310	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.08		
0A-40	1747-102	4350-2-08	0-C06379	06/17/77-11	24-14.3	7.1	290	12-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77		
0A-40	2447-102	2997-2-08	0-C06380	06/18/77-8	22-20.5	5.3	335	16-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.74		
0A-40	2350-102	2681-2-08	0-C06381	06/18/77-9	23-14.1	5.7	302	17-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.98		
0A-40	2089-102	2539-2-08	0-C06382	06/18/77-9	24-14.6	5.8	295	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.22		
0A-40	1742-102	2583-2-08	0-C06383	06/18/77-9	25-15.3	5.9	320	24-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.22		
0A-40	2058-102	3011-2-08	0-C06384	06/18/77-10	24-17.3	7.0	305	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.41		
0A-40	2206-102	3344-2-08	0-C06385	06/18/77-10	26-17.9	5.8	315	5-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60		
0A-40	2197-102	3883-2-08	0-C06386	06/18/77-10	23-15.1	5.9	321	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.24		
0A-40	2439-102	3528-2-08	0-C06387	06/18/77-11	24-14.1	5.9	340	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.14		
0A-40	1911-102	3747-2-08	0-C06388	06/18/77-11	27-20.8	7.8	230	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63		
0A-40	1992-102	3442-2-08	0-C06389	06/18/77-11	27-14.4	7.0	311	19-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.13		
0A-40	1272-102	3544-2-08	0-C06390	06/18/77-12	27-17.5	5.8	295	17-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.86		
0A-40	1397-102	3319-2-08	0-C06391	06/18/77-12	28-14.8	5.9	293	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.85		
0A-40	1597-102	3500-2-08	0-C06392	06/18/77-13	28-15.5	7.0	270	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.95		
0A-40	1758-102	3154-2-08	0-C06393	06/18/77-13	27-15.2	7.1	252	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.64		
0A-40	1825-102	2817-2-08	0-C06394	06/18/77-14	26-15.9	7.1	295	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.73		
0A-40	0797-102	2578-2-08	0-C06395	06/18/77-15	28-14.8	7.0	488	12-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.13		
0A-40	1033-102	4722-2-08	0-C06396	06/17/77-12	30-15.8	5.9	320	11-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.55		
0A-40	1061-102	4397-2-08	0-C06397	06/17/77-13	29-13.4	7.0	340	19-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.23		
0A-40	1208-102	3806-2-08	0-C06398	06/17/77-13	28-14.0	7.0	353	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60		
0A-40	0883-102	3783-2-08	0-C06399	06/17/77-14	30-15.2	5.9	269	13-																										







## 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 (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)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
							DATE	HOUR																										
0A-40.9472-102.0128-2-09	0-C06451-06/20/77-14	24-02-5-C	7.1	58	12-1-1-5-6-1-6-3-	4-4-2-2-	3-	-	-	-	2.00																							
0A-40.9550-102.0517-2-08	0-C06452-06/20/77-14	25-1-2-B	7.0	232	20-1-1-1-	2-1-	4-3-2-2-	3-2-	-	320	1.00																							
0A-40.9247-102.0822-2-08	0-C06453-06/20/77-14	24-1-2-7-	7.2	240	19-1-1-1-	2-1-	4-3-2-2-	3-2-	-	-	1.80																							
0A-40.9842-102.1231-2-08	0-C06454-06/21/77-7	17-1-7-2-C	9.2	185	16-1-1-1-	1-1-	4-3-2-3-	3-1-	-	-	1.90																							
0A-40.8722-102.2472-2-08	0-C06455-06/21/77-8	17-1-2-7-	5.8	272	15-1-1-1-	2-1-	4-3-2-3-	3-3-	5-365	300	1.50																							
0A-40.8667-102.2047-2-08	0-C06456-06/21/77-8	19-1-2-6-B	7.0	290	16-1-1-1-	2-1-	4-3-2-3-	3-2-	2-300	285	2.55																							
0A-40.8458-102.1881-2-08	0-C06457-06/21/77-9	19-1-2-2-B	5.9	302	19-1-1-1-	2-1-	4-3-2-3-	3-3-	-	-	1.42																							
0A-40.8694-102.1517-2-08	0-C06458-06/21/77-9	18-1-2-5-	7.0	304	25-1-1-1-	2-1-	4-3-2-3-	3-2-	4-340	230	2.17																							
0A-40.8214-102.1836-2-08	0-C06459-06/21/77-9	22-1-2-7-	7.0	285	18-1-1-1-	2-1-	4-3-2-3-	3-3-	-	330	2.62																							
0A-40.8314-102.1581-2-08	0-C06460-06/21/77-10	23-1-2-2-	7.1	288	13-1-1-1-	5-2-	4-3-2-3-	3-6-	-	250	1.89																							
0A-40.7789-102.1308-2-08	0-C06461-06/21/77-10	24-1-2-1-	7.1	318	25-1-1-1-	2-1-	4-3-2-3-	3-2-	-	260	2.84																							
0A-40.7581-102.1314-2-08	0-C06462-06/21/77-11	24-1-2-3-	7.2	273	12-1-1-1-	2-1-	4-3-2-3-	3-3-	5-230	180	1.81																							
0A-40.7775-102.1608-2-08	0-C06463-06/21/77-11	24-1-2-9-	7.1	252	12-1-1-1-	2-1-	4-3-2-3-	3-2-	-	-	1.38																							
0A-40.8047-102.1822-2-08	0-C06464-06/21/77-11	25-1-2-9-	7.1	278	12-1-1-1-	2-1-	4-3-2-3-	3-2-	4-262	-	1.27																							
0A-40.7628-102.1075-2-08	0-C06465-06/21/77-12	26-1-2-8-	5.9	285	9-1-1-1-	2-1-	4-3-2-3-	3-2-	-	-	2.07																							
0A-40.7528-102.2283-2-08	0-C06466-06/21/77-12	26-1-2-9-	5.9	310	11-1-1-1-	2-1-	4-3-2-3-	3-3-	5-265	-	5.63																							
0A-40.7756-102.2259-2-08	0-C06467-06/21/77-12	25-1-2-1-	7.1	292	16-1-1-1-	2-1-	4-3-2-2-	3-3-	5-300	200	2.63																							
0A-40.8050-102.2297-2-08	0-C06468-06/21/77-13	28-1-2-0-	7.0	360	18-1-1-1-	2-1-	4-3-2-2-	3-2-	-	-	2.21																							
0A-40.8317-102.2257-2-08	0-C06469-06/21/77-13	28-1-2-0-	7.0	292	9-1-1-1-	4-1-	4-3-2-2-	3-3-	5-300	240	4.30																							
0A-40.8617-102.0736-2-08	0-C06470-06/20/77-15	24-1-2-5-	7.0	304	8-1-1-1-	2-1-	4-3-2-3-	3-2-	-	385	1.54																							
0A-40.8475-102.1131-2-08	0-C06471-06/20/77-15	24-1-2-2-	7.0	298	17-1-1-1-	2-1-	4-3-2-3-	3-3-	-	-	2.06																							
0A-40.8364-102.0931-2-08	0-C06472-06/20/77-16	24-1-2-2-	7.0	289	15-1-1-1-	2-1-	4-3-2-3-	3-3-	-	312	2.26																							
0A-40.7939-102.0750-2-08	0-C06474-06/20/77-16	24-1-2-3-	7.1	271	12-1-1-1-	2-1-	4-3-2-3-	3-2-	-	-	2.36																							
0A-40.8167-102.0556-2-08	0-C06475-06/20/77-16	24-1-2-2-	7.0	289	15-1-1-1-	4-1-	4-3-2-3-	3-2-	-	320	3.82																							
0A-40.7781-102.0789-2-08	0-C06476-06/20/77-16	24-1-2-5-	5.9	290	17-1-1-1-	4-1-	4-3-2-3-	3-2-	-	200	3.04																							
0A-40.7636-102.0750-2-08	0-C06477-06/20/77-17	23-1-2-3-	7.0	288	12-1-1-1-	2-1-	4-3-2-3-	3-3-	-	230	2.05																							
0A-40.7636-102.1083-2-08	0-C06478-06/20/77-17	23-1-2-2-	5.9	285	20-1-1-1-	2-1-	4-3-2-3-	3-3-	-	250	1.67																							
31-40.7561-102.0251-2-08	0-C06479-06/20/77-18	23-1-2-0-	7.0	305	13-1-1-1-	2-1-	4-3-2-3-	3-3-	4-230	180	2.42																							
31-40.7672-102.0130-2-08	0-C06480-06/20/77-19	22-1-2-5-	7.0	285	15-1-1-1-	2-1-	4-3-2-3-	3-2-	4-150	-	2.35																							
31-40.8306-102.0311-2-08	0-C06482-06/20/77-19	22-1-2-5-	7.1	300	23-1-1-1-	2-1-	4-3-2-3-	3-3-	5-300	-	3.18																							
31-40.8719-102.0308-2-08	0-C06484-06/20/77-20	21-1-2-4-	7.0	298	15-1-1-1-	2-1-	4-3-2-3-	-	3	5-330	250	5.26																						
0A-40.6306-102.2239-2-08	0-C06485-06/18/77-10	25-1-2-2-	5.9	275	15-1-1-1-	-	1-	4-3-2-2-	1-5-	5-120	90	1.98																						
0A-40.6561-102.2222-2-08	0-C06486-06/18/77-11	26-1-2-3-	7.0	288	15-1-1-1-	-	1-	4-3-2-1-	1-3-	-	-	2.96																						
0A-40.6858-102.2258-2-08	0-C06487-06/18/77-11	26-1-2-1-	7.1	287	11-1-1-1-	-	1-	4-3-2-1-	1-3-	-	-	2.19																						
0A-40.6844-102.2181-2-08	0-C06488-06/18/77-11	25-1-2-7-	7.0	293	14-1-1-1-	-	1-	4-3-2-1-	1-3-	4-165	150	3.05																						
0A-40.7089-102.1881-2-08	0-C06489-06/18/77-12	25-1-2-1-	7.0	300	10-1-1-1-	-	1-	4-3-2-2-	3-4-	-	-	4.72																						
0A-40.7042-102.2336-2-08	0-C06490-06/18/77-13	27-1-2-6-C	5.9	292	17-1-1-1-	-	1-	4-3-2-3-	3-	-	-	3.01																						
0A-40.7250-102.2153-2-08	0-C06491-06/18/77-13	29-1-2-9-C	7.0	278	15-1-1-1-	-	1-	4-3-2-3-	1-4-	-	-	2.33																						
0A-40.7478-102.1072-2-08	0-C06492-06/18/77-13	27-1-2-2-	7.1	305	14-1-1-1-	-	1-	4-3-1-3-	1-3-	-	-	2.50																						
0A-40.7478-102.1528-2-08	0-C06493-06/18/77-14	25-1-2-8-C	7.0	319	16-1-1-1-	-	1-	4-3-2-3-	1-8-	-	-	2.50																						
0A-40.7128-102.1314-2-08	0-C06494-06/18/77-14	28-1-2-8-	5.8	280	10-1-1-1-	-	1-	4-3-2-2-	1-4-	-	-	3.20																						
0A-40.7067-102.1559-2-08	0-C06495-06/18/77-15	28-1-2-4-	7.1	290	13-1-1-1-	-	1-	4-3-2-1-	1-7-	-	-	4.60																						
0A-40.6714-102.1839-2-08	0-C06496-06/18/77-15	28-1-2-1-C	7.1	250	15-1-1-1-	-	1-	4-3-2-2-	1-3-	5-230	180	2.40																						
0A-40.6483-102.1836-2-08	0-C06497-06/18/77-15	26-1-2-9-	5.9	295	14-1-1-1-	-	1-	4-3-1-3-	3-3-	-	-	3.00																						
0A-40.6350-102.1642-2-08	0-C06498-06/18/77-16	26-1-2-4-C	7.0	281	15-1-1-1-	-	1-	4-3-2-3-	1-3-	-	105	2.90																						
0A-40.6286-102.1386-2-08	0-C06499-06/18/77-16	26-1-2-8-	7.1	270	14-1-1-1-	-	1-	4-3-1-3-	3-3-	5-200	100	3.22																						
0A-40.6631-102.1278-2-08	0-C06500-06/18/77-17	24-1-2-3-	7.0	283	14-1-1-1-	-	1-	4-3-2-3-	1-3-	-	-	3.74																						
0A-40.6411-102.1228-2-08	0-C06501-06/18/77-17	25-1-2-0-	7.0	265	12-1-1-1-	-	1-	4-3-2-3-	1-4-	-	-	2.62																						
0A-40.6469-102.0881-2-08	0-C06502-06/18/77-17	23-1-2-0-	7.0	292	8-1-1-1-	-	1-	4-3-2-2-	1-3-	5-80	260	4.05																						
0A-40.6319-102.0514-2-08	0-C06503-06/18/77-18	28-1-2-4-C	7.1	270	14-1-1-1-	-	1-	4-3-1-2-	3-2-	-	-	2.87																						
31-40.6619-102.0506-2-08	0-C06504-06/18/77-18	22-1-2-7-	7.0	272	16-1-1-1-	-	1-	4-3-1-3-	3-3-	6-160	100	3.42																						

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 (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (x) UNITS IN ppb
							DATE	HOUR																										
0A-40.6753-102.0947-2-08-	0-C06505-06/19/77-18-	22-14.0-C	7.1-	291-	14-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.84		
0A-40.6783-102.1122-2-08-	0-C06506-06/19/77-19-	22-15.0-C	5.9-	295-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.37		
0A-40.7497-102.1051-2-08-	0-C06507-06/19/77-9-	20-19.2-C	6.9-	309-	16-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.39		
0A-40.7325-102.0753-2-08-	0-C06508-06/19/77-9-	20-12.6-C	5.9-	303-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.93		
31-40.7408-102.0292-2-08-	0-C06509-06/19/77-10-	20-17.0-C	5.9-	302-	14-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.26		
31-40.6986-102.0186-2-08-	0-C06510-06/19/77-10-	22-16.2-C	7.1-	298-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.56		
31-40.7033-102.0517-2-08-	0-C06511-06/19/77-11-	22-16.9-C	5.9-	300-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.95		
0A-40.6858-102.0603-2-08-	0-C06512-06/19/77-11-	22-15.9-C	7.5-	295-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.48		
31-40.6750-102.0257-2-08-	0-C06513-06/19/77-11-	22-14.0-C	7.1-	300-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.29		
31-40.6633-102.0083-2-08-	0-C06514-06/19/77-12-	22-17.9-C	5.9-	370-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.72		
31-40.6453-102.0067-2-08-	0-C06515-06/19/77-12-	20-12.1-C	7.0-	278-	8-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.23		
0A-40.5708-102.1489-2-08-	0-C06516-06/19/77-12-	24-15.2-C	7.2-	280-	18-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.66		
0A-40.5500-102.1483-2-08-	0-C06517-06/19/77-13-	22-14.9-C	7.0-	284-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.45		
0A-40.5131-102.1547-2-08-	0-C06518-06/19/77-13-	23-15.0-C	7.0-	337-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.99		
0A-40.5272-102.1758-2-08-	0-C06519-06/19/77-13-	22-15.7-C	7.0-	290-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.66		
0A-40.5117-102.2172-2-08-	0-C06520-06/19/77-14-	22-14.8-C	7.1-	289-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40		
0A-40.5275-102.2347-2-08-	0-C06521-06/19/77-14-	22-12.0-C	7.0-	324-	10-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
0A-40.5458-102.2436-2-08-	0-C06522-06/19/77-14-	24-14.0-C	5.9-	304-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80		
0A-40.5483-102.2050-2-08-	0-C06523-06/19/77-14-	24-14.1-C	7.0-	293-	14-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.79		
0A-40.6006-102.2433-2-08-	0-C06524-06/19/77-15-	23-14.2-C	7.0-	258-	16-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80		
0A-40.6192-102.2433-2-08-	0-C06525-06/19/77-16-	24-14.4-C	7.0-	250-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.63		
0A-40.6153-102.1908-2-08-	0-C06526-06/19/77-15-	24-15.2-C	7.0-	257-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.55		
0A-40.5933-102.1778-2-08-	0-C06527-06/19/77-16-	25-14.0-C	7.0-	309-	15-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.91		
0A-40.6244-102.1656-2-08-	0-C06528-06/20/77-8-	20-15.4-C	5.9-	277-	10-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.73		
0A-40.5858-102.2156-2-08-	0-C06529-06/20/77-9-	21-13.8-C	7.0-	345-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.64		
0A-40.5853-102.1225-2-08-	0-C06530-06/20/77-9-	22-16.0-C	5.9-	385-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.96		
0A-40.5519-102.1106-2-08-	0-C06531-06/19/77-16-	25-13.5-C	7.0-	345-	7-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.39		
0A-40.5278-102.1208-2-08-	0-C06532-06/19/77-17-	24-14.5-C	7.0-	304-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.77	
0A-40.5331-102.0908-2-08-	0-C06533-06/19/77-17-	24-15.4-C	7.0-	303-	8-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.99	
0A-40.5125-102.0808-2-08-	0-C06534-06/19/77-17-	24-16.0-C	7.0-	300-	14-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.57	
0A-40.5111-102.0711-2-08-	0-C06535-06/19/77-18-	22-14.2-C	5.9-	291-	8-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.58	
31-40.5383-102.0219-2-08-	0-C06536-06/19/77-18-	22-13.8-C	5.9-	379-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.91	
0A-40.5861-102.1092-2-08-	0-C06537-06/20/77-9-	22-13.8-C	7.0-	310-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.82	
0A-40.6050-102.0914-2-08-	0-C06538-06/20/77-10-	22-15.1-C	7.0-	290-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.82	
0A-40.6172-102.0517-2-08-	0-C06539-06/20/77-10-	22-14.2-C	7.0-	277-	15-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30	
31-40.6072-102.0269-2-08-	0-C06540-06/20/77-10-	22-15.0-C	5.9-	285-	14-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.12	
31-40.5811-102.0159-2-08-	0-C06541-06/20/77-11-	23-15.5-C	5.9-	289-	16-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.84	
31-40.5667-102.0083-2-08-	0-C06542-06/20/77-11-	24-14.7-C	5.9-	357-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
31-40.5814-102.0447-2-08-	0-C06543-06/20/77-11-	24-15.8-C	5.9-	399-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.01	
0A-40.5569-102.0653-2-08-	0-C06544-06/20/77-12-	24-13.4-C	7.0-	291-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.12	
0A-40.4111-102.1278-2-08-	0-C06545-06/30/77-18-	24-18.9-C	5.6-	354-	8-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.90	
0A-40.4331-102.1417-2-08-	0-C06546-06/30/77-18-	25-16.0-C	5.7-	270-	8-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.77	
0A-40.4197-102.1572-2-08-	0-C06547-06/30/77-19-	22-15.2-C	5.7-	269-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.26	
0A-40.3972-102.1739-2-08-	0-C06548-06/30/77-20-	19-13.4-C	5.6-	320-	9-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.18	
0A-40.4247-102.1883-2-08-	0-C06549-06/30/77-20-	16-16.0-C	5.7-	250-	10-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
0A-40.4367-102.1814-2-08-	0-C06550-07/01/77-6-	14-10.0-C	7.5-	232-	9-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
0A-40.4544-102.1758-2-08-	0-C06551-07/01/77-7-	14-14.9-C	5.9-	510-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.97	
0A-40.3881-102.2322-2-08-	0-C06552-07/01/77-8-	19-15.4-C	5.8-	390-	9-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.86	
0A-40.4139-102.2089-2-08-	0-C06553-07/01/77-8-	22-15.0-C	5.7-	255-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.76	
0A-40.4394-102.2257-2-08-	0-C06554-07/01/																																	





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

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA															U CONCENTRATION														
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*)	UNITS IN ppb
							DATE	HOUR																											
0A-40.1369-102.1917-2-08-	0-C06607-06/23/77-13-	32-17.0	0-C-	5.5-	246-	12-1-7-	-2-	31-	-4-3-2-2-	-3-2-	5-11A	62-	1.87																						
0A-40.1619-102.1889-2-08-	0-C06608-06/23/77-13-	31-14.0	0-C-	5.5-	290-	20-1-7-	-2-2-1-	-4-3-2-2-	-3-2-	5-9B	50-	3.82																							
0A-40.1725-102.1883-2-08-	0-C06609-06/23/77-14-	31-17.0	0-C-	5.5-	305-	18-1-7-	-2-	31-	-4-4-2-2-	-3-2-			5.33																						
0A-40.1925-102.1889-2-08-	0-C06610-06/23/77-15-	32-16.0	0-C-	5.6-	320-	15-1-7-	-2-	31-	-4-3-2-2-	-3-2-	6+ 6A	35-	5.24																						
0A-40.2072-102.1933-2-08-	0-C06611-06/23/77-15-	32-18.0	0-C-	5.5-	468-	16-1-7-	-2-	31-	-4-3-2-2-	-3-1-	5-		7.85																						
0A-40.2150-102.1356-2-08-	0-C06612-06/23/77-17-	32-14.0	0-C-	5.6-	239-	9-1-7-	-2-	31-	-4-4-2-2-	-3-2-	4+17A	20-	4.41																						
0A-40.2289-102.1481-2-08-	0-C06613-06/23/77-18-	27-14.0	0-C-	5.7-	210-	21-1-7-	-2-	31-	-4-3-2-2-	-3-1-	5-		2.35																						
0A-40.1333-102.2053-2-08-	0-C06614-06/25/77-18-	28-18.0	0-C-	5.5-		15-1-1-	-2-	31-	-4-3-2-1-	-3-1-	6-		3.62																						
0A-40.1764-102.1714-2-08-	0-C06615-06/25/77-18-	27-18.0	0-C-	5.6-		21-1-1-	-2-	31-	-4-3-2-1-	-3-2-	5-20A	35-	5.17																						
0A-40.1817-102.1386-2-08-	0-C06616-06/25/77-19-	28-18.0	0-C-	5.7-	350-	16-1-1-	-2-	31-	-4-4-2-1-	-3-6-	16-		7.04																						
0A-40.1456-102.1058-2-08-	0-C06617-06/23/77-19-	27-18.0	0-C-	5.5-	260-	14-1-7-	-2-	31-	-4-3-2-3-	-3-1-	5-		2.45																						
0A-40.1886-102.0839-2-08-	0-C06618-06/23/77-19-	27-13.0	0-C-	5.5-	240-	11-1-7-	-2-	31-	-4-3-2-2-	-3-1-	4-		3.15																						
0A-40.2156-102.0914-2-08-	0-C06619-06/23/77-20-	24-13.5	0-C-	5.7-	162-	8-1-1-	-2-	31-	-4-3-2-2-	-3-1-	4-		2.78																						
0A-40.2414-102.0742-2-08-	0-C06620-06/23/77-20-	24-12.2	0-C-	5.6-	250-	11-1-1-	-2-2-1-	-4-4-2-2-	-3-2-	6- 3A	20-	6.11																							
31-40.2381-102.0456-2-08-	0-C06621-06/24/77-9-	26-14.0	0-C-	5.6-	520-	20-1-7-	-2-3-1-	-4-4-2-1-	-3-2-	5- 4A		64.20*																							
31-40.2492-102.0292-2-08-	0-C06622-06/24/77-9-	28-	0-C-	5.9-	280-	10-1-1-	-2-3-1-	-4-4-2-1-	-3-6-	16-32A	40-	6.89																							
0A-40.2069-102.0554-2-08-	0-C06623-06/24/77-10-	27-24.0	0-C-	5.8-	311-	15-1-1-	-2-	31-	-4-3-2-1-	-3-2-			2.22																						
0A-40.1858-102.0519-2-08-	0-C06624-06/24/77-10-	27-18.3	0-C-	5.7-	270-	16-1-1-	-2-	31-	-4-4-2-1-	-3-			5.45																						
0A-40.1614-102.0597-2-08-	0-C06625-06/24/77-11-	30-	0-C-	5.7-	318-	13-1-1-	-2-	31-	-4-4-2-2-	-3-2-	5-22A	70-	7.04																						
0A-40.1558-102.0833-2-08-	0-C06626-06/24/77-12-	30-21.0	0-C-	5.2-	370-	14-1-1-	-2-	31-	-4-3-2-2-	-3-2-	5-		2.57																						
0A-40.2072-102.0911-2-08-	0-C06627-06/24/77-13-	27-14.3	0-C-	5.5-	213-	31-1-1-	-2-	31-	-4-3-2-2-	-3-			2.39																						
0A-40.1633-102.0972-2-08-	0-C06628-06/24/77-13-	30-14.3	0-C-	5.5-	313-	11-1-1-	-2-	31-	-4-3-2-2-	-3-1-	5-		3.63																						
0A-40.1417-102.1236-2-08-	0-C06629-06/24/77-14-	26-14.0	0-C-	5.5-	272-	24-1-1-	-2-	31-	-4-3-2-2-	-3-			2.26																						
0A-40.1364-102.0528-2-08-	0-C06630-06/24/77-16-	24-13.2	0-C-	5.6-	272-	14-1-1-	-2-	31-	-4-3-2-3-	-3-1-	5-		3.71																						
0A-40.0158-102.1794-2-08-	0-C06631-06/25/77-10-	24-10.2	0-C-	5.8-	369-	21-1-1-	-2-	31-	-4-4-2-1-	-3-2-	-134-	131-	6.33																						
0A-40.0169-102.1472-2-08-	0-C06632-06/25/77-10-	26-18.9	0-C-	5.5-	350-	30-1-1-	-2-3-1-	-4-4-2-1-	-3-2-	5-165-	139-	4.65																							
0A-40.0308-102.1322-2-08-	0-C06633-06/25/77-11-	29-14.7	0-C-	5.6-	340-	18-1-1-	-2-	31-	-4-4-2-1-	-3-2-	6-15A	50-	6.12																						
0A-40.0597-102.1228-2-08-	0-C06634-06/25/77-11-	20-11.8	0-C-	5.7-	380-	18-1-1-	-2-	31-	-4-4-2-1-	-3-			4.61																						
0A-40.0736-102.1639-2-08-	0-C06635-06/25/77-12-	29-18.5	0-C-	5.6-	680-	19-1-1-	-2-	31-	-4-3-3-1-	-3-1-	5- 8A	60-	13.90*																						
0A-40.0453-102.1859-2-08-	0-C06636-06/25/77-12-	28-14.6	0-C-	5.6-	440-	20-1-1-	-2-	31-	-4-4-2-1-	-3-2-	5-18A		7.84																						
0A-40.0319-102.1781-2-08-	0-C06637-06/25/77-12-	29-14.6	0-C-	5.7-	350-	24-1-1-	-2-	31-	-4-4-2-1-	-3-2-	5-147-	117-	6.37																						
0A-40.0025-102.2314-2-08-	0-C06638-06/25/77-13-	29-18.1	0-C-	5.5-	338-	15-1-1-	-2-	31-	-4-4-2-1-	-3-2-			5.98																						
0A-40.0317-102.2332-2-08-	0-C06639-06/25/77-14-	30-15.4	0-C-	5.5-	325-	21-1-1-	-2-	31-	-4-4-2-1-	-3-2-	5-32A	195-	7.09																						
0A-40.0608-102.2258-2-08-	0-C06640-06/25/77-14-	30-15.4	0-C-	5.7-	320-	15-1-1-	-2-	31-	-4-3-3-1-	-3-2-			7.49																						
0A-40.0778-102.2457-2-07-	0-C06641-06/25/77-15-	20-28.0	0-C-	7.4-	315-	12-1-1-5-6-4-4-	-2-	-4-3-2-1-	-3-				7.88																						
0A-40.0978-102.1583-2-07-	0-C06642-06/25/77-15-	27-20.0	0-C-	7.0-	292-	9-1-1-5-6-3-4-1-	-2-	-3-4-3-2-1-	-3-				1.98																						
0A-40.0892-102.1806-2-08-	0-C06643-06/25/77-16-	29-18.0	0-C-	5.5-	320-	15-1-1-	-2-	31-	-4-3-2-1-	-3-			8.40																						
0A-40.0972-102.2267-2-08-	0-C06644-06/25/77-16-	31-18.0	0-C-	5.8-	390-	13-1-1-	-2-	31-	-4-3-2-1-	-3-2-	8A		6.06																						
0A-40.1119-102.2258-2-08-	0-C06645-06/25/77-17-	31-14.3	0-C-	5.5-	265-	25-1-1-	-2-	31-	-4-3-3-1-	-3-			4.28																						
0A-40.1053-102.1186-2-08-	0-C06646-06/24/77-15-	27-14.2	0-C-	5.5-	290-	20-1-1-	-2-	31-	-4-3-2-3-	-3-2-			7.42																						
0A-40.1128-102.1044-2-07-	0-C06647-06/24/77-15-	26-21.0	0-C-	5.9-	313-	24-1-1-	-2-6-1-2-4-3-2-3-	-3-					3.01																						
0A-40.0800-102.1147-2-08-	0-C06648-06/24/77-15-	26-16.0	0-C-	5.9-	600-	23-1-1-	-2-	31-	-4-3-2-3-	-3-			22.30*																						
0A-40.0750-102.0911-2-08-	0-C06649-06/24/77-16-	26-	0-C-	5.4-	640-	17-1-1-	-2-	31-	-4-3-2-3-	-3-			15.20*																						
0A-40.1128-102.0554-2-08-	0-C06650-06/24/77-17-	25-18.0	0-C-	5.7-	350-	17-1-1-	-2-	31-	-4-3-2-2-	-3-			5.57																						
0A-40.0919-102.0586-2-07-	0-C06651-06/24/77-18-	24-22.3	0-C-	5.7-	325-	14-1-1-5-1-2-3-1-	-2-	-6-4-2-2-	-3-				1.87																						
0A-40.0600-102.0411-2-08-	0-C06652-06/24/77-18-	25-14.0	0-C-	5.6-	330-	30-1-1-	-2-	31-	-4-4-2-2-	-3-			8.68																						
0A-40.0506-102.0281-2-08-	0-C06653-06/24/77-18-	25-14.7	0-C-	5.5-	500-	33-1-1-	-2-4-1-	-4-3-3-2-	-3-5-	6- 27-	2-		8.78																						
0A-40.0214-102.0117-2-08-	0-C06654-06/24/77-19-	23-18.5	0-C-	5.6-	1100-	10-1-1-	-2-	31-	-4-4-3-2-	-3-			23.80*																						
0A-40.0317-102.0617-2-08-	0-C06655-06/24/77-19-	22-18.9	0-C-	5.7-	550-	19-1-1-	-2-	31-	-4-4-3-2-	-3-2-	5-114-	96-	10.17																						
0A-40.0106-102.0589-2-08-	0-C06656-06/24/77-20-	20-28.0	0-C-	7.2-	1860-	22-1-1-	-1-	31-	-4-3-3-1-	-3-1-	6-		41.90*																						
0A-40.0319-102.1119-2-08-	0-C06657-06/25/77-8-	22-18.0	0-C-	5.4-	357-	24-1-1-	-2-	31-	-4-4-3-1-	-3-2-			8.52																						





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 (µmho/cm)	SCINTILLOMETER (nU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*) UNITS IN ppb
							DATE	HOUR																										
08-40	9444-103	AA14-2-08	0-C06740-05/20/77-15	14-13.0	7.2	950	18-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.65		
08-40	9808-103	9233-2-08	0-C06741-05/20/77-18	10-12.8	7.2	398	15-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.60		
08-40	9750-103	9803-2-08	0-C06743-05/21/77-9	10-12.2	7.2	382	16-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.35		
08-40	9575-103	9759-2-08	0-C06744-05/21/77-11	12-13.1	7.1	311	22-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.54		
08-41	0294-104	4119-2-08	0-C06745-05/21/77-12	13-12.0-C	7.2	295	12-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.23		
08-40	9369-103	9789-2-08	0-C06746-05/21/77-13	14-12.8	7.1	269	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.58		
08-40	9089-103	9497-2-08	0-C06748-05/21/77-17	13-13.5	7.1	318	13-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
08-40	8828-103	9386-2-06	0-C06749-05/21/77-17	14-11.4	7.2	438	23-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.96		
08-40	9217-103	9203-2-08	0-C06750-05/21/77-18	9-12.5-C	7.2	335	12-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.44		
08-40	8969-103	8853-2-08	0-C06751-05/21/77-20	18-11.2-C	7.1	350	20-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.25		
08-40	8822-103	8742-2-08	0-C06752-05/23/77-9	13-11.4	7.5	305	18-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.07		
08-40	9114-103	8442-2-08	0-C06754-05/22/77-10	21-14.8	7.4	375	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.54		
08-40	9761-103	8444-2-08	0-C06755-05/22/77-13	24-12.8-C	7.3	340	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.70		
08-40	9883-103	8247-2-08	0-C06756-05/22/77-14	26-17.2-C	7.2	321	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.38		
08-40	9533-103	8108-2-08	0-C06757-05/23/77-10	21-11.8	7.0	409	13-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.06		
08-40	9628-103	8000-2-08	0-C06758-05/23/77-11	24-10.8-C	7.0	335	13-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.38		
08-40	9897-103	7533-2-08	0-C06759-05/23/77-11	24-17.5	7.3	357	18-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.85		
08-40	9525-103	7581-2-08	0-C06760-05/23/77-12	25-13.1	7.4	213	13-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.86		
08-40	9119-103	7954-2-06	0-C06761-05/23/77-12	25-24.0	9.0	309	9-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.45		
08-40	9325-103	7854-2-08	0-C06762-05/23/77-13	28-13.4-C	7.3	500	13-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.27		
08-40	8886-103	7481-2-08	0-C06763-05/23/77-13	27-12.2-C	7.3	300	16-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.65		
08-40	8706-103	8892-2-06	0-C06764-05/23/77-17	30-16.8	7.6	245	12-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.40		
08-40	8558-103	9354-2-06	0-C06766-05/23/77-19	26-18.7-C	8.4	370	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.30*		
08-40	8497-104	2811-2-08	0-C06767-05/23/77-20	25-13.7	7.4	310	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.40		
08-40	8311-103	9175-2-09	0-C06769-05/24/77-9	25-14.4	7.5	640	19-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.70*		
08-40	8103-103	8861-2-08	0-C06771-05/24/77-10	26-12.8	7.3	730	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35		
08-40	7992-103	9144-2-08	0-C06772-05/24/77-11	27-12.2	6.8	550	8-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.50*		
08-40	7819-103	9544-2-08	0-C06773-05/24/77-14	32-12.7-C	7.2	279	17-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.70		
08-40	7803-103	9289-2-08	0-C06774-05/24/77-14	32-13.8	7.3	428	17-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.83		
08-40	7622-103	9359-2-08	0-C06775-05/24/77-17	13-11-C	7.0	307	17-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.85		
08-40	7611-103	9708-2-08	0-C06776-05/24/77-19	25-14.0	7.4	310	20-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.57		
08-40	8669-103	8461-2-06	0-C06777-05/25/77-9	20-13.2-C	7.6	238	17-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.71		
08-40	8308-103	8525-2-08	0-C06778-05/24/77-10	23-11.2-C	9.2	473	15-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50		
08-40	8439-103	7900-2-08	0-C06779-05/25/77-11	26-12.8-C	7.5	271	17-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.85		
08-40	8719-103	7994-2-08	0-C06780-05/25/77-12	27-14.8	7.3	248	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.48		
08-40	8078-103	7828-2-08	0-C06781-05/25/77-13	28-12.9	7.2	750	20-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.92		
08-40	8314-103	7719-2-08	0-C06782-05/25/77-14	28-15.0	7.5	348	11-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.00*		
08-40	8158-103	8125-2-08	0-C06783-05/25/77-15	28-12.9	7.3	280	13-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.22		
08-40	8011-103	8557-2-08	0-C06784-05/25/77-16	28-14.5-C	7.8	590	20-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06		
08-40	7867-103	8478-2-08	0-C06785-05/25/77-16	26-13.0	7.3	1100	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58		
08-40	7658-103	8432-2-08	0-C06786-05/25/77-16	25-13.8-C	7.4	730	15-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.27		
08-40	7808-103	7554-2-08	0-C06787-05/25/77-18	24-11.0-C	7.1	810	12-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.00*		
08-40	7853-103	8147-2-08	0-C06788-05/25/77-20	22-11.1-C	8.0	600	11-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27		
08-40	7514-103	8722-2-08	0-C06789-05/25/77-20	16-11.0	7.4	510	19-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.30*		
08-40	7503-103	7817-2-10	0-C06790-05/26/77-10	20-17.0	7.2	590	19-1-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.12		
08-40	7242-103	9731-2-08	0-C06791-05/20/77-15	18-13.8	7.8	395	23-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.86		
08-40	6692-103	9700-2-08	0-C06792-05/20/77-17	10-13.1-C	7.1	1500	52-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.89		
08-40	6503-103	9542-2-10	0-C06793-05/20/77-20	10-14.8-C	8.0	500	23-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.78		
08-40	7394-103	9117-2-08	0-C06794-05/21/77-20	11-12.5	7.0	1500	23-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.30*		
08-40	7447-103	9539-2-08	0-C06795-05/21/77-13	15-13.8-C	7.3	460	28-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
08-40	6867-103	902																																









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 (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (x)	UNITS IN ppb
							DATE	HOUR																											
0A-40.6108-103.6258-2-08-	0-C07011-05/28/77-12-	16-12-8-C-	7.8	920-	17-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.50*			
0A-40.5958-103.6467-2-08-	0-C07012-05/28/77-13-	16-12-8-C-	7.2	3090-	12-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.80*			
0A-40.6075-103.7103-2-08-	0-C07013-05/28/77-14-	17-12-6-C-	7.3	710-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.60*			
0A-40.5900-103.7364-2-08-	0-C07015-05/28/77-14-	12-12-0-C-	7.4	3940-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.42			
0A-40.5797-103.6651-2-08-	0-C07016-05/28/77-16-	20-12-9-	7.1	600-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.60*			
0A-40.5497-103.6400-2-08-	0-C07017-05/28/77-18-	18-12-2-C-	7.5	1335-	17-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	79.20*			
0A-40.5378-103.7336-2-08-	0-C07019-05/28/77-18-	18-12-8-C-	7.2	1900-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	102.80*			
0A-40.5064-103.6433-2-08-	0-C07022-05/28/77-19-	15-12-8-C-	7.2	1710-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	273.50*			
0A-40.6114-103.5253-2-08-	0-C07023-05/28/77-10-	19-12-1-C-	8.0	1650-	11-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.31			
0A-40.6100-103.5800-2-10-	0-C07024-05/29/77-11-	22-12-5-C-	9.3	560-	15-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.50*			
0A-40.5958-103.6194-2-08-	0-C07027-05/29/77-12-	25-12-3-	7.4	1110-	5-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	321.70*			
0A-40.5811-103.5753-2-08-	0-C07028-05/29/77-13-	23-12-5-C-	7.0	1110-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.70*			
0A-40.5672-103.5097-2-08-	0-C07029-05/29/77-13-	24-12-6-C-	7.3	790-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.40*			
0A-40.5683-103.5592-2-08-	0-C07030-05/29/77-14-	26-12-0-C-	7.5	580-	15-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.10*			
0A-40.5539-103.6081-2-08-	0-C07031-05/29/77-14-	23-12-2-C-	7.1	1850-	22-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77.60*			
0A-40.5383-103.6033-2-08-	0-C07032-05/29/77-16-	28-11-9-C-	6.9	1300-	18-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.80*			
0A-40.5375-103.5411-2-08-	0-C07033-05/29/77-17-	22-12-5-C-	7.2	1140-	17-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.40*			
0A-40.5103-103.5250-2-08-	0-C07034-05/29/77-18-	22-12-2-C-	7.0	980-	15-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.83			
0A-40.5086-103.5933-2-08-	0-C07035-05/29/77-19-	20-12-5-C-	7.0	2780-	18-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	354.00*			
0A-40.5039-103.6158-2-08-	0-C07036-05/29/77-19-	16-12-1-C-	7.2	810-	12-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	226.40*			
0A-40.4994-103.7497-2-08-	0-C07037-05/25/77-8-	17-11-8-C-	7.1	1600-	12-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240.10*			
0A-40.4350-103.6472-2-08-	0-C07038-05/25/77-8-	19-12-2-	7.0	1400-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.04			
0A-40.4353-103.6699-2-08-	0-C07039-05/25/77-9-	19-12-0-C-	7.3	1050-	9-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.03			
0A-40.4081-103.6692-2-06-	0-C07040-05/25/77-10-	19-12-1-C-	7.1	900-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.90			
0A-40.3747-103.6356-2-08-	0-C07041-05/25/77-10-	22-12-1-C-	7.1	1800-	22-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.00*			
0A-40.4856-103.6675-2-08-	0-C07043-05/25/77-11-	26-12-4-9-C-	7.0	600-	12-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.70			
0A-40.4339-103.7077-2-08-	0-C07044-05/24/77-9-	21-12-1-C-	6.2	1300-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.60*			
0A-40.4572-103.7294-2-08-	0-C07045-05/24/77-10-	25-12-1-	7.1	1500-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.20*			
0A-40.4308-103.7431-2-08-	0-C07048-05/24/77-19-	26-12-5-1-	7.2	650-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.79			
0A-40.4358-103.7242-2-08-	0-C07049-05/24/77-18-	27-12-1-	7.0	800-	17-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.23			
0A-40.3986-103.7106-2-08-	0-C07050-05/24/77-18-	27-12-1-C-	7.2	1000-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.97			
0A-40.4989-103.6156-2-08-	0-C07051-05/25/77-	29-12-0-	7.2	1100-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.50*			
0A-40.4644-103.5989-2-08-	0-C07052-05/25/77-13-	27-12-6-C-	7.2	1200-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.10*			
0A-40.4336-103.6054-2-06-	0-C07053-05/25/77-13-	25-12-1-C-	7.9	1800-	23-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.65			
0A-40.4075-103.6103-2-08-	0-C07055-05/25/77-14-	25-12-1-	7.8	3200-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77			
0A-40.3794-103.5984-2-08-	0-C07056-05/25/77-14-	31-12-1-	7.4	1800-	15-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.42			
0A-40.4367-103.5619-2-08-	0-C07057-05/25/77-15-	26-12-1-	8.1	1400-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.90			
0A-40.3944-103.5592-2-08-	0-C07058-05/25/77-16-	24-12-0-C-	7.3	700-	16-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.07			
0A-40.4647-103.6244-2-08-	0-C07059-05/25/77-17-	26-12-0-C-	6.9	800-	19-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.49			
0A-40.4667-103.5614-2-08-	0-C07060-05/25/77-18-	25-12-1-	7.6	750-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.24			
0A-40.4983-103.5608-2-08-	0-C07061-05/25/77-18-	23-12-5-	7.0	900-	19-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.40*			
0A-40.4875-103.5047-2-08-	0-C07062-05/25/77-18-	24-12-5-	7.3	1175-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70.80*			
0A-40.4403-103.5025-2-10-	0-C07063-05/25/77-19-	24-12-1-C-	9.8	24000-	13-1-7-4-6-1-3-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.73			
0A-40.3925-103.5933-2-08-	0-C07064-05/25/77-9-	19-12-9-	7.1	1750-	25-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.80*			
0A-40.3781-103.5583-2-08-	0-C07065-05/27/77-13-	20-12-9-C-	6.9	1520-	17-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40			
0A-40.3631-103.6358-2-08-	0-C07066-05/26/77-12-	27-12-0-C-	7.1	2400-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.20*			
0A-40.3500-103.6725-2-08-	0-C07067-05/26/77-12-	30-12-0-	7.0	1400-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.20*			
0A-40.3444-103.7144-2-08-	0-C07068-05/26/77-13-	29-12-1-8-C-	7.0	3300-	11-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	174.20*			
0A-40.3197-103.7125-2-08-	0-C07069-05/26/77-13-	27-12-0-	6.8	2800-	13-1-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70.70*			
0A-40.3475-103.7453-2-08-	0-C07070-05/26/77-14-	26-12-5-C-																																	

## 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 (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (N) UNITS IN ppb
							DATE	HOUR																										
08-40	3192-103	6891-2-08	0-C07072-05/26/77-15	25-12.1	-	5.9	2200	17-1-7	-	3	-	-	4-3-2-2	-	3-3	6	220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.64		
08-40	3203-103	6494-2-08	0-C07073-05/26/77-16	24-12.9	-	7.0	1500	12-1-7	-	3	-	-	4-2-2-2	-	3-1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01		
08-40	3028-103	6596-2-08	0-C07074-05/26/77-16	22-14.1	-	5.9	3300	11-1-7	-	3	-	-	4-3-2-2	-	3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20			
08-40	2858-103	7336-2-08	0-C07075-05/26/77-17	26-10.2	-	5.9	2400	11-1-7	-	3	-	-	4-3-2-2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81.30*			
08-40	2544-103	7339-2-08	0-C07076-05/26/77-17	25-17.1	-	5.9	2500	11-1-7	-	3	-	-	4-3-2-2	-	3-4	4	68	-	-	-	-	-	-	-	-	-	-	-	-	-	65.0*			
08-40	2761-103	6583-2-08	0-C07077-05/27/77-9	20-15.5	-	5.8	2700	17-1-7	-	3	-	-	4-3-2-1	-	3-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93.50*			
08-40	2758-103	6975-2-08	0-C07078-05/27/77-10	21-12.2	-	6.5	1900	28-1-7	-	3	-	-	4-4-1-1	-	3-3	5	35	-	-	-	-	-	-	-	-	-	-	-	-	-	58.40*			
08-40	2836-103	6711-2-08	0-C07079-05/27/77-9	20-13.8	-	5.9	2400	19-1-7	-	3	-	-	4-4-1-1	-	3-5	6	60	-	-	-	-	-	-	-	-	-	-	-	-	-	76.20*			
08-40	3022-103	6950-2-08	0-C07080-05/27/77-10	20-12.0	-	5.6	3000	8-1-7	-	3	-	-	4-3-1-1	-	3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	178.00*			
08-40	3447-103	5964-2-08	0-C07081-05/27/77-11	25-12.0	-	5.7	2400	16-1-7	-	3	-	-	4-4-1-1	-	3-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	97.50*			
08-40	3575-103	6151-2-10	0-C07082-05/27/77-11	26-19.0	-	7.9	2200	8-1-7-4-6-1-3-3	-	-	-	-	4-3-2-1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.10*			
08-40	3628-103	5967-2-08	0-C07083-05/27/77-12	25-14.5	-	7.2	1400	8-1-7	-	3	-	-	4-2-2-2	-	3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58			
08-40	3625-103	5236-2-08	0-C07084-05/27/77-13	19-14.2	-	7.0	2050	8-1-7	-	-	-	-	4-3-2-3	-	3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.70*			
08-40	3267-103	5206-2-08	0-C07085-05/27/77-13	15-13.1	-	5.9	1530	17-1-7	-	4	-	-	4-3-1-4	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.10*			
08-40	2625-103	5875-2-08	0-C07086-05/27/77-15	22-19.0	-	7.0	1200	11-1-7	-	3	-	-	4-3-2-2	-	3-3	6	300	-	-	-	-	-	-	-	-	-	-	-	-	-	2.78			
08-40	3058-103	5556-2-08	0-C07087-05/27/77-18	22-16.2	-	5.9	1100	11-1-7	-	3	-	-	4-3-2-1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.0*			
08-40	3050-103	5314-2-08	0-C07088-05/27/77-17	23-14.9	-	7.1	1500	5-1-7	-	3	-	2	4-3-2-1	-	3-5	6	80	-	-	-	-	-	-	-	-	-	-	-	-	-	28.00*			
08-40	2944-103	5925-2-08	0-C07089-05/27/77-18	22-12.9	-	7.0	2600	17-1-7	-	3	-	-	4-3-2-1	-	3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71.10*			
08-40	3061-103	5783-2-08	0-C07090-05/28/77-11	16-12.9	-	7.0	2900	17-1-7	-	3	-	-	4-3-1-4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70.90*			
08-40	2658-103	6033-2-08	0-C07091-05/28/77-11	15-12.7	-	7.0	2450	17-1-7	-	3	-	-	4-4-2-3	-	3-5	6	45	-	-	-	-	-	-	-	-	-	-	-	-	-	71.10*			
08-40	2486-103	7158-2-08	0-C07092-05/25/77-14	28-13.8	-	5.8	2270	14-1-1	-	3	-	-	4-3-2-2	-	1-6-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	101.70*			
08-40	2392-103	6422-2-08	0-C07093-05/25/77-15	26-16.8	-	7.1	470	19-1-1	-	3	-	-	4-3-2-2	-	3-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33			
08-40	2161-103	6550-2-10	0-C07094-05/25/77-16	26-18.2	-	5.9	1420	8-1-1-4-6-1-2-2	-	-	-	-	4-3-2-2	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51.80*			
08-40	2219-103	6797-2-08	0-C07095-05/25/77-17	25-19.5	-	6.5	2240	10-1-1	-	3	-	-	4-3-2-2	-	1-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.80*			
08-40	2247-103	6967-2-08	0-C07096-05/25/77-18	24-17.0	-	7.0	2230	14-1-1	-	3	-	-	4-3-2-2	-	1-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.35			
08-40	2311-103	7436-2-08	0-C07097-05/25/77-18	23-12.8	-	6.4	2150	27-1-1	-	3	-	-	4-3-2-2	-	1-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105.20*			
08-40	2147-103	7444-2-09	0-C07098-05/26/77-8	17-12.8	-	9.2	2120	13-1-1-5-8-1-3-2	-	-	-	-	4-3-2-1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.30*			
08-40	1883-103	7351-2-08	0-C07099-05/26/77-18	24-14.5	-	5.6	420	17-1-1	-	3	-	-	4-3-2-2	-	3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.98			
08-40	1592-103	7351-2-08	0-C07100-05/27/77-11	24-15.2	-	5.3	450	17-1-1	-	2	-	-	4-3-2-1	-	3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.09			
08-40	2472-103	6792-2-08	0-C07101-05/28/77-16	13-14.2	-	5.6	2050	12-1-1	-	3	-	-	4-3-2-3	-	1-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40.40*			
08-40	2319-103	7147-2-08	0-C07102-05/28/77-16	13-13.5	-	5.5	2110	9-1-1	-	3	-	-	4-3-2-3	-	1-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.70*			
08-40	1992-103	7251-2-08	0-C07103-05/28/77-17	15-14.5	-	5.6	500	11-1-1	-	2	-	-	4-3-2-3	-	3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.35			
08-40	2464-103	7344-2-08	0-C07104-05/28/77-17	13-15.2	-	6.3	1720	17-1-1	-	3	-	-	4-3-2-3	-	1-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39.30*			
08-40	2353-103	6131-2-08	0-C07105-05/28/77-10	19-12.2	-	5.7	3300	19-1-1	-	3	-	-	4-3-2-1	-	1-6-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.25			
08-40	1933-103	5994-2-08	0-C07107-05/26/77-11	22-14.0	-	7.0	850	-1-1	-	3	-	-	4-3-2-1	-	1-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.60*			
08-40	1806-103	5744-2-08	0-C07108-05/26/77-11	28-14.8	-	5.8	890	18-1-1	-	3	-	-	4-3-2-1	-	3-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.66			
08-40	1906-103	5353-2-08	0-C07109-05/26/77-12	27-18.0	-	7.0	410	13-1-1	-	3	-	-	4-3-2-1	-	1-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.0*			
08-40	1778-103	5019-2-08	0-C07110-05/26/77-13	24-12.0	-	5.8	1120	9-1-1	-	3	-	-	4-3-2-2	-	3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.80*			
08-40	1553-103	6159-2-08	0-C07111-05/26/77-13	25-14.5	-	5.7	580	14-1-1	-	3	-	-	4-3-2-2	-	1-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.73			
08-40	1586-103	5811-2-08	0-C07112-05/26/77-15	23-13.8	-	6.5	4000	13-1-1	-	3	-	-	4-3-2-2	-	1-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	103.80*			
08-40	1464-103	6006-2-08	0-C07113-05/26/77-15	21-14.2	-	5.8	930	12-1-1	-	3	-	-	4-3-2-2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.20			
08-40	1286-103	5642-2-08	0-C07114-05/26/77-15	20-13.5	-	7.0	1390	16-1-1	-	3	-	-	4-3-2-2	-	3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98.70*			
08-40	1564-103	5351-2-08	0-C07115-05/26/77-15	23-13.8	-	5.8	1180	4-1-1	-	2	-	-	4-3-2-2	-	3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.17			
08-40	2456-103	5600-2-08	0-C07116-05/26/77-16	24-15.5	-	5.6	440	22-1-1	-	2	-	-	4-3-2-2	-	3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.07			
08-40	2192-103	5703-2-08	0-C07117-05/26/77-17	21-14.2	-	6.5	1180	13-1-1	-	2	-	-	4-3-2-2	-	3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.86			
08-40	0236-103	7214-2-08	0-C07118-05/27/77-8	13-15.1	-	5.3	1080	17-1-1	-	3	-	-	4-3-2-1	-	1-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.10*			
08-40	0383-103	7381-2-08	0-C07119-05/27/77-9	14-12.2	-	5.3	2620	19-1-1	-	3	-	-	4-3-2-1	-	1-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76.40*			
08-40	0503-103	6928-2-08	0-C07120-05/27/77-9	17-18.0	-	5.5	4200	3-1-1	-	2	-	-	4-3-2-1	-	3-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	124.30*			
08-40	1222-103	6947-2-08	0-C07121-05/27/77-12	23-13.0	-	5.2	580	3-1-1																										























## 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 (µmho/cm)	SCINTILLOMETER (eU, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*)	UNITS IN ppb
							DATE	HOUR																										
0A-40.1856-103.0851-2-08-0-C07555-06/08/77-11-30-14.4-0-5.8-300-16-1-1-2-2-1-4-3-2-1-3-1-6-104--4.90																																		
0A-40.1897-103.0219-2-08-0-C07557-06/08/77-12-31-24.0-0-7.7-300-10-1-1-1-1-2-4-3-2-1-3-1-6--2.83																																		
0A-40.1775-103.0653-2-08-0-C07558-06/08/77-12-30-26.5-0-7.4-300-8-1-1-1-1-1-4-3-2-1-3-1-6--2.71																																		
0A-40.1342-103.0125-2-08-0-C07559-06/08/77-14-30-15.0-0-6.8-280-9-1-1-2-3-3-1-4-3-2-1-3-3-5-30A-222-2.50																																		
0A-40.1633-103.0458-2-08-0-C07560-06/08/77-14-34-14.0-0-6.8-250-11-1-1-3-3-1-4-3-2-1-3-3-6-15A-77-2.10																																		
0A-40.1331-103.0603-2-08-0-C07561-06/08/77-14-33-14.7-0-6.9-230-8-1-1-3-3-1-4-3-2-1-3-1-6--2.90																																		
0A-40.1528-103.0689-2-08-0-C07562-06/08/77-14-35-14.8-0-6.8-320-5-1-1-3-3-1-4-3-2-1-3-3-4-11A-95-3.55																																		
0A-40.1336-103.1147-2-08-0-C07563-06/08/77-15-34-17.1-0-6.8-310-10-1-1-3-3-1-4-3-2-1-3-3-6--4.43																																		
0A-40.1050-103.1375-2-07-0-C07564-06/08/77-17-32-24.0-7.3-300-9-1-1-4-7-1-2-2-4-3-2-2-3--0.47																																		
0A-40.0867-103.1322-2-08-0-C07565-06/08/77-18-30-23.8-7.0-300-15-1-1-3-3-1-4-3-2-2-3-1-6--3.25																																		
0A-40.0669-103.1519-2-08-0-C07566-06/08/77-18-29-14.2-7.0-300-13-1-1-3-3-1-4-3-2-2-3-1-6--3.93																																		
0A-40.0806-103.1692-2-08-0-C07567-06/08/77-18-28-22.4-6.8-310-13-1-1-3-3-1-4-3-2-2-3-1-6--6.03																																		
0A-40.0997-103.2083-2-08-0-C07568-06/08/77-19-28-14.2-6.8-610-18-1-1-3-3-1-4-3-2-2-3-3-6-10A--8.73																																		
0A-40.1239-103.2083-2-08-0-C07569-06/08/77-20-26-14.0-6.9-450-11-1-1-3-3-1-4-3-2-2-1-4-10A--7.94																																		
0A-40.1131-103.2499-2-08-0-C07570-06/09/77-10-27-20.0-7.6-450-16-1-1-2-2-2-4-3-2-1-3-1-6-6A--22.72*																																		
0A-40.0875-103.2453-2-08-0-C07571-06/09/77-10-32-14.0-6.6-298-15-1-1-3-3-1-4-3-2-1-1--6.80*																																		
0A-40.0556-103.2554-2-08-0-C07572-06/09/77-11-32-23.0-7.3-420-8-1-1-1-1-2-4-3-2-1-3-1--13.40																																		
0A-40.0386-103.2275-2-08-0-C07573-06/09/77-11-32-13.0-6.6-440-11-1-1-3-3-1-4-3-2-1-1-2-6-15A-82-5.81																																		
0A-40.0600-103.1553-2-08-0-C07574-06/09/77-12-31-22.0-8.7-200-17-1-1-1-1-1-4-3-2-1-3-1--3.02																																		
0A-40.0375-103.1533-2-08-0-C07575-06/09/77-12-33-15.0-6.9-650-11-1-1-3-3-1-4-3-2-1-3-9-6-30A--4.24																																		
0A-40.0283-103.2100-2-08-0-C07576-06/09/77-13-33-27.6-7.8-770-12-1-1-1-1-1-4-3-2-1-3-1--7.15																																		
0A-40.0094-103.2258-2-08-0-C07577-06/09/77-14-34-15.0-6.7-240-15-1-1-3-3-1-4-3-2-1-1-5-6-3A--1.23																																		
0A-40.0161-103.1759-2-08-0-C07578-06/09/77-14-34-18.7-6.8-180-9-1-1-3-3-1-4-3-2-2-3-1-6-18A--0.20																																		
0A-40.0022-103.1658-2-08-0-C07579-06/09/77-15-33-15.0-6.7-850-11-1-1-3-3-1-4-3-2-2-3-3-6-5A--17.90																																		
0A-40.0008-103.0578-2-08-0-C07580-06/09/77-16-29-27.0-8.7-150-11-1-1-1-1-1-4-3-2-3-3-1--0.90																																		
0A-40.0297-103.0397-2-08-0-C07581-06/09/77-17-28-12.4-6.9-290-11-1-1-3-3-1-4-3-2-2-3-3-6-12A-100-3.05																																		
0A-40.0506-103.0391-2-08-0-C07582-06/09/77-17-29-14.8-6.9-320-13-1-1-3-3-1-4-3-2-2-3-3-20A--3.12																																		
0A-40.0658-103.0231-2-08-0-C07583-06/09/77-18-28-14.0-7.0-380-6-1-1-3-2-1-4-3-2-2-3-8-6-24A--3.05																																		
0A-40.0681-103.0586-2-08-0-C07584-06/09/77-18-22-13.8-7.1-250-13-1-1-3-3-1-4-3-2-3-3-1--4.08																																		
0A-40.0464-103.0689-2-08-0-C07585-06/09/77-18-19-14.1-7.0-290-15-1-1-3-3-1-4-3-2-4-3-8-6--1.80																																		
0A-40.0747-103.0792-2-08-0-C07588-06/10/77-9-24-13.9-7.0-170-10-1-1-2-2-2-4-3-2-1-3-1--0.06																																		
0A-40.0853-103.0578-2-08-0-C07589-06/10/77-9-24-9.7-6.9-290-17-1-1-3-3-1-4-3-2-1-3-6-22A-215-4.14																																		
0A-40.0903-103.0017-2-08-0-C07590-06/10/77-9-27-15.2-6.7-310-19-1-1-3-3-1-4-3-2-1-3-3--5.07																																		
0A-40.1044-103.1156-2-08-0-C07593-06/10/77-12-34-14.0-6.8-410-11-1-1-3-3-1-4-3-2-1-3--5.78																																		
0A-40.1189-103.0959-2-08-0-C07594-06/10/77-12-34-15.0-6.6-220-15-1-1-3-3-1-4-3-2-1-3-8-6-187-177-1.35																																		
0A-40.9994-102.8256-2-08-0-C07595-06/11/77-18-23-12.2-6.7-285-12-1-1-3-3-1-4-3-2-3-3-3-6-25A--2.46																																		
0A-40.9958-102.8019-2-08-0-C07596-06/11/77-18-23-14.0-7.2-250-10-1-1-3-3-1-4-3-2-4-3-2-6-20A-195-2.04																																		
0A-40.9781-102.8308-2-08-0-C07597-06/12/77-12-24--6.9-330-13-1-1-3-3-1-4-3-2-2-3-3--3.73																																		
0A-40.9850-102.7078-2-08-0-C07598-06/12/77-13-24-10.5-7.5-290-17-1-1-3-3-1-4-3-2-2-3-1--1.55																																		
0A-40.9625-102.8314-2-08-0-C07599-06/12/77-14-24-21.0-7.6-800-18-1-1-1-1-1-4-3-2-2-3-1--13.65																																		
0A-40.9594-102.8678-2-08-0-C07600-06/12/77-16-24-12.8-6.8-240-10-1-1-3-3-1-4-3-2-2-3-1-6-12A--2.61																																		
0A-40.9372-102.8619-2-08-0-C07601-06/12/77-16-25-22.5-8.1-250-19-1-1-1-1-1-4-3-2-2-3-1-6-8A--3.33																																		
0A-40.9825-102.7572-2-08-0-C07602-06/13/77-9-22-19.0-7.5-230-13-1-1-1-1-1-4-3-2-2-3--2.25																																		
0A-40.9533-102.7892-2-08-0-C07603-06/13/77-11-23-13.4-6.6-300-19-1-1-3-3-1-4-3-2-1-3-1--3.29																																		
0A-40.9397-102.7839-2-08-0-C07604-06/13/77-11-26-14.0-6.8-1000-22-1-1-3-3-1-4-3-2-1-3-1--4.45																																		
0A-40.9236-102.7851-2-08-0-C07605-06/13/77-12-28-14.0-6.5-1500-15-1-1-3-3-1-4-3-2-2-3--12A--17.45																																		
0A-40.9217-102.8057-2-08-0-C07606-06/13/77-13-28-12.6-6.6-1500-19-1-1-3-3-1-4-3-2-2-3-1--19.38*																																		
0A-40.9308-102.8456-2-08-0-C07607-06/13/77-14-25-14.0-6.6-780-18-1-1-3-3-1-4-4-2-3-3--7.99																																		
0A-40.9086-102.8408-2-08-0-C07608-06/13/77-15-23-15.2-6.6-1200-11-1-1-3-3-1-4-3-2-3-3-3-6-5A--12.65																																		
0A-40.9017-102.7651-2-08-0-C07609-06/13/77-18-27-13.7-8.8-610-16-1-1-3-3-1-4-3-2-2-3-1-5--1.35																																		
0A-40.8847-102.7636-2-10-0-C07610-06/13/77-19-27-22.0-6.8-1900-9-1-7-5-6-1-3-1-3-6-3-2-1-3--13.00																																		



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 (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-40	8944-102	8039-2-08-				0-C07611-06/13/77-20-	24-14	7					7.0	870	12-1-7-																		21.15	
0A-40	9086-102	8575-2-08-				0-C07612-06/14/77-9-	21-17	0					7.3	790	12-1-1-																		0.35	
0A-40	8819-102	8450-2-08-				0-C07613-06/14/77-10-	23-17	5					7.6	750	14-1-1-																		1.04	
0A-40	8236-102	8031-2-08-				0-C07614-06/14/77-11-	23-						7.1	750	8-1-7-																		0.75	
0A-40	8283-102	9031-2-08-				0-C07615-06/14/77-11-	28-16	0					5.8	2200	10-1-7-																		8.75	
0A-40	8639-102	8844-2-08-				0-C07616-06/14/77-12-	28-17	0					7.4	1350	14-1-7-																		0.16	
0A-40	8492-102	9092-2-08-				0-C07617-06/14/77-13-	29-14	2					5.4	2200	11-1-7-																		32.75	
0A-40	8567-102	9256-2-08-				0-C07618-06/14/77-13-	30-12	6					5.8	1600	17-1-7-																		33.75*	
0A-40	7967-102	8886-2-08-				0-C07619-06/14/77-19-	29-16	2					5.8	2800	18-1-7-																		75.10*	
0A-40	7686-102	9911-2-08-				0-C07620-06/15/77-10-	29-14	0					5.7	870	10-1-7-																		12.35	
0A-40	7769-102	9786-2-08-				0-C07621-06/15/77-11-	27-13	0					5.7	2100	12-1-7-																		19.90	
0A-40	7794-102	9650-2-08-				0-C07622-06/15/77-11-	32-18	2					5.6	550	15-1-7-																		3.60	
0A-40	7825-102	9400-2-08-				0-C07623-06/15/77-15-	32-14	0					5.9	250	15-1-7-																		0.80	
0A-40	7717-102	9336-2-08-				0-C07624-06/15/77-12-	32-15	0					5.6	250	15-1-1-																		0.33	
0A-40	7794-102	9131-2-08-				0-C07625-06/15/77-13-	32-14	2					5.5	220	16-1-1-																		0.26	
0A-40	7833-102	9157-2-08-				0-C07626-06/15/77-15-	32-14	2					5.9	500	10-1-7-																		2.14	
0A-40	8056-102	9033-2-08-				0-C07627-06/15/77-14-	32-12	9					5.7	2150	13-1-7-																		35.70*	
0A-40	8500-102	8747-2-08-				0-C07628-06/14/77-12-	28-12	0					5.8	3000	11-1-7-																		90.90*	
0A-40	8458-102	8450-2-08-				0-C07630-06/15/77-16-	32-11	8					5.7	2380	15-1-1-																		55.70*	
0A-40	8722-102	8491-2-07-				0-C07631-06/15/77-17-	32-11	5					5.5	2300	15-1-7-5-7-3-4-1-3-																		39.80*	
0A-40	8683-102	8053-2-08-				0-C07632-06/15/77-17-	32-						5.5	2900	11-1-7-																			75.20*
0A-40	8619-102	7851-2-08-				0-C07633-06/15/77-18-	32-13	0					5.6	3100	13-1-7-																			102.40*
0A-40	8503-102	9050-2-08-				0-C07634-06/15/77-19-	32-12	8					5.7	3000	9-1-7-																			102.10*
0A-40	8156-102	8491-2-08-				0-C07635-06/15/77-19-	28-12	0					5.4	280	-1-7-																			0.61
0A-40	8317-102	7719-2-08-				0-C07636-06/15/77-20-	27-15	0					5.8	280	11-1-7-																			2.65
0A-40	7961-102	8519-2-08-				0-C07637-06/16/77-10-	23-						5.7	250	13-1-1-																			0.46
0A-40	8161-102	8144-2-08-				0-C07638-06/16/77-10-	23-13	0					5.4	250	9-1-1-																			0.38
0A-40	7881-102	8058-2-08-				0-C07639-06/16/77-11-	24-12	0					5.5	250	7-1-1-																			2.73
0A-40	7572-102	8072-2-08-				0-C07640-06/16/77-12-	26-14	0					5.5	300	15-1-1-																			2.38
0A-40	7750-102	7672-2-08-				0-C07641-06/16/77-12-	28-						5.6	280	15-1-1-																			2.62
0A-40	7592-102	7658-2-08-				0-C07642-06/16/77-12-	28-14	0					5.7	300	13-1-1-																			3.06
0A-40	7919-102	7686-2-08-				0-C07643-06/16/77-13-	29-14	0					5.7	300	9-1-1-																			3.73
0A-40	6786-102	9911-2-08-				0-C07644-06/09/77-11-	27-23	1					7.5	275	13-1-1-																			1.00
0A-40	6797-102	9586-2-08-				0-C07645-06/09/77-11-	34-15	9					7.1	332	18-1-1-																			4.71
0A-40	7019-102	9582-2-08-				0-C07646-06/09/77-12-	34-17	7					7.2	540	13-1-1-																			5.28
0A-40	7031-102	9481-2-08-				0-C07647-06/09/77-12-	34-25	2					9.2	270	13-1-1-																			3.77
0A-40	7322-102	9533-2-08-				0-C07648-06/09/77-12-	35-25	7					8.3	222	13-1-1-																			1.02
0A-40	7281-102	9872-2-08-				0-C07649-06/09/77-14-	35-20	5					8.3	1750	6-1-1-																			1.31
0A-40	7039-102	9150-2-08-				0-C07650-06/10/77-16-	33-15	5					7.0	350	-1-1-																			4.17
0A-40	6806-102	9150-2-08-				0-C07651-06/10/77-17-	35-15	5					7.1	350	12-1-1-																			6.66
0A-40	6786-102	8781-2-08-				0-C07652-06/10/77-17-	34-15	8					7.2	370	18-1-1-																			1.83
0A-40	6425-802	8772-2-08-				0-C07653-06/10/77-17-	34-15	1					7.2	590	19-1-1-																			5.80
0A-40	6275-102	8950-2-08-				0-C07654-06/10/77-18-	32-16	2					7.2	425	22-1-1-																			2.42
0A-40	6461-102	9150-2-08-				0-C07655-06/10/77-18-	31-14	5					7.6	328	16-1-1-																			3.64
0A-40	6281-102	9533-2-08-				0-C07656-06/10/77-18-	31-14	2					7.1	350	16-1-1-																			4.00
0A-40	6558-102	9633-2-08-				0-C07657-06/10/77-19-	28-16	1					7.2	350	15-1-1-																			6.20
0A-40	6544-102	9028-2-08-				0-C07658-06/10/77-19-	27-15	8					7.1	335	11-1-1-																			5.44
0A-40	7372-102	9228-2-08-				0-C07659-06/12/77-8-	16-14	0					5.3	700	12-1-1-																			1.00
0A-40	7278-102	8954-2-08-				0-C07660-06/12/77-9-	18-12	0					5.4	250	18-1-1-																			0.31
0A-40	7031-102	8551-2-08-				0-C07661-06/11/77-8-	19-12	1					5.9	350	18-1-1-																			4.31
0A-40	7083-102	8425-2-08-				0-C07662-06/11/77-8-	18-14	8					7.0	358	15-1-1-																			6.20



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 (eL, 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																											
OR-40.5917-102.8175-2-08-	0-C07722-06/13/77-14-	28-12.5-	7.6-	242-	12-1-1-	2-	2-	4-3-2-2-	3-2-	4-200-	2.09																								
OR-40.5833-102.8075-2-10-	0-C07723-06/13/77-14-	28-27.2-C	8.6-	192-	12-1-1-7-	1-3-2-	4-4-2-2-	3-	-	-	0.31																								
OR-40.6142-102.8181-2-08-	0-C07724-06/13/77-14-	28-17.7-	7.3-	278-	17-1-1-	3-	1-	4-3-2-2-	3-3-	-	0.97																								
OR-40.6217-102.7858-2-08-	0-C07725-06/13/77-15-	22-14.0-	7.7-	105-	10-1-1-	2-	2-	4-3-2-3-	3-1-	-	0.20																								
OR-40.6058-102.7592-2-10-	0-C07727-06/13/77-15-	25-24.3-	7.0-	120-	20-1-1-5-7-1-2-4-	4-3-2-3-	3-	-	-	0.43																									
OR-40.5783-102.7603-2-08-	0-C07728-06/13/77-13-	27-14.0-	5.9-	193-	18-1-1-	3-	1-	4-3-2-2-	3-3-	280-	0.97																								
OR-40.5831-102.7789-2-08-	0-C07729-06/13/77-16-	28-17.5-	5.9-	358-	17-1-1-	4-	1-	4-3-2-2-	3-3-	300-	3.10																								
OR-40.5700-102.7975-2-08-	0-C07730-06/13/77-17-	25-15.3-	7.2-	210-	17-1-1-	3-	1-	4-3-2-2-	3-3-	4-190-165-	1.50																								
OR-40.5533-102.7806-2-08-	0-C07731-06/13/77-17-	25-14.2-C	7.2-	300-	0-1-1-	2-	1-	4-3-2-2-	3-1-	110-	2.43																								
OR-40.5542-102.7933-2-08-	0-C07732-06/13/77-17-	25-14.0-	7.0-	250-	12-1-1-	2-	1-	4-3-2-2-	3-2-	-	1.76																								
OR-40.5467-102.7719-2-08-	0-C07734-06/14/77-9-	24-18.2-	7.0-	430-	18-1-1-	3-	1-	4-3-2-2-	3-3-	370-	0.09																								
OR-40.5492-102.7603-2-10-	0-C07735-06/14/77-9-	23-20.6-	7.1-	180-	22-1-1-5-6-1-3-4-	4-3-2-2-	3-	-	-	0.66																									
OR-40.5297-102.7806-2-08-	0-C07736-06/14/77-10-	25-13.6-C	7.8-	540-	13-1-1-	2-	2-	4-3-2-1-	3-1-	-	0.34																								
OR-40.5128-102.7797-2-07-	0-C07737-06/14/77-10-	25-22.0-	5.7-	98-	17-1-1-5-6-1-6-4-1-	4-3-2-1-	3-	-	-	0.14																									
OR-40.5092-102.7600-2-08-	0-C07738-06/14/77-10-	25-15.8-	7.0-	280-	19-1-1-	3-	1-	4-3-2-1-	3-2-	-	2.36																								
OR-40.5253-102.8053-2-08-	0-C07739-06/14/77-10-	25-12.3-	5.9-	320-	13-1-1-	3-	1-	4-3-2-1-	3-2-	-	2.97																								
OR-40.4278-102.9272-2-08-	0-C07740-06/08/77-12-	25-18.8-	5.9-	392-	13-1-1-	3-	1-	4-3-2-1-	1-2-	-	3.31																								
OR-40.3875-102.9594-2-08-	0-C07743-06/09/77-13-	24-12.6-C	5.7-	490-	8-1-1-	2-	1-	4-4-2-1-	1-3-	4-40-20-	5.47																								
OR-40.4081-102.9481-2-08-	0-C07744-06/09/77-13-	26-14.8-	5.9-	443-	0-1-1-	3-	1-	4-3-2-1-	1-4-	-	3.27																								
OR-40.4153-102.9386-2-08-	0-C07745-06/08/77-13-	30-21.2-C	7.1-	375-	8-1-1-	3-	1-	4-3-2-1-	1-4-	6-120-	4.13																								
OR-40.4083-102.9286-2-08-	0-C07746-06/08/77-13-	24-10.0-	7.2-	580-	18-1-1-	3-	1-	4-3-2-1-	1-4-	-400-	0.35																								
OR-40.4264-102.9119-2-08-	0-C07747-06/08/77-14-	30-14.2-	5.9-	453-	21-1-1-	3-	1-	4-3-2-2-	1-2-	-	4.48																								
OR-40.4294-102.9551-2-08-	0-C07748-06/08/77-14-	32-14.5-	5.9-	520-	12-1-1-	3-	1-	4-3-2-2-	3-1-	-	3.05																								
OR-40.4228-102.9658-2-08-	0-C07749-06/08/77-15-	31-17.0-	7.1-	343-	15-1-1-	3-	1-	4-3-2-2-	1-4-	-	2.66																								
OR-40.4286-102.9297-2-08-	0-C07750-06/08/77-15-	32-17.9-	5.4-	810-	10-1-1-	3-	1-	4-3-2-2-	1-2-	-	7.63																								
OR-40.4533-102.9106-2-08-	0-C07751-06/08/77-15-	32-14.0-	5.8-	880-	12-1-1-	3-	1-	4-3-2-2-	3-3-	6-51-16-	4.35																								
OR-40.4625-102.9106-2-08-	0-C07752-06/08/77-17-	32-13.8-	7.0-	432-	13-1-1-	3-	1-	4-3-2-2-	3-3-	-	6.67																								
OR-40.4689-102.9292-2-08-	0-C07753-06/08/77-17-	31-14.0-	5.6-	620-	9-1-1-	3-	1-	4-3-2-2-	3-1-	-	4.35																								
OR-40.4825-102.9553-2-08-	0-C07754-06/08/77-17-	31-13.2-	7.0-	520-	11-1-1-	3-	1-	4-3-2-2-	1-3-	6-97-	6.84																								
OR-40.4786-102.9832-2-08-	0-C07755-06/08/77-18-	31-14.1-	7.0-	500-	14-1-1-	3-	1-	4-3-2-2-	1-2-	-	6.59																								
OR-40.4828-102.9953-2-08-	0-C07756-06/08/77-18-	29-14.0-	5.9-	630-	17-1-1-	3-	1-	4-4-2-2-	1-2-	-	4.23																								
OR-40.4958-102.9706-2-08-	0-C07757-06/08/77-18-	30-14.2-C	7.1-	570-	15-1-1-	3-	1-	4-3-2-2-	1-4-	180-	9.96																								
OR-40.4958-102.9619-2-08-	0-C07758-06/08/77-18-	28-14.5-C	7.1-	580-	12-1-1-	3-	1-	4-3-2-2-	1-4-	430-	1.87																								
OR-40.4872-102.9125-2-08-	0-C07760-06/09/77-9-	23-17.2-	5.9-	580-	16-1-1-	3-	1-	4-3-2-2-	1-2-	-	4.67																								
OR-40.4864-102.8919-2-08-	0-C07761-06/09/77-9-	24-15.6-	5.9-	448-	0-1-1-	3-	1-	4-3-2-2-	1-3-	70-40-	4.35																								
OR-40.4250-102.8908-2-08-	0-C07763-06/09/77-10-	26-15.2-	7.4-	610-	13-1-1-	3-	1-	4-3-2-2-	1-4-	-	2.50																								
OR-40.4028-102.8925-2-08-	0-C07764-06/09/77-10-	27-14.5-	7.1-	423-	19-1-1-	3-	1-	4-3-2-2-	1-5-	-	5.00																								
OR-40.3903-102.8925-2-08-	0-C07765-06/09/77-10-	24-19.0-C	7.8-	580-	13-1-1-10-	3-	1-	4-3-2-1-	1-4-	-	0.81																								
OR-40.3869-102.9081-2-08-	0-C07766-06/09/77-11-	32-15.8-	7.3-	380-	14-1-1-	3-	1-	4-3-2-1-	3-1-	-	0.00																								
OR-40.4139-102.8928-2-08-	0-C07767-06/09/77-12-	30-18.1-C	7.4-	370-	6-1-1-2-	3-	1-	4-3-2-1-	3-2-	170-	4.03																								
OR-40.4097-102.8789-2-08-	0-C07768-06/09/77-12-	29-15.0-	7.5-	470-	15-1-1-	3-	1-	4-4-2-1-	3-2-	-	4.11																								
OR-40.4131-102.8544-2-08-	0-C07769-06/09/77-12-	30-14.3-	7.3-	222-	8-1-1-	3-	1-	4-3-2-1-	3-1-	-	0.02																								
OR-40.3942-102.8551-2-08-	0-C07770-06/09/77-13-	31-14.0-	7.2-	325-	11-1-1-	3-	1-	4-3-2-1-	1-3-	6-170-143-	3.62																								
OR-40.3803-102.8544-2-08-	0-C07771-06/09/77-13-	30-14.0-	7.3-	320-	11-1-1-	3-	1-	4-3-2-1-	1-4-	6-150-100-	4.30																								
OR-40.3819-102.8372-2-08-	0-C07772-06/09/77-14-	32-17.3-	7.2-	273-	13-1-1-	3-	1-	4-3-2-1-	1-4-	-	2.05																								
OR-40.3797-102.7839-2-08-	0-C07773-06/09/77-14-	33-17.1-	7.2-	282-	11-1-1-	3-	1-	4-3-2-1-	3-2-	-	2.42																								
OR-40.3944-102.7575-2-08-	0-C07775-06/09/77-15-	33-14.0-C	7.2-	258-	12-1-1-	3-	1-	4-3-2-1-	1-4-	6-200-	1.81																								
OR-40.4186-102.7608-2-07-	0-C07776-06/09/77-15-	29-34.1-C	8.6-	88-	10-1-1-5-6-1-2-3-1-	4-4-2-2-	3-	-	-	0.63																									
OR-40.4036-102.7808-2-08-	0-C07777-06/09/77-15-	32-17.1-	7.5-	810-	11-1-1-	3-	1-	4-3-2-2-	1-2-	-	0.58																								
OR-40.4261-102.7280-2-07-	0-C07778-06/09/77-15-	28-31.9-C	-	120-	16-1-1-5-6-1-2-2-1-	4-3-2-2-	3-	-	-	0.86																									
OR-40.4089-102.8178-2-08-	0-C07779-06/09/77-17-	30-18.2-	7.0-	328-	11-1-1-	3-	1-	4-3-2-2-	1-2-	-	2.42																								







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 (µmho/cm)	SCINTILLOMETER (eu, ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (x) UNITS IN ppb
							DATE	HOUR																										
0A-40	9092-102	7239-2-08	n-C07832	06/11/77	9	20-17.1	-	5.9	1300	10-1-1	-	-	5.9	1300	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63.60*		
0A-40	9117-102	6851-2-08	n-C07833	06/11/77	9	20-19.3	-	5.9	1200	10-1-1	-	-	5.9	1200	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.40*		
0A-40	8917-102	6511-2-08	n-C07834	06/11/77	10	30-10.1	-	5.9	1400	9-1-1	-	-	5.9	1400	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.00*		
0A-40	9406-102	6542-2-09	n-C07841	06/11/77	12	31-25.0	-	7.9	1700	13-1-1	-	-	7.9	1700	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.10*		
0A-40	9247-102	6381-2-09	n-C07842	06/11/77	12	31-26.0	-	7.9	1650	11-1-1	-	-	7.9	1650	11-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56.00*		
0A-40	9397-102	6153-2-08	n-C07845	06/11/77	13	31-10.1	-	7.2	1350	6-1-1	-	-	7.2	1350	6-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.10*		
0A-40	9536-102	5744-2-08	n-C07846	06/11/77	13	31-17.0	-	7.0	1300	10-1-1	-	-	7.0	1300	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.90*		
0A-40	9772-102	5758-2-08	n-C07847	06/11/77	14	30-19.5	-	7.1	1400	9-1-1	-	-	7.1	1400	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.30*		
0A-40	9503-102	5167-2-08	n-C07852	06/11/77	16	30-23.8	-	6.9	2200	11-1-1	-	-	6.9	2200	11-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55.80*		
0A-40	9075-102	6136-2-09	n-C07854	06/11/77	15	30-20.8	-	7.7	4300	8-1-1	-	-	7.7	4300	8-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.20*		
0A-40	9106-102	5478-2-08	n-C07856	06/11/77	17	29-14.9	-	7.3	2400	9-1-1	-	-	7.3	2400	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	110.80*		
0A-40	7622-102	7011-2-08	n-C07860	06/10/77	11	30-19.2	-	5.4	300	0-1-1	-	-	5.4	300	0-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.62		
0A-40	7747-102	6991-2-08	n-C07861	06/10/77	11	30-19.0	-	5.5	320	8-1-1	-	-	5.5	320	8-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30		
0A-40	8203-102	5747-2-08	n-C07869	06/10/77	10	27-20.1	-	5.7	300	8-1-1	-	-	5.7	300	8-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.59		
0A-40	8194-102	6181-2-08	n-C07870	06/10/77	10	27-19.0	-	5.8	340	8-1-1	-	-	5.8	340	8-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.72		
0A-40	1406-102	9256-2-08	n-C07874	06/04/77	11	31-19.1	-	7.0	280	10-1-1	-	-	7.0	280	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
0A-40	1403-102	9642-2-08	n-C07875	06/04/77	11	20-18.1	-	7.2	290	5-1-1	-	-	7.2	290	5-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.28		
0A-40	1347-102	9450-2-08	n-C07876	06/04/77	11	30-19.1	-	7.2	300	9-1-1	-	-	7.2	300	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.05		
0A-40	1789-102	9689-2-08	n-C07878	06/04/77	10	28-24.1	-	7.1	290	10-1-1	-	-	7.1	290	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10		
0A-40	1642-102	9642-2-08	n-C07879	06/04/77	10	27-17.1	-	7.2	380	11-1-1	-	-	7.2	380	11-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.73		
0A-40	1642-102	9254-2-08	n-C07880	06/04/77	10	28-16.1	-	7.0	290	9-1-1	-	-	7.0	290	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01		
0A-40	1933-102	9234-2-08	n-C07881	06/04/77	9	27-16.9	-	7.0	480	13-1-1	-	-	7.0	480	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
0A-40	1933-102	9072-2-08	n-C07882	06/04/77	9	27-17.1	-	7.0	280	10-1-1	-	-	7.0	280	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.64		
0A-40	2458-102	9654-2-08	n-C07884	06/04/77	8	20-20.6	-	5.9	330	10-1-1	-	-	5.9	330	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00		
0A-40	2100-102	9658-2-08	n-C07885	06/04/77	8	24-17.2	-	5.9	450	9-1-1	-	-	5.9	450	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.54		
0A-40	2306-102	9642-2-08	n-C07886	06/04/77	8	24-16.8	-	5.9	310	6-1-1	-	-	5.9	310	6-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.61		
0A-40	1339-102	7611-2-08	n-C07887	06/05/77	13	32-19.3	-	7.0	280	8-1-1	-	-	7.0	280	8-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.75		
0A-40	1475-102	7950-2-08	n-C07888	06/05/77	13	32-17.9	-	7.1	270	10-1-1	-	-	7.1	270	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.52		
0A-40	1464-102	8517-2-08	n-C07889	06/05/77	13	32-10.0	-	7.1	290	8-1-1	-	-	7.1	290	8-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.74		
0A-40	1353-102	8319-2-08	n-C07890	06/05/77	13	32-17.6	-	7.2	300	10-1-1	-	-	7.2	300	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.56		
0A-40	1775-102	8517-2-08	n-C07891	06/05/77	12	32-22.1	-	7.0	300	15-1-1	-	-	7.0	300	15-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.94		
0A-40	1622-102	8144-2-08	n-C07892	06/05/77	12	32-23.4	-	7.0	320	12-1-1	-	-	7.0	320	12-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.81		
0A-40	1608-102	7551-2-08	n-C07893	06/05/77	11	32-10.3	-	7.1	300	8-1-1	-	-	7.1	300	8-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.24		
0A-40	1622-102	7793-2-08	n-C07894	06/05/77	11	32-18.3	-	7.2	310	9-1-1	-	-	7.2	310	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.34		
0A-40	2056-102	7550-2-08	n-C07895	06/05/77	10	32-19.3	-	7.1	280	10-1-1	-	-	7.1	280	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.95		
0A-40	2056-102	7751-2-08	n-C07896	06/05/77	10	32-19.3	-	7.1	270	13-1-1	-	-	7.1	270	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.13		
0A-40	1956-102	7936-2-08	n-C07897	06/05/77	10	32-19.1	-	7.2	280	9-1-1	-	-	7.2	280	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.28		
0A-40	2347-102	7759-2-08	n-C07899	06/05/77	9	31-10.5	-	7.1	300	10-1-1	-	-	7.1	300	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.85		
0A-40	2428-102	8508-2-08	n-C07900	06/05/77	9	31-21.0	-	7.0	290	13-1-1	-	-	7.0	290	13-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.35		
0A-40	2219-102	8378-2-08	n-C07901	06/05/77	8	31-24.1	-	7.0	280	6-1-1	-	-	7.0	280	6-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.74		
0A-40	1103-102	9042-2-08	n-C07903	06/04/77	12	32	-	7.1	390	6-1-1	-	-	7.1	390	6-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.92		
0A-40	1244-102	9836-2-08	n-C07904	06/04/77	10	32-19.1	-	7.1	290	12-1-1	-	-	7.1	290	12-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20		
0A-40	1161-102	9625-2-08	n-C07905	06/04/77	13	32-10.0	-	7.1	310	10-1-1	-	-	7.1	310	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.07		
0A-40	0903-102	9097-2-08	n-C07907	06/04/77	12	32-10.1	-	7.1	280	6-1-1	-	-	7.1	280	6-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00		
0A-40	0917-102	9606-2-08	n-C07908	06/04/77	15	31-18.2	-	7.2	280	9-1-1	-	-	7.2	280	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.77		
0A-40	0031-102	9408-2-08	n-C07909	06/04/77	15	31-10.2	-	7.0	350	10-1-1	-	-	7.0	350	10-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.99		
0A-40	0314-102	9539-2-08	n-C07917	06/09/77	14	31-19.1	-	7.1	290	5-1-1	-	-	7.1	290	5-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.13		
0A-40	0058-102	9158-2-08	n-C07918	06/04/77	15	31-19.3	-	7.0	370	9-1-1	-	-	7.0	370	9-1-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.06		
0A-40	1189-102	8994-2-08	n-C07922	06/04/77	12	32-19.1	-	7.0	300	0-1-1	-																							



APPENDIX C

LISTINGS OF FIELD DATA AND URANIUM CONCENTRATIONS FOR SEDIMENT SAMPLES

(See Appendix D for Code to Data Listings)

## APPENDIX C. Field Data and Uranium Concentrations for Sediment Samples

DOE SAMPLE NUMBER						LASL SAMPLE LOCATION NUMBER AND FIELD DATA															U CONCENTRATION													
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE LOCATION NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	PH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (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
							DATE	HOUR																										ANALYZED BY DELAYED NEUTRON COUNTING (DNC)
08-40	6763-102.7408-2-15	n-C06001-06/16/77-17	27	-	-	-	-	-	-	-	-	-	-	-	11-1-7-5-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
08-40	7044-102.6989-2-15	n-C06009-06/16/77-20	23	-	-	-	-	-	-	-	-	-	-	-	12-1-7-5-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
08-40	6389-102.7031-2-15	n-C06013-06/17/77-10	25	-	-	-	-	-	-	-	-	-	-	-	14-1-1-5-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	6419-102.6700-2-97	n-C06014-06/17/77-11	25	-	-	-	-	-	-	-	-	-	-	-	9-1-1-5-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
08-40	7450-102.5164-2-13	n-C06020-06/17/77-14	20	-	-	-	-	-	-	-	-	-	-	-	13-1-7-5-7-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
08-40	7053-102.6481-2-15	n-C06022-06/17/77-14	24	-	-	-	-	-	-	-	-	-	-	-	7-1-7-5-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00	
08-40	6875-102.5111-2-96	n-C06023-06/17/77-15	26	-	-	-	-	-	-	-	-	-	-	-	13-1-7-5-7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	6528-102.5128-2-15	n-C06027-06/17/77-16	22	-	-	-	-	-	-	-	-	-	-	-	11-1-7-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.60	
08-40	6197-102.6467-2-15	n-C06031-06/17/77-19	21	-	-	-	-	-	-	-	-	-	-	-	14-1-7-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
08-40	5431-102.7222-2-12	n-C06037-06/18/77-10	22	19.5	-	-	-	6.1	41	-	-	-	-	-	16-1-7-5-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
08-40	5231-102.6842-2-12	n-C06040-06/18/77-11	20	16.5	-	-	-	5.7	57	-	-	-	-	-	18-1-7-5-4-4-4-3-4-4-2-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80		
08-40	5556-102.6458-2-12	n-C06043-06/18/77-13	24	15.0	-	-	-	-	-	-	-	-	-	-	19-1-7-5-7-4-4-4-3-4-4-2-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30		
08-40	5453-102.5683-2-15	n-C06048-06/18/77-15	25	-	-	-	-	-	-	-	-	-	-	-	14-1-7-4-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	
08-40	5800-102.5311-2-12	n-C06054-06/18/77-18	22	19.0	-	-	-	6.5	120	-	-	-	-	-	14-1-7-5-7-2-4-2-3-4-3-2-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
08-40	4103-102.7419-2-15	n-C06065-06/14/77-14	32	-	-	-	-	-	-	-	-	-	-	-	12-1-1-3-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
08-40	4583-102.7222-2-15	n-C06068-06/14/77-13	32	-	-	-	-	-	-	-	-	-	-	-	13-1-1-3-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30	
08-40	4539-102.6275-2-15	n-C06072-06/14/77-16	32	-	-	-	-	-	-	-	-	-	-	-	16-1-1-7-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
08-40	4358-102.6844-2-15	n-C06073-06/14/77-16	31	-	-	-	-	-	-	-	-	-	-	-	16-1-1-3-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80	
08-40	4542-102.6097-2-15	n-C06087-06/15/77-10	29	-	-	-	-	-	-	-	-	-	-	-	18-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
08-40	4919-102.6078-2-15	n-C06088-06/15/77-10	30	-	-	-	-	-	-	-	-	-	-	-	15-1-1-3-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
08-40	3094-102.6422-2-15	n-C06210-06/15/77-13	29	-	-	-	-	-	-	-	-	-	-	-	10-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.30	
08-40	8411-102.6017-2-15	n-C06224-06/17/77-8	23	-	-	-	-	-	-	-	-	-	-	-	14-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	8225-102.2744-2-15	n-C06242-06/17/77-17	26	-	-	-	-	-	-	-	-	-	-	-	9-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	6347-102.4750-2-15	n-C06248-06/24/77-8	28	-	-	-	-	-	-	-	-	-	-	-	9-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	6314-102.3978-2-15	n-C06251-06/24/77-8	29	-	-	-	-	-	-	-	-	-	-	-	11-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	6572-102.3914-2-96	n-C06252-06/24/77-9	30	-	-	-	-	-	-	-	-	-	-	-	15-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
08-40	6547-102.4728-2-96	n-C06253-06/24/77-9	30	-	-	-	-	-	-	-	-	-	-	-	10-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
08-40	6617-102.4939-2-96	n-C06254-06/24/77-9	30	-	-	-	-	-	-	-	-	-	-	-	9-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	6869-102.4436-2-15	n-C06255-06/24/77-9	30	-	-	-	-	-	-	-	-	-	-	-	10-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	6844-102.3961-2-15	n-C06256-06/24/77-10	30	-	-	-	-	-	-	-	-	-	-	-	8-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	
08-40	6953-102.4736-2-15	n-C06257-06/24/77-10	30	-	-	-	-	-	-	-	-	-	-	-	10-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	7094-102.3619-2-96	n-C06263-06/24/77-11	31	-	-	-	-	-	-	-	-	-	-	-	12-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.90	
08-40	7169-102.2744-2-15	n-C06268-06/24/77-12	31	-	-	-	-	-	-	-	-	-	-	-	12-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10	
08-40	5747-102.3869-2-15	n-C06283-06/26/77-8	28	-	-	-	-	-	-	-	-	-	-	-	10-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	
08-40	5553-102.4350-2-15	n-C06285-06/26/77-8	28	-	-	-	-	-	-	-	-	-	-	-	8-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	5047-102.4733-2-15	n-C06288-06/26/77-9	29	-	-	-	-	-	-	-	-	-	-	-	12-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
08-40	5611-102.3983-2-15	n-C06292-06/26/77-10	30	-	-	-	-	-	-	-	-	-	-	-	10-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	5939-102.2828-2-15	n-C06294-06/24/77-15	31	-	-	-	-	-	-	-	-	-	-	-	10-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
08-40	6153-102.4217-2-15	n-C06297-06/24/77-15	31	-	-	-	-	-	-	-	-	-	-	-	13-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
08-40	6233-102.3594-2-15	n-C06298-06/24/77-16	31	-	-	-	-	-	-	-	-	-	-	-	9-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80	
08-40	5903-102.3622-2-15	n-C06299-06/24/77-16	31	-	-	-	-	-	-	-	-	-	-	-	10-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
08-40	5269-102.2933-2-96	n-C06305-06/26/77-13	31	-	-	-	-	-	-	-	-	-	-	-	9-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
08-40	5461-102.2914-2-15	n-C06306-06/26/77-13	31	-	-	-	-	-	-	-	-	-	-	-	10-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
08-40	4900-102.4944-2-15	n-C06308-06/20/77-11	23	-	-	-	-	-	-	-	-	-	-	-	10-1-7-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	4983-102.2581-2-97	n-C06326-06/21/77-13	27	-	-	-	-	-	-	-	-	-	-	-	10-1-7-5-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
08-40	4472-102.6128-2-13	n-C06451-06/20/77-14	24	23.5	-	-	-	7.1	58	-	-	-	-	-	12-1-1-5-6-1-4-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
08-40	7942-102.1097-2-15	n-C06473-06/20/77-16	24	-	-	-	-	-	-	-	-	-	-	-	13-1-1-7-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
31-40	8028-102.0325-2-15	n-C06481-06/20/77-19	21	-	-	-	-	-	-	-	-	-	-	-	13-1-1-4-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
31-40	8308-102.0103-2-15	n-C06483-06/20/77-20	21	-	-	-	-	-	-	-	-	-	-	-	16-1-1-5-6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80	
08-40	0778-102.2467-2-12	n-C06641-06/25/77-15	30	25.0	-	-	-	7.4	315	-	-	-	-	-	12-1-1-5-6-4-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
08-40	0978-102.1583-2-12	n-C06642-06/25/																																



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																										
08-40.1128-102.1044-2-12-	n-C06647-06/24/77-15-	26-21.0-C-	6.9-	313-	24-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
08-40.0919-102.0585-2-12-	n-C06651-06/24/77-18-	24-22.3-C-	6.7-	325-	14-1-1-5-1-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90			
08-40.9147-102.9817-2-15-	n-C06669-06/11/77-11-	27-	-	-	1-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00			
08-40.9494-102.9667-2-15-	n-C06670-05/11/77-18-	24-	-	-	14-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90			
08-40.9503-102.9834-2-15-	n-C06671-06/11/77-12-	28-	-	-	1-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.70			
08-40.9467-102.9403-2-15-	n-C06672-06/11/77-12-	27-	-	-	1-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80			
08-40.9217-102.9873-2-15-	n-C06673-06/11/77-11-	28-	-	-	18-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.10			
08-40.7614-103.1022-2-12-	n-C06674-06/05/77-11-	29-20.5-	7.5-	3000-	18-1-1-4-8-3-3-2-1-4-4-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70			
08-40.8222-103.1153-2-12-	n-C06677-06/08/77-16-	33-28.8-	7.6-	2550-	15-1-1-6-8-2-3-2-1-3-4-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.00			
08-40.8417-103.1156-2-12-	n-C06678-06/08/77-14-	34-31.1-	8.0-	1710-	13-1-1-6-8-1-2-2-1-4-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60			
08-40.8633-103.1022-2-15-	n-C06679-06/08/77-15-	34-	-	-	17-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.10		
08-40.8328-103.0628-2-15-	n-C06680-06/08/77-10-	28-	-	-	13-1-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
08-40.8547-103.0575-2-15-	n-C06682-06/08/77-10-	28-	-	-	13-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30		
08-40.8342-103.0258-2-12-	n-C06683-06/08/77-12-	34-29.2-	8.4-	1400-	20-1-1-6-8-3-3-1-1-4-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.10			
08-40.8058-103.0617-2-12-	n-C06686-06/08/77- 9-	27-22.2-	7.0-	2220-	15-1-1-5-6-2-3-1-1-4-4-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.20			
08-40.8353-103.1464-2-15-	n-C06690-06/03/77-18-	31-	-	-	22-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.80		
08-40.7617-103.2017-2-15-	n-C06694-08/09/77- 8-	24-	-	-	19-1-1-6-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.70		
08-40.8053-103.2414-2-15-	n-C06696-06/04/77-16-	35-	-	-	16-1-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80		
08-40.9102-102.9272-2-15-	n-C06697-06/11/77-11-	24-	-	-	8-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00		
08-40.9253-102.9311-2-15-	n-C06698-06/11/77-11-	27-	-	-	22-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60		
08-40.9294-102.9342-2-15-	n-C06699-06/11/77-11-	27-	-	-	13-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30		
08-40.9486-102.9536-2-15-	n-C06700-06/11/77-14-	28-	-	-	16-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.20		
08-40.9561-102.9447-2-15-	n-C06701-06/11/77-13-	29-	-	-	11-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20		
08-40.9647-102.9511-2-15-	n-C06702-06/11/77-13-	29-	-	-	15-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20		
08-40.9653-102.9547-2-15-	n-C06703-06/11/77-13-	30-	-	-	11-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.20		
08-40.9736-102.9569-2-15-	n-C06704-06/11/77-13-	29-	-	-	12-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
08-40.8192-103.3108-2-15-	n-C06705-06/02/77-14-	29-15.5-C-	-	-	12-1-1-5-6-1-2-4-1-4-3-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
08-40.8483-103.3878-2-15-	n-C06707-06/03/77- 8-	20-	-	-	17-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
08-40.8067-103.3825-2-15-	n-C06708-06/03/77-13-	30-	-	-	11-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80		
08-40.9769-102.9669-2-15-	n-C06710-06/11/77-15-	27-	-	-	12-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
08-40.8708-103.2192-2-15-	n-C06712-06/04/77-12-	31-	-	-	16-1-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
08-40.8703-103.2161-2-12-	n-C06713-06/04/77-12-	31-	-	-	18-1-1-7-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30		
08-40.8736-103.2306-2-15-	n-C06715-06/04/77-11-	29-	-	-	18-1-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60		
08-40.8267-103.1597-2-15-	n-C06717-06/03/77-18-	32-	-	-	20-1-1-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
08-40.9339-102.9322-2-15-	n-C06731-06/11/77-11-	27-	-	-	17-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
08-40.9536-102.9489-2-15-	n-C06732-06/11/77-14-	29-	-	-	15-1-1-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.30		
08-40.9606-102.9561-2-15-	n-C06733-06/11/77-13-	29-	-	-	14-1-1-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70		
08-40.7473-103.9551-2-12-	n-C06734-06/05/77-17-	29-	-	-	11-1-1-4-6-3-2-3-2-2-3-2-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.20		
08-40.9885-103.8804-2-96-	n-C06742-05/23/77-12-	18-	-	-	13-1-1-5-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30		
08-40.8853-103.9814-2-15-	n-C06747-05/21/77-15-	20-	-	-	27-1-1-5-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70		
08-40.8828-103.9386-2-11-	n-C06749-05/21/77-17-	14-11.4-	7.2-	438-	23-1-7-6-7-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70		
08-40.8903-103.8417-2-96-	n-C06753-05/23/77- 9-	18-	-	-	15-1-1-5-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20		
08-40.9119-103.7954-2-11-	n-C06761-05/23/77-12-	25-24.0-	9.0-	309-	9-1-1-6-6-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20		
08-40.8707-103.8892-2-11-	n-C06764-05/23/77-17-	30-16.8-	7.6-	245-	12-1-1-4-1-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10		
08-40.8536-103.9004-2-96-	n-C06765-05/23/77-18-	27-	-	-	15-1-1-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.40	
08-40.8372-103.4683-2-15-	n-C06768-05/23/77-20-	23-	-	-	13-1-7-4-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.50	
08-40.8311-103.9171-2-13-	n-C06769-05/24/77- 9-	25-14.4-	7.5-	640-	19-1-1-4-7-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.60		
08-40.7900-103.8903-2-97-	n-C06770-05/24/77-10-	24-	-	-	19-1-7-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
08-40.7503-103.7817-2-14-	n-C06790-05/26/77-10-	20-17.0-	7.2-	500-	19-1-7-5-7-1-2-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
08-40.6633-103.8389-2-12-	n-C06801-05/22/77-11-	19-15.0-	7.8-	900-	11-1-1-6-7-2-4-4-1-4-4-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
08-40.6822-103.8717-2-97-	n-C06802-05/22/77-11-	19-	-	-	17-1-1-4-7-	-	-																											



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																										
08-40	9333-103.5881	-2-96-	n-C06954	-05/26/77	-15-	25-									10-1-1-5-6-																		4.10	
08-40	9983-103.7094	-2-97-	n-C06955	-05/23/77	-11-	23-									20-1-1-5-6-																		3.50	
08-40	8792-103.6903	-2-15-	n-C06957	-06/10/77	-13-	31-									10-1-1-4-6-																		4.30	
08-40	9147-103.6919	-2-15-	n-C06959	-05/23/77	-15-	28-									13-1-1-4-2-																		2.10	
08-40	9636-103.6261	-2-97-	n-C06960	-05/23/77	-14-	29-									17-1-1-4-7-																		4.70	
08-40	9281-103.6886	-2-15-	n-C06961	-06/10/77	-13-	31-									10-1-1-4-2-																		13.00	
08-40	9025-103.6422	-2-96-	n-C06963	-06/10/77	-14-	31-									10-1-1-5-6-																		3.20	
08-40	9322-103.6658	-2-97-	n-C06964	-05/23/77	-13-	23-									6-1-1-5-6-																		4.40	
08-40	9456-103.7281	-2-15-	n-C06965	-05/23/77	-13-	23-									10-1-1-5-6-																		3.60	
08-40	9864-103.6853	-2-97-	n-C06968	-05/23/77	-11-	23-									9-1-1-5-6-																		3.60	
08-40	7500-103.6886	-2-97-	n-C06969	-05/24/77	-9-										20-1-1-4-6-																		3.20	
08-40	7758-103.6531	-2-15-	n-C06974	-05/26/77	-10-	22-									16-1-1-5-6-																		3.00	
08-40	8172-103.6892	-2-96-	n-C06975	-06/10/77	-12-	31-									9-1-1-5-6-																		3.30	
08-40	7722-103.6847	-2-15-	n-C06976	-06/10/77	-12-	31-									9-1-1-5-6-																		2.50	
08-40	7997-103.6872	-2-96-	n-C06977	-06/10/77	-12-	31-									5-1-1-5-6-																		2.90	
08-40	8569-103.6942	-2-97-	n-C06981	-05/23/77	-16-	27-									5-1-1-4-2-																		4.10	
08-40	7467-103.6886	-2-15-	n-C06983	-05/26/77	-13-	25-									11-1-7-5-7-																		2.90	
08-40	6903-103.7069	-2-15-	n-C06988	-05/26/77	-16-	24-									13-1-1-4-1-																		3.70	
08-40	6614-103.6944	-2-15-	n-C06989	-05/26/77	-17-	23-									15-1-1-4-1-																		3.80	
08-40	6975-103.5164	-2-15-	n-C07002	-05/27/77	-19-	20-									17-1-1-5-7-																		4.30	
08-40	7011-103.6181	-2-12-	n-C07007	-05/28/77	-10-	15-12.2-						7.2-	1790-		31-1-1-5-1-1-2-1-2-6-3-2-3-																	3.80		
08-40	6456-103.6144	-2-96-	n-C07009	-05/28/77	-11-	14-									15-1-8-5-8-																		2.80	
08-40	6067-103.7439	-2-96-	n-C07014	-05/28/77	-14-	18-									15-1-7-5-7-																		3.10	
08-40	5525-103.7411	-2-96-	n-C07018	-05/28/77	-18-	17-									22-1-1-5-1-																		2.80	
08-40	5153-103.6861	-2-15-	n-C07020	-05/28/77	-19-	17-									15-1-1-5-1-																		3.00	
08-40	5072-103.6742	-2-15-	n-C07021	-05/28/77	-19-	15-									19-1-1-5-1-																		3.50	
08-40	5958-103.6272	-2-13-	n-C07024	-05/29/77	-11-	21-21.3-						9.4-	37000-		17-1-1-5-1-																		3.10	
08-40	6111-103.5467	-2-15-	n-C07025	-05/29/77	-11-	22-									18-1-1-5-1-																		3.60	
08-40	3992-103.6564	-2-15-	n-C07042	-05/26/77	-10-	23-									17-1-7-5-6-																		2.90	
08-40	4764-103.6600	-2-96-	n-C07046	-05/26/77	-11-	27-									11-1-7-5-6-																		3.10	
08-40	4786-103.7122	-2-96-	n-C07047	-05/26/77	-19-	25-									12-1-7-5-6-																		3.20	
08-40	4278-103.6000	-2-15-	n-C07054	-05/25/77	-13-	25-									13-1-7-5-7-																		4.00	
08-40	4403-103.5025	-2-14-	n-C07063	-05/25/77	-19-	24-18.1-						8.8-	24000-		13-1-7-4-6-1-3-4-																		2.30	
08-40	3575-103.6161	-2-14-	n-C07082	-05/27/77	-11-	24-18.0-						7.9-	2200-		8-1-7-4-6-1-3-3-																		10.20	
08-40	2147-103.7444	-2-13-	n-C07098	-05/26/77	-8-	17-12.8-						9.2-	2120-		13-1-1-5-8-1-3-2-																		6.30	
08-40	2156-103.6039	-2-15-	n-C07106	-05/26/77	-10-	18-									1-1-1-5-6-																		7.70	
08-40	0192-103.6650	-2-97-	n-C07129	-05/27/77	-18-	22-									13-1-1-5-6-																		3.80	
08-40	0153-103.6547	-2-15-	n-C07130	-05/27/77	-18-	23-									9-1-1-5-6-																		4.30	
08-40	0653-103.6306	-2-96-	n-C07131	-05/27/77	-19-	18-									13-1-1-4-6-																		4.60	
08-40	0794-103.5836	-2-15-	n-C07137	-05/28/77	-9-	13-									14-1-1-5-6-																		3.70	
08-40	9750-103.2667	-2-15-	n-C07163	-06/01/77	-12-	23-									18-1-1-4-6-																		3.20	
08-40	9003-103.2644	-2-15-	n-C07170	-06/01/77	-18-	21-									24-1-1-4-1-																		35.20	
08-40	9072-103.2786	-2-15-	n-C07171	-06/01/77	-18-	23-									10-1-1-4-1-																		4.40	
08-40	9358-103.3333	-2-15-	n-C07173	-06/02/77	-11-	23-									12-1-1-4-1-																		4.60	
08-40	8928-103.2769	-2-15-	n-C07177	-06/02/77	-15-	26-									11-1-1-4-1-																		4.70	
08-40	8819-103.2697	-2-15-	n-C07178	-06/02/77	-15-	29-									22-1-1-4-1-																		12.10	
08-40	8481-103.4972	-2-15-	n-C07182	-06/03/77	-10-	19-									18-1-1-5-7-																		3.40	
08-40	7975-103.4644	-2-96-	n-C07184	-06/03/77	-11-	22-									12-1-1-5-7-																		2.80	
08-40	8014-103.4325	-2-15-	n-C07186	-06/03/77	-12-	28-									8-1-1-5-6-																		2.90	
08-40	7831-103.8156	-2-15-	n-C07187	-06/03/77	-12-	30-									12-1-1-5-6-																		2.60	
08-40	7719-103.4581	-2-15-	n-C07188	-06/03/77	-12-	30-									5-1-1-4-6-																		3.60	



## 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 (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
							DATE	HOUR																									ANALYZED BY DELAYED NEUTRON COUNTING (DNC)
UNITS IN ppm																																	
08-40	8297-103	2683-2-14-	n-C07192	06/04/77	9	22-20.8	-	8.3	2220	6-1-1-4-6	6-1-2-2	-4-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
08-40	8425-103	3225-2-14-	n-C07193	06/04/77	10	21-19.0	-	6.6	290	20-1-1-5-6	6-1-2-4	-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	
08-40	8375-103	3742-2-15-	n-C07195	06/04/77	10	23	-	-	-	15-1-1-4-6	-1	-3-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	7594-103	3019-2-14-	n-C07196	06/04/77	13	-32.5	-	8.3	1500	6-1-1-	-1-3-2	-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50	
08-40	7953-103	2706-2-14-	n-C07197	06/04/77	12	29-27.5	-	8.3	1500	14-1-1-	-1-3-3	-4-3-2-1	-8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
08-40	7144-103	4278-2-15-	n-C07202	05/27/77	12	26	-	-	-	13-1-1-5-6	-	-4-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	6431-103	4825-2-15-	n-C07206	06/23/77	13	31	-	-	-	6-1-1-4-6	-	-4-2-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
08-40	7106-103	4836-2-15-	n-C07209	05/23/77	13	31	-	-	-	6-1-1-5-6	-	-4-2-3-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
08-40	6667-103	4086-2-15-	n-C07212	05/27/77	13	26	-	-	-	12-1-1-4-2	-	-4-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
08-40	6975-103	4650-2-96-	n-C07213	05/27/77	10	22	-	-	-	18-1-1-4-6	-	-4-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
08-40	6922-103	4992-2-15-	n-C07214	05/27/77	9	22	-	-	-	12-1-1-5-6	-	-4-3-2-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	7375-103	3442-2-15-	n-C07216	05/27/77	14	25	-	-	-	6-1-1-5-6	-	-4-3-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
08-40	7267-103	3631-2-96-	n-C07217	05/27/77	14	25	-	-	-	15-1-1-4-6	-	-4-3-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	6683-103	2944-2-96-	n-C07218	05/27/77	16	24	-	-	-	9-1-1-5-6	-	-4-3-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	7164-103	3011-2-15-	n-C07219	05/27/77	15	25	-	-	-	10-1-1-4-2	-	-4-3-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
08-40	6825-103	3703-2-96-	n-C07220	06/23/77	14	31	-	-	-	10-1-1-5-6	-	-4-2-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
08-40	7381-103	2686-2-96-	n-C07221	05/27/77	15	25	-	-	-	9-1-1-5-6	-	-4-3-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
08-40	6378-103	2653-2-96-	n-C07223	05/27/77	16	25	-	-	-	3-1-1-5-6	-	-4-2-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80	
08-40	6533-103	3658-2-96-	n-C07225	06/23/77	15	30	-	-	-	9-1-1-4-6	-	-4-1-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
08-40	6506-103	3158-2-96-	n-C07226	05/27/77	16	24	-	-	-	10-1-1-4-2	-	-4-3-2-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30	
08-40	6281-103	3547-2-96-	n-C07227	06/23/77	14	30	-	-	-	9-1-1-5-6	-	-4-2-1-2	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
08-40	5231-103	4056-2-96-	n-C07232	05/28/77	12	21	-	-	-	9-1-1-4-6	-	-4-3-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
08-40	5836-103	4250-2-15-	n-C07237	05/28/77	11	20	-	-	-	9-1-1-5-6	-	-4-2-2-4	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
08-40	5225-103	4478-2-15-	n-C07238	05/28/77	11	20	-	-	-	3-1-1-5-6	-	-4-3-2-4	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40	
08-40	6022-103	4056-2-15-	n-C07240	05/28/77	10	20	-	-	-	9-1-1-5-6	-	-4-2-2-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
08-40	5656-103	3239-2-97-	n-C07249	05/28/77	15	20	-	-	-	11-1-1-5-6	-	-4-2-1-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
08-40	4281-103	3814-2-13	n-C07262	05/31/77	10	22-21.0	-	8.0	1500	11-1-1-4-1-2	-1	-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.40	
08-40	4458-103	3089-2-15-	n-C07282	06/02/77	18	23	-	-	-	2-1-1-4-1	-	-3-4-3-2-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
08-40	1542-103	3836-2-14-	n-C07314	05/28/77	16	19-19.0	-	9.2	3600	13-1-7-4-6-2-3-2	-4-3-2-3	-5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
08-40	0258-103	4153-2-15-	n-C07338	05/29/77	18	23	-	-	-	17-1-7-5-6	-1	-1-4-4-2-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
08-40	0019-103	4069-2-15-	n-C07339	05/29/77	18	22	-	-	-	17-1-7-5-6	-1	-1-4-3-2-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
08-40	0525-103	2628-2-15-	n-C07357	06/01/77	9	25	-	-	-	17-1-7-5-6	-1	-1-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
08-40	9639-103	2214-2-96-	n-C07364	06/01/77	2	30	-	-	-	11-1-5-6	-1	-4-4-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
08-40	9800-103	2292-2-96-	n-C07365	06/01/77	3	31	-	-	-	12-1-5-6	-1	-4-2-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	9489-103	1711-2-13-	n-C07368	06/01/77	17	28-30.1	-	5.8	39	17-1-5-6-1-4-4	-4-4-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	8853-103	1886-2-15-	n-C07370	06/02/77	6	16-10.0	-	-	-	23-1-1-4-6	-1	-1-4-3-3-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70	
08-40	9167-103	2094-2-15-	n-C07371	06/02/77	7	17	-	-	-	17-1-1-4-6	-1	-1-4-2-3-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.40	
08-40	9206-103	1572-2-15-	n-C07372	06/02/77	10	24	-	-	-	23-1-1-4-6	-1	-1-4-2-3-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.30	
08-40	9950-103	0572-2-15-	n-C07382	06/02/77	15	28	-	-	-	10-1-1-	-1	-4-4-2-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	9778-103	0458-2-15-	n-C07383	06/02/77	15	32	-	-	-	13-1-1-4-6	-1	-4-3-2-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
08-40	9622-103	0636-2-13-	n-C07384	06/02/77	16	31-30.0	-	-	-	11-1-1-5-7-1-4-4	-4-3-2-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
08-40	8928-103	0106-2-15-	n-C07388	06/03/77	9	25	-	-	-	19-1-1-4-6	-1	-1-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00	
08-40	8781-103	0572-2-13-	n-C07391	06/03/77	11	28-26.3	-	6.4	505	22-1-1-5-6-1-4-4	-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
08-40	8975-103	0792-2-15-	n-C07392	06/03/77	14	35	-	-	-	20-1-1-4-6	-1	-1-4-2-2-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.80	
08-40	9244-103	0769-2-15-	n-C07393	06/03/77	15	35	-	-	-	18-1-1-3-6	-1	-1-4-2-2-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.30	
08-40	8389-103	0375-2-12-	n-C07402	06/08/77	12	33-29.0	-	8.5	1400	6-1-1-6-8-3-3-1	-1-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.40	
08-40	6972-103	2342-2-14-	n-C07413	06/05/77	11	24-28.0	-	7.7	170	16-1-1-4-6-1-3-2	-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80	
08-40	7356-103	2239-2-15-	n-C07414	06/05/77	11	25	-	-	-	12-1-1-4-2	-1	-3-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00
08-40	6858-103	0200-2-96-	n-C07430	06/06/77	9	19	-	-	-	7-1-1-5-6	-1	-4-3-2-2	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
08-40	6664-103	0111-2-15-	n-C07431	06/06/77	10	18	-	-	-	18-1-1-4-6	-1	-1-4-3-2-2	-3	-	-	-	-																







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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

1 = Depositing	2 = Eroding	3 = Unknown
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VEGETATION TYPE: The single digit in this column provides a subjective evaluation of the dominant plant type in the vicinity of the sample location, as given below.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

URANIUM CONCENTRATION: The value given in this column is the analytically derived value of the total uranium concentration found in the water sample in parts per billion (ppb), or in the sediment sample in parts per million (ppm). Those uranium concentrations in water that are shown with an asterisk were measured using a delayed-neutron counting 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.

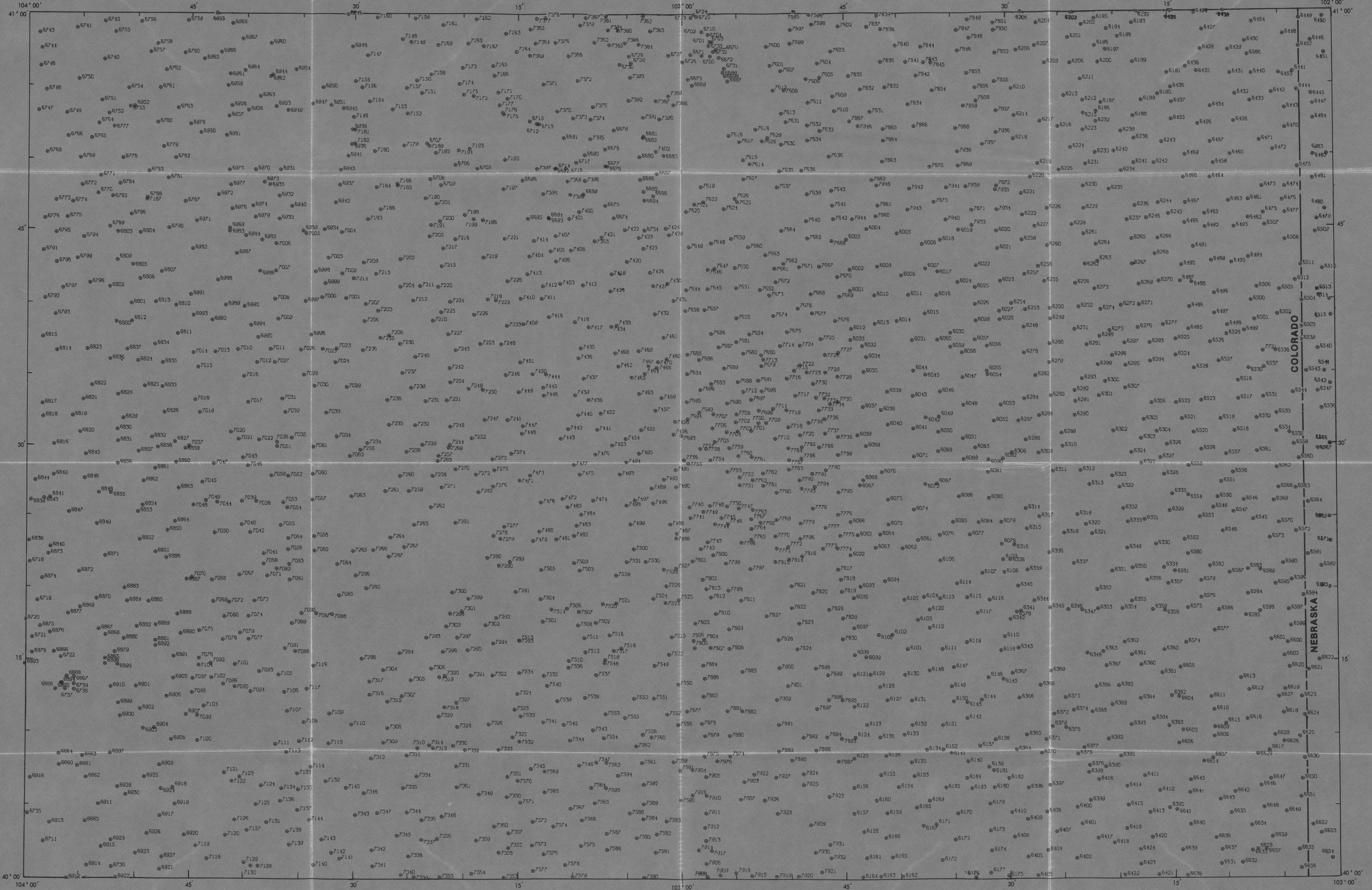
<u>KEY NO.</u>	<u>SOURCE / MEDIUM / TREATMENT</u>
06	- <u>Spring water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).
07	- <u>Stream water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).
08	- <u>Well water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).
09	- <u>Natural pond water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).
10	- <u>Artificial pond water</u> sample <u>filtered</u> through an 0.45- $\mu$ membrane filter <u>and acidified</u> to a pH of $\leq 1$ with reagent-grade nitric acid ( $\text{HNO}_3$ ).
11	- <u>Wet spring sediment</u> sample <u>dried</u> at $\leq 100^\circ\text{C}$ <u>and sieved to -100 mesh</u> through stainless steel sieves.
12	- <u>Wet stream sediment</u> sample <u>dried</u> at $\leq 100^\circ\text{C}$ <u>and sieved to -100 mesh</u> through stainless steel sieves.
13	- <u>Wet natural pond sediment</u> sample <u>dried</u> at $\leq 100^\circ\text{C}$ <u>and sieved to -100 mesh</u> through stainless steel sieves.
14	- <u>Wet artificial pond sediment</u> sample <u>dried</u> at $\leq 100^\circ\text{C}$ <u>and sieved to -100 mesh</u> through stainless steel sieves.
15	- <u>Dry stream sediment</u> sample <u>dried</u> at $\leq 100^\circ\text{C}$ (if necessary) <u>and sieved to -100 mesh</u> through stainless steel sieves.

- 96 - Dry natural pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  (if necessary) and sieved to -100 mesh through stainless steel sieves.
- 97 - Dry artificial pond sediment sample dried at  $\leq 100^{\circ}\text{C}$  (if necessary) and sieved to -100 mesh through stainless steel sieves.
- 98 - Other water        These key numbers are to be used only for water (98) or sediment (99) samples coming from a special source and/or given a special treatment not described for any of the types of samples above. When used in the listings published herein, the source and treatment given the samples so designated are described in the text.
- 99 - Other sediment

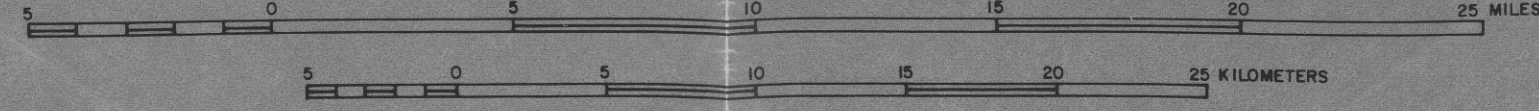




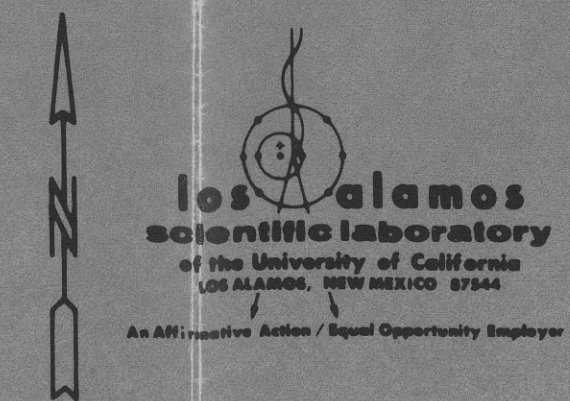




SCALE 1:250 000



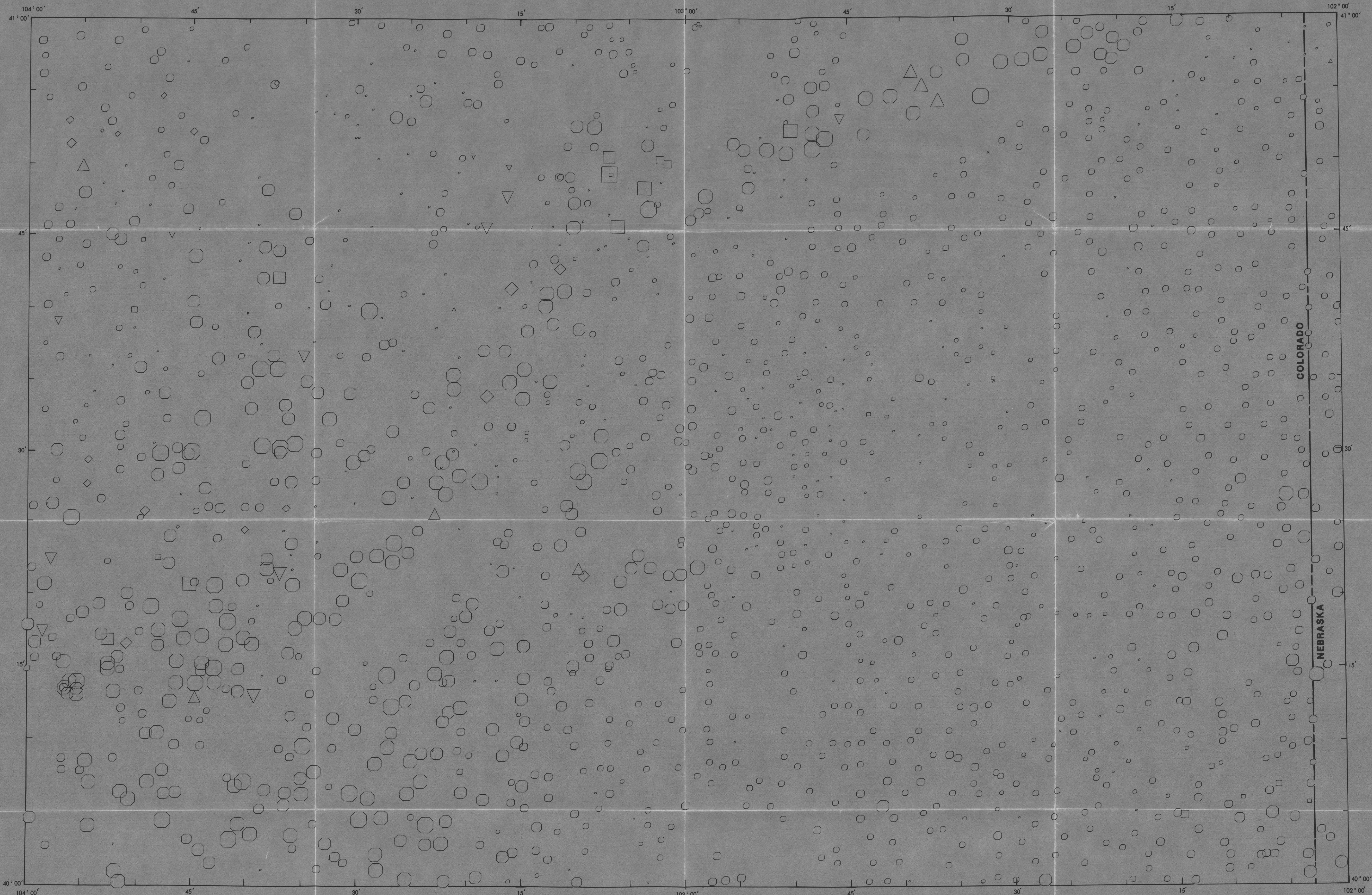
SAMPLE LOCATION OVERLAY FOR THE  
STERLING NTMS QUADRANGLE, COLORADO







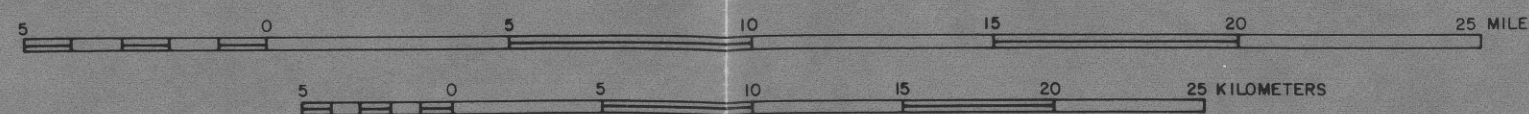




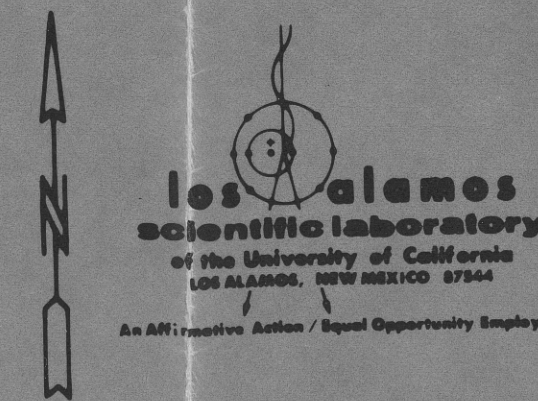
LEGEND

SYMBOLS		CONCENTRATIONS (ppb)	
□	SURFACE STREAM	○	0.00- 1.00
△	NATURAL LAKE OR POND	◐	1.01- 2.00
▽	ARTIFICIAL LAKE OR POND	◑	2.01- 5.00
◇	SPRING	◒	5.01- 10.00
○	WELL	◓	10.01- 20.00
		◔	20.01- 50.00
		◕	50.01-100.00
		◖	> 100.00

SCALE 1: 250 000



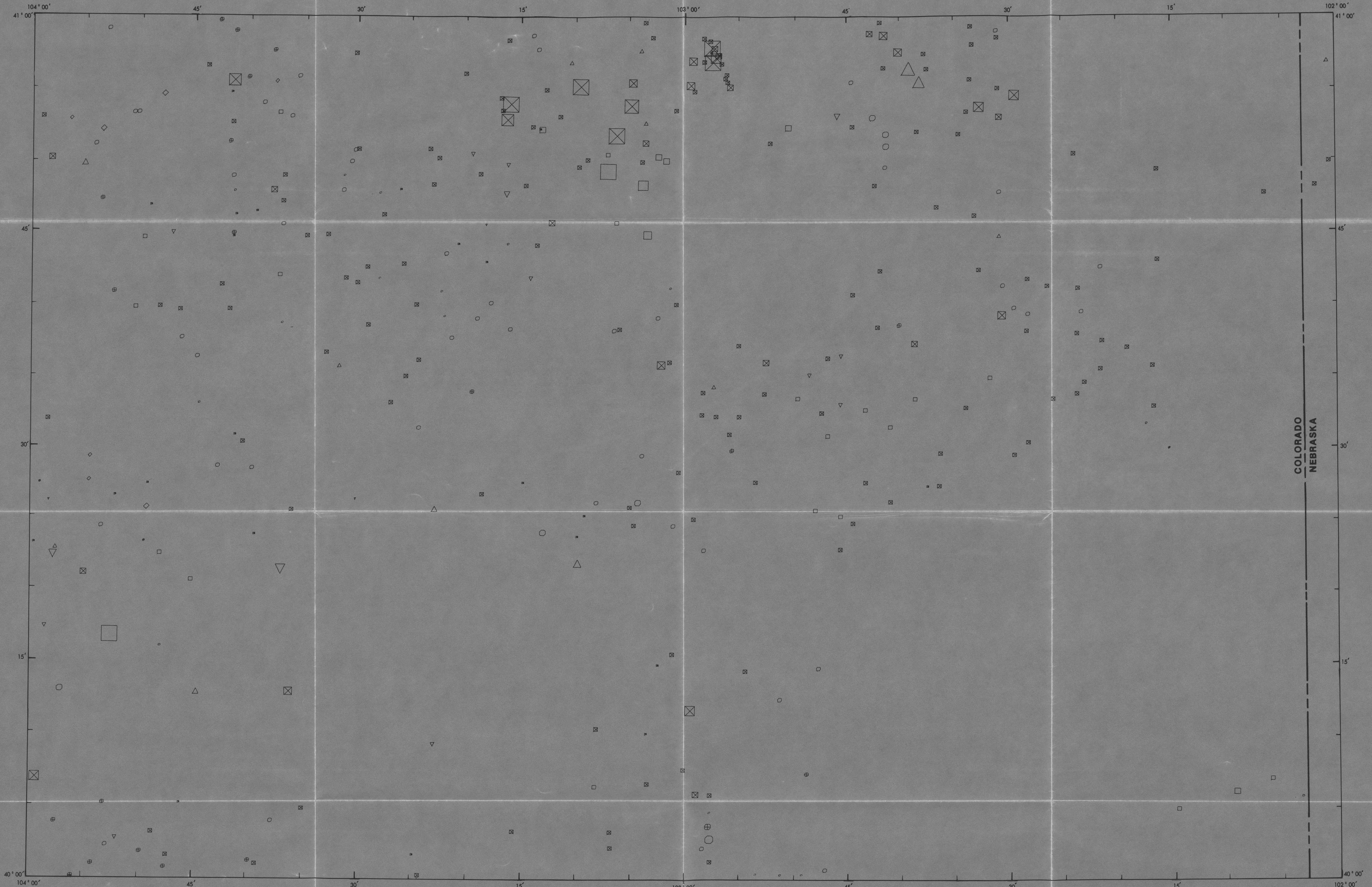
URANIUM CONCENTRATIONS (ppb) IN  
WATERS - OVERLAY TO THE  
STERLING NTMS QUADRANGLE, COLORADO





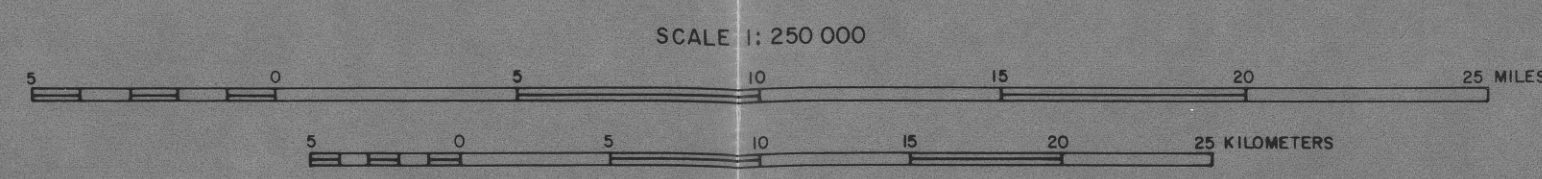






LEGEND

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- 9.0
⊠ DRY STREAM	9.1- 11.0
○ DRY NATURAL LAKE OR POND	11.1- 13.0
⊕ DRY ARTIFICIAL LAKE OR POND	13.1- 15.0
◇ □ △ ▽ ⊠ ○ ⊕	> 15.0



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

