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**Uranium Hydrogeochemical and Stream Sediment
Reconnaissance Data Release
for the Montana Portion of the
Hamilton, Montana/Idaho, NTMS Quadrangle**

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URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE
DATA RELEASE FOR THE MONTANA PORTION OF THE
HAMILTON, MONTANA/IDAHO, NTMS QUADRANGLE

by

Paul L. Aamodt

SUMMARY

This report describes work done in the Hamilton, Montana/Idaho, 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 groundwaters, 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 fall of 1976, investigators from the University of Montana collected water and/or sediment samples from 745 locations within the Hamilton NTMS quadrangle (Fig. 1). An additional 21 locations were sampled in the spring of 1977 to fill in areas missed during the fall sampling. Altogether a total of 766 locations were visited from which there came 463 water samples and 760 sediment samples. The principal investigators from the University of Montana, A. J. Silverman and Ian Lange, selected all sample locations using guidelines developed by the LASL (Sharp, 1977). Due to snow conditions, coverage in the high mountain areas was sparse, particularly along the rugged crest line of the Bitterroot Mountains on the Montana/Idaho border. Additional locations were sampled along the base of the mountains to maintain a nominal density of at least one location every 10 km². All of the samples were taken and treated according to standard specifications described in Appendix A. Uranium concentrations were determined at the LASL using standard analytical methods and procedures, also described in Appendix A. Appendix B is a listing of all field and analytical data for the water samples and Appendix C lists all field and analytical data for the sediment samples. Appendix Items D-I and -II provide keys to the codes used in the data listings.

Fig. 1. Location of report area.

Plate I in the rear pocket is a 1:250 000-scale sample location overlay (showing only the last four digits of the LASL sample location numbers used in the data listings of Appendixes B and C) for use with appropriately-scaled topographic and/or geologic maps and the uranium concentration overlays--Plates II (waters) and III (sediments), also included in the pocket.

Because this is simply a data release, intended to make the data available to the DOE and the public as quickly as possible, no discussion of the geology of the region, uranium occurrences (although none are known in this area), or data evaluation is included. However, a number of pertinent reports have been listed as a bibliography for those wishing to analyze these data in more detail. A reconnaissance report, to be prepared by another DOE laboratory, will cover the complete Hamilton NTMS quadrangle and is scheduled to be released at a later date. It is hoped that these data will also be useful to them.

ACKNOWLEDGMENTS

Thanks are due the principal investigators at the University of Montana, A. J. Silverman and I. Lange, and the several students who collected the samples in this area. Appreciation is also expressed to the many landowners in the area who kindly allowed access to their properties.

Within the LASL, special thanks are due to the following groups and individuals who were responsible for analyzing the samples and managing the data.

The Analytical Chemistry Group, CMB-1, led by Glenn R. Waterbury, was responsible for all of the fluorometric uranium analyses of the water samples. W. H. Ashley, A. L. Henicksman, and D. E. Hedrick performed these water analyses. The Research Reactor Group, P-2, led by Merle E. Bunker, was responsible for all of the DNC analyses for uranium. Michael N. 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 Energy Systems and Statistics Group, Q-12, who were responsible for all data management functions, is also greatly appreciated. Thanks are likewise due Patricia R. O'Rourke, Judy A. Wilkinson, and John E. Tubb, of Group G-5, who were instrumental in putting the report together.

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APPENDIX A

SUMMARY OF STANDARD LASL HSSR FIELD AND ANALYTICAL PROCEDURES

APPENDIX A

SUMMARY OF STANDARD LASL HSSR FIELD AND ANALYTICAL PROCEDURES

I. FIELD PROCEDURES

Water Sampling

Water samples are taken directly from the source wherever possible, filtered through a 0.45- μ membrane filter into one each, prewashed and sealed, 41-ml reactor "rabbit" and 25-ml vial (both polyethylene), and both are then acidified to a pH of ≤ 1 with 8N, reagent-grade, HNO_3 . All sample containers are doubly labeled with preprinted, adhesive labels³ carrying the same sample location number preprinted on the field data form. Springs are sampled as near to their point of emergence as possible; stream waters are taken from fast-flowing current away from the bank; ponds (including small lakes and reservoirs) are sampled from just below the surface, away from the bank; and well waters are taken near the wellhead if the well is pumping or from a holding tank if not.

Sediment Sampling (Wet or Dry)

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

Field Measurements

The air temperature, taken in the shade at the time of sampling, is recorded to the nearest whole degree Celsius. The water temperature is measured in the source water and recorded to the nearest one-tenth degree Celsius. All temperature measurements are made with quality, precalibrated thermometers. The pH of the source water is measured with a calibrated, portable pH meter or multi-range pH paper, and recorded to the nearest one-tenth of a pH unit. The specific conductance ($\mu\text{mho/cm}$) of the source water is measured with a calibrated, temperature compensated (25°C) portable meter after the attached sample cup has first been rinsed three times in the source water. The scintillometer readings, taken on a flat, dry spot within a few meters of the sample location, are measured with a portable scintillometer. Two readings are recorded, the first with a radiation shield in place (blocking out ground radiation), and the second with the shield removed. The readings (in counts/s) are converted by computer (using a calibration factor obtained from testing of the specific scintillometer on a calibration block) to give the equivalent uranium (eU) value set forth in the data listing.

Field Observations

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

Sample Location Verification

The University of Montana investigators supplied field maps and 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 $\sim 30\%$; however, it improves to $\sim 10\%$ one order of magnitude above the lower limit. The basic fluorometric method utilized is described in detail by Hues and others.

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 AND URANIUM DATA 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 NUMBER AND FIELD DATA																								U CONCENTRATION					
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (eU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (N)	UNITS IN ppb
							DATE	HOUR																											
30-46	7167	-114.1694	-2-07-	0-L14003	-11/02/76	-13-	6-	1.8	C-	5.2-	34-	6-2-6-3-6-4-2-1-2-3-5-4-3-	9-	0.85																					
30-46	7142	-114.1650	-2-07-	0-L14004	-11/02/76	-13-	6-	3.2	C-	5.4-	58-	7-2-6-5-8-2-2-1-2-1-5-4-3-	1-	0.59																					
30-46	6444	-114.0100	-2-07-	0-L14008	-11/03/76-	-9-	8-	5.1	C-	6.6-	180-	5-3-6-4-6-2-2-1-2-4-4-1-1-	3-	1.17																					
30-46	6664	-114.0247	-2-07-	0-L14013	-11/03/76	-12-	11-	6.1	C-	7.1-	470-	10-2-6-4-6-2-2-1-2-3-3-2-1-	3-	3.51																					
30-46	7214	-114.0847	-2-07-	0-L14017	-11/03/76	-14-	15-	6.3	C-	6.6-	340-	9-2-6-4-6-2-2-1-2-1-3-3-1-	3-	4.53																					
30-46	6744	-114.0878	-2-07-	0-L14018	-11/03/76	-14-	12-	7.1	C-	5.5-	52-	7-3-6-4-6-2-2-1-2-2-4-2-1-	3-	0.63																					
30-46	6997	-114.1131	-2-07-	0-L14020	-11/04/76-	-9-	5-	4.9	C-	5.9-	90-	5-3-6-4-6-2-2-1-2-2-4-3-1-	1-	1.02																					
30-46	6719	-114.1064	-2-06-	0-L14024	-11/04/76	-12-	11-	4.3	C-	6.6-	210-	11-3-6-4-6-2-2-1-2-2-3-3-2-	3-	0.45																					
30-46	6431	-114.0825	-2-07-	0-L14026	-11/04/76	-13-	10-	6.9	C-	6.0-	46-	12-3-6-4-6-2-2-1-2-2-3-2-2-	3-	0.56																					
30-46	6350	-114.1017	-2-07-	0-L14027	-11/04/76	-14-	10-	5.5	C-	5.5-	33-	11-3-6-4-6-2-2-1-2-2-4-2-2-	3-	0.32																					
30-46	6344	-114.1022	-2-07-	0-L14028	-11/04/76	-14-	10-	5.5	C-	6.3-	82-	11-3-6-4-6-2-2-1-2-2-5-2-2-	1-	1.13																					
30-46	7197	-114.0406	-2-07-	0-L14030	-11/04/76	-15-	11-	7.9	C-	6.6-	285-	6-2-7-6-8-2-2-1-2-4-3-3-1-	3-	1.45																					
30-46	7378	-114.0128	-2-07-	0-L14032	-11/04/76	-16-	12-	3.9	C-	6.5-	169-	9-2-7-5-8-2-2-1-2-3-3-2-1-	3-	0.64																					
30-46	8617	-114.6572	-2-07-	0-L14038	-11/05/76	-14-	8-	4.6	C-	6.3-	142-	7-2-7-4-7-3-2-1-2-3-5-2-2-	1-	1.67																					
30-46	7508	-114.5153	-2-10-	0-L14044	-11/01/76	-15-	10-	4.7	C-	5.6-	85-	5-2-7-6-6-1-2-1-1-4-4-3-	1-	0.23																					
30-46	7514	-114.5094	-2-07-	0-L14045	-11/01/76	-15-	9-	4.1	C-	6.4-	309-	3-2-6-4-6-2-2-1-2-1-3-4-2-	3-	0.57																					
30-46	7583	-114.5081	-2-07-	0-L14046	-11/01/76	-16-	9-	4.2	C-	6.5-	241-	3-2-7-5-6-2-2-1-2-1-4-4-2-	3-	0.30																					
30-46	7531	-114.5058	-2-07-	0-L14047	-11/01/76	-17-	8-	5.1	C-	5.9-	106-	5-2-7-6-6-2-2-1-2-1-4-4-2-	3-	0.05																					
30-46	9014	-114.2894	-2-07-	0-L14048	-11/02/76	-11-	10-	3.9	C-	5.7-	82-	2-2-4-3-6-2-2-1-2-1-3-3-2-	1-	0.25																					
30-46	8839	-114.3039	-2-07-	0-L14049	-11/02/76	-12-	10-	4.4	C-	5.8-	142-	5-2-4-3-6-2-2-1-2-1-4-4-2-	1-	0.40																					
30-46	8831	-114.3033	-2-07-	0-L14050	-11/02/76	-12-	8-	3.5	C-	5.6-	53-	14-2-4-3-6-2-2-1-2-1-4-4-3-	1-	0.07																					
30-46	8950	-114.2844	-2-07-	0-L14051	-11/02/76	-13-	8-	6.3	C-	6.6-	261-	11-2-4-3-6-2-2-1-2-1-4-5-3-	1-	0.21																					
30-46	9100	-114.2833	-2-07-	0-L14053	-11/02/76	-14-	9-	5.6	C-	5.8-	110-	7-2-7-3-4-2-2-1-2-1-4-4-3-	1-	0.20																					
30-46	8844	-114.2967	-2-07-	0-L14058	-11/03/76	-11-	9-	5.2	C-	6.3-	191-	7-2-7-3-6-2-2-1-2-1-4-4-3-	3-	1.12																					
30-46	9403	-114.3175	-2-07-	0-L14059	-11/03/76	-13-	11-	6.0	C-	5.8-	123-	6-2-4-6-6-2-2-1-2-1-4-4-3-	1-	0.24																					
30-46	9406	-114.3181	-2-07-	0-L14060	-11/03/76	-13-	11-	5.4	C-	6.1-	148-	7-2-4-3-6-2-2-1-2-1-4-4-3-	1-	0.54																					
30-46	9414	-114.3161	-2-07-	0-L14061	-11/03/76	-12-	11-	5.9	C-	6.4-	152-	8-2-4-4-6-2-2-1-2-1-4-4-3-	1-	0.32																					
30-46	9592	-114.3483	-2-07-	0-L14073	-11/04/76	-13-	10-	4.5	C-	5.7-	84-	4-2-4-3-4-2-2-1-2-1-3-4-3-	1-	0.44																					
30-46	6367	-114.5817	-2-07-	0-L14076	-10/19/76	-13-	11-	0.9	-	5.2-	170-	10-2-1-2-1-3-3-1-2-1-3-4-1-	1-	0.03																					
30-46	6456	-114.5800	-2-07-	0-L14077	-10/19/76	-13-	7-	0.5	-	5.5-	230-	13-2-1-3-1-3-3-1-2-1-3-4-1-	1-	0.16																					
30-46	6494	-114.5783	-2-07-	0-L14078	-10/19/76	-14-	10-	0.5	-	5.5-	390-	10-2-1-4-1-3-3-1-3-1-3-4-1-	1-	0.29																					
30-46	6581	-114.5825	-2-07-	0-L14079	-10/19/76	-15-	15-	1.2	C-	5.3-	170-	13-2-1-3-1-3-3-1-3-1-2-5-1-	4-	0.06																					
30-46	6622	-114.5794	-2-07-	0-L14080	-10/19/76	-16-	15-	1.5	C-	5.2-	230-	14-2-1-3-1-2-2-1-3-1-3-5-1-	1-	0.56																					
30-46	6769	-114.6172	-2-07-	0-L14081	-10/20/76	-9-	2-	0.6	C-	5.2-	155-	15-2-1-3-1-2-2-1-3-1-3-4-1-	1-	0.39																					
30-46	6961	-114.6047	-2-07-	0-L14082	-10/20/76	-9-	2-	1.0	C-	5.2-	175-	15-2-1-7-6-2-2-1-3-1-3-5-1-	4-	1.28																					
30-46	6989	-114.6044	-2-07-	0-L14083	-10/20/76	-10-	2-	1.8	C-	5.3-	187-	13-2-1-3-1-2-2-1-3-1-3-5-1-	4-	0.25																					
30-46	7006	-114.6028	-2-07-	0-L14084	-10/20/76	-11-	9-	2.0	C-	5.2-	205-	6-2-1-3-1-2-2-1-3-1-3-5-1-	4-	0.34																					
30-46	7022	-114.5978	-2-07-	0-L14085	-10/20/76	-11-	7-	0.5	C-	5.5-	275-	10-2-1-3-1-3-2-1-2-1-3-5-1-	4-	0.29																					
30-46	7094	-114.5944	-2-07-	0-L14086	-10/20/76	-12-	6-	2.3	C-	5.3-	255-	15-2-1-4-1-2-2-1-3-1-3-5-1-	4-	0.36																					
30-46	7078	-114.5911	-2-07-	0-L14087	-10/20/76	-13-	8-	4.5	C-	5.5-	395-	10-2-1-4-1-2-2-1-3-1-3-5-1-	4-	0.37																					
30-46	7125	-114.5922	-2-07-	0-L14088	-10/20/76	-14-	10-	2.5	C-	5.2-	255-	3-2-1-7-2-2-1-3-6-2-5-1-	4-	0.02																					
30-46	7161	-114.5911	-2-07-	0-L14089	-10/20/76	-14-	18-	2.5	C-	5.5-	267-	10-2-1-7-2-2-2-3-6-2-5-1-	4-	0.79																					
30-46	7233	-114.5819	-2-07-	0-L14090	-10/20/76	-14-	19-	2.5	C-	5.2-	245-	7-2-1-7-2-2-2-1-3-6-2-5-1-	4-	0.72																					
30-46	7372	-114.5981	-2-07-	0-L14091	-10/20/76	-15-	17-	2.5	C-	5.6-	422-	10-2-5-3-1-2-2-1-3-1-3-5-1-	1-	0.28																					
30-46	7364	-114.5906	-2-07-	0-L14092	-10/20/76	-16-	12-	1.8	C-	5.5-	235-	6-2-5-3-1-3-3-1-3-1-4-5-1-	1-	0.84																					
30-46	7392	-114.5831	-2-07-	0-L14093	-10/21/76	-9-	1-	0.6	-	5.5-	345-	5-2-5-3-1-2-2-1-3-1-3-5-1-	1-	0.91																					
30-46	7347	-114.5956	-2-07-	0-L14094	-10/21/76	-10-	0-	1.1	C-	5.5-	275-	9-2-4-4-4-2-3-1-3-1-3-5-1-	1-	0.77																					
30-46	7392	-114.5667	-2-07-	0-L14095	-10/21/76	-10-	1-	0.5	-	5.5-	480-	10-2-4-4-2-9-2-3-1-3-1-3-5-1-	4-	1.04																					
30-46	7389	-114.5667	-2-07-	0-L14096	-10/21/76	-10-	1-	0.8	C-	5.6-	525-	10-2-4-2-9-2-3-1-3-1-3-5-1-	4-	1.44																					
30-46	7308	-114.5400	-2-07-	0-L14097	-10/21/76	-11-	3-	0.9	C-	5.6-	525-	4-2-4-4-1-3-3-1-3-1-3-5-1-	4-	0.35																					
30-46	7153	-114.5383	-2-07-	0-L14098	-10/21/76	-11-	5-	1.7	C-	5.8-	373-	9-2-1-4-1-2-3-1-3-1-3-5-1-	4-	0.04																					

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

DOE SAMPLE NUMBER						LAST SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAS. SAMPLE 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 (α) UNITS IN ppb
							DATE	HOUR																										
30-46.7153-114.5383-2-07-	0-L14099-10/21/76-11-	5	0.9-	5.6-	525-	9-3-1-4-1-2-3-1-3-1-3-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04		
30-46.6700-114.5475-2-07-	0-L14100-10/21/76-12-	10	2.3-C-	5.9-	730-	13-3-1-4-1-3-3-1-3-1-2-5-1-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	
30-46.6767-114.5439-2-07-	0-L14101-10/21/76-12-	14	2.3-C-	5.0-	530-	10-3-1-5-6-2-2-1-3-1-2-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04	
30-46.6822-114.5406-2-07-	0-L14102-10/21/76-13-	13	2.0-C-	5.0-	1175-	12-3-1-2-1-3-3-1-3-1-2-5-1-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50	
30-46.6869-114.5331-2-07-	0-L14103-10/21/76-13-	12	2.0-C-	5.0-	1500-	10-3-1-3-1-4-4-2-3-1-2-5-1-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.26	
30-46.6950-114.5292-2-07-	0-L14104-10/21/76-13-	11	2.2-C-	5.0-	1450-	6-3-1-3-1-3-3-1-3-1-3-5-1-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50	
30-46.7058-114.5351-2-07-	0-L14105-10/21/76-14-	11	1.5-C-	5.9-	1175-	12-3-1-3-1-3-3-1-3-1-3-5-1-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.93	
30-46.7000-114.5022-2-07-	0-L14106-10/21/76-14-	13	2.1-	5.9-	1325-	2-3-7-1-7-3-3-1-3-1-3-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	
30-46.7028-114.5106-2-07-	0-L14107-10/21/76-15-	14	2.0-C-	5.2-	165-	3-3-7-4-6-3-3-1-3-1-2-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.44	
30-46.7061-114.5189-2-07-	0-L14108-10/21/76-15-	16	0.5-C-	5.5-	215-	7-3-7-7-7-2-3-1-3-4-3-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	
30-46.7397-114.5356-2-07-	0-L14109-10/21/76-16-	14	2.0-	5.7-	70-	8-1-5-4-6-2-3-1-3-1-3-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35	
30-46.7511-114.5819-2-07-	0-L14110-10/26/76-9-	2	2.8-	5.3-	283-	15-2-5-3-6-2-3-1-3-1-2-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23	
30-46.7628-114.5683-2-07-	0-L14111-10/26/76-10-	3	2.1-C-	5.2-	250-	4-1-1-7-6-1-2-2-2-1-2-5-1-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	
30-46.7708-114.5794-2-07-	0-L14113-10/26/76-10-	4	5.4-C-	5.0-	1375-	8-1-6-6-6-2-2-1-1-1-2-5-3-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	
30-46.7850-114.5917-2-07-	0-L14114-10/26/76-11-	7	2.8-C-	6.3-	1540-	4-1-6-3-9-3-3-1-1-1-3-5-3-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	
30-46.8014-114.6000-2-07-	0-L14115-10/26/76-12-	7	4.1-C-	5.0-	1275-	8-1-6-2-6-3-3-1-1-3-3-5-3-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	
30-46.8094-114.6267-2-07-	0-L14116-10/26/76-12-	7	5.4-C-	5.0-	1325-	10-1-1-3-1-3-3-1-1-4-3-5-3-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.16	
30-46.8103-114.6294-2-07-	0-L14117-10/26/76-12-	9	4.5-C-	6.3-	2275-	9-1-1-3-6-3-3-1-1-1-2-5-3-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.75	
30-46.8469-114.6433-2-07-	0-L14118-10/26/76-13-	9	6.1-C-	6.5-	2125-	12-1-7-7-7-2-2-1-2-1-3-5-3-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.88	
30-46.8303-114.6419-2-07-	0-L14122-10/26/76-14-	9	4.6-	6.3-	1125-	9-1-7-6-6-2-2-1-1-1-3-5-3-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	
30-46.8439-114.7114-2-07-	0-L14124-10/26/76-15-	9	5.6-	6.5-	3800-	4-1-4-6-6-2-2-1-1-1-3-5-2-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	
30-46.8431-114.7056-2-07-	0-L14125-10/26/76-16-	9	4.6-	6.3-	1500-	10-1-4-3-6-3-3-1-1-1-3-5-3-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38	
30-46.8442-114.7061-2-07-	0-L14126-10/26/76-16-	9	4.9-C-	6.3-	2375-	9-1-4-3-6-3-3-1-1-1-3-5-2-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	
30-46.8447-114.6986-2-07-	0-L14127-10/26/76-16-	9	5.5-C-	6.3-	1500-	7-1-4-6-6-2-3-1-1-1-3-5-3-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63	
30-46.7528-114.5547-2-07-	0-L14128-10/27/76-10-	2	2.8-	5.7-	650-	10-1-7-5-6-2-2-1-1-1-2-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.46	
30-46.7797-114.6025-2-07-	0-L14129-10/27/76-11-	2	2.0-C-	5.5-	392-	4-1-1-3-6-3-3-1-3-1-3-5-1-	8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32	
30-46.7806-114.5911-2-07-	0-L14130-10/27/76-11-	2	2.1-C-	5.0-	1000-	5-1-1-3-6-2-3-1-3-1-2-5-1-	9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.56	
30-46.9694-114.8022-2-07-	0-L14131-10/28/76-10-	1	4.0-C-	5.4-	2175-	0-1-4-3-6-3-3-1-3-1-3-5-1-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47	
30-46.9639-114.7778-2-07-	0-L14132-10/28/76-11-	3	2.0-C-	5.5-	2900-	5-1-6-3-6-3-3-1-3-1-3-5-1-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.81	
30-46.9717-114.7611-2-07-	0-L14133-10/28/76-11-	3	2.5-C-	6.5-	3500-	6-1-6-3-6-3-3-1-3-1-3-5-1-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.66	
30-46.9061-114.8050-2-07-	0-L14134-10/28/76-14-	10	6.0-C-	6.3-	1500-	8-1-1-2-1-4-3-1-3-1-3-5-1-	8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.75	
30-46.9175-114.7817-2-07-	0-L14135-10/28/76-14-	11	5.1-C-	6.5-	2900-	5-1-1-7-6-2-2-1-3-1-3-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.02	
30-46.9258-114.7554-2-07-	0-L14138-11/01/76-9-	8	0.5-C-	5.2-	625-	5-2-1-5-6-3-3-1-1-1-3-4-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.45	
30-46.9881-114.9950-2-07-	0-L14139-11/01/76-10-	3	2.0-	5.6-	640-	8-1-7-4-6-3-3-1-1-1-3-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.97	
30-46.9819-114.9761-2-07-	0-L14140-11/01/76-10-	4	2.5-C-	5.7-	975-	6-1-7-3-6-3-3-1-3-1-3-5-4-	4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	
30-46.9811-114.9792-2-07-	0-L14141-11/01/76-10-	4	4.0-	5.7-	700-	6-1-7-3-6-3-3-1-3-1-3-5-4-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.67	
30-46.7858-114.2639-2-07-	0-L14146-10/19/76-12-	6	6.2-C-	6.6-	330-	9-1-7-4-6-2-2-1-2-3-3-4-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.21	
30-46.7856-114.2619-2-07-	0-L14147-10/19/76-12-	6	5.4-C-	6.5-	400-	3-1-7-4-6-2-2-1-2-3-3-6-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.30	
30-46.7606-114.2678-2-07-	0-L14148-10/19/76-14-	11	-	5.2-	25-	5-2-1-4-7-3-2-1-2-3-2-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62	
30-46.7797-114.2992-2-07-	0-L14152-10/19/76-15-	9	0.5-C-	6.0-	300-	6-2-7-4-6-2-2-1-2-3-4-5-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.64	
30-46.7583-114.3094-2-07-	0-L14153-10/19/76-16-	10	-	6.9-	330-	9-2-1-4-6-2-2-1-2-1-3-3-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40	
30-46.8019-114.3139-2-07-	0-L14154-10/22/76-15-	4	1.0-	6.4-	177-	14-1-4-3-4-3-2-1-2-3-4-5-2-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.30	
30-46.7669-114.3353-2-06-	0-L14155-10/19/76-19-	1	2.2-C-	6.8-	520-	11-2-5-6-8-1-2-1-3-6-4-1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.13	
30-46.7764-114.3444-2-07-	0-L14158-10/21/76-11-	2	2.0-C-	6.3-	379-	10-2-1-4-6-2-2-1-2-3-3-4-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.92	
30-46.7717-114.3542-2-06-	0-L14159-10/21/76-11-	4	-	6.9-	520-	11-2-1-4-6-1-2-1-3-3-4-1-1-	1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.81	
30-46.4389-114.0386-2-07-	0-L14160-11/16/76-10-	11	2.2-C-	6.6-	670-	11-1-1-4-6-2-2-1-1-4-4-3-3-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22.10	
30-46.441																																		

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (aU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (n) UNITS IN ppb
							DATE	HOUR																										
30-46	4564-114.0000-2-07-	0-L14167-11/16/76-14-	12-	2.4-	-	6.6-	580-	7-4-	-4-6-2-2-1-	2-4-4-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.97	
30-46	4556-114.0003-2-07-	0-L14168-11/16/76-15-	12-	5.2-	-	6.8-	610-	7-4-	-6-6-3-2-1-	2-2-2-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.06	
30-46	4717-114.0694-2-07-	0-L14169-11/16/76-16-	12-	7.0-	-	7.0-	690-	18-4-	-4-6-2-2-1-	2-1-2-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.40	
30-46	4883-114.0334-2-07-	0-L14171-11/18/76-9-	7-	6.1-	-	6.4-	269-	14-4-	-4-8-3-2-1-	2-4-4-2-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.20	
30-46	3739-114.0386-2-07-	0-L14172-11/18/76-10-	8-	5.0-	-	6.8-	500-	14-4-	-4-6-3-2-1-	2-4-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.73	
30-46	3139-114.0592-2-07-	0-L14173-11/18/76-11-	14-	0.3-	-	6.7-	398-	11-4-	-4-6-3-2-1-	2-4-4-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
30-46	2933-114.0128-2-07-	0-L14174-11/18/76-11-	15-	5.0-	-	5.9-	211-	11-3-1-	-4-6-3-2-1-	2-3-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.72	
30-46	2986-114.0169-2-07-	0-L14175-11/18/76-12-	13-	5.0-	-	6.5-	382-	9-3-1-	-4-6-3-2-1-	2-4-4-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.16	
30-46	2764-114.0167-2-07-	0-L14177-11/18/76-13-	13-	5.0-	-	6.8-	715-	14-3-1-	-4-6-2-2-1-	2-3-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.32*	
30-46	2764-114.0258-2-07-	0-L14178-11/18/76-13-	13-	8.0-	-	6.9-	590-	16-3-1-	-4-6-3-2-2-	2-3-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.10*	
30-46	2661-114.0236-2-07-	0-L14179-11/18/76-14-	14-	7.5-	-	6.8-	680-	21-3-1-	-6-6-2-2-1-	3-3-2-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40*	
30-46	2675-114.0231-2-07-	0-L14180-11/18/76-14-	18-	8.0-	-	6.9-	650-	21-3-1-	-4-6-2-2-1-	2-3-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.02	
30-46	6225-114.1033-2-07-	0-L14181-11/20/76-10-	1-	2.4-C-	-	5.4-	100-	11-2-4-	-4-6-3-3-1-	3-4-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.15	
30-46	6106-114.1131-2-07-	0-L14182-11/20/76-11-	2-	4.0-C-	-	5.7-	370-	7-2-4-	-4-6-3-3-1-	3-3-3-3-4-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.21	
30-46	6097-114.1133-2-07-	0-L14183-11/20/76-11-	4-	1.3-C-	-	5.1-	36-	8-2-6-	-4-6-3-3-1-	3-3-3-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.04	
30-46	5742-114.1494-2-07-	0-L14184-11/20/76-12-	2-	1.3-C-	-	5.2-	29-	18-3-1-	-4-1-3-3-1-	3-3-3-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.72	
30-46	5856-114.1292-2-07-	0-L14185-11/20/76-12-	2-	3.8-C-	-	5.1-	33-	11-3-1-	-4-1-3-3-1-	2-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.52	
30-46	5375-114.1506-2-07-	0-L14187-11/20/76-14-	2-	1.6-C-	-	5.2-	18-	8-2-1-	-4-1-4-3-1-	3-4-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.81	
30-46	5306-114.1364-2-07-	0-L14188-11/20/76-14-	8-	3.2-C-	-	5.2-	31-	6-2-4-	-6-8-3-3-1-	3-3-4-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.13	
30-46	5169-114.1431-2-07-	0-L14190-11/20/76-15-	6-	3.5-C-	-	5.1-	37-	7-3-1-	-6-1-3-3-1-	3-4-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.06	
30-46	0114-114.1169-2-07-	0-L14192-11/24/76-11-	2-	3.1-C-	-	6.6-	311-	26-3-6-	-4-6-2-2-1-	2-3-3-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35	
30-46	0153-114.1050-2-07-	0-L14193-11/24/76-11-	2-	4.1-C-	-	6.4-	290-	21-3-6-	-4-6-2-2-1-	2-3-3-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.92	
30-46	0178-114.0994-2-07-	0-L14194-11/24/76-12-	2-	2.9-C-	-	6.3-	350-	22-3-6-	-4-6-2-2-1-	2-1-3-4-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.31	
30-46	0172-114.0969-2-07-	0-L14195-11/24/76-12-	2-	5.5-C-	-	6.9-	379-	14-3-6-	-5-8-2-2-1-	2-1-3-4-5-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.77	
30-46	5250-114.1303-2-07-	0-L14196-11/20/76-16-	4-	2.4-C-	-	5.1-	31-	11-3-1-	-4-6-3-3-1-	3-3-4-3-1-	-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.36	
30-46	5183-114.1306-2-07-	0-L14197-11/20/76-16-	3-	2.6-C-	-	5.1-	65-	12-3-1-	-6-1-3-3-1-	3-3-3-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.77	
30-46	5908-114.0117-2-07-	0-L14199-11/21/76-9-	-4-	1.3-C-	-	5.5-	30-	9-2-7-	-4-6-3-3-1-	3-3-3-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.54	
30-46	5856-114.0397-2-07-	0-L14200-11/21/76-9-	-2-	1.0-C-	-	5.7-	1-	10-2-7-	-4-6-3-3-1-	3-3-3-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.92	
30-46	5669-114.0331-2-07-	0-L14201-11/21/76-10-	-1-	1.2-C-	-	5.6-	2-	8-2-7-	-4-6-3-3-1-	3-3-3-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.64	
30-46	5608-114.0283-2-07-	0-L14202-11/21/76-10-	-1-	1.2-C-	-	5.6-	2-	9-2-7-	-4-6-3-3-1-	3-4-4-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.93	
30-46	5589-114.0461-2-07-	0-L14203-11/21/76-10-	-1-	1.3-C-	-	5.7-	1-	12-2-7-	-4-6-3-3-1-	3-3-2-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.44	
30-46	5547-114.0225-2-07-	0-L14204-11/21/76-11-	2-	1.7-C-	-	5.8-	2-	12-2-7-	-4-6-3-3-3-	1-4-2-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.30*	
30-46	5003-114.0075-2-07-	0-L14206-11/21/76-11-	2-	3.0-C-	-	5.6-	3-	5-2-7-	-4-6-3-3-1-	3-3-3-4-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.88	
30-46	5008-114.0178-2-07-	0-L14207-11/21/76-12-	1-	1.8-C-	-	5.4-	3-	3-2-7-	-4-6-3-3-1-	3-3-2-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.74	
30-46	5008-114.0403-2-07-	0-L14208-11/21/76-12-	2-	2.0-C-	-	5.5-	4-	3-4-	-4-6-3-3-1-	3-3-2-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.63	
30-46	5456-114.1233-2-07-	0-L14209-11/21/76-13-	4-	2.2-C-	-	5.2-	10-	4-2-7-	-4-6-2-2-1-	3-4-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24	
30-46	5594-114.1281-2-07-	0-L14210-11/21/76-13-	5-	0.8-C-	-	5.2-	14-	9-3-1-	-4-6-3-3-1-	3-4-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.03	
30-46	0061-114.1122-2-07-	0-L14213-11/24/76-14-	7-	5.5-C-	-	7.0-	407-	15-3-6-	-4-6-2-2-1-	2-3-4-4-5-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.38	
30-46	0042-114.1144-2-06-	0-L14214-11/24/76-14-	4-	1.2-C-	-	6.6-	290-	10-3-6-	-5-8-2-2-1-	2-1-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION									
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE ($\mu\text{mho/cm}$)	SCINTILLOMETER (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (*)	UNITS IN PPB
							DATE	HOUR																											
30-46.7667-114.3403-2-00-						0-L14238-10/21/76-9-	-6-		-C-	6.5-	390-	7-2-5-5-8-1-2-2-3-3-4-1-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.19			
30-46.2019-114.0117-2-07-						0-L14241-12/13/76-11-	1-	0.6-C-	6.7-	255-	2-3-7-6-7-2-2-1-2-1-4-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50			
30-46.2011-114.0206-2-07-						0-L14243-12/13/76-12-	1-	0.5-C-	6.8-	331-	4-2-7-4-7-2-2-1-2-1-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.41			
30-46.2011-114.0322-2-07-						0-L14245-12/13/76-12-	2-	1.0-C-	6.0-	286-	3-2-7-4-7-2-2-1-2-1-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.05			
30-46.2089-114.0431-2-07-						0-L14246-12/13/76-12-	4-	1.1-C-	6.9-	510-	5-3-7-4-7-2-2-1-2-1-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.41			
30-46.2022-114.0564-2-07-						0-L14247-12/13/76-13-	5-	4.0-C-	6.9-	404-	9-2-7-4-7-2-2-1-2-4-4-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.46			
30-46.2214-114.0253-2-06-						0-L14250-12/13/76-14-	5-	4.2-C-	6.3-	421-	4-2-7-5-6-1-2-2-1-2-4-4-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.75			
30-46.7756-114.3636-2-07-						0-L14258-10/21/76-13-	7-	-	C-	6.6-	335-	7-2-1-4-6-2-2-1-2-2-3-4-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.67			
30-46.7550-114.2039-2-07-						0-L14263-10/21/76-14-	10-	2.3-C-	6.9-	465-	7-2-1-5-6-3-2-2-1-2-1-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.75			
30-46.7411-114.2011-2-07-						0-L14268-10/21/76-15-	6-	1.0-C-	5.9-	90-	5-2-1-5-8-2-2-1-2-1-2-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43			
30-46.7422-114.1908-2-07-						0-L14270-10/22/76-9-	1-	-	C-	6.3-	102-	7-2-1-4-6-3-2-2-1-2-1-2-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.71			
30-46.7400-114.1494-2-07-						0-L14272-10/22/76-10-	-	-	C-	6.0-	150-	7-2-7-3-6-3-2-2-1-2-1-3-5-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.18			
30-46.7331-114.1322-2-07-						0-L14275-10/22/76-11-	5-	-	C-	6.9-	305-	4-2-1-4-6-2-2-1-2-2-3-3-5-3-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.85			
30-46.9189-114.0272-2-09-						0-L14280-10/30/76-12-	7-	2.0-C-	6.9-	650-	4-1-4-5-6-1-2-2-2-2-4-2-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.85			
30-46.9444-114.0144-2-07-						0-L14284-10/30/76-13-	10-	4.5-C-	6.6-	222-	8-1-4-4-6-6-2-2-2-2-4-2-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.83			
30-46.9642-114.0075-2-07-						0-L14287-10/30/76-14-	9-	4.0-C-	6.3-	68-	5-1-4-4-6-3-2-2-1-2-3-3-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.33			
30-46.8994-114.0067-2-10-						0-L14290-10/30/76-15-	11-	7.0-C-	7.2-	700-	6-1-4-6-8-1-2-2-5-3-4-2-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.13			
30-46.9322-114.0667-2-10-						0-L14292-10/31/76-9-	3-	2.2-C-	6.3-	268-	6-1-4-6-8-1-2-2-2-1-4-2-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.42			
30-46.9583-114.0658-2-07-						0-L14294-10/31/76-11-	2-	2.8-C-	6.2-	130-	6-1-4-5-6-2-2-2-1-2-3-4-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.51			
30-46.9589-114.0644-2-07-						0-L14295-10/31/76-11-	2-	4.5-C-	6.2-	177-	5-1-4-5-6-2-2-2-1-2-3-4-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02			
30-46.9678-114.0664-2-07-						0-L14297-10/31/76-14-	9-	5.0-C-	7.0-	520-	9-1-4-6-8-2-2-2-2-3-3-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.18			
30-46.9739-114.0306-2-07-						0-L14298-10/31/76-13-	8-	6.0-C-	6.7-	340-	6-1-4-4-6-3-2-2-1-2-2-3-3-3-	-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.46			
30-46.9700-114.0719-2-07-						0-L14299-10/31/76-14-	8-	5.8-C-	6.8-	590-	6-1-4-6-8-2-2-2-1-3-3-2-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31			
30-46.9744-114.0689-2-07-						0-L14300-10/31/76-15-	7-	4.6-C-	6.5-	170-	4-1-4-4-6-6-3-2-2-1-2-3-4-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30			
30-46.7661-114.4792-2-07-						0-L14306-10/22/76-9-	-	2.5-C-	5.5-	205-	11-2-1-3-6-2-2-2-2-1-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41			
30-46.7606-114.4892-2-07-						0-L14307-10/22/76-11-	3-	2.5-C-	5.8-	435-	6-2-7-3-6-3-2-2-2-3-4-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.93			
30-46.7569-114.4978-2-07-						0-L14308-10/22/76-12-	7-	2.5-C-	6.2-	320-	5-2-1-3-6-3-2-2-2-3-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47			
30-46.7689-114.4619-2-07-						0-L14309-10/22/76-13-	4-	2.4-C-	5.9-	335-	6-2-1-3-6-3-3-1-2-3-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.71			
30-46.7664-114.4644-2-07-						0-L14310-10/22/76-14-	4-	2.0-C-	5.7-	220-	7-2-1-3-6-3-3-1-2-1-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.74			
30-46.7786-114.4494-2-07-						0-L14311-10/22/76-15-	8-	2.5-C-	5.7-	365-	6-2-1-3-6-2-3-2-1-3-3-2-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43			
30-46.7778-114.4506-2-07-						0-L14312-10/22/76-15-	5-	2.5-C-	5.8-	250-	7-2-1-2-6-3-3-2-1-3-4-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20			
30-46.7872-114.4131-2-07-						0-L14313-10/22/76-16-	7-	5.5-C-	6.3-	550-	8-2-1-5-8-2-2-3-1-3-4-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57			
30-46.7872-114.4222-2-07-						0-L14314-10/22/76-17-	5-	4.0-C-	6.1-	495-	6-2-1-5-8-2-2-3-1-1-3-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57			
30-46.7878-114.4211-2-07-						0-L14315-10/22/76-17-	4-	4.0-C-	6.2-	500-	9-2-1-3-6-2-2-2-1-1-3-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.89			
30-46.7800-114.4233-2-07-						0-L14316-10/22/76-18-	4-	2.5-C-	6.1-	490-	11-2-7-5-7-2-3-3-1-1-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43			
30-46.7811-114.4194-2-07-						0-L14317-10/22/76-18-	3-	2.5-C-	6.2-	500-	7-2-7-3-7-3-2-3-1-1-2-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.57			
30-46.7853-114.4003-2-06-						0-L14318-10/24/76-10-	-	0.2-C-	6.1-	500-	11-2-7-6-8-2-2-3-1-1-3-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.29			
30-46.8050-114.4008-2-07-						0-L14319-10/24/76-11-	5-	5.5-C-	5.7-	170-	10-2-1-5-8-2-3-2-1-4-3-2-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.81			
30-46.8053-114.4017-2-07-						0-L14320-10/24/76-12-	7-	2.5-C-	5.9-	220-	11-2-7-3-7-3-2-2-1-4-3-2-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.54			
30-46.8014-114.4011-2-07-						0-L14321-10/24/76-13-	10-	2.5-C-	5.5-	165-	10-2-7-5-7-3-2-2-1-4-3-2-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.01			
30-46.7950-114.3992-2-07-						0-L14322-10/24/76-13-	10-	1.0-C-	5.5-	220-	6-2-7-5-8-2-2-3-1-4-3-2-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.14			
30-46.8189-114.4088-2-07-						0-L14323-10/24/76-15-	7-	2.5-C-	5.1-	135-	6-2-7-3-6-3-2-2-1-1-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.78			
30-46.8172-114.4103-2-07-						0-L14324-10/24/76-15-	10-	-	C-	5.8-	70-	5-2-7-3-6-2-3-3-1-1-2-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.40			
30-46.8083-114.4092-2-07-						0-L14325-10/24/76-16-	11-	2.5-C-	5.9-	260-	11-2-7-3-6-2-2-3-1-4-2-4-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.37			
30-46.8053-114.4069-2-06-						0-L14326-10/24/76-17-	7-	5.0-C-	6.3-	345-	11-2-4-3-8-1-2-4-1-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62			
30-46.8811-114.4431-2-07-						0-L14332-10/23/76-10-	7-	6.0-C-	5.8-	150-	6-1-4-5-6-3-3-2-2-1-2-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.62			
30-46.8903-114.4919-2-07-						0-L14333-10/23/76-10-	3-	5.5-C-	5.8-	180-	6-1-1-5-6-3-3-1-2-7-4-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.92			
30-46.8900-114.4911-2-06-						0-L14334-10/23/76-10-	1-	6.0-C-	6.1-	210-	5-1-1-6-6-2-3-2-3-1-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																							U CONCENTRATION						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE 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 (u)	UNITS IN ppb
							DATE	HOUR																											
30-46	9078-114.4606-2-07-	0-L14344-10/23/76-15-	11-	A,0-C-	5.7-	115-	A-1-4-2-4-3-2-1-2-1-2-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.55		
30-46	9431-114.4961-2-06-	0-L14345-10/23/76-16-	9-10-	A,0-C-	6.3-	200-	5-4-1-5-6-2-3-1-3-1-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.68	
30-46	9408-114.4956-2-06-	0-L14346-10/23/76-17-	6-	A,0-C-	5.6-	70-	6-1-1-2-1-2-2-2-3-1-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.12	
30-46	9381-114.4811-2-07-	0-L14347-10/24/76-10-	-	A,0-C-	6.0-	190-	6-1-1-3-4-3-3-1-2-1-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38	
30-46	9369-114.4911-2-07-	0-L14348-10/24/76-11-	-	A,0-C-	5.5-	75-	9-1-1-2-1-2-3-1-2-1-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.65	
30-46	9372-114.4778-2-07-	0-L14349-10/24/76-11-	-	A,0-C-	6.4-	325-	4-1-1-3-4-3-3-1-2-1-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60	
30-46	9172-114.4653-2-06-	0-L14351-10/24/76-12-	4-	A,0-C-	6.4-	410-	4-1-1-5-6-3-3-1-3-1-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.05	
30-46	9178-114.4511-2-06-	0-L14352-10/24/76-12-	3-	A,0-C-	6.0-	160-	7-1-1-5-6-2-3-1-3-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.26	
30-46	9325-114.4417-2-07-	0-L14355-10/24/76-13-	5-	A,0-C-	6.0-	130-	5-1-5-3-4-4-3-1-2-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.85	
30-46	9567-114.4250-2-07-	0-L14359-10/24/76-14-	7-	A,0-C-	6.0-	160-	9-1-1-3-1-3-3-1-2-1-2-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	
30-46	9619-114.4381-2-06-	0-L14360-10/24/76-15-	6-	A,0-C-	6.4-	260-	9-1-5-7-5-4-3-1-3-1-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.29	
30-46	9658-114.4383-2-07-	0-L14363-10/30/76-10-	-	A,0-C-	5.7-	210-	5-1-1-4-6-3-3-2-3-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	
30-46	9803-114.4536-2-06-	0-L14364-10/30/76-11-	5-	A,0-C-	6.3-	560-	4-1-1-5-6-2-3-3-3-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.04	
30-46	9711-114.2450-2-07-	0-L14370-10/31/76-10-	4-	A,0-C-	5.5-	80-	1-1-4-5-6-3-3-1-2-1-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.83	
30-46	9789-114.4467-2-07-	0-L14371-10/23/76-9-	2-	A,5-	6.1-	290-	6-4-1-4-6-4-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.66	
30-46	9703-114.4500-2-07-	0-L14373-10/23/76-11-	1-	A,5-	5.7-	250-	7-2-6-5-7-3-3-1-3-3-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.26	
30-46	9639-114.4431-2-07-	0-L14374-10/23/76-10-	1-	A,5-	5.4-	120-	11-2-1-4-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25	
30-46	9639-114.4442-2-07-	0-L14375-10/23/76-10-	1-	A,5-	5.6-	120-	9-2-1-4-7-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.47	
30-46	9597-114.4667-2-09-	0-L14376-10/23/76-12-	1-	A,5-	5.6-	95-	8-2-1-6-6-3-3-1-3-3-4-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.32	
30-46	9444-114.4817-2-07-	0-L14378-10/23/76-12-	7-	A,1-	5.6-	190-	5-2-1-5-6-3-3-1-3-3-4-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.46	
30-46	9169-114.4881-2-07-	0-L14380-10/23/76-12-	6-	A,3-	5.7-	190-	7-2-1-5-7-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.94	
30-46	9086-114.4861-2-07-	0-L14382-10/28/76-16-	18-	A,8-C-	6.0-	1925-	3-1-1-3-6-2-3-1-2-1-2-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.58	
30-46	8986-114.4653-2-07-	0-L14383-10/23/76-14-	9-	A,7-3-	6.0-	230-	8-2-1-6-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.03	
30-46	8981-114.4697-2-06-	0-L14384-10/23/76-15-	11-	A,7-2-	5.7-	150-	12-2-7-5-6-1-3-1-3-3-5-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.37	
30-46	8997-114.4617-2-07-	0-L14385-10/23/76-15-	11-	A,0-	5.5-	125-	3-2-7-5-6-3-3-1-3-3-4-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.16	
30-46	9006-114.4333-2-07-	0-L14386-10/23/76-16-	12-	A,7-0-	6.0-	350-	14-2-7-6-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.33	
30-46	8997-114.4844-2-07-	0-L14387-10/23/76-16-	10-	A,4-	5.7-	200-	8-2-1-4-1-3-3-1-3-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.39	
30-46	8925-114.4844-2-07-	0-L14388-10/28/76-15-	18-	A,5-C-	6.5-	2925-	9-1-1-3-7-2-2-1-2-1-2-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.34	
30-46	8800-114.4225-2-07-	0-L14395-10/24/76-11-	1-	A,5-	5.6-	245-	5-2-7-5-6-3-3-1-3-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.80	
30-46	8794-114.4214-2-07-	0-L14396-10/24/76-10-	1-	A,7-	5.6-	220-	6-2-4-4-1-3-3-1-3-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.64	
30-46	9269-114.4714-2-07-	0-L14399-10/24/76-12-	2-	A,4-	5.7-	185-	8-2-4-4-6-3-3-1-3-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.11	
30-46	9325-114.4708-2-07-	0-L14400-10/24/76-13-	13-	A,0-	6.0-	250-	5-2-7-4-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.32	
30-46	9392-114.4742-2-07-	0-L14403-10/24/76-14-	9-	A,5-	5.8-	290-	9-2-7-6-6-3-3-1-3-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.48	
30-46	9394-114.4761-2-07-	0-L14406-10/24/76-14-	14-	A,9-	5.7-	185-	11-2-7-5-6-3-3-1-3-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.99	
30-46	9589-114.4723-2-07-	0-L14408-10/28/76-12-	3-	A,0-	5.8-	725-	9-1-1-6-8-2-2-1-1-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30	
30-46	9675-114.4703-2-07-	0-L14411-10/24/76-15-	9-	A,8-	5.6-	130-	9-2-7-5-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.91	
30-46	9731-114.4728-2-07-	0-L14412-10/24/76-16-	10-	A,9-	5.6-	120-	6-2-7-5-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.60	
30-46	9808-114.4730-2-07-	0-L14414-10/28/76-9-	-	A,6-C-	5.7-	680-	-1-7-3-7-2-2-1-3-1-3-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.35	

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[illegible]

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																										U CONCENTRATION			
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE 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																											
30-46	3467-114.2158-2-07					0-L14532-10/20/75-15	9	2.1-C	-	5.3-	19-	7-3-1-4-6-2-2-1-2-2-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20		
30-46	3444-114.2303-2-07					0-L14533-10/20/75-15	11	7.8-C	-	5.3-	20-	5-3-1-4-6-2-2-1-2-1-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	
30-46	3461-114.2306-2-07					0-L14534-10/20/75-16	10	3.1-C	-	5.4-	16-	4-3-1-4-6-2-2-1-2-1-3-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.05	
30-46	3375-114.2192-2-07					0-L14536-10/20/75-17	9	4.1-C	-	5.3-	14-	7-3-1-3-7-2-2-1-2-1-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20	
30-46	3339-114.2181-2-07					0-L14537-10/20/75-17	11	6.9-C	-	5.7-	94-	7-3-1-6-6-2-2-1-2-4-4-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.36	
30-46	3550-114.2661-2-07					0-L14538-10/21/75-14	4	4.8-C	-	5.3-	15-	4-3-1-4-7-2-2-1-2-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	
30-46	3556-114.2769-2-07					0-L14539-10/21/75-13	7	3.1-C	-	5.2-	24-	4-3-1-4-7-2-2-1-2-1-4-5-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	
30-46	3567-114.2922-2-07					0-L14540-10/21/75-13	4	5.1-C	-	5.4-	28-	4-3-1-4-6-2-2-1-2-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.70	
30-46	3572-114.3194-2-10					0-L14541-10/21/75-12	8	4.0-C	-	5.1-	17-	5-3-1-4-7-1-2-1-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.79	
30-46	3564-114.2886-2-07					0-L14542-10/21/75-13	4	3.0-C	-	5.2-	16-	4-3-1-4-7-2-2-1-2-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.49	
30-46	3097-114.2083-2-07					0-L14545-10/21/75-15	12	4.0-C	-	5.2-	15-	7-3-1-3-7-2-2-1-2-2-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.74	
30-46	2994-114.2083-2-07					0-L14546-10/21/75-15	12	5.8-C	-	5.6-	42-	4-3-1-4-6-2-2-1-1-4-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.29	
30-46	2928-114.2181-2-07					0-L14548-10/21/75-16	12	4.1-C	-	5.3-	35-	12-3-1-4-6-2-2-1-2-2-3-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10	
30-46	2875-114.2086-2-07					0-L14549-10/21/75-16	12	5.3-C	-	5.3-	30-	4-3-1-3-3-2-2-1-2-2-4-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.97	
30-46	2800-114.2057-2-07					0-L14550-10/21/75-16	11	5.1-C	-	5.2-	14-	6-3-1-3-1-2-2-1-2-1-3-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.41	
30-46	2689-114.2456-2-07					0-L14552-10/22/75-10	6	1.1-C	-	5.2-	13-	13-3-1-4-6-2-2-1-2-1-4-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.36	
30-46	2522-114.2469-2-07					0-L14553-10/22/75-11	5	1.5-C	-	5.3-	16-	8-3-1-4-7-2-2-1-2-1-4-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.85	
30-46	2603-114.2311-2-10					0-L14554-10/22/75-11	7	1.5-C	-	5.4-	59-	4-3-1-4-3-1-3-1-1-4-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.22	
30-46	2544-114.2250-2-07					0-L14556-10/22/75-12	6	2.2-C	-	5.2-	17-	11-3-1-4-6-2-2-1-2-1-4-5-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.88	
30-46	2519-114.2100-2-07					0-L14557-10/26/75-15	17	1.7-	-	5.3-	330-	4-3-1-4-7-2-2-1-2-2-3-3-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.59	
30-46	1339-114.4925-2-07					0-L14558-10/26/75-16	6	1.7-C	-	5.2-	9-	3-3-7-4-6-2-2-1-2-1-4-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.38	
30-46	1328-114.4914-2-07					0-L14559-10/26/75-17	6	1.8-C	-	5.3-	11-	6-3-7-4-7-2-2-1-2-1-4-4-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	
30-46	8317-114.4156-2-07					0-L14561-10/27/75-18	12	3.8-C	-	5.4-	52-	11-6-6-6-2-2-1-1-1-2-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.13	
30-46	8314-114.4036-2-07					0-L14563-10/28/75-11	8	3.3-C	-	6.2-	238-	5-2-4-6-6-2-2-1-1-1-4-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.34	
30-46	8231-114.4108-2-07					0-L14564-10/28/75-12	12	2.8-C	-	5.3-	58-	4-2-7-6-6-2-2-1-2-1-4-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	
30-46	8433-114.4222-2-07					0-L14565-10/28/75-12	11	1.5-C	-	5.6-	74-	12-2-7-5-6-2-2-1-2-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.31	
30-46	8450-114.4208-2-07					0-L14566-10/28/75-13	9	3.4-C	-	5.9-	141-	0-2-7-5-6-2-2-1-2-1-4-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.23	
30-46	8467-114.4314-2-06					0-L14567-10/28/75-14	10	3.0-C	-	5.7-	115-	4-2-7-6-6-1-2-1-3-1-4-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.24	
30-46	8431-114.4428-2-07					0-L14568-10/28/75-13	13	3.0-C	-	6.1-	195-	6-2-6-5-6-2-2-1-2-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04	
30-46	8328-114.4592-2-07					0-L14570-10/28/75-16	10	4.0-C	-	6.2-	195-	10-2-7-3-6-2-2-1-2-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.72	
30-46	8322-114.4594-2-07					0-L14571-10/28/75-16	9	3.6-C	-	5.4-	161-	7-2-7-3-6-2-2-1-2-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.56	
30-46	8333-114.4572-2-07					0-L14572-10/28/75-16	9	4.9-C	-	6.4-	169-	3-2-7-5-6-2-2-1-2-1-4-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.84	
30-46	7847-114.3903-2-07					0-L14574-10/29/75-10	9	5.1-C	-	6.8-	510-	3-2-1-5-6-2-2-1-2-1-4-3-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.57	
30-46	7794-114.3956-2-07					0-L14575-10/29/75-11	9	3.8-C	-	6.2-	224-	7-2-7-5-6-2-2-1-2-1-4-4-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.17	
30-46	7808-114.3861-2-07					0-L14577-10/29/75-12	9	5.1-C	-	6.7-	550-	1-2-7-5-6-2-2-1-2-1-3-4-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.46	
30-46	7747-114.3844-2-07					0-L14578-10/29/75-12	10	4.5-C	-	6.3-	292-	2-2-7-6-6-2-2-1-2-1-4-4-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.25	
30-46	6714-114.5747-2-07					0-L14579-11/01/75-11	7	5.0-C	-	5.2-	17-	7-3-1-4-7-2-2-1-2-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.43	
30-46	6747-114.5694-2-07					0-L14580-11/01/75-12	7	4.4-C	-	5.2-	30-	7-3-7-4-7-2-2-1-2-1-4-4-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.29	
30-46	6783-114.5650-2-06					0-L14581-11/01/75-13	8	4.8-C	-	5.2-	22-	9-3-1-4-6-1-2-1-1-1-4-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.90	
30-46	6803-114.5656-2-07					0-L14582-11/01/75-13	8	4.5-C	-	5.2-	28-	10-3-1-4-6-2-2-1-2-1-5-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.27	
30-46	6894-114.5556-2-07					0-L14583-11/01/75-14	4	4.1-C	-	5.3-	29-	3-3-1-4-6-2-2-1-2-1-5-5-2-	-	-	-	-	-	-																	

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION									
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE 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 (u)	UNITS IN ppb
							DATE	HOUR																											
30-46.1986-114.1922-2-07-						0-L14595-10/19/75-16-	4-	1.2-C-	5.2	17-					9-3-7-3-6-2-2-1-2-2-4-2-1-	-1-																		0.36	
30-46.1597-114.1983-2-07-						0-L14596-10/19/75-17-	5-	5.1-C-	5.6	65-					8-3-8-4-6-2-2-1-2-2-2-2-1-	-7-																		0.01	
30-46.1664-114.2039-2-07-						0-L14597-10/19/75-17-	2-	4.1-C-	5.8	100-					5-3-8-6-8-2-2-1-1-2-5-2-1-	-1-																		0.48	
30-46.1672-114.2042-2-07-						0-L14598-10/19/75-16-		3.0-C-	5.2	36-					4-3-6-4-6-2-2-1-2-2-2-2-1-	-3-																		0.29	
30-46.1844-114.1819-2-07-						0-L14599-10/20/75-10-	1-	1.1-C-	5.7	58-					4-3-6-4-6-2-2-1-2-4-4-1-1-	-3-																		0.58	
30-46.1839-114.1836-2-07-						0-L14600-10/20/75-10-	1-	1.0-C-	5.3	52-					9-3-6-6-8-2-2-1-1-3-4-1-1-	-3-																		0.68	
30-46.1683-114.1889-2-07-						0-L14601-10/20/75-11-	2-	2.2-C-	5.8	99-					5-3-6-3-6-3-2-1-2-4-3-2-1-	-7-																		0.02	
30-46.1508-114.2042-2-07-						0-L14602-10/20/75-12-	5-	2.5-C-	5.2	14-					5-3-1-4-6-3-2-1-2-4-4-2-1-	-3-																		0.18	
30-46.1492-114.2050-2-07-						0-L14603-10/20/75-12-	7-	2.2-C-	5.2	36-					5-3-6-5-8-2-2-3-1-4-5-1-1-	-7-																		0.03	
30-46.1272-114.2144-2-07-						0-L14604-10/20/75-13-	7-	2.5-C-	5.2	19-					7-3-7-3-6-2-2-1-2-2-5-3-1-	-7-																		0.25	
30-46.1258-114.2139-2-07-						0-L14605-10/20/75-14-	7-	5.0-C-	5.7	70-					6-3-7-3-6-2-2-2-1-2-5-2-1-	-7-																		0.26	
30-46.1308-114.2111-2-07-						0-L14606-10/20/75-15-	10-	3.1-C-	5.2	28-					9-3-1-4-1-2-2-2-2-2-4-4-1-	-1-																		0.33	
30-46.1400-114.2164-2-07-						0-L14607-10/20/75-15-	9-	4.1-C-	5.6	51-					7-3-6-3-6-2-2-1-2-4-2-2-1-	-1-																		0.41	
30-46.1444-114.2164-2-07-						0-L14608-10/20/75-16-	11-	3.1-C-	5.2	11-					7-3-7-1-6-3-2-1-2-1-3-3-1-	-1-																		0.17	
30-46.1225-114.2308-2-07-						0-L14609-10/21/75-10-	2-	3.9-C-	5.5	37-					7-3-7-4-7-2-2-1-2-2-5-3-1-	-1-																		0.80	
30-46.1186-114.2394-2-07-						0-L14611-10/21/75-11-	2-	2.5-C-	5.2	38-					4-3-6-4-6-2-2-1-2-2-3-4-1-	-1-																		0.40	
30-46.1100-114.2406-2-07-						0-L14612-10/21/75-12-	5-	3.1-C-	5.6	54-					11-3-6-4-6-2-2-1-2-2-4-2-1-	-1-																		0.27	
30-46.1058-114.2014-2-07-						0-L14613-10/21/75-12-	5-	7.9-C-	5.5	55-					2-3-6-4-6-2-2-1-1-2-3-1-1-	-3-																		0.01	
30-46.0778-114.2261-2-07-						0-L14614-10/21/75-13-	6-	0.4-C-	5.2	39-					10-3-6-4-6-3-2-1-2-2-3-3-1-	-8-																		0.07	
30-46.0853-114.2206-2-07-						0-L14615-10/21/75-13-	10-	7.9-C-	6.1	157-					8-3-6-4-6-2-2-1-2-2-3-4-1-	-9-																		0.06	
30-46.0814-114.2317-2-07-						0-L14620-10/21/75-14-	11-	3.8-C-	6.3	230-					6-3-6-5-8-2-2-3-1-4-3-2-1-	-3-																		0.25	
30-46.0550-114.1944-2-07-						0-L14621-10/21/75-15-	8-	7.1-C-	5.8	125-					3-3-6-4-6-3-2-1-2-4-3-2-1-	-3-																		0.18	
30-46.0544-114.1939-2-07-						0-L14622-10/21/75-15-	8-	6.1-C-	5.6	75-					8-3-6-4-6-2-2-1-2-4-2-3-1-	-9-																		0.16	
30-46.0564-114.1911-2-07-						0-L14623-10/21/75-16-	10-	9.1-C-	6.1	81-					4-3-6-4-6-3-2-1-2-2-3-3-1-	-3-																		0.05	
30-46.0317-114.1894-2-07-						0-L14624-10/21/75-16-	8-	7.1-C-	5.7	99-					18-3-6-4-6-3-2-1-2-2-4-2-1-	-3-																		0.02	
30-46.0364-114.1939-2-07-						0-L14625-10/21/75-16-	8-	6.9-C-	5.7	93-					9-3-6-4-6-3-2-1-2-4-4-2-1-	-3-																		0.01	
30-46.0331-114.1992-2-07-						0-L14626-10/22/75-10-	5-	6.1-C-	5.6	78-					8-3-6-4-6-3-2-1-2-3-4-3-2-	-7-																		0.03	
30-46.0353-114.2125-2-07-						0-L14627-10/22/75-10-	6-	2.9-C-	5.2	18-					7-3-7-4-6-2-2-1-2-4-5-1-2-	-3-																		0.82	
30-46.0322-114.2183-2-07-						0-L14628-10/22/75-11-	6-	1.1-C-	5.1	17-					4-3-6-4-6-3-3-1-2-3-5-2-2-	-1-																		0.66	
30-46.0342-114.2417-2-07-						0-L14634-10/22/75-12-	5-	3.5-C-	5.5	59-					8-3-6-4-6-2-2-2-2-1-5-5-2-	-1-1-																		0.90	
30-46.0331-114.2406-2-07-						0-L14635-10/22/75-12-	7-	2.6-C-	5.5	55-					7-3-6-4-6-2-2-1-2-1-5-4-3-	-1-																		1.15	
30-46.0328-114.2350-2-07-						0-L14637-10/22/75-13-	7-	6.1-C-	5.5	55-					6-3-6-4-6-2-2-1-2-1-2-3-2-	-7-																		0.21	
30-46.0342-114.2292-2-07-						0-L14638-10/22/75-13-	10-	8.1-C-	5.6	67-					10-3-6-4-6-2-2-1-2-2-4-2-2-	-7-																		0.03	
30-46.0214-114.1869-2-07-						0-L14639-10/22/75-14-	7-	2.5-C-	5.2	15-					7-3-6-4-6-2-2-1-2-3-4-3-2-	-1-																		0.28	
30-46.0175-114.1967-2-07-						0-L14640-10/22/75-15-	10-	3.9-C-	5.2	21-					11-3-6-4-6-2-2-1-2-2-3-3-2-	-7-																		0.47	
30-46.0142-114.2544-2-07-						0-L14641-10/26/75-14-	9-	4.5-C-	5.2	16-					12-3-6-4-8-3-2-1-2-1-5-3-2-	-8-																		0.72	
30-46.1053-114.2775-2-07-						0-L14642-10/26/75-15-	9-	5.2-C-	5.2	13-					8-3-7-4-6-3-2-1-2-1-4-3-2-	-9-																		0.30	
30-46.1206-114.3053-2-07-						0-L14643-10/26/75-16-	6-	4.6-C-	5.1	13-					8-3-7-1-7-4-2-1-2-1-4-4-3-	-1-																		0.30	
30-46.1050-114.2778-2-07-						0-L14646-10/26/75-17-	6-	5.1-C-	5.2	19-					2-3-6-4-7-2-2-1-2-2-4-2-3-	-1-																		0.05	
30-46.0033-114.1656-2-07-						0-L14647-10/27/75-10-	1-	3.1-C-	5.6	85-					12-3-7-2-7-2-2-1-2-2-4-1-1-	-7-																		0.30	
30-46.0047-114.1672-2-07-						0-L14648-10/27/75-10-	1-	2.2-C-	5.2	25-					10-3-6-2-6-3-2-1-2-2-3-2-1-	-7-																		0.23	
30-46.0708-114.2519-2-07-						0-L14650-10/27/75-11-	2-	1.3-C-	5.3	61-					8-3-3-3-3-2-2-1-2-1-4-3-1-	-1-																		0.34	
30-46.0761-114.2522-2-07-						0-L14651-10/27/75-12-	3-	1.9-C-	5.3	34-					9-3-6-2-6-3-2-1-2-2-3-3-1-	-1-																		0.22	
30-46.1389-114.4075-2-07-						0-L14659-10/27/75-15-	4-	4.9-C-	5.2	9-					5-3-7-1-7-4-2-1-2-1-4-5-1-	-1-																		0.22	
30-46.1																																			

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION									
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE 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 (u)	UNITS IN ppb
							DATE	HOUR																											
30-46.8539-114.1656-2-07-						0-L14671-10/28/75-13-			3-	1.8-C-			6.5-	253-	6-2-6-5-8-3-2-1-2-2-5-3-1-	-3-																	1.75		
30-46.7269-114.3347-2-07-						0-L14674-10/29/75-14-			8-	4.1-C-			5.5-	31-	9-3-6-4-6-2-2-1-2-1-4-3-2-	-1-																		1.26	
30-46.6808-114.3556-2-07-						0-L14675-10/29/75-14-			5-	2.8-C-			5.2-	20-	7-3-6-4-6-3-2-1-2-1-3-5-2-	-1-																		0.84	
30-46.7442-114.3431-2-07-						0-L14678-11/01/75-10-			8-	4.1-C-			5.7-	37-	9-2-7-5-6-3-2-2-2-1-4-3-4-	-1-																		0.93	
30-46.7453-114.3508-2-07-						0-L14679-11/01/75-11-			8-	4.2-C-			5.6-	28-	6-2-6-4-6-2-2-2-2-1-4-2-4-	-1-																		0.93	
30-46.7450-114.3531-2-07-						0-L14680-11/01/75-11-			7-	4.2-C-			5.2-	25-	7-2-7-4-6-3-2-2-2-1-5-4-4-	-1-																		0.13	
30-46.7539-114.2472-2-07-						0-L14682-11/01/76-14-			9-	5.9-C-			6.3-	95-	9-2-7-5-8-2-2-1-2-4-5-2-2-	-3-																		0.85	
30-46.7494-114.2250-2-07-						0-L14683-11/02/76-11-			7-	2.9-C-			5.2-	31-	15-3-6-4-6-3-2-1-2-1-4-4-3-	-1-																		0.27	
30-46.0019-114.0411-2-07-						0-L14685-11/24/75-15-			8-	2.9-C-			6.9-	241-	19-3-6-5-6-2-2-1-2-3-5-4-2-	-9-																		0.58	
30-46.0017-114.0533-2-07-						0-L14686-11/24/76-16-			7-	3.9-C-			6.6-	385-	15-2-6-4-6-2-2-1-2-3-5-4-2-	-9-																		0.32	
30-46.0175-114.0178-2-07-						0-L14687-11/24/75-16-			3-	0.9-C-			6.3-	121-	15-3-6-4-6-3-2-1-2-1-5-5-2-	-1-																		0.53	
30-46.0117-114.0236-2-07-						0-L14688-11/24/76-17-			3-	1.2-C-			6.3-	171-	19-3-6-4-6-3-2-1-2-3-5-4-2-	-1-																		0.32	
30-46.0042-114.0272-2-07-						0-L14689-11/24/76-17-			1-	1.1-C-			6.5-	155-	15-3-6-4-6-3-2-1-2-3-5-5-3-	-1-																		1.51	
30-46.1122-114.0081-2-07-						0-L14690-11/25/76-9-			1-	2.1-C-			6.1-	100-	21-2-6-4-6-3-2-1-2-1-4-3-2-	-9-																		1.87	
30-46.1053-114.0039-2-06-						0-L14692-11/25/75-10-			1-	4.5-C-			7.1-	650-	26-2-7-4-6-3-3-1-2-3-3-5-5-	-1-																		0.57	
30-46.1058-114.0054-2-07-						0-L14693-11/25/75-10-			1-	8.2-C-			6.3-	170-	26-2-7-4-7-3-2-1-2-3-3-5-5-	-1-																		0.51	
30-46.1100-114.0028-2-07-						0-L14694-11/25/76-11-			1-	0.5-C-			6.3-	51-	15-2-6-4-6-3-2-1-2-2-4-3-2-	-1-																		0.20	
30-46.1131-114.0117-2-07-						0-L14695-11/25/76-11-			1-	3.2-C-			6.0-	87-	14-2-6-5-6-2-2-1-2-3-5-5-5-	-1-																		0.06	
30-46.1175-114.0153-2-07-						0-L14696-11/25/76-12-			1-	3.1-C-			5.8-	90-	19-2-6-5-6-2-2-1-2-3-5-5-5-	-1-																		0.38	
30-46.1214-114.0172-2-07-						0-L14697-11/25/76-12-			1-	3.2-C-			6.4-	215-	19-2-6-3-6-2-2-1-2-3-3-5-5-	-1-																		4.08	
30-46.1233-114.0228-2-07-						0-L14698-11/25/75-12-			1-	1.5-C-			6.3-	135-	22-2-6-4-6-2-2-1-2-3-5-5-5-	-1-																		0.92	
30-46.0217-114.0142-2-07-						0-L14699-11/30/76-11-			-1-	0.5-C-			5.4-	99-	10-2-6-3-6-2-2-1-2-3-4-3-2-	-1-																		0.38	
30-46.0317-114.0136-2-07-						0-L14700-11/30/76-12-			-1-	0.5-C-			6.1-	130-	17-3-6-3-6-2-2-1-2-1-5-3-2-	-1-																		1.09	
30-46.0350-114.0075-2-07-						0-L14701-11/30/76-12-			-2-	1.1-C-			6.3-	122-	17-2-6-5-6-2-2-1-2-3-3-4-2-	-9-																		0.03	
30-46.0381-114.0092-2-07-						0-L14702-11/30/76-13-			1-	0.3-C-			6.5-	119-	12-3-6-4-6-2-2-1-2-3-5-4-3-	-1-																		0.20	
30-46.0408-114.0097-2-07-						0-L14703-11/30/76-13-			1-	0.5-C-			6.4-	122-	15-3-6-4-6-2-2-1-2-1-4-4-2-	-9-																		0.20	
30-46.0428-114.0111-2-07-						0-L14704-11/30/76-14-			1-	0.5-C-			6.6-	109-	21-3-6-4-6-2-2-1-2-1-5-4-3-	-9-																		0.01	
30-46.0525-114.0153-2-07-						0-L14705-11/30/76-14-			1-	0.4-C-			6.3-	91-	14-3-7-4-6-2-2-1-2-1-5-4-3-	-1-																		0.15	
30-46.0547-114.0197-2-07-						0-L14706-11/30/76-14-				0.5-C-			6.4-	99-	12-3-6-4-6-2-2-1-2-3-4-4-2-	-1-																		0.28	
30-46.0525-114.0297-2-07-						0-L14707-11/30/76-15-			1-	1.2-C-			6.6-	160-	15-3-6-4-6-2-2-1-2-3-5-3-3-	-1-																		0.92	
30-46.0461-114.0150-2-06-						0-L14708-11/30/76-15-			2-	5.2-C-			6.7-	189-	12-3-6-4-6-2-2-1-2-1-3-5-2-	-1-																		0.90	
30-46.0247-114.1419-2-07-						0-L14711-12/01/75-11-			-3-	2.1-C-			6.9-	430-	21-3-6-4-6-2-2-1-2-1-5-4-1-	-1-																		4.42	
30-46.0358-114.1244-2-07-						0-L14712-12/01/76-12-			-4-	0.2-C-			7.2-	418-	14-3-7-5-8-2-2-1-2-3-3-4-1-	-3-																		2.98	
30-46.0369-114.1125-2-07-						0-L14714-12/01/75-13-			-4-	0.3-C-			7.2-	422-	21-2-7-5-8-2-2-1-2-1-3-4-1-	-1-																		1.49	
30-46.0453-114.0958-2-07-						0-L14716-12/01/76-14-			-4-	0.5-C-			6.6-	310-	21-2-7-5-8-2-2-1-2-2-5-4-1-	-1-																		0.54	
30-46.1442-114.1158-2-06-						0-L14728-11/24/76-14-			15-	6.0-C-			6.7-	319-	3-2-7-4-7-2-2-1-1-2-3-2-	-3-																		14.80*	
30-46.1436-114.0783-2-07-						0-L14734-11/26/76-14-			9-	0.8-C-			6.6-	346-	2-2-6-4-6-2-2-1-2-3-3-4-2-	-3-																		4.62	
30-46.1419-114.0747-2-07-						0-L14735-11/26/76-15-			9-	1.0-C-			6.8-	405-	6-2-6-5-6-2-2-1-2-3-3-3-3-	-3-																		6.74	
30-46.1300-114.0475-2-07-						0-L14740-11/26/76-16-			2-	0.5-C-			5.9-	172-	3-2-6-4-6-2-2-1-2-1-3-5-2-	-1-																		2.31	
30-46.1256-114.0317-2-07-						0-L14742-11/26/76-17-			1-	0.5-C-			5.7-	90-	4-2-6-4-6-2-2-1-2-1-4-3-2-	-1-																		0.61	
30-46.1817-114.1083-2-07-						0-L14748-12/02/75-15-			6-	1.0-C-			5.8-	410-	9-2-6-4-6-2-2-1-2-4-4-2-2-	-3-																		44.90*	
30-46.1839-114.1250-2-10-						0-L14749-12/02/75-16-			5-	1.0-C-			6.3-	282-	4-2-6-4-6-1-3-1-1-4-4-2-3-	-3-																		1.32	
30-46.1775-114.0494-2-07-						0-L14752-12/02/76-17-			1-	1.8-C-			6.5-	295-	6-2-1-5-6-2-2-1-2-3-3-3-3-	-3-																		23.20*	
30-46.1711-114.0347-2-07-						0-L14756-12/04/75-12-			5-	4.1-C-			6.5-	447-	5-3-1-4-7-2-2-1-2-3-3-3-2-	-3-																			

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																							U CONCENTRATION						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmho/cm)	SCINTILLOMETER (eU µpm)	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																											
30-46.1011-114.0957-2-07-						0-L14773-12/03/76-15-	12/03/76	15-	1-	0.5-C-	-	5.4-	250-	17-2-5-5-8-2-2-1-2-2-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.76	
30-46.0933-114.0878-2-07-						0-L14778-12/07/76-11-	12/07/76	11-	2-	0.2-C-	-	5.4-	169-	19-2-7-5-8-2-2-1-2-2-5-3-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.17	
30-46.1050-114.0803-2-06-						0-L14781-12/07/76-12-	12/07/76	12-	4-	0.9-C-	-	5.6-	310-	21-2-6-5-8-2-2-1-2-3-4-5-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.26	
30-46.1044-114.0772-2-07-						0-L14782-12/07/76-13-	12/07/76	13-	4-	0.1-C-	-	5.6-	332-	12-2-6-5-8-2-2-1-2-1-3-4-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.61	

APPENDIX C

LISTINGS OF FIELD AND URANIUM DATA 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 NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE 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																										
30-46	4947-114	1408-2-15				0-L14001	10/26/76	9	13	-C-					14-3-1-4-6	-1	-2-4-3-2-1	-3															11.40	
30-46	7139-114	1533-2-15				0-L14002	11/02/76	12	5	-C-					7-2-1-5-6		-2-1-3-5-3	-1															50.50	
30-46	7167-114	1694-2-12				0-L14003	11/02/76	13	6	1.8-C-	5.2		34	6-2-6-3-6-4-2	1	-2-3-5-4-2	-9																18.30	
30-46	7142-114	1650-2-12				0-L14004	11/02/76	13	6	3.2-C-	5.4		58	7-2-6-5-8-2-2	1	-2-1-5-4-3	-1																27.00	
30-46	7203-114	1622-2-15				0-L14005	11/02/76	14	8	-C-				6-2-6-7-6		-2-1-3-3-3	-1																3.10	
30-46	7211-114	1661-2-15				0-L14006	11/02/76	15	7	-C-				10-2-1-7-6		-2-1-3-5-3	-1																2.90	
30-46	7214-114	1733-2-15				0-L14007	11/02/76	15	8	-C-				8-2-1-7-1		-2-1-2-3-3	-1																3.30	
30-46	6444-114	0100-2-12				0-L14008	11/03/76	9	8	5.1-C-	6.6		180	5-3-6-4-6-2	2	-2-4-4-1-1	-3																4.80	
30-46	6253-114	0336-2-15				0-L14009	11/03/76	10	8	-C-				6-3-6-7-6		-2-2-3-1-1	-3																5.40	
30-46	6356-114	0164-2-15				0-L14010	11/03/76	10	11	-C-				6-3-6-4-6		-2-4-4-1-1	-3																7.60	
30-46	6503-114	0333-2-15				0-L14011	11/03/76	11	10	-C-				6-3-6-7-6		-2-4-4-2-1	-1																3.20	
30-46	6658-114	0250-2-15				0-L14012	11/03/76	11	10	-C-				9-3-6-4-6		-2-3-3-2-1	-3																4.70	
30-46	6664-114	0247-2-12				0-L14013	11/03/76	12	11	6.1-C-	7.1		470	10-3-6-4-6-2	2	-2-3-3-2-1	-3																4.00	
30-46	6772-114	0294-2-15				0-L14014	11/03/76	12	11	-C-				8-2-6-7-6		-2-4-3-2-1	-3																3.00	
30-46	6983-114	0356-2-15				0-L14015	11/03/76	12	11	-C-				9-2-7-7-6		-2-4-3-3-1	-3																4.60	
30-46	7019-114	0331-2-15				0-L14016	11/03/76	13	15	-C-				11-2-7-7-6		-2-4-3-3-1	-3																4.50	
30-46	7214-114	0847-2-12				0-L14017	11/03/76	14	15	6.3-C-	6.6		340	9-3-6-4-6-2	2	-2-1-3-3-1	-3																3.10	
30-46	6744-114	0878-2-12				0-L14018	11/03/76	14	12	7.1-C-	5.5		52	7-3-6-4-6-2	2	-2-2-4-2-1	-3																14.90	
30-46	7333-114	0806-2-15				0-L14019	11/03/76	15	12	-C-				7-3-6-7-6		-1-6-5-2-1	-3																3.60	
30-46	6997-114	1131-2-12				0-L14020	11/04/76	9	5	4.9-C-	5.9		90	5-3-6-4-6-2	2	-2-2-4-3-6	-1																18.90	
30-46	6922-114	0925-2-15				0-L14021	11/04/76	10	7	-C-				7-3-6-4-8		-2-4-4-3-2	-3																3.60	
30-46	6847-114	0922-2-15				0-L14022	11/04/76	11	7	-C-				7-3-6-4-6		-2-3-4-2-2	-3																3.90	
30-46	6783-114	0928-2-15				0-L14023	11/04/76	11	9	-C-				7-3-6-4-6		-2-6-4-2-2	-3																12.20	
30-46	6719-114	1064-2-15				0-L14024	11/04/76	12	11	4.3-C-	6.6		210	11-3-6-4-6		-1-2-2-3-3-2	-3																13.80	
30-46	6575-114	0883-2-15				0-L14025	11/04/76	13	11	-C-				8-3-6-4-6		-2-4-5-2-2	-3																5.90	
30-46	6431-114	0825-2-12				0-L14026	11/04/76	13	10	6.9-C-	6.0		46	12-3-6-4-6-2	2	-2-2-3-2-2	-3																14.50	
30-46	6350-114	1017-2-12				0-L14027	11/04/76	14	10	5.5-C-	5.5		33	11-3-6-4-6-2	2	-2-2-4-2-2	-3																12.00	
30-46	6344-114	1022-2-12				0-L14028	11/04/76	14	10	5.5-C-	6.3		82	11-3-6-4-6-2	2	-2-2-5-2-2	-1																19.80	
30-46	7225-114	0428-2-15				0-L14029	11/04/76	14	9	-C-				8-2-6-4-6		-2-4-3-3-1	-3																3.70	
30-46	7197-114	0406-2-12				0-L14030	11/04/76	15	11	7.9-C-	6.6		285	6-2-7-6-8-2	2	-2-4-3-3-1	-3																6.40	
30-46	7131-114	0372-2-15				0-L14031	11/04/76	15	14	-C-				13-2-6-7-6		-2-4-3-4-1	-3																4.70	
30-46	7378-114	0128-2-12				0-L14032	11/04/76	16	12	3.9-C-	6.5		159	9-2-7-5-8-2	2	-2-3-3-2-1	-3																9.00	
30-46	7344-114	0206-2-15				0-L14033	11/04/76	16	11	-C-				8-2-6-7-6		-2-3-3-4-1	-1																2.70	
30-46	8744-114	6889-2-15				0-L14034	11/05/76	11	5	-C-				10-2-6-4-6		-2-3-4-2-3	-9																6.40	
30-46	8619-114	6911-2-15				0-L14035	11/05/76	12	6	-C-				8-2-7-7-7		-2-1-3-5-3	-1																3.20	
30-46	8486-114	6792-2-15				0-L14036	11/05/76	12	7	-C-				9-2-6-7-6		-1-1-4-2-2	-1																3.20	
30-46	8556-114	6617-2-15				0-L14037	11/05/76	13	6	-C-				6-2-7-3-7		-2-1-4-3-2	-1																7.20	
30-46	8617-114	6572-2-12				0-L14038	11/05/76	14	8	4.6-C-	6.3		142	7-2-7-4-7-3	2	-2-3-5-2-2	-1																12.80	
30-46	8533-114	6828-2-15				0-L14039	11/05/76	14	10	-C-				10-2-6-7-6		-1-1-3-3-1	-1																2.50	
30-46	8378-114	6750-2-15				0-L14040	11/05/76	14	10	-C-				10-2-6-7-6		-1-1-4-1-2	-9																2.50	
30-46	8264-114	6617-2-15				0-L14041	11/05/76	15	12	-C-				7-2-6-4-6		-2-3-5-3-1	-1																6.40	
30-46	8214-114	6561-2-15				0-L14042	11/05/76	15	14	-C-				7-2-6-5-8		-2-3-5-5-1	-1																2.60	
30-46	8211-114	6547-2-15				0-L14043	11/05/76	16	15	-C-				6-2-6-7-6		-2-3-5-5-1	-1																9.40	
30-46	7508-114	5153-2-15				0-L14044	11/01/76	15	10	4.7-C-	5.6		85	5-2-7-6-6-1	2	-1-4-4-3	-1																12.20	
30-46	7514-114	5094-2-12				0-L14045	11/01/76	15	9	4.1-C-	6.4		309	3-2-6-4-6-2	2	-2-1-3-4-2	-3																3.30	
30-46	7583-114	5081-2-12				0-L14046	11/01/76	16	9	4.2-C-	6.5		241	3-2-7-5-6-2	2	-2-1-4-4-2	-3																3.60	
30-46	7531-114	5058-2-12				0-L14047	11/01/76	17	8	5.1-C-	5.9		106	5-2-7-6-6-2	2	-2-1-4-4-2	-3																	

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																								U CONCENTRATION				
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE 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																										
30-46	9028	-114.2808	-2-15-	0-L14052	11/02/76	14-	10-	-	-C-	-	-	-	-	-	11-2-7-5-6-	-1-	-1-1-4-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
30-46	9100	-114.2833	-2-12-	0-L14053	11/02/76	14-	9-	5.6	-C-	-	5.8	-	110-	-	7-2-7-3-4-	-2-2-1-2-1-4-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.90
30-46	9214	-114.2789	-2-11-	0-L14054	11/02/76	14-	10-	-	-C-	-	-	-	-	-	7-2-7-3-6-	-1-	-2-1-5-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50
30-46	9317	-114.2822	-2-15-	0-L14055	11/02/76	15-	11-	-	-C-	-	-	-	-	-	7-2-7-3-6-	-1-	-2-1-4-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80
30-46	9314	-114.2833	-2-15-	0-L14056	11/02/76	16-	11-	-	-C-	-	-	-	-	-	9-2-7-5-6-	-1-	-2-1-4-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40
30-46	9250	-114.2842	-2-15-	0-L14057	11/02/76	17-	10-	-	-C-	-	-	-	-	-	8-2-7-3-6-	-1-	-2-1-3-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70
30-46	8844	-114.2967	-2-12-	0-L14058	11/03/76	11-	9-	5.2	-C-	-	6.3	-	191-	-	7-2-7-3-6-	-2-2-1-2-1-4-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.60
30-46	9403	-114.3175	-2-12-	0-L14059	11/03/76	13-	11-	6.0	-C-	-	5.8	-	123-	-	6-2-4-6-6-	-2-2-1-2-1-4-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.40
30-46	9406	-114.3181	-2-12-	0-L14060	11/03/76	13-	11-	5.4	-C-	-	6.1	-	148-	-	7-2-4-3-6-	-2-2-1-2-1-4-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.50
30-46	9414	-114.3161	-2-12-	0-L14061	11/03/76	12-	11-	5.9	-C-	-	6.4	-	152-	-	8-2-4-4-6-	-2-2-1-2-1-4-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.50
30-46	9411	-114.3078	-2-15-	0-L14062	11/03/76	14-	10-	-	-C-	-	-	-	-	-	11-2-4-5-6-	-1-	-2-1-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30
30-46	9433	-114.3017	-2-15-	0-L14063	11/03/76	15-	9-	-	-C-	-	-	-	-	-	5-2-4-3-4-	-1-	-2-1-4-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60
30-46	9625	-114.3000	-2-15-	0-L14064	11/03/76	15-	9-	-	-C-	-	-	-	-	-	3-2-7-3-6-	-1-	-2-1-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.60
30-46	9606	-114.2642	-2-15-	0-L14065	11/03/76	16-	9-	-	-C-	-	-	-	-	-	5-2-7-3-6-	-1-	-2-1-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70
30-46	9789	-114.2817	-2-15-	0-L14066	11/04/76	11-	10-	-	-C-	-	-	-	-	-	6-2-7-5-6-	-1-	-2-1-4-4-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20
30-46	9800	-114.2950	-2-15-	0-L14067	11/04/76	11-	10-	-	-C-	-	-	-	-	-	8-2-7-3-6-	-1-	-2-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.90
30-46	9739	-114.3100	-2-15-	0-L14068	11/04/76	12-	9-	-	-C-	-	-	-	-	-	4-2-7-2-6-	-1-	-2-1-4-4-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.60
30-46	9714	-114.3172	-2-15-	0-L14069	11/04/76	12-	9-	-	-C-	-	-	-	-	-	7-2-7-3-6-	-1-	-2-1-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60
30-46	9711	-114.3233	-2-15-	0-L14070	11/04/76	12-	10-	-	-C-	-	-	-	-	-	9-2-7-2-6-	-1-	-2-1-3-5-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50
30-46	9625	-114.3394	-2-15-	0-L14071	11/04/76	12-	10-	-	-C-	-	-	-	-	-	4-2-7-3-6-	-1-	-2-1-4-4-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50
30-46	9606	-114.3514	-2-15-	0-L14072	11/04/76	13-	10-	-	-C-	-	-	-	-	-	7-2-4-3-4-	-1-	-2-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00
30-46	9592	-114.3483	-2-12-	0-L14073	11/04/76	13-	10-	4.5	-C-	-	5.7	-	84-	-	4-2-4-3-4-	-2-2-1-2-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.00
30-47	2431	-115.0097	-2-15-	0-L14074	11/18/76	15-	12-	-	-C-	-	-	-	-	-	4-2-7-4-6-	-1-	-2-1-3-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.30
30-46	9614	-114.3381	-2-15-	0-L14075	11/18/76	16-	10-	-	-C-	-	-	-	-	-	3-2-4-3-6-	-1-	-2-1-3-5-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.00
30-46	6367	-114.5817	-2-12-	0-L14076	10/19/76	13-	11-	0.9	-	-	5.2	-	170-	-	10-3-1-2-1-3-3-1-	-2-1-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.00
30-46	6456	-114.5800	-2-12-	0-L14077	10/19/76	13-	7-	0.5	-	-	5.5	-	230-	-	13-3-1-3-1-3-3-1-	-2-1-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.70
30-46	6494	-114.5783	-2-12-	0-L14078	10/19/76	14-	10-	0.5	-	-	5.5	-	390-	-	10-3-1-4-1-3-3-1-	-3-1-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26.00
30-46	6581	-114.5825	-2-11-	0-L14079	10/19/76	15-	15-	1.2	-C-	-	5.3	-	170-	-	13-3-1-3-1-3-3-1-	-3-1-2-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90
30-46	6769	-114.6172	-2-11-	0-L14081	10/20/76	9-	9-	2	0.6	-C-	5.2	-	155-	-	15-3-1-3-1-2-2-1-	-3-1-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.40
30-46	6961	-114.6047	-2-12-	0-L14082	10/20/76	9-	9-	1.0	-C-	-	5.2	-	175-	-	15-3-1-7-6-2-	-2-1-3-1-3-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10
30-46	6989	-114.6044	-2-12-	0-L14083	10/20/76	10-	2-	1.8	-C-	-	5.3	-	187-	-	13-3-1-3-1-2-2-1-	-3-1-3-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.30
30-46	7006	-114.6028	-2-12-	0-L14084	10/20/76	11-	9-	2.0	-C-	-	5.2	-	205-	-	6-3-1-3-1-2-2-1-	-3-1-3-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.50
30-46	7094	-114.5944	-2-12-	0-L14086	10/20/76	12-	6-	2.3	-C-	-	5.3	-	255-	-	15-3-1-4-1-2-2-1-	-3-1-3-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.30
30-46	7078	-114.5911	-2-12-	0-L14087	10/20/76	13-	8-	4.5	-C-	-	5.5	-	395-	-	10-3-1-4-1-2-2-1-	-3-1-3-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.90
30-46	7372	-114.5981	-2-12-	0-L14091	10/20/76	15-	17-	2.5	-C-	-	5.6	-	422-	-	10-2-5-3-1-2-2-1-	-3-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00
30-46	7364	-114.5906	-2-12-	0-L14092	10/20/76	16-	12-	1.8	-C-	-	5.5	-	235-	-	6-2-5-3-1-3-3-1-	-3-1-4-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.20
30-46	7392	-114.5831	-2-12-	0-L14093	10/21/76	9-	1-	0.6	-	-	5.5	-	345-	-	5-2-5-3-1-2-2-1-	-3-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40
30-46	7347	-114.5956	-2-12-	0-L14094	10/21/76	10-	1-	0.1	-C-	-	5.5	-	275-	-	9-3-4-4-4-	-2-3-1-3-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.30
30-46	7392	-114.5667	-2-12-	0-L14095	10/21/76	10-	1-	0.5	-	-	5.5	-	480-	-	10-3-4-2-9-	-2-3-1-3-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10
30-46	7389	-114.5667	-2-12-	0-L14096	10/21/76	10-	1-	0.8	-C-	-	5.6	-	525-	-	10-3-4-2-9-	-2-3-1-3-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20
30-46	7308	-114.5400	-2-12-	0-L14097	10/21/76	11-	3-	0.9	-C-	-	5.6	-	525-	-	4-3-4-4-1-	-3-3-1-3-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.30
30-46	7153	-114.5383	-2-12-	0-L14098	10/21/76	1																												

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
30-46,7061-114,5189-2-12-	0-L14108-10/21/76-15-	16-	0.5-C-	-	6.5-	215-	7-3-7-7-7-2-3-1-3-4-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50		
30-46,7397-114,5356-2-12-	0-L14109-10/21/76-16-	14-	3.0-	-	5.7-	70-	8-1-5-4-6-2-3-1-3-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
30-46,7511-114,5819-2-12-	0-L14110-10/26/76-9-	2-	2.8-	-	5.3-	283-	15-2-5-3-6-2-3-1-3-1-2-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.90	
30-46,7628-114,5683-2-15-	0-L14111-10/26/76-10-	3-	3.1-C-	-	5.2-	250-	4-1-1-7-6-1-2-2-2-1-2-5-3-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.30	
30-46,7650-114,5711-2-15-	0-L14112-10/26/76-10-	3-	-C-	-	-	-	16-1-6-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10
30-46,7708-114,5794-2-12-	0-L14113-10/26/76-10-	4-	5.4-C-	-	6.0-	1375-	8-1-6-6-6-2-2-1-1-1-2-5-3-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.70	
30-46,7850-114,5917-2-12-	0-L14114-10/26/76-11-	7-	3.8-C-	-	6.3-	1540-	4-1-6-3-9-3-3-1-1-1-3-5-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.70	
30-46,8014-114,6000-2-12-	0-L14115-10/26/76-12-	7-	4.1-C-	-	6.0-	1275-	8-1-6-2-6-3-3-1-1-3-3-5-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.50	
30-46,8094-114,6267-2-12-	0-L14116-10/26/76-12-	7-	5.4-C-	-	6.0-	1325-	10-1-1-3-1-3-3-1-1-4-3-5-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.10	
30-46,8103-114,6294-2-12-	0-L14117-10/26/76-12-	9-	4.5-C-	-	6.3-	2275-	9-1-1-3-6-3-3-1-1-1-2-5-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60	
30-46,8469-114,6433-2-12-	0-L14118-10/26/76-13-	9-	6.1-C-	-	6.5-	2125-	12-1-7-7-7-2-2-1-2-1-3-5-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
30-46,8467-114,6422-2-15-	0-L14119-10/26/76-14-	9-	-C-	-	-	-	12-1-7-7-2-2-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60
30-46,8356-114,6450-2-15-	0-L14120-10/26/76-14-	8-	-C-	-	-	-	13-1-7-3-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70
30-46,4900-114,1503-2-15-	0-L14121-10/26/76-9-	12-	-C-	-	-	-	13-3-1-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.30
30-46,8303-114,6419-2-12-	0-L14122-10/26/76-14-	9-	4.6-	-	6.3-	1125-	9-1-7-6-6-2-2-1-1-1-3-5-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.60	
30-46,8328-114,6694-2-15-	0-L14123-10/26/76-15-	9-	-	-	-	-	7-1-7-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20
30-46,8439-114,7114-2-12-	0-L14124-10/26/76-15-	9-	5.6-	-	6.5-	3800-	4-1-4-6-6-2-2-1-1-1-3-5-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60	
30-46,8431-114,7056-2-12-	0-L14125-10/26/76-16-	9-	4.6-	-	6.3-	1500-	10-1-4-3-6-3-3-1-1-1-3-5-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
30-46,8442-114,7061-2-12-	0-L14126-10/26/76-16-	9-	4.9-C-	-	6.3-	2375-	9-1-4-3-6-3-3-1-1-1-3-5-2-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
30-46,8447-114,6986-2-12-	0-L14127-10/26/76-16-	9-	5.5-C-	-	6.3-	1500-	7-1-4-6-6-2-3-1-1-1-3-5-3-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.10	
30-46,7528-114,5547-2-12-	0-L14128-10/27/76-10-	-	2.8-	-	5.7-	650-	10-1-7-5-6-2-2-1-1-1-2-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40	
30-46,7797-114,6025-2-12-	0-L14129-10/27/76-11-	2-	2.0-C-	-	5.5-	392-	4-1-1-3-6-3-3-1-3-1-3-5-1-	-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.60	
30-46,7806-114,5911-2-12-	0-L14130-10/27/76-11-	2-	2.1-C-	-	6.0-	1000-	5-1-1-3-6-2-3-1-3-1-2-5-1-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.20	
30-46,9694-114,8022-2-12-	0-L14131-10/28/76-10-	1-	4.0-C-	-	6.4-	2175-	0-1-4-3-6-3-3-1-3-1-3-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
30-46,9639-114,7778-2-12-	0-L14132-10/28/76-11-	3-	3.0-C-	-	6.5-	2900-	5-1-6-3-6-3-3-1-3-1-3-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
30-46,9717-114,7611-2-12-	0-L14133-10/28/76-11-	3-	3.5-C-	-	6.5-	3500-	6-1-6-3-6-3-3-1-3-1-3-5-1-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.40	
30-46,9061-114,8050-2-12-	0-L14134-10/28/76-14-	10-	6.0-C-	-	6.3-	1500-	8-1-1-2-1-4-3-1-3-1-3-5-1-	-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10	
30-46,9175-114,7817-2-12-	0-L14135-10/28/76-14-	11-	5.1-C-	-	6.5-	2900-	5-1-1-7-6-2-2-1-3-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.10	
30-46,9289-114,7622-2-15-	0-L14136-10/28/76-14-	15-	-C-	-	-	-	7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.90
30-46,9289-114,7500-2-15-	0-L14137-10/28/76-14-	15-	-C-	-	-	-	7-1-7-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.70
30-46,9258-114,7564-2-12-	0-L14138-11/01/76-9-	8-	0.5-C-	-	5.2-	625-	5-2-1-5-6-3-3-1-1-1-3-4-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
30-46,9881-114,9950-2-12-	0-L14139-11/01/76-10-	3-	3.0-	-	5.6-	640-	8-1-7-4-6-3-3-1-1-1-3-5-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30	
30-46,9819-114,9761-2-12-	0-L14140-11/01/76-10-	4-	3.5-C-	-	5.7-	975-	6-1-7-3-6-3-3-1-1-1-3-5-4-	-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
30-46,9811-114,9792-2-12-	0-L14141-11/01/76-10-	4-	4.0-	-	5.7-	700-	6-1-7-3-6-3-3-1-3-1-3-5-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.60	
30-46,7667-114,2547-2-15-	0-L14142-10/29/76-11-	11-	-C-	-	-	-	6-2-1-7-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50
30-46,7683-114,2583-2-15-	0-L14143-10/29/76-11-	11-	-C-	-	-	-	6-2-7-7-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
30-46,7758-114,2636-2-15-	0-L14144-10/29/76-12-	11-	-C-	-	-	-	3-2-6-7-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70
30-46,7822-114,2650-2-15-	0-L14145-10/29/76-12-	11-	-C-	-	-	-	9-2-1-7-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60
30-46,7858-114,2639-2-12-	0-L14146-10/19/76-12-	6-	6.2-C-	-	6.6-	330-	9-1-7-4-6-2-2-1-2-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80	
30-46,7856-114,2619-2-12-	0-L14147-10/19/76-12-	6-	5.4-C-	-	6.5-	400-	3-1-7-4-6-2-2-1-2-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
30-46,7606-114,2678-2-12-	0-L14148-10/19/76-14-	11-	-C-	-	5.2-	25-	5-2-1-4-7-3-2-1-2-3-2-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.70	
30-46,7625-114,2947-2-15-	0-L14149-10/29/76-12-	12-	-C-	-	-	-	5-2-7-7-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.60
30-46,7667-114,2986-2-15-	0-L14150-10/29/76-13-	11-	-C-	-	-	-	7-2-6-6-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30
30-46,7789-114,2986-2-15-	0-L14151-10/29/76-13-	11-	-C-	-	-	-	6-2-7-7-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50
30-46,7797-114,2992-2-12-	0-L14152-10/19/76-15-	9-	0.5-C-	-	6.0-	300-	6-2-7-4-6-2-2-1-2-3-4-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
30-46,7583-114,3094-2-12-	0-L14153-10/19/76-16-	10-	-C-	-	6.9-	330-	9-2-1-4-6-2-2-1-2-1-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
30-46,8019-114,3139-2-12-	0-L14154-10/22/76-15-	4-	1.0-	-	6.4-	177-	14-1-4-3-4-3-2-1-2-3-4-5-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00	
30-46,7669-114,																																		

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DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (cpm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
30-46.7717-114.3542-2-11-						0-L14159-10/21/76-11-			4-		-C-		6.9-	520-		11-2-1-4-6-1-2-1-3-3-4-1-1-		1-															6.20	
30-46.4389-114.0386-2-12-						0-L14160-11/16/76-10-			11-	2.2-C-			6.6-	670-		11-1-1-4-6-3-2-1-1-4-4-3-3-		3-															3.90	
30-46.4417-114.0392-2-12-						0-L14161-11/16/76-10-			11-	4.6-C-			6.5-	520-		9-4--4-6-3-2-1-3-4-4-3-3-		3-															2.50	
30-46.3931-114.0581-2-12-						0-L14162-11/16/76-11-			12-	5.1--			6.4-	570-		7-4--6-6-2-2-1-3-4-2-2-3-		1-															3.80	
30-46.3944-114.0550-2-12-						0-L14163-11/16/76-12-			12-	7.2--			6.6-	510-		7-4--4-6-3-2-1-2-4-4-3-4-		1-															2.70	
30-46.3994-114.0436-2-15-						0-L14164-11/16/76-13-			13-	--C-			--	--		9-4--4-6--3-3-4-3-		1-															3.50	
30-46.4094-114.0417-2-12-						0-L14165-11/16/76-13-			13-	2.0--			6.7-	690-		9-1-7-6-8-2-2-1-2-3-3-3-4-		1-															2.80	
30-46.4758-114.0294-2-12-						0-L14166-11/16/76-14-			13-	5.0--			6.0-	270-		4-4--6-6-2-2-1-3-4-4-3-4-		1-															3.10	
30-46.4564-114.0000-2-12-						0-L14167-11/16/76-14-			12-	3.4--			6.6-	580-		7-4--4-6-2-2-1-2-4-4-3-3-		1-															2.80	
30-46.4556-114.0003-2-12-						0-L14168-11/16/76-15-			11-	5.2--			6.8-	610-		7-4--6-6-3-2-1-2-2-2-3-3-		1-															3.00	
30-46.4717-114.0694-2-12-						0-L14169-11/16/76-16-			12-	7.0--			7.0-	690-		18-4--4-6-2-2-1-2-1-2-2-3-		1-															3.30	
30-46.4750-114.0706-2-15-						0-L14170-11/16/76-17-			13-	--C-			--	--		4-4--3-6--1-3-3-3-		1-															5.60	
30-46.4883-114.0336-2-12-						0-L14171-11/18/76-9-			7-	6.1--			6.4-	269-		14-4--4-8-3-2-1-2-4-4-2-2-		1-															3.80	
30-46.3739-114.0386-2-12-						0-L14172-11/18/76-10-			8-	5.0--			6.8-	500-		14-4--4-6-3-2-1-2-4-3-3-2-		1-															2.00	
30-46.3139-114.0592-2-12-						0-L14173-11/18/76-11-			14-	9.3--			6.7-	398-		11-4--4																		

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

DOE SAMPLE NUMBER						LAST SAMPLE NUMBER AND FIELD DATA																								U CONCENTRATION					
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LAST SAMPLE 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																											
30-46.5594-114.1281-2-12-						0-L14210-11/21/76-13-			5-	0.8-C-			5.2-	14-		9-3-1-4-6-3-3-1-3-4-2-2-1-	-3-																4.00		
30-46.0133-114.1058-2-15-						0-L14211-11/24/76-13-			4-	-C-						12-3-7-7-8-	-1-																	2.10	
30-46.0064-114.1119-2-15-						0-L14212-11/24/76-13-			7-	-C-						15-3-6-4-6-	-1-																	2.30	
30-46.0061-114.1122-2-12-						0-L14213-11/24/76-14-			7-	5.5-C-			7.0-	407-		15-3-6-4-6-2-2-1-2-3-4-4-2-	-3-																5.90		
30-46.0042-114.1144-2-11-						0-L14214-11/24/76-14-			4-	1.2-C-			6.6-	290-		10-3-6-5-8-2-2-1-2-1-3-4-3-	-1-																28.10		
30-46.0014-114.1217-2-12-						0-L14215-11/24/76-15-			5-	4.1-C-			6.9-	325-		19-3-6-4-6-2-2-1-2-3-3-4-3-	-3-																4.20		
30-46.0003-114.0936-2-12-						0-L14216-11/24/76-15-			14-	4.1-C-			6.6-	248-		12-2-7-4-7-2-2-1-2-4-4-2-3-	-9-																6.70		
30-46.0361-114.1567-2-15-						0-L14217-12/08/76-10-			5-	-C-						21-3-6-4-6-	-1-																	2.50	
30-46.0378-114.1522-2-15-						0-L14218-12/08/76-11-			5-	-C-						21-3-6-4-6-	-1-																	9.20	
30-46.0392-114.1519-2-12-						0-L14219-12/08/76-11-			5-	4.9-C-			6.6-	420-		19-3-6-4-6-2-2-1-2-2-2-3-3-	-3-																8.60		
30-46.0433-114.1658-2-15-						0-L14220-12/08/76-12-			5-	-C-						21-3-6-4-6-	-1-																	5.80	
30-46.0475-114.1647-2-15-						0-L14221-12/08/76-12-			6-	-C-						15-3-6-4-6-	-1-																	9.60	
30-46.0517-114.1628-2-15-						0-L14222-12/08/76-13-			6-	-C-						33-2-6-5-8-	-1-																	21.40	
30-46.0578-114.1031-2-12-						0-L14223-12/08/76-13-			3-	0.7-C-			6.4-	265-		33-2-6-5-8-3-2-1-2-3-5-4-2-	-1-																5.80		
30-46.0586-114.1031-2-15-						0-L14224-12/08/76-14-			3-	-C-						28-3-7-4-8-	-1-																	11.70	
30-46.0556-114.1153-2-15-						0-L14225-12/08/76-14-			3-	-C-						26-2-7-5-8-	-1-																	5.80	
30-46.0531-114.1200-2-12-						0-L14226-12/08/76-15-			4-	3.2-C-			6.9-	259-		17-3-6-4-6-2-2-1-2-1-5-5-2-	-1-																	7.90	
30-46.0636-114.1603-2-12-						0-L14227-12/08/76-15-			5-	4.1-C-			6.4-	160-		29-3-6-4-6-3-2-1-2-3-3-5-2-	-1-																	13.90	
30-46.0694-114.1397-2-12-						0-L14228-12/08/76-15-			5-	3.8-C-			6.6-	260-		19-3-6-4-6-2-2-1-2-3-5-4-2-	-1-																	14.50	
30-46.0728-114.1589-2-12-						0-L14229-12/08/76-16-			4-	4.1-C-			6.6-	219-		22-2-6-5-8-2-2-1-2-3-5-3-3-	-3-																	7.30	
30-46.0608-114.0172-2-12-						0-L14230-12/14/76-12-				1.1-C-			6.1-	93-		15-3-7-4-6-2-2-1-2-1-4-4-3-	-1-																	2.50	
30-46.0633-114.0833-2-15-						0-L14231-12/14/76-13-			1-	-C-						14-2-6-7-6-	-1-																	2.50	
30-46.0617-114.0792-2-15-						0-L14232-12/14/76-14-			1-	-C-						10-2-6-7-6-	-1-																	3.70	
30-46.0592-114.0739-2-15-						0-L14233-12/14/76-14-			1-	-C-						14-2-7-7-6-	-1-																	2.60	
30-46.0536-114.0536-2-15-						0-L14234-12/14/76-15-				-C-						10-2-6-7-6-	-1-																	2.60	
30-46.0506-114.0511-2-11-						0-L14235-12/14/76-15-			1-	2.1-C-			6.0-	115-		17-3-6-4-6-2-2-1-2-3-3-4-3-	-1-																	5.10	
30-46.0406-114.0536-2-11-						0-L14236-12/14/76-16-			1-	0.5-C-			6.3-	89-		17-3-6-4-6-2-2-1-2-3-3-5-3-	-1-																	3.40	
30-46.0036-114.3072-2-12-						0-L14237-10/22/76-15-			5-	1.7-			6.4-	260-		5-2-1-3-4-6-3-2-1-2-1-3-5-2-	-1-																	5.40	
30-46.7667-114.3403-2-11-						0-L14238-10/21/76-9-			6-	-C-			6.5-	390-		7-2-5-5-8-1-2-2-3-3-4-1-1-	-1-																	15.20	
30-46.3869-114.2283-2-15-						0-L14239-10/26/76-11-			12-	-C-						15-3-1-4-6-	-1-																	8.20	
30-46.2044-114.0092-2-15-						0-L14240-12/13/76-10-			1-	-C-						4-2-7-4-6-	-1-																	3.30	
30-46.2019-114.0117-2-12-						0-L14241-12/13/76-11-				0.6-C-			6.7-	255-		2-3-7-4-7-2-2-1-2-1-4-3-2-	-3-																	3.20	
30-46.2022-114.0181-2-15-						0-L14242-12/13/76-11-				-C-						7-3-7-4-7-	-1-																	4.00	
30-46.2011-114.0206-2-12-						0-L14243-12/13/76-12-			1-	0.5-C-			6.8-	331-		4-3-7-4-7-2-2-1-2-1-3-3-2-	-3-																	3.90	
30-46.2022-114.0228-2-15-						0-L14244-12/13/76-12-			3-	-C-						4-3-7-4-7-	-1-																		4.00
30-46.2011-114.0322-2-12-						0-L14245-12/13/76-12-			2-	1.0-C-			6.0-	286-		3-2-7-4-7-2-2-1-2-1-3-3-3-	-3-																	6.20	
30-46.2089-114.0431-2-12-						0-L14246-12/13/76-12-			4-	1.1-C-			6.9-	510-		5-3-7-4-7-2-2-1-2-1-3-3-2-	-3-																	3.40	
30-46.2022-114.0564-2-12-						0-L14247-12/13/76-13-			5-	4.0-C-			6.9-	404-		9-2-7-4-7-2-2-1-2-4-4-3-2-	-3-																	3.60	
30-46.2022-114.0569-2-15-						0-L14248-12/13/76-13-			7-	-C-						5-2-7-4-7-	-1-																		3.50
30-46.2089-114.0650-2-15-						0-L14249-12/13/76-13-			6-	-C-						9-2-7-4-7-	-1-																		5.90
30-46.2214-114.0253-2-11-						0-L14250-12/13/76-14-			5-	4.2-C-			6.3-	421-		4-2-7-5-6-1-2-1-	-4-4-4-3-	-3-																4.30	
30-46.2083-114.0750-2-15-						0-L14251-12/13/76-14-			7-	-C-						5-2-7-5-6-	-1-																		3.10
30-46.2044-114.0664-2-15-						0-L14252-12/13/76-15-			6-	-C-						4-2-6-5-6-	-1-																		3.40
30-46.2269-114.0711-2-15-						0-L14253-12/13/76-15-			7-	-C-						5-2-7-4-6-	-1-																		8.70
30-46.2331-114.0658-2-15-						0-L14254-12/13/76-15-			8-	-C-						4-2-7-3-6-	-1-																		7.60
30-46.2372-114.0586-2-15-						0-L14255-12/13/76-16-			9-	-C-						4-2-7-4-6-	-1-																		4.20
30-46.2144-114.1275-2-15-						0-L14256-12/13/76-16-			8-	-C-						5-2-7-3-7-	-1-																		5.10
30-46.7733-114.3581-2-15-						0-L14257-11/01/76-13-			7-	-C-						6-2-7-5-8-	-1-																		2.60
30-46.7756-114.3636-2-12-						0-L14258-10/21/76-13-			7-	-C-			6.6-	335-		7-2-1-4-6-2-2-1-2-3-4-2-1-	-1-																	3.60	
30-46.7725-114.3739-2-15-						0-L14259-11/01/76-13-			8-	-C-						8-2-6-5-8-	-1-																		8.00
30-46.7611-114.2492-2-15-						0-L14260-10/29/76-11-			9-	-C-						5-2-7-5-8-	-1-																		4.00

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmho/cm)	SCINTILLOMETER (c/d ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
30-46.7558-114.2108-2-15-						0-L14261-11/01/76-14-			13-		-C-					8-2-6-4-6-																	5.40	
30-46.7656-114.2183-2-15-						0-L14262-11/01/76-15-			11-		-C-					8-2-7-7-6-																	2.60	
30-46.7550-114.2039-2-12-						0-L14263-10/21/76-14-			10-	2.3	-C-		5.9	465		7-2-1-5-6-3-2-1-																	4.30	
30-46.7481-114.2381-2-15-						0-L14264-11/02/76-12-			5-		-C-					8-2-1-5-6-																	3.80	
30-46.7478-114.2408-2-15-						0-L14265-11/02/76-11-			5-		-C-					5-2-1-5-6-																	2.30	
30-46.7483-114.2428-2-15-						0-L14266-11/02/76-11-			5-		-C-					11-3-6-7-6-																	3.10	
30-46.7636-114.1900-2-15-						0-L14267-11/02/76-10-			2-		-C-					9-2-7-7-6-																	2.60	
30-46.7411-114.2011-2-12-						0-L14268-10/21/76-15-			6-	1.0	-C-		5.9	90		5-2-1-5-8-2-2-1-																	17.70	
30-46.7422-114.1936-2-15-						0-L14269-10/29/76-11-			9-		-C-					8-2-1-7-6-																	3.00	
30-46.7422-114.1908-2-12-						0-L14270-10/22/76-9-			1-		-C-		6.3	102		7-2-1-4-6-3-2-1-																	11.80	
30-46.7408-114.1506-2-15-						0-L14271-10/29/76-10-			5-		-C-					5-2-1-7-1-																	2.20	
30-46.7400-114.1494-2-12-						0-L14272-10/22/76-10-			-		-C-		6.0	150		7-2-7-3-6-3-2-1-																	21.40	
30-46.7394-114.1408-2-15-						0-L14273-10/29/76-10-			7-		-C-					10-2-1-7-6-																	6.40	
30-46.7356-114.1361-2-15-						0-L14274-10/29/76-10-			9-		-C-					8-2-7-7-8-																	2.40	
30-46.7331-114.1322-2-12-						0-L14275-10/22/76-11-			5-		-C-		6.9	305		4-2-1-4-6-2-2-1-																	7.30	
30-46.7481-114.1400-2-15-						0-L14276-10/29/76-9-			4-		-C-					5-2-6-7-6-																	3.80	
30-46.7561-114.1619-2-15-						0-L14277-11/02/76-10-			1-		-C-					9-2-7-7-6-																	2.30	
30-46.7608-114.1611-2-15-						0-L14278-11/02/76-10-			1-		-C-					7-2-6-7-6-																	2.40	
30-46.7625-114.1606-2-15-						0-L14279-11/02/76-9-			1-		-C-					7-2-6-7-1-																	2.20	
30-46.9189-114.0272-2-13-						0-L14280-10/30/76-12-			7-	3.0	-C-		6.9	650		4-1-4-5-6-1-2-2-																	3.20	
30-46.9278-114.0236-2-15-						0-L14281-10/30/76-12-			6-		-C-					8-1-4-5-6-																	3.20	
30-46.9319-114.0206-2-15-						0-L14282-10/30/76-12-			7-		-C-					6-1-4-4-6-1-																	3.10	
30-46.9419-114.0156-2-15-						0-L14283-10/30/76-13-			9-		-C-					7-1-4-5-6-1-																	2.70	
30-46.9444-114.0144-2-12-						0-L14284-10/30/76-13-			10-	4.5	-C-		6.6	222		8-1-4-4-6-2-2-2-																	3.40	
30-46.9544-114.0061-2-15-						0-L14285-10/30/76-15-			13-		-C-					6-1-4-5-6-1-																	2.20	
30-46.9608-114.0047-2-15-						0-L14286-10/30/76-14-			10-		-C-					10-1-4-5-6-1-																	2.70	
30-46.9642-114.0075-2-12-						0-L14287-10/30/76-14-			9-	4.0	-C-		6.3	68		5-1-4-4-6-3-2-1-																	7.80	
30-46.9050-114.0083-2-15-						0-L14288-10/30/76-16-			11-		-C-					4-1-4-5-6-1-																	2.40	
30-46.9047-114.0073-2-15-						0-L14289-10/30/76-16-			11-		-C-					5-1-4-5-6-1-																	2.20	
30-46.8994-114.0067-2-14-						0-L14290-10/30/76-16-			11-	7.0	-C-		7.2	700		6-1-4-6-8-1-2-5-																	2.60	
30-46.9156-114.0673-2-15-						0-L14291-10/31/76-9-			3-		-C-					6-4-5-6-1-1-																	2.70	
30-46.9322-114.0667-2-14-						0-L14292-10/31/76-9-			3-	2.2	-C-		6.3	268		6-1-4-6-8-1-2-2-																	3.50	
30-46.9511-114.0828-2-15-						0-L14293-10/31/76-10-			4-		-C-					4-1-4-7-6-1-																	1.80	
30-46.9583-114.0658-2-12-						0-L14294-10/31/76-11-			2-	3.8	-C-		6.2	130		6-1-4-5-6-2-2-1-																	3.10	
30-46.9589-114.0644-2-12-						0-L14295-10/31/76-11-			2-	4.5	-C-		6.2	177		5-1-4-5-6-2-2-1-																	3.70	
30-46.9600-114.0553-2-15-						0-L14296-10/31/76-12-			7-		-C-					8-1-4-4-8-1-1-																	4.10	
30-46.9678-114.0464-2-12-						0-L14297-10/31/76-14-			9-	5.0	-C-		7.0	520		9-1-4-6-8-2-2-2-																	3.10	
30-46.9739-114.0306-2-12-						0-L14298-10/31/76-13-			8-	6.0	-C-		6.7	340		6-1-4-4-6-3-2-1-																	3.30	
30-46.9700-114.0719-2-12-						0-L14299-10/31/76-14-			8-	5.8	-C-		6.8	590		6-1-4-6-8-2-2-1-																	3.30	
30-46.9744-114.0689-2-12-						0-L14300-10/31/76-15-			7-	4.6	-C-		6.5	170		4-1-4-4-6-3-2-1-																	3.70	
30-46.9772-114.1239-2-15-						0-L14301-10/31/76-16-			12-		-C-					7-1-4-5-6-1-																	7.30	
30-46.9833-114.1033-2-15-						0-L14302-10/31/76-16-			10-		-C-					8-1-4-5-6-1-1-																	3.70	
30-46.9900-114.1050-2-15-						0-L14303-10/31/76-17-			11-		-C-					9-1-4-5-6-1-																	3.90	
30-46.9914-114.1089-2-15-						0-L14304-10/31/76-17-			11-		-C-					9-1-4-5-6-1-																	3.70	
30-46.9364-114.1008-2-15-						0-L14305-10/31/76-15-			11-		-C-					8-1-4-4-6-1-																	4.30	
30-46.7661-114.4792-2-12-						0-L14306-10/22/76-9-			9-	2.5	-C-		5.5	205		11-2-1-3-6-2-2-2-																	5.40	
30-46.7606-114.4892-2-12-						0-L14307-10/22/76-11-			7-	3.5	-C-		5.8	435		6-2-7-3-6-3-2-2-																	2.80	
30-46.7569-114.4978-2-12-						0-L14308-10/22/76-12-			3-	3.5	-C-		6.2	320		5-2-1-3-6-3-2-2-																	4.00	
30-46.7689-114.4619-2-12-						0-L14309-10/22/76-13-			4-	3.4	-C-		5.9	335		6-2-1-3-6-3-3-1-																	3.60	
30-46.7664-114.4644-2-12-						0-L14310-10/22/76-14-			4-	3.0	-C-		5.7	220		7-2-1-3-6-3-3-1-																	4.40	
30-46.7786-114.4694-2-12-						0-L14311-10/22/76-15-			8-	3.5	-C-		5.7	365		6-2-1-3-6-2-3-2-1-																	3.80	

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (uL 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																										
30-46,7778-114.4506-2-12-	0-L14312-10/22/76-15-	5	2.5-C-	5.8			7-2-1-2-6-3-3-2-1-3-4-4-3-	-3-																								4.50		
30-46,7872-114.4131-2-12-	0-L14313-10/22/76-15-	7	5.5-C-	6.3			8-2-1-5-8-2-2-3-1-3-4-4-3-	-3-																									2.70	
30-46,7872-114.4222-2-12-	0-L14314-10/22/76-17-	4	4.0-C-	6.1			6-2-1-5-8-2-2-3-1-1-3-4-4-3-	-3-																									13.50	
30-46,7878-114.4211-2-12-	0-L14315-10/22/76-17-	4	4.0-C-	6.2			9-2-1-3-6-2-2-3-1-1-3-4-4-3-	-3-																									2.70	
30-46,7800-114.4233-2-12-	0-L14316-10/22/76-18-	4	3.5-C-	6.1			11-2-7-5-7-2-3-1-1-3-4-4-3-	-1-																									1.30	
30-46,7811-114.4194-2-12-	0-L14317-10/22/76-18-	3	3.5-C-	6.2			7-2-7-3-7-3-2-3-1-1-2-4-4-3-	-1-																									2.40	
30-46,7853-114.4003-2-11-	0-L14318-10/24/76-10-		0.2-C-	6.1			11-2-7-6-8-2-2-3-1-1-3-4-4-3-	-3-																									2.90	
30-46,8050-114.4008-2-12-	0-L14319-10/24/76-11-	5	5.5-C-	5.7			10-2-1-5-8-2-2-3-1-4-3-2-2-3-	-3-																									6.70	
30-46,8053-114.4017-2-12-	0-L14320-10/24/76-12-	7	3.5-C-	5.9			11-2-7-3-7-3-2-2-1-4-3-2-2-3-	-3-																									4.10	
30-46,8014-114.4011-2-12-	0-L14321-10/24/76-13-	10	3.5-C-	5.5			10-2-7-5-7-3-2-2-1-4-3-2-2-3-	-3-																									4.90	
30-46,7950-114.3992-2-12-	0-L14322-10/24/76-13-	10	1.0-C-	5.5			6-2-7-5-8-2-2-3-1-4-3-2-2-3-	-3-																									23.70	
30-46,8189-114.4089-2-12-	0-L14323-10/24/76-15-	7	3.5-C-	5.1			6-2-7-3-6-3-2-2-1-1-3-3-4-3-	-1-																									4.70	
30-46,8172-114.4103-2-12-	0-L14324-10/24/76-15-	10	-C-	5.8			5-2-7-3-6-2-3-1-1-2-3-2-2-	-1-																									5.10	
30-46,8083-114.4092-2-12-	0-L14325-10/24/76-16-	11	3.5-C-	5.9			11-2-7-3-6-2-2-3-1-4-2-4-3-	-3-																									4.80	
30-46,8053-114.4069-2-11-	0-L14326-10/24/76-17-	7	5.0-C-	6.3			11-2-4-3-8-1-2-4-1-1-3-4-4-3-	-1-																									3.70	
30-46,7592-114.4903-2-15-	0-L14327-10/27/76-12-	17	-C-				8-2-7-4-7- -1- -1-1-4-2-1-	-1-																									10.30	
30-46,7653-114.4825-2-15-	0-L14328-10/27/76-16-	16	-C-				3-3-1-4-7- -1- -1-1-4-3-1-	-1-																									14.80	
30-46,7672-114.4703-2-15-	0-L14329-10/27/76-17-	18	-C-				6-2-7-7-6- -1- -2-1-4-4-1-	-9-																									11.00	
30-46,7917-114.3989-2-15-	0-L14330-10/27/76-18-	8	-C-				7-2-7-7-6- -1- -2-1-3-4-1-	-3-																									3.10	
30-46,8158-114.4136-2-15-	0-L14331-10/27/76-17-	15	-C-				8-2-7-3-6- -1- -2-1-2-4-1-	-9-																									3.30	
30-46,8811-114.4431-2-12-	0-L14332-10/23/76-10-	7	6.0-C-	5.8		150	6-1-4-5-6-3-3-2-2-1-2-3-2-	-1-																									24.50	
30-46,8903-114.4919-2-12-	0-L14333-10/23/76-10-	3	5.5-C-	5.8		180	6-1-1-5-6-3-3-1-2-7-4-4-1-	-1-																									3.90	
30-46,8900-114.4911-2-11-	0-L14334-10/23/76-10-	1	6.0-C-	6.1		210	5-1-1-6-6-2-3-2-3-1-4-4-1-	-1-																									5.50	
30-46,8914-114.4844-2-11-	0-L14335-10/27/76-11-	2	-C-				-1-6-5-6-2-3-1-3-1-5-5-1-	-1-																									4.50	
30-46,8925-114.4792-2-15-	0-L14336-10/27/76-11-	2	-C-				-1-6-7-6- -1- -1-5-4-1-	-1-																									3.20	
30-46,9022-114.4733-2-15-	0-L14337-10/27/76-15-	7	-C-				-4- -7-6- -1- -1-4-4-1-	-1-																									2.10	
30-46,9033-114.4808-2-11-	0-L14338-10/23/76-12-	4	6.0-C-	5.8		220	2-1-1-5-6-2-3-1-3-1-3-3-3-	-1-																									7.00	
30-46,9061-114.4869-2-15-	0-L14339-10/27/76-15-	4	-C-				-1-1-7-6- -1- -1-3-4-1-	-1-																									8.10	
30-46,9056-114.4939-2-15-	0-L14340-10/27/76-12-	3	-C-				-1-1-3-7- -1- -1-4-4-1-	-1-																									7.50	
30-46,9042-114.4925-2-15-	0-L14341-10/27/76-12-	3	-C-				-1-1-7-6- -1- -1-4-4-1-	-1-																									4.00	
30-46,9047-114.4983-2-12-	0-L14342-10/23/76-13-	3	6.0-C-	6.0		320	0-1-1-5-6-3-3-1-2-1-4-3-3-	-1-																									3.00	
30-46,8964-114.4594-2-12-	0-L14343-10/23/76-15-	11	7.0-C-	6.0		160	9-1-1-3-7-3-3-1-2-1-2-2-3-	-1-																									18.90	
30-46,9078-114.4606-2-12-	0-L14344-10/23/76-15-	11	8.0-C-	5.7		115	8-1-4-2-4-3-2-1-2-1-2-3-2-	-1-																									21.00	
30-46,9431-114.4961-2-11-	0-L14345-10/23/76-16-	9	10.0-C-	6.3		200	5-4-1-5-6-2-3-1-3-1-3-4-1-	-1-																									3.80	
30-46,9408-114.4956-2-11-	0-L14346-10/23/76-17-	6	4.0-C-	5.6		70	6-1-1-2-1-2-2-2-3-1-3-3-1-	-1-																									4.80	
30-46,9381-114.4811-2-12-	0-L14347-10/24/76-10-		7.0-C-	6.0		190	6-1-1-3-4-3-3-1-2-1-3-3-1-	-1-																									4.10	
30-46,9369-114.4911-2-12-	0-L14348-10/24/76-11-		6.0-C-	5.5		75	9-1-1-2-1-2-3-1-2-1-3-3-1-	-1-																									3.60	
30-46,9372-114.4778-2-12-	0-L14349-10/24/76-11-		6.0-C-	6.4		325	4-1-1-3-4-3-3-1-2-1-3-3-1-	-1-																									3.20	
30-46,9286-114.4722-2-11-	0-L14350-10/28/76-12-	7	-C-				-1-5-6-6-1-2-1-3-1-3-4-1-	-1-																									5.60	
30-46,9172-114.4653-2-11-	0-L14351-10/24/76-12-	4	1.0-C-	6.4		410	4-1-1-5-6-3-3-1-3-1-3-4-1-	-1-																									2.30	
30-46,9178-114.4911-2-11-	0-L14352-10/24/76-12-	3	6.0-C-	6.0		160	7-1-1-5-6-2-3-1-3-1-3-5-1-	-1-																									3.10	
30-46,9267-114.4494-2-15-	0-L14353-10/27/76-16-	14	-C-				6-4- -7-6- -1- -1-2-5-1-	-1-																									3.00	
30-46,9283-114.4489-2-15-	0-L14354-10/27/76-16-	10	-C-				-2-4-7-1- -1- -1-2-5-1-	-1-																									2.20	
30-46,9325-114.4417-2-12-	0-L14355-10/24/76-13-	5	6.0-C-	6.0		130	5-1-5-3-4-4-3-1-2-1-3-5-1-	-1-																									9.10	
30-46,9442-114.4303-2-15-	0-L14356-10/28/76-11-	2	-C-				-1-1-3-6- -1- -2-1-4-5-1-	-1-																									4.20	
30-46,9444-114.4322-2-15-	0-L14357-10/28/76-11-	2	-C-				-1-1-3-6- -1- -3-4-3-1-	-1-																									3.80	
30-46,9508-114.4275-2-15-	0-L14358-10/27/76-17-	1	-C-				4-4- -7-6- -1- -1-3-4-1-	-1-																									2.30	
30-46,9567-114.4250-2-12-	0-L14359-10/24/76-14-	7	4.0-C-	6.0		160	9-1-1-3-1-3-3-1-2-1-2-5-1-	-1-																									7.10	
30-46,9619-114.4381-2-11-	0-L14360-10/24/76-15-	6	7.0-C-	6.4		260	9-1-5-7-5-4-3-1-3-1-3-4-1-	-1-																									4.60	
30-46,9664-114.4361-2-15-	0-L14361-10/27/76-17-	9	-C-				-4- -7-6- -1- -1-4-4-1-	-1-																									12.80	
30-46,9689-114.4417-2-15-	0-L14362-10/27/76-18-	9	-C-				-2-4-3-6- -1- -1-3-4-1-	-1-																									3.50	

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DOE SAMPLE NUMBER					LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION									
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (uI 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																										
30-46	9658	-114.1383	-2-12-			0-L14363	10/30/76	-10-	-	3.0	-C-	5.7	210-	5-1-1-4-6-3-3-2-3-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
30-46	9803	-114.1536	-2-11-			0-L14364	10/30/76	-11-	5-	3.0	-C-	6.3	550-	4-1-1-5-6-2-3-3-3-4-3-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.60		
30-46	9889	-114.1817	-2-15-			0-L14365	10/30/76	-12-	8-	-	-C-	-	-	3-1-4-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50		
30-46	9367	-114.1397	-2-15-			0-L14366	10/30/76	-13-	9-	-	-C-	-	-	8-1-1-3-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10		
30-46	9664	-114.1669	-2-15-			0-L14367	10/30/76	-14-	9-	-	-C-	-	-	7-1-4-2-4-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60		
30-46	9250	-114.2433	-2-15-			0-L14368	10/31/76	-10-	15-	-	-C-	-	-	8-1-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.70		
30-46	9644	-114.2375	-2-15-			0-L14369	10/31/76	-10-	3-	-	-C-	-	-	6-1-4-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90		
30-46	9711	-114.2450	-2-12-			0-L14370	10/31/76	-10-	4-	1.0	-C-	5.5	80-	1-1-4-5-6-3-3-1-2-1-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.40		
30-46	9789	-114.6467	-2-12-			0-L14371	10/23/76	-9-	2-	6.5	-	6.1	290-	6-4-1-4-6-4-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.90		
30-46	9747	-114.6494	-2-15-			0-L14372	10/28/76	-17-	15-	-	-	-	-	9-1-7-3-7-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
30-46	9703	-114.6500	-2-12-			0-L14373	10/23/76	-11-	1-	3.5	-	5.7	250-	7-2-6-5-7-3-3-1-3-3-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.50		
30-46	9639	-114.6431	-2-12-			0-L14374	10/23/76	-10-	-1-	4.5	-	5.4	120-	11-2-1-4-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.30		
30-46	9639	-114.6442	-2-12-			0-L14375	10/23/76	-10-	-1-	5.1	-	5.6	120-	9-2-1-4-7-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.70		
30-46	9597	-114.6667	-2-13-			0-L14376	10/23/76	-12-	1-	5.2	-	5.6	95-	8-2-1-6-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.90		
30-46	9511	-114.6722	-2-15-			0-L14377	10/28/76	-16-	16-	-	-C-	-	-	6-1-7-7-7-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10	
30-46	9444	-114.6817	-2-12-			0-L14378	10/23/76	-12-	7-	7.1	-	5.6	190-	5-2-1-5-6-3-3-1-3-3-4-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.90		
30-46	9314	-114.6939	-2-15-			0-L14379	10/28/76	-16-	16-	-	-C-	-	-	4-1-6-3-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60	
30-46	9169	-114.6881	-2-12-			0-L14380	10/23/76	-12-	6-	6.3	-	5.7	190-	7-2-1-5-7-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.00		
30-46	9142	-114.6881	-2-15-			0-L14381	10/28/76	-16-	16-	-	-C-	-	-	10-1-1-3-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
30-46	9086	-114.6861	-2-12-			0-L14382	10/28/76	-16-	18-	4.8	-C-	6.0	1925-	3-1-1-3-6-2-3-1-2-1-2-5-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00		
30-46	8986	-114.6553	-2-12-			0-L14383	10/23/76	-14-	9-	7.3	-	6.0	230-	8-2-1-6-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.50		
30-46	8981	-114.6497	-2-11-			0-L14384	10/23/76	-15-	11-	7.2	-	5.7	150-	12-2-7-5-6-1-3-1-3-3-5-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.20		
30-46	8997	-114.6417	-2-12-			0-L14385	10/23/76	-15-	11-	6.0	-	5.5	125-	3-2-7-5-6-3-3-1-3-3-4-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.90		
30-46	9006	-114.6333	-2-12-			0-L14386	10/23/76	-16-	12-	7.0	-	6.0	350-	14-2-7-6-6-3-3-1-3-3-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.80		
30-46	8997	-114.6844	-2-12-			0-L14387	10/23/76	-16-	10-	5.4	-	5.7	200-	8-2-1-4-6-1-3-3-1-3-3-3-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.90		
30-46	8925	-114.6844	-2-12-			0-L14388	10/28/76	-15-	18-	6.5	-C-	6.5	2925-	9-1-1-3-7-2-2-1-2-1-2-5-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90		
30-46	8903	-114.6839	-2-15-			0-L14389	10/28/76	-15-	18-	-	-C-	-	-	9-1-1-3-7-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-						

DOE SAMPLE NUMBER						LASI SAMPLE NUMBER AND FIELD DATA																								U CONCENTRATION				
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASI SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (dL ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
30-46	9808	-114.7308	-2-12			0-L14414	-10/28/76	-9-		3.6	-C-		5.7	680		-1-7	-3-7	-2-2	-1-3	-1-3	-5-1	-4-												4.60
30-46	9825	-114.7308	-2-15			0-L14415	-10/28/76	-10-			-C-					6-1	-1-7		-1-	-1-3	-5-1	-1-												2.30
30-46	9875	-114.7153	-2-15			0-L14416	-10/28/76	-12-	3-							12-1	-6-7	-6-	-1-	-1-3	-5-1	-1-												2.80
30-46	9908	-114.7094	-2-15			0-L14417	-10/28/76	-12-	3-		-C-					9-1	-6-7	-6-	-1-	-1-3	-5-1	-1-												3.10
30-46	9958	-114.7008	-2-15			0-L14418	-10/28/76	-11-	2-		-C-					17-1	-6-7	-6-	-1-	-1-3	-5-1	-1-												3.00
30-46	6731	-114.4106	-2-12			0-L14419	-10/26/76	-10-	1-	2.2	-C-		5.1	25		-3-7	-4-6	-3-3	-1-2	-3-3	-3-3	-1-												19.00
30-46	6775	-114.4186	-2-12			0-L14420	-10/26/76	-11-	2-	2.0	-C-		5.2	42		-3-7	-4-6	-4-3	-1-2	-1-4	-5-3	-1-												7.60
30-46	6797	-114.4297	-2-12			0-L14421	-10/26/76	-11-	3-	2.4	-C-		5.3	58		-3-7	-4-6	-3-2	-1-2	-1-3	-4-3	-1-												4.40
30-46	6783	-114.4511	-2-12			0-L14422	-10/26/76	-18-	6-	3.3	-		5.3	41		-3-1	-4-6	-3-2	-1-2	-1-3	-4-3	-1-												4.80
30-46	6831	-114.4869	-2-12			0-L14423	-10/26/76	-12-	3-	2.8	-C-		5.3	59		-3-7	-4-6	-3-2	-1-2	-1-3	-4-3	-1-												11.50
30-46	6836	-114.4875	-2-12			0-L14424	-10/26/76	-12-	3-	2.7	-C-		5.2	40		-3-7	-4-6	-3-2	-1-2	-1-3	-4-3	-1-												6.70
30-46	6708	-114.4961	-2-12			0-L14425	-10/26/76	-13-	3-	2.6	-C-		5.5	46		-3-7	-4-6	-3-2	-1-2	-1-3	-4-3	-1-												9.70
30-46	6692	-114.4883	-2-12			0-L14426	-10/26/76	-14-	4-	2.7	-		5.1	26		-3-7	-4-6	-4-2	-1-2	-1-4	-5-3	-1-												2.70
30-46	6639	-114.4911	-2-12			0-L14427	-10/26/76	-15-	6-	2.7	-C-		5.3	32		-4-	-4-6	-3-2	-1-2	-1-3	-3-3	-1-												4.50
30-46	6536	-114.4953	-2-12			0-L14428	-10/26/76	-15-	5-	2.3	-C-		5.3	33		-3-1	-4-6	-3-2	-1-2	-1-4	-4-3	-1-												5.10
30-46	6844	-114.4842	-2-12			0-L14429	-10/26/76	-15-	5-	2.4	-C-		5.7	100		-3-1	-4-6	-3-2	-1-2	-1-4	-4-3	-1-												10.00
30-46	6806	-114.4806	-2-12			0-L14430	-10/26/76	-16-	6-	3.7	-		5.4	61		-3-1	-4-6	-3-2	-1-2	-1-4	-4-3	-1-												4.60
30-46	6839	-114.4631	-2-12			0-L14431	-10/26/76	-16-	6-	3.2	-		5.6	91		-3-1	-4-6	-3-2	-1-2	-1-3	-3-3	-1-												6.90
30-46	6783	-114.4631	-2-12			0-L14432	-10/26/76	-16-	6-	3.2	-		5.6	61		-3-1	-4-6	-4-2	-1-2	-1-4	-4-3	-1-												7.60
30-46	6817	-114.4564	-2-12			0-L14433	-10/26/76	-17-	5-	4.3	-		5.6	81		-3-1	-4-6	-2-2	-1-2	-1-4	-3-3	-1-												6.70
30-46	6778	-114.4392	-2-12			0-L14434	-10/26/76	-17-	5-	3.6	-		5.3	34		-4-	-4-6	-3-2	-1-2	-1-4	-4-3	-1-												7.40
30-46	6878	-114.4883	-2-12			0-L14435	-10/26/76	-18-	5-	4.1	-		5.8	131		-3-1	-4-6	-3-2	-1-2	-1-4	-4-3	-1-												5.20
30-46	6886	-114.4919	-2-12			0-L14436	-10/26/76	-18-	5-	3.5	-		5.6	88		-3-1	-4-6	-3-2	-1-2	-1-3	-3-3	-1-												17.50
30-46	6906	-114.4944	-2-12			0-L14437	-10/26/76	-19-	5-	3.6	-		5.6	79		-3-7	-4-6	-2-2	-1-2	-1-3	-5-2	-1-												11.70
30-46	9072	-114.5247	-2-12			0-L14438	-10/27/76	-13-	3-	5.0	-C-		5.9	228		-1-6	-4-6	-2-2	-1-2	-1-3	-4-1	-1-												4.60
30-46	9078	-114.5250	-2-12			0-L14439	-10/27/76	-14-	3-	4.0	-C-		6.2	259		-1-6	-4-6	-3-2	-1-2	-1-4	-3-1	-1-												3.70
30-46	9078	-114.5161	-2-12			0-L14440	-10/27/76	-14-	3-	5.6	-C-		5.9	160		-1-1	-4-6	-3-2	-1-2	-1-4	-4-1	-1-												9.00
30-46	9067	-114.5111	-2-12			0-L14441	-10/27/76	-15-	3-	4.0	-C-		6.0	220		7-1	-1-4	-6	-3-2	-1-2	-1-5	-4-1	-1-											4.70
30-46	9472	-114.5069	-2-12			0-L14442	-10/28/76	-12-	6-	4.8	-		6.2	275		6-	-	-4-6	-2-2	-1-1	-1-3	-4-1	-1-											3.30
30-46	9375	-114.5593	-2-15			0-L14443	-10/28/76	-13-	3-		-C-					6-1	-1-4	-6		-	-1-5	-4-1	-1-											8.50
30-46	9375	-114.5594	-2-12			0-L14444	-10/28/76	-13-	3-	2.9	-		5.7	135		6-1	-1-4	-6	-3-3	-1-2	-1-5	-4-1	-1-											7.80
30-46	9481	-114.5683	-2-15			0-L14445	-10/28/76	-14-	4-		-C-					8-4	-	-7-6		-	-1-4	-4-1	-1-											4.70
30-46	9447	-114.5644	-2-15			0-L14446	-10/28/76	-14-	8-		-C-					6-1	-1-3	-6		-	-1-5	-4-1	-1-											5.10
30-46	9472	-114.5592	-2-15			0-L14447	-10/28/76	-14-	17-		-C-					-4-	-	-7-6		-	-1-4	-3-1	-1-											2.70
30-46	9461	-114.5475	-2-15			0-L14448	-10/28/76	-15-	12-		-C-					5-1	-1-7	-6		-	-1-4	-4-1	-1-											2.30
30-46	9444	-114.5528	-2-12			0-L14449	-10/28/76	-15-	5-	5.0	-		6.1	190		-1-1	-4	-6	-3-2	-1-2	-1-4	-4-1	-1-											5.60
30-46	9467	-114.5411	-2-15			0-L14450	-10/28/76	-15-	6-		-C-					4-1	-1-7	-6		-	-1-4	-4-1	-1-											2.00
30-46	9469	-114.5361	-2-15			0-L14451	-10/28/76	-15-	5-		-C-					-1-1	-3	-6		-	-1-4	-4-1	-1-											3.10
30-46	9483	-114.5314	-2-12			0-L14452	-10/28/76	-15-	8-	6.1	-C-		5.6	74		-2-1	-6	-6	-2-2	-1-2	-1-4	-4-1	-1-											4.30
30-46	9481	-114.5208	-2-11			0-L14453	-10/28/76	-16-	14-		-C-					-1-1	-6	-6		-	-1-4	-4-1	-1-											11.00
30-46	9469	-114.5303	-2-12			0-L14454	-10/28/76	-16-	9-	5.0	-C-		5.4	52		-1-1	-4	-6	-3-2	-1-2	-1-4	-3-1	-1-											3.30
30-46	9464	-114.5247	-2-12			0-L14455	-10/28/76	-16-	8-	5.0	-C-		6.0	179		-1-1	-4	-6	-3-2	-1-2	-1-4	-3-1	-1-											6.50
30-46	9458	-114.5178	-2-12			0-L14456	-10/28/76	-17-	8-	5.0	-C-		5.8	133		-1-1	-6	-6	-2-2	-1-3	-1	-4	-3-1	-1-										11.40
30-46	9453	-114.5128	-2-15			0-L14457	-10/28/76	-18-	7-		-C-					4-1	-1	-3	-6		-	-1-4	-4-1	-1-										45.50
30-46	8567	-114.4239	-2-12			0-L14458	-11/01/76	-9-	6-	5.1	-C-		6.4	354		7-1	-4	-5	-8	-2-2	-1-1	-1	-4	-3-4	-1-									24.50
30-46	8578	-114.4247	-2-12			0-L14459	-11/01/76	-10-	6-	5.2	-C-		6.3	394		7-1	-4	-5	-8	-2-2	-1-1	-1	-4	-3-4	-1-									3.90
30-46	8500	-114.4383	-2-12			0-L14460	-11/01/76	-10-	6-	5.0	-		6.2	175		8-4	-	-4	-6	-3-2	-1-2	-1	-4	-3-4	-1-									10.00
30-46	8619	-114.4389	-2-12			0-L14461	-11/01/76	-11-	6-	5.0	-C-		5.8	111		10-4	-	-4	-6	-3-2	-1-2	-3	-2	-3-1	-1-									8.90
30-46	8742	-114.4453	-2-12			0-L14462	-11/01/76	-11-	6-	6.0	-C-		6.3	131		6-4	-	-4	-6	-2-2	-1-2	-3	-4	-3-3	-1-									17.90
30-46	8678	-114.4500	-2-15			0-L14463	-11/01/76	-12-	6-		-C-					7-4	-	-7	-6		-	-	-1-4	-3-3	-1-									3.40
30-46	8694	-114.4500	-2-12			0-L14464	-11/01/76	-12-	6-	7.0	-		6.5	334		7-4	-	-4	-6	-2-2	-1-2	-1	-4	-3-3	-1-									3.90

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																										U CONCENTRATION		
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE 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																										
30-46	8750-114.4550	-2-12				0-L14465	11/01/76	-13	6	5.5	-	-	6.2	215	7-4	-4-6-3-2-1-2-1-4-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.40	
30-46	9869-114.4500	-2-15				0-L14466	11/01/76	-14	11	-	-	-	-	-	7-4	-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.30	
30-46	9900-114.4003	-2-12				0-L14467	11/01/76	-14	13	8.1	-	-	6.2	141	-4-	-4-6-3-2-1-2-1-3-4-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.80	
30-46	9803-114.5322	-2-12				0-L14468	11/02/76	-11	4	5.0	-C-	-	6.6	476	-1-1	-4-6-3-2-1-2-1-4-4-3	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
30-46	9781-114.5264	-2-15				0-L14469	11/02/76	-11	4	-	-C-	-	-	-	5-1	-1-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
30-46	9703-114.5242	-2-12				0-L14470	11/02/76	-12	4	4.3	-	-	5.8	251	-4-	-4-6-3-2-1-2-1-4-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.80	
30-46	2461-114.0600	-2-15				0-L14485	04/25/77	-16	29	-	-C-	-	-	-	9-2	-4-6-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
30-46	2031-114.0114	-2-12				0-L14490	04/26/77	-11	17	5.2	-C-	-	6.8	158	7-2	-7-6-6-3-3-1-2-2-5-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.40	
30-46	5919-114.1692	-2-12				0-L14491	04/30/77	-11	17	11.0	-C-	-	5.3	28	33-3	-1-2-6-3-2-1-2-1-4-4-1	-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.30	
30-46	6000-114.1636	-2-12				0-L14492	04/30/77	-13	17	6.0	-C-	-	5.3	29	11-3	-1-5-6-2-2-1-2-1-3-4-1	-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.00	
30-46	6172-114.1442	-2-15				0-L14493	04/30/77	-15	22	-	-C-	-	-	-	55-3	-1-3-2-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40	
30-46	9244-114.2075	-2-15				0-L14494	05/07/77	-10	14	-	-C-	-	-	-	75-	-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.00	
30-46	9364-114.2347	-2-15				0-L14495	05/07/77	-12	24	-	-C-	-	-	-	25-1	-2-2-4-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
30-46	9414-114.2144	-2-15				0-L14496	05/07/77	-13	20	-	-C-	-	-	-	6-1	-1-2-1-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.00	
30-46	9939-114.2489	-2-12				0-L14497	05/07/77	-14	25	-	-C-	-	-	-	9-1	-4-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50	
30-46	8194-114.0258	-2-15				0-L14498	05/11/77	-16	15	-	-C-	-	-	-	31-1	-2-3-6-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10	
30-46	8172-114.0433	-2-15				0-L14499	05/11/77	-17	18	-	-C-	-	-	-	69-1	-2-3-6-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
30-46	2772-114.0872	-2-12				0-L14500	05/14/77	-10	16	13.5	-C-	-	5.9	210	31-1	-6-3-6-3-2-4-2-4-3-2-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60		
30-46	2767-114.1075	-2-12				0-L14501	05/14/77	-11	20	13.0	-C-	-	7.5	350	21-1	-7-3-7-3-2-1-2-4-3-2-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.80		
30-46	3450-114.0608	-2-15				0-L14502	05/14/77	-12	14	-	-C-	-	-	-	47-1	-7-4-6-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.50	
30-46	4450-114.0664	-2-12				0-L14503	05/14/77	-13	16	14.0	-C-	-	8.4	600	69-1	-1-4-6-2-2-2-2-4-2-3-3	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
30-46	4983-114.0919	-2-12				0-L14504	05/14/77	-13	15	12.0	-C-	-	6.3	80	47-1	-1-2-7-5-4-4-2-4-3-2-4	-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.40		
30-46	4983-114.0025	-2-12				0-L14505	05/14/77	-14	12	11.0	-C-	-	6.6	170	47-1	-7-3-7-1-2-1-1-4-3-3-4	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.30		
30-46	7819-114.0083	-2-15				0-L14506	05/15/77	-13	15	-	-C-	-	-	-	84-1	-7-2-6-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
30-46	7836-114.0039	-2-15				0-L14507	05/15/77	-13	15	-	-C-	-	-	-	6-1	-4-3-1-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
30-46	7758-114.0333	-2-15				0-L14508	05/15/77	-14	21	-	-C-	-	-	-	31-1	-7-3-6-	-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
30-46	7664-114.0833	-2-15				0-L14509	05/15/77	-14	16	-	-C-	-	-	-	47-3	-1-3-1-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50	
30-46	4917-114.1406	-2-12				0-L14510	10/19/76	-10	1	1.2	-C-	-	5.7	72	11-3	-1-4-7-2-2-1-1-4-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.50		
30-46	8322-114.6439	-2-15				0-L14511	10/26/76	-14	9	-	-	-	-	-	10-1	-7-3-7-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
30-46	4819-114.1536	-2-12				0-L14512	10/19/76	-11	4	1.8	-C-	-	5.2	35	5-3	-1-2-1-2-2-1-2-2-4-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.40		
30-46	4711-114.1664	-2-14				0-L14513	10/19/76	-12	8	5.9	-C-	-	5.7	108	6-3	-7-5-8-1-2-2-	-4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.70	
30-46	4597-114.1661	-2-12				0-L14514	10/19/76	-13	8	2.1	-C-	-	5.2	18	2-3	-1-2-1-3-2-1-2-2-3-3-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.70	
30-46	4556-114.1856	-2-11				0-L14515	10/19/76	-13	12	6.9	-C-	-	6.4	310	4-3	-1-4-5-1-2-1-	-2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.70	
30-46	4356-114.1847	-2-11				0-L14516	10/19/76	-15	14	9.8	-C-	-	6.7	412	9-3	-1-5-6-1-2-1-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
30-46	4272-114.1706	-2-12				0-L14518	10/19/76	-16	12	4.1	-C-	-	6.4	259	5-3	-1-4-6-2-2-1-2-6-3-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.90	
30-46	4183-114.1928	-2-19				0-L14519	10/26/76	-10	14	-	-C-	-	-	-	8-3	-1-4-6-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.90	
30-46	4275-114.2094	-2-12				0-L14520	10/19/76	-17	9	2.1	-C-	-	5.4	41	4-3	-1-3-1-3-2-1-2-1-3-4-1	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.50	
30-46	4158-114.2206	-2-12				0-L14521	10/19/76	-18	4	1.5	-C-	-	5.4	32	3-3	-1-3-6-2-2-1-2-2-4-4-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.10	
30-46	4133-114.2244	-2-15				0-L14522	10/26/76	-11	13	-	-C-	-	-	-	14-3	-1-4-1-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.30	
30-46	4075-114.2278	-2-15				0-L14523	10/26/76	-11	13	-	-C-	-	-	-	9-3	-1-4-7-	-1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.80	
30-46	4044-114.2217	-2-12				0-L14524	10/20/76	-10	4	0.9	-C-	-	5.4	58	3-3	-1-4-6-2-2-1-2-2-2-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.70		
30-46	3992-114.2014	-2-12				0-L14525	10/20/76	-10	2	2.1	-C-	-	6.0	210	2-3	-1-4-6-2-2-1-1-4-4-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.20		
30-46	3994-114.1992	-2-12				0-L14526	10/20/76	-11	6	2.1	-C-	-	5.7	99	7-3	-1-4-6-2-2-1-1-4-4-2-1	-3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.80	
30-46	4086-114.1981	-2-12				0-L14527	10/20/76	-12	12	2.1	-C-	-	5.3	67	6-3	-1-4-6-2-																		

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																						U CONCENTRATION						
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE 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																										
30-46	2456-114	2086-2-12	0-L14586	10/19/76-11	2-	2.3-C-	5.2	25-	6-3-6-4-6-2-2-1-1-2-3-2-1-	7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.30	
30-46	2375-114	2014-2-12	0-L14587	10/19/76-12	4-	3.0-C-	5.8	78-	8-3-7-6-8-2-2-1-1-2-4-1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30
30-46	2375-114	2072-2-12	0-L14588	10/19/76-12	4-	3.2-C-	5.2	25-	5-3-6-4-6-3-2-1-2-3-2-1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.60
30-46	2364-114	2117-2-12	0-L14589	10/19/76-13	6-	6.4-C-	5.8	68-	1-3-6-4-6-2-2-1-1-4-2-2-1-	7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.10
30-46	2256-114	2067-2-12	0-L14590	10/19/76-13	9-	5.0-C-	5.6	40-	10-3-1-4-6-2-2-1-2-3-4-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.10
30-46	2286-114	2203-2-12	0-L14591	10/19/76-14	7-	3.1-C-	5.2	20-	3-3-6-2-6-4-2-1-2-2-5-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.20
30-46	2169-114	1994-2-12	0-L14592	10/19/76-15	8-	5.8-C-	5.2	18-	8-3-1-3-1-3-2-1-2-3-2-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30
30-46	1919-114	1917-2-15	0-L14593	10/26/76-10	8-	-C-	-	-	4-3-7-4-6-2-2-2-4-2-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90
30-46	2072-114	1961-2-12	0-L14594	10/19/76-16	6-	3.6-C-	5.2	17-	4-3-7-1-7-3-2-1-2-1-4-5-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30
30-46	1986-114	1922-2-12	0-L14595	10/19/76-16	4-	1.2-C-	5.2	17-	9-3-7-3-6-2-2-1-2-2-4-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.30
30-46	1597-114	1983-2-12	0-L14596	10/19/76-17	5-	5.1-C-	5.6	65-	8-3-8-4-6-2-2-1-2-2-2-2-1-	7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.80
30-46	1664-114	2039-2-12	0-L14597	10/19/76-17	2-	4.1-C-	5.8	100-	5-3-8-6-8-2-2-1-1-2-5-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.70
30-46	1672-114	2042-2-12	0-L14598	10/19/76-16	-	3.0-C-	5.2	35-	4-3-6-4-6-2-2-1-2-2-2-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.60
30-46	1844-114	1819-2-12	0-L14599	10/20/76-10	1-	1.1-C-	5.7	68-	4-3-6-4-6-2-2-1-2-4-4-1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.60
30-46	1839-114	1836-2-12	0-L14600	10/20/76-10	1-	1.0-C-	5.3	52-	9-3-6-6-8-2-2-1-1-3-4-1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30
30-46	1683-114	1889-2-12	0-L14601	10/20/76-11	2-	2.2-C-	5.8	99-	5-3-6-3-6-3-2-1-2-4-3-2-1-	7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.20
30-46	1508-114	2042-2-12	0-L14602	10/20/76-12	5-	2.5-C-	5.2	14-	5-3-7-4-6-3-2-1-2-4-4-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.80
30-46	1492-114	2050-2-12	0-L14603	10/20/76-12	7-	5.2-C-	5.2	35-	5-3-6-5-8-2-2-3-1-4-5-1-1-	7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50
30-46	1272-114	2144-2-12	0-L14604	10/20/76-13	7-	2.5-C-	5.2	19-	7-3-7-3-6-2-2-1-2-2-5-3-1-	7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.70
30-46	1258-114	2139-2-12	0-L14605	10/20/76-14	7-	5.0-C-	5.7	70-	6-3-7-3-6-2-2-1-2-5-2-2-1-	7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.80
30-46	1308-114	2111-2-12	0-L14606	10/20/76-15	10-	3.1-C-	5.2	28-	9-3-1-4-1-2-2-2-2-2-4-4-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.30
30-46	1400-114	2164-2-12	0-L14607	10/20/76-15	9-	4.1-C-	5.6	61-	7-3-6-3-6-2-2-1-2-4-2-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.40
30-46	1444-114	2164-2-12	0-L14608	10/20/76-16	11-	3.1-C-	5.2	11-	7-3-7-1-6-3-2-1-2-1-3-3-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.10
30-46	1225-114	2308-2-12	0-L14609	10/21/76-10	2-	3.9-C-	5.5	37-	7-3-7-4-7-2-2-1-2-2-5-3-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.80
30-46	1203-114	2361-2-15	0-L14610	10/26/76-15	9-	-C-	-	-	9-3-6-4-6-2-2-1-2-4-4-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.30
30-46	1186-114	2394-2-12	0-L14611	10/21/76-11	2-	2.5-C-	5.2	38-	4-3-6-4-6-2-2-1-2-2-3-4-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30
30-46	1100-114	2406-2-12	0-L14612	10/21/76-12	5-	3.1-C-	5.6	54-	11-3-6-4-6-2-2-1-2-2-4-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.30
30-46	1058-114	2014-2-12	0-L14613	10/21/76-12	5-	7.9-C-	5.5	55-	2-3-6-4-6-2-2-1-1-2-3-1-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.10
30-46	0778-114	2261-2-12	0-L14614	10/21/76-13	6-	0.4-C-	5.2	39-	10-3-6-4-6-3-2-1-2-2-3-3-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.00
30-46	0853-114	2206-2-12	0-L14615	10/21/76-13	10-	7.9-C-	6.1	157-	8-3-6-4-6-2-2-1-2-2-3-4-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.80
30-46	0956-114	2156-2-15	0-L14616	10/26/76-11	8-	-C-	-	-	5-3-6-4-6-2-2-1-1-3-3-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30
30-46	0933-114	2158-2-15	0-L14617	10/26/76-11	8-	-C-	-	-	10-3-6-4-6-2-2-1-1-4-4-2-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30
30-46	0914-114	2161-2-15	0-L14618	10/26/76-11	7-	-C-	-	-	6-3-6-5-6-2-2-1-3-4-2-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.80
30-46	0892-114	2178-2-15	0-L14619	10/26/76-11	7-	-C-	-	-	6-3-6-4-6-2-2-1-2-1-4-4-2-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80
30-46	0814-114	2317-2-12	0-L14620	10/21/76-14	11-	3.9-C-	6.3	230-	6-3-6-5-8-2-2-3-1-4-3-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.60
30-46	0550-114	1944-2-12	0-L14621	10/21/76-15	8-	7.1-C-	5.8	125-	3-3-6-4-6-3-2-1-2-4-3-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00
30-46	0544-114	1939-2-12	0-L14622	10/21/76-15	8-	6.1-C-	5.6	75-	8-3-6-4-6-2-2-1-2-4-2-3-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20
30-46	0564-114	1911-2-12	0-L14623	10/21/76-16	10-	9.1-C-	6.1	81-	4-3-6-4-6-3-2-1-2-2-3-3-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20
30-46	0317-114	1894-2-12	0-L14624	10/21/76-16	8-	7.1-C-	5.7	99-	18-3-6-4-6-3-2-1-2-2-4-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.70
30-46	0364-114	1939-2-12	0-L14625	10/21/76-16	8-	6.9-C-	5.7	93-	9-3-6-4-6-3-2-1-2-4-4-2-1-	3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.20
30-46	0331-114	1992-2-12	0-L14626	10/22/76-10																														

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																								U CONCENTRATION				
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (µmho/cm)	SCINTILLOMETER (µCi 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																										
30-46,0328-114.2350-2-12-						0-L14637-10/22/76-13-	7-	6.1-C-	-	5.5-	55-	6-3-6-4-6-2-2-1-2-1-2-3-2-	-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.00	
30-46,0342-114.2292-2-12-						0-L14638-10/22/76-13-	10-	2.1-C-	-	5.6-	67-	10-3-6-4-6-2-2-1-2-2-4-2-2-	-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00	
30-46,0214-114.1869-2-12-						0-L14639-10/22/76-14-	7-	2.5-C-	-	5.2-	15-	7-3-6-4-6-2-2-1-2-3-4-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.80	
30-46,0175-114.1967-2-12-						0-L14640-10/22/76-15-	10-	3.9-C-	-	5.2-	21-	11-3-6-4-6-2-2-1-2-2-3-3-2-	-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.60	
30-46,0142-114.2544-2-12-						0-L14641-10/26/76-14-	9-	4.5-C-	-	5.2-	16-	12-3-6-4-6-2-2-1-2-1-5-3-2-	-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.60	
30-46,1053-114.2775-2-12-						0-L14642-10/26/76-15-	9-	5.2-C-	-	5.2-	13-	8-3-7-4-6-3-2-1-2-1-4-3-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
30-46,1206-114.3053-2-12-						0-L14643-10/26/76-16-	6-	4.6-C-	-	5.1-	13-	8-3-7-1-7-4-2-2-1-2-1-4-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00	
30-46,1244-114.3500-2-15-						0-L14644-10/26/76-16-	4-	-C-	-	-	-	7-3-6-4-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10
30-46,1236-114.3181-2-15-						0-L14645-10/26/76-17-	6-	-C-	-	-	-	10-3-7-4-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50
30-46,1050-114.2778-2-12-						0-L14646-10/26/76-17-	6-	5.1-C-	-	5.2-	19-	2-3-6-4-7-2-2-1-2-2-4-2-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.90	
30-46,0033-114.1656-2-12-						0-L14647-10/27/76-10-	1-	3.1-C-	-	5.6-	85-	12-3-7-2-7-2-2-1-2-2-4-1-1-	-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50	
30-46,0047-114.1672-2-12-						0-L14648-10/27/76-10-	1-	2.2-C-	-	5.2-	25-	10-3-6-2-6-3-2-1-2-2-3-2-1-	-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.20	
30-46,0594-114.2642-2-15-						0-L14649-10/27/76-11-	3-	-C-	-	-	-	10-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30
30-46,0708-114.2519-2-12-						0-L14650-10/27/76-11-	2-	1.3-C-	-	5.3-	61-	8-3-3-3-2-2-1-2-1-4-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.80	
30-46,0761-114.2522-2-12-						0-L14651-10/27/76-12-	3-	1.9-C-	-	5.3-	34-	9-3-6-2-6-3-2-1-2-2-3-3-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.00	
30-46,0819-114.2583-2-15-						0-L14652-10/27/76-12-	7-	-C-	-	-	-	7-3-6-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.10
30-46,0858-114.2581-2-15-						0-L14653-10/27/76-12-	6-	-C-	-	-	-	5-3-6-4-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70
30-46,1275-114.3581-2-15-						0-L14654-10/27/76-13-	7-	-C-	-	-	-	5-3-6-5-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90
30-46,1283-114.3661-2-15-						0-L14655-10/27/76-14-	7-	-C-	-	-	-	4-3-7-4-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.90
30-46,1317-114.3706-2-15-						0-L14656-10/27/76-14-	6-	-C-	-	-	-	11-3-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80
30-46,1344-114.3839-2-15-						0-L14657-10/27/76-14-	6-	-C-	-	-	-	9-3-6-5-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.20
30-46,1333-114.3942-2-15-						0-L14658-10/27/76-14-	6-	-C-	-	-	-	8-3-7-4-7-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.80
30-46,1389-114.4075-2-12-						0-L14659-10/27/76-15-	4-	4.9-C-	-	5.2-	9-	5-3-7-1-7-4-2-1-2-1-4-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
30-46,1436-114.4517-2-12-						0-L14660-10/27/76-15-	3-	1.9-C-	-	5.2-	10-	8-3-6-2-6-3-2-1-2-1-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.30	
30-46,1400-114.4456-2-12-						0-L14661-10/27/76-16-	5-	3.2-C-	-	5.1-	11-	6-3-1-4-1-2-2-1-2-2-4-2-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.70	
30-46,1153-114.2531-2-15-						0-L14662-10/27/76-16-	7-	-C-	-	-	-	8-3-6-3-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.40
30-46,1194-114.2539-2-12-						0-L14663-10/27/76-17-	4-	2.9-C-	-	5.2-	39-	3-3-6-4-6-2-2-1-2-2-4-4-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.80	
30-46,1250-114.2544-2-12-						0-L14664-10/27/76-17-	3-	4.5-C-	-	5.6-	70-	4-3-6-4-6-2-2-1-2-3-4-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.60	
30-46,8050-114.1028-2-15-						0-L14665-10/28/76-10-	3-	-C-	-	-	-	8-2-7-7-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50
30-46,7850-114.1025-2-15-						0-L14666-10/28/76-10-	1-	-C-	-	-	-	10-2-7-7-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.50
30-46,8367-114.1058-2-12-						0-L14667-10/28/76-11-	2-	6.1-C-	-	6.8-	280-	9-2-7-5-8-2-2-1-2-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
30-46,8572-114.1414-2-15-						0-L14668-10/28/76-11-	8-	-C-	-	-	-	4-2-7-7-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90
30-46,8528-114.1425-2-12-						0-L14669-10/28/76-12-	4-	1.1-C-	-	6.9-	270-	7-2-7-5-8-2-2-1-2-4-3-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
30-46,8553-114.1553-2-12-						0-L14670-10/28/76-12-	5-	3.1-C-	-	7.2-	410-	4-2-7-5-8-2-2-1-2-1-3-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.90	
30-46,8539-114.1656-2-12-						0-L14671-10/28/76-13-	3-	1.8-C-	-	6.5-	253-	6-2-6-5-8-3-2-1-2-2-5-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10	
30-46,8533-114.1639-2-15-						0-L14672-10/28/76-13-	4-	-C-	-	-	-	7-2-6-5-8-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70
30-46,7583-114.1206-2-15-						0-L14673-10/28/76-14-	7-	-C-	-	-	-	6-2-6-5-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20
30-46,7269-114.3347-2-12-						0-L14674-10/29/76-14-	8-	4.1-C-	-	5.5-	31-	9-3-6-4-6-2-2-1-2-1-4-3-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.00	
30-46,6808-114.3556-2-12-						0-L14675-10/29/76-14-	5-	2.8-C-	-	5.2-	20-	7-3-6-4-6-3-2-1-2-1-3-5-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.00	
30-46,7450-114.3389-2-15-						0-L14676-10/29/76-15-	12-	-C-	-	-	-	9-2-7-7-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.10
30-46,7472-114.3275-2-15-						0-L14677-10/29/76-15-	13-	-C-	-	-	-	7-2-7-7-6-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70
30-46,7442-114.3431-2-12-						0-L14678-11/01/76-10-	8-	4.1-C-	-	5.7-	37-	9-2-7-5-6-3-2-2-2-1-4-3-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.20	
30-46,7453-114.3508-2-12-						0-L14679-11/01/76-11-	8-	4.2-C-	-	5.6-	28-	6-2-6-4-6-2-2-2-2-1-4-2-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30	
30-46,7450-114.3531-2-12-						0-L14680-11/01/76-11-	7-	4.2-C-	-	5.2-	25-	7-2-7-4-6-3-2-2-2-2-1-5-4-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30	
30-46,7458-114.3528-2-15-						0-L14681-11/01/76-11-	7-	-C-	-	-	-	7-2-7-5-8-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.90
30-46,7539-114.2472-2-12-						0-L14682-11/01/76-14-	9-	5.9-C-	-	6.3-	95-	9-2-7-5-8-2-2-1-2-4-5-2-5-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.30	
30-46,7494-114.2250-2-12-						0-L14683-11/02/76-11-	7-	2.9-C-	-	5.2-	31-	15-3-6-4-6-3-2-1-2-1-4-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.80	
30-46,7136-114.1467-2-15-						0-L14684-11/02/76-12-	7-	-C-	-	-	-	5-2-6-5-6-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20
30-46,0019-114.0411-2-12-						0-L14685-11/24/76-15-	8-	2.9-C-	-	6.9-	241-	19-3-6-5-6-2-2-1-2-3-5-																						

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (dL ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
30-46	0117-114	0236-2-12				0-L14688	11/24/76	17	3	1.2-C		6.3	171	19-3-6-4-6-3-2-1-2-3-5-4-4	1																		8.30	
30-46	0042-114	0272-2-12				0-L14689	11/24/76	17	1	1.1-C		6.5	155	19-3-6-4-6-3-2-1-2-3-5-4-4	1																		10.10	
30-46	1122-114	0081-2-12				0-L14690	11/25/76	9	1	2.1-C		6.1	100	21-3-6-4-6-3-2-1-2-3-4-3-3	1																		13.70	
30-46	1158-114	0014-2-15				0-L14691	11/25/76	10	1	-C				19-2-6-5-6-2-2-1-2-3-5-5-3	1																		5.20	
30-46	1053-114	0039-2-11				0-L14692	11/25/76	10	1	4.5-C		7.1	650	26-2-7-4-6-3-3-1-2-3-3-5-3	1																		3.40	
30-46	1058-114	0056-2-12				0-L14693	11/25/76	10	1	8.2-C		6.3	170	26-2-7-4-7-3-2-1-2-3-3-5-3	1																		8.80	
30-46	1100-114	0028-2-12				0-L14694	11/25/76	11	1	0.5-C		6.3	51	15-2-6-4-6-3-2-1-2-2-4-3-3	1																		8.70	
30-46	1131-114	0117-2-12				0-L14695	11/25/76	11	1	3.2-C		6.0	87	14-2-6-5-6-2-2-1-2-3-5-5-3	1																		9.00	
30-46	1175-114	0153-2-12				0-L14696	11/25/76	12	1	3.1-C		5.8	90	19-2-6-5-6-2-2-1-2-3-5-5-3	1																		21.40	
30-46	1214-114	0172-2-12				0-L14697	11/25/76	12	1	3.2-C		6.4	215	19-2-6-3-6-2-2-1-2-3-3-5-3	1																		25.10	
30-46	1233-114	0228-2-12				0-L14698	11/25/76	12	1	1.5-C		6.3	135	22-2-6-4-6-2-2-1-2-3-5-5-3	1																		22.90	
30-46	0217-114	0142-2-12				0-L14699	11/30/76	11	1	0.5-C		5.4	99	10-2-6-3-6-2-2-1-2-3-4-3-3	1																		4.90	
30-46	0317-114	0136-2-12				0-L14700	11/30/76	12	1	0.5-C		6.1	130	17-3-6-3-6-2-2-1-2-1-5-3-3	1																		2.70	
30-46	0350-114	0075-2-12				0-L14701	11/30/76	12	2	1.1-C		6.3	122	17-2-6-5-6-2-2-1-2-3-3-4-3	1																		4.90	
30-46	0381-114	0092-2-12				0-L14702	11/30/76	13	1	0.3-C		6.5	119	12-3-6-4-6-2-2-1-2-3-5-4-3	1																		5.20	
30-46	0408-114	0097-2-12				0-L14703	11/30/76	13	1	0.5-C		6.4	122	15-3-6-4-6-2-2-1-2-1-4-4-3	1																		6.60	
30-46	0428-114	0111-2-12				0-L14704	11/30/76	14	1	0.5-C		6.6	108	21-3-6-4-6-2-2-1-2-1-5-4-3	1																		6.10	
30-46	0525-114	0153-2-12				0-L14705	11/30/76	14	1	0.4-C		6.3	91	14-3-7-4-6-2-2-1-2-1-5-4-3	1																		2.80	
30-46	0547-114	0197-2-12				0-L14706	11/30/76	14	1	0.5-C		6.4	99	12-3-6-4-6-2-2-1-2-3-4-4-3	1																		9.10	
30-46	0525-114	0297-2-12				0-L14707	11/30/76	15	1	1.2-C		6.6	160	15-3-6-4-6-2-2-1-2-3-5-3-3	1																		8.60	
30-46	0461-114	0150-2-11				0-L14708	11/30/76	15	2	5.2-C		6.7	189	12-3-6-4-6-2-2-1-2-1-3-5-3	1																		3.70	
30-46	0217-114	1553-2-15				0-L14709	12/01/76	10	3	-C				24-3-6-4-6-2-2-1-2-4-3-3-1	3																		4.70	
30-46	0214-114	1575-2-15				0-L14710	12/01/76	11	3	-C				21-3-6-4-6-2-2-1-2-4-3-3-1	3																		2.50	
30-46	0247-114	1419-2-12				0-L14711	12/01/76	11	3	2.1-C		6.9	430	21-3-6-4-6-2-2-1-2-1-5-4-1	1																		6.00	
30-46	0358-114	1244-2-12				0-L14712	12/01/76	12	4	0.2-C		7.2	418	14-3-7-5-8-2-2-1-2-3-3-4-1	3																		3.90	
30-46	0353-114	1169-2-15				0-L14713	12/01/76	12	4	-C				21-2-7-5-6-2-2-1-2-2-5-5-1	1																		3.40	
30-46	0369-114	1125-2-12				0-L14714	12/01/76	13	4	0.3-C		7.2	422	21-2-7-5-8-2-2-1-2-1-3-4-1	1																		5.30	
30-46	0358-114	1081-2-15				0-L14715	12/01/76	13	4	-C				24-2-6-5-6-2-2-1-2-3-5-5-1	1																		3.70	
30-46	0453-114	0958-2-12				0-L14716	12/01/76	14	4	0.5-C		6.6	310	21-2-7-5-8-3-2-1-2-2-5-4-1	1																		3.80	
30-46	0317-114	1294-2-15				0-L14717	12/01/76	14	1	-C				22-2-7-5-8-2-2-1-2-1-3-4-1	3																		4.60	
30-46	1081-114	1661-2-15				0-L14718	12/01/76	15	1	-C				14-2-6-7-6-2-2-1-2-3-3-4-1	3																		3.60	
30-46	0975-114	1622-2-15				0-L14719	12/03/76	10	2	-C				14-2-7-5-6-2-2-1-2-1-3-4-1	3																		2.30	
30-46	1022-114	1517-2-15				0-L14720	12/03/76	10	3	-C				17-2-7-5-6-2-2-1-2-3-4-4-1	3																		2.80	
30-46	1036-114	1397-2-15				0-L14721	12/03/76	11	4	-C				8-3-6-4-6-2-2-1-2-1-4-3-1	3																		20.00	
30-46	1028-114	1389-2-15				0-L14722	12/03/76	11	4	-C				21-3-7-4-8-2-2-1-2-1-3-4-1	3																		3.70	
30-46	0967-114	1444-2-15				0-L14723	12/03/76	12	4	-C				19-2-6-5-6-2-2-1-2-2-5-3-1	3																		7.30	
30-46	1647-114	1514-2-15				0-L14724	11/24/76	12	13	-C				2-2-6-7-6-2-2-1-2-3-2-3-2	3																		7.00	
30-46	1597-114	1375-2-15				0-L14725	11/24/76	13	14	-C				6-2-6-4-6-2-2-1-2-3-2-3-3	3																		4.80	
30-46	1536-114	1256-2-15				0-L14726	11/24/76	13	15	-C				6-2-7-4-6-2-2-1-2-3-3-3-2	3																		6.10	
30-46	1494-114	1183-2-15				0-L14727	11/24/76	13	15	-C				9-2-7-4-6-2-2-1-2-3-3-3-3	3																		8.10	
30-46	1442-114	1158-2-11				0-L14728	11/24/76	14	15	6.0-C		6.7	319	3-2-7-4-7-2-2-1-1-2-3-2-3	3																		17.10	
30-46	1464-114	1050-2-15				0-L14729	11/24/76	14	15	-C				5-2-7-4-7-2-2-1-2-3-3-3-3	3																		3.70	
30-46	1467-114	0992-2-15				0-L14730	11/24/76	14	17	-C				2-2-7-4-7-2-2-1-2-3-2-3-3	3																		5.60	
30-46	1411-114	1003-2-15				0-L14731	11/24/76	14	18	-C				4-2-7-3-6-2-2-1-2-1-3-4-3	3																		3.80	
30-46	1411-114	1050-2-15				0-L14732	11/24/76	14	18	-C				4-2-7-4-7-2-2-1-2-1-4-4-3	3																		2.50	
30-46	1450-114	0922-2-15				0-L14733	11/24/76	15	19	-C				3-2-7-4-6-2-2-1-2-3-3-3-3	3																		13.70	
30-46	1436-114	0783-2-12				0-L14734	11/26/76	14	9	0.8-C		6.6	346	2-2-6-4-6-2-2-1-2-3-3-4-3	3																		10.00	
30-46	1419-114	0747-2-12				0-L14735	11/26/76	15	9	1.0-C		6.8	405	6-2-6-5-6-2-2-1-2-3-3-3-3	3																		5.70	
30-46	1408-114	0750-2-15				0-L14736	11/26/76	15	8	-C				2-2-6-5-6-2-2-1-2-1-4-4-2	1																		4.30	
30-46	1364-114	0700-2-15				0-L14737	11/26/76	15	8	-C				5-2-6-4-6-2-2-1-2-1-5-5-3	1																		14.30	
30-46	1331-114	0575-2-15				0-L14738	11/26/76	16	8	-C				4-2-6-4-6-2-2-1-2-1-3-5-2	1																		10.40	

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

DOE SAMPLE NUMBER						LASL SAMPLE NUMBER AND FIELD DATA																				U CONCENTRATION								
STATE	LATITUDE	LONGITUDE	DOE LAB	SAMPLE TYPE	REPLICATE	LASL SAMPLE NUMBER	TIME SAMPLED		AIR TEMPERATURE	WATER TEMPERATURE	COMMENTS	SPECIAL MEASUREMENTS	pH	SPECIFIC CONDUCTANCE (umho/cm)	SCINTILLOMETER (cU ppm)	ROCK TYPE	ROCK COLOR	SEDIMENT TYPE	SEDIMENT COLOR	WATER FLOW	WATER LEVEL	WATER COLOR	STREAM CHANNEL	VEGETATION TYPE	VEGETATION DENSITY	RELIEF	WEATHER	OWNERSHIP	CONTAMINANTS	WELL TYPE	WELL DIAMETER (INCHES)	WELL DEPTH (FEET)	WATER DEPTH (FEET)	SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm
							DATE	HOUR																										
30-46	1317-114	0475-2-15-	0-L14739-11/26/76-16-	4-	-C-	-	-	-	-	-	-	-	-	-	10-2-6-4-6-	-1-	-2-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.80		
30-46	1300-114	0475-2-12-	0-L14740-11/26/76-16-	2-	0.5-C-	-	5.9-	172-	-	-	-	-	-	-	3-2-6-4-6-	2-2-1-	-2-1-3-5-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.80	
30-46	1269-114	0322-2-15-	0-L14741-11/26/76-17-	1-	-C-	-	-	-	-	-	-	-	-	-	5-2-6-4-6-	-1-	-2-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.40	
30-46	1256-114	0317-2-12-	0-L14742-11/26/76-17-	1-	0.5-C-	-	5.7-	90-	-	-	-	-	-	-	4-2-6-4-6-	2-2-1-	-2-1-4-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.60	
30-46	1281-114	0406-2-15-	0-L14743-11/26/76-18-	1-	-C-	-	-	-	-	-	-	-	-	-	6-2-6-4-6-	-1-	-2-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.00	
30-46	1792-114	0761-2-15-	0-L14744-12/02/76-14-	6-	-C-	-	-	-	-	-	-	-	-	-	4-2-7-5-6-	-1-	-2-3-3-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.60	
30-46	1808-114	0839-2-15-	0-L14745-12/02/76-14-	6-	-C-	-	-	-	-	-	-	-	-	-	4-2-7-5-6-	-1-	-2-3-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.50	
30-46	1819-114	0892-2-15-	0-L14746-12/02/76-15-	6-	-C-	-	-	-	-	-	-	-	-	-	7-2-7-4-6-	-1-	-2-4-4-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
30-46	1828-114	0967-2-15-	0-L14747-12/02/76-15-	6-	-C-	-	-	-	-	-	-	-	-	-	9-2-6-4-6-	-1-	-2-4-4-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.20	
30-46	1817-114	1083-2-12-	0-L14748-12/02/76-15-	6-	1.0-C-	-	6.8-	410-	-	-	-	-	-	-	9-2-6-4-6-	2-2-1-	-2-4-4-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.30	
30-46	1839-114	1250-2-14-	0-L14749-12/02/76-16-	5-	1.0-C-	-	6.3-	282-	-	-	-	-	-	-	4-2-6-4-6-1-3-	-1-	-4-4-2-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.00	
30-46	1772-114	0669-2-15-	0-L14750-12/02/76-16-	2-	-C-	-	-	-	-	-	-	-	-	-	1-2-7-4-6-	-1-	-2-4-4-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
30-46	1756-114	0583-2-15-	0-L14751-12/02/76-17-	2-	-C-	-	-	-	-	-	-	-	-	-	4-2-7-4-6-	-1-	-2-4-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.40	
30-46	1775-114	0494-2-12-	0-L14752-12/02/76-17-	1-	1.8-C-	-	6.5-	295-	-	-	-	-	-	-	6-2-7-5-6-	2-2-1-	-2-3-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
30-46	1750-114	0542-2-15-	0-L14753-12/04/76-11-	2-	-C-	-	-	-	-	-	-	-	-	-	4-2-7-4-7-	-1-	-2-4-4-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.60	
30-46	1728-114	0411-2-15-	0-L14754-12/04/76-11-	2-	-C-	-	-	-	-	-	-	-	-	-	5-3-7-5-6-	-1-	-2-3-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
30-46	1700-114	0444-2-15-	0-L14755-12/04/76-11-	3-	-C-	-	-	-	-	-	-	-	-	-	7-3-7-4-7-	-1-	-2-1-3-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.30	
30-46	1711-114	0347-2-12-	0-L14756-12/04/76-12-	5-	4.1-C-	-	6.5-	447-	-	-	-	-	-	-	5-3-1-4-7-2-2-1-	-2-3-3-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00		
30-46	1678-114	0367-2-15-	0-L14757-12/04/76-12-	6-	-C-	-	-	-	-	-	-	-	-	-	8-3-1-3-7-	-1-	-2-1-3-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10	
30-46	1669-114	0336-2-15-	0-L14758-12/04/76-13-	6-	-C-	-	-	-	-	-	-	-	-	-	6-3-1-4-6-	-1-	-2-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
30-46	1619-114	0203-2-12-	0-L14759-12/04/76-13-	6-	2.0-C-	-	6.2-	202-	-	-	-	-	-	-	4-3-7-4-6-	2-2-1-	-2-1-3-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19.20	
30-46	1650-114	0153-2-12-	0-L14760-12/04/76-14-	6-	2.1-C-	-	6.5-	489-	-	-	-	-	-	-	9-3-7-4-7-2-2-1-	-2-1-3-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20		
30-46	1614-114	0136-2-12-	0-L14761-12/04/76-14-	7-	2.8-C-	-	6.6-	419-	-	-	-	-	-	-	6-3-7-4-6-	2-2-1-	-2-1-4-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.50	
30-46	1594-114	0033-2-12-	0-L14762-12/04/76-14-	6-	3.2-C-	-	6.3-	210-	-	-	-	-	-	-	10-3-1-4-6-	2-2-1-	-1-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.10	
30-46	1600-114	0019-2-12-	0-L14763-12/04/76-14-	7-	2.8-C-	-	6.2-	179-	-	-	-	-	-	-	7-3-1-4-6-3-3-1-	-2-4-4-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.50		
30-46	1678-114	0250-2-15-	0-L14764-12/04/76-15-	8-	-C-	-	-	-	-	-	-	-	-	-	4-2-7-4-6-	-1-	-2-3-4-3-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
30-46	1017-114	1556-2-11-	0-L14765-12/03/76-12-	-1-	3.1-C-	-	7.2-	489-	-	-	-	-	-	-	15-3-7-4-8-	2-2-1-	-2-2-3-2-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.60	
30-46	1247-114	1503-2-15-	0-L14766-12/03/76-12-	-2-	-C-	-	-	-	-	-	-	-	-	-	21-2-6-5-8-	-	-2-3-3-3-1-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.20	
30-46	1203-114	0994-2-12-	0-L14767-12/03/76-13-	-1-	1.5-C-	-	6.6-	345-	-	-	-	-	-	-	22-2-7-4-8-	2-2-1-	-2-3-4-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.00	
30-46	1211-114	0992-2-15-	0-L14768-12/03/76-13-	-1-	-C-	-	-	-	-	-	-	-	-	-	15-2-7-4-7-	-	-2-1-3-4-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.40	
30-46	1228-114	1086-2-15-	0-L14769-12/03/76-13-	-1-	-C-	-	-	-	-	-	-	-	-	-	21-2-1-4-6-	-	-2-1-2-5-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.90	
30-46	1103-114	1044-2-15-	0-L14770-12/03/76-14-	-2-	-C-	-	-	-	-	-	-	-	-	-	15-2-6-5-6-	-	-2-1-3-5-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.20	
30-46	1036-114	1003-2-15-	0-L14771-12/03/76-14-	-2-	-C-	-	-	-	-	-	-	-	-	-	17-2-7-5-6-	-	-2-1-3-5-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.20	
30-46	1028-114	1006-2-15-	0-L14772-12/03/76-15-	-1-	-C-	-	-	-	-	-	-	-	-	-	15-2-7-5-8-	-	-2-1-3-5-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.50	
30-46	1011-114	0967-2-12-	0-L14773-12/03/76-15-	-1-	0.5-C-	-	6.4-	250-	-	-	-	-	-	-	17-2-6-5-8-	2-2-1-	-2-2-3-3-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
30-46	1153-114	1128-2-15-	0-L14774-12/03/76-15-	-1-	-C-	-	-	-	-	-	-	-	-	-	24-2-1-7-1-	-	-2-1-4-5-2-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.70	
30-46	1186-114	1186-2-15-	0-L14775-12/03/76-16-	-4-	-C-	-	-	-	-	-	-	-	-	-	17-2-6-5-6-	-	-2-1-3-5-2-	-9-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	
30-46	1244-114	1244-2-15-	0-L14776-12/03/76-15-	-4-	-C-	-	-	-	-	-	-	-	-	-	14-2-6-5-6-	-	-2-1-3-4-3-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.70	
30-46	0956-114	0889-2-15-	0-L14777-12/07/76-10-	-3-	-C-	-	-	-	-	-	-	-	-	-	24-2-7-5-6-	-	-2-1-3-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.10	
30-46	0933-114	0878-2-12-	0-L14778-12/07/76-11-	-2-	0.2-C-	-	6.4-	159-	-	-	-	-	-	-	19-2-7-5-8-	2-2-1-	-2-2-5-3-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.90	
30-46	0944-114	0892-2-15-	0-L14779-12/07/76-11-	-3-	-C-	-	-	-	-	-	-	-	-	-	19-2-6-4-6-	-	-2-1-5-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.40	
30-46	1047-114	0864-2-15-	0-L14780-12/07/76-12-	-4-	-C-	-	-	-	-	-	-	-	-	-	15-2-6-5-8-	-	-2-1-3-5-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.30	
30-46	1050-114	0803-2-11-	0-L14781-12/07/76-12-	-4-	6.9-C-	-	6.6-	330-	-	-	-	-	-	-	21-2-6-5-8-	2-2-1-	-2-3-4-5-1-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.50	
30-46	1044-114	0772-2-12-	0-L14782-12/07/76-13-	-4-	3.1-C-	-	6.6-	332-	-	-	-	-	-	-	12-2-6-5-8-	2-2-1-	-2-1-3-4-4-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.80	
30-46	1044-114	0756-2-15-	0-L14783-12/07/76-13-	-3-	-C-	-	-	-	-	-	-	-	-	-	14-2-6-5-6-	-	-2-1-3-5-3-	-1-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.80	
30-46	0358-114	1586-2-15-	0-L14784-12/08/76-10-	-5-	-C-	-	-	-	-	-	-	-	-	-	21-3-4-4-6-	-	-2-3-3-3-2-	-3-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.70	

APPENDIX D

CODE TO DATA LISTINGS

APPENDIX D-I

Explanation of Codes Used

APPENDIX D-II

Key to Sample Types

APPENDIX ITEM D-I

EXPLANATION OF CODES USED

DOE SAMPLE NUMBER

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

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

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

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

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

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

LASL SAMPLE NUMBER AND FIELD DATA

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

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

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

AIR TEMPERATURE: The temperature that was measured in the shade at the time of sampling, to the nearest whole degree Celsius (°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/Buf	4 = Pink/Red	7 = Gray
2 = Yellow	5 = Green	8 = Black
3 = Orange	6 = Brown	9 = Other

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX ITEM 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- μ membrane filter <u>and acidified</u> to a pH of <u><1</u> with reagent-grade nitric acid (HNO_3).
07 -	<u>Stream water</u> sample <u>filtered</u> through an 0.45- μ membrane filter <u>and acidified</u> to a pH of <u><1</u> with reagent-grade nitric acid (HNO_3).
08 -	<u>Well water</u> sample <u>filtered</u> through an 0.45- μ membrane filter <u>and acidified</u> to a pH of <u><1</u> with reagent-grade nitric acid (HNO_3).
09 -	<u>Natural pond water</u> sample <u>filtered</u> through an 0.45- μ membrane filter <u>and acidified</u> to a pH of <u><1</u> with reagent-grade nitric acid (HNO_3).
10 -	<u>Artificial pond water</u> sample <u>filtered</u> through an 0.45- μ membrane filter <u>and acidified</u> to a pH of <u><1</u> with reagent-grade nitric acid (HNO_3).
11 -	<u>Wet spring sediment</u> sample <u>dried</u> at <u><100°C</u> <u>and sieved to -100 mesh</u> through stainless steel sieves.
12 -	<u>Wet stream sediment</u> sample <u>dried</u> at <u><100°C</u> <u>and sieved to -100 mesh</u> through stainless steel sieves.
13 -	<u>Wet natural pond sediment</u> sample <u>dried</u> at <u><100°C</u> <u>and sieved to -100 mesh</u> through stainless steel sieves.
14 -	<u>Wet artificial pond sediment</u> sample <u>dried</u> at <u><100°C</u> <u>and sieved to -100 mesh</u> through stainless steel sieves.
15 -	<u>Dry stream sediment</u> sample <u>dried</u> at <u><100°C</u> (if necessary) <u>and sieved to -100 mesh</u> through stainless steel sieves.
96 -	<u>Dry natural pond sediment</u> sample <u>dried</u> at <u><100°C</u> (if necessary) <u>and sieved to -100 mesh</u> 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

PLATE I

SAMPLE LOCATION OVERLAY FOR THE HAMILTON, MONTANA/IDAHO, NTMS QUADRANGLE

MONTANA/IDAHO, NTMS QUADRANGLE SAMPLE LOCATION OVERLAY FOR THE HAMILTON

48° 00'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
47° 50'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
47° 40'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
47° 30'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
47° 20'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
47° 10'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
47° 00'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
46° 50'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
46° 40'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
46° 30'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
46° 20'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
46° 10'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'
46° 00'	112° 00'	112° 10'	112° 20'	112° 30'	112° 40'	112° 50'	113° 00'	113° 10'	113° 20'	113° 30'	113° 40'	113° 50'	114° 00'

URANIUM CONCENTRATION OVERLAY FOR WATER SAMPLES
TAKEN IN THE HAMILTON, MONTANA/IDAHO, NTMS QUADRANGLE

TAKEN IN THE HAMILTON, MONTANA/IDAHO, NTMS QUADRANGLE URANIUM CONCENTRATION OVERLAY FOR WATER SAMPLES

SCALE 1:250,000

WELL WATER	SPRING WATER	ARTIFICIAL PODOL WATER	NATURAL LAKES WATER	GROUND WATER	TOTAL URANIUM (ppm)
○	◇	▽	△	□	≥ 5.0
○	◇	▽	△	□	0.51 - 1.00
○	◇	▽	△	□	1.01 - 2.00
○	◇	▽	△	□	2.01 - 5.00
○	◇	▽	△	□	5.01 - 10.00
○	◇	▽	△	□	10.01 - 20.00
○	◇	▽	△	□	20.01 - 40.00
○	◇	▽	△	□	> 40.00

URANIUM CONCENTRATION OVERLAY FOR SEDIMENT SAMPLES
TAKEN IN THE HAMILTON, MONTANA/IDAHO, NTMS QUADRANGLE