

GJBX-208 8U

LA-8011-MS

Informal Report

**Uranium Hydrogeochemical and Stream Sediment
Reconnaissance Data Release for the
Dubois NTMS Quadrangle, Idaho/Montana,
Including Concentrations of
Forty-Five Additional Elements**

MASTER

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

U. S. DEPARTMENT OF ENERGY

Assistant Secretary for Resource Applications

Grand Junction Office, Colorado

University of California



LOS ALAMOS SCIENTIFIC LABORATORY

Post Office Box 1663 Los Alamos, New Mexico 87545

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency Thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

An Affirmative Action/Equal Opportunity Employer

This work was supported by the US Department of Energy,
Division of Uranium Resources and Enrichment. Program Code B048.

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Department of Energy, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.

UNITED STATES
DEPARTMENT OF ENERGY
CONTRACT W-7408-ENG. 36

LA-8011-MS
Informal Report

UC-51
Issued : August 1980

**Uranium Hydrogeochemical and Stream Sediment
Reconnaissance of the
Dubois NTMS Quadrangle, Idaho/Montana,
Including Concentrations of
Forty-Five Additional Elements**

By
Carol M. LaDelfe

AND

Walter F. Sandoval - Fluorometric Analyses
David L. Gallimore - Arc-Source Emission Spectrography
Calvin J. Martell - X-Ray Fluorescence Analyses
Mary A. Fuka - Neutron Activation Analyses
Michael M. Denton - Delayed-Neutron Counting
Dixie Hanks - Data Base Management

U. S. DEPARTMENT OF ENERGY
Assistant Secretary for Resource Applications
Grand Junction Office, Colorado

DISCLAIMER
This book was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

CONTENTS

| | | |
|-----------------------|--|-----|
| LIST OF ILLUSTRATIONS | vi | |
| SUMMARY | 1 | |
| ACKNOWLEDGMENTS | 6 | |
| APPENDIX I | Listings of Field Data and Elemental Concentrations for Samples from the Dubois NTMS Quadrangle, Idaho/Montana | 7 |
| I-A | Listings of Field Data and Uranium Concentrations for Water Samples from the Dubois Quadrangle, Idaho/Montana | 8 |
| I-B | Listings of Field Data and Elemental Concentrations for Sediment Samples from the Dubois Quadrangle, Idaho/Montana | 29 |
| APPENDIX II | Standard LASL HSSR Procedures and Codes | 159 |
| II-A | Summary of Standard LASL HSSR Field and Analytical Procedures | 160 |
| II-B | Explanation of Codes Used in Appendix I | 165 |
| II-C | Key to Sample Types Listed in Appendix I | 170 |
| REFERENCES CITED | | 173 |

LIST OF ILLUSTRATIONS

Fig. No.

- | | | |
|----|--|---|
| 1. | Location map of Dubois NTMS quadrangle, Idaho/Montana. | 2 |
| 2. | Semilogarithmic histograms of uranium concentrations in water samples from the Dubois quadrangle, Idaho/Montana. | 3 |
| 3. | Histograms of uranium concentrations in sediment samples from the Dubois quadrangle, Idaho/Montana. | 4 |
| 4. | Histograms of thorium concentrations in sediment samples from the Dubois quadrangle, Idaho/Montana. | 5 |

Plate No.

- | | | |
|------|--|--------|
| I. | Geologic map of the Dubois NTMS quadrangle, Idaho/Montana | pocket |
| II. | Sample location overlay for the Dubois NTMS quadrangle, Idaho/Montana. | pocket |
| III. | Uranium concentrations (ppb) in waters--overlay to the Dubois NTMS quadrangle, Idaho/Montana. | pocket |
| IV. | Conductivities ($\mu\text{mho/cm}$) in waters--overlay to the Dubois NTMS quadrangle, Idaho/Montana. | pocket |
| V. | Uranium concentrations (ppm) in sediments--overlay to the Dubois NTMS quadrangle, Idaho/Montana. | pocket |
| VI. | Thorium concentrations (ppm) in sediments--overlay to the Dubois NTMS quadrangle, Idaho/Montana. | pocket |

URANIUM HYDROGEOCHEMICAL AND STREAM SEDIMENT RECONNAISSANCE
DATA RELEASE FOR THE DUBOIS NTMS QUADRANGLE, IDAHO/MONTANA,
INCLUDING CONCENTRATIONS OF FORTY-FIVE ADDITIONAL ELEMENTS

by

Carol M. LaDelfe

SUMMARY

This report presents uranium and other elemental data resulting from the Hydrogeochemical and Stream Sediment Reconnaissance (HSSR) of the Dubois NTMS quadrangle, Idaho/Montana (Fig. 1). The Los Alamos Scientific Laboratory (LASL) is responsible for conducting the HSSR primarily in the states of New Mexico, Colorado, Wyoming, Montana, and Alaska as part of the United States Department of Energy's National Uranium Resource Evaluation (NURE) program. The NURE program is designed to provide an improved estimate for the availability and economics of nuclear fuel resources in the United States and to make available to industry information for use in the development and production of uranium resources. The HSSR data will ultimately be integrated with data from other NURE programs (e.g., airborne radiometric surveys and geological investigations) to complete the program by 1988.

Totals of 1024 water samples and 1600 sediment samples were collected from 1669 locations in the Dubois quadrangle. Water samples were taken at streams, springs, and wells; sediment samples were collected from streams and springs. Samples from the Montana portion of the quadrangle were collected during late summer and early fall of 1976. Uranium analyses of these Montana waters and sediments have been open-filed in an earlier report (Broxton, 1978). Samples from the Idaho portion of the quadrangle were collected in the summer of 1979. Analytical data for these Idaho samples, including uranium analyses, are reported herein for the first time.

All field and analytical data are presented for waters in Appendix I-A and for sediments in I-B. These data are also available on magnetic tape from: GJOIS Project, Union Carbide Corporation National Depository (USS-ND), Computer Applications Department, 4500 North Building, Oak Ridge National Laboratory, P.O. Box X, Oak Ridge, Tennessee 37830. Standardized field and analytical procedures (Appendix II-A) were used to facilitate comparison with data from surrounding quadrangles.

The rear pocket of this report contains a geologic map (Plate I), a sample location overlay (Plate II), uranium concentration overlay for water samples (Plate III), conductivities ($\mu\text{mho/cm}$) in waters (Plate IV), uranium concentration overlay for sediment samples (Plate V), and thorium concentration overlay for sediment samples (Plate VI). All plates are 1:250 000 scale for use with the Dubois NTMS quadrangle sheet (U.S. Geological Survey, 1955). A 1:250 000 scale geologic map of the Idaho portion of the quadrangle is also available from the Idaho Bureau of Mines and Geology (Rember and Bennet, 1979).

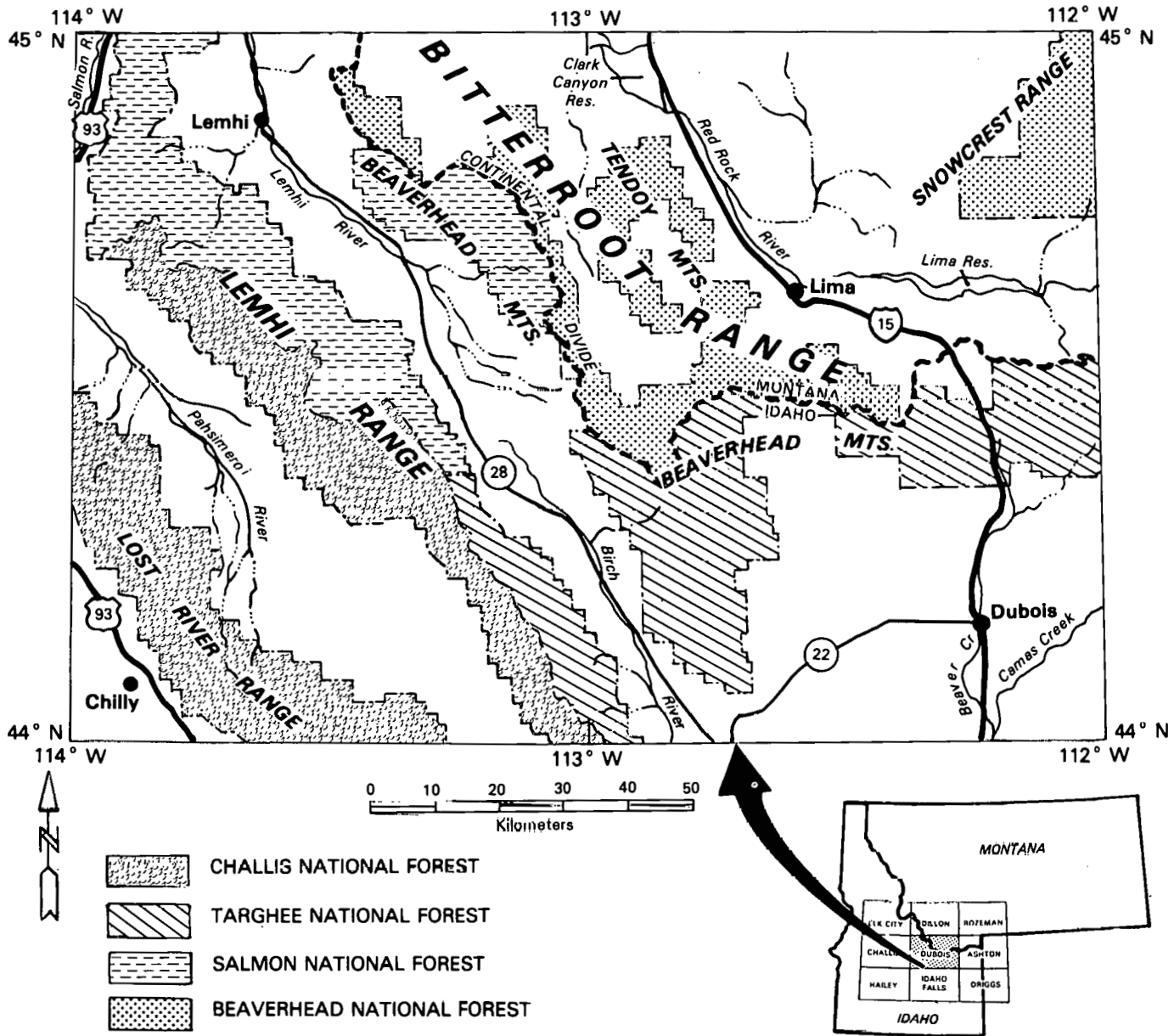
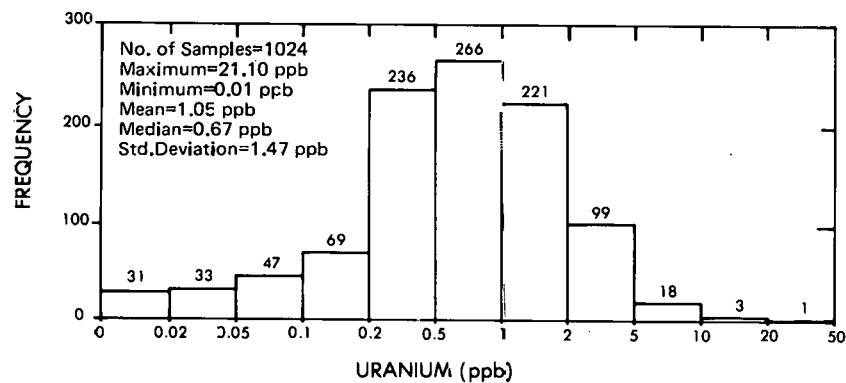


Fig. 1. Location map of Dubois NTMS quadrangle, Idaho/Montana.

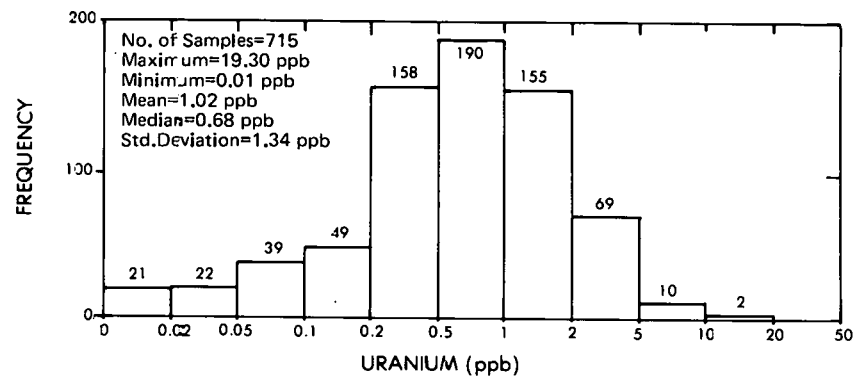
Statistical summaries and semilogarithmic histograms of uranium concentrations in all waters and in individual sample types are shown in Fig. 2. Figure 3 contains the statistical summaries and histograms of uranium concentrations in sediments and Fig. 4 contains that information for thorium concentrations in sediments.

All elemental analyses were performed at the LASL. Water samples were initially analyzed for uranium by fluorometry. All water samples containing more than the upper detection limit of uranium were reanalyzed by delayed-neutron counting (see Appendix II-A).

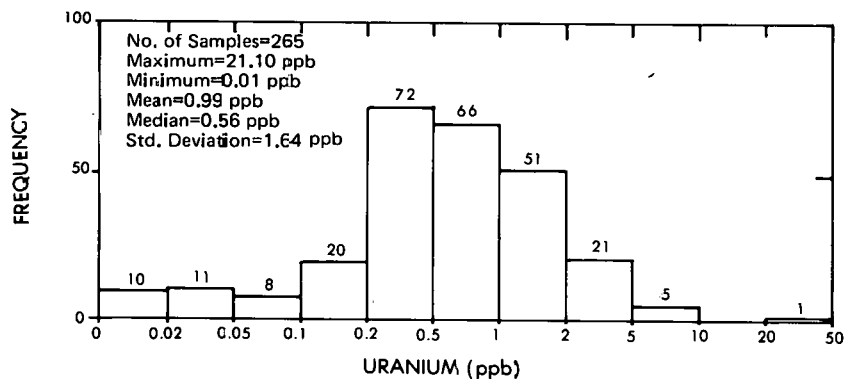
Sediments were analyzed for uranium and thorium as well as aluminum, antimony, arsenic, barium, beryllium, bismuth, cadmium, calcium, cerium,



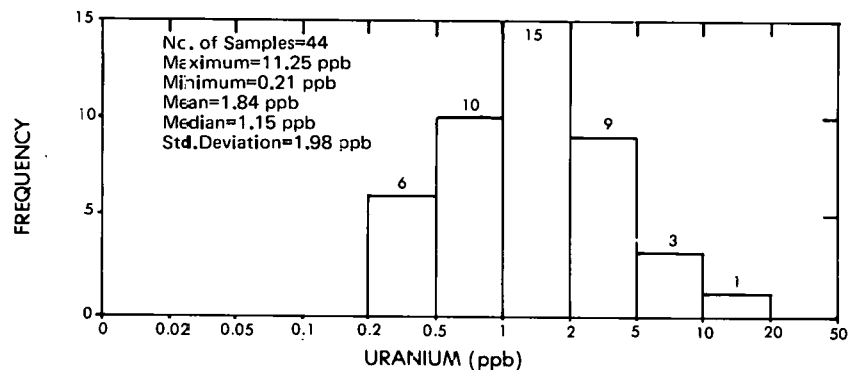
a. All waters



b. Stream waters

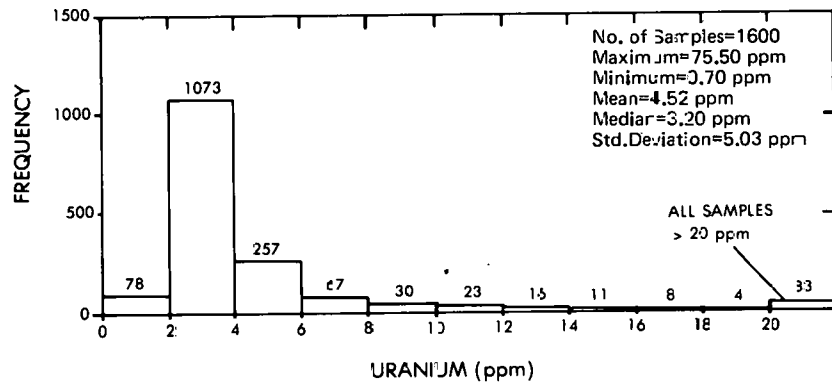


c. Spring waters

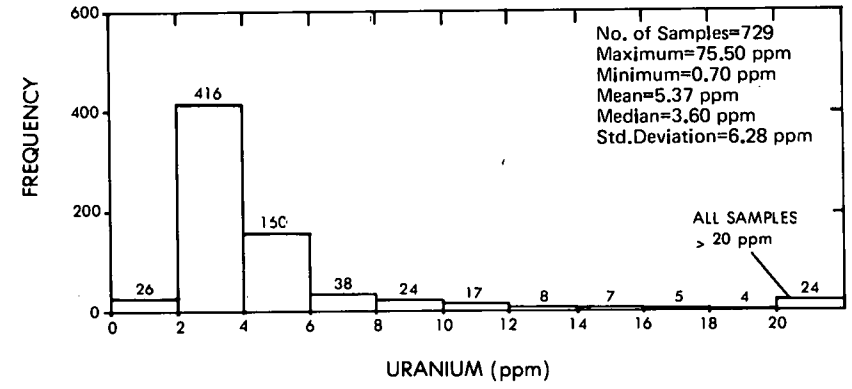


d. Well waters

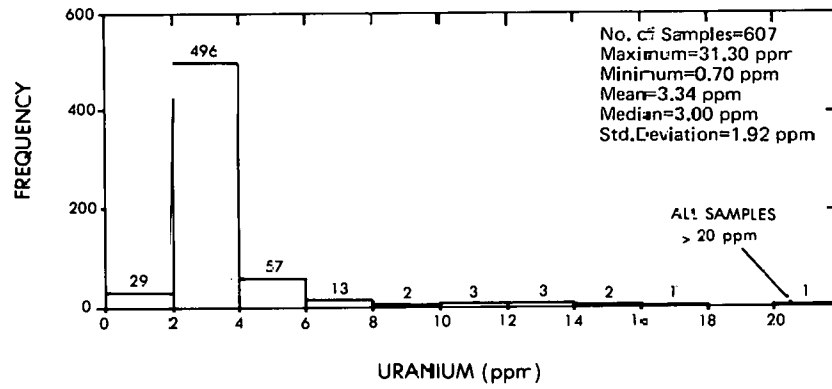
Fig. 2. Semilogarithmic histograms of uranium concentrations in water samples from the Dubois quadrangle, Idaho/Montana.



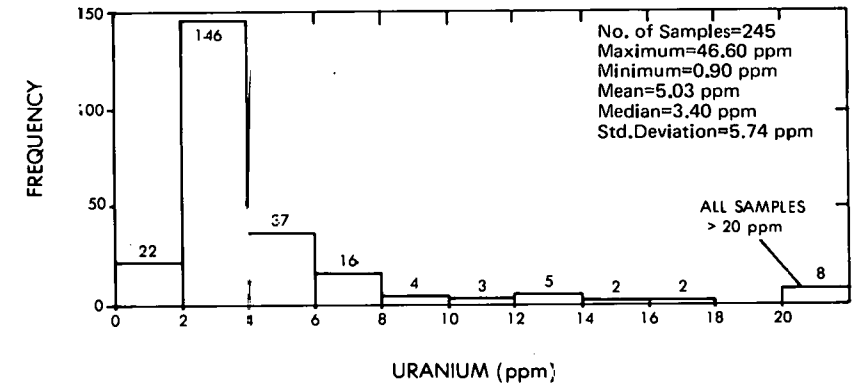
a. All sediments
 This histogram includes 19 dry spring sediment samples.



b. Wet stream sediments

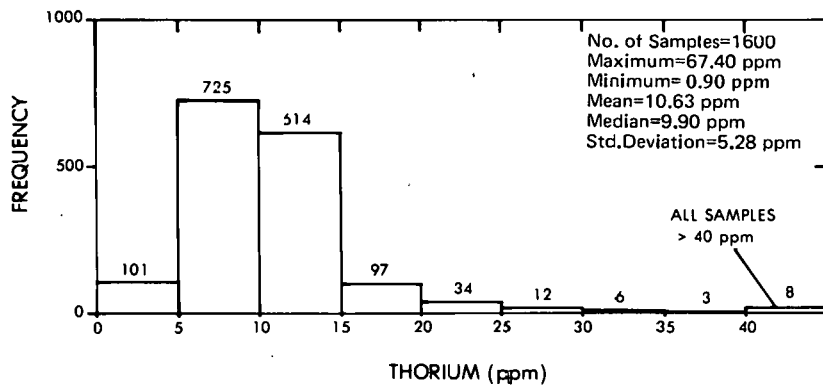


c. Dry stream sediments



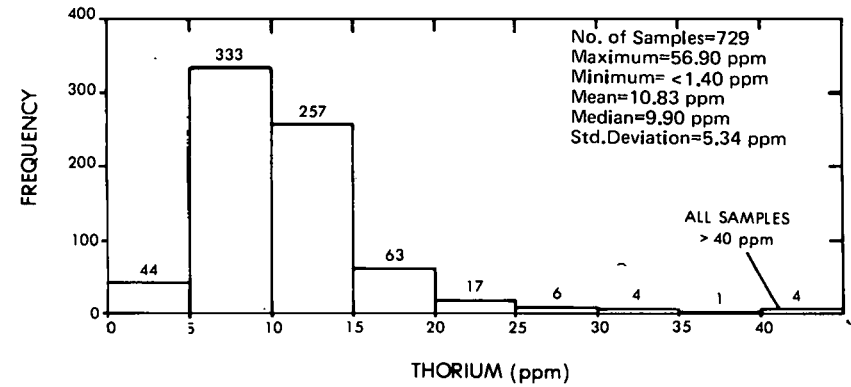
d. Wet spring sediments

Fig. 3. Histograms of Uranium concentrations in sediment samples from the Dubois quadrangle, Idaho/Montana.

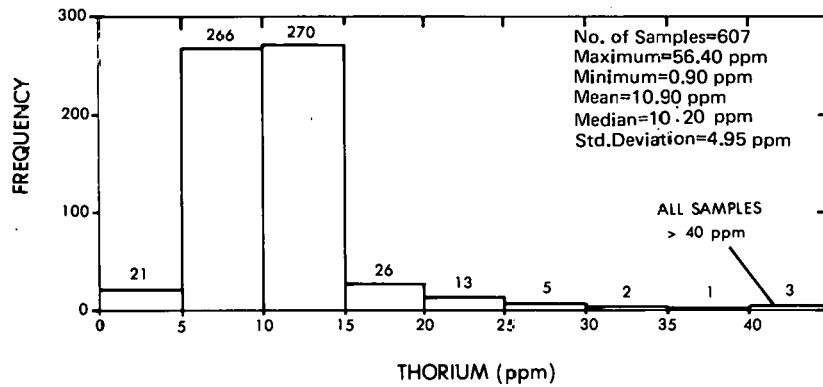


a. All sediments

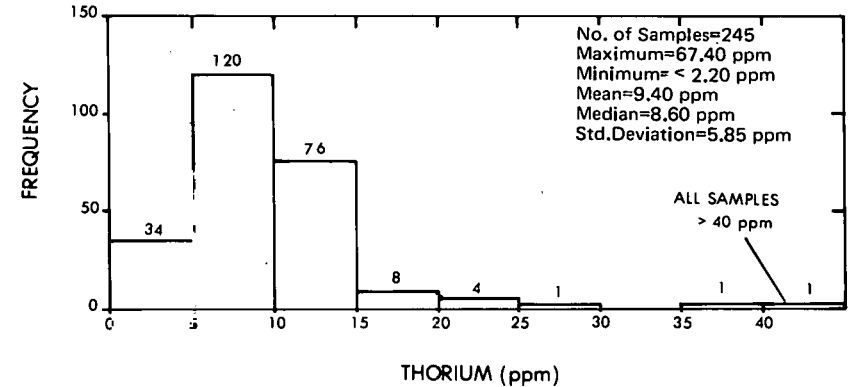
This histogram includes 19 dry spring sediment samples.



b. Wet stream sediments



c. Dry stream sediments



d. Wet spring sediments

Fig. 4. Histograms of thorium concentrations in sediment samples from the Dubois quadrangle, Idaho/Montana.

cesium, chlorine, chromium, cobalt, copper, dysprosium, europium, gold, hafnium, iron, lanthanum, lead, lithium, lutetium, magnesium, manganese, nickel, niobium, potassium, rubidium, samarium, scandium, selenium, silver, sodium, strontium, tantalum, terbium, tin, titanium, tungsten, vanadium, ytterbium, zinc and zirconium. All sediments were analyzed for uranium by delayed-neutron counting. Other elemental concentrations in sediments were determined by neutron-activation analysis for 30 elements, by x-ray fluorescence for 12 elements, and by arc-source emission spectrography for 2 elements. Analytical results for sediments are reported as parts per million (ppm).

This report is simply a data release and is intended to make the data available to the DOE and to the public as quickly as possible. Therefore, no discussion of the geology of the region, mineral occurrences, or data evaluation is included.

ACKNOWLEDGMENTS

The support and assistance of the following LASL groups and individuals are gratefully acknowledged: Nearly all water analyses and x-ray fluorescence and emission spectrometry of sediment samples were performed by the Analytical Chemistry Group directed by Glen R. Waterbury. All delayed-neutron counting and neutron activation analyses were performed by the Research Reactor Group under the direction of Merle E. Bunker. The Statistics Group led by Ray Waller managed the data base and provided statistics and graphic plots of the data. Special thanks are due the following members of the Geosciences Division: Tita Montoya who typed the report, Mary E. Luke who digitized latitudes and longitudes for all sample locations, and Mary Ann Olson and Allan MacKinnon who drafted the figures and plates. Sincere appreciation is also expressed to the U.S. Forest Service and individual landowners who granted access to lands under their control so that the survey could be completed.

APPENDIX I

LISTINGS OF FIELD DATA AND ELEMENTAL CONCENTRATIONS FOR SAMPLES
FROM THE DUBOIS NTMS QUADRANGLE, IDAHO/MONTANA

APPENDIX I-A

Listings of Field Data and Uranium Concentrations
for Water Samples from the Dubois Quadrangle, Idaho/Montana
(Pages 8 through 28)

(See Appendix II-B for Code to Listings)

APPENDIX I-A. Uranium Concentrations for Water Samples

| DOE SAMPLE NUMBER | | | | | | LAST SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-------------|--|------|-----------------|-------------------|----------|----------------------|--------|------------------------|--------------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | HORIZ. DATE | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH | CONDUCTIVITY (umho/cm) | SCINTILLOMETER (cpd/ppm) | ROCK TYPE | W/LX LULUX | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-44.9764 | -113.2519 | -2-07- | 0-L1R002 | 09/17/76 | 12-16 | 11.0 | C | - | 5.9 | - | 280 | 11-4 | -2-6-3 | 3-2-2 | 3-4-3 | 2-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.84 | | |
| 30-44.9814 | -113.2639 | -2-07- | 0-L1R003 | 09/17/76 | 12-18 | 15.8 | C | - | 6.3 | - | 1750 | 7-4 | -3-7-3 | 3-1-2 | 2-4-3 | 3-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 19.30* | | |
| 30-44.9631 | -113.3342 | -2-07- | 0-L1R004 | 09/17/76 | 12-15 | 11.0 | C | - | 5.5 | - | 110 | 9-1-6 | -3-1-4 | 3-1-2 | 3-3-4 | 2-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.47 | | |
| 30-44.9572 | -113.3906 | -2-07- | 0-L1R005 | 09/17/76 | 13-17 | 11.8 | C | - | 5.2 | - | 75 | 13-4 | -3-6-4 | 3-1-2 | 2-4-4 | 4-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.10 | | |
| 30-44.9592 | -113.4017 | -2-07- | 0-L1R006 | 09/17/76 | 13-16 | 10.8 | C | - | 5.7 | - | 110 | 7-4 | -3-6-3 | 3-1-2 | 2-3-3 | 3-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.24 | | |
| 30-44.9719 | -113.4369 | -2-07- | 0-L1R007 | 09/17/76 | 14-5 | 11.2 | C | - | 5.5 | - | 60 | 5-4 | -3-1-2 | 3-1-2 | 3-2-5 | 2-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.10 | | |
| 30-44.9875 | -112.7528 | -2-07- | 0-L1R009 | 09/18/76 | 14-15 | 8.0 | C | - | 5.7 | - | 600 | 6-4 | -4-7-3 | 2-1-2 | 2-2-3 | 3-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.09 | | |
| 30-44.9883 | -112.7519 | -2-07- | 0-L1R010 | 09/18/76 | 14-15 | 8.5 | C | - | 5.7 | - | 420 | 8-4 | -4-6-3 | 2-2-2 | 2-2-3 | 3-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.74 | | |
| 30-44.9893 | -112.6681 | -2-07- | 0-L1R011 | 09/21/76 | 13-19 | 11.4 | C | - | 6.5 | - | 1500 | 11-4 | -5-6-2 | 3-1-2 | 2-4-4 | 3-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.99 | | |
| 30-44.9852 | -112.0761 | -2-07- | 0-L1R020 | 09/21/76 | 13-19 | 10.0 | C | - | 6.3 | - | 1300 | 9-4 | -5-6-2 | 3-1-2 | 2-4-4 | 2-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.66 | | |
| 30-44.9858 | -112.0767 | -2-07- | 0-L1R021 | 09/21/76 | 13-19 | 12.0 | C | - | 6.5 | - | 2500 | 5-4 | -5-6-2 | 3-1-2 | 2-4-4 | 2-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.28 | | |
| 30-44.9356 | -113.1075 | -2-07- | 0-L1R022 | 09/21/76 | 14-16 | 9.6 | C | - | 5.7 | - | 210 | 5-4 | -3-7-4 | 3-1-2 | 2-2-3 | 4-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.46 | | |
| 30-44.9208 | -113.1014 | -2-07- | 0-L1R023 | 09/21/76 | 15-18 | 10.8 | C | - | 5.7 | - | 200 | 9-1-6 | -3-6-4 | 3-1-2 | 2-2-3 | 4-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.38 | | |
| 30-44.9081 | -113.0675 | -2-07- | 0-L1R024 | 09/21/76 | 16-21 | 9.8 | C | - | 5.7 | - | 210 | 11-4 | -3-6-4 | 3-1-2 | 2-3-3 | 4-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.26 | | |
| 30-44.9069 | -113.0306 | -2-07- | 0-L1R025 | 09/21/76 | 16-20 | 9.8 | C | - | 5.7 | - | 240 | 11-4 | -4-6-4 | 3-1-2 | 2-3-2 | 3-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.34 | | |
| 30-44.8222 | -112.2889 | -2-07- | 0-L1R028 | 09/22/76 | 10-11 | 7.8 | C | - | 5.2 | - | 60 | 5-4 | -3-4-3 | 3-1-2 | 2-3-3 | 3-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.17 | | |
| 30-44.8163 | -113.2853 | -2-07- | 0-L1R029 | 09/22/76 | 10-11 | 6.8 | C | - | 5.2 | - | 70 | 5-4 | -3-6-4 | 3-1-2 | 2-3-4 | 4-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.10 | | |
| 30-44.8514 | -113.2750 | -2-07- | 0-L1R030 | 09/22/76 | 11-13 | 9.8 | C | - | 5.7 | - | 180 | 9-4 | -4-6-2 | 3-1-2 | 2-3-3 | 4-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.52 | | |
| 30-44.9861 | -112.9767 | -2-07- | 0-L1R033 | 09/16/76 | 9-11 | 10.3 | C | - | 5.7 | - | 500 | 6-4 | -5-6-3 | 3-3-2 | 2-4-3 | 1-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.69 | | |
| 30-44.8654 | -112.2500 | -2-07- | 0-L1R037 | 09/29/76 | 14-22 | 10.0 | C | - | 5.7 | - | 550 | 6-4 | -4-6-2 | 3-2-2 | 2-4-3 | 2-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.45 | | |
| 30-44.8592 | -112.2964 | -2-07- | 0-L1R038 | 09/29/76 | 14-22 | 8.5 | C | - | 5.7 | - | 430 | 4-4 | -4-8-2 | 3-1-2 | 2-3-3 | 3-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.77 | | |
| 30-44.8267 | -112.2764 | -2-07- | 0-L1R039 | 09/29/76 | 15-22 | 10.0 | C | - | 5.9 | - | 320 | 6-4 | -3-6-3 | 3-1-2 | 2-3-4 | 4-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.33 | | |
| 30-44.9461 | -112.2636 | -2-06- | 0-L1R042 | 09/30/76 | 16-22 | 18.0 | C | - | 6.0 | - | 320 | 6-4 | -4-6-2 | 2-2-2 | -4-2 | 4-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.68 | | |
| 30-44.7722 | -112.3019 | -2-07- | 0-L1R043 | 10/05/76 | 10-10 | 10.0 | C | - | 5.9 | - | 420 | 6-4 | -3-6-2 | 2-1-2 | 2-4-3 | 3-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.36 | | |
| 30-44.8411 | -113.3083 | -2-07- | 0-L1R044 | 09/22/76 | 11-13 | 8.6 | C | - | 5.7 | - | 170 | 13-4 | -3-6-4 | 3-1-2 | 2-3-3 | 4-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.47 | | |
| 30-44.8736 | -113.3000 | -2-07- | 0-L1R046 | 09/22/76 | 12-15 | 9.2 | C | - | 5.7 | - | 180 | 15-4 | -3-6-3 | 3-1-2 | 2-3-2 | 3-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.08 | | |
| 30-44.8597 | -113.3385 | -2-07- | 0-L1R047 | 09/22/76 | 12-15 | 7.8 | C | - | 5.7 | - | 170 | 7-4 | -3-6-3 | 3-1-2 | 2-3-3 | 4-4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.24 | | |
| 30-44.8769 | -113.2550 | -2-07- | 0-L1R048 | 09/22/76 | 13-15 | 9.8 | C | - | 5.7 | - | 170 | 11-1-1 | -3-4-4 | 3-1-2 | 2-3-4 | 4-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.67 | | |
| 30-44.8458 | -113.2344 | -2-07- | 0-L1R049 | 09/22/76 | 14-14 | 10.4 | C | - | 5.7 | - | 230 | 11-4 | -3-4-4 | 3-1-2 | 2-3-2 | 3-4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.34 | | |
| 30-44.8531 | -113.2444 | -2-07- | 0-L1R050 | 09/22/76 | 15-14 | 11.2 | C | - | 5.5 | - | 100 | 9-4 | -3-4-3 | 3-1-2 | 2-3-3 | 3-4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.18 | | |
| 30-44.8658 | -112.2569 | -2-07- | 0-L1R051 | 09/22/76 | 15-15 | 10.0 | C | - | 5.7 | - | 200 | 15-4 | -3-6-3 | 3-1-2 | 2-3-3 | 4-4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.42 | | |
| 30-44.8789 | -112.0139 | -2-07- | 0-L1R052 | 09/27/76 | 13-13 | 10.0 | C | - | 6.3 | - | 600 | 7-4 | -3-7-3 | 3-1-2 | 2-2-3 | 4-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.55 | | |
| 30-44.9242 | -112.0235 | -2-07- | 0-L1R054 | 09/27/76 | 14-15 | 10.8 | C | - | 6.1 | - | 330 | 7-4 | -3-6-3 | 3-1-2 | 2-4-4 | 2-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.78 | | |
| 30-44.9417 | -112.0156 | -2-07- | 0-L1R055 | 09/27/76 | 14-15 | 9.6 | C | - | 5.9 | - | 500 | 7-4 | -3-7-4 | 3-2-2 | 2-3-3 | 3-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.44 | | |
| 30-44.9397 | -112.0261 | -2-07- | 0-L1R056 | 09/27/76 | 14-15 | 6.4 | C | - | 5.7 | - | 250 | 5-4 | -4-6-4 | 3-1-2 | 2-3-2 | 4-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.95 | | |
| 30-44.9828 | -112.1302 | -2-06- | 0-L1R061 | 09/28/76 | 10-8 | 4.0 | C | - | 5.9 | - | 650 | 5-4 | - | -2-3-1 | 3-4-4 | 4-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.14 | | |
| 30-44.8711 | -112.0065 | -2-07- | 0-L1R062 | 09/17/76 | 5-17 | 8.4 | C | - | 5.9 | - | 260 | 28-2-6 | -5-6-4 | 3-2-2 | 2-2-3 | 2-1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.70 | | |
| 30-44.8131 | -112.0917 | -2-07- | 0-L1R072 | 09/17/76 | 13-10 | 9.2 | C | - | 5.9 | - | 260 | 14-2-6 | -5-6-3 | 3-1-2 | 2-3-2 | 2-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.10 | | |
| 30-44.8286 | -112.0035 | -2-07- | 0-L1R075 | 09/17/76 | 14-19 | 9.5 | C | - | 6.3 | - | 1900 | 4-1-3 | -3-6-2 | 3-1-2 | 2-3-2 | 3-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.55 | | |
| 30-44.8075 | -112.0050 | -2-07- | 0-L1R076 | 09/17/76 | 15-19 | 9.5 | C | - | 6.3 | - | 1200 | 9-1-5 | -3-6-2 | 3-1-2 | 2-3-3 | 2-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.10 | | |
| 30-44.8033 | -112.0032 | -2-07- | 0-L1R077 | 09/17/76 | 15-19 | 9.5 | C | - | 5.9 | - | 120 | 14-1-6 | -3-6-2 | 3-1-2 | 2-3-2 | 2-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.32 | | |
| 30-44.9617 | -112.0283 | -2-07- | 0-L1R078 | 09/17/76 | 15-19 | 9.5 | C | - | 6.3 | - | 1500 | 4-1-5 | -3-6-3 | 3-1-2 | 2-2-3 | 2-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.10 | | |
| 30-44.7736 | -112.0280 | -2-07- | 0-L1R079 | 09/17/76 | 15-19 | 7.4 | C | - | 5.7 | - | 90 | 14-2-6 | -2-6-3 | 3-1-2 | 2-1-3 | 4-2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.10 | | |
| 30-44.9458 | -112.4360 | -2-07- | 0-L1R092 | 09/19/76 | 14-4 | 4.8 | C | - | 5.5 | - | 55 | 5-2-5 | -4-6-3 | 3-1-2 | 2-1-3 | 3-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.70 | | |
| 30-44.9403 | -112.4380 | -2-07- | 0-L1R093 | 09/19/76 | 14-4 | 4.8 | C | - | 5.5 | - | 60 | 11-2-6 | -5-6-3 | 3-1-2 | 2-1-3 | 3-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.10 | | |
| 30-44.9356 | -112.4310 | -2-06- | 0-L1R094 | 09/19/76 | 14-4 | 4.8 | C | - | 5.7 | - | 170 | 5-2-5 | -4-6-3 | 3-1-2 | 2-1-3 | 3-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.38 | | |
| 30-44.9600 | -112.3980 | -2-07- | 0-L1R095 | 09/19/76 | 15-5 | 4.8 | C | - | 5.5 | - | 65 | 1-2-5 | -4-6-3 | 3-1-2 | 2-2-3 | 3-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.25 | | |
| 30-44.9526 | -112.3681 | -2-07- | 0-L1R096 | 09/19/76 | 15-4 | 4.8 | C | - | 5.7 | - | 70 | 7-2-6 | -4-6-3 | 3-1-2 | 2-2-3 | 2-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.34 | | |
| 30-44.9792 | -112.2731 | -2-07- | 0-L1R097 | 09/19/76 | 15-4 | 4.8 | C | - | 5.7 | - | 8 | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-A. (continued). Uranium Concentrations for Water Samples

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | |
|--------------------------|----------------------|-----------|---------|-------------|----------|--|--------------|------|-----------------|-------------------|----------|----------------------|----|----------------------|------------------------|-----------|------------|---------------|----------------|------------|-------------|-----------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REF/LATE | LAS SAMPLE LOCATION NUMBER | TIME SAMPLED | | Air TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH | TURBIDITY (lumho/cm) | SCINTILLATOR (pH, ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER TASTE | 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 (H) UNITS IN PPB |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-44.5764-112.8847-2-07 | 0-L1R248-09/21/76-16 | 10-10.0- | - | 5.5- | 49- | 4-2-6-4-6-3-3-1-2-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.24 | | |
| 30-44.6278-112.9056-2-06 | 0-L1R253-09/21/76-17 | 10-8.4- | - | 5.2- | 35- | 4-2-6-4-6-3-3-1-2-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.55 | | |
| 30-44.6306-112.9728-2-07 | 0-L1R255-09/21/76-17 | 10-10.5- | - | 5.2- | 60- | 4-2-6-4-6-3-3-1-2-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.80 | | |
| 30-44.6314-112.9725-2-07 | 0-L1R256-09/21/76-17 | 10-10.0- | - | 5.7- | 38- | 4-2-6-4-6-3-3-1-2-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.85 | | |
| 30-44.7236-112.9847-2-06 | 0-L1R259-09/21/76-18 | 10-8.8- | - | 5.2- | 45- | 4-4-4-6-6-3-1-1-3-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.55 | | |
| 30-44.6819-112.9222-2-06 | 0-L1R262-09/21/76-19 | 10-8.6- | - | 5.2- | 80- | 9-2-6-4-6-3-3-1-3-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.70 | | |
| 30-44.9042-112.7833-2-06 | 0-L1R268-09/20/76-9 | 16-9.5- | - | 5.7- | 320- | 4-4-5-8-3-3-1-2-3-4-4-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.60 | | |
| 30-44.9575-112.7722-2-06 | 0-L1R270-09/20/76-10 | 16-8.0- | - | 5.2- | 240- | 4-4-4-4-3-3-1-2-4-3-5-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.67 | | |
| 30-44.9694-112.8128-2-07 | 0-L1R271-09/20/76-11 | 17-11.0- | - | 5.9- | 320- | 4-4-4-6-2-2-3-2-4-3-4-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.40 | |
| 30-44.7542-112.7100-2-07 | 0-L1R279-09/21/76-11 | 12-11.5- | - | 5.9- | 470- | 6-4-4-6-3-3-2-2-3-1-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.68 | |
| 30-44.7611-112.7050-2-07 | 0-L1R280-09/21/76-11 | 12-11.5- | - | 5.7- | 450- | 4-4-4-6-3-4-3-2-3-4-1-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.75 | |
| 30-44.7986-112.7458-2-07 | 0-L1R281-09/21/76-12 | 16-11.5- | - | 5.7- | 480- | 8-4-4-6-4-5-2-2-2-4-1-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.68 | |
| 30-44.7900-112.6908-2-07 | 0-L1R282-09/21/76-12 | 16-12.5- | - | 5.9- | 340- | 4-4-4-6-3-2-1-2-3-2-2-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.94 | |
| 30-44.7860-112.6767-2-07 | 0-L1R282-09/21/76-12 | 16-10.6- | - | 6.0- | 330- | 4-4-4-6-2-2-1-2-3-3-4-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.39 | |
| 30-44.8325-112.6547-2-06 | 0-L1R288-09/21/76-14 | 20-19.5- | - | 5.9- | 700- | 4-4-6-6-2-2-1-4-3-4-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.31 | |
| 30-44.8956-112.4172-2-07 | 0-L1R290-09/30/76-12 | 20-12.5- | - | 5.7- | 330- | 6-4-6-6-2-2-3-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.09 | |
| 30-44.9811-112.2692-2-07 | 0-L1R291-09/30/76-13 | 21-15.0- | - | 5.9- | 350- | 4-4-4-6-2-2-1-2-4-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.84 | |
| 30-44.9136-112.3908-2-06 | 0-L1R293-09/30/76-11 | 18-11.0- | - | 6.0- | 360- | 4-4-5-6-2-3-1-2-3-5-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.47 | |
| 30-44.8986-112.4136-2-07 | 0-L1R294-09/30/76-11 | 18-9.5- | - | 5.7- | 360- | 10-2-7-3-6-4-2-1-2-1-3-5-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.74 | |
| 30-44.9000-112.4100-2-07 | 0-L1R295-09/30/76-10 | 18-9.5- | - | 6.0- | 360- | 12-2-7-3-6-4-2-1-2-1-3-5-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.63 | |
| 30-44.8997-112.4031-2-07 | 0-L1R296-09/30/76-10 | 18-9.0- | - | 5.7- | 350- | 12-2-7-3-6-4-2-1-2-1-3-5-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.53 | |
| 30-44.9844-112.3533-2-07 | 0-L1R298-09/30/76-12 | 19-12.6- | - | 5.7- | 280- | 10-4-5-6-3-2-1-2-4-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.67 | |
| 30-44.8383-112.7511-2-07 | 0-L1R299-09/22/76-10 | 14-11.5- | - | 6.0- | 480- | 2-4-5-6-2-2-1-2-4-4-4-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.06 | |
| 30-44.8580-112.7033-2-06 | 0-L1R300-09/22/76-10 | 15-11.5- | - | 5.9- | 470- | 4-4-5-8-3-3-1-4-4-4-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.53 | |
| 30-44.8372-112.7706-2-07 | 0-L1R301-09/27/76-13 | 21-11.5- | - | 6.0- | 500- | 4-4-4-6-2-3-1-2-4-4-1-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.63 | |
| 30-44.8594-112.7814-2-07 | 0-L1R304-09/27/76-14 | 21-11.5- | - | 6.0- | 500- | 6-4-4-6-3-3-1-2-4-4-1-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.10 | |
| 30-44.9142-112.9753-2-06 | 0-L1R309-09/28/76-15 | 23-9.5- | - | 5.9- | 300- | 6-1-1-4-6-2-2-1-4-3-5-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.95 | |
| 30-44.7842-112.9772-2-07 | 0-L1R310-09/28/76-13 | 22-12.0- | - | 5.7- | 170- | 10-2-7-4-6-3-2-1-2-4-3-4-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.42 | |
| 30-44.7778-112.9739-2-07 | 0-L1R311-09/28/76-13 | 22-11.5- | - | 5.7- | 400- | 12-4-4-6-2-2-1-2-4-3-4-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.27 | |
| 30-44.7708-112.9647-2-07 | 0-L1R312-09/28/76-13 | 22-12.0- | - | 5.7- | 260- | 6-4-3-6-3-2-1-2-4-3-4-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.74 | |
| 30-44.7642-112.9581-2-06 | 0-L1R313-09/28/76-13 | 22-11.0- | - | 5.7- | 370- | 8-4-3-6-2-3-1-2-3-4-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.87 | |
| 30-44.9833-113.1622-2-06 | 0-L1R314-09/28/76-10 | 8-6.2- | - | 5.9- | 325- | 11-4-3-6-2-3-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.36 | |
| 30-44.9664-113.1847-2-07 | 0-L1R315-09/28/76-11 | 13-9.4- | - | 5.7- | 315- | 5-4-3-4-3-3-1-2-3-2-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.50 | |
| 30-44.9653-113.1861-2-07 | 0-L1R316-09/28/76-11 | 11-6.6- | - | 5.7- | 290- | 5-4-3-6-3-3-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.10 | |
| 30-44.9936-113.1972-2-07 | 0-L1R318-09/29/76-12 | 18-6.8- | - | 5.7- | 280- | 11-4-4-6-3-3-4-2-3-4-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.81 | |
| 30-44.9404-113.2000-2-07 | 0-L1R320-09/28/76-13 | 16-8.6- | - | 5.7- | 220- | 5-4-4-6-3-3-1-2-2-3-4-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.40 | |
| 30-44.9264-113.2183-2-07 | 0-L1R321-09/28/76-14 | 16-10.0- | - | 5.7- | 220- | 11-4-3-3-3-3-1-2-3-3-4-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.43 | |
| 30-44.9211-113.1933-2-07 | 0-L1R322-09/28/76-14 | 19-10.9- | - | 5.5- | 200- | 9-3-6-3-6-4-3-1-2-2-3-4-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.76 | |
| 30-44.8842-113.1858-2-07 | 0-L1R323-09/29/76-15 | 13-5.8- | - | 5.5- | 120- | 18-2-7-3-6-4-3-1-2-1-2-5-1-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.28 | |
| 30-44.8861-113.1825-2-07 | 0-L1R324-09/29/76-15 | 18-10.8- | - | 5.5- | 140- | 7-4-3-6-4-3-1-2-3-3-4-1-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.04 | |
| 30-44.8875-113.1875-2-07 | 0-L1R325-09/29/76-15 | 18-14.4- | - | 5.7- | 260- | 11-4-3-6-3-3-1-2-3-3-4-1-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.28 | |
| 30-44.8944-113.2400-2-07 | 0-L1R326-09/23/76-16 | 19-14.6- | - | 5.7- | 180- | 16-4-3-6-3-3-1-2-3-3-3-1-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.77 | |
| 30-44.7150-112.2525-2-07 | 0-L1R327-09/29/76-14 | 19-8.6- | - | 5.9- | 450- | 3-4-4-6-2-3-2-2-3-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.88 | |
| 30-44.7193-112.2486-2-07 | 0-L1R328-09/29/76-14 | 18-7.8- | - | 5.7- | 320- | 7-4-3-6-3-3-1-2-3-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.34 | |
| 30-44.7300-112.2311-2-07 | 0-L1R329-09/29/76-14 | 18-9.4- | - | 5.7- | 280- | 3-4-4-6-3-3-1-2-3-4-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.00 | |
| 30-44.7147-112.2606-2-07 | 0-L1R330-09/29/76-15 | 18-12.0- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-A. (continued). Uranium Concentrations for Water Samples

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|----------|--|--------------|------|-----------------|-------------------|-----------|----------------------|----|------------------------|-------------------------|-----------|------------|---------------|----------------|------------|-------------|-----------------|----------------|-----------------|--------------------|--------|---------|------------|--------------|-----------|------------------------|-------------------|--------------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REF-GATE | LAS SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (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 | DYNAMOSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN PPB |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15-44.2675 | -112.8275 | -2-06- | 0-118789 | -06/25/79- | 15- | 23- | 5.1- | - | 7.8- | 241- | 10-2-7-6- | P-2-3-1- | - | 4-4-4-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.01 | | |
| 16-44.1833 | -112.7997 | -2-06- | 0-118791 | -06/25/79- | 16- | 23- | 6.8- | - | 8.4- | 190- | 10-2-6-6- | P-3-3-1- | - | 4-4-4-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.77 | | |
| 15-44.1836 | -112.2308 | -2-07- | 0-118795 | -06/21/79- | 12- | 16- | 13.7- | - | 6.9- | 337- | 4-3-8-5- | P-2-3-1- | - | 2-4-3-1-4- | - | 3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.02 | | |
| 16-44.1667 | -112.0403 | -2-07- | 0-118800 | -06/21/79- | 16- | 18- | 15.5- | - | 8.0- | 115- | 14-2-8-5- | P-3-3-1- | - | 2-4-3-2-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.40 | | |
| 15-44.1575 | -112.0500 | -2-07- | 0-118801 | -06/21/79- | 17- | 18- | 16.0-C- | - | 8.0- | 118- | 12-3-P-5- | P-3-3-3- | - | 2-4-3-1-2- | - | 3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.06 | | |
| 16-44.1375 | -112.0619 | -2-07- | 0-118802 | -06/21/79- | 17- | 19- | 16.5- | - | 8.0- | 120- | 9-3-P-5- | P-3-3-1- | - | 2-4-3-2-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.07 | | |
| 16-44.3722 | -112.7942 | -2-07- | 0-118807 | -06/22/79- | 13- | 15- | 4.2- | - | 8.3- | 113- | 3-3-8- | - | - | 4-3-1-2- | - | 1-3-5-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.15 | | |
| 16-44.3675 | -112.7844 | -2-06- | 0-118808 | -06/22/79- | 14- | 14- | 9.2-C- | - | 8.3- | 130- | 12-1-4-6- | P-2-3-1- | - | 1-3-5-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.43 | | |
| 16-44.3585 | -112.7744 | -2-07- | 0-118809 | -06/22/79- | 14- | 14- | 4.5- | - | 8.5- | 165- | 7-1-6-4- | P-4-2-1- | - | 2-1-4-5-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.30 | | |
| 16-44.3608 | -112.7758 | -2-07- | 0-118810 | -06/22/79- | 14- | 14- | 4.7- | - | 8.6- | 91- | -1-6-4- | P-3-3-1- | - | 2-1-3-5-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.47 | | |
| 16-44.3565 | -112.7542 | -2-07- | 0-118811 | -06/22/79- | 15- | 11- | 4.0- | - | 8.1- | 311- | -1-6-4- | P-3-3-1- | - | 2-1-3-5-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.79 | | |
| 16-44.3642 | -112.6861 | -2-07- | 0-118813 | -06/22/79- | 17- | 15- | 7.5- | - | 8.7- | 194- | -1-1-5- | P-4-3-1- | - | 2-1-3-5-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.17 | | |
| 16-44.3631 | -112.6600 | -2-07- | 0-118814 | -06/22/79- | 18- | 15- | 9.4- | - | 8.7- | 248- | -1-1-4- | P-8-3-3-1- | - | 2-1-3-5-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.18 | | |
| 16-44.3611 | -112.6606 | -2-07- | 0-118815 | -06/22/79- | 18- | 15- | 8.0- | - | 8.5- | 201- | -1-1-4- | P-8-3-1- | - | 2-1-3-5-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.64 | | |
| 16-44.3722 | -112.6056 | -2-07- | 0-118817 | -06/22/79- | 18- | 22- | 12.4- | - | 8.6- | 381- | -1-7-4- | P-6-3-3-1- | - | 2-4-3-3-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.84 | | |
| 16-44.3767 | -112.6039 | -2-07- | 0-118818 | -06/22/79- | 18- | 23- | 10.1-C- | - | 8.4- | 221- | -1-7-4- | P-6-3-3-1- | - | 2-4-3-3-2- | - | 3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.84 | | |
| 16-44.4496 | -113.2275 | -2-06- | 0-118820 | -06/25/79- | 11- | 25- | 16.6- | - | 7.7- | 490- | 11-1-1-5- | P-1-2-3-1- | - | 3-2-3-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | | |
| 16-44.4564 | -113.2319 | -2-06- | 0-118821 | -06/25/79- | 10- | 25- | 7.0- | - | 8.1- | 166- | 6-1-1-5- | P-1-2-3-1- | - | 3-2-3-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.46 | | |
| 16-44.4422 | -113.2275 | -2-06- | 0-118822 | -06/25/79- | 11- | 26- | 15.3-C- | - | 8.0- | 332- | 3-1-1-6- | P-6-3-3-1- | - | 4-3-2-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.61 | | |
| 16-44.3558 | -113.2569 | -2-06- | 0-118825 | -06/25/79- | 12- | 25- | 3.4- | - | 8.0- | 175- | 11-2-1- | P-5-6-3-3-1- | - | 1-3-5-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.41 | | |
| 16-44.3642 | -113.2617 | -2-06- | 0-118826 | -06/25/79- | 13- | 25- | 2.3- | - | 8.0- | 115- | 5-2-1- | P-5-8-3-3-1- | - | 1-3-5-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.26 | | |
| 16-44.3106 | -113.1778 | -2-06- | 0-118829 | -06/25/79- | 13- | 25- | 6.4- | - | 7.8- | 238- | 5-1-1- | P-5-6-2-3-1- | - | 4-3-3-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.63 | | |
| 16-44.2886 | -113.1453 | -2-06- | 0-118832 | -06/25/79- | 14- | 24- | 4.9-C- | - | 7.7- | 253- | 5-1-1- | P-5-8-2-3-1- | - | 4-3-4-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.11 | | |
| 16-44.3414 | -112.8458 | -2-06- | 0-118830 | -06/24/79- | 12- | 24- | 7.1- | - | 6.7- | 169- | 4-2-7- | P-2-P-3-3-1- | - | 1-3-5-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.41 | | |
| 16-44.2703 | -112.9811 | -2-06- | 0-118842 | -06/24/79- | 14- | 24- | 7.7-C- | - | 9.5- | 238- | 7-2-7- | P-6-8-2-3-1- | - | 4-3-2-3- | - | 3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.95 | | |
| 16-44.3461 | -112.4781 | -2-06- | 0-118845 | -06/22/79- | 12- | 25- | 7.7- | - | 8.1- | 115- | 6-1-8- | P-5-6-2-3-1- | - | 4-3-3-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.48 | | |
| 16-44.3947 | -112.5064 | -2-07- | 0-118846 | -06/22/79- | 13- | 26- | 11.9- | - | 8.2- | 257- | 8-2-6- | P-3-6-3-3-1- | - | 2-4-3-4-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.23 | | |
| 16-44.3922 | -112.5089 | -2-07- | 0-118847 | -06/22/79- | 13- | 26- | 13.4- | - | 8.4- | 240- | 11-2-6- | P-5-6-3-3-1- | - | 2-4-3-4-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.95 | | |
| 16-44.4150 | -112.4897 | -2-07- | 0-118848 | -06/22/79- | 14- | 26- | 10.5- | - | 8.5- | 207- | 11-2-6- | P-3-6-4-3-1- | - | 2-4-3-4-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.77 | | |
| 16-44.4167 | -112.4850 | -2-07- | 0-118849 | -06/22/79- | 14- | 26- | 12.3- | - | 8.4- | 247- | 5-2-6- | P-3-6-3-3-1- | - | 2-4-3-4-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.90 | | |
| 16-44.4461 | -112.4763 | -2-07- | 0-118850 | -06/22/79- | 14- | 26- | 10.3- | - | 8.5- | 230- | 6-2-6- | P-3-6-4-3-1- | - | 2-4-3-4-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.52 | | |
| 16-44.3633 | -112.4964 | -2-06- | 0-118851 | -06/22/79- | 14- | 25- | 15.9-C- | - | 7.9- | 267- | 13-2-6- | - | - | 3-3-1- | - | 4-3-4-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.67 | | |
| 16-44.3858 | -112.4611 | -2-07- | 0-118852 | -06/22/79- | 15- | 25- | 11.3- | - | 8.4- | 233- | 6-2-6- | P-5-6-2-3-1- | - | 1-4-3-4-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.97 | | |
| 16-44.4244 | -112.4225 | -2-07- | 0-118853 | -06/22/79- | 15- | 24- | 10.6- | - | 8.5- | 203- | 5-2-6- | P-5-6-2-3-1- | - | 1-4-3-4-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.52 | | |
| 16-44.4253 | -112.4261 | -2-07- | 0-118854 | -06/22/79- | 16- | 24- | 8.2- | - | 8.4- | 198- | 8-2-6- | P-3-6-3-3-1- | - | 2-4-3-4-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.77 | | |
| 16-44.3679 | -112.4472 | -2-07- | 0-118855 | -06/22/79- | 15- | 23- | 12.2- | - | 8.5- | 288- | 5-2-6- | P-5-6-2-3-1- | - | 2-4-3-3-4- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.86 | | |
| 16-44.3425 | -112.4122 | -2-07- | 0-118856 | -06/22/79- | 16- | 24- | 10.9- | - | 8.5- | 153- | 10-1-8- | P-3-6-3-3-1- | - | 2-4-3-4-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.48 | | |
| 16-44.3428 | -112.4153 | -2-07- | 0-118857 | -06/22/79- | 17- | 24- | 11.8- | - | 8.5- | 250- | 11-1-8- | P-5-6-2-3-1- | - | 1-4-3-4-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.82 | | |
| 16-44.3006 | -112.4083 | -2-07- | 0-118859 | -06/22/79- | 17- | 24- | 12.7- | - | 8.7- | 197- | 5-2-8- | P-3-6-3-3-1- | - | 2-4-3-3-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.74 | | |
| 16-44.3772 | -112.2806 | -2-06- | 0-118860 | -06/22/79- | 19- | 24- | 11.4- | - | 8.4- | 28- | 11-2-6- | P-5-6-3-3-1- | - | 4-3-3-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.18 | | |
| 16-44.3714 | -112.3075 | -2-07- | 0-118861 | -06/22/79- | 19- | 23- | 9.1- | - | 8.4- | 22- | 6-2-6- | P-5-6-3-4-1- | - | 2-4-3-3-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.23 | | |
| 16-44.3731 | -112.3292 | -2-07- | 0-118862 | -06/22/79- | 20- | 20- | 8.1- | - | 8.0- | 54- | 6-2-6- | P-2-6-3-4-1- | - | 2-1-3-3-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | | |
| 16-44.5139 | -112.0108 | -2-06- | 0-118863 | -06/23/79- | 10- | 22- | 3.4- | - | 8.3- | 30- | 11-2-6- | P-5-6-3-3-1- | - | 1-3-3-1- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.15 | | |
| 16-44.5344 | -112.0244 | -2-06- | 0-118864 | -06/23/79- | 10- | 23- | 7.0- | - | 8.2- | 33- | 10-2-6- | P-5-6-3-3-1- | - | 4-3-3-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | | |
| 16-44.5353 | -112.0031 | -2-06- | 0-118865 | -06/23/79- | 11- | 23- | 2.9-C- | - | 8.1- | 31- | 16-2-6- | - | - | 3-3-1- | - | 1-3-3-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.21 | | |
| 16-44.4956 | -112.0692 | -2-07- | 0-118866 | -06/23/79- | 13- | 21- | 10.9- | - | 7.8- | 184- | 10-3-6- | P-3-8-3-3-1- | - | 2-3-3-4-2- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.42 | | |
| 16-44.2839 | -113.1217 | -2-06- | 0-118867 | -06/25/79- | 14- | 24- | 11.8- | - | 7.9- | 283- | 9-1-1- | P-5-8-2-3-1- | - | 4-3-3-3- | - | 1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.21 | | |
| 16-44.2753 | -113.1206 | -2-06- | 0-118868 | -06/25/7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-A. (continued). Uranium Concentrations for Water Samples

| DOE SAMPLE NUMBER | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | |
|---------------------------|-----------------------|------------|---------|-------------|--|-----------------------------|--------------|------|-----------------|-------------------|----------|----------------------|----|------------------------|-------------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (µmho/cm) | SCINTILLATOR (c.u. ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN PPB |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44.5923-113.5708-2-07- | C-L18992-06/28/79-14- | 26-10.7- | - | 8.2- | 21- | 6-2-6-2-3-3-3-1-2-1-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.65 | |
| 16-44.6647-113.5389-2-07- | C-L18993-06/28/79-15- | 27-12.4- | - | 9.0- | 68- | 5-2-6-2-3-3-3-1-2-2-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.66 | |
| 16-44.6833-113.5306-2-07- | O-L19994-06/28/79-16- | 26-21.0- | - | 9.0- | 128- | 9-1-6-2-3-3-3-1-2-3-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.23 | |
| 16-44.6300-113.3247-2-07- | O-L19999-06/26/79-11- | 26-17.6- | - | 6.4- | 498- | 7-1-1-6-8-3-3-1-2-4-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.23 | |
| 16-44.6292-113.3286-2-07- | O-L19000-06/26/79-11- | 26-21.9- | - | 8.4- | 530- | 10-1-1-6-8-3-3-1-2-4-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.38 | |
| 16-44.6653-113.3186-2-07- | O-L19002-06/26/79-13- | 26- 8.6- | - | 8.0- | 304- | 6-1-7-3-7-3-3-1-3-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.65 | |
| 16-44.6733-113.3414-2-07- | O-L19003-06/26/79-13- | 26-17.0- | - | 8.0- | 391- | 6-1-1-6-7-3-3-1-2-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.00 | |
| 16-44.7358-113.2711-2-07- | O-L19004-06/26/79-14- | 26- 9.5- | - | 8.3- | 255- | 8-2-7-3-6-3-3-1-2-4-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.45 | |
| 16-44.7081-113.2842-2-07- | O-L19007-06/26/79-14- | 26-14.9- | - | 8.4- | 249- | 12-1-6-4-6-3-3-1-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.54 | |
| 16-44.6917-113.3636-2-07- | O-L19017-06/26/79-17- | 25-14.6-C- | - | 8.5- | 258- | 10-2-4-4-6-3-3-1-4-4-2-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.01 | |
| 16-44.7411-113.4589-2-07- | O-L19014-06/26/79-18- | 25-12.9- | - | 8.1- | 322- | 8-2-1-4-8-3-3-1-4-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.26 | |
| 16-44.7397-113.4619-2-07- | O-L19015-06/26/79-19- | 26-17.5-C- | - | 8.2- | 466- | 9-1-7-5-8-3-3-1-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.29 | |
| 16-44.7367-113.4611-2-07- | O-L19016-06/26/79-19- | 26-20.6-C- | - | 8.5- | 329- | 6-1-1-5-8-3-3-1-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.72 | |
| 16-44.6456-113.4753-2-07- | O-L19017-06/26/79-20- | 26-15.0- | - | 8.1- | 22- | 2-2-7-5-8-3-3-1-4-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.07 | |
| 16-44.6353-113.465C-2-06- | O-L19019-06/26/79-19- | 25-23.4-C- | - | 7.4- | 60- | 10-1-1-5-8-3-3-1-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | |
| 16-44.6425-113.4486-2-07- | O-L19020-06/26/79-19- | 25-14.1-C- | - | 8.2- | 95- | 10-2-1-4-8-3-3-1-2-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.18 | |
| 16-44.6039-113.4428-2-07- | O-L19021-06/26/79-20- | 23-13.1- | - | 7.9- | 58- | 8-2-1-5-8-4-3-1-2-4-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.25 | |
| 16-44.6053-113.4461-2-07- | O-L19022-06/26/79-20- | 23- 8.8- | - | 8.0- | 25- | 12-2-1-4-7-4-3-1-2-4-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.19 | |
| 16-44.6417-113.3836-2-07- | O-L19023-06/27/79-12- | 26-11.4- | - | 7.9- | 48- | 20-1-7-5-6-3-3-1-2-4-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.11 | |
| 16-44.8356-113.5994-2-07- | O-L19024-06/28/79-11- | 26-23.5-C- | - | 9.1- | 480- | 14-1-6-4-6-2-2-1-2-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.90 | |
| 16-44.8603-113.5458-2-07- | O-L19025-06/28/79-11- | 26- 9.4-C- | - | 8.5- | 61- | 14-2-7-4-6-3-3-1-2-4-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.03 | |
| 16-44.8822-113.5475-2-07- | O-L19026-06/28/79-12- | 27-17.0-C- | - | 8.2- | 62- | 10-2-7-4-6-3-3-1-2-4-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.57 | |
| 16-44.9081-113.5753-2-06- | O-L19027-06/28/79-12- | 27-15.5- | - | 8.0- | 234- | 6-2-6-5-8-2-2-1-4-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.31 | |
| 16-44.8293-113.6083-2-07- | O-L19028-06/28/79-13- | 27-15.1-C- | - | 8.1- | 492- | 4-3-6-5-8-3-3-1-2-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.67 | |
| 16-44.8146-113.5922-2-07- | O-L19029-06/28/79-13- | 27-15.1-C- | - | 8.0- | 684- | 14-3-6-4-6-2-2-1-2-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.32 | |
| 16-44.8053-113.5508-2-07- | O-L19030-06/28/79-14- | 27-18.5-C- | - | 8.5- | 407- | 16-1-1-4-6-2-2-1-2-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.26 | |
| 16-44.8272-113.4808-2-07- | O-L19032-06/28/79-15- | 27- 6.8-C- | - | 8.7- | 47- | 10-2-7- - -3-3-1-2-1-3-5-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.54 | |
| 16-44.8278-113.4825-2-07- | O-L19033-06/28/79-15- | 27-10.9- | - | 8.3- | 94- | -1-1-4-6-3-3-1-2-4-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.50 | |
| 16-44.8433-113.4978-2-07- | O-L19034-06/28/79-16- | 27-10.3- | - | 8.2- | 39- | 12-2-7-4-6-4-3-1-2-4-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.34 | |
| 16-44.7766-113.5006-2-06- | O-L19035-06/28/79-16- | 27- 9.3-C- | - | 8.3- | 222- | 2-2-1-6-8-2-3-1-4-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.44 | |
| 16-44.7836-113.5044-2-06- | O-L19036-06/28/79-16- | 28- 9.6-C- | - | 8.2- | 221- | 20-1-1-6-8-3-3-1-4-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.42 | |
| 16-44.7964-113.4042-2-07- | O-L19037-06/28/79-17- | 27-12.4- | - | 8.6- | 93- | 10-1-6-4-6-3-3-1-2-4-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.46 | |
| 16-44.7953-113.4042-2-07- | O-L19038-06/28/79-17- | 27-16.3- | - | 8.5- | 113- | 10-1-6-4-7-3-3-1-2-4-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.45 | |
| 16-44.4242-113.4972-2-07- | O-L19039-07/01/79-14- | 26-11.4- | - | 6.6- | 18- | 10-2-7-5-8-3-3-1-2-3-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | |
| 16-44.4217-113.4983-2-07- | O-L19040-07/01/79-15- | 26-11.1- | - | 6.3- | 28- | 10-2-7-5-7-3-3-1-2-1-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | |
| 16-44.4217-113.5083-2-07- | O-L19042-07/01/79-15- | 24- 6.7- | - | 6.6- | 29- | 10-2-7-5-8-2-3-1-1-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | |
| 16-44.4244-113.5264-2-07- | O-L19043-07/01/79-15- | 26- 6.7- | - | 6.6- | 25- | 13-2-7-5-8-3-3-1-1-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | |
| 16-44.4267-113.5492-2-06- | O-L19044-07/01/79-16- | 26- 7.5- | - | 6.7- | 50- | 10-2-7-4-7-3-3-1-1-4-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.15 | |
| 16-44.3831-112.9806-2-06- | O-L19048-06/24/79-15- | 22-11.1-C- | - | 7.8- | 261- | 5-3-7-6-8-3-3-1-4-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.95 | |
| 16-44.4008-112.9992-2-07- | O-L19049-06/24/79-16- | 23-13.1- | - | 6.1- | 57- | 16-1-6-5-8-3-3-1-2-2-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.73 | |
| 16-44.4056-112.9856-2-07- | O-L19050-06/24/79-16- | 22-11.7- | - | 7.8- | 69- | 14-1-6-5-8-3-3-1-2-2-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.44 | |
| 16-44.4000-112.9461-2-07- | O-L19051-06/24/79-15- | 23-13.1-C- | - | 6.0- | 58- | 16-2-6-5-8-3-3-1-2-1-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.86 | |
| 16-44.4872-113.0828-2-07- | O-L19058-06/26/79-13- | 27-13.7- | - | 8.1- | 34- | 8-2-7-5-8-3-3-1-2-2-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.29 | |
| 16-44.4892-113.0853-2-07- | O-L19059-06/26/79-14- | 27-26.5- | - | 7.9- | 123- | 10-2-7-5-8-3-3-1-2-2-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.13 | |
| 16-44.4981-113.0822-2-06- | O-L19060-06/26/79-15- | 27-11.4- | - | 9.4- | 2- | 6-3-8-5-8-3-3-1-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.90 | |
| 16-44.2672-112.9556-2-06- | O-L19065-06/27/79- 6- | 16-11.2-C- | - | 8.4- | 262- | 5-3-7-6-8-2-3-2-4-4-3-3- | -</ | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-A. (continued). Uranium Concentrations for Water Samples

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | |
|---------------------------|-----------------------|-----------|---------|-------------|-----------|--|--------------|------|-----------------|-------------------|----------|----------------------|----|------------------------|---------------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|-----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH | CONDUCTIVITY (umho/cm) | SCINTILLOMETER (c.u. ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (N) UNITS IN PPB |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44.5192-113.5711-2-07- | 0-119127-07/01/79-18- | 20-7.7- | - | 7.4- | 49- | 1C-2-7-2-3-4-3-1-2-1-3-5-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.24 | | |
| 16-44.4562-113.5561-2-07- | 0-119129-07/01/79-21- | 18-7.4- | - | 7.3- | 50- | 7-2-6-2-4-3-1-2-2-3-5-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | | |
| 16-44.4572-113.5914-2-07- | 0-119130-07/01/79-21- | 20-10.6- | - | 7.8- | 78- | 5-2-1-1-6-1-3-1-2-1-3-5-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.19 | | |
| 16-44.3519-113.4136-2-06- | 0-119131-07/03/79-16- | 24-5.8- | - | 8.5- | 150- | 8-4-1-5-8-3-3-1-1-3-5-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.25 | | |
| 16-44.7042-113.9108-2-06- | 0-119132-07/01/79-13- | 20-7.0- | - | 6.8- | 142- | 25-2-4-5-8-2-3-1-3-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.37 | | |
| 16-44.7028-113.9053-2-06- | 0-119133-07/01/79-14- | 19-14.6- | - | 7.5- | 82- | 1-2-1-3-6-2-3-1-1-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.07 | | |
| 16-44.6922-113.9003-2-07- | 0-119134-07/01/79-15- | 17-6.5- | - | 7.8- | 6- | 1-1-1-2-8-4-4-1-1-1-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | | |
| 16-44.6708-113.8786-2-07- | 0-119135-07/01/79-17- | 18-7.0- | - | 7.2- | 6- | 18-2-6-2-6-4-3-1-1-3-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.06 | | |
| 16-44.6764-113.8975-2-07- | 0-119137-07/01/79-17- | 18-8.1- | - | 6.5- | 2- | 5-2-6-2-6-4-3-1-2-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.05 | | |
| 16-44.6861-113.9294-2-06- | 0-119139-07/01/79-19- | 17-9.8- | - | 7.4- | 135- | 8-2-6-2-8-3-3-1-3-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.88 | | |
| 16-44.5497-113.6667-2-07- | 0-119140-07/02/79-15- | 22-22.4- | - | 7.4- | 92- | 3-2-1-2-6-3-3-1-2-2-2-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.33 | | |
| 16-44.5506-113.6692-2-07- | 0-119141-07/02/79-15- | 22- | - | - | - | 7-2-1-2-6-3-3-1-2-2-2-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.11 | | |
| 16-44.5806-113.6583-2-07- | 0-119142-07/02/79-15- | 22- | - | - | - | 11-1-1-1-1-4-3-1-2-1-3-5-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.06 | | |
| 16-44.5444-113.7392-2-06- | 0-119144-07/02/79-20- | 20- | - | - | - | 10-1-1-5-8-3-3-1-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.51 | | |
| 16-44.2328-112.9614-2-06- | 0-119151-06/26/79-18- | 30-20.8- | - | 8.1- | 472- | 2-2-6-5-6-2-2-1-4-1-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.58 | | |
| 16-44.7581-113.2581-2-07- | 0-119153-06/28/79-12- | 30-13.8- | - | 8.9- | 151- | 6-2-6-5-6-2-2-1-2-4-1-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.39 | | |
| 16-44.5497-113.2164-2-07- | 0-119154-06/28/79-13- | 30-14.4- | - | 8.8- | 270- | 6-2-6-5-6-2-2-1-2-2-1-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.29 | | |
| 16-44.7614-113.1989-2-07- | 0-119155-06/28/79-13- | 30-13.1- | - | 8.7- | 117- | 6-2-6-5-6-2-2-1-2-2-1-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.45 | | |
| 16-44.7608-113.1908-2-06- | 0-119156-06/28/79-13- | 30-9.5- | - | 8.6- | 105- | 6-2-6-5-6-2-2-1-2-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.26 | | |
| 16-44.7628-113.1989-2-07- | 0-119157-06/28/79-14- | 30-17.1- | - | 8.4- | 80- | 10-2-6-5-8-2-2-1-2-2-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.77 | | |
| 16-44.7747-113.2528-2-07- | 0-119159-06/28/79-14- | 30-20.7- | - | 9.2- | 238- | 8-2-6-5-6-2-2-1-2-4-1-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.74 | | |
| 16-44.7744-113.2467-2-07- | 0-119159-06/28/79-14- | 31-19.2- | - | 9.3- | 196- | 10-2-6-4-6-2-2-1-2-3-1-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.31 | | |
| 16-44.7800-113.2756-2-06- | 0-119161-06/28/79-15- | 31-12.2- | - | 8.3- | 198- | 6-2-6-5-6-2-2-1-2-1-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.32 | | |
| 16-44.7806-113.2553-2-07- | 0-119162-06/28/79-15- | 32-19.8- | - | 9.0- | 201- | 6-2-6-5-6-2-2-2-2-2-2-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.90 | | |
| 16-44.7925-113.2442-2-07- | 0-119163-06/28/79-16- | 32-26.7- | - | 8.3- | 114- | 6-2-6-5-6-2-2-4-1-3-2-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.48 | | |
| 16-44.7919-113.2475-2-06- | 0-119164-06/28/79-16- | 33-8.8- | - | 8.1- | 188- | 16-2-7-5-7-2-2-1-2-2-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.86 | | |
| 16-44.8053-113.2483-2-07- | 0-119165-06/28/79-16- | 32-28.5- | - | 9.8- | 115- | 4-2-6-5-6-2-2-2-2-3-2-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.33 | | |
| 16-44.7981-113.1908-2-06- | 0-119166-06/28/79-17- | 31-19.2- | - | 8.9- | 24- | 12-2-6-5-6-2-2-1-2-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | |
| 16-44.8075-113.2678-2-06- | 0-119167-06/28/79-18- | 31-20.5- | - | 8.1- | 160- | 12-2-6-5-8-2-2-1-4-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.54 | | |
| 16-44.7967-113.2953-2-06- | 0-119168-06/28/79-18- | 30-9.0- | - | 8.0- | 12- | 6-2-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.17 | |
| 16-44.7678-113.3692-2-06- | 0-119169-06/28/79-19- | 30-21.5- | - | 8.4- | 18- | 7-2-6-5-6-2-2-2-4-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.18 | | |
| 16-44.7811-113.4444-2-06- | 0-119171-06/29/79-15- | 28-8.1- | - | 8.1- | 135- | 12-2-6-5-6-3-3-1-3-2-2-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.10 | | |
| 16-44.7689-113.4419-2-07- | 0-119172-06/29/79-15- | 28-17.7- | - | 8.4- | 167- | 13-2-6-5-6-2-2-1-2-2-2-3-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.77 | | |
| 16-44.7692-113.4406-2-07- | 0-119172-06/29/79-15- | 29-14.2- | - | 8.4- | 140- | 12-2-6-5-6-2-2-1-2-2-2-3-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.70 | | |
| 16-44.7617-113.4900-2-07- | 0-119174-06/29/79-16- | 29-20.9- | - | 8.1- | 405- | 10-2-6-4-6-3-3-1-2-3-2-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.92 | | |
| 16-44.7653-113.5181-2-07- | 0-119177-06/29/79-16- | 29-17.7- | - | 8.3- | 228- | 6-2-6-4-6-2-2-1-2-2-2-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.94 | | |
| 16-44.7764-113.5939-2-07- | 0-119179-06/29/79-17- | 29-16.5- | - | 8.1- | 318- | 10-2-6-5-6-2-2-1-2-4-2-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.46 | | |
| 16-44.8867-113.5519-2-06- | 0-119180-06/29/79-17- | 29-15.4- | - | 8.4- | 164- | 13-2-6-5-6-2-2-1-3-2-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.31 | | |
| 16-44.4582-113.9182-2-07- | 0-119132-07/01/79-11- | 30-12.5- | - | 8.6- | 275- | 6-2-6-5-6-2-2-1-2-2-1-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.65 | | |
| 16-44.4561-113.9442-2-07- | 0-119134-07/01/79-12- | 30-16.3- | - | 8.3- | 249- | 5-2-6-5-6-2-2-1-2-3-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.60 | | |
| 16-44.4200-113.8881-2-07- | 0-119136-07/01/79-13- | 30-6.8- | - | 8.4- | 285- | 4-2-6-5-6-2-2-1-2-3-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.55 | | |
| 16-44.4111-113.9014-2-07- | 0-119137-07/01/79-13- | 30-12.3- | - | 8.7- | 485- | 8-2-6-5-6-2-2-1-2-4-1-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.23 | | |
| 16-44.4136-113.9058-2-07- | 0-119138-07/01/79-14- | 30-13.5- | - | 8.7- | 83- | 8-2-6-5-6-2-2-1-2-4-1-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.23 | | |
| 16-44.4217-113.7503-2-06- | 0-119193-07/01/79-15- | 30-12.9- | - | 8.3- | 247- | 4-4-6-5-1-2-2-1-4-1-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.67 | | |
| 16-44.6622-113.5391-2-07- | 0-119195-06/28/79-16- | 26-11.2- | - | 8.4- | 17- | 7-1-6-2-6-3-3-1-2-4-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.39 | | |
| 16-44.7056-113.5953-2-07- | 0-119200-06/28/79-17- | 20-9.1- | - | 8.7- | 2- | 9-1-6-2-4-4-3-1-2-1-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.15 | | |
| 16-44.7067-113.5928-2-07- | 0-119201-06/28/79-18- | 20-12.6- | - | 8. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-A. (continued). Uranium Concentrations for Water Samples

| DOE SAMPLE NUMBER | | | | | | LASE SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | |
|---------------------------|------------------------|-----------|---------|-------------|-----------|--|--------------|------|--------------------|-------------------|-----|----------------------|----|---------------------------|------------------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|-----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REFERENCE | LASE SAMPLE LOCATION NUMBER | TIME SAMPLED | | TEMPERATURE Air | WATER TEMPERATURE | TDS | SPECIAL MEASUREMENTS | pH | CONDUCTIVITY (µmho/cm) | SCINTILLAMETER (c.u. ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (H) UNITS IN ppb |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44.8106-113.9633-2-07- | 0-1.19207-06/29/79-12- | 28-8.4- | - | 8.1- | 8- | 16-2-6-2-6-3-3-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.18 | | |
| 16-44.8275-113.9331-2-07- | 0-1.19208-06/29/79-13- | 28-10.7- | - | 8.5- | 5- | 8-2-6-6-6-3-3-1-2-1-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.32 | | |
| 16-44.8042-113.9992-2-07- | 0-1.19209-06/29/79-14- | 28-13.2- | - | 8.3- | 14- | 14-2-6-2-6-3-3-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | | |
| 16-44.7644-113.9853-2-07- | 0-1.19210-06/29/79-15- | 28-13.0- | - | 8.0- | 13- | 19-2-6-3-6-3-3-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.48 | | |
| 16-44.7714-113.9250-2-07- | 0-1.19211-06/29/79-15- | 28-10.1- | - | 8.2- | 11- | 9-2-6-2-6-3-3-1-2-3-3-4-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.44 | | |
| 16-44.7831-113.9342-2-07- | 0-1.19212-06/29/79-16- | 27-9.7- | - | 8.1- | 10- | 15-2-6-2-6-3-3-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.41 | | |
| 16-44.5944-113.9725-2-07- | 0-1.19213-06/29/79-17- | 28-22.9- | - | 9.3- | 468- | 18-2-6-3-3-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.61 | | |
| 16-44.5458-113.9606-2-07- | 0-1.19214-06/29/79-17- | 27-21.3- | - | 9.3- | 477- | 13-2-6-3-6-2-2-1-2-3-2-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.84 | | |
| 16-44.5597-113.9122-2-07- | 0-1.19215-06/29/79-18- | 27-17.5- | - | 9.3- | 267- | 10-2-6-3-3-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.27 | | |
| 16-44.5319-113.9253-2-06- | 0-1.19216-06/29/79-18- | 26-15.9- | - | 8.4- | 366- | 12-2-6-5-6-3-3-1-4-3-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.20 | | |
| 16-44.6258-113.9417-2-07- | 0-1.19222-07/01/79-12- | 26-12.7- | - | 8.3- | 43- | 12-1-6-2-6-3-3-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.05 | | |
| 16-44.6192-113.9106-2-07- | 0-1.19225-07/01/79-13- | 29-14.6- | - | 8.6- | 250- | 11-1-6-5-6-3-3-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.81 | | |
| 16-44.6150-113.8389-2-06- | 0-1.19226-07/01/79-14- | 28-13.3- | - | 8.1- | 85- | 12-2-6-5-6-3-3-1-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.22 | | |
| 16-44.6108-113.8119-2-07- | 0-1.19227-07/01/79-14- | 29-9.2- | - | 7.9- | 42- | 16-2-6-3-6-3-3-1-2-2-2-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.04 | | |
| 16-44.6489-113.7653-2-07- | 0-1.19228-07/01/79-15- | 27-9.4- | - | 8.7- | 19- | 8-1-7-2-1-3-3-1-2-1-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | |
| 16-44.6472-113.7631-2-07- | 0-1.19229-07/01/79-15- | 27-8.9- | - | 8.1- | 30- | 9-1-7-2-6-3-3-1-2-1-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | |
| 16-44.5789-113.7700-2-07- | 0-1.19232-07/01/79-16- | 28-9.2- | - | 7.9- | 70- | 12-2-6-2-7-3-3-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.20 | | |
| 16-44.5722-113.7622-2-06- | 0-1.19233-07/01/79-16- | 28-13.4- | - | 7.9- | 240- | 14-2-6-5-6-3-3-1-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.36 | | |
| 16-44.5344-113.8428-2-08- | 0-1.19235-07/01/79-17- | 28-10.6- | - | 7.9- | 370- | 12-1-6-3-3-1-4-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.13 | | |
| 16-44.5647-113.8639-2-07- | 0-1.19238-07/01/79-18- | 28-14.9- | - | 7.8- | 72- | 6-1-7-3-6-3-3-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.21 | | |
| 16-44.3061-113.3981-2-06- | 0-1.19242-07/03/79-13- | 29-14.4- | - | 7.9- | 300- | 13-2-6-3-3-1-3-3-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.18 | | |
| 16-44.4411-113.4244-2-06- | 0-1.19243-07/03/79-14- | 29-8.9- | - | 7.6- | 245- | 12-2-6-5-6-3-3-1-1-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.66 | | |
| 16-44.4072-113.4000-2-07- | 0-1.19244-07/03/79-15- | 30-10.3- | - | 7.5- | 55- | 12-2-6-2-6-3-3-1-2-1-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.43 | | |
| 16-44.1233-113.3687-2-06- | 0-1.19251-07/03/79-16- | 29-11.9- | - | 7.3- | 271- | 3-4-7-5-8-2-1-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.11 | | |
| 16-44.1211-113.4614-2-07- | 0-1.19252-07/03/79-16- | 29-12.1- | - | 7.5- | 267- | 5-4-7-3-7-3-2-1-2-3-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.67 | | |
| 16-44.1331-113.4603-2-06- | 0-1.19253-07/03/79-17- | 27-15.0- | - | 7.3- | 435- | 7-3-7-5-6-2-1-2-2-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.17 | | |
| 16-44.1417-113.4681-2-06- | 0-1.19254-07/03/79-17- | 28-16.3- | - | 7.8- | 451- | 11-3-7-5-8-2-3-1-2-3-4-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.46 | | |
| 16-44.2129-113.6647-2-07- | 0-1.19257-07/03/79-15- | 27-25.3- | - | 8.4- | 310- | 12-2-6-5-8-2-3-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.71 | | |
| 16-44.2425-113.6692-2-06- | 0-1.19258-07/03/79-16- | 27-19.2- | - | 8.3- | 520- | 11-2-6-5-6-2-3-1-2-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.33 | | |
| 16-44.2056-113.6689-2-07- | 0-1.19259-07/03/79-16- | 27-22.8- | - | 8.7- | 330- | 14-2-6-5-6-3-3-1-2-4-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.85 | | |
| 16-44.1244-113.7542-2-07- | 0-1.19262-07/04/79-18- | 27-4.8- | - | 7.9- | 100- | 2-2-6-5-6-3-3-1-2-1-2-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.22 | | |
| 16-44.1244-113.7281-2-07- | 0-1.19263-07/04/79-18- | 27-6.7- | - | 8.0- | 109- | 4-2-5-4-7-3-3-1-2-1-2-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.33 | | |
| 16-44.1097-113.7333-2-06- | 0-1.19264-07/04/79-19- | 25-4.2- | - | 6.7- | 153- | 5-2-6-5-8-2-2-1-1-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.20 | | |
| 16-44.0975-113.7367-2-06- | 0-1.19265-07/04/79-20- | 25-4.4- | - | 7.8- | 120- | 8-2-6-5-8-3-3-1-1-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.38 | | |
| 16-44.1081-113.7333-2-07- | 0-1.19266-07/04/79-20- | 23-3.0- | - | 7.8- | 125- | 2-2-6-5-8-2-2-1-2-1-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.05 | | |
| 16-44.9506-113.8057-2-06- | 0-1.19268-07/06/79-14- | 27-7.1- | - | 7.5- | 38- | 11-1-7-5-8-3-3-1-4-3-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.43 | | |
| 16-44.0461-113.7417-2-07- | 0-1.19269-07/07/79-17- | 29-10.1- | - | 8.0- | 291- | 5-1-7-2-7-3-3-1-2-3-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.30 | | |
| 16-44.0289-113.7133-2-07- | 0-1.19270-07/07/79-18- | 26-12.3- | - | 7.9- | 208- | 4-1-7-2-7-3-3-1-2-2-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.40 | | |
| 16-44.0089-113.6578-2-07- | 0-1.19273-07/07/79-19- | 26-7.1- | - | 7.3- | 203- | 7-1-7-3-7-3-3-1-2-1-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.27 | | |
| 16-44.0028-113.7786-2-07- | 0-1.19274-07/07/79-20- | 25-15.7- | - | 7.3- | 312- | 7-1-6-5-8-3-3-1-2-2-3-2-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.21 | | |
| 16-44.1958-113.2033-2-07- | 0-1.19276-07/03/79-13- | 26-7.7- | - | 7.8- | 122- | 3-4-6-3-6-4-3-1-2-2-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.22 | | |
| 16-44.1994-113.2117-2-06- | 0-1.19277-07/03/79-13- | 27-20.5- | - | 8.0- | 213- | 4-4-6-5-6-3-3-1-4-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.24 | | |
| 16-44.1636-113.1828-2-06- | 0-1.19282-07/03/79-15- | 28-9.6- | - | 8.3- | 160- | 3-4-1-5-6-3-3-1-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.68 | | |
| 16-44.1647-113.1792-2-07- | 0-1.19283-07/03/79-15- | 28-7.4- | - | 8.4- | 140- | 5-4-1-2-1-3-3-1-2-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.22 | | |
| 16-44.1325-113.1772-2-07- | 0-1.19284-07/03/79-16- | 27-11.2- | - | 7.6- | 160- | 8-4-1-3-1-3-3-1-2-4-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.19 | | |
| 16-44.1361-113.2217-2-06- | 0-1.19286-07/03/79-16- | 28-12.6- | - | 8.0- | 378- | 5-4-1-5-6-2-3-1-4-3-3-1-3- | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-A. (continued). Uranium Concentrations for Water Samples

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | |
|-------------------|----------|------------|----------|--------------|------------|--|--------------|-------|-----------------|-------------------|----------|----------------------|-----------|------------------------|---------------------------|-----------|------------|---------------|----------------|------------|-------------|-----------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REMARK | LAS SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SCINTILLOMETER (cpd, 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 (H) UNITS IN PPB |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44 | 9711-113 | 7608-2-06- | 0-119293 | 07/05/79-13- | 29- 9.4- | - | - | 7.7- | 78- | 10-1-6-5-8-2- | 2-1- | -1-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | | | |
| 16-44 | 9600-113 | 8067-2-06- | 0-119294 | 07/05/79-14- | 27-10.1- | - | - | 7.5- | 83- | 14-1-6-5-8-2- | -1- | -4-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | | |
| 16-44 | 1361-113 | 5642-2-06- | 0-119295 | 07/04/79-18- | 20-14.1- | - | - | 7.8- | 210- | 4-2-6-5-2-2- | 3-4-1- | 1-2-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.25 | | | |
| 16-44 | 9678-113 | 9514-2-07- | 0-119296 | 06/23/79-20- | 23-11.2- | - | - | 7.8- | 10- | 9-2-6-2-6-2- | 3-1-1- | 2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.05 | | | |
| 16-44 | 9531-113 | 9539-2-07- | 0-119297 | 06/28/79-20- | 25-12.1- | - | - | 8.2- | 22- | 8-2-6-1-6-3- | 3-1-2- | 2-4-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.18 | | | |
| 16-44 | 9383-113 | 9642-2-07- | 0-119298 | 06/28/79-19- | 25-18.3- | - | - | 8.8- | 357- | 13-2-6-2-6-3- | 3-1-1- | 2-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.54 | | | |
| 16-44 | 9189-113 | 9656-2-07- | 0-119299 | 06/28/79-19- | 26-13.3- | - | - | 8.3- | 116- | 24-1-6-3-6-3- | 3-1-1- | 2-2-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.48 | | | |
| 16-44 | 9233-113 | 9617-2-07- | 0-119301 | 06/28/79-18- | 26-16.6- | - | - | 8.5- | 217- | 10-2-6-2-6-2- | 3-1-1- | 3-2-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.22 | | | |
| 16-44 | 8503-113 | 9822-2-07- | 0-119303 | 06/28/79-17- | 26-11.5- | - | - | 8.7- | 220- | 9-2-6-2-6-3- | 3-1-1- | 2-2-2-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.41 | | | |
| 16-44 | 8797-113 | 9792-2-07- | 0-119304 | 06/28/79-16- | 27-11.7- | - | - | 8.3- | 207- | 8-2-6-2-6-3- | 3-1-1- | 2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.43 | | | |
| 16-44 | 8886-113 | 9742-2-07- | 0-119305 | 06/28/79-16- | 27-16.2- | - | - | 8.2- | 46- | 8-2-6-2-6-3- | 3-1-1- | 2-2-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.12 | | | |
| 16-44 | 8967-113 | 9611-2-07- | 0-119306 | 06/28/79-15- | 27-22.5- | - | - | 8.6- | 257- | 11-2-6-2-6-3- | 3-1-1- | 2-3-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.49 | | | |
| 16-44 | 8772-113 | 9686-2-07- | 0-119307 | 06/28/79-15- | 26-10.9- | - | - | 8.2- | 50- | 7-2-6-3-6-3- | 3-1-1- | 2-3-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.25 | | | |
| 16-44 | 8775-113 | 9119-2-07- | 0-119308 | 06/28/79-14- | 26- 9.3- | - | - | 8.1- | 24- | 15-2-6-3-7-3- | 3-1-2- | 2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.39 | | | |
| 16-44 | 8733-113 | 9342-2-07- | 0-119309 | 06/28/79-14- | 26- 8.9- | - | - | 8.2- | 9- | 8-2-6-2-6-3- | 3-1-1- | 2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.37 | | | |
| 16-44 | 9978-113 | 6525-2-07- | 0-119310 | 06/29/79-12- | 24-13.3- | - | - | 8.1- | 318- | 2-1-1-5-8-2- | 3-2-1- | 2-2-2-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.32 | | | |
| 16-44 | 9978-113 | 6556-2-07- | 0-119311 | 06/29/79-12- | 24-19.8- | - | - | 8.7- | 308- | 10-4-1-5-8-2- | 2-2-1- | 4-2-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.24 | | | |
| 16-44 | 9578-113 | 6844-2-06- | 0-119315 | 06/29/79-17- | 20-13.5-C- | - | - | 7.9- | 161- | 12-1-1- | - | 3-3-1- | -4-3-3-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.41 | | | |
| 16-44 | 9775-113 | 6858-2-07- | 0-119316 | 06/29/79-18- | 20-12.9- | - | - | 8.3- | 125- | 5-1-1-3-1-3- | 3-1-1- | 4-3-3-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.50 | | | |
| 16-44 | 9325-113 | 6486-2-07- | 0-119317 | 06/29/79-19- | 20-14.8- | - | - | 8.2- | 277- | 7-1-1-5-6-3- | 3-1-1- | 4-3-2-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.82 | | | |
| 16-44 | 4483-113 | 5931-2-07- | 0-119318 | 07/01/79-12- | 20- 5.6- | - | - | 7.0- | 28- | 10-2-1-2-7-4- | 3-1-2- | 2-2-5-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.22 | | | |
| 16-44 | 4773-113 | 5847-2-07- | 0-119319 | 07/01/79-14- | 24- 6.3- | - | - | 7.3- | 17- | 8-2-3-2-3-4- | 3-1-2- | 1-3-5-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.49 | | | |
| 16-44 | 8353-113 | 7317-2-07- | 0-119320 | 06/29/79-16- | 21-14.5-C- | - | - | 9.7- | 385- | 9-4-7-4-8-3- | 3-1-2- | 2-3-3-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.97 | | | |
| 16-44 | 8639-113 | 7539-2-06- | 0-119321 | 06/29/79-14- | 21-23.5-C- | - | - | 10.4- | 295- | 12-3-8-5-8-3- | 3-1-2- | 2-3-4-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.67 | | | |
| 16-44 | 8331-113 | 7231-2-07- | 0-119322 | 06/29/79-18- | 22-16.7- | - | - | 9.8- | 305- | 3-2-1-4-8-3- | 3-1-2- | 2-3-3-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.55 | | | |
| 16-44 | 8611-113 | 7706-2-07- | 0-119323 | 06/29/79-13- | 28-13.4- | - | - | 10.3- | 85- | 7-3-8-5-8-3- | 3-1-2- | 2-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.51 | | | |
| 16-44 | 8711-113 | 7736-2-06- | 0-119324 | 06/29/79-13- | 28- 7.2- | - | - | 9.4- | 76- | 10-2-7-5-8-3- | 3-1- | 4-3-5-7- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.23 | | | |
| 16-44 | 8653-113 | 8150-2-07- | 0-119325 | 06/29/79-14- | 29-11.3- | - | - | 10.1- | 36- | 8-2-7-5-8-3- | 3-1-2- | 1-3-4-4- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.34 | | | |
| 16-44 | 8761-113 | 7850-2-07- | 0-119326 | 06/29/79-14- | 29-14.6- | - | - | 9.8- | 64- | 10-2-7-5-6-3- | 3-1-2- | 2-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.53 | | | |
| 16-44 | 8583-113 | 7700-2-07- | 0-119327 | 06/29/79-15- | 28-14.7- | - | - | 10.9- | 67- | 14-3-8-5-8-3- | 3-1-2- | 2-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.37 | | | |
| 16-44 | 8469-113 | 7511-2-07- | 0-119328 | 06/29/79-19- | 27-15.9-C- | - | - | 9.6- | 175- | 15-3-7-5-8-3- | 3-1-2- | 2-3-3-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.83 | | | |
| 16-44 | 8450-113 | 7928-2-07- | 0-119329 | 06/29/79-19- | 21-16.5- | - | - | 10.0- | 51- | 3-4-7-5-8-3- | 3-1-2- | 4-3-3-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.06 | | | |
| 16-44 | 8306-113 | 8050-2-07- | 0-119330 | 06/29/79-20- | 22-15.2- | - | - | 9.6- | 63- | 8-2-6-3-6-3- | 3-1-2- | 2-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.31 | | | |
| 16-44 | 7608-113 | 5786-2-07- | 0-119331 | 06/30/79- 9- | 25- 8.3- | - | - | 9.6- | 171- | 8-4-7-4-6-3- | 3-1-2- | 3-3-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.25 | | | |
| 16-44 | 8677-113 | 6233-2-07- | 0-119332 | 06/30/79-10- | 26-10.5- | - | - | 9.7- | 415- | 3-1-3-4-8-3- | 3-1-2- | 2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.07 | | | |
| 16-44 | 8661-113 | 6289-2-07- | 0-119333 | 06/30/79-10- | 26- 9.5- | - | - | 10.4- | 99- | 7-1-3-5-6-3- | 3-1-2- | 2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.57 | | | |
| 16-44 | 8603-113 | 6439-2-07- | 0-119334 | 06/30/79-11- | 27-11.1- | - | - | 10.2- | 75- | 13-3-8-5-8-3- | 3-1-2- | 2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.34 | | | |
| 16-44 | 9256-113 | 6417-2-07- | 0-119337 | 06/30/79-12- | 29-11.6- | - | - | 9.6- | 47- | 16-3-7-5-8-3- | 2-1-2- | 2-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.29 | | | |
| 16-44 | 9250-113 | 7089-2-07- | 0-119338 | 06/30/79-12- | 28-13.2- | - | - | 10.1- | 141- | 9-3-7-4-6-3- | 3-1-2- | 2-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.86 | | | |
| 15-44 | 9078-113 | 7303-2-06- | 0-119339 | 06/30/79-13- | 28-10.1-C- | - | - | 10.5- | 59- | 5-3-7-5-8-2- | -1- | 2-3-4-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.05 | | | |
| 15-44 | 9247-113 | 7436-2-07- | 0-119340 | 06/30/79-14- | 28-12.1- | - | - | 9.9- | 49- | 6-3-7-5-8-3- | 3-1-2- | 2-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.16 | | | |
| 15-44 | 9064-113 | 8322-2-06- | 0-119341 | 06/30/79-15- | 28-17.6- | - | - | 9.4- | 81- | 9-3-7-5-8-2- | -1- | 4-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | | |
| 16-44 | 9139-113 | 8542-2-07- | 0-119342 | 06/30/79-16- | 23-12.1- | - | - | 9.3- | 73- | 6-4-7-7-8-3- | 3-1-2- | 1-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.23 | | | |
| 16-44 | 9158-113 | 8547-2-07- | 0-119343 | 06/30/79-16- | 23-11.9- | - | - | 9.3- | 69- | 8-4-7-7-8-3- | 3-1-2- | 1-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.43 | | | |
| 16-44 | 9292-113 | 7628-2-07- | 0-119344 | 06/30/79-17- | 24- 9.9- | - | - | 9.8- | 41- | 7-4-7-5-8-3- | 3-1-2- | 2-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.22 | | | |
| 16-44 | 7531-113 | 7906-2-07- | 0-119345 | 06/29/79-12- | 25- 6.6- | - | - | 8.2- | 9- | 10-2-6-2-6-3- | 3-1-2- | 1-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | | | |
| 16-44 | 7303-113 | 7736-2-07- | 0-119346 | 06/29/79-15- | 26- 7.3- | - | - | 8.2- | 14- | 6-2-6-2-6-3- | 3-1-2- | 1-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.18 | | | |
| 16-44 | 7075-113 | 7697-2-07- | 0-119347 | 06/29/79-18- | 22- 7.3- | - | - | 8.1- | 6- | 7-2-6-2-6-3- | 3-1-2- | 1-3-4-1- | -1- | - | - | | | | | | | | | | | | | | | | | | | |

APPENDIX I-A. (continued). Uranium Concentrations for Water Samples

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|---------------|--|--------------|------|-----------------|-----------------------------|----------|----------------------|----|-------------------------|----------------------|-----------|------------|---------------|----------------|------------|-----------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REF. DATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH | CONDUCTIVITY (µmhos/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | WATER SAMPLES ANALYZED BY FLUOROMETRY OR DNC (#) UNITS IN ppb |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44 | 702R | -113.7336 | -2-07- | 0-L19351 | -06/29/79-20- | 22-6.9- | - | 7.5- | 11- | 7-2-6-2-6-4-3-1-2-1-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.02 | | | |
| 16-44 | 7247 | -113.7254 | -2-07- | 0-L19352 | -06/29/79-21- | 20-7.2- | - | 7.7- | 8- | 13-2-6-2-6-3-3-1-2-1-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.09 | | | |
| 16-44 | 7281 | -113.7239 | -2-07- | 0-L19353 | -06/29/79-19- | 19-8.4- | - | 7.5- | 20- | 13-2-6-2-6-4-3-1-2-1-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.01 | | | |
| 16-44 | 7256 | -113.7228 | -2-07- | 0-L19354 | -06/29/79-19- | 19-7.4- | - | 7.7- | 13- | 16-2-6-2-6-4-3-1-2-1-2-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | | |
| 16-44 | 7328 | -113.7111 | -2-06- | 0-L19355 | -06/29/79-22- | 19-6.7- | - | 7.7- | 49- | 12-2-6-2-1-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.22 | | | |
| 16-44 | 7436 | -113.7057 | -2-07- | 0-L19356 | -06/29/79-22- | 19-10.3- | - | 8.0- | 29- | 16-2-6-2-6-4-3-1-2-4-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.19 | | | |
| 16-44 | 7536 | -113.7122 | -2-07- | 0-L19357 | -06/29/79-22- | 18-8.3- | - | 8.1- | 24- | 10-2-6-2-6-4-3-1-2-1-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | | |
| 16-44 | 7910 | -113.7778 | -2-07- | 0-L19358 | -06/29/79-15- | 26-8.5- | - | 8.1- | 19- | 10-2-6-2-6-4-3-1-2-1-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.25 | | | |
| 16-44 | 7867 | -113.76E9 | -2-07- | 0-L19359 | -06/29/79-15- | 26-7.5- | - | 8.0- | 17- | 6-2-6-5-6-4-3-1-2-1-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.32 | | | |
| 16-44 | 7814 | -113.75E3 | -2-07- | 0-L19360 | -06/29/79-15- | 26-8.4- | - | 8.1- | 17- | 11-2-6-2-6-4-3-1-2-1-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.08 | | | |
| 16-44 | 7706 | -113.7554 | -2-06- | 0-L19361 | -06/29/79-15- | 26-12.2-C- | - | 8.1- | 22- | 10-2-6- - -4-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.11 | | | |
| 16-44 | 7736 | -113.7422 | -2-07- | 0-L19362 | -06/29/79-16- | 26-10.6- | - | 7.8- | 16- | 10-2-6-4-6-3-3-1-2-4-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.11 | | | |
| 16-44 | 7717 | -113.7242 | -2-07- | 0-L19363 | -06/29/79-16- | 26-11.7- | - | 7.7- | 25- | 15-2-6-2-6-3-3-1-2-1-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.06 | | | |
| 16-44 | 7694 | -113.7075 | -2-07- | 0-L19364 | -06/29/79-16- | 26-10.5- | - | 7.8- | 14- | 5-2-6-2-6-4-3-1-2-1-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.08 | | | |
| 16-44 | 7589 | -113.7004 | -2-07- | 0-L19365 | -06/29/79-17- | 25-9.5- | - | 8.1- | 23- | 8-2-6-2-6-4-3-1-2-1-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.11 | | | |
| 16-44 | 7661 | -113.6853 | -2-06- | 0-L19366 | -06/29/79-17- | 25-10.4- | - | 7.6- | 39- | 33-2-6-5-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.07 | | | |
| 16-44 | 8039 | -113.7006 | -2-07- | 0-L19367 | -06/29/79-18- | 26-7.7- | - | 8.4- | 20E- | 7-2-6-3-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.44 | | | |
| 16-44 | 8347 | -113.6736 | -2-07- | 0-L19370 | -06/29/79-19- | 26-18.6- | - | 8.7- | 303- | 5-2-6-3-6-3-3-2-2-4-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.72 | | | |
| 16-44 | 4403 | -113.6214 | -2-07- | 0-L19372 | -07/01/79-12- | 25-16.2- | - | 6.8- | 68- | 16-2-6-5-6-3-3-1-2-3-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.43 | | | |
| 16-44 | 4206 | -113.6383 | -2-06- | 0-L19373 | -07/01/79-12- | 26-10.6- | - | 7.1- | 171- | 12-1-6-5-6-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.56 | | |
| 16-44 | 4042 | -113.6297 | -2-06- | 0-L19374 | -07/01/79-13- | 26-13.2-C- | - | 7.6- | 176- | 12-1-6- - -3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.21 | | | |
| 16-44 | 3775 | -113.6178 | -2-07- | 0-L19376 | -07/01/79-13- | 27-15.4- | - | 7.6- | 14- | 12-1-6-3-6-4-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.11 | | | |
| 16-44 | 3459 | -113.5731 | -2-06- | 0-L19379 | -07/01/79-14- | 27-9.9- | - | 7.3- | 25- | 6-1-6-3-6-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.17 | | | |
| 16-44 | 3258 | -113.6047 | -2-07- | 0-L19380 | -07/01/79-14- | 27-21.3- | - | 8.9- | 77- | 5-1-6-3-6-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.15 | | | |
| 16-44 | 3092 | -113.6075 | -2-06- | 0-L19381 | -07/01/79-15- | 27-18.2- | - | 8.0- | 155- | 3-1-6-5-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.21 | | | |
| 16-44 | 3675 | -113.6311 | -2-07- | 0-L19382 | -07/01/79-16- | 27-12.3- | - | 7.9- | 165- | 3-1-6-3-6-4-3-1-2-4-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.83 | | | |
| 16-44 | 3692 | -113.6278 | -2-07- | 0-L19383 | -07/01/79-16- | 27-18.0- | - | 8.1- | 284- | 4-1-6-5-6-2-3-1-1-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.97 | | | |
| 16-44 | 4775 | -113.6672 | -2-07- | 0-L19384 | -07/01/79-16- | 26-10.1- | - | 8.0- | 22- | 10-1-6-3-6-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.45 | | | |
| 16-44 | 4900 | -113.6611 | -2-06- | 0-L19385 | -07/01/79-17- | 27-12.5- | - | 7.8- | 115- | 8-2-6-5-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.69 | | | |
| 16-44 | 4794 | -113.6589 | -2-06- | 0-L19386 | -07/01/79-17- | 26-13.8- | - | 8.0- | 130- | 11-2-6-5-8-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.26 | | | |
| 16-44 | 4661 | -113.6450 | -2-07- | 0-L19387 | -07/01/79-17- | 27-9.7- | - | 7.9- | 17- | 8-2-6-3-6-3-3-1-2-4-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.05 | | | |
| 16-44 | 4508 | -113.6256 | -2-06- | 0-L19388 | -07/01/79-18- | 27-18.2- | - | 8.0- | 267- | 10-2-6-5-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.21 | | |
| 16-44 | 5025 | -113.6831 | -2-06- | 0-L19389 | -07/01/79-18- | 26-13.7- | - | 8.0- | 82- | 6-2-6-5-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.37 | | |
| 16-44 | 7333 | -113.9294 | -2-07- | 0-L19391 | -07/02/79-15- | 27-7.5- | - | 7.7- | 5- | 5-2-6-2-6-3-3-1-2-2-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.35 | | | |
| 16-44 | 2842 | -113.5967 | -2-06- | 0-L19394 | -07/01/79-15- | 27-23.2- | - | 7.6- | 57- | 10-1-6-5-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.51 | | |
| 16-44 | 9303 | -113.7542 | -2-07- | 0-L19395 | -06/30/79-17- | 24-11.1- | - | 9.4- | 32- | 11-4-7-5-8-3-3-1-2-2-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.26 | | | |
| 16-44 | 5659 | -113.6372 | -2-07- | 0-L19396 | -07/02/79-15- | 25-8.4-C- | - | 4.9- | 44- | 14-2-7-4-6-4-3-1-2-1-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.86 | | | |
| 16-44 | 5344 | -113.6311 | -2-07- | 0-L19397 | -07/02/79-15- | 26-6.3-C- | - | 6.1- | 19- | 9-2-1-7-8-4-3-1-2-2-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.34 | | | |
| 16-44 | 5222 | -113.7269 | -2-07- | 0-L19398 | -07/02/79-16- | 27-9.5- | - | 5.5- | 54- | 15-2-1-4-7-3-3-1-2-2-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.76 | | | |
| 16-44 | 4206 | -113.7469 | -2-06- | 0-L19399 | -07/02/79-16- | 27-11.7-C- | - | 6.3- | 232- | 7-4-7-5-8-3- -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.94 | | |
| 16-44 | 4014 | -113.7214 | -2-06- | 0-L19400 | -07/02/79-16- | 29-5.3-C- | - | 9.6- | 243- | 8-4-7-5-8-2-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.60 | | |
| 16-44 | 4114 | -113.7231 | -2-06- | 0-L19401 | -07/02/79-16- | 28-13.3-C- | - | 7.4- | 278- | 9-4-7- - -3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.98 | | |
| 16-44 | 3977 | -113.7203 | -2-07- | 0-L19402 | -07/02/79-17- | 28-16.3- | - | 6.4- | 235- | 9-4-7-5-8-2-2-1-2-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.74 | | |
| 16-44 | 3989 | -113.7056 | -2-07- | 0-L19403 | -07/02/79-17- | 26-16.3- | - | 7.0- | 232- | 7-4-7-4-8-3-3-1-2-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.30 | | |
| 16-44 | 4075 | -113.7036 | -2-07- | 0-L19404 | -07/02/79-17- | 26-17.9- | - | 7.3- | 416- | 5-4-1-5-8-3-3-1-1-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | C.27 | | |
| 16-44 | 4086 | -113.7039 | -2-07- | 0-L19405 | -07/02/79-17- | 27-18.1- | - | 7.9- | 519- | 3-4-1-5-6-3-3-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.92 | | |
| 16-44 | 5522 | -113.7436 | -2-06- | 0-L19409 | -07/02/79-20- | 23-10.7-C- | - | 7.9- | 31- | 3-4-3-5-8-2-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.03 | | |
| 16-44 | 1444 | -113.2558 | -2-07- | 0-L19410 | -07/03/79-19- | 26-20.7- | - | 8.1- | 303- | 8-4-7-4-6-3-2-1-2-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.19 | | |
| 16-44 | 1458 | -113.3625 | -2-07- | 0-L19412 | -07/03/7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B

Listings of Field Data and Elemental Concentrations
for Sediment Samples from the Dubois Quadrangle, Idaho/Montana
(Pages 30 through 157)

Note that four pages, numbered ① through ④ in the upper right hand corner, are necessary to provide the complete data listing for each numerically ordered sequence of samples.

- ① - Lists field data and uranium concentrations determined by delayed-neutron counting.
- ② - Lists concentrations of 14 elements determined by x-ray fluorescence and arc-source emission spectrography.
- ③ and ④ - List concentrations of 31 elements determined by neutron activation analysis and computed U/Th ratios.

(See Appendix II-B for Code to Listings)

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------|---|----|-----|-----|----|----|------|------|----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 30-44.9927-113.2292-2-15- | 0-118001 | -5 | -5 | -5 | 12 | -20 | -15 | 14 | -10 | -15 | 16 | -5 | 228 | 2 | 17 | | | | | | |
| 30-44.9764-113.2519-2-12- | 0-118002 | -5 | -5 | -5 | 20 | -20 | 16 | 13 | -10 | -15 | 13 | -5 | 358 | 2 | 29 | | | | | | |
| 30-44.9814-113.2639-2-12- | 0-118003 | -5 | -5 | -5 | 24 | 33 | -15 | 9 | -10 | -15 | 10 | -5 | 480 | 1 | 19 | | | | | | |
| 30-44.9631-113.3342-2-12- | 0-118004 | -5 | -5 | -5 | -10 | 24 | -15 | -5 | -10 | -15 | 9 | -5 | 531 | 1 | 12 | | | | | | |
| 30-44.9577-113.3506-2-12- | 0-118005 | -5 | -5 | -5 | -10 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 429 | 2 | 19 | | | | | | |
| 30-44.9592-113.4017-2-12- | 0-118006 | -5 | -5 | -5 | 19 | -20 | -15 | 8 | -10 | -15 | 9 | -5 | 288 | 2 | 18 | | | | | | |
| 30-44.9710-113.4269-2-12- | 0-118007 | -5 | -5 | -5 | 16 | -20 | -15 | 13 | -10 | -15 | -5 | -5 | 452 | 2 | 22 | | | | | | |
| 30-44.9894-113.4017-2-12- | 0-118008 | -5 | -5 | -5 | -10 | 27 | -15 | -5 | -10 | -15 | 11 | -5 | 337 | 2 | 18 | | | | | | |
| 30-44.9875-112.7528-2-12- | 0-118009 | -5 | -5 | -5 | 22 | 58 | -15 | 8 | -10 | -15 | 39 | 11 | -5 | 429 | 1 | 14 | | | | | |
| 30-44.9883-112.7519-2-12- | 0-118010 | -5 | -5 | -5 | 20 | 32 | -15 | -5 | -10 | -15 | 10 | -5 | 300 | -1 | 13 | | | | | | |
| 30-44.8797-112.8333-2-15- | 0-118011 | -5 | -5 | -5 | 27 | -20 | -15 | 19 | -10 | -15 | 10 | -5 | 188 | 1 | 26 | | | | | | |
| 30-44.8742-112.8292-2-15- | 0-118012 | -5 | -5 | -5 | 22 | 27 | -15 | 7 | -10 | -15 | 8 | -5 | 245 | -1 | 19 | | | | | | |
| 30-44.8478-112.7083-2-15- | 0-118013 | -5 | -5 | -5 | 21 | 28 | -15 | 12 | -10 | -15 | 9 | -5 | 254 | 1 | 26 | | | | | | |
| 30-44.8339-112.7853-2-15- | 0-118014 | -5 | -5 | -5 | 29 | -20 | -15 | 9 | -10 | -15 | 9 | -5 | 140 | 1 | 25 | | | | | | |
| 30-44.8183-112.7719-2-15- | 0-118015 | -5 | -5 | -5 | 25 | -20 | -15 | 18 | -10 | -15 | -5 | -5 | 208 | -1 | 20 | | | | | | |
| 30-44.7878-112.8189-2-15- | 0-118016 | -5 | -5 | -5 | -10 | 21 | 16 | 7 | -10 | -15 | 8 | -5 | 163 | -1 | 33 | | | | | | |
| 30-44.9514-112.3614-2-15- | 0-118017 | -5 | -5 | -5 | 17 | -20 | -15 | 8 | -10 | -15 | 20 | -5 | 288 | -1 | 20 | | | | | | |
| 30-44.9539-112.2989-2-15- | 0-118018 | -5 | -5 | -5 | 50 | 33 | 27 | 10 | -10 | -15 | 17 | -5 | 472 | 1 | 30 | | | | | | |
| 30-44.9083-113.0681-2-12- | 0-118019 | -5 | -5 | -5 | 21 | 25 | 39 | 10 | -10 | -15 | 10 | -5 | 182 | 1 | 25 | | | | | | |
| 30-44.9853-113.0761-2-12- | 0-118020 | -5 | -5 | -5 | 17 | 39 | 21 | -5 | -10 | -15 | 22 | -5 | 224 | 1 | 29 | | | | | | |
| 30-44.9858-113.0767-2-12- | 0-118021 | -5 | -5 | -5 | 24 | -20 | -15 | -5 | -10 | -15 | 85 | -5 | 93 | -1 | 15 | | | | | | |
| 30-44.9356-112.1075-2-12- | 0-118022 | -5 | -5 | -5 | 28 | -20 | -15 | 9 | -10 | -15 | 17 | -5 | 316 | 1 | 17 | | | | | | |
| 30-44.9208-113.1014-2-12- | 0-118023 | -5 | -5 | -5 | 20 | 33 | 30 | 17 | -10 | -15 | 10 | -5 | 1028 | 2 | 27 | | | | | | |
| 30-44.9081-113.0675-2-12- | 0-118024 | 10 | 6 | -5 | -10 | 50 | 35 | 22 | -10 | -15 | 26 | 12 | -5 | 3588 | 2 | 25 | | | | | |
| 30-44.9069-113.0206-2-12- | 0-118025 | -5 | -5 | -5 | -10 | -20 | 31 | 10 | -10 | -15 | 16 | -5 | 440 | 2 | 37 | | | | | | |
| 30-44.9236-113.0153-2-15- | 0-118026 | -5 | -5 | -5 | 16 | -20 | 24 | 16 | -10 | -15 | -5 | -5 | 386 | 2 | 29 | | | | | | |
| 30-44.9328-113.0128-2-15- | 0-118027 | -5 | -5 | -5 | 39 | -20 | -15 | 15 | -10 | -15 | 13 | -5 | 311 | 2 | 27 | | | | | | |
| 30-44.8222-113.2889-2-12- | 0-118028 | -5 | -5 | -5 | 22 | -20 | 18 | 17 | -10 | -15 | 14 | -5 | 375 | 2 | 29 | | | | | | |
| 30-44.8161-113.2853-2-12- | 0-118029 | -5 | -5 | -5 | 24 | -20 | 27 | 9 | -10 | -15 | 6 | -5 | 286 | 2 | 20 | | | | | | |
| 30-44.8514-113.2750-2-12- | 0-118030 | -5 | -5 | -5 | 18 | -20 | -15 | 6 | -10 | -15 | 22 | 14 | -5 | 350 | 2 | 26 | | | | | |
| 30-44.9547-112.9167-2-15- | 0-118031 | -5 | -5 | -5 | -10 | 28 | -15 | 15 | -10 | -15 | 9 | -5 | 180 | 1 | 31 | | | | | | |
| 30-44.9675-112.9386-2-15- | 0-118032 | -5 | -5 | -5 | 13 | -20 | -15 | 7 | -10 | -15 | 15 | -5 | 233 | 1 | 23 | | | | | | |
| 30-44.9861-112.9767-2-12- | 0-118033 | -5 | -5 | -5 | 16 | -20 | 38 | 12 | -10 | -15 | 7 | -5 | 327 | 2 | 30 | | | | | | |
| 30-44.9922-112.9217-2-15- | 0-118034 | -5 | -5 | -5 | 26 | 21 | -15 | 17 | -10 | -15 | 13 | -5 | 236 | 1 | 26 | | | | | | |
| 30-44.9936-112.9225-2-15- | 0-118035 | -5 | -5 | -5 | 27 | 25 | 23 | 5 | -10 | -15 | 12 | -5 | 270 | -1 | 28 | | | | | | |
| 30-44.9650-112.3256-2-15- | 0-118036 | -5 | -5 | -5 | 16 | 32 | -15 | 19 | -10 | -15 | -5 | -5 | 320 | 1 | 20 | | | | | | |
| 30-44.8656-112.3500-2-12- | 0-118037 | -5 | -5 | -5 | -10 | -20 | -15 | 6 | -10 | -15 | 11 | -5 | 263 | 1 | 20 | | | | | | |
| 30-44.8592-112.2964-2-12- | 0-118038 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | | | | | | |
| 30-44.8267-112.2764-2-12- | 0-118039 | -5 | -5 | -5 | 10 | -20 | 16 | -5 | -10 | -15 | 35 | -5 | 338 | -1 | 22 | | | | | | |
| 30-44.9639-112.3256-2-15- | 0-118040 | -5 | -5 | -5 | 16 | -20 | -15 | 11 | -10 | -15 | 7 | -5 | 270 | 2 | 27 | | | | | | |
| 30-44.9758-112.3089-2-15- | 0-118041 | -5 | -5 | -5 | 20 | 20 | -15 | 12 | -10 | -15 | 8 | -5 | 292 | 2 | 22 | | | | | | |
| 30-44.9461-112.2636-2-11- | 0-118042 | -5 | -5 | -5 | 19 | -20 | 19 | 11 | -10 | -15 | -5 | -5 | 475 | 2 | 22 | | | | | | |
| 30-44.7722-112.3019-2-12- | 0-118043 | -5 | -5 | -5 | 12 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 592 | -1 | 20 | | | | | | |
| 30-44.8411-112.3083-2-12- | 0-118044 | -5 | -5 | -5 | 12 | -20 | -15 | 6 | -10 | -15 | 14 | -5 | 385 | 2 | 25 | | | | | | |
| 30-44.8611-112.2708-2-15- | 0-118045 | -5 | -5 | -5 | 34 | -20 | -15 | 11 | -10 | -15 | 15 | 10 | -5 | 213 | 2 | 42 | | | | | |
| 30-44.8736-112.3000-2-12- | 0-118046 | -5 | -5 | -5 | 18 | 33 | -15 | 12 | -10 | -15 | 21 | -5 | 585 | 2 | 25 | | | | | | |
| 30-44.8597-112.3289-2-12- | 0-118047 | -5 | -5 | -5 | -10 | -20 | -15 | 5 | -10 | -15 | 7 | -5 | 413 | 2 | 24 | | | | | | |
| 30-44.8769-112.2550-2-12- | 0-118048 | -5 | -5 | -5 | 20 | 34 | 23 | 16 | -10 | -15 | 20 | 17 | -5 | 1621 | 2 | 38 | | | | | |
| 30-44.8458-112.2344-2-12- | 0-118049 | -5 | -5 | -5 | -10 | 45 | 29 | 14 | -10 | -15 | 21 | -5 | 4366 | -1 | 31 | | | | | | |
| 30-44.8531-112.2444-2-12- | 0-118050 | -5 | -5 | -5 | 21 | -20 | -15 | 9 | -10 | -15 | 13 | -5 | 379 | 2 | 29 | | | | | | |
| 30-44.8658-112.2569-2-12- | 0-118051 | -5 | -5 | -5 | 14 | -20 | 22 | 14 | -10 | -15 | 20 | 15 | -5 | 307 | 2 | 34 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|-------------------|---------------|-----------|----------|-------------|----------|----------------------------|--|-------|--------|-----|-------|------|-----|------|-----|-----|-------|-------|--------|-----|------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REF/DATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La |
| 30-44 | 9922-113.2292 | -2-15- | 0-119001 | | | 56270 | -0.08 | 601 | 15130 | 83 | -92 | 11.2 | 54 | 5.4 | 4 | 1.9 | 24270 | 9.7 | 16450 | 42 | 0.5 |
| 30-44 | 9764-113.2519 | -2-12- | 0-119002 | | | 67460 | -0.10 | 1125 | 14850 | 106 | 179 | 10.7 | 66 | 6.9 | 8 | 2.4 | 28220 | 15.4 | 26820 | 46 | 0.7 |
| 30-44 | 9814-113.2625 | -2-12- | 0-119003 | | | 58140 | -0.10 | 795 | 16780 | 97 | -117 | 8.6 | 121 | 4.5 | 6 | 2.0 | 29010 | 21.6 | 19950 | 38 | 0.7 |
| 30-44 | 9631-113.3242 | -2-12- | 0-119004 | | | 49290 | -0.09 | 556 | 9542 | 66 | -82 | 7.9 | 166 | 5.4 | 5 | 1.8 | 18190 | 25.5 | 12710 | 41 | 0.6 |
| 30-44 | 9572-113.3906 | -2-12- | 0-119005 | | | 58770 | -0.09 | 643 | 7547 | 77 | 163 | 9.6 | 57 | 6.2 | 7 | 1.7 | 18590 | 18.0 | 16720 | 35 | 0.5 |
| 30-44 | 9592-113.4017 | -2-12- | 0-119006 | | | 59090 | -0.10 | 760 | 13980 | 75 | -102 | 14.3 | 238 | 11.6 | 7 | 2.4 | 27590 | 11.8 | 16310 | 29 | 0.5 |
| 30-44 | 9719-113.4366 | -2-12- | 0-119007 | | | 59950 | -0.10 | 491 | 5609 | 79 | -104 | 7.7 | 65 | 6.8 | 8 | 1.9 | 23080 | 21.3 | 19130 | 23 | 0.7 |
| 30-44 | 9994-113.4017 | -2-12- | 0-119008 | | | 59010 | -0.08 | 579 | 4994 | 85 | 194 | 9.1 | 38 | 3.9 | 7 | 1.9 | 20530 | 15.7 | 18840 | 35 | 0.6 |
| 30-44 | 9875-112.7722 | -2-12- | 0-119009 | | | 62110 | -0.09 | 614 | 24920 | 129 | -97 | 9.2 | 22 | 2.9 | 6 | 2.5 | 69440 | 19.4 | 16690 | 76 | 0.7 |
| 30-44 | 9883-112.7519 | -2-12- | 0-119010 | | | 75120 | -0.11 | 1017 | 38610 | 90 | -123 | 25.1 | 33 | -1.7 | 4 | 2.6 | 83460 | 11.7 | 11230 | 43 | 0.3 |
| 30-44 | 8797-112.8333 | -2-15- | 0-119011 | | | 39810 | -0.10 | 347 | 85140 | 81 | -91 | 11.5 | 75 | 5.5 | 5 | 1.7 | 27190 | 8.7 | 16350 | 37 | 0.4 |
| 30-44 | 8742-112.8292 | -2-15- | 0-119012 | | | 37700 | -0.07 | 408 | 81120 | 54 | -75 | 6.9 | 48 | 3.9 | 4 | 1.3 | 17320 | 11.1 | 14610 | 23 | 0.4 |
| 30-44 | 8478-112.7982 | -2-15- | 0-119013 | | | 43310 | -0.08 | 562 | 75470 | 57 | 131 | 7.8 | 49 | 4.0 | 5 | 1.4 | 20790 | 10.6 | 14080 | 32 | 0.4 |
| 30-44 | 8339-112.7652 | -2-15- | 0-119014 | | | 47610 | -0.09 | 587 | 98120 | 60 | 126 | 8.1 | 45 | 4.3 | 4 | 1.6 | 18900 | 5.6 | 15260 | 27 | 0.3 |
| 30-44 | 8182-112.7719 | -2-15- | 0-119015 | | | 45020 | -0.10 | 550 | 63040 | 62 | 178 | 9.1 | 62 | 4.9 | 4 | 1.7 | 24060 | 10.8 | 19710 | 38 | 0.5 |
| 30-44 | 7878-112.8189 | -2-15- | 0-119016 | | | 51050 | -0.09 | 550 | 73750 | 54 | 123 | 9.1 | 58 | 5.9 | 4 | 1.3 | 22000 | 7.3 | 17490 | 25 | 0.4 |
| 30-44 | 9514-112.3614 | -2-15- | 0-119017 | | | 41770 | -0.08 | 660 | 33200 | 62 | -68 | 6.0 | 44 | 2.7 | 5 | 1.0 | 19300 | 12.5 | 15950 | 36 | 0.3 |
| 30-44 | 9539-112.2989 | -2-15- | 0-119018 | | | 70220 | -0.15 | 582 | 22530 | 207 | -120 | 15.6 | 91 | 4.2 | 9 | 1.8 | 58310 | 22.5 | 18030 | 78 | 0.6 |
| 30-44 | 9883-113.0691 | -2-12- | 0-119019 | | | 54810 | -0.13 | 723 | 53460 | 83 | 429 | 16.4 | 184 | 9.1 | 5 | 2.0 | 38120 | 8.8 | 16610 | 42 | 0.4 |
| 30-44 | 9853-113.0761 | -2-12- | 0-119020 | | | 83890 | -0.10 | 1212 | 73930 | 74 | -178 | 13.9 | 105 | 5.9 | 7 | 1.7 | 30360 | 9.8 | 25980 | 39 | 0.4 |
| 30-44 | 9858-113.0767 | -2-12- | 0-119021 | | | -17040 | -0.12 | -1908 | 102100 | 25 | -1417 | 13.3 | -15 | -2.6 | -14 | 0.7 | 39020 | 2.8 | -59970 | -6 | -0.1 |
| 30-44 | 9356-113.1075 | -2-12- | 0-119022 | | | 51040 | -0.10 | 896 | 21250 | 88 | -86 | 9.6 | 62 | 5.2 | 7 | 2.0 | 23680 | 15.3 | 21430 | 33 | 0.7 |
| 30-44 | 9208-113.1014 | -2-12- | 0-119023 | | | 66130 | -0.14 | 1159 | 17990 | 159 | 120 | 22.6 | 188 | 8.3 | 9 | 3.8 | 54850 | 58.7 | 20720 | 80 | 1.2 |
| 30-44 | 9081-113.0675 | -2-12- | 0-119024 | | | 64010 | -0.12 | 1288 | 12740 | 225 | 221 | 13.7 | 122 | 4.2 | 24 | 5.6 | 50710 | 184.0 | 35720 | 122 | 3.1 |
| 30-44 | 9083-113.0206 | -2-12- | 0-119025 | | | 74770 | -0.11 | 1025 | 18310 | 111 | -91 | 21.9 | 179 | 6.6 | 7 | 2.4 | 47740 | 18.2 | 19480 | 62 | 0.6 |
| 30-44 | 9234-113.0152 | -2-15- | 0-119026 | | | 58190 | -0.10 | 756 | 28050 | 108 | 140 | 11.3 | 96 | 5.0 | 6 | 2.0 | 27250 | 17.6 | 20720 | 43 | 0.6 |
| 30-44 | 9328-113.0128 | -2-15- | 0-119027 | | | 54550 | -0.12 | 521 | 27760 | 88 | 153 | 16.7 | 145 | 6.5 | 6 | 2.0 | 34200 | 14.8 | 18660 | 44 | 0.5 |
| 30-44 | 8222-113.2889 | -2-12- | 0-119028 | | | 70690 | -0.11 | 821 | 11490 | 90 | -91 | 13.4 | 74 | 7.8 | 9 | 2.7 | 25920 | 13.6 | 22240 | 41 | 0.8 |
| 30-44 | 8161-113.2852 | -2-12- | 0-119029 | | | 58240 | -0.10 | 752 | 30160 | 65 | -91 | 18.4 | 148 | 3.5 | 5 | 1.8 | 39130 | 10.1 | 15010 | 45 | 0.4 |
| 30-44 | 8514-113.2750 | -2-12- | 0-119030 | | | 66040 | -0.11 | 838 | 13470 | 84 | -95 | 5.6 | 74 | 5.6 | 6 | 2.1 | 24700 | 14.7 | 18810 | 25 | 0.5 |
| 30-44 | 9547-112.9167 | -2-15- | 0-119031 | | | 50220 | -0.08 | 652 | 63670 | 67 | -96 | 9.4 | 60 | 5.0 | 4 | 1.4 | 20730 | 8.3 | 16950 | 25 | 0.4 |
| 30-44 | 9675-112.9286 | -2-15- | 0-119032 | | | 42690 | -0.08 | 511 | 41220 | 65 | -78 | 9.1 | 55 | 4.1 | 4 | 1.5 | 20550 | 8.9 | 17090 | 30 | 0.4 |
| 30-44 | 9861-112.9767 | -2-12- | 0-119033 | | | 54250 | -0.11 | 846 | 32080 | 100 | -103 | 12.5 | 147 | 6.3 | 6 | 2.0 | 27180 | 14.8 | 24430 | 47 | 0.5 |
| 30-44 | 9922-112.9217 | -2-15- | 0-119034 | | | 48640 | -0.11 | 392 | 25290 | 73 | 175 | 12.2 | 69 | 6.5 | 6 | 1.9 | 28610 | 10.9 | 19700 | 41 | 0.5 |
| 30-44 | 9936-112.9225 | -2-15- | 0-119035 | | | 38060 | -0.08 | 334 | 52860 | 57 | -62 | 5.9 | 92 | 4.2 | 4 | 1.2 | 19980 | 10.0 | 15830 | 29 | 0.4 |
| 30-44 | 9650-112.3256 | -2-15- | 0-119036 | | | 49280 | -0.09 | 622 | 32620 | 71 | -76 | 7.7 | 52 | 3.6 | 6 | 1.3 | 27880 | 13.3 | 18290 | 42 | 0.4 |
| 30-44 | 8654-112.3500 | -2-12- | 0-119037 | | | 40720 | -0.09 | 703 | 63590 | 61 | -89 | 3.4 | 28 | 2.2 | 4 | 1.2 | 12270 | 11.3 | 14370 | 29 | 0.4 |
| 30-44 | 8592-112.2964 | -2-12- | 0-119038 | | | 44200 | -0.12 | 564 | 48580 | 81 | -90 | 7.8 | 74 | 8.0 | 6 | 1.4 | 29580 | 17.5 | 14790 | 41 | 0.6 |
| 30-44 | 8267-112.2764 | -2-12- | 0-119039 | | | 37590 | -0.07 | 405 | 50760 | 63 | -73 | 8.8 | 66 | 4.5 | 4 | 0.9 | 22580 | 14.1 | 11690 | 29 | 0.4 |
| 30-44 | 9639-112.3256 | -2-15- | 0-119040 | | | 56400 | -0.10 | 655 | 29870 | 97 | -76 | 9.0 | 58 | 4.6 | 7 | 1.2 | 28850 | 10.8 | 17140 | 45 | 0.5 |
| 30-44 | 9758-112.3089 | -2-15- | 0-119041 | | | 48250 | -0.09 | 679 | 14040 | 77 | -77 | 9.0 | 58 | 4.6 | 5 | 1.3 | 27970 | 12.9 | 13280 | 39 | 0.5 |
| 30-44 | 9461-112.2636 | -2-11- | 0-119042 | | | 48780 | -0.12 | 654 | 30970 | 97 | -96 | 9.9 | 66 | 2.9 | 6 | 1.3 | 30830 | 18.2 | 20120 | 45 | 0.6 |
| 30-44 | 7722-112.3019 | -2-12- | 0-119043 | | | 20940 | -0.11 | -122 | 44020 | 80 | -59 | 7.3 | 58 | 2.9 | 4 | 1.4 | 24880 | 31.0 | 6840 | 51 | 0.6 |
| 30-44 | 8411-113.3082 | -2-12- | 0-119044 | | | 64550 | -0.10 | 848 | 13290 | 80 | -85 | 9.5 | 70 | 7.0 | 7 | 2.0 | 26100 | 17.0 | 20070 | 43 | 0.5 |
| 30-44 | 8611-113.2708 | -2-15- | 0-119045 | | | 69650 | -0.10 | 760 | 14160 | 73 | 228 | 12.1 | 74 | 5.4 | 5 | 1.9 | 27560 | 8.6 | 17720 | 38 | 0.4 |
| 30-44 | 8736-112.3000 | -2-12- | 0-119046 | | | 59310 | -0.10 | 837 | 7960 | 82 | -92 | 7.8 | 118 | 3.6 | 7 | 1.9 | 22120 | 28.6 | 20310 | 42 | 0.8 |
| 30-44 | 8907-113.3389 | -2-12- | 0-119047 | | | 56800 | -0.10 | 619 | 4928 | 76 | -85 | 7.6 | 79 | 4.7 | 7 | 2.0 | 22260 | 20.6 | 16640 | 39 | 0.8 |
| 30-44 | 8765-113.2552 | -2-12- | 0-119048 | | | 68880 | -0.11 | 1115 | 13440 | 210 | 232 | 14.0 | 176 | 5.1 | 18 | 3.9 | 37100 | 69.7 | 33540 | 103 | 1.7 |
| 30-44 | 8459-113.2344 | -2-12- | 0-119049 | | | 61380 | -0.13 | 1011 | 12180 | 197 | 326 | 12.2 | 118 | 4.2 | 23 | 4.8 | 40120 | 210.0 | 30550 | 118 | 3.1 |
| 30-44 | 8531-113.2444 | -2-12- | 0-119050 | | | 57880 | -0.12 | 682 | 7324 | 92 | 196 | 11.1 | 60 | 6.8 | 7 | 2.4 | 21660 | 17.5 | 20270 | 41 | 0.7 |
| 30-44 | 8658-113.2555 | -2-12- | 0-119051 | | | 64510 | -0.13 | 829 | 15770 | 103 | 146 | 13.8 | 97 | 8.5 | 6 | 2.3 | 32980 | 15.8 | 18650 | 46 | 0.6 |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE | REPLICATE | LAB. SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | | | U/Th RATIO |
|-------------------|----------|-----------|---------|-------------|-----------|------------------------|-----------|-----------------------------------|---|------|------|------|----|----|------|-------|------|------|------|-------|---|----|----|--|---------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | |
| | | | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | Zn | | |
| 30-44 | 9927 | -113.2797 | -2-15- | 0-119001 | 2210 | 102 | 1411 | 78 | -2 | 7.1 | 5.5 | -272 | -1 | -1 | 9.0 | 2143 | 40 | 4.1 | 78 | 0.322 | | | | | |
| 30-44 | 9754 | -113.2519 | -2-12- | 0-119002 | 6944 | 803 | 15970 | 111 | -2 | 9.2 | 8.5 | -271 | -1 | -1 | 15.3 | 4007 | 56 | 5.5 | 118 | 0.235 | | | | | |
| 30-44 | 9914 | -113.2639 | -2-12- | 0-119003 | 3722 | 1276 | 14390 | 47 | -2 | 7.6 | 7.2 | -303 | -1 | -1 | 12.6 | 4918 | 66 | 5.2 | 75 | 0.317 | | | | | |
| 30-44 | 9931 | -113.2342 | -2-12- | 0-119004 | 4707 | 196 | 17190 | 59 | -2 | 7.7 | 5.7 | 348 | -1 | -1 | 11.6 | 2712 | 36 | 5.3 | 60 | 0.414 | | | | | |
| 30-44 | 9577 | -113.2506 | -2-12- | 0-119005 | 4404 | 618 | 18710 | -24 | -2 | 7.3 | 5.9 | -272 | -1 | -1 | 10.6 | 2609 | 42 | 4.4 | 45 | 0.406 | | | | | |
| 30-44 | 9592 | -113.4017 | -2-12- | 0-119006 | 7064 | 1144 | 18070 | 57 | -2 | 10.3 | 7.7 | -307 | -1 | -1 | 10.1 | 2969 | 64 | 4.7 | 106 | 0.485 | | | | | |
| 30-44 | 9712 | -113.4369 | -2-12- | 0-119007 | 6007 | 406 | 18180 | 50 | -2 | 7.6 | 7.7 | -211 | -1 | -1 | 13.4 | 3575 | 45 | 5.3 | 99 | 0.388 | | | | | |
| 30-44 | 9994 | -113.4017 | -2-12- | 0-119008 | 5127 | 577 | 17820 | 56 | -2 | 7.7 | 6.2 | -250 | -1 | -1 | 9.5 | 2179 | 43 | 5.6 | 41 | 0.417 | | | | | |
| 30-44 | 9975 | -112.7528 | -2-12- | 0-119009 | 4412 | 768 | 20260 | -30 | -2 | 6.0 | 10.0 | +10 | 3 | 2 | 23.5 | 3120 | 133 | 6.5 | 91 | 0.357 | | | | | |
| 30-44 | 9987 | -112.7519 | -2-12- | 0-119010 | 7069 | 1547 | 21110 | -31 | -3 | 10.7 | 6.5 | 362 | -1 | 1 | 6.4 | 7368 | 154 | 3.1 | 155 | 0.234 | | | | | |
| 30-44 | 9777 | -112.9233 | -2-15- | 0-119011 | 18630 | 1010 | 6552 | 64 | -2 | 8.6 | 7.7 | -249 | -1 | -1 | 11.2 | 2456 | 52 | 3.8 | 145 | 0.268 | | | | | |
| 30-44 | 8742 | -112.8292 | -2-15- | 0-119012 | 14200 | 652 | 7326 | -19 | -2 | 5.5 | -0.8 | -236 | -1 | -1 | 8.2 | 1891 | 56 | 3.4 | 93 | 0.366 | | | | | |
| 30-44 | 8478 | -112.7983 | -2-15- | 0-119013 | 12690 | 896 | 7576 | 42 | -2 | 6.7 | 5.3 | -211 | -1 | -1 | 8.2 | 3186 | 50 | 3.9 | 113 | 0.295 | | | | | |
| 30-44 | 8338 | -112.7853 | -2-15- | 0-119014 | 10679 | 554 | 7258 | 52 | -2 | 6.8 | 5.5 | -209 | -1 | -1 | 8.2 | 2579 | 60 | 3.0 | 94 | 0.244 | | | | | |
| 30-44 | 8183 | -112.7719 | -2-15- | 0-119015 | 9247 | 425 | 9930 | 73 | -2 | 7.9 | 5.2 | -187 | -1 | -1 | 10.6 | 2317 | 63 | 3.7 | 112 | 0.264 | | | | | |
| 30-44 | 7378 | -112.8189 | -2-15- | 0-119016 | 15210 | 691 | 6643 | -24 | -2 | 7.7 | 4.5 | -242 | -1 | -1 | 8.2 | 2370 | 56 | -1.7 | 91 | 0.366 | | | | | |
| 30-44 | 9514 | -112.2614 | -2-16- | 0-119017 | 7772 | 677 | 7041 | 40 | -2 | 5.8 | 5.5 | -221 | -1 | -1 | 10.0 | 3126 | 52 | 3.8 | 74 | 0.290 | | | | | |
| 30-44 | 9579 | -112.2989 | -2-15- | 0-119018 | 16950 | 1557 | 12246 | 76 | -4 | 20.5 | 13.4 | -349 | -2 | -1 | 33.0 | 7308 | 142 | 6.5 | -42 | 0.127 | | | | | |
| 30-44 | 9983 | -112.0681 | -2-12- | 0-119019 | 6537 | 1192 | 9753 | 71 | -3 | 11.7 | 7.8 | -502 | -1 | -1 | 13.0 | 3080 | 50 | -2.2 | 132 | 0.215 | | | | | |
| 30-44 | 9953 | -113.0761 | -2-12- | 0-119020 | 9086 | 2670 | 17390 | 80 | -2 | 8.9 | 5.3 | -623 | -1 | -1 | 9.8 | 5411 | 72 | 3.7 | 88 | 0.543 | | | | | |
| 30-44 | 9959 | -113.0767 | -2-12- | 0-119021 | -24970 | 33060 | 4072 | -59 | -3 | 4.6 | 2.1 | | -3 | -1 | 4.1 | -9069 | -124 | -2.4 | -26 | 0.415 | | | | | |
| 30-44 | 9356 | -113.1075 | -2-12- | 0-119022 | 7311 | 914 | 8262 | 50 | -2 | 8.1 | 6.6 | -249 | -1 | -1 | 11.6 | 2765 | 59 | 4.5 | 67 | 0.302 | | | | | |
| 30-44 | 9208 | -113.1014 | -2-12- | 0-119023 | 7583 | 691 | 16240 | 124 | -3 | 13.5 | 12.1 | -224 | -1 | 2 | 18.9 | 6134 | 116 | 8.9 | 176 | 0.317 | | | | | |
| 30-44 | 9081 | -113.0675 | -2-12- | 0-119024 | 4872 | 520 | 13870 | 109 | -3 | 10.3 | 17.7 | -199 | 6 | 3 | 37.1 | 10710 | 81 | 25.4 | 126 | 0.399 | | | | | |
| 30-44 | 9069 | -113.0306 | -2-12- | 0-119025 | 10110 | 630 | 17090 | 90 | -3 | 13.7 | 9.2 | 389 | -1 | -1 | 19.5 | 6971 | 124 | 4.7 | 90 | 0.215 | | | | | |
| 30-44 | 9234 | -113.0153 | -2-15- | 0-119026 | 8668 | 771 | 11110 | 75 | -2 | 9.0 | 7.6 | -235 | -1 | -1 | 13.5 | 3689 | 60 | 4.4 | 108 | 0.274 | | | | | |
| 30-44 | 9223 | -113.0128 | -2-15- | 0-119027 | 9024 | 752 | 10710 | 82 | -3 | 12.0 | 7.6 | -224 | -1 | -1 | 13.8 | 3607 | 65 | 5.0 | 110 | 0.232 | | | | | |
| 30-44 | 9222 | -113.2889 | -2-12- | 0-119028 | 5519 | 722 | 9656 | 89 | -3 | 10.8 | -1.1 | -285 | -1 | -1 | 13.1 | 3769 | 73 | 3.5 | 83 | 0.366 | | | | | |
| 30-44 | 8161 | -113.2853 | -2-12- | 0-119029 | 11830 | 1012 | 13090 | 80 | -2 | 12.2 | 5.3 | -269 | -1 | -1 | 10.6 | 3689 | 96 | 3.9 | 82 | 0.255 | | | | | |
| 30-44 | 8514 | -113.2750 | -2-12- | 0-119030 | 6600 | 522 | 13780 | 59 | -2 | 8.3 | 6.4 | -219 | -1 | -1 | 12.4 | 4303 | 57 | 4.7 | 64 | 0.468 | | | | | |
| 30-44 | 9547 | -112.9167 | -2-15- | 0-119031 | 9102 | 1196 | 9677 | 55 | -2 | 7.1 | 5.6 | -319 | -1 | -1 | 8.6 | 1868 | 49 | 3.7 | 66 | 0.307 | | | | | |
| 30-44 | 9675 | -112.9386 | -2-15- | 0-119032 | 9809 | 1252 | 6981 | 56 | -2 | 7.1 | 6.0 | -281 | 1 | 1 | 8.9 | 2552 | 53 | -1.2 | 79 | 0.303 | | | | | |
| 30-44 | 9961 | -112.9767 | -2-12- | 0-119033 | 10260 | 1146 | 8907 | 77 | -2 | 8.8 | 7.5 | -285 | -1 | -1 | 13.7 | 3256 | 56 | 4.9 | 81 | 0.255 | | | | | |
| 30-44 | 9922 | -112.9217 | -2-15- | 0-119034 | 7896 | 887 | 8719 | 70 | -2 | 9.4 | 6.3 | -248 | -1 | -1 | 12.8 | 2335 | 51 | 6.1 | 120 | 0.234 | | | | | |
| 30-44 | 9936 | -112.9225 | -2-15- | 0-119035 | 11950 | 815 | 5101 | 48 | -2 | 7.2 | 4.7 | -229 | -1 | | 8.4 | 2486 | 55 | -1.1 | 50 | 0.369 | | | | | |
| 30-44 | 9650 | -112.3256 | -2-15- | 0-119036 | 6353 | 655 | 7916 | 61 | -2 | 7.0 | 6.7 | -239 | -1 | 1 | 12.1 | 4175 | 65 | 4.4 | 142 | 0.231 | | | | | |
| 30-44 | 8656 | -112.2500 | -2-12- | 0-119037 | 7102 | 630 | 7516 | 26 | -2 | 4.5 | 4.7 | -234 | -1 | -1 | 7.9 | 2105 | 36 | 3.1 | 51 | 0.367 | | | | | |
| 30-44 | 8592 | -112.2564 | -2-12- | 0-119038 | 5656 | 665 | 6152 | 92 | -3 | 8.8 | 7.6 | -231 | -1 | -1 | 14.5 | 3164 | 58 | 6.4 | -109 | 0.193 | | | | | |
| 30-44 | 8267 | -112.2764 | -2-12- | 0-119039 | 2646 | 906 | 3497 | -27 | -2 | 6.4 | 5.2 | -227 | -1 | -1 | 9.4 | 3140 | 66 | 3.8 | 85 | 0.340 | | | | | |
| 30-44 | 9639 | -112.3256 | -2-15- | 0-119040 | 8200 | 651 | 7194 | 68 | -2 | 8.2 | 6.5 | -262 | -1 | -1 | 13.6 | 3787 | 65 | 3.3 | 106 | 0.191 | | | | | |
| 30-44 | 9759 | -112.3089 | -2-15- | 0-119041 | 6140 | 872 | 7469 | 61 | -2 | 7.3 | 5.8 | -261 | -1 | -1 | 12.1 | 5030 | 66 | 2.7 | 121 | 0.215 | | | | | |
| 30-44 | 9661 | -112.2636 | -2-11- | 0-119042 | 5898 | 962 | 7528 | 76 | -3 | 7.1 | 7.0 | -287 | -1 | -1 | 12.3 | 5718 | 68 | 5.4 | -74 | 0.248 | | | | | |
| 30-44 | 7722 | -112.3019 | -2-12- | 0-119043 | 4842 | 601 | 2240 | 63 | -3 | 7.6 | 6.2 | -232 | -1 | -1 | 10.2 | 2631 | 49 | 3.2 | 92 | 0.363 | | | | | |
| 30-44 | 8411 | -113.3083 | -2-12- | 0-119044 | 7170 | 547 | 12190 | 75 | -2 | 8.6 | 6.3 | -236 | -1 | -1 | 10.2 | 4372 | 62 | 4.3 | 44 | 0.676 | | | | | |
| 30-44 | 8611 | -112.2708 | -2-15- | 0-119045 | 8030 | 851 | 14080 | 71 | -2 | 9.5 | 6.5 | -277 | -1 | -1 | 12.4 | 2990 | 69 | 4.3 | 93 | 0.298 | | | | | |
| 30-44 | 8735 | -113.3000 | -2-12- | 0-119046 | 9312 | 408 | 14550 | 60 | -2 | 8.1 | 7.6 | -197 | -1 | -1 | 12.0 | 4525 | 45 | 6.0 | -28 | 0.517 | | | | | |
| 30-44 | 8597 | -113.3389 | -2-12- | 0-119047 | 5910 | 215 | 14440 | 93 | -2 | 8.6 | 7.6 | -151 | 2 | -1 | 12.9 | 2786 | 44 | 7.1 | 80 | 0.450 | | | | | |
| 30-44 | 8769 | -113.2550 | -2-12- | 0-119048 | 8033 | 789 | 14290 | 110 | -2 | 11.0 | 14.9 | -283 | -1 | 2 | 28.8 | 6675 | 63 | 14.3 | 91 | 0.340 | | | | | |
| 30-44 | 8453 | -113.2344 | -2-12- | 0-119049 | 8264 | 1122 | 13960 | 79 | -3 | 11.4 | 16.5 | -314 | 6 | 3 | 43.0 | 11630 | 65 | 26.3 | 193 | 0.458 | | | | | |
| 30-44 | 8531 | -113.2444 | -2-12- | 0-119050 | 5049 | 624 | 7606 | 72 | -3 | 8.1 | 8.2 | -234 | -1 | -1 | 12.6 | 3363 | 57 | 4.3 | 50 | 0.310 | | | | | |
| 30-44 | 8658 | -113.2569 | -2-12- | 0-119051 | 6314 | 1028 | 14160 | -33 | -3 | 11.1 | 8.7 | -226 | -1 | -1 | 14.3 | 3360 | 49 | 5.4 | 111 | 0.371 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

①

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | | |
|---------------------------|-----------------------|-----------|---------|-------------|-----------|--|--------------|-----------------------------|-----------------------|-------------------|-------------|----------------------|----|------------------------|-----------------|-----------|------------|---------------|----------------|------------|-------------|-----------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|--------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SODIUM (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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-44.8770-113.0139-2-12- | 0-119052-09/27/76-13- | 13-10.0- | - | - | - | 6.3- | 600- | 7-4- | -3-7-3-3-1-2-2-3-4-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 30-44.8850-113.0208-2-15- | 0-119053-09/27/76-12- | 14- | - | - | - | - | - | 7-4- | -4-7- | -1- | -2-3-2-4-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 30-44.9242-113.0229-2-12- | 0-119054-09/27/76-14- | 15-10.2- | - | - | - | 6.1- | 330- | 7-4- | -3-6-3-3-1-2-4-4-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | | |
| 30-44.9417-113.0156-2-12- | 0-119055-09/27/76-14- | 15-9.2- | - | - | - | 5.9- | 500- | 7-4- | -3-7-4-3-2-2-3-3-3-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | | | |
| 30-44.9397-113.0267-2-12- | 0-119056-09/27/76-14- | 15-6.4- | - | - | - | 5.7- | 250- | 5-4- | -4-6-4-3-1-2-3-2-4-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | | |
| 30-44.9458-113.0286-2-15- | 0-119057-09/27/76-15- | 15- | - | - | - | - | - | 3-4- | -3-1- | -1- | -2-3-3-4-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 30-44.9553-113.0333-2-15- | 0-119059-09/27/76-15- | 15- | - | - | - | - | - | 7-4- | -3-1- | -1- | -2-3-3-4-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | | |
| 30-44.9956-113.0156-2-15- | 0-119059-09/27/76-16- | 16- | - | - | - | - | - | 7-4- | -4-7- | -1- | -2-3-3-3-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.9964-113.0356-2-15- | 0-119060-09/27/76-16- | 16- | - | - | - | - | - | 7-4- | -4-6- | -1- | -2-3-3-3-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | |
| 30-44.8711-113.0669-2-12- | 0-119062-09/17/76-9- | 17-9.4-C- | - | - | - | 5.9- | 260- | 28-2-6-5-6-4-3-2-2-2-3-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25.90 | | | | |
| 30-44.8442-112.9428-2-15- | 0-119063-09/17/76-9- | 18- | - | - | - | - | - | 28-2-6-5-6- | -1- | -2-3-2-3-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.8476-112.9222-2-15- | 0-119064-09/17/76-9- | 18- | - | - | - | - | - | 18-2-6-5-6- | -1- | -2-3-2-3-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.8353-112.9881-2-15- | 0-119065-09/17/76-10- | 18- | - | - | - | - | - | 22-2-6-4-6- | -1- | -2-3-2-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.8309-112.9861-2-15- | 0-119066-09/17/76-10- | 18- | - | - | - | - | - | 23-4-1-4-6- | -1- | -2-3-2-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.8672-113.0089-2-15- | 0-119067-09/17/76-10- | 18- | - | - | - | - | - | 18-2-6-4-6- | -1- | -2-3-2-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.8722-113.0228-2-15- | 0-119069-09/17/76-11- | 18- | - | - | - | - | - | 23-2-6-4-6- | -1- | -2-3-2-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.8533-113.0264-2-15- | 0-119069-09/17/76-11- | 18- | - | - | - | - | - | 18-4- | -4-6- | -1- | -2-3-2-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.8406-113.0519-2-15- | 0-119070-09/17/76-12- | 19- | - | - | - | - | - | 14-2-6-4-6- | -1- | -2-3-2-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.8353-113.0521-2-15- | 0-119071-09/17/76-12- | 19- | - | - | - | - | - | 28-4- | -4-6- | -1- | -2-3-2-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.8131-113.0617-2-12- | 0-119072-09/17/76-13- | 10-C.2-C- | - | - | - | 5.9- | 260- | 14-2-6-5-6-3-3-1-2-3-2-2-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | | | |
| 30-44.8464-113.0644-2-15- | 0-119073-09/17/76-14- | 19- | - | - | - | - | - | 9-2-6-4-6- | -1- | -2-3-2-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 30-44.8400-113.0647-2-15- | 0-119074-09/17/76-14- | 19- | - | - | - | - | - | 9-2- | -4-6- | -1- | -2-3-2-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 30-44.8286-113.0639-2-12- | 0-119075-09/17/76-14- | 19-9.5-C- | - | - | - | 6.3- | 1900- | 4-1-8-3-6-2-3-1-2-3-2-3-2- | -2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | | | |
| 30-44.8075-113.0500-2-12- | 0-119076-09/17/76-15- | 19-9.5-C- | - | - | - | 6.3- | 1200- | 9-1-6-3-6-2-2-1-2-3-3-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | | | |
| 30-44.8033-113.0623-2-12- | 0-119077-09/17/76-15- | 19-9.5-C- | - | - | - | 5.9- | 120- | 14-1-6-3-6-2-3-1-2-3-2-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | | | |
| 30-44.7617-113.0283-2-12- | 0-119078-09/17/76-15- | 19-9.5-C- | - | - | - | 6.3- | 1500- | 4-1-6-3-6-3-3-1-2-2-3-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | | | |
| 30-44.7439-113.0361-2-12- | 0-119080-09/19/76-9- | 9-5.8-C- | - | - | - | 5.5- | 60- | 4-2-6-5-6-4-4-4-2-4-3-2-4- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | | | |
| 30-44.7399-113.0361-2-12- | 0-119081-09/19/76-9- | 9-5.8-C- | - | - | - | 5.5- | 42- | 4-2-6-5-6-4-4-4-2-4-3-2-4- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | | |
| 30-44.7328-113.0389-2-12- | 0-119082-09/19/76-9- | 9-5.6-C- | - | - | - | 5.7- | 120- | 4-2-6-4-6-4-4-4-2-4-3-2-4- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.40 | | | | |
| 30-44.7244-113.0361-2-12- | 0-119083-09/19/76-9- | 9-5.8-C- | - | - | - | 5.2- | 135- | 4-2-6-4-6-4-4-4-2-4-3-2-4- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | | |
| 30-44.7069-113.0222-2-12- | 0-119084-09/19/76-10- | 9-5.6-C- | - | - | - | 5.7- | 124- | 4-2-6-4-6-4-4-4-2-4-3-2-4- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | | |
| 30-44.6819-113.0614-2-12- | 0-119085-09/19/76-10- | 9-5.6-C- | - | - | - | 5.5- | 75- | 4-2-6-4-6-4-4-4-2-4-3-2-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.30 | | | | |
| 30-44.7117-113.0161-2-12- | 0-119086-09/19/76-11- | 9-5.8-C- | - | - | - | 5.5- | 47- | 4-2-6-4-6-4-4-4-2-4-3-2-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | | | |
| 30-44.7111-113.0167-2-12- | 0-119087-09/19/76-11- | 10-6.2-C- | - | - | - | 5.5- | 110- | 4-2-6-4-6-4-4-4-2-4-3-2-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.90 | | | | |
| 30-44.9550-113.0697-2-12- | 0-119089-09/19/76-12- | 4-5.8-C- | - | - | - | 5.7- | 100- | 7-4- | -5-6-3-4-4-2-4-3-3-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | | | |
| 30-44.9556-113.0611-2-12- | 0-119090-09/19/76-12- | 38-5.8-C- | - | - | - | 5.5- | 100- | 7-4- | -5-6-3-4-4-2-4-3-2-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.90 | | | | |
| 30-44.9579-113.0292-2-15- | 0-119090-09/19/76-13- | 4- | - | - | - | - | - | 9-2-6-3-6- | -1- | -2-2-3-4-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | | |
| 30-44.9503-113.0333-2-15- | 0-119091-09/19/76-14- | 4- | - | - | - | - | - | 9-2-4-3-4- | -1- | -2-1-3-4-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.20 | | | |
| 30-44.9458-113.0369-2-12- | 0-119092-09/19/76-14- | 4-4.8- | - | - | - | 5.5- | 55- | 5-2-6-4-6-3-3-1-2-1-3-3-3- | -2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.60 | | | | |
| 30-44.9402-113.0389-2-12- | 0-119093-09/19/76-14- | 4-4.8- | - | - | - | 5.5- | 60- | 11-2-6-5-6-3-3-1-2-1-3-3-3- | -2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.90 | | | | |
| 30-44.9356-113.0314-2-11- | 0-119094-09/19/76-14- | 4-4.8- | - | - | - | 5.7- | 170- | 5-2-6-4-6-3-3-1-2-1-3-3-3- | -2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.90 | | | | |
| 30-44.9600-113.0589-2-12- | 0-119095-09/19/76-15- | 5-4.3- | - | - | - | 5.5- | 65- | 1-2-6-4-6-3-3-1-2-2-3-3-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | | | |
| 30-44.9528-113.0681-2-12- | 0-119096-09/19/76-15- | 4-4.6-C- | - | - | - | 5.7- | 70- | 7-2-6-4-6-3-3-3-2-2-3-2-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | | | |
| 30-44.9792-113.0731-2-12- | 0-119097-09/19/76-15- | 4-4.2-C- | - | - | - | 5.7- | 80- | 5-2-6-4-6-3-3-1-2-2-3-2-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.70 | | | | |
| 30-44.9778-113.0722-2-12- | 0-119098-09/19/76-16- | 4-5.2-C- | - | - | - | 6.5- | 37000- | 1-2-6-3-6-1-2-5-4-3-3-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | | | |
| 30-44.9333-113.0694-2-12- | 0-119099-09/19/76-16- | 5-4.8-C- | - | - | - | 6.5- | 1400- | 3-2-5-3-6-2-2-2-2-4-3-2-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | | |
| 30-44.9792-113.0494-2-15- | 0-119100-09/22/76-10- | 8- | - | - | - | - | - | 18-2-5-5-6- | -1- | -2-3-3-3-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | | |
| 30-44.9002-113.0264-2-15- | 0-119101-09/22/76-11- | 8- | - | - | - | - | - | 18-7-7-5-6- | -1- | -2-3-3-3-3- | -3- | - | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | U.S. SAMPLER LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|----------|-----------|---------|-------------|-----------|------------------------------|---|-----|-----|-----|-----|-----|-----|----|----|------|-----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 30-44 | 8780 | -113.0139 | -2-12- | 0-119052 | -5 | -5 | -5 | 17 | 20 | 15 | -5 | -10 | -15 | 12 | -5 | 233 | 1 | 15 | | | |
| 30-44 | 8859 | -113.0208 | -2-15- | 0-119053 | -5 | 6 | -5 | 23 | -20 | -15 | 15 | -10 | -15 | 7 | -5 | 204 | 2 | 29 | | | |
| 30-44 | 9242 | -113.0239 | -2-12- | 0-119054 | -5 | 7 | -5 | 23 | -20 | -15 | 8 | -10 | -15 | 14 | -5 | 291 | 1 | 26 | | | |
| 30-44 | 9417 | -113.0156 | -2-12- | 0-119055 | -5 | 9 | -5 | 13 | 33 | -15 | 6 | -10 | -15 | 14 | -5 | 616 | 1 | 26 | | | |
| 30-44 | 9397 | -113.0267 | -2-12- | 0-119056 | -5 | 5 | -5 | 43 | 25 | -15 | 33 | -10 | -15 | -5 | -5 | 239 | 3 | 39 | | | |
| 30-44 | 9458 | -113.0086 | -2-15- | 0-119057 | -5 | -5 | -5 | 24 | -20 | -15 | 16 | -10 | -15 | 11 | -5 | 244 | 2 | 20 | | | |
| 30-44 | 9552 | -113.0033 | -2-15- | 0-119058 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | | | |
| 30-44 | 9956 | -113.0156 | -2-15- | 0-119059 | -5 | -5 | -5 | 22 | -20 | -15 | 7 | -10 | -15 | 17 | -5 | 217 | 2 | 22 | | | |
| 30-44 | 9944 | -113.0256 | -2-15- | 0-119060 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | | | |
| 30-44 | 8711 | -113.0069 | -2-12- | 0-119062 | -5 | -5 | -5 | -10 | 47 | 55 | 36 | -10 | 37 | 8 | -5 | 5773 | 3 | 22 | | | |
| 30-44 | 8442 | -112.9622 | -2-15- | 0-119063 | -5 | -5 | -5 | 36 | -20 | 18 | 15 | -10 | -15 | 31 | -5 | 158 | 2 | 17 | | | |
| 30-44 | 8436 | -112.9622 | -2-15- | 0-119064 | -5 | -5 | -5 | 26 | 24 | -15 | 14 | -10 | -15 | 36 | -5 | 154 | 2 | 20 | | | |
| 30-44 | 8353 | -112.9681 | -2-15- | 0-119065 | -5 | -5 | -5 | 25 | -20 | -15 | 9 | -10 | -15 | 32 | -5 | 148 | 2 | 18 | | | |
| 30-44 | 8393 | -112.9661 | -2-15- | 0-119066 | -5 | -5 | -5 | 24 | -20 | -15 | 10 | -10 | -15 | 31 | -5 | 154 | 2 | 20 | | | |
| 30-44 | 8672 | -113.0008 | -2-15- | 0-119067 | -5 | 7 | -5 | 41 | 36 | -15 | 18 | -10 | -15 | 30 | -5 | 167 | 2 | 17 | | | |
| 30-44 | 8722 | -113.0228 | -2-15- | 0-119068 | -5 | -5 | -5 | 30 | 32 | -15 | 9 | -10 | -15 | 34 | -5 | 207 | 2 | 20 | | | |
| 30-44 | 8533 | -113.0264 | -2-15- | 0-119069 | -5 | -5 | -5 | 42 | 35 | 16 | 6 | -10 | -15 | 32 | -5 | 150 | 2 | 18 | | | |
| 30-44 | 8406 | -113.0519 | -2-15- | 0-119070 | -5 | -5 | -5 | 35 | 20 | 16 | 11 | -10 | -15 | 30 | -5 | 146 | 2 | 20 | | | |
| 30-44 | 8353 | -113.0531 | -2-15- | 0-119071 | -5 | 7 | -5 | 31 | 32 | 21 | 10 | -10 | -15 | 35 | -5 | 141 | 2 | 18 | | | |
| 30-44 | 8131 | -113.0517 | -2-12- | 0-119072 | -5 | 6 | -5 | 41 | 25 | -15 | 20 | -10 | -15 | 12 | -5 | 222 | 2 | 30 | | | |
| 30-44 | 8464 | -113.0064 | -2-15- | 0-119073 | -5 | -5 | -5 | 20 | -20 | -15 | 8 | -10 | -15 | 19 | 9 | -5 | 260 | 2 | 14 | | |
| 30-44 | 8400 | -113.0047 | -2-15- | 0-119074 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | | | |
| 30-44 | 8286 | -113.0039 | -2-12- | 0-119075 | -5 | 8 | -5 | 41 | 21 | -15 | 136 | -10 | 23 | -5 | -5 | 293 | 2 | 31 | | | |
| 30-44 | 8075 | -113.0050 | -2-12- | 0-119076 | -5 | 8 | -5 | 30 | 22 | 23 | 182 | -10 | -15 | 6 | -5 | 429 | 2 | 30 | | | |
| 30-44 | 8033 | -113.0032 | -2-12- | 0-119077 | -5 | 6 | -5 | 29 | -20 | 19 | 134 | -10 | -15 | 6 | -5 | 384 | 2 | 29 | | | |
| 30-44 | 7617 | -113.0282 | -2-12- | 0-119078 | -5 | 5 | -5 | 39 | 22 | 25 | 159 | -10 | 15 | 7 | -5 | 416 | 3 | 28 | | | |
| 30-44 | 7439 | -113.0361 | -2-12- | 0-119080 | -5 | 5 | -5 | 23 | -20 | -15 | 18 | -10 | -15 | 12 | -5 | 368 | 3 | 33 | | | |
| 30-44 | 7389 | -113.0361 | -2-12- | 0-119081 | -5 | -5 | -5 | 32 | 24 | -15 | 23 | -10 | -15 | 9 | -5 | 298 | 3 | 26 | | | |
| 30-44 | 7328 | -113.0389 | -2-12- | 0-119082 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | | | |
| 30-44 | 7244 | -113.0361 | -2-12- | 0-119083 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | -5 | | | |
| 30-44 | 7069 | -113.0222 | -2-12- | 0-119084 | -5 | -5 | -5 | 24 | -20 | -15 | 12 | -10 | -15 | 11 | -5 | 426 | 2 | 15 | | | |
| 30-44 | 6919 | -113.0014 | -2-12- | 0-119085 | -5 | 8 | -5 | 28 | 25 | -15 | 16 | -10 | -15 | 8 | -5 | 257 | 2 | 30 | | | |
| 30-44 | 7117 | -113.0161 | -2-12- | 0-119086 | -5 | 8 | -5 | 30 | 24 | 15 | 19 | -10 | -15 | 15 | -5 | 361 | 3 | 31 | | | |
| 30-44 | 7111 | -113.0167 | -2-12- | 0-119087 | -5 | -5 | -5 | 25 | 20 | 17 | 22 | -10 | -15 | 9 | -5 | 294 | 2 | 31 | | | |
| 30-44 | 9550 | -113.3897 | -2-12- | 0-119088 | -5 | 9 | -5 | -10 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 437 | 1 | 12 | | | |
| 30-44 | 9556 | -113.3911 | -2-12- | 0-119089 | -5 | -5 | -5 | 18 | -20 | -15 | 8 | -10 | -15 | 7 | -5 | 271 | 2 | 20 | | | |
| 30-44 | 9578 | -113.4292 | -2-15- | 0-119090 | -5 | -5 | -5 | 19 | -20 | 34 | -5 | -10 | -15 | 8 | -5 | 274 | 2 | 24 | | | |
| 30-44 | 9502 | -113.4333 | -2-15- | 0-119091 | -5 | -5 | -5 | -10 | 35 | -15 | 27 | -10 | -15 | 10 | -5 | 166 | 4 | 27 | | | |
| 30-44 | 9458 | -113.4369 | -2-12- | 0-119092 | -5 | 0 | -5 | -10 | -20 | -15 | -5 | -10 | 18 | 12 | -5 | 778 | 2 | 17 | | | |
| 30-44 | 9402 | -113.4389 | -2-12- | 0-119093 | -5 | 5 | -5 | 13 | -20 | 15 | -5 | -10 | -15 | 14 | -5 | 411 | 2 | 14 | | | |
| 30-44 | 9356 | -113.4214 | -2-11- | 0-119094 | -5 | 6 | -5 | 11 | 24 | 15 | 8 | -10 | -15 | -5 | -5 | 395 | 2 | 18 | | | |
| 30-44 | 9600 | -113.3589 | -2-12- | 0-119095 | -5 | -5 | -5 | -10 | -20 | -15 | 6 | -10 | -15 | 5 | -5 | 650 | 2 | 15 | | | |
| 30-44 | 9528 | -113.3681 | -2-12- | 0-119096 | -5 | 5 | -5 | -10 | 20 | -15 | -5 | -10 | -15 | 7 | -5 | 440 | 2 | 14 | | | |
| 30-44 | 9792 | -113.2731 | -2-12- | 0-119097 | -5 | -5 | -5 | 12 | -20 | -15 | -5 | -10 | -15 | 13 | -5 | 710 | 2 | 17 | | | |
| 30-44 | 9778 | -113.2722 | -2-12- | 0-119098 | -5 | 6 | -5 | 16 | -20 | -15 | 15 | -10 | -15 | 12 | -5 | 321 | 2 | 24 | | | |
| 30-44 | 9333 | -113.3694 | -2-12- | 0-119099 | -5 | -5 | -5 | 27 | -20 | -15 | 10 | -10 | -15 | 15 | -5 | 329 | 2 | 22 | | | |
| 30-44 | 9792 | -113.3494 | -2-15- | 0-119100 | -5 | 5 | -5 | 27 | -20 | -15 | 6 | -10 | 19 | 9 | -5 | 215 | 2 | 24 | | | |
| 30-44 | 9902 | -113.3264 | -2-15- | 0-119101 | -5 | -5 | -5 | 32 | -20 | -15 | 10 | -10 | -15 | 9 | -5 | 210 | 2 | 21 | | | |
| 30-44 | 9939 | -113.3167 | -2-12- | 0-119102 | -5 | 6 | -5 | 18 | -20 | 27 | 16 | -10 | 22 | 17 | -5 | 1023 | 2 | 23 | | | |
| 30-44 | 9369 | -113.2666 | -2-15- | 0-119103 | -5 | 5 | -5 | 22 | -20 | 25 | 11 | -10 | -15 | 13 | -5 | 429 | 3 | 28 | | | |
| 30-44 | 9217 | -113.2764 | -2-12- | 0-119104 | -5 | -5 | -5 | 12 | -20 | -15 | 10 | -10 | -15 | 13 | -5 | 694 | 2 | 25 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-----------|--|---|------|--------|-----|------|------|------|------|-----|-----|-------|-------|-------|-------|-----|-----|--|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu | | | |
| 30-44.8789 | -113.0139 | -2-12 | Q-119052 | | | 32700 | -0.06 | 773 | 141400 | 60 | -99 | 8.4 | 166 | 2.7 | 5 | 0.9 | 19220 | 9.8 | 13760 | 35 | 0.3 | | | | |
| 30-44.8858 | -113.0208 | -2-15 | Q-119053 | | | 56690 | -0.09 | 723 | 51170 | 71 | -107 | 9.5 | 77 | 3.2 | 6 | 1.2 | 24110 | 9.1 | 23070 | 40 | 0.3 | | | | |
| 30-44.9247 | -113.0239 | -7-12 | Q-119054 | | | 47150 | -0.08 | 618 | 30970 | 82 | -88 | 7.2 | 69 | 3.3 | 6 | 1.1 | 23470 | 14.2 | 19470 | 37 | 0.4 | | | | |
| 30-44.9417 | -113.0155 | -2-12 | Q-119055 | | | 55050 | -0.08 | 818 | 34030 | 110 | 193 | 10.5 | 216 | 2.9 | 7 | 1.5 | 28720 | 29.3 | 23630 | 50 | 0.7 | | | | |
| 30-44.9397 | -113.0267 | -2-12 | Q-119056 | | | 67320 | -0.09 | 977 | 39130 | 95 | 288 | 13.9 | 70 | 4.8 | 8 | 1.6 | 36450 | 8.3 | 20210 | 45 | 0.4 | | | | |
| 30-44.9458 | -113.0086 | -2-15 | Q-119057 | | | 52620 | -0.07 | 659 | 35750 | 71 | -96 | 8.5 | 61 | 5.2 | 6 | 1.2 | 24660 | 10.7 | 14330 | 35 | 0.4 | | | | |
| 30-44.9552 | -113.0032 | -2-15 | Q-119058 | | | 47250 | -0.07 | 697 | 36670 | 100 | -72 | 7.7 | 61 | 5.3 | 7 | 1.6 | 23960 | 19.6 | 14800 | 50 | 0.6 | | | | |
| 30-44.9056 | -113.0156 | -2-15 | Q-119059 | | | 54080 | -0.09 | 765 | 15450 | 63 | -98 | 8.9 | 61 | 6.4 | 5 | 1.3 | 26610 | 8.0 | 19070 | 30 | 0.4 | | | | |
| 30-44.9964 | -113.0356 | -2-15 | Q-119060 | | | 51280 | -0.09 | 611 | 19910 | 80 | -112 | 11.6 | 53 | 5.2 | 5 | 1.5 | 28780 | 12.1 | 15290 | 33 | 0.4 | | | | |
| 30-44.9711 | -113.0069 | -2-12 | Q-119062 | | | 52230 | -0.10 | 659 | 23560 | 348 | 200 | 15.3 | 134 | 3.7 | 26 | 4.4 | 49950 | 243.5 | 21710 | 157 | 3.7 | | | | |
| 30-44.8442 | -112.9628 | -2-15 | Q-119063 | | | 62290 | -0.08 | 781 | 14150 | 68 | -76 | 15.2 | 59 | 11.0 | -1 | 1.7 | 31540 | 6.0 | 15250 | 29 | 0.4 | | | | |
| 30-44.8436 | -112.9622 | -2-15 | Q-119064 | | | 62550 | -0.09 | 664 | 14780 | 77 | -85 | 14.6 | 61 | 9.6 | 5 | 1.7 | 31210 | 5.9 | 14870 | 32 | 0.5 | | | | |
| 30-44.8252 | -112.9881 | -2-15 | Q-119065 | | | 63970 | -0.10 | 763 | 15880 | 77 | -76 | 16.8 | 73 | 14.1 | 5 | 2.0 | 40970 | 7.4 | 16580 | 43 | 0.4 | | | | |
| 30-44.8532 | -112.9861 | -2-15 | Q-119066 | | | 62040 | -0.11 | 684 | 13870 | 83 | -73 | 18.4 | 76 | 13.2 | 4 | 2.0 | 40210 | 7.5 | 15330 | 47 | 0.5 | | | | |
| 30-44.8672 | -113.0009 | -2-15 | Q-119067 | | | 63990 | -0.08 | 696 | 15370 | 73 | -77 | 14.2 | 67 | 10.5 | 4 | 1.7 | 32270 | 6.1 | 20400 | 34 | 0.5 | | | | |
| 30-44.8722 | -113.0228 | -2-15 | Q-119068 | | | 62640 | -0.09 | 675 | 12950 | 65 | -88 | 12.7 | 63 | 11.2 | 5 | 1.8 | 32090 | 6.0 | 15980 | 20 | 0.3 | | | | |
| 30-44.8532 | -113.0228 | -2-15 | Q-119069 | | | 63140 | -0.09 | 677 | 12500 | 61 | -79 | 13.0 | 66 | 11.1 | 5 | 1.7 | 31100 | 6.0 | 16010 | 28 | 0.4 | | | | |
| 30-44.8406 | -113.0519 | -2-15 | Q-119070 | | | 62570 | -0.09 | 716 | 13460 | 73 | -75 | 14.3 | 67 | 10.6 | 5 | 1.8 | 34010 | 6.5 | 16030 | 31 | 0.4 | | | | |
| 30-44.8353 | -113.0531 | -2-15 | Q-119071 | | | 62430 | -0.09 | 810 | 15120 | 63 | -75 | 12.3 | 56 | 10.9 | 5 | 1.7 | 31330 | 4.3 | 15910 | 27 | 0.3 | | | | |
| 30-44.8131 | -113.0517 | -2-12 | Q-119072 | | | 57100 | -0.07 | 741 | 34150 | 72 | -106 | 7.6 | 25 | 4.8 | 5 | 1.6 | 29690 | 9.9 | 19420 | 26 | 0.4 | | | | |
| 30-44.8464 | -113.0064 | -2-15 | Q-119073 | | | 53090 | -0.07 | 789 | 10410 | 90 | -83 | 16.1 | 67 | 5.3 | 4 | 2.1 | 23550 | 12.8 | 19680 | 45 | 0.4 | | | | |
| 30-44.8490 | -113.0047 | -2-15 | Q-119074 | | | 53420 | -0.07 | 744 | 40590 | 87 | -99 | 16.5 | 57 | 7.4 | 5 | 1.9 | 26150 | 11.7 | 17290 | 41 | 0.5 | | | | |
| 30-44.8286 | -113.0099 | -2-12 | Q-119075 | | | 62170 | -0.09 | 1101 | 33390 | 106 | 228 | 20.9 | 65 | 7.7 | 6 | 2.3 | 35990 | 13.7 | 21280 | 47 | 0.5 | | | | |
| 30-44.5075 | -113.0050 | -2-12 | Q-119076 | | | 60900 | -0.10 | 1053 | 32760 | 125 | 150 | 22.6 | 78 | 6.4 | 8 | 2.2 | 40080 | 19.5 | 22030 | 51 | 0.7 | | | | |
| 30-44.8033 | -113.0023 | -2-12 | Q-119077 | | | 60930 | -0.11 | 1032 | 33000 | 125 | -80 | 28.9 | 84 | 8.3 | 8 | 2.8 | 51460 | 20.6 | 25660 | 63 | 0.8 | | | | |
| 30-44.7617 | -113.0283 | -2-12 | Q-119078 | | | 61840 | -0.09 | 1139 | 32440 | 114 | -78 | 22.8 | 77 | 7.3 | 7 | 2.2 | 42620 | 18.1 | 19840 | 59 | 0.7 | | | | |
| 30-44.7439 | -113.0361 | -2-12 | Q-119080 | | | 69420 | -0.08 | 1217 | 20190 | 126 | 233 | 16.0 | 83 | 5.4 | 8 | 2.7 | 39330 | 16.4 | 24140 | 55 | 0.6 | | | | |
| 30-44.7399 | -113.0361 | -2-12 | Q-119081 | | | 66600 | -0.10 | 948 | 27920 | 122 | 181 | 15.0 | 73 | 7.1 | 8 | 2.5 | 34680 | 12.7 | 18740 | 50 | 0.6 | | | | |
| 30-44.7328 | -113.0389 | -2-12 | Q-119082 | | | 75670 | -0.10 | 368 | 49940 | 83 | -116 | 24.4 | 39 | -1.8 | 3 | 2.7 | 72480 | 10.1 | 10400 | 48 | 0.4 | | | | |
| 30-44.7244 | -113.0361 | -2-12 | Q-119083 | | | 66410 | -0.09 | 802 | 29280 | 106 | 202 | 16.1 | 77 | 6.7 | 8 | 2.5 | 38020 | 10.5 | 16740 | 52 | 0.5 | | | | |
| 30-44.7069 | -113.0222 | -2-12 | Q-119084 | | | 59770 | -0.07 | 1074 | 9715 | 84 | -81 | 11.9 | 67 | 5.8 | -1 | 1.9 | 22080 | 18.2 | 20410 | 44 | 0.5 | | | | |
| 30-44.6819 | -113.0014 | -2-12 | Q-119085 | | | 72760 | -0.10 | 762 | 23110 | 151 | 196 | 15.3 | 93 | 5.9 | 12 | 3.1 | 38450 | 11.6 | 19690 | 61 | 0.8 | | | | |
| 30-44.7117 | -113.0161 | -2-12 | Q-119086 | | | 71850 | -0.11 | 877 | 21420 | 159 | 199 | 20.0 | 97 | 6.4 | 11 | 4.0 | 54530 | 18.7 | 20150 | 79 | 0.9 | | | | |
| 30-44.7111 | -113.0167 | -2-12 | Q-119087 | | | 70860 | -0.09 | 848 | 21950 | 131 | 311 | 17.2 | 73 | 5.9 | 9 | 3.2 | 41080 | 12.6 | 21400 | 64 | 0.7 | | | | |
| 30-44.9550 | -113.2897 | -2-12 | Q-119088 | | | 48850 | -0.06 | 535 | 7748 | 45 | -87 | 5.7 | 80 | 6.3 | 4 | 1.3 | 15450 | 15.7 | 11440 | 26 | 0.5 | | | | |
| 30-44.9556 | -113.3911 | -2-12 | Q-119089 | | | 68100 | -0.10 | 695 | 10150 | 160 | -116 | 12.1 | 127 | 9.2 | 8 | 2.3 | 25270 | 12.0 | 17000 | 33 | 0.7 | | | | |
| 30-44.9578 | -113.4292 | -2-15 | Q-119090 | | | 66010 | -0.12 | 998 | 13770 | 130 | -91 | 23.2 | 316 | 10.6 | 6 | 2.7 | 40420 | 13.1 | 22900 | 52 | 0.5 | | | | |
| 30-44.9503 | -113.4332 | -2-15 | Q-119091 | | | 70970 | -0.08 | 468 | 8754 | 43 | -86 | 3.7 | 30 | 25.5 | 6 | 1.4 | 14790 | 7.6 | 36990 | 27 | 0.5 | | | | |
| 30-44.9458 | -113.4369 | -2-12 | Q-119092 | | | 45350 | -0.07 | 447 | 6262 | 56 | 148 | 4.6 | 51 | 8.7 | 5 | 1.8 | 27790 | 30.3 | 12530 | 35 | 0.7 | | | | |
| 30-44.9402 | -113.4389 | -2-12 | Q-119093 | | | 54970 | -0.09 | 572 | 7587 | 66 | -103 | 7.8 | 52 | 9.4 | 6 | 1.8 | 21830 | 17.4 | 11780 | 29 | 0.5 | | | | |
| 30-44.9356 | -113.4214 | -2-11 | Q-119094 | | | 59340 | -0.11 | 679 | 24200 | 72 | -91 | 20.4 | 351 | 6.4 | 4 | 2.3 | 45610 | 20.4 | 15880 | 41 | 0.5 | | | | |
| 30-44.9600 | -113.3989 | -2-12 | Q-119095 | | | 56550 | -0.08 | 475 | 6552 | 81 | -87 | 7.5 | 48 | 5.5 | 7 | 2.2 | 22060 | 31.1 | 15110 | 36 | 0.8 | | | | |
| 30-44.9528 | -113.3681 | -2-12 | Q-119096 | | | 55860 | -0.07 | 742 | 7301 | 59 | -88 | 6.6 | 87 | 7.0 | 4 | 1.7 | 16780 | 18.7 | 12990 | 30 | 0.5 | | | | |
| 30-44.9792 | -113.2731 | -2-12 | Q-119097 | | | 54900 | -0.08 | 706 | 12260 | 91 | -92 | 9.6 | 321 | 2.7 | 6 | 1.9 | 24570 | 28.6 | 16410 | 39 | 0.6 | | | | |
| 30-44.9778 | -113.2722 | -2-12 | Q-119098 | | | 52100 | -0.10 | 824 | 21250 | 83 | 2284 | 11.4 | 70 | 6.0 | 5 | 2.1 | 30230 | 16.1 | 14920 | 32 | 0.5 | | | | |
| 30-44.9333 | -113.2694 | -2-12 | Q-119099 | | | 50120 | -0.07 | 659 | 18500 | 77 | -135 | 10.5 | 99 | 4.1 | 4 | 1.9 | 27330 | 13.0 | 12530 | 40 | 0.4 | | | | |
| 30-44.9792 | -113.3494 | -2-15 | Q-119100 | | | 67510 | -0.08 | 868 | 14280 | 67 | 224 | 5.7 | 57 | 4.2 | 4 | 1.3 | 25130 | 7.8 | 20340 | 30 | 0.4 | | | | |
| 30-44.9903 | -113.3264 | -2-15 | Q-119101 | | | 65220 | -0.07 | 833 | 15090 | 58 | 287 | 7.3 | 52 | 4.2 | 6 | 1.2 | 26270 | 8.1 | 23470 | 32 | 0.4 | | | | |
| 30-44.9939 | -113.3167 | -2-12 | Q-119102 | | | 64420 | -0.09 | 1063 | 18600 | 147 | -81 | 18.2 | 11.6 | 10.5 | 6.3 | 13 | 2.9 | 32290 | 46.8 | 27160 | 56 | 1.0 | | | |
| 30-44.9369 | -113.2669 | -2-15 | Q-119103 | | | 65210 | -0.10 | 815 | 12680 | 128 | 286 | 16.6 | 121 | 6.1 | 9 | 2.7 | 38030 | 22.1 | 23960 | 67 | 0.8 | | | | |
| 30-44.9217 | -113.2764 | -2-12 | Q-119104 | | | 66720 | -0.09 | 1081 | 17900 | 123 | 189 | 10.9 | 90 | 6.8 | 10 | 2.6 | 29510 | 28.4 | 22760 | 60 | 0.8 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | | | | U/Th RATIO |
|-------------------|----------|-----------|---------|-------------|-----------|----------------------------------|---|-------|-----|----|------|------|------|----|----|------|-------|-----|------|------|-------|--|--|---------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | Zn | | | |
| 30-44 | 8790 | -113.0139 | -2-12- | 0-119052 | | 10830 | 576 | 5527 | -31 | -2 | 6.0 | 2.9 | 472 | -1 | -1 | 9.1 | 2492 | 55 | 3.0 | -24 | 0.330 | | | |
| 30-44 | 8858 | -113.0208 | -2-15- | 0-119053 | | 9211 | 667 | 8117 | 90 | -2 | 7.9 | 5.1 | -330 | -1 | -1 | 9.6 | 3083 | 56 | 4.0 | -36 | 0.302 | | | |
| 30-44 | 9242 | -113.0229 | -2-12- | 0-119054 | | 8011 | 781 | 8134 | -32 | -2 | 7.6 | 5.8 | -280 | -1 | -1 | 10.8 | 2643 | 63 | 4.4 | -63 | 0.269 | | | |
| 30-44 | 9417 | -113.0156 | -2-12- | 0-119055 | | 12150 | 776 | 10820 | -34 | -2 | 9.0 | 9.3 | -242 | -1 | -1 | 15.2 | 4707 | 72 | 5.5 | -41 | 0.309 | | | |
| 30-44 | 9397 | -113.0267 | -2-12- | 0-119056 | | 10790 | 766 | 11570 | 63 | -2 | 11.7 | 7.7 | 410 | -1 | -1 | 13.4 | 3138 | 85 | 6.1 | -167 | 0.254 | | | |
| 30-44 | 9458 | -113.0086 | -2-15- | 0-119057 | | 7451 | 874 | 7522 | 86 | -2 | 8.0 | 6.3 | -320 | -1 | -1 | 9.2 | 2831 | 66 | 3.9 | -68 | 0.326 | | | |
| 30-44 | 9553 | -113.0033 | -2-15- | 0-119058 | | 6077 | 862 | 6296 | 55 | -2 | 7.2 | 8.1 | -213 | -1 | 1 | 15.6 | 2952 | 65 | 6.0 | 86 | 0.256 | | | |
| 30-44 | 9956 | -113.0154 | -2-15- | 0-119059 | | 6245 | 1150 | 7990 | 62 | -2 | 9.3 | 6.4 | -296 | -1 | -1 | 11.1 | 2988 | 58 | 3.5 | -100 | 0.288 | | | |
| 30-44 | 9964 | -113.0256 | -2-15- | 0-119060 | | 7401 | 1990 | 9727 | 71 | -2 | 8.2 | 6.0 | -424 | -1 | -1 | 10.2 | 2586 | 72 | 3.9 | -17 | 0.353 | | | |
| 30-44 | 8711 | -113.0019 | -2-12- | 0-119062 | | 5760 | 758 | 12220 | -29 | -2 | 10.7 | 21.4 | -247 | 6 | 3 | 56.9 | 14230 | 103 | 31.7 | 141 | 0.455 | | | |
| 30-44 | 8442 | -112.9628 | -2-15- | 0-119063 | | 7252 | 1310 | 6084 | 74 | -2 | 11.1 | 6.4 | -247 | -1 | -1 | 9.9 | 2823 | 77 | 3.7 | 100 | 0.313 | | | |
| 30-44 | 8436 | -112.9622 | -2-15- | 0-119064 | | 5098 | 1236 | 5823 | 49 | -2 | 10.9 | 6.0 | -283 | -1 | -1 | 10.5 | 3219 | 76 | 3.7 | 138 | 0.295 | | | |
| 30-44 | 8353 | -112.9881 | -2-15- | 0-119065 | | 5657 | 1145 | 5866 | 79 | -3 | 14.4 | 6.6 | -297 | -1 | -1 | 13.6 | 3167 | 79 | 5.4 | 142 | 0.235 | | | |
| 30-44 | 8309 | -112.9861 | -2-15- | 0-119066 | | 5229 | 1209 | 5978 | 98 | -7 | 14.3 | -1.0 | -291 | -1 | -1 | 12.7 | 2860 | 76 | 3.5 | 160 | 0.252 | | | |
| 30-44 | 8472 | -112.0008 | -2-15- | 0-119067 | | 5406 | 1249 | 6057 | 85 | -1 | 11.3 | 6.0 | -247 | -1 | -1 | 10.7 | 3153 | 80 | -1.4 | 121 | 0.290 | | | |
| 30-44 | 8722 | -112.0228 | -2-15- | 0-119068 | | 6462 | 1254 | 6122 | 81 | -2 | 11.3 | 6.1 | -282 | -1 | -1 | 10.9 | 2980 | 75 | 3.5 | 105 | 0.284 | | | |
| 30-44 | 8533 | -112.0264 | -2-15- | 0-119069 | | 5960 | 1192 | 5773 | -27 | -2 | 11.0 | 5.9 | -302 | -1 | -1 | 10.8 | 2963 | 81 | 3.1 | -101 | 0.296 | | | |
| 30-44 | 8404 | -112.0519 | -2-15- | 0-119070 | | 5570 | 1206 | 5866 | 82 | -2 | 11.9 | 6.3 | -288 | -1 | -1 | 11.8 | 2817 | 80 | 4.3 | 103 | 0.271 | | | |
| 30-44 | 8257 | -112.0531 | -2-15- | 0-119071 | | 5990 | 1215 | 5869 | 53 | -2 | 11.1 | 6.0 | -239 | -1 | -1 | 10.2 | 3237 | 75 | 3.6 | 133 | 0.304 | | | |
| 30-44 | 8131 | -112.0917 | -2-12- | 0-119072 | | 11840 | 901 | 14390 | 75 | -2 | 6.7 | 5.3 | -250 | -1 | -1 | 10.2 | 2175 | 71 | 3.8 | 93 | 0.441 | | | |
| 30-44 | 8466 | -112.0066 | -2-15- | 0-119073 | | 5526 | 902 | 12060 | 66 | -2 | 7.2 | 6.9 | -255 | -1 | -1 | 12.1 | 1878 | 39 | 4.7 | 66 | 0.231 | | | |
| 30-44 | 8400 | -112.0047 | -2-15- | 0-119074 | | 6129 | 1918 | 8090 | 65 | -2 | 7.9 | 6.4 | -359 | -1 | -1 | 13.5 | 2536 | 53 | 4.3 | 84 | 0.252 | | | |
| 30-44 | 8286 | -112.0039 | -2-12- | 0-119075 | | 10820 | 1414 | 7576 | 80 | 2 | 11.7 | 8.0 | -280 | -1 | -1 | 17.0 | 3608 | 100 | 6.5 | 200 | 0.241 | | | |
| 30-44 | 8075 | -112.0050 | -2-12- | 0-119076 | | 9642 | 1050 | 7302 | 109 | -2 | 12.0 | 9.1 | -263 | -1 | -1 | 17.3 | 4898 | 101 | 5.9 | 160 | 0.272 | | | |
| 30-44 | 8032 | -112.0032 | -2-12- | 0-119077 | | 10820 | 1049 | 7243 | 108 | -3 | 15.8 | 10.2 | -283 | -1 | -1 | 20.9 | 5076 | 110 | 8.4 | 251 | 0.220 | | | |
| 30-44 | 7617 | -112.0283 | -2-12- | 0-119078 | | 9326 | 1045 | 7265 | 79 | -2 | 12.7 | 9.1 | -273 | -1 | 2 | 18.0 | 3783 | 92 | 5.6 | 164 | 0.256 | | | |
| 30-44 | 7439 | -112.0361 | -2-12- | 0-119079 | | 8010 | 798 | 14470 | 102 | -2 | 11.4 | 10.2 | -218 | -1 | -1 | 18.7 | 5134 | 88 | 6.3 | 201 | 0.241 | | | |
| 30-44 | 7389 | -112.0361 | -2-12- | 0-119080 | | 9383 | 963 | 12510 | 99 | -2 | 10.9 | 9.1 | -275 | -1 | -1 | 15.6 | 3220 | 68 | 6.1 | 138 | 0.237 | | | |
| 30-44 | 7328 | -112.0389 | -2-12- | 0-119081 | | 6901 | 1172 | 20280 | -36 | -2 | 12.2 | 6.9 | -324 | -1 | 1 | 7.3 | 5419 | 145 | 3.5 | 134 | 0.192 | | | |
| 30-44 | 7244 | -112.0361 | -2-12- | 0-119082 | | 11730 | 742 | 11590 | 70 | -2 | 12.2 | 8.0 | -257 | -1 | -1 | 16.4 | 3692 | 77 | 4.8 | 146 | 0.213 | | | |
| 30-44 | 7069 | -112.0222 | -2-12- | 0-119084 | | 4844 | 941 | 10570 | 56 | -2 | 7.4 | 6.1 | -214 | 2 | -1 | 12.2 | 2994 | 54 | 4.3 | 107 | 0.295 | | | |
| 30-44 | 6819 | -112.0014 | -2-12- | 0-119085 | | 8425 | 1057 | 12540 | 70 | -2 | 11.9 | 14.5 | -283 | -1 | 1 | 17.1 | 4268 | 75 | 5.6 | -21 | 0.251 | | | |
| 30-44 | 7117 | -112.0161 | -2-12- | 0-119086 | | 7746 | 1081 | 13330 | 117 | -3 | 15.4 | 14.5 | -312 | 2 | 2 | 20.7 | 4243 | 84 | 7.0 | 245 | 0.217 | | | |
| 30-44 | 7111 | -112.0167 | -2-12- | 0-119087 | | 8489 | 949 | 12830 | 83 | -2 | 12.1 | 10.8 | 429 | -1 | -1 | 16.3 | 4381 | 70 | 6.0 | 124 | 0.239 | | | |
| 30-44 | 9550 | -112.3897 | -2-12- | 0-119088 | | 2807 | 471 | 17160 | 59 | -1 | 5.8 | 4.5 | -179 | -1 | -1 | 8.3 | 2403 | 36 | 3.3 | 51 | 0.554 | | | |
| 30-44 | 9556 | -112.3911 | -2-12- | 0-119089 | | 5014 | 807 | 15500 | 67 | -2 | 9.4 | 8.0 | -270 | -1 | -1 | 9.9 | 2806 | 48 | 4.6 | 70 | 0.495 | | | |
| 30-44 | 9578 | -112.4292 | -2-15- | 0-119090 | | 9270 | 545 | 12950 | 107 | -3 | 15.2 | 7.4 | -250 | -2 | -1 | 14.2 | 3724 | 87 | 4.4 | 85 | 0.331 | | | |
| 30-44 | 9503 | -112.4332 | -2-15- | 0-119091 | | 4753 | 611 | 12400 | 177 | -2 | 5.1 | 6.1 | -248 | 2 | -1 | 13.6 | 1386 | 21 | 4.4 | 52 | 1.118 | | | |
| 30-44 | 9458 | -112.4269 | -2-12- | 0-119092 | | 4387 | 404 | 12980 | -21 | 3 | 6.4 | 6.5 | -155 | -1 | -1 | 14.4 | 4455 | 55 | 6.3 | 78 | 0.389 | | | |
| 30-44 | 9402 | -112.4389 | -2-12- | 0-119093 | | 5177 | 492 | 15710 | 62 | -2 | 6.9 | 5.5 | -214 | -1 | -1 | 15.0 | 3553 | 42 | 4.3 | 67 | 0.393 | | | |
| 30-44 | 9256 | -112.4314 | -2-11- | 0-119094 | | 9949 | 493 | 16080 | 81 | -3 | 16.8 | 6.3 | -234 | -1 | -1 | 11.2 | 7089 | 90 | 4.8 | 104 | 0.348 | | | |
| 30-44 | 9600 | -112.3989 | -2-12- | 0-119095 | | 5094 | 346 | 18230 | 76 | -2 | 8.6 | 7.0 | -206 | -1 | -1 | 11.3 | 2435 | 40 | 6.9 | 66 | 0.416 | | | |
| 30-44 | 9529 | -112.3681 | -2-12- | 0-119096 | | 3772 | 496 | 17100 | 50 | -2 | 6.8 | 4.7 | -134 | -1 | -1 | 10.4 | 2587 | 44 | 4.5 | 77 | 0.433 | | | |
| 30-44 | 9792 | -112.2731 | -2-12- | 0-119097 | | 9202 | 398 | 15940 | 75 | -2 | 8.3 | 6.9 | -183 | -1 | -1 | 12.4 | 4019 | 52 | 5.2 | -25 | 0.460 | | | |
| 30-44 | 9778 | -112.2722 | -2-12- | 0-119098 | | 6849 | 948 | 16230 | 115 | -2 | 9.5 | 6.9 | -317 | -1 | -1 | 11.7 | 3374 | 49 | 4.8 | 49 | 0.393 | | | |
| 30-44 | 9323 | -112.3694 | -2-12- | 0-119099 | | 2527 | 2628 | 12790 | -24 | -2 | 7.7 | 5.2 | -457 | -1 | -1 | 9.6 | 2608 | 49 | 3.8 | -48 | 0.375 | | | |
| 30-44 | 9792 | -112.3494 | -2-15- | 0-119100 | | 5440 | 837 | 15500 | -32 | -2 | 8.8 | 6.5 | -262 | -1 | -1 | 9.4 | 3070 | 48 | 5.1 | -37 | 0.489 | | | |
| 30-44 | 9902 | -112.3264 | -2-15- | 0-119101 | | 6524 | 863 | 14700 | 80 | -2 | 9.2 | 5.0 | -304 | -1 | -1 | 9.2 | 3190 | 54 | 4.0 | 117 | 0.457 | | | |
| 30-44 | 9939 | -112.3167 | -2-12- | 0-119102 | | 11600 | 971 | 14360 | 90 | -2 | 6.5 | 10.3 | -280 | -1 | -1 | 22.1 | 5181 | 61 | 9.1 | 124 | 0.294 | | | |
| 30-44 | 9369 | -112.2669 | -2-15- | 0-119103 | | 7986 | 734 | 12630 | 114 | -2 | 12.0 | 10.3 | -261 | 3 | -1 | 19.8 | 3587 | 68 | 7.3 | 113 | 0.202 | | | |
| 30-44 | 9217 | -112.2764 | -2-12- | 0-119104 | | 8266 | 650 | 16140 | 94 | -2 | 9.4 | -0.8 | -249 | 2 | 2 | 19.9 | 5031 | 57 | 6.3 | 105 | 0.226 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | LALS SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|---------|--|--------------|------|-----------------|-------------------|---------------------------------|----------------------|----|------------------------|--------------|-----------|------------|---------------|----------------|-----------|-------------|-------------|-----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|--------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | RESCALE | LALS SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SODIUM (ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER ROW | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-44.9125 | -113.2533 | -2-12- | 0-113105 | 09/22/76 | -12- | 13- | 9.4 | - | 5.5 | 75- | 14-2-5-4-6-3-3-2-2-3-2-2-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.4C | | | |
| 30-44.9061 | -113.325C | -2-12- | 0-113106 | 09/22/76 | -13- | 13- | 9.4 | - | 5.2 | 46- | 14-2-7-4-6-3-3-1-2-3-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8.80 | | | |
| 30-44.9056 | -113.3028 | -2-15- | 0-113107 | 09/22/76 | -13- | 14- | - | - | - | - | 23-2-5-4-6-6-1-2-3-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.2C | | | |
| 30-44.8972 | -113.2538 | -2-12- | 0-113108 | 09/22/76 | -14- | 13-10.0 | - | - | 5.2 | 35- | 14-2-5-4-6-3-3-2-2-2-3-2-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.10 | | | | |
| 30-44.9078 | -113.2899 | -2-12- | 0-113109 | 09/22/76 | -14- | 13-10.0 | - | - | 5.2 | 35- | 18-2-6-4-6-3-3-2-2-2-3-2-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.1C | | | | |
| 30-44.8750 | -113.2651 | -2-12- | 0-113110 | 09/22/76 | -14- | 14-10.5 | - | - | 5.7 | 240- | 18-2-6-4-6-3-3-2-2-2-3-2-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.96 | | | | |
| 30-44.8983 | -113.2589 | -2-12- | 0-113111 | 09/22/76 | -15- | 14- | 9.5 | - | 5.7 | 90- | 28-2-6-4-6-3-3-1-2-2-3-2-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | | | |
| 30-44.9339 | -113.2556 | -2-12- | 0-113112 | 09/22/76 | - | 15- | 9.4 | - | 5.5 | 55- | 18-2-6-4-6-3-3-2-1-2-2-3-2-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.3C | | | | |
| 30-44.6644 | -112.760C | -2-15- | 0-113113 | 09/28/76 | -9- | 12- | - | - | - | - | 14-2-1-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.0C | | | | |
| 30-44.6606 | -112.7675 | -2-15- | 0-113114 | 09/28/76 | -10- | 12- | - | - | - | - | 14-1-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | | | |
| 30-44.6717 | -112.8456 | -2-15- | 0-113115 | 09/28/76 | -10- | 12- | - | - | - | - | 14-1-1-4-6-6-1-2-4-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | | |
| 30-44.6850 | -112.8136 | -2-11- | 0-113116 | 09/28/76 | -10- | 12- | 8.4 | - | 5.5 | 65- | 18-1-1-4-6-3-3-3-1-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.9C | | | | |
| 30-44.6833 | -112.8483 | -2-15- | 0-113117 | 09/28/76 | -10- | 12- | - | - | - | - | 9-2-1-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | | |
| 30-44.6825 | -112.8489 | -2-15- | 0-113118 | 09/28/76 | -10- | 12- | - | - | - | - | 14-1-1-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | | |
| 30-44.7022 | -112.8606 | -2-15- | 0-113119 | 09/28/76 | -11- | 12- | - | - | - | - | 14-1-6-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.0C | | | | |
| 30-44.7092 | -112.8642 | -2-15- | 0-113120 | 09/28/76 | -11- | 12- | - | - | - | - | 14-1-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | | |
| 30-44.7106 | -112.8153 | -2-11- | 0-113121 | 09/28/76 | -11- | 12- | 8.6 | - | 5.1 | 32- | 18-1-6-4-6-6-3-3-1-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | | |
| 30-44.7225 | -112.7767 | -2-15- | 0-113122 | 09/28/76 | -11- | 13- | - | - | - | - | 18-1-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.70 | | | |
| 30-44.7239 | -112.8683 | -2-15- | 0-113123 | 09/28/76 | -12- | 13- | - | - | - | - | 18-1-6-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | | |
| 30-44.7225 | -112.8744 | -2-15- | 0-113124 | 09/28/76 | -12- | 13- | - | - | - | - | 5-1-6-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 30-44.6564 | -112.8531 | -2-15- | 0-113125 | 09/28/76 | -13- | 13- | - | - | - | - | 14-1-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.0C | | | |
| 30-44.6533 | -112.8297 | -2-15- | 0-113126 | 09/28/76 | -13- | 13- | - | - | - | - | 14-1-6-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.6C | | | |
| 30-44.6342 | -112.8653 | -2-11- | 0-113127 | 09/28/76 | -13- | 13- | 8.4 | - | 5.2 | 48- | 18-1-6-4-6-6-3-3-1-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.0C | | | | |
| 30-44.6283 | -112.8214 | -2-11- | 0-113128 | 09/28/76 | -14- | 13- | 8.8 | - | 5.7 | 75- | 28-1-6-4-6-6-3-3-1-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | | | |
| 30-44.6356 | -112.7594 | -2-12- | 0-113129 | 09/28/76 | -14- | 13- | 9.4 | - | 5.7 | 120- | 14-1-6-4-6-6-3-3-2-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | | |
| 30-44.6342 | -112.7586 | -2-12- | 0-113130 | 09/28/76 | -14- | 13- | 9.8 | - | 5.7 | 135- | 18-1-6-4-6-6-3-3-2-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.9C | | | | |
| 30-44.6225 | -112.8628 | -2-15- | 0-113131 | 09/28/76 | -15- | 13- | - | - | - | - | 18-1-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | | |
| 30-44.6044 | -112.8811 | -2-11- | 0-113132 | 09/28/76 | -15- | 12- | 8.4 | - | 5.5 | 115- | 14-1-6-4-6-6-3-3-1-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.6C | | | | |
| 30-44.6131 | -112.7539 | -2-15- | 0-113133 | 09/28/76 | -15- | 13- | - | - | - | - | 9-2-6-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | | |
| 30-44.6119 | -112.7944 | -2-15- | 0-113134 | 09/28/76 | -15- | 13- | - | - | - | - | 18-2-6-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | | |
| 30-44.6033 | -112.8642 | -2-12- | 0-113135 | 09/28/76 | -16- | 13- | 9.6 | - | 5.9 | 130- | 23-2-6-4-6-6-3-3-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | | |
| 30-44.5950 | -112.8036 | -2-15- | 0-113136 | 09/28/76 | -16- | 14- | - | - | - | - | 18-2-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | | |
| 30-44.5781 | -112.7642 | -2-15- | 0-113137 | 09/28/76 | -16- | 14- | - | - | - | - | 18-2-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.70 | | | | |
| 30-44.5814 | -112.7550 | -2-11- | 0-113138 | 09/28/76 | -17- | 14- | 8.4 | - | 5.2 | 46- | 18-2-6-4-6-6-3-3-1-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | | |
| 30-44.5597 | -112.7894 | -2-15- | 0-113139 | 09/28/76 | -17- | 14- | - | - | - | - | 14-2-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.50 | | | | |
| 30-44.5283 | -112.7569 | -2-11- | 0-113140 | 09/28/76 | -17- | 14- | 8.4 | - | 5.2 | 37- | 14-2-6-4-6-6-3-3-1-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | | |
| 30-44.5444 | -112.8006 | -2-15- | 0-113141 | 09/28/76 | -18- | 14- | - | - | - | - | 18-2-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.8C | | | | |
| 30-44.5531 | -112.8225 | -2-15- | 0-113142 | 09/28/76 | -18- | 14- | - | - | - | - | 18-2-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.6C | | | | |
| 30-44.5622 | -112.8297 | -2-15- | 0-113143 | 09/28/76 | -18- | 14- | - | - | - | - | 18-2-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.70 | | | | |
| 30-44.5681 | -112.8583 | -2-12- | 0-113144 | 09/28/76 | -18- | 14- | 8.4 | - | 5.7 | 240- | 18-2-6-4-6-6-3-3-2-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | | |
| 30-44.5558 | -112.8594 | -2-15- | 0-113145 | 09/28/76 | -18- | 14- | - | - | - | - | 14-2-6-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.3C | | | | |
| 30-44.5481 | -112.8333 | -2-12- | 0-113146 | 09/28/76 | -19- | 14- | 9.2 | - | 5.9 | 340- | 18-2-6-4-6-6-3-3-2-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.7C | | | | |
| 30-44.5478 | -112.8256 | -2-15- | 0-113147 | 09/30/76 | -9- | 12- | - | - | - | - | 23-1-6-5-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | | |
| 30-44.5447 | -112.8272 | -2-15- | 0-113148 | 09/30/76 | -9- | 12- | - | - | - | - | 18-1-6-5-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.7C | | | | |
| 30-44.5114 | -112.8569 | -2-15- | 0-113149 | 09/30/76 | -10- | 12- | - | - | - | - | 18-1-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | | |
| 30-44.5108 | -112.8183 | -2-15- | 0-113150 | 09/30/76 | -10- | 12- | - | - | - | - | 18-1-6-4-6-6-1-2-3-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | | |
| 30-44.5256 | -112.8533 | -2-15- | 0-113151 | 09/30/76 | -10- | 12- | - | - | - | - | 18-2-1-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | | |
| 30-44.5358 | -112.8722 | -2-15- | 0-113152 | 09/30/76 | -10- | 12- | - | - | - | - | 14-2-1-4-6-6-1-2-3-3-2-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | | |
| 30-44.5311 | -112.8650 | -2-11- | 0-113 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------|---|----|-----|-----|----|----|------|----|----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 30-44.9125-113.2583-2-12- | 0-L18105 | -5 | -5 | -5 | 12 | -20 | -15 | 11 | -10 | -15 | 12 | -5 | 570 | 3 | 22 | | | | | | |
| 30-44.9061-113.3250-2-12- | 0-L18106 | -5 | 8 | -5 | 17 | 43 | 18 | 11 | -10 | -15 | 18 | -5 | 1718 | 2 | 24 | | | | | | |
| 30-44.9056-113.3028-2-15- | 0-L18107 | -5 | -5 | -5 | 11 | -20 | -15 | 20 | -10 | -15 | 7 | -5 | 490 | 2 | 34 | | | | | | |
| 30-44.8972-113.2556-2-12- | 0-L18108 | -5 | -5 | -5 | 22 | -20 | -15 | 10 | -10 | -15 | 12 | -5 | 697 | 3 | 25 | | | | | | |
| 30-44.9022-113.2889-2-12- | 0-L18109 | -5 | -5 | -5 | 14 | 20 | 19 | 12 | -10 | 16 | 14 | -5 | 1450 | 2 | 26 | | | | | | |
| 30-44.8759-113.2661-2-12- | 0-L18110 | -5 | 10 | -5 | 20 | -20 | 20 | 14 | -10 | -15 | 20 | -5 | 670 | 3 | 24 | | | | | | |
| 30-44.8983-113.2589-2-12- | 0-L18111 | -5 | -5 | -5 | 12 | -20 | -15 | 8 | -10 | -15 | 17 | -5 | 485 | 2 | 28 | | | | | | |
| 30-44.9339-113.2556-2-12- | 0-L18112 | -5 | -5 | -5 | 22 | -20 | 18 | 13 | -10 | -15 | 15 | -5 | 532 | 3 | 29 | | | | | | |
| 30-44.6644-112.7600-2-15- | 0-L18113 | -5 | 5 | -5 | 15 | -20 | 21 | 7 | -10 | -15 | 11 | -5 | 153 | -1 | 25 | | | | | | |
| 30-44.6606-112.7675-2-15- | 0-L18114 | -5 | -5 | -5 | 11 | -20 | -15 | 5 | -10 | -15 | 9 | -5 | 302 | 1 | 12 | | | | | | |
| 30-44.6717-112.8456-2-15- | 0-L18115 | -5 | 5 | -5 | 30 | -20 | -15 | 14 | -10 | -15 | 25 | -5 | 176 | 2 | 20 | | | | | | |
| 30-44.6850-112.8136-2-11- | 0-L18116 | -5 | -5 | -5 | 16 | -20 | 18 | -5 | -10 | -15 | 5 | -5 | 310 | -1 | 20 | | | | | | |
| 30-44.6832-112.8482-2-15- | 0-L18117 | -5 | -5 | -5 | 25 | -20 | 46 | 7 | -10 | -15 | 9 | -5 | 234 | 1 | 35 | | | | | | |
| 30-44.6825-112.8489-2-15- | 0-L18118 | -5 | 5 | -5 | 28 | -20 | -15 | 5 | -10 | -15 | 34 | -5 | 205 | -1 | 18 | | | | | | |
| 30-44.7022-112.8606-2-15- | 0-L18119 | -5 | -5 | -5 | 16 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 65 | -1 | 4 | | | | | | |
| 30-44.7092-112.8642-2-15- | 0-L18120 | -5 | -5 | -5 | 23 | -20 | -15 | 8 | -10 | -15 | 24 | -5 | 168 | 2 | 19 | | | | | | |
| 30-44.7106-112.8153-2-11- | 0-L18121 | -5 | -5 | -5 | 14 | -20 | -15 | 5 | -10 | -15 | 6 | -5 | 154 | 1 | 18 | | | | | | |
| 30-44.7325-112.7767-2-15- | 0-L18122 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 46 | -1 | 3 | | | | | | |
| 30-44.7239-112.8623-2-15- | 0-L18123 | -5 | 6 | -5 | 27 | -20 | -15 | -5 | -10 | -15 | 17 | -5 | 194 | 2 | 16 | | | | | | |
| 30-44.7325-112.8744-2-15- | 0-L18124 | -5 | -5 | -5 | 26 | -20 | -15 | -5 | -10 | -15 | 39 | -5 | 171 | 2 | 21 | | | | | | |
| 30-44.6564-112.8531-2-15- | 0-L18125 | -5 | 6 | -5 | 22 | -20 | -15 | 7 | -10 | -15 | 20 | -5 | 196 | 1 | 17 | | | | | | |
| 30-44.6532-112.8297-2-15- | 0-L18126 | -5 | 5 | -5 | 21 | 41 | -15 | 10 | -10 | 15 | 29 | -5 | 194 | 2 | 18 | | | | | | |
| 30-44.6342-112.8653-2-11- | 0-L18127 | -5 | -5 | -5 | 11 | -20 | 28 | 5 | -10 | -15 | -5 | -5 | 625 | -1 | 18 | | | | | | |
| 30-44.6383-112.8314-2-11- | 0-L18128 | -5 | 6 | -5 | -10 | -20 | 31 | 7 | -10 | -15 | 6 | -5 | 1031 | -1 | 13 | | | | | | |
| 30-44.6356-112.7994-2-12- | 0-L18129 | -5 | -5 | -5 | 14 | -20 | 23 | -5 | -10 | -15 | 8 | -5 | 201 | 1 | 19 | | | | | | |
| 30-44.6342-112.7986-2-12- | 0-L18130 | -5 | -5 | -5 | 14 | -20 | 31 | 6 | -10 | -15 | -5 | -5 | 533 | -1 | 18 | | | | | | |
| 30-44.6225-112.8428-2-15- | 0-L18131 | -5 | 6 | -5 | 20 | -20 | -15 | 10 | -10 | -15 | 22 | -5 | 158 | 1 | 23 | | | | | | |
| 30-44.6044-112.8611-2-11- | 0-L18132 | -5 | -5 | -5 | 18 | -20 | 20 | -5 | -10 | -15 | 6 | -5 | 514 | 1 | 17 | | | | | | |
| 30-44.6131-112.7939-2-15- | 0-L18133 | -5 | 6 | -5 | 21 | -20 | 16 | 8 | -10 | -15 | 20 | -5 | 190 | 1 | 19 | | | | | | |
| 30-44.6119-112.7944-2-15- | 0-L18134 | -5 | -5 | -5 | 26 | -20 | -15 | 8 | -10 | -15 | 15 | -5 | 194 | 2 | 21 | | | | | | |
| 30-44.6033-112.8042-2-12- | 0-L18135 | -5 | -5 | -5 | 23 | -20 | -15 | 10 | -10 | 16 | 5 | -5 | 254 | 1 | 24 | | | | | | |
| 30-44.5850-112.8036-2-15- | 0-L18136 | -5 | -5 | -5 | 21 | -20 | -15 | 7 | -10 | -15 | 22 | -5 | 183 | 1 | 16 | | | | | | |
| 30-44.5781-112.7942-2-15- | 0-L18137 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 41 | -1 | 2 | | | | | | |
| 30-44.5814-112.7550-2-11- | 0-L18138 | -5 | 8 | -5 | 19 | -20 | -15 | 7 | -10 | 18 | 8 | -5 | 217 | 2 | 20 | | | | | | |
| 30-44.5597-112.7894-2-15- | 0-L18139 | -5 | 6 | -5 | 13 | -20 | -15 | -5 | -10 | -15 | 8 | -5 | 184 | -1 | 7 | | | | | | |
| 30-44.5283-112.7569-2-11- | 0-L18140 | -5 | 9 | -5 | 10 | -20 | 23 | 7 | -10 | -15 | -5 | -5 | 519 | 1 | 16 | | | | | | |
| 30-44.5444-112.8006-2-15- | 0-L18141 | -5 | -5 | -5 | 22 | -20 | -15 | 13 | -10 | -15 | 14 | -5 | 182 | 1 | 18 | | | | | | |
| 30-44.5531-112.8225-2-15- | 0-L18142 | -5 | -5 | -5 | 22 | -20 | -15 | 7 | -10 | 16 | 16 | -5 | 197 | 2 | 17 | | | | | | |
| 30-44.5622-112.8297-2-15- | 0-L18143 | -5 | 5 | -5 | 52 | -20 | -15 | 16 | -10 | -15 | 5 | -5 | 215 | 3 | 29 | | | | | | |
| 30-44.5681-112.8583-2-12- | 0-L18144 | -5 | -5 | -5 | 21 | -20 | 18 | 5 | -10 | -15 | 9 | -5 | 231 | 1 | 31 | | | | | | |
| 30-44.5658-112.8594-2-15- | 0-L18145 | -5 | -5 | -5 | 27 | -20 | -15 | -5 | -10 | -15 | 32 | -5 | 200 | 2 | 14 | | | | | | |
| 30-44.5481-112.8223-2-12- | 0-L18146 | -5 | 7 | -5 | 30 | -20 | -15 | 10 | -10 | 25 | 6 | -5 | 213 | 1 | 17 | | | | | | |
| 30-44.5478-112.8256-2-15- | 0-L18147 | -5 | -5 | -5 | 16 | -20 | 42 | 12 | -10 | -15 | -5 | -5 | 214 | 2 | 35 | | | | | | |
| 30-44.5447-112.8272-2-15- | 0-L18148 | -5 | 6 | -5 | 33 | -20 | 49 | -5 | -10 | -15 | 11 | -5 | 139 | 2 | 32 | | | | | | |
| 30-44.5114-112.8089-2-15- | 0-L18149 | -5 | -5 | -5 | 51 | 20 | 63 | 5 | -10 | -15 | 10 | -5 | 124 | 2 | 31 | | | | | | |
| 30-44.5108-112.8083-2-15- | 0-L18150 | -5 | -5 | -5 | 33 | -20 | 50 | 6 | -10 | -15 | 9 | -5 | 268 | 2 | 26 | | | | | | |
| 30-44.5256-112.8532-2-15- | 0-L18151 | -5 | -5 | -5 | 51 | -20 | 68 | 14 | -10 | 20 | 10 | -5 | 138 | 1 | 32 | | | | | | |
| 30-44.5358-112.8722-2-15- | 0-L18152 | -5 | 6 | -5 | 28 | -20 | 16 | 20 | -10 | 27 | 8 | -5 | 233 | 2 | 26 | | | | | | |
| 30-44.5311-112.8650-2-11- | 0-L18153 | -5 | -5 | -5 | 18 | -20 | -15 | 10 | -10 | -15 | 11 | -5 | 200 | 2 | 16 | | | | | | |
| 30-44.4642-112.8588-2-12- | 0-L18154 | -5 | -5 | -5 | 33 | -20 | 57 | 9 | -10 | -15 | 7 | -5 | 169 | 2 | 31 | | | | | | |
| 30-44.4939-112.8947-2-15- | 0-L18155 | -5 | 5 | -5 | 20 | -20 | -15 | 6 | -10 | -15 | 14 | -5 | 191 | 1 | 15 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

3

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE | DOE LAB LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | |
|-------------------|----------|------------|---------|-------------|---------|------------------------|----------------------------|--|-----|------|------|-----|------|----|-----|-------|------|-------|----|-----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | DOE LAB | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | | A | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 30-44 | 912F | -113.29583 | -2-12- | 0-119105 | 66590 | -0.09 | 1772 | 17030 | 110 | 214 | 10.8 | 92 | 7.1 | 3 | 2.4 | 29130 | 23.6 | 21940 | 56 | 0.7 | |
| 30-44 | 9061 | -113.3250 | -2-12- | 0-119106 | 63620 | -0.10 | 281 | 18920 | 178 | -114 | 11.9 | 154 | 6.4 | 15 | 3.1 | 38920 | 80.3 | 22610 | 68 | 1.4 | |
| 30-44 | 9056 | -113.3028 | -2-15- | 0-119107 | 65690 | -0.10 | 731 | 11040 | 137 | 235 | 12.7 | 119 | 5.0 | 9 | 2.4 | 42140 | 25.2 | 24240 | 70 | 0.9 | |
| 30-44 | 8972 | -113.2958 | -2-12- | 0-119108 | 66170 | -0.08 | 982 | 17400 | 135 | 158 | 10.5 | 105 | 6.6 | 10 | 2.8 | 29140 | 33.0 | 23960 | 59 | 0.9 | |
| 30-44 | 9028 | -113.2889 | -2-12- | 0-119109 | 65170 | -0.08 | 1367 | 19440 | 130 | 211 | 11.7 | 120 | 6.7 | 10 | 2.2 | 32440 | 56.0 | 23130 | 66 | 1.2 | |
| 30-44 | 8769 | -113.2661 | -2-12- | 0-119110 | 64480 | -0.09 | 1115 | 16100 | 143 | -113 | 11.6 | 96 | 6.8 | 11 | 2.6 | 32700 | 33.5 | 22770 | 61 | 1.0 | |
| 30-44 | 8993 | -113.2589 | -2-12- | 0-119111 | 66700 | -0.10 | 1080 | 17700 | 127 | 213 | 14.4 | 99 | 8.6 | 9 | 3.0 | 38400 | 25.4 | 24200 | 67 | 0.8 | |
| 30-44 | 9339 | -113.2556 | -2-12- | 0-119112 | 63640 | -0.09 | 1056 | 17750 | 126 | 212 | 11.3 | 95 | 7.8 | 8 | 2.6 | 31700 | 23.8 | 21950 | 53 | 0.6 | |
| 30-44 | 6644 | -112.7600 | -2-15- | 0-119113 | 29530 | -0.05 | -67 | 108600 | 35 | -40 | 7.9 | 66 | 2.0 | 3 | 0.8 | 17870 | 5.2 | 4944 | 19 | 0.2 | |
| 30-44 | 6606 | -112.7675 | -2-15- | 0-119114 | 24540 | -0.05 | 265 | 22000 | 38 | -68 | 4.9 | 46 | 2.4 | 3 | 0.9 | 11520 | 11.4 | 9587 | 20 | 0.2 | |
| 30-44 | 6717 | -112.8456 | -2-15- | 0-119115 | 55060 | -0.09 | 503 | 29200 | 76 | -79 | 16.2 | 69 | 11.1 | 6 | 1.9 | 33680 | 8.2 | 17010 | 40 | 0.5 | |
| 30-44 | 6850 | -112.8136 | -2-11- | 0-119116 | 36040 | -0.06 | 528 | 65940 | 68 | -69 | 10.4 | 111 | 3.1 | 4 | 1.5 | 17700 | 12.2 | 10790 | 33 | 0.3 | |
| 30-44 | 6833 | -112.8483 | -2-15- | 0-119117 | 59140 | -0.07 | 896 | 69270 | 80 | 125 | 17.1 | 135 | 4.8 | 4 | 2.1 | 31440 | 8.6 | 17680 | 43 | 0.3 | |
| 30-44 | 6825 | -112.8489 | -2-15- | 0-119118 | 53020 | -0.09 | 454 | 28090 | 71 | -87 | 9.0 | 61 | 7.6 | 6 | 1.5 | 23150 | 8.3 | 14680 | 27 | 0.4 | |
| 30-44 | 7022 | -112.8606 | -2-15- | 0-119119 | 11060 | -0.04 | 152 | 38000 | 21 | -29 | 3.7 | 24 | -0.7 | 1 | 0.4 | 7050 | 2.7 | 2807 | 12 | 0.1 | |
| 30-44 | 7092 | -112.8642 | -2-15- | 0-119120 | 50640 | -0.07 | 461 | 31570 | 60 | -75 | 11.5 | 45 | 6.5 | 5 | 1.6 | 21800 | 5.9 | 12720 | 33 | 0.4 | |
| 30-44 | 7106 | -112.8153 | -2-11- | 0-119121 | 25500 | -0.07 | 720 | 72920 | 57 | -72 | 5.0 | 29 | 2.7 | 3 | 1.2 | 13500 | 6.9 | 15560 | 21 | 0.2 | |
| 30-44 | 7325 | -112.7767 | -2-15- | 0-119122 | 6204 | -0.03 | 147 | 6128 | 10 | 61 | -0.5 | 15 | -0.6 | 1 | 0.2 | 2684 | 1.5 | 3006 | -2 | 0.1 | |
| 30-44 | 7239 | -112.8683 | -2-15- | 0-119123 | 42600 | -0.06 | 491 | 30430 | 51 | -50 | 6.8 | 55 | 5.9 | 4 | 1.3 | 18170 | 7.7 | 12220 | 28 | 0.4 | |
| 30-44 | 7325 | -112.8744 | -2-15- | 0-119124 | 50850 | -0.07 | 451 | 26200 | 61 | -74 | 12.9 | 55 | 7.1 | 5 | 1.7 | 24980 | 7.0 | 14800 | 32 | 0.4 | |
| 30-44 | 6564 | -112.8531 | -2-15- | 0-119125 | 53720 | -0.08 | 633 | 32920 | 66 | -77 | 8.6 | 53 | 7.1 | 4 | 1.5 | 23000 | 7.5 | 15660 | 31 | 0.4 | |
| 30-44 | 6532 | -112.8297 | -2-15- | 0-119126 | 53850 | -0.09 | 468 | 31310 | 74 | -91 | 14.2 | 67 | 9.6 | 6 | 2.0 | 30760 | 7.6 | 15350 | 38 | 0.4 | |
| 30-44 | 6342 | -112.8653 | -2-11- | 0-119127 | 37450 | -0.06 | 543 | 58500 | 82 | 107 | 11.3 | 153 | 3.1 | 5 | 1.8 | 21250 | 29.8 | 11920 | 47 | 0.5 | |
| 30-44 | 6328 | -112.8214 | -2-11- | 0-119128 | 24860 | -0.06 | 729 | 55260 | 92 | -72 | 12.7 | 190 | 2.8 | 4 | 1.9 | 24580 | 39.0 | 9615 | 51 | 0.5 | |
| 30-44 | 6356 | -112.7994 | -2-12- | 0-119129 | 41740 | -0.05 | 648 | 64210 | 70 | -70 | 11.0 | 95 | 3.0 | 3 | 1.6 | 18420 | 9.1 | 13480 | 27 | 0.3 | |
| 30-44 | 6342 | -112.7986 | -2-12- | 0-119130 | 37220 | -0.06 | 633 | 61690 | 95 | -82 | 14.0 | 188 | 4.1 | 5 | 1.8 | 25970 | 31.0 | 10780 | 52 | 0.6 | |
| 30-44 | 6228 | -112.8428 | -2-15- | 0-119131 | 56110 | -0.07 | 397 | 27970 | 75 | 114 | 12.6 | 66 | 9.1 | 6 | 1.8 | 27520 | 6.6 | 15450 | 36 | 0.4 | |
| 30-44 | 6044 | -112.8611 | -2-11- | 0-119132 | 34660 | -0.06 | 504 | 57830 | 71 | -69 | 10.5 | 134 | 2.8 | 4 | 1.5 | 19160 | 21.5 | 11060 | 42 | 0.4 | |
| 30-44 | 6131 | -112.7939 | -2-15- | 0-119133 | 52530 | -0.07 | 583 | 36570 | 68 | -75 | 8.3 | 62 | 7.0 | 4 | 1.5 | 21810 | 7.6 | 14430 | 28 | 0.4 | |
| 30-44 | 6110 | -112.7944 | -2-15- | 0-119134 | 51850 | -0.09 | 433 | 28050 | 67 | -91 | 12.2 | 71 | 3.0 | 5 | 1.9 | 28910 | 8.8 | 17120 | 31 | 0.4 | |
| 30-44 | 6033 | -112.8042 | -2-12- | 0-119135 | 45890 | -0.06 | 533 | 50650 | 60 | -77 | 8.0 | 75 | 5.1 | 4 | 1.6 | 20160 | 9.9 | 17450 | 29 | 0.4 | |
| 30-44 | 5850 | -112.8036 | -2-15- | 0-119136 | 43420 | -0.07 | 495 | 36530 | 57 | -72 | 10.4 | 48 | 6.8 | 4 | 1.5 | 21770 | 5.5 | 14260 | 29 | 0.4 | |
| 30-44 | 5781 | -112.7942 | -2-15- | 0-119137 | 5500 | -0.03 | 114 | 5266 | 9 | -17 | 1.2 | 6 | 0.7 | 1 | 0.3 | 2050 | 1.5 | 2771 | -2 | 0.1 | |
| 30-44 | 5814 | -112.7550 | -2-11- | 0-119138 | 43060 | -0.08 | 603 | 51550 | 67 | 180 | 10.5 | 83 | 4.8 | 5 | 1.7 | 22860 | 9.7 | 17350 | 36 | 0.4 | |
| 30-44 | 5597 | -112.7894 | -2-15- | 0-119139 | 17000 | -0.04 | 260 | 34810 | 26 | 83 | 4.5 | 35 | 1.7 | 2 | 0.7 | 9401 | 6.6 | 7818 | 15 | 0.2 | |
| 30-44 | 5283 | -112.7569 | -2-11- | 0-119140 | 37590 | -0.06 | 635 | 58190 | 72 | -71 | 9.5 | 134 | 3.1 | 4 | 1.5 | 19950 | 23.5 | 12500 | 42 | 0.4 | |
| 30-44 | 5444 | -112.8006 | -2-15- | 0-119141 | 43390 | -0.07 | 621 | 37700 | 65 | -74 | 9.8 | 56 | 6.6 | 4 | 1.6 | 22270 | 8.4 | 15020 | 32 | 0.4 | |
| 30-44 | 5531 | -112.8225 | -2-15- | 0-119142 | 45140 | -0.08 | 501 | 26870 | 66 | -61 | 8.3 | 81 | 6.3 | 5 | 1.7 | 23400 | 9.9 | 14530 | 32 | 0.4 | |
| 30-44 | 5622 | -112.8297 | -2-15- | 0-119143 | 70190 | -0.03 | 1657 | 8141 | 85 | -77 | 8.3 | 41 | 5.0 | 8 | 2.8 | 27370 | 9.5 | 19770 | 36 | 0.6 | |
| 30-44 | 5681 | -112.8583 | -2-12- | 0-119144 | 46460 | -0.05 | 431 | 48310 | 53 | -73 | 8.2 | 81 | 4.5 | 4 | 1.5 | 19180 | 7.9 | 16140 | 32 | 0.4 | |
| 30-44 | 5658 | -112.8594 | -2-15- | 0-119145 | 49990 | -0.07 | 535 | 28770 | 70 | -77 | 11.4 | 54 | 5.8 | 4 | 1.6 | 21600 | 7.9 | 15720 | 25 | 0.4 | |
| 30-44 | 5481 | -112.8333 | -2-12- | 0-119146 | 40620 | -0.07 | 587 | 50550 | 70 | -84 | 10.1 | 89 | 3.8 | 5 | 1.8 | 19780 | 9.2 | 14590 | 36 | 0.4 | |
| 30-44 | 5478 | -112.8256 | -2-15- | 0-119147 | 56730 | -0.07 | 811 | 68230 | 83 | -91 | 18.4 | 155 | 5.0 | 4 | 2.2 | 31550 | 8.6 | 16190 | 45 | 0.4 | |
| 30-44 | 5447 | -112.8272 | -2-15- | 0-119148 | 61710 | -0.07 | 1180 | 58820 | 70 | -85 | 15.0 | 102 | 4.4 | 4 | 2.0 | 25480 | 5.6 | 16190 | 43 | 0.3 | |
| 30-44 | 5114 | -112.8089 | -2-15- | 0-119149 | 50970 | -0.09 | 871 | 89830 | 84 | 101 | 20.3 | 140 | 3.9 | 4 | 1.9 | 30640 | 5.9 | 15720 | 34 | 0.4 | |
| 30-44 | 5108 | -112.8083 | -2-15- | 0-119150 | 51050 | -0.10 | 723 | 82410 | 96 | 166 | 21.7 | 182 | 5.4 | 5 | 2.1 | 36970 | 13.1 | 16400 | 54 | 0.3 | |
| 30-44 | 5256 | -112.8533 | -2-15- | 0-119151 | 50160 | -0.08 | 842 | 84130 | 90 | -79 | 20.8 | 158 | 4.9 | 4 | 2.1 | 33630 | 5.7 | 15500 | 41 | 0.4 | |
| 30-44 | 5358 | -112.8722 | -2-15- | 0-119152 | 55730 | -0.08 | 505 | 31410 | 85 | -80 | 14.2 | 135 | 5.2 | 4 | 2.0 | 41670 | 11.9 | 16430 | 36 | 0.5 | |
| 30-44 | 5311 | -112.8650 | -2-11- | 0-119153 | 44080 | -0.06 | 502 | 28350 | 54 | -51 | 7.6 | 64 | 5.7 | 4 | 1.4 | 18830 | 7.7 | 13630 | 27 | 0.4 | |
| 30-44 | 4942 | -112.8958 | -2-12- | 0-119154 | 58420 | -0.07 | 841 | 72050 | 74 | -104 | 16.9 | 129 | 3.6 | 4 | 1.9 | 28320 | 5.4 | 20620 | 38 | 0.3 | |
| 30-44 | 4939 | -112.8947 | -2-15- | 0-119155 | 35070 | -0.06 | 453 | 36330 | 51 | -52 | 6.3 | 54 | 4.5 | 3 | 1.1 | 15670 | 7.8 | 13840 | 23 | 0.3 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | U/Th RATIO | | |
|-------------------|-----------|-----------|------------|-------------|-----------|---|------|-------|-----|----|------|------|------|----|----|------|------|-----|---------------|-----|-------|
| STATE | LATITUDE | LONGITUDE | L.A.S. LAB | SAMPLE TYPE | REPLICATE | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | |
| | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | | Yb | Zn |
| 30-44.9125 | -113.2983 | -2-12- | 0-119105 | | | 7F40 | 962 | 15360 | 97 | -2 | 9.4 | 9.4 | -265 | -1 | 1 | 16.3 | 3861 | 54 | 6.7 | 136 | 0.270 |
| 30-44.9061 | -113.3250 | -2-12- | 0-119106 | | | 8022 | 903 | 14650 | 69 | -2 | 11.0 | 12.7 | -272 | -1 | 2 | 25.4 | 6769 | 72 | 13.3 | 91 | 0.346 |
| 30-44.9056 | -113.3028 | -2-15- | 0-119107 | | | 6435 | 710 | 14060 | 113 | -2 | 12.0 | 10.7 | -266 | -1 | -1 | 22.0 | 4081 | 59 | 8.4 | 125 | 0.191 |
| 30-44.8972 | -113.2958 | -2-12- | 0-119108 | | | 7957 | 711 | 16220 | 90 | -2 | 9.9 | 10.4 | -259 | -1 | -1 | 17.9 | 6014 | 58 | 8.4 | 71 | 0.285 |
| 30-44.9029 | -113.2889 | -2-12- | 0-119109 | | | 7460 | 847 | 15640 | 113 | -2 | 10.0 | 10.5 | -226 | ? | -1 | 24.1 | 5880 | 73 | 9.7 | 84 | 0.295 |
| 30-44.8760 | -113.2661 | -2-12- | 0-119110 | | | 9379 | 824 | 15060 | 105 | -2 | 6.4 | 10.3 | -266 | -1 | -1 | 17.0 | 4283 | 60 | 7.4 | -98 | 0.288 |
| 30-44.8983 | -113.2589 | -2-12- | 0-119111 | | | 7792 | 743 | 15130 | 81 | -2 | 11.6 | 10.6 | -280 | -1 | -1 | 18.3 | 4530 | 50 | 8.6 | 126 | 0.224 |
| 30-44.9330 | -113.2556 | -2-12- | 0-119112 | | | 2289 | 1066 | 14420 | 82 | -2 | 9.7 | -0.9 | -316 | -1 | -1 | 17.7 | 4501 | 50 | 6.4 | 95 | 0.243 |
| 30-44.6644 | -112.7600 | -2-15- | 0-119113 | | | 6005 | 332 | 842 | -19 | -1 | 5.7 | 3.5 | 377 | -1 | | 5.8 | 1950 | 55 | 1.9 | 80 | 0.517 |
| 30-44.6606 | -112.7675 | -2-15- | 0-119114 | | | 6272 | 1095 | 2700 | 36 | -1 | 4.1 | 3.0 | -233 | -1 | | 5.2 | 1488 | 33 | 2.1 | 37 | 0.462 |
| 30-44.6717 | -112.8456 | -2-15- | 0-119115 | | | 9122 | 650 | 8065 | 75 | -2 | 12.2 | 7.5 | -274 | -1 | -1 | 12.6 | 2979 | 68 | 4.5 | 110 | 0.278 |
| 30-44.6856 | -112.8136 | -2-11- | 0-119116 | | | 13170 | 592 | 8643 | 35 | -1 | 6.6 | 4.2 | -204 | 1 | -1 | 7.1 | 2749 | 58 | -1.3 | 81 | 0.408 |
| 30-44.6833 | -112.8483 | -2-15- | 0-119117 | | | 18450 | 720 | 13680 | 53 | -2 | 10.0 | 5.7 | 469 | 2 | -1 | 10.1 | 4153 | 93 | 3.7 | 107 | 0.317 |
| 30-44.6925 | -112.8489 | -2-15- | 0-119118 | | | 9482 | 818 | 7866 | 47 | -2 | 8.8 | 6.3 | -237 | -1 | -1 | 10.2 | 2727 | 59 | 3.8 | -18 | 0.333 |
| 30-44.7022 | -112.8606 | -2-15- | 0-119119 | | | 3407 | 232 | 1215 | -14 | -1 | 2.3 | 1.5 | -114 | -1 | | 2.2 | 811 | 15 | 0.9 | | 0.455 |
| 30-44.7092 | -112.8642 | -2-15- | 0-119120 | | | 9927 | 939 | 7967 | 36 | -2 | 8.3 | 5.8 | -255 | -1 | -1 | 9.3 | 2649 | 55 | 3.3 | 75 | 0.366 |
| 30-44.7106 | -112.8153 | -2-11- | 0-119121 | | | 8013 | 670 | 5117 | 42 | -2 | 3.9 | 3.7 | 433 | -1 | -1 | 7.2 | 1900 | 47 | 1.6 | -50 | 0.347 |
| 30-44.7325 | -112.7767 | -2-15- | 0-119122 | | | 1341 | 93 | 776 | -12 | -1 | 0.9 | 0.5 | -67 | -1 | | 0.9 | -153 | 6 | 0.9 | | 0.778 |
| 30-44.7230 | -112.8683 | -2-15- | 0-119123 | | | 9050 | 394 | 3752 | 45 | -1 | 6.6 | 5.1 | -181 | -1 | 1 | 7.8 | 2098 | 50 | 3.1 | 67 | 0.590 |
| 30-44.7225 | -112.8744 | -2-15- | 0-119124 | | | 9801 | 953 | 7701 | 53 | -2 | 8.7 | 6.5 | -252 | -1 | -1 | 10.2 | 2665 | 61 | 3.0 | 89 | 0.324 |
| 30-44.6564 | -112.8531 | -2-15- | 0-119125 | | | 9473 | 976 | 7956 | -22 | -2 | 8.7 | 5.5 | -214 | -1 | -1 | 9.4 | 2377 | 60 | 2.6 | 66 | 0.319 |
| 30-44.6533 | -112.8297 | -2-15- | 0-119126 | | | 9259 | 953 | 8164 | 70 | -2 | 11.4 | 7.5 | -250 | -1 | -1 | 12.1 | 2733 | 59 | 3.8 | 81 | 0.298 |
| 30-44.6342 | -112.8653 | -2-11- | 0-119127 | | | 11760 | 737 | 8568 | 41 | -1 | 7.3 | 5.0 | -232 | 2 | -1 | 9.9 | 3941 | 67 | 4.3 | 60 | 0.404 |
| 30-44.6383 | -112.8214 | -2-11- | 0-119128 | | | 10720 | 752 | 8574 | -21 | -1 | 7.5 | 6.5 | -218 | 2 | -1 | 13.1 | 4343 | 67 | 5.1 | 104 | 0.359 |
| 30-44.6356 | -112.7954 | -2-12- | 0-119129 | | | 12530 | 526 | 10110 | 49 | -1 | 6.2 | 5.9 | -165 | -1 | -1 | 8.2 | 2406 | 54 | 2.4 | 77 | 0.317 |
| 30-44.6342 | -112.7986 | -2-12- | 0-119130 | | | 11720 | 620 | 8874 | 56 | -2 | 8.9 | 6.3 | -199 | -1 | -1 | 13.2 | 4158 | 68 | 5.2 | 115 | 0.295 |
| 30-44.6225 | -112.8428 | -2-15- | 0-119131 | | | 9573 | 929 | 7965 | 66 | -2 | 10.4 | 6.2 | -267 | -1 | -1 | 10.9 | 3246 | 68 | 3.7 | 101 | 0.321 |
| 30-44.6044 | -112.8611 | -2-11- | 0-119132 | | | 13110 | 568 | 8672 | 45 | -1 | 6.6 | 5.7 | 349 | 1 | -1 | 9.4 | 3766 | 53 | 3.2 | 50 | 0.383 |
| 30-44.6131 | -112.7939 | -2-15- | 0-119133 | | | 10630 | 977 | 7711 | 49 | -2 | 8.1 | 5.8 | -211 | -1 | -1 | 9.8 | 2630 | 62 | 3.5 | -22 | 0.306 |
| 30-44.6119 | -112.7944 | -2-15- | 0-119134 | | | 9088 | 968 | 8211 | 80 | -2 | 10.8 | 5.9 | -252 | -1 | -1 | 11.1 | 2706 | 57 | 4.4 | 87 | 0.252 |
| 30-44.6033 | -112.8042 | -2-12- | 0-119135 | | | 10160 | 913 | 8921 | 56 | -2 | 7.3 | 5.2 | -260 | -1 | -1 | 9.6 | 2442 | 48 | 3.5 | 102 | 0.323 |
| 30-44.5950 | -112.8036 | -2-15- | 0-119136 | | | 7498 | 946 | 6580 | -22 | -2 | 7.9 | 5.8 | -250 | -1 | -1 | 8.7 | 2455 | 55 | 3.2 | 137 | 0.310 |
| 30-44.5781 | -112.7942 | -2-15- | 0-119137 | | | 1372 | 83 | 651 | -8 | -1 | 0.8 | 1.0 | -55 | | | 1.1 | 345 | 7 | -0.4 | 44 | 0.636 |
| 30-44.5314 | -112.7550 | -2-11- | 0-119138 | | | 6726 | 957 | 7577 | 74 | -2 | 8.0 | 5.5 | -246 | -1 | -1 | 10.4 | 2560 | 50 | 2.7 | 74 | 0.269 |
| 30-44.5597 | -112.7894 | -2-15- | 0-119139 | | | 9237 | 413 | 2607 | -14 | -1 | 3.0 | 2.2 | -156 | -1 | | 3.7 | 1015 | 23 | 2.2 | 33 | 0.405 |
| 30-44.5282 | -112.7569 | -2-11- | 0-119140 | | | 11340 | 623 | 9243 | 32 | -1 | 6.7 | 5.5 | 322 | -1 | -1 | 10.1 | 3925 | 54 | 3.8 | 92 | 0.366 |
| 30-44.5444 | -112.8006 | -2-15- | 0-119141 | | | 9167 | 940 | 8875 | -22 | -2 | 7.9 | 6.1 | -211 | -1 | -1 | 9.4 | 2129 | 58 | 3.0 | 111 | 0.298 |
| 30-44.5531 | -112.8225 | -2-15- | 0-119142 | | | 8026 | 306 | 4037 | 78 | -2 | 8.8 | 6.1 | -165 | -1 | -1 | 10.4 | 1995 | 57 | 3.8 | 113 | 0.442 |
| 30-44.5522 | -112.8297 | -2-15- | 0-119143 | | | 5044 | 622 | 8774 | 88 | -2 | 10.4 | 7.2 | -240 | -1 | 1 | 12.4 | 2368 | 56 | 5.4 | 57 | 0.540 |
| 30-44.5681 | -112.8583 | -2-12- | 0-119144 | | | 11600 | 948 | 8771 | 53 | -1 | 6.9 | 5.7 | -255 | 1 | -1 | 8.5 | 2277 | 53 | 3.7 | 100 | 0.353 |
| 30-44.5658 | -112.8594 | -2-15- | 0-119145 | | | 9226 | 997 | 8143 | -21 | -2 | 7.5 | 6.1 | -213 | -1 | -1 | 8.0 | 2513 | 59 | 3.3 | 80 | 0.413 |
| 30-44.5481 | -112.8333 | -2-12- | 0-119146 | | | 9545 | 879 | 7366 | 63 | -2 | 7.5 | 5.5 | -229 | -1 | -1 | 9.7 | 2063 | 43 | 3.6 | 76 | 0.278 |
| 30-44.5478 | -112.8256 | -2-15- | 0-119147 | | | 16060 | 847 | 12960 | 58 | -2 | 10.3 | 6.1 | -260 | -1 | -1 | 11.5 | 3880 | 85 | 3.1 | 115 | 0.252 |
| 30-44.5444 | -112.8272 | -2-15- | 0-119148 | | | 15490 | 699 | 14990 | 57 | -2 | 8.7 | 5.3 | 433 | -1 | -1 | 10.1 | 2946 | 62 | 2.5 | 85 | 0.267 |
| 30-44.5114 | -112.8089 | -2-15- | 0-119149 | | | 22880 | 699 | 8597 | -27 | -2 | 10.0 | 5.7 | -204 | -1 | -1 | 10.2 | 3458 | 102 | 3.1 | 116 | 0.255 |
| 30-44.5108 | -112.8082 | -2-15- | 0-119150 | | | 18410 | 720 | 10740 | 75 | -2 | 12.2 | 7.5 | 445 | -1 | -1 | 12.8 | 3734 | 90 | 3.4 | 144 | 0.266 |
| 30-44.5256 | -112.8533 | -2-15- | 0-119151 | | | 21820 | 712 | 8597 | 44 | -2 | 11.1 | 6.6 | -245 | -1 | -1 | 10.3 | 3619 | 96 | 3.0 | -16 | 0.262 |
| 30-44.5358 | -112.8722 | -2-15- | 0-119152 | | | 12040 | 635 | 12760 | 68 | -2 | 12.5 | 6.5 | -213 | -1 | -1 | 13.4 | 2936 | 78 | 4.1 | 142 | 0.246 |
| 30-44.5311 | -112.8650 | -2-11- | 0-119153 | | | 8523 | 385 | 3873 | -21 | -1 | 7.1 | 5.1 | -142 | -1 | -1 | 8.6 | 1847 | 54 | 2.4 | 99 | 0.523 |
| 30-44.4942 | -112.8958 | -2-12- | 0-119154 | | | 15450 | 846 | 12200 | 54 | -2 | 9.4 | 6.1 | -245 | -1 | -1 | 9.7 | 3786 | 73 | 2.1 | 101 | 0.278 |
| 30-44.4939 | -112.8947 | -2-15- | 0-119155 | | | 10250 | 434 | 3873 | -18 | -1 | 5.5 | 3.9 | -183 | -1 | -1 | 7.1 | 2298 | 43 | 2.3 | -51 | 0.394 |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | | |
|-------------------|-----------|-----------|----------|-------------|-----------|---|---|-----|-----|-----|-----|-----|----|----|-----|----|----|----|--|------------------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 30-44.4958 | -112.9223 | -2-12- | 0-119156 | -5 | 0 | -5 | 17 | -20 | 48 | 14 | -10 | -15 | 10 | -5 | 184 | 2 | 32 | | | | |
| 30-44.4703 | -112.9621 | -2-12- | 0-119157 | -5 | -5 | -5 | 23 | -20 | -15 | -5 | -10 | -15 | 15 | -5 | 191 | 1 | 13 | | | | |
| 30-44.4617 | -112.9425 | -2-15- | 0-119158 | -5 | -5 | -5 | 33 | -20 | 44 | -5 | -10 | -15 | 12 | -5 | 170 | 2 | 26 | | | | |
| 30-44.4844 | -112.9064 | -2-15- | 0-119159 | -5 | -5 | -5 | 24 | -20 | -15 | -5 | -10 | 17 | 9 | -5 | 176 | 1 | 9 | | | | |
| 30-44.4528 | -112.9167 | -7-12- | 0-119160 | -5 | -5 | -5 | 22 | 27 | 60 | 9 | -10 | -15 | 8 | -5 | 178 | 1 | 29 | | | | |
| 30-44.4528 | -112.9122 | -7-12- | 0-119161 | -5 | -5 | -5 | 18 | -20 | 67 | 10 | -10 | -15 | -5 | -5 | 169 | 2 | 26 | | | | |
| 30-44.4375 | -112.9056 | -2-12- | 0-119162 | -5 | 6 | -5 | 10 | -20 | -15 | 6 | -10 | -15 | 10 | -5 | 341 | 2 | 11 | | | | |
| 30-44.4880 | -112.8183 | -2-15- | 0-119163 | -5 | -5 | -5 | 21 | -20 | -15 | 6 | -10 | -15 | 9 | -5 | 373 | -1 | 13 | | | | |
| 30-44.4875 | -112.8164 | -2-15- | 0-119164 | -5 | -5 | -5 | 31 | -20 | 82 | 7 | -10 | -15 | 9 | -5 | 203 | 2 | 37 | | | | |
| 30-44.6192 | -112.6414 | -2-12- | 0-119165 | -5 | -5 | -5 | 32 | -20 | 22 | 13 | -10 | -15 | 12 | -5 | 327 | 1 | 19 | | | | |
| 30-44.6153 | -112.6558 | -2-11- | 0-119166 | -5 | 6 | -5 | 30 | 24 | 51 | 7 | -10 | -15 | 13 | -5 | 210 | 1 | 25 | | | | |
| 30-44.5969 | -112.6511 | -2-15- | 0-119167 | -5 | 5 | -5 | 10 | 23 | 50 | 10 | -10 | -15 | -5 | -5 | 243 | 2 | 29 | | | | |
| 30-44.5875 | -112.6708 | -2-15- | 0-119168 | -5 | -5 | -5 | 29 | 29 | 60 | 7 | -10 | -15 | 12 | -5 | 144 | 2 | 26 | | | | |
| 30-44.5744 | -112.6786 | -2-12- | 0-119169 | -5 | -5 | -5 | 23 | -20 | -15 | -5 | -10 | -15 | 19 | -5 | 156 | 1 | 22 | | | | |
| 30-44.5750 | -112.6772 | -2-12- | 0-119170 | -5 | 7 | -5 | 15 | -20 | -15 | 9 | -10 | -15 | 5 | -5 | 379 | 1 | 10 | | | | |
| 30-44.5667 | -112.6619 | -2-11- | 0-119171 | -5 | -5 | -5 | 24 | 24 | 61 | 7 | -10 | -15 | 10 | -5 | 416 | 2 | 13 | | | | |
| 30-44.5556 | -112.6469 | -2-15- | 0-119172 | -5 | -5 | -5 | 28 | 36 | -15 | 12 | -10 | 23 | -5 | -5 | 184 | 3 | 24 | | | | |
| 30-44.5747 | -112.7022 | -2-12- | 0-119173 | -5 | 5 | -5 | 23 | -20 | 54 | -5 | -10 | -15 | 16 | -5 | 184 | 1 | 27 | | | | |
| 30-44.5831 | -112.7369 | -2-99- | 0-119174 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 18 | -5 | 218 | 1 | 12 | | | | |
| 30-44.6106 | -112.7222 | -2-11- | 0-119175 | -5 | -5 | -5 | 46 | -20 | 21 | 38 | -10 | -15 | 27 | -5 | 276 | 2 | 25 | | | | |
| 30-44.5525 | -112.7167 | -2-15- | 0-119176 | -5 | -5 | -5 | 33 | -20 | 52 | 14 | -10 | -15 | 24 | -5 | 236 | 2 | 22 | | | | |
| 30-44.5253 | -112.7247 | -2-15- | 0-119177 | -5 | -5 | -5 | 17 | -20 | -15 | -5 | -10 | -15 | 6 | -5 | 202 | 1 | 29 | | | | |
| 30-44.5314 | -112.7019 | -2-12- | 0-119178 | -5 | -5 | -5 | 33 | 30 | 40 | 11 | -10 | 16 | 7 | -5 | 437 | 2 | 39 | | | | |
| 30-44.8983 | -112.6164 | -2-12- | 0-119179 | -5 | -5 | -5 | -10 | -20 | -15 | 101 | -10 | -15 | -5 | -5 | 160 | 2 | 17 | | | | |
| 30-44.8908 | -112.5794 | -2-15- | 0-119180 | -5 | -5 | -5 | 20 | -20 | -15 | 5 | -10 | -15 | 19 | -5 | 160 | 2 | 21 | | | | |
| 30-44.8833 | -112.5639 | -2-15- | 0-119181 | -5 | -5 | -5 | 12 | -20 | -15 | -5 | -10 | -15 | 18 | -5 | 206 | 1 | 12 | | | | |
| 30-44.8872 | -112.5286 | -2-15- | 0-119182 | -5 | -5 | -5 | 12 | -20 | -15 | -5 | -10 | -15 | 20 | -5 | 289 | 1 | 12 | | | | |
| 30-44.8897 | -112.5306 | -2-15- | 0-119183 | -5 | -5 | -5 | 19 | -20 | -15 | 15 | -10 | -15 | 7 | -5 | 247 | 1 | 14 | | | | |
| 30-44.8956 | -112.5219 | -2-15- | 0-119184 | -5 | 9 | -5 | 11 | -20 | -15 | 7 | -10 | -15 | 18 | -5 | 232 | 2 | 22 | | | | |
| 30-44.8864 | -112.5078 | -2-15- | 0-119185 | -5 | -5 | -5 | 11 | -20 | -15 | 13 | -10 | -15 | 12 | -5 | 242 | 2 | 18 | | | | |
| 30-44.8856 | -112.5267 | -2-15- | 0-119186 | -5 | -5 | -5 | 31 | 35 | 41 | 8 | -10 | -15 | 11 | -5 | 227 | 1 | 28 | | | | |
| 30-44.8886 | -112.5650 | -2-12- | 0-119187 | -5 | 8 | -5 | -10 | 23 | -15 | 5 | -10 | -15 | 12 | -5 | 421 | 1 | 11 | | | | |
| 30-44.8981 | -112.5542 | -2-15- | 0-119188 | -5 | 10 | -5 | 24 | -20 | -15 | 12 | -10 | 17 | 12 | -5 | 230 | 2 | 15 | | | | |
| 30-44.9361 | -112.6228 | -2-15- | 0-119189 | -5 | 8 | -5 | 23 | -20 | -15 | 10 | -10 | -15 | 8 | -5 | 283 | 2 | 15 | | | | |
| 30-44.9317 | -112.6169 | -2-15- | 0-119190 | -5 | -5 | -5 | 23 | -20 | -15 | 5 | -10 | -15 | 16 | -5 | 169 | 2 | 13 | | | | |
| 30-44.9369 | -112.5997 | -2-15- | 0-119191 | -5 | -5 | -5 | 12 | -20 | -15 | 5 | -10 | -15 | 12 | -5 | 262 | 2 | 15 | | | | |
| 30-44.9586 | -112.5975 | -2-15- | 0-119192 | -5 | -5 | -5 | 18 | -20 | -15 | 5 | -10 | -15 | 15 | -5 | 147 | 2 | 21 | | | | |
| 30-44.8761 | -112.6289 | -2-15- | 0-119193 | -5 | 5 | -5 | 20 | -20 | -15 | 6 | -10 | -15 | 17 | -5 | 160 | 2 | 18 | | | | |
| 30-44.8922 | -112.6494 | -2-15- | 0-119194 | -5 | -5 | -5 | 17 | -20 | -15 | 6 | -10 | -15 | 17 | -5 | 184 | 2 | 23 | | | | |
| 30-44.9086 | -112.6586 | -2-15- | 0-119195 | -5 | -5 | -5 | -10 | -20 | -15 | 15 | -10 | -15 | 10 | -5 | 160 | 2 | 25 | | | | |
| 30-44.9094 | -112.6578 | -2-12- | 0-119196 | -5 | -5 | -5 | 12 | -20 | 18 | 6 | -10 | -15 | 7 | -5 | 174 | 1 | 10 | | | | |
| 30-44.9197 | -112.6783 | -2-15- | 0-119197 | -5 | 7 | -5 | 28 | -20 | -15 | 9 | -10 | 20 | 19 | -5 | 183 | 2 | 20 | | | | |
| 30-44.9336 | -112.6558 | -2-12- | 0-119198 | -5 | -5 | -5 | -10 | -20 | -15 | 6 | -10 | -15 | -5 | -5 | 155 | 1 | 7 | | | | |
| 30-44.9528 | -112.6858 | -2-15- | 0-119199 | -5 | -5 | -5 | 11 | -20 | 15 | 10 | -10 | -15 | 13 | -5 | 249 | 1 | 21 | | | | |
| 30-44.9947 | -112.0528 | -2-15- | 0-119201 | -5 | 7 | -5 | 20 | -20 | -15 | 7 | -10 | -15 | 17 | -5 | 212 | 2 | 15 | | | | |
| 30-44.9956 | -112.1028 | -2-15- | 0-119202 | -5 | -5 | -5 | 23 | -20 | 18 | -5 | -10 | -15 | 16 | -5 | 166 | 1 | 23 | | | | |
| 30-44.9936 | -112.1044 | -2-15- | 0-119203 | -5 | -5 | -5 | -10 | -20 | -15 | 10 | -10 | -15 | 10 | -5 | 195 | 2 | 17 | | | | |
| 30-44.9879 | -112.1092 | -2-15- | 0-119204 | -5 | 5 | -5 | 17 | -20 | -15 | 7 | -10 | -15 | 14 | -5 | 171 | 1 | 18 | | | | |
| 30-44.9675 | -112.1161 | -2-15- | 0-119205 | -5 | -5 | -5 | 25 | -20 | -15 | 12 | -10 | -15 | 7 | -5 | 151 | 2 | 17 | | | | |
| 30-44.9572 | -112.1164 | -2-12- | 0-119206 | -5 | -5 | -5 | 15 | -20 | -15 | -5 | -10 | -15 | 17 | -5 | 152 | 1 | 20 | | | | |
| 30-44.9356 | -112.1033 | -2-15- | 0-119207 | -5 | -5 | 5 | 19 | -20 | -15 | 10 | -10 | -15 | 11 | -5 | 214 | 2 | 15 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-----------|--|---|-----|------|------|-----|------|----|-----|-------|------|-------|----|-----|---|----|----|--|
| STATE | LATITUDE | LONGITUDE | U.S. LAG | SAMPLE TYPE | REPLICATE | U.S. SAREE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | EJ | Fe | Hf | K | La | Lu | |
| 30-44.4958 | -112.9226 | -2-12 | 0-11815A | 57940 | -0.08 | 819 | 55070 | 86 | -89 | 27.3 | 146 | 5.5 | 4 | 2.3 | 36250 | 7.2 | 18310 | 48 | 0.4 | | | | |
| 30-44.4703 | -112.9631 | -2-12 | 0-11815B | 47490 | -0.06 | 520 | 26690 | 55 | -52 | 6.9 | 60 | 5.4 | 4 | 1.3 | 17200 | 8.4 | 13460 | 27 | 0.4 | | | | |
| 30-44.4617 | -112.9425 | -2-15 | 0-11815B | 57150 | -0.07 | 872 | 73310 | 67 | -103 | 16.8 | 117 | 3.0 | 4 | 1.8 | 28260 | 6.7 | 13770 | 41 | 0.3 | | | | |
| 30-44.4844 | -112.9064 | -2-15 | 0-11815C | 26260 | -0.05 | 281 | 31580 | 37 | -44 | 4.9 | 42 | 2.7 | 3 | 0.9 | 11280 | 6.7 | 9190 | 18 | 0.3 | | | | |
| 30-44.4528 | -112.9167 | -2-12 | 0-118160 | 61250 | -0.10 | 899 | 50470 | 113 | -104 | 27.0 | 182 | 5.3 | 4 | 2.4 | 40340 | 9.2 | 18080 | 59 | 0.3 | | | | |
| 30-44.4529 | -112.9122 | -2-12 | 0-118161 | 62200 | -0.08 | 1042 | 54030 | 82 | -98 | 19.6 | 140 | 3.2 | -1 | 2.1 | 31650 | 6.0 | 17440 | 44 | 0.3 | | | | |
| 30-44.4375 | -112.9056 | -2-12 | 0-118162 | 27280 | -0.05 | 428 | 3534 | 55 | 107 | 10.1 | 19 | 3.0 | 6 | 2.0 | 11430 | 15.6 | 9194 | 23 | 0.5 | | | | |
| 30-44.4889 | -112.8183 | -2-15 | 0-118163 | 23490 | -0.07 | 495 | 30340 | 74 | -65 | 5.4 | 57 | 3.5 | 5 | 1.3 | 17710 | 17.2 | 11790 | 31 | 0.4 | | | | |
| 30-44.4875 | -112.8164 | -2-15 | 0-118164 | 60860 | -0.09 | 887 | 41370 | 96 | -79 | 24.9 | 189 | 5.7 | 5 | 2.7 | 44980 | 8.1 | 16630 | 52 | 0.4 | | | | |
| 30-44.6197 | -112.6414 | -2-12 | 0-118165 | 51610 | -0.09 | 606 | 23170 | 105 | 218 | 16.6 | 88 | 4.0 | 6 | 1.8 | 42150 | 15.2 | 15670 | 51 | 0.6 | | | | |
| 30-44.6153 | -112.6558 | -2-11 | 0-118166 | 60120 | -0.07 | 739 | 54650 | 81 | -100 | 19.4 | 149 | 6.2 | 5 | 2.1 | 35380 | 8.4 | 16680 | 43 | 0.4 | | | | |
| 30-44.5960 | -112.6511 | -2-15 | 0-118167 | 56350 | -0.07 | 827 | 66600 | 103 | -91 | 16.5 | 173 | 3.0 | 4 | 2.1 | 29710 | 10.2 | 17600 | 48 | 0.4 | | | | |
| 30-44.5875 | -112.6706 | -2-15 | 0-118168 | 49120 | -0.08 | 796 | 88800 | 90 | -79 | 23.0 | 179 | 4.2 | 4 | 2.1 | 34310 | 7.3 | 15570 | 49 | 0.3 | | | | |
| 30-44.5744 | -112.6786 | -2-12 | 0-118169 | 44610 | -0.06 | 562 | 101200 | 64 | 79 | 6.6 | 28 | 12.4 | 5 | 1.4 | 20580 | 6.6 | 13430 | 30 | 0.4 | | | | |
| 30-44.5750 | -112.6772 | -2-12 | 0-118170 | 39090 | -0.05 | 539 | 4468 | 66 | -91 | 6.1 | 24 | 5.6 | 6 | 1.6 | 15190 | 19.0 | 14030 | 30 | 0.5 | | | | |
| 30-44.5667 | -112.6619 | -2-11 | 0-118171 | 58100 | -0.10 | 532 | 32560 | 110 | -114 | 21.4 | 247 | -2.0 | 5 | 1.9 | 71700 | 22.6 | 15890 | 46 | 0.7 | | | | |
| 30-44.5556 | -112.6609 | -2-15 | 0-118172 | 62150 | -0.07 | 759 | 36070 | 103 | 377 | 10.1 | 33 | 5.1 | 7 | 2.1 | 26080 | 9.9 | 30420 | 51 | 0.7 | | | | |
| 30-44.5747 | -112.7022 | -2-12 | 0-118173 | 60310 | -0.07 | 823 | 66160 | 81 | -84 | 17.7 | 140 | 5.0 | 4 | 2.0 | 33530 | 8.0 | 16280 | 45 | 0.4 | | | | |
| 30-44.5831 | -112.7269 | -2-99 | 0-118174 | 24590 | -0.05 | 462 | 95910 | 53 | -74 | 4.9 | 40 | 6.2 | 4 | 1.2 | 14850 | 10.0 | 12740 | 33 | 0.3 | | | | |
| 30-44.6106 | -112.7222 | -2-11 | 0-118175 | 64120 | -0.08 | 556 | 13460 | 101 | -84 | 14.9 | 97 | 6.0 | 6 | 1.9 | 35970 | 11.1 | 23580 | 41 | 0.5 | | | | |
| 30-44.5525 | -112.7167 | -2-15 | 0-118176 | 54250 | -0.09 | 418 | 34660 | 77 | 153 | 25.0 | 221 | 7.1 | 4 | 1.8 | 46310 | 12.5 | 15900 | 39 | 0.5 | | | | |
| 30-44.5253 | -112.7347 | -2-15 | 0-118177 | 42460 | -0.05 | 409 | 37680 | 44 | -61 | 8.1 | 36 | 3.4 | 3 | 1.2 | 16860 | 8.1 | 17340 | 23 | 0.3 | | | | |
| 30-44.5314 | -112.7019 | -2-12 | 0-118178 | 61180 | -0.07 | 723 | 15600 | 99 | -106 | 19.7 | 199 | 5.0 | 10 | 2.4 | 44990 | 18.6 | 18820 | 44 | 0.8 | | | | |
| 30-44.8883 | -112.6164 | -2-12 | 0-118179 | 23370 | -0.08 | 559 | 120700 | 58 | -71 | 7.2 | 37 | 16.1 | 3 | 1.2 | 16320 | 8.6 | 11770 | 39 | 0.4 | | | | |
| 30-44.8905 | -112.5754 | -2-15 | 0-118180 | 39900 | -0.06 | 540 | 101100 | 64 | -65 | 7.0 | 32 | 10.2 | 4 | 1.3 | 17630 | 7.1 | 13860 | 31 | 0.4 | | | | |
| 30-44.8833 | -112.5639 | -2-15 | 0-118181 | 35530 | -0.05 | 458 | 61650 | 43 | 80 | 4.8 | 31 | 4.9 | 3 | 1.0 | 11300 | 7.1 | 14120 | 20 | 0.3 | | | | |
| 30-44.8872 | -112.5286 | -2-15 | 0-118182 | 35650 | -0.06 | 428 | 53690 | 56 | -65 | 4.5 | 32 | 6.0 | 4 | 1.3 | 12020 | 11.6 | 12090 | 28 | 0.3 | | | | |
| 30-44.8897 | -112.5306 | -2-15 | 0-118183 | 27110 | -0.07 | 417 | 73380 | 64 | -61 | 7.1 | 42 | 9.1 | 4 | 1.4 | 19360 | 12.9 | 11970 | 35 | 0.4 | | | | |
| 30-44.8056 | -112.5219 | -2-15 | 0-118184 | 38610 | -0.06 | 486 | 73430 | 51 | -61 | 5.7 | 44 | 7.3 | 4 | 1.1 | 15180 | 10.2 | 10450 | 35 | 0.4 | | | | |
| 30-44.8864 | -112.5078 | -2-15 | 0-118185 | 29830 | -0.05 | 480 | 82770 | 51 | 100 | 5.2 | 46 | 6.3 | 4 | 0.9 | 16390 | 10.8 | 11260 | 28 | 0.3 | | | | |
| 30-44.8856 | -112.5367 | -2-15 | 0-118186 | 56870 | -0.06 | 902 | 66010 | 94 | -81 | 23.9 | 164 | 5.8 | 4 | 2.5 | 43950 | 9.9 | 18900 | 49 | 0.4 | | | | |
| 30-44.8886 | -112.5650 | -2-12 | 0-118187 | 27310 | -0.03 | 415 | 59370 | 64 | -48 | 4.5 | 38 | 3.1 | 4 | 1.3 | 12250 | 17.9 | 9628 | 29 | 0.3 | | | | |
| 30-44.8981 | -112.5542 | -2-15 | 0-118189 | 46230 | -0.04 | 527 | 53610 | 57 | -70 | 7.7 | 36 | 6.3 | 5 | 1.4 | 19800 | 9.9 | 16200 | 27 | 0.4 | | | | |
| 30-44.9361 | -112.6228 | -2-15 | 0-118189 | 44390 | -0.04 | 665 | 54570 | 71 | -72 | 7.3 | 50 | 4.5 | 6 | 1.4 | 17090 | 11.5 | 15350 | 26 | 0.5 | | | | |
| 30-44.9317 | -112.6160 | -2-15 | 0-118190 | 55580 | -0.05 | 556 | 40710 | 74 | -63 | 11.2 | 48 | 9.3 | 5 | 1.7 | 29210 | 9.2 | 19280 | 34 | 0.5 | | | | |
| 30-44.9369 | -112.5997 | -2-15 | 0-118191 | 45120 | -0.04 | 590 | 26640 | 72 | -78 | 7.9 | 44 | 5.1 | 5 | 1.7 | 19600 | 11.7 | 13710 | 31 | 0.4 | | | | |
| 30-44.9586 | -112.5975 | -2-15 | 0-118192 | 40850 | -0.04 | 563 | 93230 | 57 | -74 | 6.2 | 30 | 10.6 | 5 | 1.3 | 19040 | 5.7 | 13090 | 28 | 0.3 | | | | |
| 30-44.8761 | -112.6289 | -2-15 | 0-118193 | 29130 | -0.04 | 524 | 88010 | 59 | -62 | 4.2 | 28 | 5.0 | 5 | 1.2 | 14600 | 6.2 | 14450 | 27 | 0.4 | | | | |
| 30-44.8922 | -112.6494 | -2-15 | 0-118194 | 42650 | -0.05 | 487 | 103400 | 70 | -67 | 6.5 | 21 | 14.9 | 6 | 1.6 | 24280 | 8.8 | 12860 | 36 | 0.4 | | | | |
| 30-44.9086 | -112.6586 | -2-15 | 0-118195 | 45180 | -0.04 | 530 | 84470 | 73 | -75 | 6.1 | 26 | 12.7 | 5 | 1.4 | 20160 | 6.7 | 15170 | 31 | 0.5 | | | | |
| 30-44.9074 | -112.6578 | -2-12 | 0-118196 | 29100 | -0.03 | 416 | 62640 | 44 | -54 | 5.0 | 34 | 3.1 | 3 | 1.2 | 11250 | 6.3 | 10800 | 25 | 0.2 | | | | |
| 30-44.9107 | -112.6783 | -2-15 | 0-118197 | 44610 | -0.04 | 521 | 97900 | 70 | -67 | 5.8 | 24 | 11.5 | 5 | 1.3 | 18360 | 7.7 | 14580 | 26 | 0.4 | | | | |
| 30-44.9336 | -112.6958 | -2-12 | 0-118198 | 35830 | -0.04 | 447 | 77950 | 68 | -51 | 4.6 | 35 | 2.8 | 3 | 1.4 | 13410 | 7.8 | 14790 | 33 | 0.3 | | | | |
| 30-44.9528 | -112.6858 | -2-15 | 0-118199 | 37720 | -0.04 | 497 | 68420 | 53 | -68 | 6.2 | 36 | 7.3 | 3 | 1.3 | 16880 | 11.1 | 10140 | 27 | 0.4 | | | | |
| 30-44.9947 | -112.6528 | -2-15 | 0-118201 | 50600 | -0.07 | 516 | 51450 | 56 | -64 | 7.9 | 32 | 7.4 | 5 | 1.4 | 22180 | 8.3 | 16870 | 30 | 0.3 | | | | |
| 30-44.9056 | -112.1028 | -2-15 | 0-118202 | 37650 | -0.06 | 225 | 65740 | 51 | -60 | 8.4 | 59 | 5.1 | 4 | 1.1 | 19980 | 6.7 | 9512 | 21 | 0.3 | | | | |
| 30-44.9036 | -112.1044 | -2-15 | 0-118203 | 46140 | -0.07 | 456 | 56770 | 54 | -74 | 7.1 | 41 | 6.9 | 5 | 1.3 | 19340 | 7.3 | 14460 | 30 | 0.3 | | | | |
| 30-44.9820 | -112.1092 | -2-15 | 0-118204 | 50010 | -0.08 | 495 | 56330 | 59 | -70 | 8.1 | 33 | 6.7 | 5 | 1.4 | 20890 | 8.8 | 15440 | 32 | 0.4 | | | | |
| 30-44.9675 | -112.1181 | -2-15 | 0-118205 | 52640 | -0.07 | 520 | 48770 | 54 | -69 | 8.4 | 31 | 6.4 | 5 | 1.3 | 21920 | 6.5 | 18060 | 29 | 0.4 | | | | |
| 30-44.9572 | -112.1164 | -2-12 | 0-118206 | 51400 | -0.07 | 648 | 43970 | 50 | -76 | 7.8 | 36 | 6.4 | 4 | 1.5 | 22300 | 6.2 | 18840 | 32 | 0.4 | | | | |
| 30-44.9356 | -112.1033 | -2-15 | 0-118207 | 46630 | -0.07 | 503 | 53550 | 59 | -78 | 7.8 | 36 | 7.2 | 5 | 1.4 | 19840 | 8.2 | 14150 | 30 | 0.3 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | U/Th RATIO | | |
|-------------------|-----------|-----------|----------|-------------|----------|---|---|-------|-----|----|------|------|------|----|----|------|------|-----|---------------|-----|-------|
| STATE | LATITUDE | LONGITUDE | DOE UID | SAMPLE TYPE | REF/CATE | U.S. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | | V | Yb |
| 30-44.4058 | -112.9235 | -2-12 | 0-119156 | | | 18950 | 757 | 14380 | 65 | -2 | 11.7 | 6.5 | -243 | 2 | -1 | 11.2 | 3864 | 71 | 3.7 | 97 | 0.259 |
| 30-44.4703 | -112.9631 | -2-12 | 0-119157 | | | 9573 | 416 | 3827 | -20 | -1 | 6.7 | 4.5 | -146 | -1 | -1 | 8.2 | 2135 | 56 | 3.4 | 113 | 0.561 |
| 30-44.4617 | -112.9425 | -2-15 | 0-119158 | | | 18280 | 791 | 12750 | 69 | -2 | 9.1 | 5.4 | -243 | -1 | -1 | 8.8 | 3388 | 79 | 3.2 | 140 | 0.318 |
| 30-44.4844 | -112.9064 | -2-15 | 0-119159 | | | 8222 | 321 | 3528 | 40 | -1 | 4.0 | 3.6 | -142 | -1 | -1 | 5.4 | 1371 | 35 | 1.9 | 76 | 0.426 |
| 30-44.4528 | -112.9167 | -2-12 | 0-119160 | | | 18870 | 1026 | 14030 | 90 | -2 | 13.1 | 7.7 | -302 | 2 | -1 | 13.2 | 3786 | 84 | 3.9 | 148 | 0.227 |
| 30-44.4528 | -112.9122 | -2-12 | 0-119161 | | | 19120 | 925 | 14270 | -26 | -2 | 9.9 | 5.7 | -239 | -1 | -1 | 10.1 | 3967 | 85 | 2.7 | 143 | 0.297 |
| 30-44.4375 | -112.9056 | -2-12 | 0-119162 | | | 2312 | 657 | 4649 | 32 | -1 | 4.6 | 6.0 | -195 | -1 | -1 | 8.5 | 1650 | 27 | 3.7 | 48 | 0.365 |
| 30-44.4899 | -112.8183 | -2-15 | 0-119163 | | | 7263 | 358 | 5321 | 48 | -2 | 5.0 | 5.6 | -187 | -1 | -1 | 10.8 | 3172 | 49 | 3.3 | 79 | 0.269 |
| 30-44.4875 | -112.8164 | -2-15 | 0-119164 | | | 20500 | 608 | 13020 | -31 | -2 | 14.6 | 8.2 | -216 | -1 | -1 | 13.7 | 4440 | 92 | 3.4 | 130 | 0.234 |
| 30-44.6197 | -112.6414 | -2-12 | 0-119165 | | | 11690 | 983 | 11240 | -32 | -2 | 15.0 | 7.5 | -251 | -1 | -1 | 17.1 | 3969 | 101 | 3.0 | 172 | 0.199 |
| 30-44.6153 | -112.6558 | -2-11 | 0-119166 | | | 15570 | 749 | 12340 | -27 | -2 | 11.1 | 6.6 | 452 | -1 | -1 | 11.7 | 4146 | 90 | 2.0 | 129 | 0.265 |
| 30-44.5969 | -112.6511 | -2-15 | 0-119167 | | | 17420 | 717 | 14550 | -25 | -2 | 10.2 | 6.0 | -253 | -1 | -1 | 11.0 | 4704 | 85 | 5.0 | 94 | 0.282 |
| 30-44.5975 | -112.6708 | -2-15 | 0-119168 | | | 21110 | 657 | 9764 | 60 | -2 | 11.8 | 6.8 | 465 | -1 | -1 | 11.6 | 3362 | 90 | 3.1 | 128 | 0.233 |
| 30-44.5744 | -112.6786 | -2-12 | 0-119169 | | | 7173 | 506 | 5525 | 56 | -1 | 6.4 | 4.7 | -163 | -1 | -1 | 9.3 | 2521 | 43 | 4.0 | 52 | 0.226 |
| 30-44.5750 | -112.6772 | -2-12 | 0-119170 | | | -1560 | 988 | 9737 | 52 | -1 | 4.5 | 5.7 | -250 | -1 | -1 | 8.9 | 1744 | 26 | 3.9 | 52 | 0.416 |
| 30-44.5667 | -112.6619 | -2-11 | 0-119171 | | | 17140 | 1371 | 17770 | -32 | -2 | 18.6 | 8.1 | -333 | -1 | -1 | 17.8 | 6110 | 181 | 5.3 | -37 | 0.309 |
| 30-44.5556 | -112.6469 | -2-15 | 0-119172 | | | 4069 | 538 | 15210 | 132 | -2 | 8.9 | 10.9 | -218 | -1 | -1 | 17.1 | 2507 | 31 | 6.2 | 83 | 0.228 |
| 30-44.5747 | -112.7072 | -2-12 | 0-119173 | | | 19180 | 721 | 12500 | -26 | -2 | 10.5 | -0.6 | -196 | -1 | -1 | 12.7 | 4206 | 89 | 3.1 | 120 | 0.252 |
| 30-44.5831 | -112.7369 | -2-90 | 0-119174 | | | 4515 | 508 | 8878 | 44 | -1 | 4.8 | 5.0 | -180 | -1 | -1 | 9.7 | 2123 | 37 | 2.9 | 96 | 0.227 |
| 30-44.6196 | -112.7222 | -2-11 | 0-119175 | | | 8947 | 951 | 12110 | 111 | -2 | 10.7 | 7.4 | -260 | -1 | -1 | 14.8 | 2786 | 80 | 4.9 | 104 | 0.216 |
| 30-44.5535 | -112.7167 | -2-15 | 0-119176 | | | 21070 | 1089 | 10310 | 96 | -2 | 15.1 | 6.3 | -272 | -1 | -1 | 12.1 | 3208 | 89 | 3.8 | 142 | 0.223 |
| 30-44.5253 | -112.7347 | -2-15 | 0-119177 | | | 14880 | 527 | 6959 | -18 | -1 | 6.2 | 3.7 | -156 | -1 | -1 | 6.2 | 2822 | 53 | 2.2 | -43 | 0.355 |
| 30-44.5214 | -112.7019 | -2-12 | 0-119178 | | | 10450 | 1014 | 15310 | 77 | -2 | 14.4 | 9.2 | -249 | 2 | 1 | 14.8 | 6437 | 101 | 7.2 | 101 | 0.223 |
| 30-44.8883 | -112.6164 | -2-12 | 0-119179 | | | 5506 | 342 | 4866 | 42 | -2 | 5.4 | 4.5 | -205 | -1 | -1 | 8.4 | 1847 | 33 | 3.0 | 145 | 0.262 |
| 30-44.8909 | -112.5794 | -2-15 | 0-119180 | | | 5159 | 616 | 4891 | 71 | -1 | 5.8 | 4.6 | -210 | -1 | -1 | 8.9 | 2190 | 35 | 4.1 | 60 | 0.225 |
| 30-44.8833 | -112.5639 | -2-15 | 0-119181 | | | 6266 | 323 | 5145 | 25 | -1 | 4.0 | 3.2 | -136 | -1 | -1 | 7.2 | 1864 | 36 | -1.0 | 78 | 0.347 |
| 30-44.8872 | -112.5286 | -2-15 | 0-119182 | | | 7193 | 290 | 4547 | 35 | -1 | 4.4 | 4.9 | -149 | -1 | -1 | 7.5 | 1849 | 35 | 2.9 | 132 | 0.373 |
| 30-44.8897 | -112.5306 | -2-15 | 0-119183 | | | 6590 | 448 | 4722 | 70 | -2 | 6.3 | 5.6 | 231 | -1 | -1 | 10.0 | 1978 | 41 | 3.2 | 112 | 0.270 |
| 30-44.8956 | -112.5219 | -2-15 | 0-119184 | | | 6275 | 440 | 4537 | -21 | -1 | 5.3 | 4.0 | -195 | -1 | -1 | 8.2 | 2648 | 45 | 3.1 | 85 | 0.317 |
| 30-44.8864 | -112.5078 | -2-15 | 0-119185 | | | 6761 | 432 | 4756 | 60 | -1 | 5.6 | 4.0 | -157 | -1 | -1 | 8.4 | 2335 | 45 | 2.8 | 118 | 0.321 |
| 30-44.8856 | -112.5267 | -2-15 | 0-119186 | | | 16650 | 782 | 11290 | -30 | 2 | 13.2 | 7.1 | 403 | -1 | -1 | 14.8 | 4560 | 84 | 3.5 | 145 | 0.216 |
| 30-44.8886 | -112.5650 | -2-12 | 0-119187 | | | 10370 | 735 | 767 | 45 | -1 | 4.0 | 4.2 | -191 | -1 | -1 | 7.8 | 1757 | 47 | 2.9 | 97 | 0.436 |
| 30-44.8981 | -112.5542 | -2-15 | 0-119188 | | | 6828 | 648 | 4985 | 70 | -1 | 6.7 | 4.7 | -203 | -1 | -1 | 8.9 | 2406 | 50 | 2.6 | 98 | 0.303 |
| 30-44.9361 | -112.6228 | -2-15 | 0-119189 | | | 6203 | 775 | 6230 | 58 | -1 | 6.3 | 5.3 | -255 | -1 | -1 | 9.7 | 2259 | 44 | 3.7 | 78 | 0.278 |
| 30-44.9317 | -112.6169 | -2-15 | 0-119190 | | | 8508 | 750 | 4856 | 78 | -2 | 9.8 | 5.6 | -234 | -1 | -1 | 10.5 | 2890 | 52 | 3.7 | 83 | 0.257 |
| 30-44.9369 | -112.5997 | -2-15 | 0-119191 | | | 4961 | 856 | 6560 | 67 | -1 | 6.9 | 5.6 | -233 | -1 | -1 | 10.8 | 2326 | 42 | 3.4 | 65 | 0.241 |
| 30-44.9586 | -112.5975 | -2-15 | 0-119192 | | | 6598 | 475 | 5305 | 48 | -1 | 6.0 | 5.4 | -183 | -1 | -1 | 9.5 | 2219 | 34 | 3.4 | 76 | 0.221 |
| 30-44.8761 | -112.6289 | -2-15 | 0-119193 | | | 5541 | 420 | 5765 | 51 | -1 | 4.9 | 5.0 | -180 | -1 | -1 | 9.4 | 1808 | 38 | 3.4 | 86 | 0.223 |
| 30-44.8922 | -112.6494 | -2-15 | 0-119194 | | | 6349 | 532 | 5085 | 56 | -1 | 7.4 | 6.0 | -209 | -1 | -1 | 11.3 | 2521 | 44 | 4.0 | 82 | 0.186 |
| 30-44.9086 | -112.6586 | -2-15 | 0-119195 | | | 5911 | 504 | 5699 | 51 | -1 | 6.5 | 5.4 | -187 | -1 | -1 | 9.5 | 2530 | 35 | 3.4 | 77 | 0.232 |
| 30-44.9094 | -112.6575 | -2-12 | 0-119196 | | | 9628 | 748 | 852 | 36 | -1 | 4.0 | 3.9 | -195 | -1 | -1 | 7.7 | 1546 | 43 | 2.5 | 59 | 0.364 |
| 30-44.9197 | -112.6783 | -2-15 | 0-119197 | | | 6385 | 446 | 5322 | -20 | -1 | 5.8 | 5.5 | -205 | -1 | -1 | 8.8 | 2203 | 41 | 3.6 | -19 | 0.239 |
| 30-44.9336 | -112.6958 | -2-12 | 0-119198 | | | 11620 | 842 | 912 | 60 | -1 | 4.8 | 5.3 | -225 | -1 | -1 | 9.7 | 1825 | 49 | 3.0 | 41 | 0.268 |
| 30-44.9528 | -112.6858 | -2-15 | 0-119199 | | | 5909 | 422 | 4525 | 40 | -1 | 5.4 | 4.1 | -175 | -1 | -1 | 7.3 | 2878 | 42 | 2.9 | 62 | 0.370 |
| 30-44.9947 | -112.0528 | -2-15 | 0-119201 | | | 7268 | 709 | 5017 | 58 | -2 | 7.3 | 5.3 | -227 | -1 | -1 | 8.9 | 2713 | 48 | 3.4 | 97 | 0.303 |
| 30-44.9956 | -112.1028 | -2-15 | 0-119202 | | | 6065 | 511 | 2250 | 51 | -1 | 7.2 | 5.3 | -178 | -1 | -1 | 7.8 | 2344 | 58 | 3.5 | 115 | 0.487 |
| 30-44.9936 | -112.1044 | -2-15 | 0-119203 | | | 6466 | 637 | 5091 | 77 | -2 | 6.6 | 4.8 | -211 | -1 | -1 | 8.8 | 2637 | 45 | 3.1 | 107 | 0.295 |
| 30-44.9839 | -112.1092 | -2-15 | 0-119204 | | | 6524 | 695 | 5061 | -24 | -2 | 7.1 | 5.9 | -245 | -1 | -1 | 10.6 | 2967 | 45 | 3.9 | 101 | 0.255 |
| 30-44.9675 | -112.1161 | -2-15 | 0-119205 | | | 7011 | 727 | 5144 | 71 | -2 | 7.3 | 5.0 | -240 | -1 | -1 | 8.8 | 2108 | 50 | 3.1 | 77 | 0.295 |
| 30-44.9572 | -112.1164 | -2-12 | 0-119206 | | | 6750 | 726 | 5089 | 61 | -2 | 7.6 | 6.2 | -234 | -1 | -1 | 9.8 | 2093 | 49 | 3.8 | 69 | 0.276 |
| 30-44.9356 | -112.1033 | -2-15 | 0-119207 | | | 6960 | 648 | 4790 | 74 | 2 | 6.8 | 5.0 | -214 | -1 | -1 | 9.4 | 2654 | 44 | 2.3 | 93 | 0.287 |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | | |
|---------------------------|----------|-----------|---------|-------------|-----------|---|---|-----|-----|-----|----|----|------|-----|----|----|----|----|--|------------------------------|--|
| STATE | LATITUDE | LONGITUDE | LAB LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sr | W | As | Se | Zr | Be | Li | |
| 30-44.9272-112.0664-2-15- | 0-118208 | -5 | -5 | -5 | 14 | -20 | -15 | 10 | -10 | -15 | 9 | -5 | 204 | 2 | 16 | | | | | | |
| 30-44.9061-112.0644-2-12- | 0-118209 | -5 | 6 | -5 | 24 | -20 | 15 | -5 | -10 | -15 | 20 | -5 | 165 | 2 | 26 | | | | | | |
| 30-44.9022-112.0142-2-15- | 0-118210 | -5 | -5 | -5 | -10 | -20 | -15 | 9 | -10 | -15 | 9 | -5 | 281 | 1 | 12 | | | | | | |
| 30-44.9033-112.0172-2-12- | 0-118211 | -5 | 9 | -5 | 19 | 33 | -15 | 11 | -10 | -15 | 11 | -5 | 314 | 2 | 19 | | | | | | |
| 30-44.8778-112.0631-2-15- | 0-118212 | -5 | 5 | -5 | 12 | -20 | -15 | 9 | -10 | -15 | 8 | -5 | 357 | 1 | 14 | | | | | | |
| 30-44.8764-112.0078-2-12- | 0-118213 | -5 | -5 | -5 | 22 | -20 | -15 | 9 | -10 | -15 | 6 | -5 | 265 | 2 | 16 | | | | | | |
| 30-44.8758-112.0683-2-15- | 0-118214 | -5 | -5 | -5 | 10 | -20 | -15 | 10 | -10 | -15 | 12 | -5 | 150 | -1 | 21 | | | | | | |
| 30-44.8622-112.0156-2-15- | 0-118215 | -5 | 6 | -5 | 15 | -20 | -15 | 11 | -10 | -15 | 7 | -5 | 195 | 2 | 20 | | | | | | |
| 30-44.8706-112.0403-2-15- | 0-118216 | -5 | 5 | -5 | 10 | -20 | -15 | 11 | -10 | -15 | 8 | -5 | 247 | 1 | 20 | | | | | | |
| 30-44.8328-112.0272-2-15- | 0-118217 | -5 | 7 | -5 | 17 | -20 | -15 | 8 | -10 | -15 | 10 | -5 | 312 | 2 | 17 | | | | | | |
| 30-44.8150-112.0330-2-15- | 0-118218 | -5 | 5 | -5 | 21 | -20 | 25 | 6 | -10 | -15 | 18 | -5 | 188 | -1 | 25 | | | | | | |
| 30-44.8047-112.0153-2-15- | 0-118219 | -5 | -5 | -5 | 16 | -20 | -15 | 11 | -10 | -15 | 7 | -5 | 160 | 2 | 23 | | | | | | |
| 30-44.7619-112.0461-2-15- | 0-118220 | -5 | 5 | -5 | 11 | -20 | 17 | 6 | -10 | -15 | 17 | -5 | 151 | 1 | 29 | | | | | | |
| 30-44.7619-112.0203-2-15- | 0-118221 | -5 | -5 | -5 | 15 | -20 | -15 | -5 | -10 | -15 | 13 | -5 | 128 | 1 | 17 | | | | | | |
| 30-44.7539-112.0669-2-15- | 0-118222 | -5 | -5 | -5 | 11 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 297 | 1 | 15 | | | | | | |
| 30-44.7547-112.0067-2-15- | 0-118223 | -5 | 6 | -5 | 15 | -20 | -15 | 11 | -10 | -15 | -5 | -5 | 253 | 1 | 17 | | | | | | |
| 30-44.9286-112.2111-2-12- | 0-118224 | -5 | 6 | -5 | 20 | -20 | 25 | 10 | -10 | -15 | 9 | -5 | 348 | 2 | 16 | | | | | | |
| 30-44.9953-112.2244-2-15- | 0-118225 | -5 | 6 | -5 | 31 | -20 | 42 | 11 | -10 | -15 | 11 | -5 | 596 | 2 | 30 | | | | | | |
| 30-44.9950-112.2250-2-15- | 0-118226 | -5 | 8 | -5 | 20 | -20 | 43 | 17 | -10 | -15 | 6 | -5 | 705 | 2 | 28 | | | | | | |
| 30-44.9717-112.1889-2-15- | 0-118227 | -5 | 10 | -5 | 22 | -20 | 61 | 12 | -10 | -15 | 11 | -5 | 471 | 3 | 25 | | | | | | |
| 30-44.9883-112.1506-2-12- | 0-118228 | -5 | -5 | -5 | 24 | -20 | 38 | 13 | -10 | -15 | 20 | 12 | -5 | 454 | 4 | 30 | | | | | |
| 30-44.9556-112.1531-2-15- | 0-118229 | -5 | 10 | -5 | 31 | -20 | 40 | 17 | -10 | -15 | 7 | -5 | 434 | 3 | 28 | | | | | | |
| 30-44.9419-112.1611-2-15- | 0-118230 | -5 | -5 | -5 | 18 | -20 | 50 | 11 | 11 | -15 | 13 | -5 | 519 | 4 | 30 | | | | | | |
| 30-44.9425-112.1625-2-15- | 0-118231 | -5 | -5 | -5 | 36 | -20 | 19 | 18 | -10 | -15 | 5 | -5 | 556 | 4 | 39 | | | | | | |
| 30-44.9344-112.1764-2-11- | 0-118232 | -5 | 12 | -5 | 27 | -20 | 54 | 14 | -10 | -15 | 9 | -5 | 462 | 4 | 31 | | | | | | |
| 30-44.9939-112.1458-2-15- | 0-118233 | -5 | -5 | -5 | 31 | -20 | 62 | 8 | -10 | -15 | 12 | -5 | 642 | 3 | 28 | | | | | | |
| 30-44.8883-112.1439-2-15- | 0-118234 | -5 | -5 | -5 | 32 | -20 | 103 | -5 | -10 | -15 | 13 | -5 | 537 | 2 | 31 | | | | | | |
| 30-44.8147-112.9356-2-12- | 0-118235 | -5 | 9 | -5 | 26 | -20 | 17 | 11 | -10 | -15 | 17 | -5 | 679 | 2 | 25 | | | | | | |
| 30-44.6060-112.9947-2-15- | 0-118236 | -5 | 5 | -5 | 16 | -20 | -15 | -5 | -10 | -15 | 16 | -5 | 474 | 2 | 23 | | | | | | |
| 30-44.5917-112.6833-2-12- | 0-118237 | -5 | 15 | -5 | 11 | -20 | 29 | 21 | -10 | -15 | 16 | -5 | 1676 | 1 | 22 | | | | | | |
| 30-44.5867-112.9467-2-15- | 0-118238 | -5 | 6 | -5 | 30 | -20 | 20 | 24 | -10 | -15 | 29 | -5 | 392 | 2 | 25 | | | | | | |
| 30-44.5375-112.9650-2-12- | 0-118240 | -5 | 7 | -5 | 15 | -20 | 21 | 7 | -10 | -15 | 17 | 8 | -5 | 632 | 1 | 23 | | | | | |
| 30-44.5089-112.9569-2-12- | 0-118241 | -5 | 8 | -5 | -10 | -20 | 17 | 10 | -10 | -15 | 6 | -5 | 613 | 1 | 24 | | | | | | |
| 30-44.5361-112.9042-2-12- | 0-118242 | -5 | -5 | -5 | 57 | -20 | 29 | -5 | -10 | -15 | 18 | -5 | 360 | -1 | 19 | | | | | | |
| 30-44.5533-112.9106-2-12- | 0-118243 | -5 | -5 | -5 | 17 | -20 | -15 | 18 | -10 | -15 | 22 | -5 | 192 | 1 | 14 | | | | | | |
| 30-44.5514-112.8931-2-15- | 0-118244 | -5 | 11 | -5 | 24 | -20 | 24 | 17 | -10 | -15 | 16 | 26 | -5 | 360 | 2 | 28 | | | | | |
| 30-44.5717-112.9097-2-15- | 0-118245 | -5 | 10 | -5 | 19 | -20 | 27 | 21 | -10 | -15 | 20 | 17 | -5 | 359 | 3 | 30 | | | | | |
| 30-44.6139-112.9486-2-11- | 0-118246 | -5 | -5 | -5 | 26 | -20 | 22 | 15 | -10 | -15 | 8 | -5 | 406 | 2 | 32 | | | | | | |
| 30-44.5847-112.8844-2-15- | 0-118247 | -5 | 6 | -5 | 68 | -20 | 44 | 246 | -10 | -15 | 32 | 7 | -5 | 463 | 3 | 42 | | | | | |
| 30-44.5764-112.8847-2-12- | 0-118248 | -5 | -5 | -5 | 35 | -20 | -15 | 10 | -10 | -15 | 9 | -5 | 377 | 2 | 26 | | | | | | |
| 30-44.5861-112.8853-2-15- | 0-118249 | -5 | -5 | -5 | 14 | -20 | -15 | 11 | -10 | -15 | 16 | -5 | 226 | 2 | 23 | | | | | | |
| 30-44.6014-112.9064-2-15- | 0-118250 | -5 | 7 | -5 | 15 | 29 | 22 | 18 | -10 | -15 | 26 | -5 | 240 | 2 | 32 | | | | | | |
| 30-44.6050-112.9097-2-15- | 0-118251 | -5 | 6 | -5 | -10 | 25 | 20 | 13 | -10 | -15 | 12 | -5 | 356 | 2 | 33 | | | | | | |
| 30-44.6133-112.9264-2-15- | 0-118252 | -5 | 8 | -5 | 19 | -20 | -15 | 12 | -10 | -15 | 14 | -5 | 503 | 1 | 21 | | | | | | |
| 30-44.6278-112.9556-2-11- | 0-118253 | -5 | -5 | -5 | 21 | 28 | -15 | 17 | -10 | -15 | 11 | -5 | 373 | 2 | 26 | | | | | | |
| 30-44.6389-112.9400-2-15- | 0-118254 | -5 | 7 | 6 | 42 | -20 | 17 | 208 | -10 | -15 | 14 | -5 | 412 | 3 | 33 | | | | | | |
| 30-44.6306-112.9728-2-12- | 0-118255 | -5 | 6 | -5 | 43 | -20 | 23 | 21 | -10 | -15 | 13 | -5 | 247 | 2 | 27 | | | | | | |
| 30-44.6314-112.9725-2-12- | 0-118256 | -5 | 6 | -5 | 31 | 24 | -15 | 21 | 11 | -15 | 14 | -5 | 226 | 2 | 22 | | | | | | |
| 30-44.6722-112.9819-2-15- | 0-118257 | -5 | 9 | -5 | 15 | -20 | -15 | 11 | -10 | -15 | 16 | -5 | 385 | 2 | 25 | | | | | | |
| 30-44.6919-112.9922-2-15- | 0-118258 | -5 | -5 | -5 | 20 | -20 | 25 | 9 | -10 | -15 | 17 | -5 | 263 | 2 | 27 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-----------|--|---|------|--------|-----|------|------|-----|------|----|-----|-------|------|-------|-----|-----|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu |
| 30-44.9272 | -112.0664 | -2-15- | 0-118209 | | | 44330 | -0.08 | 496 | 58280 | 69 | -72 | 8.0 | 35 | 7.3 | 5 | 1.4 | 20820 | 8.1 | 18310 | 24 | 0.4 | |
| 30-44.9061 | -112.0064 | -2-12- | 0-118210 | | | 44340 | -0.07 | 572 | 47200 | 58 | -77 | 6.3 | 28 | 12.6 | 6 | 1.3 | 18680 | 6.2 | 14350 | 32 | 0.4 | |
| 30-44.9022 | -112.0142 | -2-15- | 0-118211 | | | 38510 | -0.07 | 723 | 50510 | 62 | -70 | 5.1 | 38 | 3.9 | 4 | 1.5 | 14170 | 11.4 | 14150 | 26 | 0.5 | |
| 30-44.9033 | -112.0172 | -2-12- | 0-118211 | | | 47550 | -0.07 | 627 | 52510 | 66 | -74 | 7.8 | 41 | 4.5 | 5 | 1.5 | 19450 | 13.1 | 13990 | 30 | 0.4 | |
| 30-44.8778 | -112.0631 | -2-15- | 0-118212 | | | 43890 | -0.06 | 536 | 34780 | 65 | -74 | 7.2 | 44 | 5.0 | 4 | 1.8 | 19160 | 14.5 | 13000 | 31 | 0.4 | |
| 30-44.8764 | -112.0078 | -2-12- | 0-118212 | | | 40640 | -0.06 | 559 | 37300 | 47 | -77 | 6.1 | 35 | 3.6 | 4 | 1.4 | 14710 | 10.9 | 17860 | 27 | 0.4 | |
| 30-44.8758 | -112.0083 | -2-15- | 0-118214 | | | 42490 | -0.08 | 493 | 99450 | 61 | -72 | 6.6 | 25 | 11.0 | 5 | 1.4 | 15920 | 6.5 | 15150 | 30 | 0.4 | |
| 30-44.8622 | -112.0156 | -2-15- | 0-118215 | | | 53940 | -0.07 | 702 | 33040 | 64 | -64 | 6.4 | 30 | 5.5 | 4 | 1.4 | 17880 | 7.7 | 18510 | 36 | 0.3 | |
| 30-44.8706 | -112.0403 | -2-15- | 0-118216 | | | 38370 | -0.07 | 541 | 51550 | 60 | -73 | 7.3 | 44 | 5.5 | 4 | 1.5 | 16320 | 9.9 | 14430 | 26 | 0.4 | |
| 30-44.8328 | -112.0272 | -2-15- | 0-118217 | | | 40890 | -0.07 | 535 | 35880 | 64 | -71 | 8.6 | 37 | 5.6 | 5 | 1.5 | 20560 | 11.4 | 18990 | 32 | 0.4 | |
| 30-44.8150 | -112.0329 | -2-15- | 0-118218 | | | 27310 | -0.07 | 244 | 82950 | 52 | -62 | 9.1 | 73 | 4.6 | 3 | 1.3 | 19890 | 7.4 | 8539 | 28 | 0.3 | |
| 30-44.8706 | -112.0153 | -2-15- | 0-118219 | | | 41930 | -0.07 | 496 | 93750 | 57 | -76 | 5.6 | 28 | 12.6 | 5 | 1.4 | 17480 | 6.7 | 13000 | 30 | 0.4 | |
| 30-44.7619 | -112.0461 | -2-15- | 0-118220 | | | 27220 | -0.07 | 177 | 94560 | 53 | -58 | 7.3 | 69 | 4.6 | 4 | 1.0 | 17860 | 5.8 | 8032 | 31 | 0.3 | |
| 30-44.7619 | -112.0203 | -2-15- | 0-118221 | | | 35120 | -0.06 | 518 | 83020 | 58 | -60 | 5.4 | 24 | 8.5 | 4 | 1.2 | 14500 | 5.0 | 12740 | 26 | 0.3 | |
| 30-44.7539 | -112.0069 | -2-15- | 0-118222 | | | 29650 | -0.06 | 638 | 45100 | 67 | -76 | 5.3 | 35 | 3.8 | 4 | 1.5 | 14450 | 12.4 | 17130 | 33 | 0.4 | |
| 30-44.7547 | -112.0067 | -2-15- | 0-118222 | | | 27710 | -0.06 | 611 | 43790 | 55 | -79 | 5.2 | 35 | 2.6 | 5 | 1.4 | 13080 | 10.0 | 15880 | 29 | 0.4 | |
| 30-44.9386 | -112.2111 | -2-12- | 0-118224 | | | 41180 | -0.07 | 506 | 44790 | 70 | -106 | 11.2 | 60 | 3.2 | 6 | 1.5 | 28640 | 14.5 | 14460 | 39 | 0.5 | |
| 30-44.9952 | -112.2244 | -2-15- | 0-118225 | | | 60800 | -0.09 | 608 | 25870 | 144 | -111 | 23.2 | 116 | 4.2 | 15 | 3.1 | 50040 | 26.4 | 16910 | 59 | 1.4 | |
| 30-44.9950 | -112.2250 | -2-15- | 0-118226 | | | 57700 | -0.09 | 496 | 27830 | 144 | -100 | 24.3 | 140 | 4.3 | 17 | 3.1 | 53180 | 30.8 | 15730 | 70 | 1.4 | |
| 30-44.9717 | -112.1889 | -2-15- | 0-118227 | | | 62860 | -0.10 | 551 | 26390 | 159 | -104 | 21.0 | 122 | 4.0 | 13 | 2.8 | 46140 | 22.4 | 18730 | 72 | 1.3 | |
| 30-44.9983 | -112.1506 | -2-12- | 0-118228 | | | 63840 | -0.09 | 576 | 26110 | 123 | -99 | 22.2 | 119 | 4.4 | 14 | 2.8 | 45620 | 19.2 | 19900 | 58 | 1.3 | |
| 30-44.9556 | -112.1531 | -2-15- | 0-118229 | | | 59200 | -0.08 | 431 | 24620 | 137 | -112 | 22.9 | 111 | 4.8 | 14 | 3.0 | 45900 | 21.3 | 19440 | 67 | 1.3 | |
| 30-44.9419 | -112.1611 | -2-15- | 0-118230 | | | 63040 | -0.09 | 523 | 27610 | 120 | -116 | 21.1 | 115 | 4.5 | 15 | 2.7 | 45000 | 21.1 | 19660 | 62 | 1.2 | |
| 30-44.9425 | -112.1625 | -2-15- | 0-118231 | | | 63590 | -0.11 | 505 | 26970 | 158 | -105 | 21.2 | 125 | 3.6 | 15 | 3.0 | 45940 | 24.7 | 17530 | 64 | 1.4 | |
| 30-44.9344 | -112.1764 | -2-11- | 0-118232 | | | 61910 | -0.09 | 502 | 24620 | 140 | -112 | 23.6 | 129 | 5.4 | 15 | 2.9 | 46460 | 20.7 | 17480 | 73 | 1.2 | |
| 30-44.8930 | -112.1458 | -2-15- | 0-118233 | | | 42750 | -0.08 | 362 | 21440 | 323 | -102 | 15.4 | 153 | 3.2 | 11 | 3.4 | 75150 | 50.4 | 8240 | 155 | 1.3 | |
| 30-44.8982 | -112.1439 | -2-15- | 0-118234 | | | 58880 | -0.09 | 580 | 26590 | 139 | -136 | 22.2 | 119 | 4.8 | 15 | 2.7 | 47990 | 26.3 | 17120 | 66 | 1.2 | |
| 30-44.8147 | -112.0356 | -2-12- | 0-118235 | | | 58300 | -0.13 | 155 | 47610 | 152 | -106 | 39.5 | 270 | 4.3 | 10 | 2.3 | 75310 | 24.8 | 12210 | 67 | 1.6 | |
| 30-44.6069 | -112.0947 | -2-15- | 0-118236 | | | 56640 | -0.07 | 801 | 12550 | 103 | -121 | 10.3 | 75 | 6.8 | 8 | 2.3 | 28680 | 29.4 | 21420 | 53 | 0.7 | |
| 30-44.5917 | -112.0833 | -2-12- | 0-118237 | | | 37040 | -0.06 | 477 | 5815 | 46 | -131 | 3.3 | 60 | 4.1 | 4 | 1.1 | 12930 | 22.8 | 16880 | 26 | 0.4 | |
| 30-44.5867 | -112.0467 | -2-15- | 0-118238 | | | 52730 | -0.08 | 755 | 13520 | 133 | -153 | 11.8 | 106 | 6.0 | 11 | 3.2 | 34570 | 68.5 | 21130 | 72 | 1.1 | |
| 30-44.5625 | -112.0389 | -2-15- | 0-118238 | | | 61780 | -0.11 | 358 | 27140 | 131 | -164 | 17.2 | 73 | 7.0 | 8 | 2.9 | 36030 | 17.0 | 22720 | 50 | 0.8 | |
| 30-44.5375 | -112.0650 | -2-12- | 0-118240 | | | 39820 | -0.07 | 469 | 6127 | 55 | -116 | 4.9 | 63 | 4.4 | 5 | 1.4 | 15270 | 27.7 | 20620 | 25 | 0.6 | |
| 30-44.5089 | -112.0569 | -2-12- | 0-118241 | | | 27150 | -0.06 | 467 | 4321 | 48 | -142 | 4.7 | 63 | 4.2 | 5 | 1.5 | 13660 | 28.8 | 16250 | 24 | 0.5 | |
| 30-44.5361 | -112.0042 | -2-12- | 0-118242 | | | 42650 | -0.06 | 214 | 36940 | 91 | -167 | 25.3 | 106 | 2.5 | 5 | 2.1 | 70060 | 14.9 | 6591 | 38 | 0.6 | |
| 30-44.5533 | -112.0106 | -2-12- | 0-118243 | | | 32110 | -0.05 | 347 | 124500 | 62 | -217 | 10.4 | 69 | 5.5 | 3 | 1.2 | 22620 | 9.2 | 15760 | 27 | 0.3 | |
| 30-44.5514 | -112.0921 | -2-15- | 0-118244 | | | 60820 | -0.05 | 838 | 24900 | 120 | -152 | 15.6 | 36 | 7.7 | 8 | 2.5 | 33340 | 17.2 | 21870 | 46 | 0.7 | |
| 30-44.5717 | -112.0097 | -2-15- | 0-118245 | | | 60800 | -0.05 | 1199 | 16580 | 112 | -251 | 14.0 | 70 | 6.8 | 9 | 2.8 | 30480 | 13.9 | 21480 | 50 | 0.6 | |
| 30-44.6139 | -112.0486 | -2-11- | 0-118246 | | | 64430 | -0.05 | 966 | 10660 | 93 | -87 | 11.8 | 50 | 4.7 | 6 | 1.9 | 29630 | 17.3 | 23680 | 36 | 0.6 | |
| 30-44.5847 | -112.0944 | -2-15- | 0-118247 | | | 65850 | -0.06 | 720 | 12750 | 203 | -272 | 30.7 | 80 | 6.5 | 13 | 4.1 | 77980 | 21.4 | 26930 | 99 | 1.3 | |
| 30-44.5764 | -112.0847 | -2-12- | 0-118248 | | | 61620 | -0.05 | 858 | 3851 | 85 | -91 | 12.0 | 55 | 5.4 | 6 | 2.0 | 30520 | 16.3 | 23480 | 34 | 0.5 | |
| 30-44.5861 | -112.0853 | -2-15- | 0-118248 | | | 54230 | -0.04 | 730 | 12560 | 64 | -118 | 8.4 | 72 | 5.0 | 5 | 1.7 | 24230 | 9.1 | 18600 | 35 | 0.4 | |
| 30-44.6014 | -112.0064 | -2-15- | 0-118250 | | | 57720 | -0.05 | 685 | 79610 | 85 | -78 | 11.6 | 72 | 4.9 | 5 | 1.7 | 29130 | 10.1 | 18940 | 34 | 0.5 | |
| 30-44.6050 | -112.0097 | -2-15- | 0-118251 | | | 70310 | -0.07 | 1169 | 17480 | 134 | -246 | 17.1 | 115 | 10.3 | 9 | 3.1 | 39120 | 17.8 | 22780 | 66 | 0.9 | |
| 30-44.6133 | -112.0264 | -2-15- | 0-118252 | | | 53410 | -0.04 | 861 | 11650 | 119 | -155 | 9.4 | 63 | 5.7 | 7 | 2.2 | 25220 | 22.4 | 23310 | 49 | 0.6 | |
| 30-44.6278 | -112.0056 | -2-11- | 0-118253 | | | 58390 | -0.04 | 803 | 9495 | 64 | -91 | 10.4 | 58 | 5.3 | 5 | 1.8 | 25640 | 13.4 | 19950 | 32 | 0.4 | |
| 30-44.6389 | -112.0400 | -2-15- | 0-118254 | | | 64620 | -0.07 | 794 | 12690 | 196 | -363 | 23.5 | 71 | 4.8 | 12 | 3.6 | 62010 | 20.6 | 25930 | 76 | 1.1 | |
| 30-44.6306 | -112.0728 | -2-12- | 0-118255 | | | 60920 | -0.07 | 1173 | 32110 | 122 | -195 | 19.0 | 92 | 6.7 | 8 | 2.9 | 46620 | 12.3 | 26910 | 61 | 0.7 | |
| 30-44.6314 | -112.0725 | -2-12- | 0-118255 | | | 65520 | -0.06 | 897 | 33220 | 105 | -271 | 17.3 | 78 | 5.9 | 8 | 2.4 | 38090 | 11.3 | 19710 | 48 | 0.5 | |
| 30-44.6722 | -112.0810 | -2-15- | 0-118257 | | | 67720 | -0.05 | 1059 | 17790 | 109 | -215 | 14.9 | 86 | 7.5 | 9 | 2.9 | 31860 | 16.4 | 23840 | 51 | 0.8 | |
| 30-44.6819 | -112.0922 | -2-15- | 0-118258 | | | 63020 | -0.05 | 849 | 12460 | 83 | -79 | 9.7 | 68 | 6.1 | 6 | 1.9 | 26260 | 10.5 | 19450 | 33 | 0.4 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | U/Th RATIO | |
|---------------------------|----------|-----------|---------|-------------|-----------|---|---|------|------|----|----|------|------|-----|------|------|-------|----|---------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | | V |
| 30-44.9272-112.0864-2-15- | 0-119208 | 7222 | 675 | 5070 | 79 | -2 | 7.1 | 5.5 | -245 | -1 | -1 | 9.5 | 2712 | 47 | 3.5 | 114 | 0.284 | | | |
| 30-44.9041-112.0064-2-12- | 0-119209 | 6534 | 497 | 4964 | 63 | -2 | 6.3 | 5.4 | -197 | -1 | -1 | 9.7 | 2242 | 40 | 3.1 | 120 | 0.216 | | | |
| 30-44.9022-112.0142-2-15- | 0-119210 | 4596 | 700 | 6661 | 41 | -1 | 5.1 | 6.0 | -228 | -1 | -1 | 9.6 | 2130 | 35 | 3.3 | 38 | 0.260 | | | |
| 30-44.9033-112.0172-2-12- | 0-119211 | 5723 | 775 | 6227 | 56 | -2 | 7.0 | 5.5 | -253 | -1 | -1 | 9.9 | 3366 | 51 | 3.4 | 62 | 0.283 | | | |
| 30-44.8778-112.0031-2-15- | 0-119212 | 5085 | 708 | 6230 | 51 | -1 | 6.6 | 7.1 | -219 | -1 | -1 | 10.7 | 2867 | 40 | 3.4 | 75 | 0.262 | | | |
| 30-44.8764-112.0078-2-12- | 0-119213 | 4663 | 663 | 6816 | 50 | -1 | 5.0 | 4.5 | -208 | -1 | -1 | 8.3 | 1982 | 36 | 3.9 | 56 | 0.301 | | | |
| 30-44.8759-112.0083-2-15- | 0-119214 | 5728 | 482 | 5662 | -24 | -2 | 5.5 | 5.6 | -220 | -1 | -1 | 9.0 | 2110 | 39 | 4.1 | -75 | 0.223 | | | |
| 30-44.8622-112.0166-2-15- | 0-119215 | 5622 | 514 | 5977 | 92 | -2 | 5.9 | 4.5 | -202 | -1 | -1 | 11.5 | 2538 | 63 | -1.1 | -84 | 0.322 | | | |
| 30-44.8706-112.0403-2-15- | 0-119216 | 9447 | 702 | 5985 | 49 | -2 | 5.5 | 5.8 | -243 | -1 | -1 | 8.6 | 2223 | 37 | 4.1 | -72 | 0.291 | | | |
| 30-44.8328-112.0272-2-15- | 0-119217 | 6082 | 752 | 6353 | -22 | -2 | 7.2 | 5.8 | -239 | -1 | -1 | 10.6 | 2745 | 49 | 4.8 | -105 | 0.255 | | | |
| 30-44.8150-112.0335-2-15- | 0-119218 | 7183 | 493 | 2355 | 49 | -2 | 7.2 | 5.8 | -193 | -1 | -1 | 7.3 | 2217 | 59 | -1.3 | 106 | 0.534 | | | |
| 30-44.8047-112.0153-2-15- | 0-119219 | 6741 | 463 | 5164 | -21 | -2 | 5.9 | 5.0 | -189 | -1 | -1 | 9.5 | 2286 | 39 | 3.0 | 61 | 0.221 | | | |
| 30-44.7619-112.0441-2-15- | 0-119220 | 7217 | 461 | 2136 | -23 | -2 | 6.4 | 4.2 | -199 | -1 | -1 | 7.2 | 2418 | 60 | 3.5 | 138 | 0.514 | | | |
| 30-44.7610-112.0203-2-15- | 0-119221 | 5230 | 398 | 5540 | 44 | -1 | 4.6 | 4.6 | -174 | -1 | -1 | 8.9 | 1785 | 31 | 4.1 | 82 | 0.213 | | | |
| 30-44.7539-112.0069-2-15- | 0-119222 | 4507 | 693 | 6222 | 48 | -1 | 5.4 | 6.6 | -219 | -1 | -1 | 9.7 | 1653 | 40 | 3.7 | 51 | 0.268 | | | |
| 30-44.7547-112.0067-2-15- | 0-119223 | 4554 | 693 | 6895 | 47 | -1 | 4.7 | 4.3 | -206 | -1 | -1 | 8.9 | 2451 | 33 | 2.6 | 45 | 0.281 | | | |
| 30-44.9386-112.2111-2-12- | 0-119224 | 6892 | 514 | 5267 | 56 | -2 | 6.8 | 6.2 | -205 | -1 | -1 | 12.4 | 3749 | 84 | 3.6 | 97 | 0.242 | | | |
| 30-44.9953-112.2244-2-15- | 0-119225 | 10800 | 983 | 17740 | 80 | -2 | 17.2 | 17.9 | -264 | 4 | 2 | 23.8 | 7814 | 108 | 11.6 | 102 | 0.185 | | | |
| 30-44.9950-112.2270-2-15- | 0-119226 | 11850 | 1537 | 17330 | 72 | -2 | 17.8 | 15.3 | -260 | 4 | 2 | 26.2 | 8153 | 122 | 12.9 | 82 | 0.198 | | | |
| 30-44.9717-112.1889-2-15- | 0-119227 | 11460 | 939 | 17880 | 71 | -2 | 15.4 | 14.7 | -287 | 4 | 2 | 25.1 | 7008 | 111 | 11.0 | 190 | 0.163 | | | |
| 30-44.9883-112.1506-2-12- | 0-119228 | 12730 | 945 | 18910 | 98 | -2 | 16.2 | 13.2 | -268 | 3 | 2 | 23.0 | 7278 | 115 | 10.7 | 69 | 0.165 | | | |
| 30-44.9556-112.1531-2-15- | 0-119229 | 12410 | 951 | 17990 | 112 | -2 | 15.1 | 15.4 | -264 | 4 | 2 | 21.0 | 7104 | 116 | 10.9 | 104 | 0.190 | | | |
| 30-44.9410-112.1611-2-15- | 0-119230 | 12700 | 946 | 18750 | 101 | -2 | 15.0 | 13.0 | -257 | 3 | 2 | 21.2 | 7249 | 105 | 10.5 | 101 | 0.188 | | | |
| 30-44.9425-112.1625-2-15- | 0-119231 | 11920 | 983 | 18300 | -30 | -2 | 16.2 | 14.6 | -289 | 2 | 2 | 24.9 | 7738 | 114 | 10.6 | -38 | 0.181 | | | |
| 30-44.9364-112.1764-2-11- | 0-119232 | 11030 | 923 | 17630 | -30 | -2 | 16.4 | 13.2 | -271 | 3 | 2 | 24.6 | 6345 | 110 | 10.5 | 125 | 0.159 | | | |
| 30-44.8930-112.1458-2-15- | 0-119233 | 7196 | 1580 | 10550 | -28 | -2 | 16.6 | 27.2 | -268 | 4 | 2 | 56.4 | 8948 | 127 | 10.1 | 70 | 0.151 | | | |
| 30-44.8883-112.1439-2-15- | 0-119234 | 11280 | 669 | 16900 | 81 | -2 | 15.8 | 13.0 | -252 | 4 | 2 | 22.8 | 7006 | 99 | 10.4 | 162 | 0.211 | | | |
| 30-44.8147-112.9356-2-12- | 0-119235 | 26040 | 1593 | 12450 | -41 | -3 | 32.1 | 14.1 | -279 | -1 | -2 | 26.7 | 7694 | 150 | 10.5 | -49 | 0.210 | | | |
| 30-44.6059-112.9947-2-15- | 0-119236 | 6225 | 641 | 10420 | 66 | -2 | 8.8 | 8.1 | -213 | -1 | 1 | 22.7 | 5394 | 68 | 6.3 | 109 | 0.260 | | | |
| 30-44.5917-112.9823-2-12- | 0-119237 | 3867 | 116 | 5347 | 61 | -1 | 4.8 | 4.8 | -121 | -1 | -1 | 8.4 | 2493 | 43 | 3.5 | 52 | 0.607 | | | |
| 30-44.5867-112.9647-2-15- | 0-119238 | 6969 | 762 | 10370 | 68 | -2 | 8.9 | 11.1 | -222 | 3 | 2 | 27.9 | 7425 | 72 | 8.2 | 66 | 0.369 | | | |
| 30-44.5625-112.9389-2-15- | 0-119239 | 10010 | 666 | 9329 | 106 | -2 | 11.0 | 10.4 | -286 | -1 | -1 | 18.6 | 3457 | 72 | 5.7 | 97 | 0.409 | | | |
| 30-44.5375-112.9650-2-12- | 0-119240 | 4529 | 138 | 5850 | 62 | -2 | 5.0 | 4.2 | -136 | -1 | -1 | 9.8 | 3062 | 47 | 3.9 | 66 | 0.500 | | | |
| 30-44.5089-112.9569-2-12- | 0-119241 | 4763 | 131 | 5666 | 69 | -1 | 4.7 | 5.7 | -125 | -1 | -1 | 8.5 | 3043 | 43 | 3.5 | 51 | 0.588 | | | |
| 30-44.5261-112.9042-2-12- | 0-119242 | 14980 | 3260 | 7546 | -29 | -1 | 20.0 | 8.4 | -447 | -1 | -1 | 15.2 | 5265 | 107 | 5.4 | -35 | 0.263 | | | |
| 30-44.5523-112.9106-2-12- | 0-119243 | 46850 | 619 | 5437 | -23 | 3 | 7.6 | 4.6 | -228 | -1 | -1 | 9.9 | 1744 | 47 | 2.2 | 73 | 0.222 | | | |
| 30-44.5514-112.8931-2-15- | 0-119244 | 9582 | 718 | 10190 | 80 | -1 | 10.5 | 8.6 | 486 | 3 | -1 | 18.7 | 3651 | 65 | 5.5 | 108 | 0.374 | | | |
| 30-44.5717-112.9097-2-15- | 0-119245 | 8193 | 482 | 11990 | 73 | -1 | 12.4 | 9.0 | -200 | -1 | -1 | 21.0 | 4302 | 74 | 5.5 | 116 | 0.586 | | | |
| 30-44.6139-112.9488-2-11- | 0-119246 | 6208 | 734 | 11640 | 82 | -1 | 8.2 | 6.8 | -264 | -1 | -1 | 15.0 | 4470 | 68 | 3.8 | 87 | 0.287 | | | |
| 30-44.5847-112.8944-2-15- | 0-119247 | 14500 | 313 | 9433 | 149 | -2 | 21.8 | 18.2 | -285 | -2 | -2 | 37.7 | 6644 | 119 | 12.5 | 479 | 0.164 | | | |
| 30-44.5764-112.8847-2-12- | 0-119248 | 5824 | 458 | 10790 | 79 | -1 | 8.6 | 5.8 | 477 | -1 | -1 | 13.0 | 4855 | 62 | 3.7 | -44 | 0.331 | | | |
| 30-44.5861-112.8853-2-15- | 0-119249 | 6899 | 409 | 9786 | 78 | -1 | 8.2 | 5.8 | -180 | -1 | -1 | 10.5 | 2883 | 68 | 3.6 | 111 | 0.343 | | | |
| 30-44.6014-112.9064-2-15- | 0-119250 | 11310 | 533 | 7827 | 82 | -1 | 8.9 | 6.9 | -228 | -1 | -1 | 13.0 | 3322 | 79 | 4.1 | 143 | 0.285 | | | |
| 30-44.6050-112.9097-2-15- | 0-119251 | 3231 | 514 | 12290 | 93 | 2 | 14.9 | 11.0 | -219 | -1 | -1 | 25.8 | 4755 | 81 | 7.2 | 114 | 0.488 | | | |
| 30-44.6133-112.9244-2-15- | 0-119252 | 5854 | 520 | 10720 | 72 | -1 | 8.4 | 7.7 | -187 | -1 | -1 | 18.9 | 4450 | 61 | 5.8 | 42 | 0.280 | | | |
| 30-44.6278-112.9056-2-11- | 0-119253 | 5389 | 599 | 10790 | 80 | -1 | 7.5 | 5.8 | -212 | -1 | -1 | 12.9 | 3785 | 61 | 3.8 | 66 | 0.318 | | | |
| 30-44.6389-112.9400-2-15- | 0-119254 | 12760 | 43 | 9421 | 85 | -2 | 16.8 | 16.7 | -294 | -2 | -1 | 29.6 | 5975 | 112 | 10.0 | 284 | 0.213 | | | |
| 30-44.6306-112.9728-2-12- | 0-119255 | 11010 | 975 | 12180 | 89 | -2 | 14.6 | 9.8 | 702 | -2 | -1 | 19.9 | 3914 | 77 | 5.4 | 197 | 0.176 | | | |
| 30-44.6214-112.9725-2-12- | 0-119256 | 10310 | 747 | 11510 | -29 | -1 | 11.5 | 7.4 | -259 | -2 | -1 | 15.6 | 4023 | 79 | 4.8 | 177 | 0.231 | | | |
| 30-44.6722-112.9819-2-15- | 0-119257 | 3689 | 504 | 12150 | 126 | -1 | 12.3 | 10.6 | -207 | -1 | -1 | 20.3 | 4578 | 72 | 6.0 | 99 | 0.616 | | | |
| 30-44.6819-112.9922-2-15- | 0-119258 | 5987 | 515 | 10630 | 61 | -1 | 8.7 | 6.3 | -225 | -1 | -1 | 13.5 | 3205 | 75 | 3.7 | -105 | 0.363 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|--|-----------------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|------------------------|-----------------------|-----------|------------|---------------|----------------|-----------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|--------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SOUNDLOMETER (eU/ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER ROW | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-44 | .7236 | -112.8547 | -2-11- | 0-119259 | -09/21/76 | -18 | 10 | 5.0 | - | - | - | 5.2 | 45 | - | 4-4 | -4-6 | -3-3 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | |
| 30-44 | .7277 | -112.8567 | -2-11- | 0-119260 | -09/21/76 | -18 | 10 | 5.0 | - | - | - | - | - | - | 4-2 | -7-4 | -6- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | |
| 30-44 | .7125 | -112.8153 | -2-09- | 0-119261 | -09/21/76 | -18 | 9 | 5.0 | - | - | - | - | - | - | 2-2 | -7-4 | -6- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | |
| 30-44 | .6910 | -112.8222 | -2-11- | 0-119262 | -09/21/76 | -19 | 10 | 5.0 | - | - | - | - | 80 | - | 9-2 | -6-4 | -6- | -3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | |
| 30-44 | .9727 | -112.2634 | -2-15- | 0-119263 | -09/22/76 | -10 | 8 | 5.0 | - | - | - | - | - | - | 18-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 30-44 | .9514 | -112.3019 | -2-15- | 0-119264 | -09/22/76 | -10 | 8 | 5.0 | - | - | - | - | - | - | 23-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44 | .9496 | -112.3153 | -2-15- | 0-119265 | -09/22/76 | -10 | 8 | 5.0 | - | - | - | - | - | - | 18-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | |
| 30-44 | .9157 | -112.8175 | -2-15- | 0-119266 | -09/20/76 | -8 | 12 | 5.0 | - | - | - | - | - | - | 6-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44 | .9025 | -112.8033 | -2-15- | 0-119267 | -09/20/76 | -8 | 13 | 5.0 | - | - | - | - | - | - | 4-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | |
| 30-44 | .9042 | -112.7832 | -2-11- | 0-119269 | -09/20/76 | -6 | 16 | 9.5 | - | - | - | - | 330 | - | 4-4 | -5-8 | -3- | -3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | |
| 30-44 | .9244 | -112.8114 | -2-15- | 0-119269 | -09/20/76 | -10 | 16 | 5.0 | - | - | - | - | - | - | 4-4 | -3-4 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | |
| 30-44 | .9575 | -112.7722 | -2-11- | 0-119270 | -09/20/76 | -10 | 16 | 5.0 | - | - | - | - | 240 | - | 4-4 | -4-4 | -3- | -3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | |
| 30-44 | .9694 | -112.8128 | -2-12- | 0-119271 | -09/20/76 | -11 | 17 | 11.0 | - | - | - | - | 320 | - | 4-4 | -4-6 | -2- | -7- | -3- | -2- | -4- | -3- | -4- | -1- | - | - | - | - | - | - | - | - | 3.20 | | |
| 30-44 | .9042 | -112.8253 | -2-15- | 0-119272 | -09/20/76 | -11 | 17 | 5.0 | - | - | - | - | - | - | 6-4 | -3-9 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | |
| 30-44 | .9419 | -112.8706 | -2-15- | 0-119273 | -09/20/76 | -12 | 18 | 5.0 | - | - | - | - | - | - | 2-4 | -3-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | |
| 30-44 | .9154 | -112.8486 | -2-15- | 0-119274 | -09/20/76 | -13 | 18 | 5.0 | - | - | - | - | - | - | 4-4 | -3-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | |
| 30-44 | .8954 | -112.8417 | -2-15- | 0-119275 | -09/20/76 | -13 | 17 | 5.0 | - | - | - | - | - | - | 4-1 | -1-2 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | |
| 30-44 | .7997 | -112.7722 | -2-15- | 0-119276 | -09/21/76 | -10 | 11 | 5.0 | - | - | - | - | - | - | 6-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 30-44 | .7725 | -112.8114 | -2-15- | 0-119277 | -09/21/76 | -10 | 11 | 5.0 | - | - | - | - | - | - | 6-4 | -3-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.70 | | |
| 30-44 | .7703 | -112.7735 | -2-15- | 0-119278 | -09/21/76 | -10 | 12 | 5.0 | - | - | - | - | - | - | 8-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | |
| 30-44 | .7542 | -112.7100 | -2-12- | 0-119279 | -09/21/76 | -11 | 12 | 11.5 | - | - | - | 5.9 | 470 | - | 6-4 | -4-6 | -3- | -3- | -2- | -2- | -3- | -1- | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 30-44 | .7511 | -112.7050 | -2-12- | 0-119280 | -09/21/76 | -11 | 12 | 11.5 | - | - | - | 5.7 | 450 | - | 4-4 | -4-6 | -3- | -4- | -3- | -2- | -3- | -4- | -1- | - | - | - | - | - | - | - | - | - | 2.60 | | |
| 30-44 | .7596 | -112.7459 | -2-12- | 0-119281 | -09/21/76 | -12 | 16 | 11.5 | - | - | - | 5.7 | 480 | - | 8-4 | -4-6 | -4- | -3- | -2- | -2- | -4- | -1- | - | - | - | - | - | - | - | - | - | - | 2.60 | | |
| 30-44 | .7090 | -112.6508 | -2-12- | 0-119282 | -09/21/76 | -12 | 16 | 12.5 | - | - | - | 5.9 | 340 | - | 4-4 | -4-6 | -3- | -2- | -1- | -2- | -3- | -2- | -2- | - | - | - | - | - | - | - | - | - | 3.80 | | |
| 30-44 | .7869 | -112.6767 | -2-12- | 0-119283 | -09/21/76 | -12 | 16 | 10.6 | - | - | - | 6.0 | 330 | - | 4-4 | -4-6 | -2- | -2- | -1- | -2- | -3- | -3- | -4- | -2- | - | - | - | - | - | - | - | - | 2.50 | | |
| 30-44 | .7892 | -112.6567 | -2-15- | 0-119284 | -09/21/76 | -12 | 17 | 5.0 | - | - | - | - | - | - | 4-1 | -4-6 | -6- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | | |
| 30-44 | .7761 | -112.6514 | -2-11- | 0-119285 | -09/21/76 | -13 | 20 | 5.0 | - | - | - | - | - | - | 4-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | | |
| 30-44 | .7542 | -112.6344 | -2-15- | 0-119286 | -09/21/76 | -13 | 21 | 5.0 | - | - | - | - | - | - | 4-1 | -4-3 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.80 | | |
| 30-44 | .8256 | -112.6706 | -2-15- | 0-119287 | -09/21/76 | -14 | 21 | 5.0 | - | - | - | - | - | - | 8-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | |
| 30-44 | .8325 | -112.6547 | -2-11- | 0-119289 | -09/21/76 | -14 | 20 | 10.5 | - | - | - | 5.0 | 700 | - | 4-4 | -6-8 | -2- | -2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | |
| 30-44 | .8106 | -112.7244 | -2-15- | 0-119290 | -09/21/76 | -16 | 20 | 5.0 | - | - | - | - | - | - | 6-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | |
| 30-44 | .8056 | -112.4172 | -2-12- | 0-119290 | -09/20/76 | -12 | 20 | 13.5 | - | - | - | 5.7 | 330 | - | 6-4 | -6-6 | -2- | -3- | -2- | -3- | -2- | -1- | - | - | - | - | - | - | - | - | - | - | 3.50 | | |
| 30-44 | .9011 | -112.3802 | -2-12- | 0-119291 | -09/30/76 | -13 | 21 | 15.0 | - | - | - | 5.9 | 350 | - | 4-4 | -4-6 | -2- | -2- | -1- | -2- | -4- | -3- | -2- | -1- | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44 | .9417 | -112.3978 | -2-15- | 0-119292 | -09/30/76 | -10 | 17 | 5.0 | - | - | - | - | - | - | 4-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | |
| 30-44 | .9136 | -112.3908 | -2-11- | 0-119292 | -09/30/76 | -11 | 18 | 11.0 | - | - | - | 6.0 | 360 | - | 4-4 | -5-6 | -2- | -3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | |
| 30-44 | .8096 | -112.4136 | -2-12- | 0-119294 | -09/30/76 | -11 | 18 | 9.5 | - | - | - | 5.7 | 360 | - | 10-2 | -7-3 | -6- | -4- | -2- | -1- | -2- | -1- | -3- | -5- | -1- | - | - | - | - | - | - | - | 2.80 | | |
| 30-44 | .9000 | -112.4100 | -2-12- | 0-119295 | -09/30/76 | -10 | 18 | 9.5 | - | - | - | 6.0 | 360 | - | 12-2 | -7-3 | -6- | -4- | -2- | -1- | -2- | -1- | -3- | -5- | -1- | - | - | - | - | - | - | - | 3.10 | | |
| 30-44 | .8097 | -112.4031 | -2-12- | 0-119296 | -09/30/76 | -10 | 18 | 9.0 | - | - | - | 5.7 | 350 | - | 12-2 | -7-3 | -6- | -4- | -2- | -1- | -2- | -1- | -3- | -5- | -1- | - | - | - | - | - | - | - | 3.20 | | |
| 30-44 | .9491 | -112.3792 | -2-15- | 0-119297 | -09/30/76 | -11 | 18 | 5.0 | - | - | - | - | - | - | 10-4 | -3-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.10 | | |
| 30-44 | .9844 | -112.3922 | -2-12- | 0-119298 | -09/30/76 | -12 | 18 | 12.0 | - | - | - | 5.7 | 280 | - | 10-4 | -5-6 | -3- | -2- | -1- | -2- | -4- | -3- | -2- | -1- | - | - | - | - | - | - | - | - | 2.80 | | |
| 30-44 | .8383 | -112.7311 | -2-12- | 0-119299 | -09/22/76 | -10 | 14 | 11.5 | - | - | - | 6.0 | 490 | - | 2-4 | -5-6 | -2- | -3- | -1- | -2- | -4- | -4- | -3- | -3- | - | - | - | - | - | - | - | - | 2.60 | | |
| 30-44 | .8580 | -112.7033 | -2-11- | 0-119300 | -09/22/76 | -10 | 15 | 11.5 | - | - | - | 5.9 | 470 | - | 4-4 | -5-8 | -3- | -3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | |
| 30-44 | .8372 | -112.7706 | -2-12- | 0-119301 | -09/27/76 | -13 | 21 | 11.5 | - | - | - | 6.0 | 500 | - | 4-4 | -4-6 | -2- | -3- | -1- | -2- | -4- | -4- | -1- | - | - | - | - | - | - | - | - | - | 3.30 | | |
| 30-44 | .8475 | -112.7564 | -2-15- | 0-119302 | -09/27/76 | -13 | 21 | 5.0 | - | - | - | - | - | - | 6-4 | -4-6 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | |
| 30-44 | .8610 | -112.7778 | -2-15- | 0-119303 | -09/27/76 | -13 | 21 | 5.0 | - | - | - | - | - | - | 4-4 | -3-7 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 30-44 | .8504 | -112.7314 | -2-12- | 0-119304 | -09/27/76 | -14 | 21 | 11.5 | - | - | - | 6.0 | 500 | - | 6-4 | -4-6 | -3- | -3- | -1- | -2- | -4- | -4- | -1- | - | - | - | - | - | - | - | - | - | 5.30 | | |
| 30-44 | .9056 | -112.8750 | -2-15- | 0-119305 | -09/27/75 | -15 | 21 | 5.0 | - | - | - | - | - | - | 6-4 | -3-7 | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.30 | | |
| 30-44 | .8578 | -112.2247 | -2-15- | 0-119306 | -10/05/75 | -10 | 4 | 5.0 | - | - | - | - | - | - | 12-2 | -6-4 | -6- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | |
| 30-44 | .9325 | -112.9461 | -2-15- | 0-119307 | -09/28/76 | -17 | 21 | 5.0 | - | - | - | - | - | - | 6-1 | -7-4 | -6- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44 | .9250 | -112.9200 | -2-15- | 0-119308 | -09/28/76 | -15 | 23 | 5.0 | - | - | - | - | - | - | 6-1 | -1-3 | -6- | - | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | | |
|-------------------|-----------|-----------|----------|-------------|-----------|---|---|-----|-----|-----|-----|-----|----|----|------|----|----|--|------------------------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li |
| 30-44.7236 | -112.9847 | -2-11- | 0-119259 | -5 | -5 | -5 | 46 | -20 | 16 | 24 | -10 | 16 | 11 | -5 | 251 | 2 | 34 | | | |
| 30-44.7272 | -112.9867 | -2-15- | 0-119260 | -5 | -5 | -5 | 18 | -20 | -15 | 13 | -10 | -15 | 17 | -5 | 305 | 2 | 17 | | | |
| 30-44.7125 | -112.9153 | -2-99- | 0-119261 | -5 | 9 | -5 | 30 | -20 | 20 | 22 | -10 | 17 | 27 | -5 | 220 | 2 | 33 | | | |
| 30-44.6819 | -112.9222 | -2-11- | 0-119262 | -5 | -5 | -5 | 16 | -20 | -15 | 26 | -10 | -15 | 11 | -5 | 403 | 2 | 26 | | | |
| 30-44.9722 | -113.2694 | -2-15- | 0-119263 | -5 | -5 | -5 | 30 | -20 | -15 | 18 | -10 | -15 | 12 | -5 | 267 | | | | | |
| 30-44.9514 | -113.3069 | -2-15- | 0-119264 | -5 | 6 | -5 | 17 | -20 | -15 | 11 | -10 | -15 | 13 | -5 | 184 | 2 | 21 | | | |
| 30-44.9486 | -113.3152 | -2-15- | 0-119265 | -5 | 6 | -5 | 35 | -20 | -15 | 10 | -10 | -15 | 10 | -5 | 228 | 2 | 25 | | | |
| 30-44.9167 | -112.8175 | -2-15- | 0-119266 | -5 | -5 | -5 | 22 | -20 | 18 | 7 | -10 | -15 | 14 | -5 | 315 | -1 | 9 | | | |
| 30-44.9025 | -112.6033 | -2-15- | 0-119267 | -5 | 5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 6 | -5 | 492 | 1 | 14 | | | |
| 30-44.9042 | -112.7833 | -2-11- | 0-119268 | -5 | -5 | -5 | 18 | -20 | 22 | 7 | -10 | -15 | 10 | -5 | 150 | -1 | 18 | | | |
| 30-44.9344 | -112.8114 | -2-15- | 0-119269 | -5 | -5 | -5 | 13 | -20 | -15 | 26 | -10 | -15 | -5 | -5 | 181 | 1 | 24 | | | |
| 30-44.9575 | -112.7722 | -2-11- | 0-119270 | -5 | 6 | -5 | 14 | -20 | -15 | 12 | -10 | -15 | 12 | -5 | 357 | -1 | 28 | | | |
| 30-44.9494 | -112.8128 | -2-12- | 0-119271 | -5 | -5 | -5 | -10 | -20 | -15 | 12 | -10 | -15 | 11 | -5 | 364 | 2 | 25 | | | |
| 30-44.9942 | -112.8383 | -2-15- | 0-119272 | -5 | -5 | -5 | 31 | -20 | 35 | 18 | -10 | -15 | -5 | -5 | 254 | | | | | |
| 30-44.9619 | -112.8706 | -2-15- | 0-119273 | -5 | -5 | -5 | 26 | -20 | -15 | 12 | -10 | -15 | 7 | -5 | 204 | 1 | 15 | | | |
| 30-44.9156 | -112.8486 | -2-15- | 0-119274 | -5 | -5 | -5 | 23 | -20 | 20 | 15 | -10 | -15 | 6 | -5 | 340 | 2 | 27 | | | |
| 30-44.8956 | -112.8417 | -2-15- | 0-119275 | -5 | 6 | -5 | 16 | -20 | -15 | -5 | -10 | -15 | 15 | -5 | 191 | -1 | 19 | | | |
| 30-44.7597 | -112.7722 | -2-15- | 0-119276 | -5 | 5 | -5 | 14 | -20 | -15 | 10 | -10 | -15 | 14 | -5 | 140 | 1 | 40 | | | |
| 30-44.7725 | -112.8114 | -2-15- | 0-119277 | -5 | -5 | -5 | -10 | -20 | -15 | 5 | -10 | 20 | -5 | -5 | 229 | -1 | 7 | | | |
| 30-44.7703 | -112.7733 | -2-15- | 0-119278 | -5 | -5 | -5 | 18 | -20 | -15 | 12 | -10 | -15 | -5 | -5 | 235 | -1 | 18 | | | |
| 30-44.7542 | -112.7100 | -2-12- | 0-119279 | -5 | 5 | -5 | -10 | -20 | -15 | 7 | -10 | -15 | 5 | -5 | 313 | -1 | 17 | | | |
| 30-44.7611 | -112.7050 | -2-12- | 0-119280 | -5 | 10 | -5 | 17 | -20 | -15 | 8 | -10 | 19 | 9 | -5 | 247 | 1 | 22 | | | |
| 30-44.7986 | -112.7455 | -2-12- | 0-119281 | -5 | -5 | -5 | -10 | -20 | -15 | 5 | -10 | -15 | -5 | -5 | 219 | -1 | 11 | | | |
| 30-44.7900 | -112.6908 | -2-12- | 0-119282 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 9 | -5 | 727 | -1 | 11 | | | |
| 30-44.7869 | -112.6767 | -2-12- | 0-119283 | -5 | -5 | -5 | -10 | -20 | -15 | 5 | -10 | -15 | -5 | -5 | 314 | 1 | 12 | | | |
| 30-44.7883 | -112.6567 | -2-15- | 0-119284 | -5 | 9 | -5 | 26 | -20 | 28 | 11 | -10 | -15 | -5 | -5 | 265 | -1 | 12 | | | |
| 30-44.7761 | -112.6314 | -2-11- | 0-119285 | -5 | 5 | -5 | 17 | -20 | 15 | 11 | -10 | -15 | 10 | -5 | 203 | 1 | 31 | | | |
| 30-44.7542 | -112.6344 | -2-15- | 0-119286 | -5 | 7 | -5 | 24 | -20 | 33 | 9 | -10 | -15 | 5 | -5 | 227 | -1 | 17 | | | |
| 30-44.8256 | -112.6706 | -2-15- | 0-119287 | -5 | -5 | -5 | 15 | -20 | -15 | 5 | -10 | -15 | 9 | -5 | 253 | -1 | 14 | | | |
| 30-44.8325 | -112.6547 | -2-11- | 0-119288 | -5 | 8 | -5 | 17 | -20 | 17 | 10 | -10 | -15 | 7 | -5 | 227 | -1 | 19 | | | |
| 30-44.8106 | -112.7244 | -2-15- | 0-119289 | -5 | 7 | -5 | 21 | -20 | 22 | 8 | -10 | 16 | 12 | -5 | 294 | -1 | 14 | | | |
| 30-44.9056 | -112.4172 | -2-12- | 0-119290 | -5 | 5 | -5 | 21 | -20 | -15 | 14 | -10 | -15 | 10 | -5 | 130 | 1 | 13 | | | |
| 30-44.9811 | -112.3692 | -2-12- | 0-119291 | -5 | 6 | -5 | 21 | -20 | -15 | 10 | -10 | 18 | 8 | -5 | 257 | 1 | 13 | | | |
| 30-44.9417 | -112.3578 | -2-15- | 0-119292 | -5 | 9 | -5 | 26 | -20 | 25 | 12 | -10 | -15 | 15 | -5 | 326 | 2 | 15 | | | |
| 30-44.9136 | -112.3908 | -2-11- | 0-119293 | -5 | -5 | -5 | 28 | -20 | -15 | -5 | -10 | -15 | 6 | -5 | 176 | 1 | 15 | | | |
| 30-44.8986 | -112.4136 | -2-12- | 0-119294 | -5 | -5 | -5 | 24 | -20 | 17 | -5 | -10 | -15 | 9 | -5 | 284 | 2 | 17 | | | |
| 30-44.9000 | -112.4100 | -2-12- | 0-119295 | -5 | -5 | -5 | 12 | -20 | -15 | 8 | -10 | 18 | 14 | -5 | 368 | 2 | 16 | | | |
| 30-44.8997 | -112.4031 | -2-12- | 0-119296 | -5 | -5 | -5 | 11 | -20 | 16 | -5 | -10 | -15 | 12 | -5 | 488 | 1 | 16 | | | |
| 30-44.9481 | -112.3792 | -2-15- | 0-119297 | -5 | 9 | -5 | 14 | -20 | 18 | 11 | -10 | 16 | 14 | -5 | 1287 | -1 | 11 | | | |
| 30-44.9844 | -112.2933 | -2-12- | 0-119298 | -5 | -5 | -5 | 10 | -20 | -15 | 8 | -10 | -15 | -5 | -5 | 233 | 1 | 18 | | | |
| 30-44.8383 | -112.7211 | -2-12- | 0-119299 | -5 | -5 | -5 | 14 | -20 | -15 | 6 | -10 | -15 | 7 | -5 | 243 | 1 | 17 | | | |
| 30-44.8589 | -112.7032 | -2-11- | 0-119300 | -5 | 7 | -5 | 12 | -20 | -15 | -5 | -10 | -15 | 11 | -5 | 259 | 1 | 15 | | | |
| 30-44.8372 | -112.7706 | -2-12- | 0-119301 | -5 | 5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 8 | -5 | 390 | -1 | 16 | | | |
| 30-44.8475 | -112.7664 | -2-15- | 0-119302 | -5 | 5 | -5 | 14 | -20 | -15 | 8 | -10 | 18 | 5 | -5 | 274 | 1 | 12 | | | |
| 30-44.8610 | -112.7778 | -2-15- | 0-119303 | -5 | 8 | -5 | 30 | 27 | -15 | 31 | -10 | -15 | 12 | -5 | 187 | 2 | 23 | | | |
| 30-44.8594 | -112.7814 | -2-12- | 0-119304 | -5 | 11 | -5 | 566 | 36 | -15 | 168 | -10 | -15 | 46 | -5 | 297 | 2 | 34 | | | |
| 30-44.9056 | -112.8750 | -2-15- | 0-119305 | -5 | 7 | -5 | 40 | -20 | 25 | 11 | -10 | -15 | 16 | -5 | 315 | 2 | 31 | | | |
| 30-44.8575 | -112.2347 | -2-15- | 0-119306 | -5 | 11 | -5 | 107 | -20 | 104 | 7 | -10 | 27 | 19 | -5 | 234 | 2 | 26 | | | |
| 30-44.9325 | -112.8461 | -2-15- | 0-119307 | -5 | -5 | -5 | 19 | -20 | 16 | 7 | -10 | -15 | 15 | -5 | 210 | 1 | 17 | | | |
| 30-44.9250 | -112.9500 | -2-15- | 0-119308 | -5 | 6 | -5 | 25 | -20 | 30 | 12 | -10 | -15 | 10 | -5 | 279 | 1 | 25 | | | |
| 30-44.9142 | -112.9753 | -2-11- | 0-119309 | -5 | 7 | -5 | 16 | 28 | -15 | 6 | -10 | -15 | 11 | -5 | 317 | 4 | 31 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

3

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|------------------------------|--|------|-----|------|----|-----|-------|------|-------|-----|-----|----|----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | IAG SAMPLING LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 30-44.7236-112.9647-2-11- | 0-112260 | 68520 | -0.09 | 555 | 28750 | 137 | 242 | 20.3 | 120 | 8.1 | 9 | 3.3 | 49430 | 11.6 | 19120 | 70 | 0.9 | | | |
| 30-44.7372-112.8967-2-15- | 0-112260 | 45130 | -0.04 | 588 | 2941 | 68 | 92 | 7.9 | 76 | 3.2 | 5 | 1.7 | 21740 | 12.0 | 15160 | 32 | 0.5 | | | |
| 30-44.7125-112.9153-2-09- | 0-112261 | 52430 | -0.05 | 558 | 71930 | 67 | -81 | 12.6 | 67 | 4.0 | 6 | 1.7 | 27920 | 8.2 | 16950 | 34 | 0.4 | | | |
| 30-44.6919-112.9222-2-11- | 0-112262 | 68110 | -0.05 | 845 | 11550 | 96 | -88 | 10.8 | 65 | 4.9 | 6 | 2.1 | 29950 | 17.3 | 23430 | 34 | 0.5 | | | |
| 30-44.9772-113.2694-2-15- | 0-112263 | 55250 | -0.05 | 823 | 16390 | 91 | -115 | 12.3 | 73 | 7.3 | 4 | 2.2 | 36620 | 11.7 | 19330 | 39 | 0.5 | | | |
| 30-44.9514-113.3069-2-15- | 0-112264 | 61690 | -0.04 | 757 | 12610 | 76 | -114 | 12.5 | 40 | 3.8 | 4 | 1.8 | 21560 | 6.2 | 19160 | 25 | 0.4 | | | |
| 30-44.9486-113.3153-2-15- | 0-112265 | 62980 | -0.05 | 726 | 13760 | 57 | 334 | 7.0 | 45 | 5.0 | 6 | 1.7 | 26040 | 8.1 | 19220 | 31 | 0.4 | | | |
| 30-44.9167-112.8175-2-15- | 0-112266 | 50250 | -0.05 | 820 | 20230 | 75 | 142 | 6.3 | 44 | 3.9 | 5 | 1.7 | 19380 | 12.7 | 18220 | 36 | 0.4 | | | |
| 30-44.9025-112.8023-2-15- | 0-112267 | 72150 | -0.04 | 959 | 7588 | 62 | 83 | 5.6 | 65 | 4.0 | 5 | 1.3 | 19850 | 23.0 | 17410 | 26 | 0.6 | | | |
| 30-44.9042-112.7633-2-11- | 0-112268 | 27530 | -0.05 | 739 | 61510 | 35 | 211 | 2.8 | 60 | 2.9 | 3 | 0.1 | 7968 | 7.8 | 10970 | 19 | 0.3 | | | |
| 30-44.9344-112.8114-2-15- | 0-112269 | 38710 | -0.04 | 531 | 19940 | 49 | 138 | 5.7 | 33 | 3.9 | 5 | 1.3 | 13750 | 6.6 | 16620 | 21 | 0.4 | | | |
| 30-44.9575-112.7722-2-11- | 0-112270 | 41370 | -0.05 | 826 | 34280 | 60 | 177 | 4.3 | 34 | 3.6 | 5 | 1.7 | 16520 | 13.5 | 16490 | 24 | 0.4 | | | |
| 30-44.9694-112.8122-2-12- | 0-112271 | 42610 | -0.05 | 585 | 7259 | 65 | 193 | 7.1 | 66 | 3.8 | 5 | 1.8 | 22450 | 19.3 | 18080 | 34 | 0.5 | | | |
| 30-44.9942-112.8383-2-15- | 0-112272 | 55960 | -0.05 | 764 | 47840 | 75 | -93 | 16.9 | 199 | 2.5 | 4 | 2.0 | 30040 | 9.8 | 16890 | 36 | 0.3 | | | |
| 30-44.9419-112.8706-2-15- | 0-112273 | 29490 | -0.03 | 430 | 49950 | 40 | -78 | 5.5 | 33 | 2.7 | 3 | 1.0 | 14280 | 8.7 | 14440 | 21 | 0.2 | | | |
| 30-44.9156-112.8486-2-15- | 0-112274 | 45200 | -0.04 | 563 | 65430 | 72 | 153 | 8.4 | 74 | 3.8 | 6 | 1.6 | 21580 | 16.6 | 20880 | 29 | 0.5 | | | |
| 30-44.8956-112.8417-2-15- | 0-112275 | 28830 | -0.04 | 335 | 126200 | 49 | 120 | 7.6 | 49 | 3.1 | 4 | 1.2 | 16010 | 8.8 | 10390 | 25 | 0.3 | | | |
| 30-44.7997-112.7722-2-15- | 0-112276 | 49560 | -0.07 | 452 | 83230 | 52 | -89 | 8.5 | 51 | 4.6 | 4 | 0.9 | 23600 | 5.9 | 19180 | 26 | 0.2 | | | |
| 30-44.7775-112.8114-2-15- | 0-112277 | 12530 | -0.04 | 155 | 54020 | 15 | -41 | 2.4 | 28 | 1.9 | 1 | 0.3 | 6861 | 9.7 | 4663 | 9 | 0.1 | | | |
| 30-44.7703-112.7733-2-15- | 0-112278 | 44540 | -0.07 | 521 | 44490 | 43 | -82 | 6.5 | 46 | 5.4 | 3 | 0.9 | 21770 | 9.1 | 13810 | 30 | 0.3 | | | |
| 30-44.7542-112.7100-2-12- | 0-112279 | 21750 | -0.05 | 502 | 66010 | 57 | -83 | 5.9 | 60 | 2.4 | 4 | 0.8 | 14110 | 13.8 | 12120 | 27 | 0.3 | | | |
| 30-44.7611-112.7050-2-12- | 0-112280 | 48360 | -0.06 | 552 | 56690 | 60 | 199 | 6.8 | 70 | 2.8 | 5 | 0.9 | 20330 | 10.7 | 17050 | 30 | 0.3 | | | |
| 30-44.7986-112.7458-2-12- | 0-112281 | 34240 | -0.06 | 551 | 71940 | 47 | -72 | 4.6 | 65 | 2.6 | 3 | 0.8 | 13220 | 7.3 | 11520 | 23 | 0.2 | | | |
| 30-44.7900-112.6908-2-12- | 0-112282 | 32130 | -0.06 | 604 | 65530 | 74 | -74 | 6.5 | 82 | -1.3 | 5 | 1.2 | 24620 | 31.2 | 13050 | 32 | 0.4 | | | |
| 30-44.7860-112.6767-2-12- | 0-112283 | 22270 | -0.21 | 551 | 54960 | 48 | -76 | 5.0 | 85 | 3.1 | 5 | 0.9 | 15780 | 11.9 | 15740 | 26 | 0.3 | | | |
| 30-44.7883-112.6567-2-15- | 0-112284 | 20280 | -0.06 | 760 | 66260 | 50 | -67 | 10.3 | 169 | -1.2 | 4 | 1.0 | 21710 | 11.5 | 15270 | 28 | 0.3 | | | |
| 30-44.7761-112.6314-2-11- | 0-112285 | 46220 | -0.07 | 433 | 45160 | 54 | -74 | 6.6 | 39 | 3.6 | 4 | 0.9 | 22000 | 8.3 | 15610 | 23 | 0.3 | | | |
| 30-44.7542-112.6344-2-15- | 0-112286 | 28580 | -0.07 | 465 | 94590 | 53 | -75 | 9.3 | 186 | 2.1 | 3 | 0.9 | 20700 | 11.5 | 9638 | 25 | 0.3 | | | |
| 30-44.8256-112.6706-2-15- | 0-112287 | 31170 | -0.05 | 607 | 59360 | 48 | -75 | 4.5 | 52 | 2.9 | 4 | 0.9 | 16330 | 11.3 | 16030 | 24 | 0.3 | | | |
| 30-44.8325-112.6547-2-11- | 0-112288 | 36540 | -0.06 | 483 | 115900 | 65 | 152 | 7.4 | 64 | 2.3 | 5 | 1.1 | 19630 | 10.3 | 14310 | 29 | 0.3 | | | |
| 30-44.8106-112.7244-2-15- | 0-112289 | 25210 | -0.06 | 146 | 46860 | 59 | -70 | 5.9 | 50 | 2.6 | 4 | 0.7 | 16750 | 11.7 | 13690 | 22 | 0.3 | | | |
| 30-44.9956-112.4172-2-12- | 0-112290 | 45450 | -0.10 | 724 | 25240 | 64 | 243 | 7.9 | 70 | 5.6 | 5 | 1.0 | 23040 | 5.2 | 15460 | 32 | 0.3 | | | |
| 30-44.9911-112.3692-2-12- | 0-112291 | 39150 | -0.07 | 743 | 24570 | 67 | 129 | 7.0 | 42 | 2.5 | 4 | 1.6 | 17700 | 11.7 | 14840 | 31 | 0.3 | | | |
| 30-44.9417-112.3976-2-15- | 0-112292 | 65290 | -0.09 | 714 | 11760 | 94 | -85 | 17.8 | 74 | 5.6 | 8 | 2.2 | 37410 | 12.6 | 17120 | 49 | 0.6 | | | |
| 30-44.9136-112.3908-2-11- | 0-112293 | 42120 | -0.08 | 99 | 14310 | 50 | 216 | 6.6 | 53 | 3.1 | 4 | 1.2 | 17660 | 7.6 | 16160 | 27 | 0.3 | | | |
| 30-44.8986-112.4126-2-12- | 0-112294 | 56610 | -0.08 | 566 | 15260 | 72 | 140 | 15.5 | 96 | 4.8 | 7 | 1.6 | 30750 | 11.4 | 15960 | 35 | 0.5 | | | |
| 30-44.9000-112.4100-2-12- | 0-112295 | 46200 | -0.08 | 772 | 19230 | 104 | -76 | 12.5 | 80 | 4.2 | 7 | 2.1 | 29350 | 17.7 | 16470 | 41 | 0.7 | | | |
| 30-44.8997-112.4021-2-12- | 0-112296 | 34920 | -0.06 | 563 | 34720 | 61 | -62 | 8.2 | 52 | 3.2 | 5 | 1.4 | 20440 | 19.7 | 13740 | 32 | 0.4 | | | |
| 30-44.9481-112.3762-2-15- | 0-112297 | 44410 | -0.08 | 784 | 11760 | 234 | -77 | 15.3 | 128 | 5.6 | 10 | 3.1 | 45720 | 64.0 | 13040 | 112 | 1.2 | | | |
| 30-44.9844-112.3933-2-12- | 0-112298 | 37940 | -0.06 | 543 | 69210 | 57 | -86 | 8.3 | 53 | 3.3 | 5 | 1.4 | 18720 | 10.3 | 17320 | 29 | 0.4 | | | |
| 30-44.8282-112.7311-2-12- | 0-112299 | 34250 | -0.07 | 834 | 67730 | 44 | 188 | 3.2 | 29 | 3.0 | 3 | 1.4 | 11830 | 10.7 | 13940 | 24 | 0.4 | | | |
| 30-44.8599-112.7022-2-11- | 0-112300 | 22500 | -0.06 | 603 | 42920 | 45 | 179 | 3.5 | 26 | 2.8 | 4 | 1.1 | 11340 | 10.4 | 15670 | 22 | 0.3 | | | |
| 30-44.8372-112.7706-2-12- | 0-112301 | 36620 | -0.06 | 449 | 58510 | 59 | 311 | 6.4 | 48 | 3.6 | 4 | 1.5 | 14680 | 15.4 | 15610 | 32 | 0.3 | | | |
| 30-44.8475-112.7664-2-15- | 0-112302 | 22220 | -0.05 | 444 | 43510 | 48 | -68 | 4.8 | 35 | 2.2 | 4 | 1.2 | 13200 | 11.6 | 14830 | 27 | 0.3 | | | |
| 30-44.8619-112.7778-2-15- | 0-112303 | 52350 | -0.09 | 594 | 25610 | 75 | 143 | 10.2 | 77 | 6.2 | 5 | 1.5 | 22360 | 8.0 | 18300 | 30 | 0.4 | | | |
| 30-44.8594-112.7814-2-12- | 0-112304 | 66130 | -0.13 | 1301 | 6969 | 132 | -104 | 19.4 | 38 | 7.1 | 4 | 1.5 | 46490 | 10.6 | 28220 | 69 | 0.4 | | | |
| 30-44.9056-112.8750-2-15- | 0-112305 | 62440 | -0.19 | 626 | 32080 | 90 | 151 | 15.9 | 81 | 5.0 | 7 | 2.0 | 32290 | 12.2 | 15760 | 44 | 0.5 | | | |
| 30-44.8575-112.2347-2-15- | 0-112306 | 67450 | -0.12 | 468 | 29980 | 161 | -102 | 54.9 | 268 | -2.7 | 10 | 2.5 | 78590 | 12.6 | 14010 | 72 | 0.9 | | | |
| 30-44.9325-112.9461-2-15- | 0-112307 | 34450 | -0.06 | 467 | 60110 | 46 | -68 | 6.9 | 53 | 4.9 | 4 | 1.3 | 17000 | 9.5 | 12270 | 26 | 0.3 | | | |
| 30-44.9250-112.9500-2-15- | 0-112308 | 55430 | -0.07 | 567 | 29290 | 74 | -94 | 15.7 | 164 | 4.9 | 5 | 1.9 | 37820 | 11.4 | 18530 | 37 | 0.4 | | | |
| 30-44.9142-112.9753-2-11- | 0-112309 | 44490 | -0.06 | 313 | 14200 | 75 | -75 | 6.3 | 149 | 2.3 | 7 | 0.8 | 13790 | 11.9 | 30140 | 42 | 0.4 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO |
|-------------------|-----------|-----------|----------|-------------|-----------|----------------------------|---|-------|-----|----|------|------|------|----|----|------|------|-----|------|------|---------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | |
| 30-44.7224 | -112.6647 | -2-11- | 0-119260 | | | 10210 | 1116 | 11770 | 90 | -2 | 14.3 | 11.4 | 435 | -2 | -1 | 19.1 | 4807 | 71 | 6.1 | 211 | 0.199 |
| 30-44.7372 | -112.6647 | -2-15- | 0-119260 | | | 6084 | 307 | 7791 | 43 | -1 | 7.3 | 5.4 | -157 | -1 | 1 | 9.9 | 2793 | 62 | 3.3 | -46 | 0.364 |
| 30-44.7125 | -112.9153 | -2-09- | 0-119261 | | | 12540 | 490 | 7480 | 82 | 4 | 8.8 | 5.9 | -198 | -1 | -1 | 11.7 | 2918 | 72 | 3.6 | 96 | 0.308 |
| 30-44.6919 | -112.9222 | -2-11- | 0-119262 | | | 6726 | 654 | 12450 | 88 | -1 | 8.0 | 7.3 | -254 | -1 | -1 | 13.8 | 5108 | 79 | 4.0 | | 0.333 |
| 30-44.9727 | -113.2604 | -2-15- | 0-119263 | | | -2004 | 2020 | 12700 | -27 | -1 | 9.4 | 6.5 | -386 | -1 | -1 | 11.4 | 2752 | 54 | 4.4 | 31 | 0.246 |
| 30-44.9514 | -113.3069 | -2-15- | 0-119264 | | | 3507 | 1185 | 16430 | 55 | -1 | 7.2 | 4.7 | -287 | -1 | -1 | 9.4 | 2446 | 47 | 3.0 | 61 | 0.287 |
| 30-44.9485 | -113.2153 | -2-15- | 0-119265 | | | 5960 | 879 | 14270 | 62 | -1 | 8.8 | 5.6 | -280 | -1 | -1 | 10.4 | 3121 | 61 | 3.2 | 59 | 0.394 |
| 30-44.9167 | -112.8175 | -2-15- | 0-119266 | | | 5894 | 522 | 9224 | 52 | -1 | 5.8 | 5.9 | -234 | -1 | -1 | 11.9 | 2860 | 42 | 4.4 | 57 | 0.227 |
| 30-44.9075 | -112.8033 | -2-15- | 0-119267 | | | 3580 | 169 | 5562 | 67 | -1 | 5.3 | 5.7 | -121 | -1 | -1 | 10.4 | 3315 | 42 | 4.3 | 40 | 0.317 |
| 30-44.9042 | -112.7833 | -2-11- | 0-119268 | | | 4126 | 126 | 6439 | -23 | -1 | 3.4 | 2.6 | -172 | -1 | -1 | 3.8 | 1609 | 32 | -0.9 | | 1.211 |
| 30-44.9244 | -112.8114 | -2-15- | 0-119269 | | | 4494 | 629 | 6494 | 46 | -1 | 4.7 | 4.4 | -213 | -1 | -1 | 6.8 | 1988 | 30 | 2.9 | 85 | 0.324 |
| 30-44.9575 | -112.7727 | -2-11- | 0-119270 | | | 5808 | 459 | 7344 | -20 | -1 | 4.5 | 4.3 | -219 | -1 | -1 | 8.1 | 2874 | 39 | 3.2 | -79 | 0.358 |
| 30-44.6694 | -112.8128 | -2-12- | 0-119271 | | | 3506 | 477 | 9152 | 81 | -1 | 6.8 | 5.8 | -200 | -1 | -1 | 11.8 | 2769 | 47 | 4.0 | 111 | 0.271 |
| 30-44.6942 | -112.8383 | -2-15- | 0-119272 | | | 2367 | 665 | 12840 | -24 | -1 | 10.5 | 6.0 | -222 | -1 | -1 | 9.8 | 3292 | 70 | 3.1 | -91 | 0.265 |
| 30-44.9419 | -112.8706 | -2-15- | 0-119273 | | | 6505 | 431 | 7178 | 44 | -1 | 4.3 | 3.3 | -183 | -1 | 1 | 6.5 | 1518 | 40 | 1.6 | 80 | 0.338 |
| 30-44.9156 | -112.8486 | -2-15- | 0-119274 | | | 11850 | 628 | 8880 | 51 | -1 | 6.8 | 6.0 | -232 | -1 | -1 | 12.6 | 2906 | 57 | 4.0 | 99 | 0.262 |
| 30-44.8956 | -112.8417 | -2-15- | 0-119275 | | | 20270 | 541 | 5027 | -21 | -1 | 5.2 | 4.2 | -197 | -1 | -1 | 7.5 | 1906 | 43 | 2.4 | 88 | 0.347 |
| 30-44.7997 | -112.7722 | -2-15- | 0-119276 | | | 15650 | 720 | 6541 | 71 | -2 | 7.6 | 4.6 | -286 | -1 | -1 | 7.9 | 2569 | 73 | -1.4 | 102 | 0.354 |
| 30-44.7725 | -112.8114 | -2-15- | 0-119277 | | | 5053 | 261 | 1041 | -18 | -1 | 2.2 | 1.1 | -139 | -1 | | 2.0 | 936 | 18 | 1.5 | -26 | 0.850 |
| 30-44.7703 | -112.7733 | -2-15- | 0-119278 | | | 7890 | 800 | 7574 | -27 | -2 | 6.8 | 3.9 | -224 | -1 | -1 | 6.9 | 2109 | 51 | 3.0 | -109 | 0.319 |
| 30-44.7542 | -112.7100 | -2-12- | 0-119279 | | | 9447 | 461 | 6106 | 44 | -1 | 4.6 | 4.0 | -200 | -1 | | 6.9 | 1821 | 49 | 2.7 | 59 | 0.406 |
| 30-44.7611 | -112.7050 | -2-12- | 0-119280 | | | 9071 | 518 | 9486 | 63 | -2 | 6.7 | 4.9 | -241 | 2 | -1 | 8.3 | 2700 | 56 | 2.5 | 74 | 0.313 |
| 30-44.7986 | -112.7458 | -2-12- | 0-119281 | | | 9804 | 429 | 6150 | -28 | -2 | 4.5 | 3.4 | -212 | -1 | -1 | 6.9 | 2170 | 36 | 2.5 | -40 | 0.377 |
| 30-44.7900 | -112.6908 | -2-12- | 0-119282 | | | 7768 | 512 | 7698 | -27 | -2 | 5.3 | 5.4 | -176 | -1 | -1 | 8.5 | 4153 | 62 | 6.0 | 76 | 0.447 |
| 30-44.7869 | -112.6767 | -2-12- | 0-119283 | | | 4804 | 227 | 5498 | -23 | -1 | 5.0 | 3.8 | -161 | -1 | | 6.4 | 2036 | 34 | 2.9 | -38 | 0.391 |
| 30-44.7883 | -112.6567 | -2-15- | 0-119284 | | | 7856 | 507 | 5853 | 45 | -2 | 7.5 | 4.0 | -205 | -1 | | 5.2 | 2985 | 60 | 3.7 | 59 | 0.365 |
| 30-44.7761 | -112.6314 | -2-11- | 0-119285 | | | 9204 | 736 | 6494 | -31 | -2 | 7.5 | 4.1 | -247 | -1 | -1 | 7.6 | 2502 | 61 | 3.3 | -78 | 0.263 |
| 30-44.7542 | -112.6344 | -2-15- | 0-119286 | | | 9874 | 574 | 5291 | 67 | -2 | 6.2 | 3.4 | -197 | -1 | | 4.7 | 2074 | 55 | 2.5 | 78 | 0.383 |
| 30-44.8256 | -112.6706 | -2-15- | 0-119287 | | | 5045 | 395 | 4833 | -22 | -1 | 4.5 | 3.5 | -179 | -1 | | 6.1 | 2042 | 42 | 3.6 | 43 | 0.377 |
| 30-44.8325 | -112.6547 | -2-11- | 0-119288 | | | 16460 | 578 | 6797 | -30 | -2 | 6.1 | 4.2 | -263 | -1 | | 8.4 | 2583 | 47 | 4.0 | 128 | 0.310 |
| 30-44.8106 | -112.7244 | -2-15- | 0-119289 | | | 6425 | 412 | 7731 | -26 | -2 | 5.3 | 3.6 | -191 | -1 | -1 | 7.1 | 2043 | 43 | 3.3 | -38 | 0.366 |
| 30-44.9956 | -112.4172 | -2-12- | 0-119290 | | | 8245 | 816 | 7117 | -39 | -2 | 6.9 | 5.0 | -300 | -1 | -1 | 8.6 | 2618 | 61 | -1.7 | 191 | 0.407 |
| 30-44.9811 | -112.3692 | -2-12- | 0-119291 | | | 5160 | 551 | 8757 | 53 | -2 | 5.2 | 5.6 | -232 | -1 | -1 | 10.2 | 2419 | 45 | 3.1 | 85 | 0.265 |
| 30-44.9417 | -112.5978 | -2-15- | 0-119292 | | | 7413 | 931 | 10800 | 102 | -2 | 12.0 | 8.6 | -273 | -1 | -1 | 13.8 | 4562 | 74 | 6.8 | 144 | 0.239 |
| 30-44.9136 | -112.5908 | -2-11- | 0-119293 | | | 4502 | 421 | 8150 | 96 | -2 | 6.7 | 5.6 | -227 | -1 | -1 | 7.4 | 2785 | 51 | -1.3 | -87 | 0.514 |
| 30-44.8986 | -112.4136 | -2-12- | 0-119294 | | | 6525 | 708 | 7946 | 57 | -2 | 9.8 | 7.1 | -228 | -1 | 1 | 12.5 | 2942 | 77 | 4.0 | 102 | 0.224 |
| 30-44.9000 | -112.4100 | -2-12- | 0-119295 | | | 6427 | 511 | 9255 | 57 | -2 | 8.6 | 7.6 | -220 | -1 | -1 | 14.6 | 3765 | 62 | 4.8 | 62 | 0.212 |
| 30-44.8997 | -112.4031 | -2-12- | 0-119296 | | | 6307 | 527 | 7179 | 42 | -1 | 5.1 | 5.2 | -186 | -1 | 1 | 9.4 | 3397 | 58 | 4.0 | 66 | 0.340 |
| 30-44.9491 | -112.3792 | -2-15- | 0-119297 | | | 6416 | 1044 | 6874 | 66 | -2 | 12.5 | 22.4 | -244 | 2 | 2 | 44.9 | 6617 | 85 | 11.1 | 83 | 0.158 |
| 30-44.9844 | -112.3533 | -2-12- | 0-119298 | | | 8273 | 542 | 6460 | 49 | -2 | 5.9 | 5.3 | -209 | -1 | -1 | 10.1 | 2644 | 52 | 3.3 | 52 | 0.277 |
| 30-44.8383 | -112.7311 | -2-12- | 0-119299 | | | 4395 | 271 | 7964 | 53 | -2 | 4.0 | 5.3 | -193 | -1 | -1 | 7.6 | 2154 | 34 | 3.0 | -29 | 0.342 |
| 30-44.8589 | -112.7033 | -2-11- | 0-119300 | | | 3527 | 214 | 8864 | 60 | -1 | 3.7 | 3.9 | 207 | -1 | -1 | 6.9 | 2136 | 30 | 4.1 | 51 | 0.435 |
| 30-44.9372 | -112.7706 | -2-12- | 0-119301 | | | 11760 | 421 | 7547 | -19 | -1 | 5.0 | 5.7 | -186 | -1 | -1 | 8.0 | 2306 | 51 | 2.8 | 65 | 0.413 |
| 30-44.8475 | -112.7664 | -2-15- | 0-119302 | | | 4751 | 317 | 7212 | 44 | -1 | 4.0 | 5.0 | -152 | -1 | -1 | 7.2 | 1977 | 34 | 2.3 | 65 | 0.333 |
| 30-44.8610 | -112.7778 | -2-15- | 0-119303 | | | 7222 | 835 | 9226 | 66 | -2 | 8.4 | 5.4 | -301 | -1 | -1 | 11.1 | 2542 | 54 | 3.3 | 105 | 0.252 |
| 30-44.8594 | -112.7814 | -2-12- | 0-119304 | | | 3292 | 1407 | 15400 | 111 | -2 | 6.1 | 7.8 | -322 | -1 | -1 | 15.1 | 2251 | 30 | 4.9 | 509 | 0.351 |
| 30-44.9056 | -112.8750 | -2-15- | 0-119305 | | | 15210 | 759 | 16280 | -28 | -2 | 11.7 | 7.4 | -251 | -1 | -1 | 14.5 | 3024 | 65 | 4.4 | 125 | 0.297 |
| 30-44.8575 | -112.2347 | -2-15- | 0-119306 | | | 20070 | 1361 | 12250 | -40 | -3 | 32.2 | 13.7 | -334 | -2 | -2 | 34.9 | 7023 | 210 | 9.7 | -51 | 0.129 |
| 30-44.9375 | -112.8661 | -2-15- | 0-119307 | | | 9262 | 934 | 5053 | 42 | -1 | 5.4 | 4.6 | -248 | -1 | -1 | 7.9 | 2606 | 43 | 3.8 | -91 | 0.342 |
| 30-44.9250 | -112.9500 | -2-15- | 0-119308 | | | 10420 | 722 | 12200 | 73 | -2 | 10.7 | 7.0 | -223 | -1 | -1 | 11.6 | 3540 | 106 | 3.6 | 97 | 0.276 |
| 30-44.9142 | -112.9753 | -2-11- | 0-119309 | | | 6041 | 212 | 8365 | 135 | -2 | 6.1 | 6.4 | -157 | 3 | -1 | 15.8 | 2036 | 42 | 4.1 | 74 | 0.259 |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-----------|--|--------------|------|---------------------------------|-------------------|------------|----------------------|----|------------------------|-----------------------|----------|------------|---------------|----------------|------------|-------------|-------------|-----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | CONDIMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SPIN/10WATER (uU/ppm) | MUD 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-44.7842 | -112.6772 | -2-12- | 0-119310 | 09/28/76 | 13 | 22-12.0 | 5.7 | 170 | 10-2-7-4-6-3-2-1-2-4-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.50 | | |
| 30-44.7778 | -112.9730 | -2-12- | 0-119311 | 09/28/76 | 13 | 22-11.5 | 5.7 | 400 | 12-4-4-8-2-2-1-2-4-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 30-44.7708 | -112.9647 | -2-12- | 0-119312 | 09/28/76 | 13 | 22-12.0 | 5.7 | 260 | 6-4-3-6-3-2-1-2-4-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44.7642 | -112.9551 | -2-11- | 0-119313 | 09/28/76 | 13 | 22-11.0 | 5.7 | 320 | 8-4-3-6-2-3-1-2-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 30-44.9832 | -112.1672 | -2-11- | 0-119314 | 09/28/76 | 10 | 8-6.2 | 5.9 | 325 | 11-4-3-6-2-3-1-2-3-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.10 | | |
| 30-44.9654 | -113.1847 | -2-12- | 0-118315 | 09/28/76 | 11 | 13-9.4 | 5.7 | 315 | 5-4-3-4-3-3-1-2-3-2-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.20 | | |
| 30-44.9652 | -113.1861 | -2-12- | 0-119316 | 09/28/76 | 11 | 11-6.6 | 5.7 | 290 | 9-4-3-6-3-3-1-2-3-2-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.80 | | |
| 30-44.9939 | -113.1894 | -2-15- | 0-119317 | 09/28/76 | 12 | 12- | - | - | 11-4-3-6-1-1-2-3-2-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.30 | | |
| 30-44.9696 | -113.1972 | -2-12- | 0-119318 | 09/28/76 | 12 | 18-6.8 | 5.7 | 280 | 11-4-4-6-3-3-6-2-3-4-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.80 | | |
| 30-44.9997 | -113.2172 | -2-15- | 0-119319 | 09/28/76 | 13 | 18- | - | - | 9-3-4-3-6-1-1-2-3-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | |
| 30-44.9494 | -113.2000 | -2-12- | 0-119320 | 09/28/76 | 13 | 16-8.5 | 5.7 | 220 | 9-4-4-6-3-3-1-2-2-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | |
| 30-44.9254 | -113.2183 | -2-12- | 0-119321 | 09/28/76 | 14 | 16-10.0 | 5.7 | 220 | 11-4-3-3-3-3-1-2-2-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.80 | | |
| 30-44.9211 | -113.1933 | -2-12- | 0-119322 | 09/28/76 | 14 | 19-10.0 | 5.5 | 700 | 9-3-6-3-6-4-3-1-2-2-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12.30 | | |
| 30-44.8842 | -113.1654 | -2-12- | 0-119323 | 09/28/76 | 15 | 13-5.8 | 5.5 | 120 | 18-2-7-2-6-4-3-1-2-1-2-5-1-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.70 | | |
| 30-44.8861 | -113.1825 | -2-12- | 0-119324 | 09/28/76 | 15 | 18-10.8 | 5.5 | 140 | 7-4-3-6-4-2-1-2-3-3-4-1-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9.00 | | |
| 30-44.8878 | -113.1875 | -2-12- | 0-119325 | 09/28/76 | 15 | 18-14.4 | 5.7 | 260 | 11-4-3-6-3-3-1-2-3-3-4-1-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.10 | | |
| 30-44.8944 | -113.2400 | -2-12- | 0-119326 | 09/28/76 | 15 | 19-14.6 | 5.7 | 180 | 16-4-3-6-3-3-1-2-3-3-3-1-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.00 | | |
| 30-44.7150 | -112.2575 | -2-12- | 0-119327 | 09/28/76 | 14 | 19-8.6 | 5.9 | 450 | 3-4-4-6-2-3-2-2-3-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.10 | | |
| 30-44.7187 | -112.2496 | -2-12- | 0-119328 | 09/28/76 | 14 | 18-7.8 | 5.7 | 320 | 7-4-3-6-3-3-1-2-3-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | |
| 30-44.7300 | -112.2311 | -2-12- | 0-119329 | 09/28/76 | 14 | 18-9.4 | 5.7 | 280 | 3-4-4-6-3-3-1-2-3-4-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | |
| 30-44.7147 | -112.2606 | -2-12- | 0-119330 | 09/28/76 | 15 | 18-12.0 | 6.1 | 380 | 7-1-1-3-6-3-3-1-2-3-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | |
| 30-44.6959 | -112.1858 | -2-12- | 0-119331 | 09/28/76 | 15 | 18-12.0 | 5.9 | 310 | 5-4-3-6-3-3-1-2-3-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | |
| 30-44.6960 | -112.1672 | -2-12- | 0-119332 | 09/28/76 | 15 | 18-15.6 | 6.3 | 550 | 7-4-2-6-3-3-2-2-4-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.90 | | |
| 30-44.7175 | -112.1481 | -2-12- | 0-119333 | 09/28/76 | 16 | 18-9.8 | 5.7 | 310 | 5-4-3-6-2-3-1-2-3-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | |
| 30-44.7200 | -112.1433 | -2-12- | 0-119334 | 09/28/76 | 16 | 16-13.0 | 5.9 | 450 | 3-4-3-6-4-3-1-2-3-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | |
| 30-44.7202 | -112.1286 | -2-12- | 0-119335 | 09/28/76 | 16 | 16-9.8 | 6.1 | 330 | 5-4-3-6-4-2-1-2-3-2-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | |
| 30-44.7264 | -112.1036 | -2-12- | 0-119336 | 09/28/76 | 17 | 15-10.0 | 5.9 | 370 | 5-4-3-1-4-2-1-2-3-3-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 30-44.6528 | -112.1033 | -2-12- | 0-119337 | 09/28/76 | 0 | 4-7.2 | 5.7 | 490 | 13-4-3-6-4-3-1-2-4-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.10 | | |
| 30-44.7181 | -112.6700 | -2-12- | 0-119338 | 09/30/76 | 0 | 6-4.8 | 5.9 | 550 | 3-4-4-6-3-3-1-2-3-2-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | |
| 30-44.7221 | -112.0638 | -2-12- | 0-119339 | 09/30/76 | 10 | 7-4.0 | 5.7 | 400 | 5-4-4-6-3-3-1-2-3-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | |
| 30-44.7226 | -112.0610 | -2-12- | 0-119340 | 09/30/76 | 10 | 7-5.0 | 5.7 | 450 | 7-4-4-6-2-3-1-2-3-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 30-44.7317 | -112.6412 | -2-12- | 0-119341 | 09/30/76 | 10 | 8-6.0 | 5.9 | 500 | 7-4-6-6-2-3-2-2-4-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | |
| 30-44.7353 | -112.6256 | -2-12- | 0-119342 | 09/30/76 | 10 | 10-6.8 | 5.9 | 410 | 5-4-3-6-2-3-1-2-3-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | |
| 30-44.7411 | -112.6258 | -2-12- | 0-119343 | 09/30/76 | 10 | 10-6.8 | 5.7 | 320 | 5-4-5-6-2-3-1-2-3-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | |
| 30-44.6652 | -112.6311 | -2-11- | 0-119344 | 09/30/76 | 12 | 15-7.8 | 6.3 | 500 | 5-4-6-6-2-3-1-2-4-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | |
| 30-44.6644 | -112.6250 | -2-12- | 0-119345 | 09/30/76 | 12 | 15-12.2 | 6.3 | 460 | 5-4-6-6-3-3-1-2-4-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44.6542 | -112.6637 | -2-12- | 0-119346 | 09/30/76 | 12 | 16-11.6 | 6.3 | 800 | 3-4-4-7-2-3-1-2-4-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | |
| 30-44.6269 | -112.1019 | -2-12- | 0-119347 | 09/30/76 | 13 | 15-11.8 | 6.3 | 550 | 3-4-5-6-2-3-1-2-4-3-3-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | |
| 30-44.6153 | -112.6950 | -2-15- | 0-119348 | 09/30/76 | 13 | 15- | - | - | 11-4-4-6-1-1-2-4-3-2-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | |
| 30-44.5803 | -112.0656 | -2-12- | 0-119349 | 09/30/76 | 14 | 18-8.2 | 5.9 | 340 | 3-1-6-5-6-3-3-2-2-3-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | |
| 30-44.5775 | -112.0649 | -2-12- | 0-119350 | 09/30/76 | 14 | 18-10.8 | 5.7 | 240 | 5-1-6-5-6-3-3-2-2-3-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | |
| 30-44.5494 | -112.6542 | -2-11- | 0-119351 | 09/30/76 | 15 | 11-4.4 | 5.7 | 230 | 5-4-5-6-2-3-1-2-1-4-5-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13.00 | | |
| 30-44.6178 | -112.0242 | -2-12- | 0-119352 | 09/30/76 | 15 | 15-10.6 | 5.9 | 310 | 11-4-4-6-3-3-1-2-4-3-2-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | |
| 30-44.5694 | -112.0208 | -2-12- | 0-119353 | 09/30/76 | 16 | 14-8.0 | 5.7 | 290 | 7-1-1-3-6-4-3-1-2-1-4-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.20 | | |
| 30-44.5911 | -112.0119 | -2-12- | 0-119354 | 09/30/76 | 16 | 16-8.0 | 5.7 | 330 | 9-4-5-6-3-3-1-2-3-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44.5830 | -112.1272 | -2-12- | 0-119355 | 09/30/76 | 16 | 17-12.6 | 5.9 | 350 | 11-4-4-7-4-3-2-2-3-3-4-1-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | |
| 30-44.5830 | -112.1258 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | | |
|-------------------|-----------|-----------|----------|-------------|-------|---|---|-----|-----|----|-----|-----|-----|----|------|----|----|----|--|------------------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | DEPTH | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 30-44.7847 | -112.9772 | -2-12- | 0-118310 | -5 | 9 | 5 | 38 | -20 | -15 | 7 | -10 | -15 | 20 | -5 | 662 | 4 | 33 | | | | |
| 30-44.7778 | -112.9739 | -2-12- | 0-118311 | -5 | 11 | -5 | 43 | -20 | 47 | 18 | -10 | -15 | 6 | -5 | 351 | 3 | 20 | | | | |
| 30-44.7708 | -112.9647 | -2-12- | 0-118312 | -5 | -5 | -5 | 40 | -20 | 64 | 15 | -10 | -15 | 5 | -5 | 259 | 1 | 33 | | | | |
| 30-44.7642 | -112.9581 | -2-11- | 0-118313 | -5 | -5 | -5 | 29 | -20 | 40 | 14 | -10 | -15 | -5 | -5 | 255 | 2 | 28 | | | | |
| 30-44.9833 | -113.1622 | -2-11- | 0-118314 | -5 | 5 | -5 | 19 | -20 | -15 | 8 | -10 | -15 | 6 | -5 | 642 | 2 | 28 | | | | |
| 30-44.9664 | -113.1647 | -2-12- | 0-118315 | -5 | 9 | -5 | 25 | -20 | -15 | 68 | 13 | 20 | 9 | -5 | 771 | 2 | 30 | | | | |
| 30-44.9653 | -113.1861 | -2-12- | 0-118316 | -5 | 9 | -5 | 15 | -20 | -15 | 15 | -10 | -15 | 12 | -5 | 658 | 3 | 40 | | | | |
| 30-44.9939 | -113.1894 | -2-15- | 0-118317 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 77 | -1 | 7 | | | | |
| 30-44.9936 | -113.1972 | -2-12- | 0-118318 | -5 | 9 | -5 | -10 | -20 | -15 | 7 | -10 | -15 | 44 | -5 | 684 | 2 | 20 | | | | |
| 30-44.9697 | -113.2122 | -2-15- | 0-118319 | -5 | -5 | -5 | 17 | -20 | -15 | -5 | -10 | -15 | 110 | -5 | 295 | 2 | 26 | | | | |
| 30-44.9494 | -113.2000 | -2-12- | 0-118320 | -5 | 5 | -5 | 30 | -20 | 23 | 11 | -10 | 16 | 6 | -5 | 285 | 3 | 35 | | | | |
| 30-44.9264 | -113.2183 | -2-12- | 0-118321 | 5 | -5 | -5 | 13 | -20 | 23 | 15 | -10 | 29 | 10 | -5 | 542 | 2 | 38 | | | | |
| 30-44.9211 | -113.1533 | -2-12- | 0-118322 | 8 | 13 | -5 | 25 | 29 | 18 | 17 | -10 | 16 | 12 | -5 | 2199 | 3 | 32 | | | | |
| 30-44.8842 | -113.1658 | -2-12- | 0-118323 | 5 | -5 | -5 | 27 | -20 | 34 | 18 | -10 | -15 | -5 | -5 | 1186 | 2 | 31 | | | | |
| 30-44.8861 | -113.1825 | -2-12- | 0-118324 | 7 | 7 | -5 | 22 | 35 | 32 | 28 | -10 | -15 | 16 | -5 | 2061 | 2 | 25 | | | | |
| 30-44.8878 | -113.1875 | -2-12- | 0-118325 | -5 | 6 | -5 | 12 | -20 | -15 | 6 | -10 | -15 | 20 | -5 | 160 | 2 | 26 | | | | |
| 30-44.8944 | -113.2400 | -2-12- | 0-118326 | 8 | -5 | -5 | 11 | 33 | 35 | 16 | -10 | 26 | 16 | -5 | 3055 | 3 | 34 | | | | |
| 30-44.7150 | -112.2575 | -2-12- | 0-118327 | -5 | 5 | -5 | 10 | -20 | -15 | -5 | -10 | 17 | -5 | -5 | 240 | -1 | 6 | | | | |
| 30-44.7183 | -112.2486 | -2-12- | 0-118328 | -5 | -5 | -5 | 15 | -20 | -15 | 5 | -10 | -15 | -5 | -5 | 335 | -1 | 7 | | | | |
| 30-44.7300 | -112.2311 | -2-12- | 0-118329 | -5 | -5 | -5 | -10 | -20 | -15 | 7 | -10 | -15 | 5 | -5 | 347 | 1 | 16 | | | | |
| 30-44.7147 | -112.2606 | -2-12- | 0-118330 | -5 | -5 | -5 | 16 | -20 | -15 | 5 | -10 | -15 | -5 | -5 | 448 | -1 | 5 | | | | |
| 30-44.6969 | -112.1858 | -2-12- | 0-118331 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | 17 | -5 | -5 | 897 | -1 | 5 | | | | |
| 30-44.6969 | -112.1872 | -2-12- | 0-118332 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 8 | -5 | 714 | 1 | 15 | | | | |
| 30-44.7175 | -112.1481 | -2-12- | 0-118333 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | 20 | -5 | -5 | 436 | -1 | 5 | | | | |
| 30-44.7200 | -112.1433 | -2-12- | 0-118334 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 525 | -1 | 6 | | | | |
| 30-44.7303 | -112.1286 | -2-12- | 0-118335 | -5 | -5 | -5 | 12 | -20 | -15 | -5 | -10 | 16 | 8 | -5 | 703 | -1 | 6 | | | | |
| 30-44.7364 | -112.1086 | -2-12- | 0-118336 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 5 | -5 | 358 | -1 | 10 | | | | |
| 30-44.6578 | -112.1052 | -2-12- | 0-118337 | -5 | -5 | -5 | 19 | -20 | -15 | 6 | -10 | -15 | 10 | -5 | 784 | 1 | 16 | | | | |
| 30-44.7181 | -112.0700 | -2-12- | 0-118338 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 831 | -1 | 6 | | | | |
| 30-44.7231 | -112.0628 | -2-12- | 0-118339 | -5 | -5 | -5 | 12 | -20 | -15 | -5 | -10 | 15 | 6 | -5 | 425 | 1 | 13 | | | | |
| 30-44.7236 | -112.6600 | -2-12- | 0-118340 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 8 | -5 | 326 | 1 | 15 | | | | |
| 30-44.7317 | -112.0403 | -2-12- | 0-118341 | -5 | -5 | -5 | -10 | -20 | -15 | 5 | -10 | -15 | 10 | -5 | 277 | 2 | 19 | | | | |
| 30-44.7382 | -112.0256 | -2-12- | 0-118342 | -5 | -5 | -5 | -10 | -20 | -15 | 6 | -10 | -15 | -5 | -5 | 313 | 1 | 8 | | | | |
| 30-44.7411 | -112.0258 | -2-12- | 0-118343 | -5 | -5 | -5 | 13 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 302 | 1 | 13 | | | | |
| 30-44.6653 | -112.0311 | -2-11- | 0-118344 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 677 | -1 | 12 | | | | |
| 30-44.6644 | -112.0339 | -2-12- | 0-118345 | -5 | 5 | -5 | -10 | -20 | -15 | 7 | -10 | -15 | 12 | -5 | 181 | 1 | 13 | | | | |
| 30-44.6542 | -112.0817 | -2-12- | 0-118346 | -5 | -5 | -5 | 14 | -20 | -15 | -5 | -10 | -15 | 9 | -5 | 206 | -1 | 9 | | | | |
| 30-44.6269 | -112.1019 | -2-12- | 0-118347 | -5 | -5 | -5 | 19 | -20 | -15 | -5 | -10 | -15 | 9 | -5 | 216 | 1 | 15 | | | | |
| 30-44.6153 | -112.0950 | -2-15- | 0-118348 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | 15 | 8 | -5 | 259 | 1 | 14 | | | | |
| 30-44.5803 | -112.0656 | -2-12- | 0-118349 | -5 | -5 | -5 | 14 | 22 | -15 | 5 | -10 | -15 | -5 | -5 | 265 | 1 | 20 | | | | |
| 30-44.5775 | -112.0669 | -2-12- | 0-118350 | -5 | 6 | -5 | 10 | 30 | -15 | 9 | -10 | -15 | -5 | -5 | 346 | 2 | 18 | | | | |
| 30-44.5494 | -112.0542 | -2-11- | 0-118351 | -5 | -5 | -5 | 33 | 27 | 17 | 8 | -10 | -15 | 6 | -5 | 133 | 2 | 18 | | | | |
| 30-44.6178 | -112.0742 | -2-12- | 0-118352 | -5 | -5 | -5 | -10 | -20 | -15 | 6 | -10 | -15 | -5 | -5 | 573 | 1 | 16 | | | | |
| 30-44.5694 | -112.0208 | -2-12- | 0-118353 | -5 | -5 | -5 | -10 | -20 | -15 | 7 | -10 | 15 | 6 | -5 | 698 | 1 | 17 | | | | |
| 30-44.5911 | -112.0119 | -2-12- | 0-118354 | -5 | 6 | -5 | 12 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 298 | 1 | 14 | | | | |
| 30-44.5839 | -112.1272 | -2-12- | 0-118355 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 13 | -5 | 461 | 1 | 16 | | | | |
| 30-44.5839 | -112.1258 | -2-12- | 0-118356 | -5 | 7 | -5 | 14 | -20 | -15 | 7 | -10 | -15 | 7 | -5 | 678 | -1 | 16 | | | | |
| 30-44.6236 | -112.1719 | -2-15- | 0-118357 | -5 | -5 | -5 | 12 | -20 | -15 | 11 | -10 | 16 | -5 | -5 | 225 | 1 | 27 | | | | |
| 30-44.6192 | -112.2389 | -2-12- | 0-118358 | -5 | -5 | -5 | 12 | -20 | -15 | -5 | -10 | -15 | 10 | -5 | 391 | 2 | 23 | | | | |
| 30-44.5819 | -112.2061 | -2-15- | 0-118359 | -5 | -5 | -5 | -10 | 34 | -15 | 6 | -10 | -15 | 6 | -5 | 279 | 2 | 28 | | | | |
| 30-44.5789 | -112.2607 | -2-12- | 0-118360 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 364 | 2 | 15 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-----------|----------------------------|--|------|--------|-----|------|------|-----|------|----|-----|-------|-------|-------|-----|-----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Cs | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La |
| 30-44.7842 | -112.9772 | -2-12- | C-119310 | | | 60610 | C.19 | 852 | 17460 | 246 | 029 | 19.4 | 62 | -2.2 | 16 | 3.5 | 50550 | 33.0 | 21760 | 99 | 1.5 |
| 30-44.7778 | -112.9739 | -2-12- | C-119311 | | | 54920 | -0.09 | 348 | 37310 | 105 | -117 | 27.9 | 124 | 2.8 | 8 | 2.5 | 55970 | 13.3 | 13970 | 46 | 0.9 |
| 30-44.7708 | -112.9647 | -2-12- | C-119312 | | | 59620 | -0.09 | 448 | 15270 | 65 | -100 | 31.3 | 133 | 9.5 | 4 | 1.7 | 49450 | 10.4 | 14520 | 29 | 0.3 |
| 30-44.7642 | -112.9581 | -2-11- | C-119313 | | | 59630 | -0.09 | 913 | 15780 | 64 | 238 | 19.8 | 375 | 6.0 | 6 | 1.9 | 32930 | 8.7 | 23710 | 28 | 0.3 |
| 30-44.9833 | -113.1622 | -2-11- | C-119314 | | | 58860 | -0.09 | 825 | 21090 | 107 | 251 | 9.8 | 137 | 7.2 | 8 | 2.4 | 29010 | 30.8 | 19080 | 50 | 0.7 |
| 30-44.9664 | -113.1847 | -2-12- | C-119315 | | | 66240 | -0.08 | 1840 | 16570 | 126 | 220 | 14.7 | 162 | 6.2 | 8 | 2.0 | 35500 | 38.3 | 26510 | 67 | 0.7 |
| 30-44.9653 | -113.1861 | -2-12- | C-119316 | | | 61260 | -0.08 | 757 | 12000 | 146 | 305 | 17.6 | 172 | 11.6 | 8 | 2.9 | 38550 | 28.3 | 26920 | 64 | 0.8 |
| 30-44.9999 | -113.1894 | -2-15- | C-119317 | | | 24970 | -0.03 | 445 | 7112 | 27 | -55 | 1.5 | 17 | 1.1 | 2 | 0.5 | 4374 | 3.1 | 9875 | 16 | 0.1 |
| 30-44.9936 | -113.1972 | -2-12- | C-119318 | | | 52110 | -0.08 | 1054 | 14810 | 103 | -87 | 11.3 | 243 | 6.1 | 6 | 2.2 | 28060 | 33.7 | 17680 | 46 | 0.8 |
| 30-44.9697 | -113.2122 | -2-15- | C-119319 | | | 55390 | -0.08 | 1259 | 11520 | 67 | -97 | 13.6 | 60 | 7.9 | 6 | 2.0 | 27190 | 13.2 | 18200 | 32 | 0.5 |
| 30-44.9494 | -113.2000 | -2-12- | C-119320 | | | 66730 | -0.08 | 813 | 16020 | 87 | -107 | 17.2 | 130 | 7.7 | 5 | 2.5 | 34000 | 12.9 | 20840 | 49 | 0.4 |
| 30-44.9264 | -113.2183 | -2-12- | C-119321 | | | 68220 | -0.09 | 1089 | 17020 | 111 | 234 | 19.6 | 231 | 4.5 | 10 | 3.0 | 35960 | 24.9 | 25660 | 51 | 0.6 |
| 30-44.9211 | -113.1932 | -2-12- | C-119322 | | | 58420 | -0.11 | 1039 | 15870 | 211 | 404 | 16.0 | 131 | 8.5 | 18 | 3.6 | 45060 | 112.9 | 25750 | 85 | 2.3 |
| 30-44.8942 | -113.1658 | -2-12- | C-119323 | | | 70100 | -0.10 | 1070 | 26100 | 137 | 275 | 23.8 | 122 | 4.5 | 13 | 3.4 | 63080 | 59.4 | 15460 | 76 | 1.2 |
| 30-44.8861 | -113.1825 | -2-12- | C-119324 | | | 65200 | -0.08 | 1208 | 20440 | 162 | 275 | 19.4 | 129 | 3.0 | 12 | 4.3 | 47690 | 92.8 | 24830 | 73 | 1.4 |
| 30-44.8878 | -113.1875 | -2-12- | C-119325 | | | 44770 | -0.05 | 551 | 101200 | 80 | -74 | 6.2 | 31 | 11.0 | 5 | 1.4 | 18130 | 6.3 | 16830 | 27 | 0.4 |
| 30-44.8944 | -113.2400 | -2-12- | C-119326 | | | 64770 | -0.08 | 1299 | 17620 | 216 | 244 | 23.9 | 184 | 8.7 | 17 | 5.9 | 76280 | 206.7 | 21200 | 108 | 2.7 |
| 30-44.7150 | -112.2527 | -2-12- | C-119327 | | | 18290 | -0.02 | 221 | 6282 | 36 | -50 | 3.9 | 27 | 1.7 | 2 | 0.8 | 9191 | 9.5 | 4889 | 14 | 0.2 |
| 30-44.7183 | -112.2484 | -2-12- | C-119328 | | | 19750 | -0.02 | 280 | 16650 | 30 | -39 | 4.3 | 28 | 1.5 | 3 | 0.8 | 10430 | 12.1 | 6576 | 16 | 0.2 |
| 30-44.7300 | -112.2311 | -2-12- | C-119329 | | | 33590 | -0.04 | 569 | 43550 | 63 | -74 | 4.2 | 39 | 3.1 | 3 | 1.2 | 12850 | 13.3 | 14430 | 28 | 0.3 |
| 30-44.7147 | -112.2606 | -2-12- | C-119330 | | | 13250 | -0.03 | 193 | 4677 | 35 | -30 | 4.3 | 43 | -0.5 | 2 | 0.9 | 11360 | 23.4 | 4330 | 18 | 0.3 |
| 30-44.6969 | -112.1858 | -2-12- | C-119331 | | | 15410 | -0.03 | 191 | 7230 | 32 | -33 | 2.7 | 30 | 1.6 | 3 | 1.0 | 7836 | 38.9 | 6701 | 20 | 0.5 |
| 30-44.6969 | -112.1672 | -2-12- | C-119332 | | | 30960 | -0.03 | 640 | 48600 | 117 | -67 | 5.1 | 25 | 1.6 | 4 | 1.5 | 12620 | 27.5 | 9918 | 57 | 0.4 |
| 30-44.7175 | -112.1481 | -2-12- | C-119333 | | | 11780 | -0.02 | 140 | 17890 | 25 | -29 | 1.8 | 25 | -0.7 | 2 | 0.6 | 4535 | 18.3 | 3892 | 13 | 0.2 |
| 30-44.7200 | -112.1432 | -2-12- | C-119334 | | | 14520 | -0.03 | 319 | 31300 | 47 | 43 | 3.6 | 32 | -0.9 | 3 | 1.3 | 7340 | 28.3 | 5420 | 25 | 0.4 |
| 30-44.7303 | -112.1286 | -2-12- | C-119335 | | | 12630 | -0.03 | 151 | 31940 | 35 | -37 | 3.9 | 42 | 1.2 | 3 | 0.7 | 11270 | 30.0 | 4329 | 17 | 0.4 |
| 30-44.7364 | -112.1086 | -2-12- | C-119336 | | | 27070 | -0.03 | 330 | 35710 | 35 | -58 | 9.5 | 36 | 2.0 | 4 | 1.1 | 22860 | 13.8 | 7976 | 20 | 0.3 |
| 30-44.6528 | -112.1053 | -2-12- | C-119337 | | | 27480 | -0.04 | 782 | 62770 | 113 | -74 | 6.2 | 34 | 3.1 | 4 | 1.6 | 17250 | 31.2 | 9872 | 51 | 0.4 |
| 30-44.7181 | -112.0700 | -2-12- | C-119338 | | | 25740 | -0.04 | 476 | 30660 | 124 | -43 | 4.4 | 36 | 1.7 | 4 | 2.1 | 12160 | 51.9 | 11990 | 65 | 0.6 |
| 30-44.7221 | -112.0628 | -2-12- | C-119339 | | | 36410 | -0.03 | 679 | 8585 | 67 | -63 | 4.0 | 40 | 2.5 | 4 | 1.2 | 12500 | 19.0 | 14760 | 32 | 0.4 |
| 30-44.7236 | -112.0600 | -2-12- | C-119340 | | | 22370 | -0.03 | 553 | 23860 | 53 | -66 | 4.9 | 44 | 2.4 | 4 | 1.3 | 12320 | 12.5 | 14340 | 28 | 0.3 |
| 30-44.7317 | -112.0403 | -2-12- | C-119341 | | | 45400 | -0.04 | 828 | 48710 | 73 | -71 | 4.9 | 29 | 3.9 | 4 | 1.5 | 13970 | 11.1 | 14330 | 31 | 0.3 |
| 30-44.7383 | -112.0256 | -2-12- | C-119342 | | | 23180 | -0.04 | 242 | 6293 | 50 | -27 | 5.1 | 46 | 3.1 | 3 | 1.2 | 12870 | 15.3 | 9939 | 25 | 0.3 |
| 30-44.7411 | -112.0258 | -2-12- | C-119343 | | | 24190 | -0.03 | 556 | 18060 | 50 | -60 | 5.8 | 37 | 3.0 | 4 | 1.3 | 12660 | 11.8 | 11470 | 26 | 0.4 |
| 30-44.6653 | -112.0311 | -2-11- | C-119344 | | | 22570 | -0.02 | 552 | 20660 | 103 | -67 | 5.6 | 52 | 2.0 | 6 | 1.7 | 20890 | 32.6 | 13530 | 53 | 0.5 |
| 30-44.6644 | -112.0229 | -2-12- | C-119345 | | | 28410 | -0.04 | 443 | 40820 | 48 | -50 | 7.5 | 58 | 3.7 | 3 | 1.1 | 16890 | 7.6 | 9220 | 22 | 0.2 |
| 30-44.6542 | -112.0817 | -2-12- | C-119346 | | | 28110 | -0.03 | 623 | 28600 | 55 | -50 | 3.8 | 23 | 2.0 | 3 | 1.0 | 9427 | 9.8 | 12440 | 33 | 0.2 |
| 30-44.6260 | -112.1019 | -2-12- | C-119347 | | | 29090 | -0.03 | 639 | 53590 | 61 | -84 | 5.0 | 35 | 2.7 | 3 | 1.4 | 13800 | 7.7 | 14240 | 29 | 0.4 |
| 30-44.6153 | -112.0950 | -2-15- | C-119348 | | | 40490 | -0.03 | 675 | 27930 | 57 | 2057 | 5.6 | 31 | 2.1 | 4 | 1.5 | 14540 | 8.9 | 13920 | 22 | 0.2 |
| 30-44.5903 | -112.0658 | -2-12- | C-119349 | | | 46120 | -0.04 | 698 | 40160 | 71 | -71 | 5.2 | 35 | 3.4 | 3 | 1.3 | 12910 | 10.2 | 16150 | 29 | 0.3 |
| 30-44.5775 | -112.0669 | -2-12- | C-119350 | | | 48720 | -0.04 | 695 | 18310 | 96 | -73 | 7.9 | 73 | 4.3 | 4 | 2.0 | 19840 | 17.8 | 18860 | 52 | 0.4 |
| 30-44.5494 | -112.0542 | -2-11- | C-119351 | | | 48400 | -0.06 | 648 | 28560 | 41 | 224 | 11.6 | 189 | 6.2 | 3 | 1.3 | 23890 | 4.9 | 14610 | 24 | 0.3 |
| 30-44.6178 | -112.0242 | -2-12- | C-119352 | | | 24470 | -0.03 | 643 | 12910 | 64 | 101 | 5.3 | 75 | 2.9 | 4 | 1.3 | 13310 | 21.3 | 14720 | 35 | 0.4 |
| 30-44.5694 | -112.0209 | -2-12- | C-119353 | | | 36300 | -0.04 | 665 | 27000 | 87 | -60 | 5.5 | 88 | 3.1 | 5 | 1.3 | 16040 | 25.3 | 12500 | 36 | 0.5 |
| 30-44.5911 | -112.0119 | -2-12- | C-119354 | | | 29670 | -0.04 | 502 | 12550 | 64 | -42 | 5.8 | 41 | 2.8 | 3 | 1.3 | 14590 | 13.5 | 13310 | 30 | 0.3 |
| 30-44.5830 | -112.0272 | -2-12- | C-119355 | | | 48740 | -0.04 | 563 | 51870 | 73 | -82 | 7.6 | 34 | 4.8 | 4 | 1.5 | 19440 | 19.4 | 15410 | 37 | 0.4 |
| 30-44.5839 | -112.0258 | -2-12- | C-119356 | | | 40590 | -0.03 | 668 | 50380 | 77 | -78 | 5.9 | 37 | 2.7 | 5 | 1.6 | 15370 | 27.9 | 12790 | 39 | 0.4 |
| 30-44.6236 | -112.0119 | -2-15- | C-119357 | | | 41350 | -0.03 | 688 | 21860 | 58 | 1458 | 4.2 | 28 | 3.3 | 3 | 1.4 | 10600 | 9.4 | 17850 | 27 | 0.3 |
| 30-44.6192 | -112.0386 | -2-12- | C-119358 | | | 43130 | -0.04 | 674 | 13090 | 76 | -61 | 7.3 | 52 | 3.8 | 4 | 1.7 | 19290 | 14.5 | 16600 | 35 | 0.4 |
| 30-44.5819 | -112.0061 | -2-15- | C-119359 | | | 44700 | -0.03 | 693 | 8275 | 86 | -75 | 6.1 | 31 | 3.4 | 4 | 1.6 | 15120 | 17.4 | 18140 | 29 | 0.4 |
| 30-44.5789 | -112.0097 | -2-12- | C-119360 | | | 38110 | -0.03 | 624 | 9926 | 58 | -80 | 6.9 | 38 | 3.2 | 4 | 1.3 | 14880 | 14.0 | 13110 | 30 | 0.3 |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO | |
|-------------------|----------|-----------|---------|-------------|-----------|---|---|-----|----|------|------|------|----|----|------|------|-----|------|-----|---------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | | Yb |
| 30-44 | 7842 | -112.9772 | -2-12- | 0-119310 | 7250 | 1137 | 17890 | 71 | -3 | 13.0 | 20.6 | -348 | -2 | 3 | 33.1 | 5300 | 77 | 13.5 | 125 | 0.227 | |
| 30-44 | 7779 | -112.9730 | -2-12- | 0-119311 | 21540 | 1960 | 14000 | 81 | -2 | 18.5 | 9.7 | -362 | 2 | 1 | 13.3 | 6133 | 107 | 7.0 | 102 | 0.211 | |
| 30-44 | 7708 | -112.9647 | -2-12- | 0-119312 | 20950 | 907 | 12990 | 84 | -2 | 16.9 | 7.7 | -255 | -1 | -1 | 9.6 | 4553 | 112 | 2.0 | 114 | 0.281 | |
| 30-44 | 7642 | -112.9591 | -2-11- | 0-119313 | 9049 | 770 | 14410 | 89 | -2 | 11.7 | 6.0 | -264 | -1 | -1 | 10.3 | 3215 | 67 | -1.7 | 120 | 0.301 | |
| 30-44 | 9832 | -113.1622 | -2-11- | 0-119314 | 7589 | 615 | 14240 | 62 | -2 | 9.3 | 8.0 | -264 | -1 | -1 | 14.3 | 4620 | 58 | 6.2 | 108 | 0.357 | |
| 30-44 | 9654 | -113.1847 | -2-12- | 0-119315 | 5379 | 569 | 17700 | 98 | -2 | 9.1 | 8.9 | 604 | -1 | 1 | 19.4 | 6386 | 81 | 6.3 | 162 | 0.268 | |
| 30-44 | 9653 | -113.1861 | -2-12- | 0-119316 | 5306 | 728 | 14270 | 87 | -2 | 11.9 | 11.9 | -258 | -1 | 2 | 25.3 | 4858 | 71 | 7.9 | 114 | 0.229 | |
| 30-44 | 9932 | -113.1894 | -2-15- | 0-119317 | -986 | 69 | 7129 | 35 | -1 | 1.8 | 1.8 | -95 | -1 | | 3.5 | 937 | 17 | 1.1 | 19 | 0.371 | |
| 30-44 | 9935 | -113.1972 | -2-12- | 0-119318 | 5252 | 675 | 13950 | 67 | -2 | 7.9 | 7.6 | -246 | -1 | -1 | 15.2 | 4635 | 62 | 7.8 | 84 | 0.316 | |
| 30-44 | 9697 | -113.2122 | -2-15- | 0-119319 | 4567 | 1240 | 11970 | 100 | -2 | 8.0 | 5.4 | -317 | -1 | -1 | 10.4 | 3254 | 50 | 5.2 | 82 | 0.346 | |
| 30-44 | 9494 | -113.2200 | -2-12- | 0-119320 | 8221 | 629 | 15370 | 99 | -2 | 11.9 | 8.6 | -243 | -1 | -1 | 11.8 | 4039 | 80 | 4.2 | 103 | 0.314 | |
| 30-44 | 9264 | -113.2183 | -2-12- | 0-119321 | 10990 | 738 | 15230 | 76 | -2 | 11.2 | 9.4 | -250 | -1 | -1 | 15.5 | 5645 | 84 | 6.0 | 142 | 0.310 | |
| 30-44 | 9211 | -113.1933 | -2-12- | 0-119322 | 7229 | 726 | 14680 | 121 | -2 | 13.4 | 15.6 | -261 | 4 | 2 | 51.2 | 8498 | 90 | 18.1 | 90 | 0.240 | |
| 30-44 | 8842 | -113.1658 | -2-12- | 0-119323 | 12980 | 978 | 20200 | 74 | -2 | 16.0 | 12.5 | 697 | 3 | -1 | 18.5 | 9744 | 175 | 9.9 | 112 | 0.416 | |
| 30-44 | 8861 | -113.1825 | -2-12- | 0-119324 | 8482 | 870 | 19220 | 71 | -2 | 12.8 | 14.8 | -259 | 3 | 2 | 32.9 | 6522 | 102 | 11.4 | 138 | 0.274 | |
| 30-44 | 8878 | -113.1875 | -2-12- | 0-119325 | 6506 | 514 | 5325 | 51 | -1 | 5.9 | 5.6 | -221 | -1 | -1 | 10.1 | 2373 | 38 | 3.4 | 78 | 0.208 | |
| 30-44 | 8944 | -113.2400 | -2-12- | 0-119326 | 8351 | 1328 | 15470 | 97 | -2 | 16.1 | 16.9 | -342 | 4 | 3 | 43.1 | 9501 | 150 | 21.1 | 193 | 0.348 | |
| 30-44 | 7150 | -112.2525 | -2-12- | 0-119327 | 2244 | 822 | 1686 | -14 | -1 | 2.7 | 2.9 | -208 | -1 | | 4.3 | 1482 | 28 | 1.9 | -39 | 0.488 | |
| 30-44 | 7192 | -112.2486 | -2-12- | 0-119328 | 2610 | 239 | 1520 | -15 | -1 | 3.1 | 3.1 | -118 | -1 | -1 | 4.6 | 1765 | 37 | 1.9 | 45 | 0.522 | |
| 30-44 | 7200 | -112.2311 | -2-12- | 0-119329 | 6244 | 1156 | 3401 | -19 | -1 | 4.0 | 4.5 | -316 | -1 | -1 | 8.3 | 2542 | 45 | 2.7 | -68 | 0.386 | |
| 30-44 | 7147 | -112.2616 | -2-12- | 0-119330 | 1601 | 294 | 1102 | -13 | -1 | 3.0 | 3.1 | -117 | -1 | -1 | 5.5 | 1465 | 28 | 2.3 | 51 | 0.400 | |
| 30-44 | 6969 | -112.1858 | -2-12- | 0-119331 | 1210 | 195 | 1482 | -13 | -1 | 2.9 | 2.8 | -106 | -1 | | 4.5 | 1586 | 29 | 3.0 | 48 | 0.778 | |
| 30-44 | 6969 | -112.1672 | -2-12- | 0-119332 | 6014 | 386 | 5820 | 40 | -1 | 3.8 | 6.8 | 383 | -1 | -1 | 14.1 | 2785 | 38 | 2.9 | 59 | 0.277 | |
| 30-44 | 7175 | -112.1481 | -2-12- | 0-119333 | 908 | 219 | 844 | -12 | -1 | 1.6 | 2.1 | -117 | -1 | | 4.1 | 1217 | 20 | 1.8 | -26 | 0.561 | |
| 30-44 | 7200 | -112.1432 | -2-12- | 0-119334 | 1851 | 286 | 1424 | -15 | -1 | 2.7 | 4.7 | -134 | -1 | -1 | 7.2 | 1472 | 23 | 2.5 | -16 | 0.417 | |
| 30-44 | 7302 | -112.1266 | -2-12- | 0-119335 | 2280 | 258 | 679 | -14 | -1 | 2.9 | 2.2 | -121 | -1 | | 3.2 | 1930 | 34 | 2.0 | 37 | 0.937 | |
| 30-44 | 7364 | -112.1066 | -2-12- | 0-119336 | 5567 | 577 | 2687 | -21 | -1 | 5.4 | 3.7 | -183 | -1 | 1 | 5.2 | 2760 | 82 | 2.4 | 61 | 0.538 | |
| 30-44 | 6528 | -112.1053 | -2-12- | 0-119337 | 6286 | 1058 | 5041 | 46 | 1 | 4.5 | 6.3 | -289 | -1 | -1 | 14.6 | 2499 | 59 | 4.2 | 54 | 0.349 | |
| 30-44 | 7181 | -112.0700 | -2-12- | 0-119338 | 6498 | 381 | 3698 | -18 | -1 | 4.0 | 8.1 | -151 | -1 | -1 | 17.3 | 2856 | 48 | 4.6 | 60 | 0.272 | |
| 30-44 | 7231 | -112.0628 | -2-12- | 0-119339 | 3810 | 194 | 7552 | 46 | -1 | 4.4 | 4.6 | -136 | -1 | -1 | 10.1 | 2708 | 42 | 2.8 | 38 | 0.327 | |
| 30-44 | 7236 | -112.0600 | -2-12- | 0-119340 | 4844 | 602 | 4095 | 45 | -1 | 3.9 | 4.3 | -197 | -1 | -1 | 8.3 | 2251 | 44 | 2.1 | 66 | 0.373 | |
| 30-44 | 7317 | -112.0402 | -2-12- | 0-119341 | 9139 | 680 | 6303 | 44 | -1 | 4.5 | 5.1 | -242 | -1 | -1 | 11.0 | 2276 | 56 | 2.8 | 43 | 0.345 | |
| 30-44 | 7382 | -112.0256 | -2-12- | 0-119342 | 3004 | 218 | 2351 | -20 | -1 | 4.2 | 4.8 | -125 | -1 | -1 | 7.2 | 1968 | 39 | 3.8 | 61 | 0.347 | |
| 30-44 | 7411 | -112.0258 | -2-12- | 0-119343 | 5022 | 702 | 3243 | -18 | -1 | 4.2 | 3.7 | -215 | -1 | -1 | 6.1 | 2345 | 51 | 2.4 | -52 | 0.525 | |
| 30-44 | 6652 | -112.0311 | -2-11- | 0-119344 | 3540 | 449 | 6209 | 52 | -1 | 5.3 | 7.3 | -170 | -1 | -1 | 16.4 | 4497 | 68 | 3.6 | 62 | 0.287 | |
| 30-44 | 6644 | -112.0329 | -2-12- | 0-119345 | 10730 | 526 | 4697 | -20 | -1 | 5.5 | 3.9 | -206 | -1 | -1 | 7.6 | 1960 | 51 | 2.6 | 62 | 0.355 | |
| 30-44 | 6542 | -112.0917 | -2-12- | 0-119346 | 3297 | 272 | 6809 | 39 | -1 | 3.0 | 4.5 | -137 | -1 | -1 | 8.3 | 1289 | 31 | 1.8 | 35 | 0.265 | |
| 30-44 | 6269 | -112.1019 | -2-12- | 0-119347 | 10200 | 630 | 8151 | -19 | -1 | 4.4 | 4.4 | -221 | -1 | -1 | 8.5 | 1831 | 40 | 2.3 | 74 | 0.353 | |
| 30-44 | 6152 | -112.0950 | -2-15- | 0-119348 | 9229 | 340 | 10950 | 49 | -1 | 5.0 | 4.2 | -175 | -1 | -1 | 9.1 | 2413 | 48 | 2.1 | 81 | 0.352 | |
| 30-44 | 5802 | -112.0656 | -2-12- | 0-119349 | 12670 | 409 | 7915 | 50 | -1 | 4.5 | 4.6 | -206 | -1 | -1 | 9.4 | 2720 | 60 | 3.2 | 99 | 0.394 | |
| 30-44 | 5775 | -112.0669 | -2-12- | 0-119350 | 7825 | 527 | 5780 | 73 | -1 | 6.7 | 6.7 | -208 | -1 | -1 | 14.1 | 3022 | 51 | 3.9 | 85 | 0.248 | |
| 30-44 | 5494 | -112.0542 | -2-11- | 0-119351 | 8622 | 272 | 8718 | -23 | -1 | 9.6 | 5.0 | -254 | -2 | -1 | 6.0 | 3064 | 81 | 2.8 | 113 | 2.167 | |
| 30-44 | 6178 | -112.0242 | -2-12- | 0-119352 | 4824 | 284 | 6047 | 57 | -1 | 4.6 | 4.7 | -141 | 1 | -1 | 10.5 | 2928 | 54 | 2.8 | 51 | 0.362 | |
| 30-44 | 5694 | -112.0208 | -2-12- | 0-119353 | 8588 | 524 | 5031 | 40 | -1 | 5.0 | 5.4 | -198 | -1 | -1 | 10.7 | 2755 | 66 | 3.4 | 103 | 0.402 | |
| 30-44 | 5911 | -112.0119 | -2-12- | 0-119354 | 4831 | 276 | 3574 | 55 | -1 | 4.7 | 4.1 | -139 | -1 | -1 | 7.8 | 2297 | 53 | 2.5 | 59 | 0.346 | |
| 30-44 | 5839 | -112.1272 | -2-12- | 0-119355 | 12940 | 700 | 7184 | 61 | -1 | 5.7 | 4.5 | -231 | -1 | -1 | 11.9 | 2520 | 57 | 3.1 | 68 | 0.378 | |
| 30-44 | 5839 | -112.1258 | -2-12- | 0-119356 | 10110 | 519 | 7963 | 69 | 1 | 4.9 | 5.5 | -186 | -1 | -1 | 13.1 | 2606 | 56 | 3.1 | -32 | 0.359 | |
| 30-44 | 6236 | -112.1719 | -2-15- | 0-119357 | 7826 | 500 | 13950 | 42 | -1 | 3.7 | 4.1 | -221 | -1 | -1 | 8.6 | 2124 | 40 | 2.3 | -37 | 0.326 | |
| 30-44 | 6192 | -112.2289 | -2-12- | 0-119358 | 4557 | 290 | 9020 | 84 | -1 | 6.2 | 5.9 | 234 | -1 | -1 | 12.6 | 2674 | 50 | 3.3 | 45 | 0.262 | |
| 30-44 | 5819 | -112.2561 | -2-15- | 0-119359 | 2073 | 362 | 9414 | 74 | -1 | 5.0 | -0.4 | -168 | -1 | -1 | 12.3 | 2819 | 45 | 2.6 | 74 | 0.350 | |
| 30-44 | 5789 | -112.2597 | -2-12- | 0-119360 | 3729 | 552 | 8121 | 58 | -1 | 4.7 | 4.1 | -201 | -1 | -1 | 9.4 | 2457 | 43 | 2.4 | 52 | 0.383 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | LAST SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|-----------|-----------|----------|-------------|----------|-----------------------------|---|-----|-----|----|-----|-----|----|----|------|----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE TAB | SAMPLE TYPE | REPLACIT | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | | |
| 30-44.5842 | -112.2497 | -2-12- | 0-119361 | -5 | -5 | -5 | 10 | 20 | -15 | -5 | -10 | 19 | 12 | -5 | 661 | 1 | 17 | | | | | |
| 30-44.6102 | -112.2539 | -2-12- | 0-119362 | -5 | 6 | -5 | 18 | -20 | -15 | -5 | -10 | -15 | 9 | -5 | 164 | 1 | 18 | | | | | |
| 30-44.8078 | -112.9806 | -2-12- | 0-119363 | -5 | 6 | -5 | 19 | 32 | -15 | 9 | -10 | -15 | 25 | -5 | 244 | 2 | 26 | | | | | |
| 30-44.7564 | -112.5582 | -2-12- | 0-119364 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 6 | -5 | 397 | -1 | 12 | | | | | |
| 30-44.7564 | -112.9606 | -2-12- | 0-119365 | -5 | -5 | -5 | -10 | 60 | -15 | 7 | -10 | -15 | 30 | -5 | 317 | 3 | 15 | | | | | |
| 30-44.7514 | -112.2733 | -2-12- | 0-119366 | -5 | -5 | -5 | 28 | 39 | 44 | -5 | -10 | -15 | 6 | -5 | 168 | 2 | 33 | | | | | |
| 30-44.8675 | -112.4528 | -2-11- | 0-119367 | -5 | -5 | -5 | 19 | -20 | 30 | 5 | -10 | -15 | 84 | -5 | 265 | 1 | 27 | | | | | |
| 30-44.7958 | -112.3175 | -2-15- | 0-119368 | -5 | 7 | -5 | 22 | -20 | 28 | 15 | -10 | -15 | 90 | -5 | 178 | | | | | | | |
| 30-44.8653 | -112.2556 | -2-15- | 0-119369 | -5 | -5 | -5 | 16 | 46 | -15 | 7 | -10 | -15 | 9 | -5 | 211 | 2 | 19 | | | | | |
| 30-44.8491 | -112.4006 | -2-12- | 0-119370 | -5 | -5 | -5 | 18 | 53 | 25 | 5 | -10 | -15 | 86 | -5 | 247 | 1 | 20 | | | | | |
| 30-44.8578 | -112.4092 | -2-12- | 0-119371 | -5 | 6 | -5 | 21 | 52 | 19 | -5 | -10 | -15 | 72 | -5 | 181 | -1 | 26 | | | | | |
| 30-44.7703 | -112.2489 | -2-12- | 0-119372 | -5 | -5 | -5 | -10 | 20 | -15 | -5 | -10 | -15 | 11 | -5 | 642 | -1 | 14 | | | | | |
| 30-44.9708 | -112.4950 | -2-12- | 0-119373 | 17 | 10 | -5 | 22 | 59 | 79 | -5 | -10 | 18 | 30 | -5 | 2095 | 1 | 18 | | | | | |
| 30-44.9717 | -112.4956 | -2-12- | 0-119374 | 21 | -5 | 5 | 25 | 61 | 102 | -5 | -10 | -15 | 34 | -5 | 2497 | -1 | 17 | | | | | |
| 30-44.9819 | -112.4486 | -2-15- | 0-119375 | -5 | 6 | -5 | 68 | 50 | 62 | 9 | -10 | -15 | 17 | -5 | 299 | 2 | 27 | | | | | |
| 30-44.9697 | -112.4226 | -2-12- | 0-119376 | -5 | -5 | -5 | 17 | -20 | 40 | 5 | -10 | -15 | 16 | -5 | 433 | 2 | 19 | | | | | |
| 30-44.9633 | -112.4258 | -2-15- | 0-119377 | 6 | -5 | 5 | 19 | 74 | 82 | -5 | -10 | -15 | 21 | -5 | 1156 | -1 | 19 | | | | | |
| 30-44.9075 | -112.2314 | -2-12- | 0-119378 | -5 | -5 | -5 | 19 | 43 | -15 | 13 | -10 | -15 | 5 | -5 | 263 | 2 | 27 | | | | | |
| 30-44.9083 | -112.2314 | -2-12- | 0-119379 | -5 | 5 | -5 | 21 | 62 | -15 | 15 | -10 | -15 | 6 | -5 | 346 | 2 | 27 | | | | | |
| 30-44.9000 | -112.2469 | -2-15- | 0-119380 | -5 | -5 | -5 | 11 | 27 | -15 | 10 | -10 | -15 | 11 | -5 | 272 | 3 | 42 | | | | | |
| 30-44.9000 | -112.2533 | -2-15- | 0-119381 | 7 | 10 | -5 | -10 | 61 | -15 | 5 | -10 | -15 | 12 | -5 | 1022 | -1 | 16 | | | | | |
| 30-44.8994 | -112.2611 | -2-12- | 0-119382 | -5 | -5 | -5 | 15 | 24 | -15 | -5 | -10 | -15 | -5 | -5 | 302 | -1 | 10 | | | | | |
| 30-44.8907 | -112.2322 | -2-12- | 0-119383 | -5 | -5 | -5 | -10 | -20 | -15 | 6 | -10 | -15 | 6 | -5 | 785 | -1 | 11 | | | | | |
| 30-44.8939 | -112.2782 | -2-15- | 0-119384 | -5 | -5 | -5 | 23 | 36 | -15 | 11 | -10 | -15 | 11 | -5 | 481 | 2 | 17 | | | | | |
| 30-44.9025 | -112.2678 | -2-15- | 0-119385 | -5 | -5 | -5 | 18 | 21 | -15 | 10 | -10 | -15 | 7 | -5 | 448 | 2 | 20 | | | | | |
| 30-44.9042 | -112.3517 | -2-12- | 0-119386 | -5 | -5 | -5 | 17 | 45 | -15 | 9 | -10 | -15 | 7 | -5 | 405 | -1 | 17 | | | | | |
| 30-44.9150 | -112.3652 | -2-15- | 0-119387 | -5 | 6 | -5 | 30 | 32 | -15 | 10 | -10 | 18 | 11 | -5 | 241 | 2 | 35 | | | | | |
| 30-44.8914 | -112.2383 | -2-12- | 0-119388 | -5 | -5 | -5 | 19 | 36 | -15 | 8 | -10 | -15 | 7 | -5 | 245 | -1 | 16 | | | | | |
| 30-44.8894 | -112.3460 | -2-12- | 0-119389 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 8 | -5 | 196 | 1 | 16 | | | | | |
| 30-44.8958 | -112.3542 | -2-15- | 0-119390 | -5 | -5 | -5 | 13 | 22 | -15 | 6 | -10 | -15 | -5 | -5 | 145 | 2 | 15 | | | | | |
| 30-44.8856 | -112.3283 | -2-12- | 0-119391 | -5 | -5 | -5 | 11 | 27 | -15 | -5 | -10 | -15 | 32 | -5 | 112 | -1 | 18 | | | | | |
| 30-44.8092 | -112.2278 | -2-12- | 0-119392 | -5 | 8 | -5 | 14 | -20 | -15 | 8 | -10 | -15 | 16 | -5 | 759 | 1 | 15 | | | | | |
| 30-44.8078 | -112.2272 | -2-12- | 0-119393 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 28 | 15 | 771 | -1 | 7 | | | | | |
| 30-44.7722 | -112.2478 | -2-12- | 0-119394 | -5 | -5 | -5 | 12 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 548 | -1 | 15 | | | | | |
| 30-44.5819 | -112.2667 | -2-12- | 0-119395 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | 19 | 7 | -5 | 180 | -1 | 9 | | | | | |
| 30-44.5675 | -112.3067 | -2-12- | 0-119396 | -5 | 7 | -5 | 15 | -20 | -15 | 11 | -10 | -15 | 11 | -5 | 181 | 1 | 21 | | | | | |
| 30-44.5642 | -112.3422 | -2-12- | 0-119397 | -5 | 5 | -5 | -10 | -20 | -15 | 11 | -10 | -15 | -5 | -5 | 428 | 2 | 20 | | | | | |
| 30-44.5700 | -112.3656 | -2-12- | 0-119398 | -5 | -5 | -5 | 16 | -20 | 16 | 6 | -10 | -15 | 8 | -5 | 242 | 1 | 19 | | | | | |
| 30-44.5814 | -112.3850 | -2-12- | 0-119399 | -5 | 5 | -5 | 20 | -20 | -15 | 11 | -10 | 15 | 5 | -5 | 384 | 1 | 17 | | | | | |
| 30-44.5961 | -112.4097 | -2-15- | 0-119400 | -5 | 5 | -5 | 27 | -20 | 23 | 10 | -10 | -15 | 11 | -5 | 204 | 2 | 23 | | | | | |
| 30-44.5999 | -112.4550 | -2-12- | 0-119401 | -5 | 9 | -5 | 14 | -20 | -15 | 22 | -10 | 21 | -5 | -5 | 250 | 1 | 11 | | | | | |
| 30-44.5950 | -112.4567 | -2-12- | 0-119402 | -5 | -5 | -5 | 13 | -20 | -15 | 8 | -10 | -15 | 5 | -5 | 446 | 1 | 18 | | | | | |
| 30-44.6028 | -112.4589 | -2-12- | 0-119403 | -5 | -5 | -5 | -10 | -20 | -15 | 7 | -10 | -15 | 6 | -5 | 315 | -1 | 15 | | | | | |
| 30-44.6064 | -112.4561 | -2-11- | 0-119404 | -5 | -5 | -5 | 13 | -20 | -15 | 5 | -10 | -15 | -5 | -5 | 201 | -1 | 13 | | | | | |
| 30-44.6178 | -112.5286 | -2-15- | 0-119405 | -5 | 5 | -5 | 49 | -20 | -15 | 22 | -10 | -15 | 8 | -5 | 156 | 1 | 23 | | | | | |
| 30-44.6167 | -112.5264 | -2-12- | 0-119406 | -5 | 6 | -5 | 21 | -20 | 23 | 8 | -10 | -15 | 5 | -5 | 239 | 1 | 20 | | | | | |
| 30-44.6711 | -112.5425 | -2-15- | 0-119407 | -5 | 8 | -5 | 23 | -20 | -15 | 20 | -10 | 18 | 12 | -5 | 319 | 1 | 18 | | | | | |
| 30-44.6978 | -112.5236 | -2-15- | 0-119408 | -5 | -5 | -5 | -10 | -20 | -15 | 9 | -10 | -15 | 7 | -5 | 512 | 2 | 30 | | | | | |
| 30-44.6978 | -112.5186 | -2-15- | 0-119409 | -5 | -5 | -5 | -10 | -20 | -15 | 17 | -10 | -15 | -5 | -5 | 208 | 2 | 23 | | | | | |
| 30-44.7150 | -112.5428 | -2-15- | 0-119410 | -5 | -5 | -5 | 23 | -20 | -15 | 14 | -10 | -15 | 8 | -5 | 318 | 1 | 17 | | | | | |
| 30-44.7217 | -112.5511 | -2-15- | 0-119411 | -5 | 6 | -5 | 18 | 20 | -15 | 19 | -10 | -15 | 5 | -5 | 245 | 1 | 21 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|-----------|--|---|--------|-----|------|------|-----|------|----|-----|--------|-------|-------|-----|------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Ej | Fe | Hf | K | La |
| 30-44 | 5842 | -112.2497 | -2-12- | 0-119761 | 29290 | -0.04 | 320 | 35550 | 96 | -62 | 6.8 | 49 | 2.5 | 6 | 1.1 | 25180 | 28.5 | 8993 | 40 | 0.5 | |
| 30-44 | 6103 | -112.2530 | -2-12- | 0-119762 | 26030 | -0.04 | 545 | 13400 | 44 | -71 | 7.9 | 62 | 3.9 | 3 | 1.2 | 15770 | 8.7 | 10830 | 25 | 0.3 | |
| 30-44 | 8078 | -112.0808 | -2-12- | 0-119763 | 56690 | -0.05 | 663 | 27170 | 77 | -85 | 12.1 | 74 | 9.3 | 6 | 1.8 | 27620 | 9.8 | 20570 | 33 | 0.5 | |
| 30-44 | 7564 | -112.9583 | -2-12- | 0-119764 | 25230 | -0.03 | 286 | 30250 | 44 | -54 | 4.3 | 35 | 2.0 | 3 | 0.9 | 10030 | 15.0 | 7045 | 21 | 0.2 | |
| 30-44 | 7564 | -112.9606 | -2-12- | 0-119765 | 50130 | -0.04 | 1063 | 16900 | 102 | -124 | 7.5 | 37 | 6.0 | 6 | 1.5 | 18120 | 14.4 | 20390 | 45 | 0.5 | |
| 30-44 | 7514 | -112.2733 | -2-12- | 0-119766 | 57520 | -0.06 | 971 | 69700 | 95 | -92 | 22.4 | 176 | 5.3 | 4 | 2.6 | 37520 | 8.2 | 14890 | 48 | 0.4 | |
| 30-44 | 8675 | -112.4528 | -2-11- | 0-119767 | 40520 | -0.05 | 392 | 67230 | 63 | -71 | 11.9 | 71 | 7.7 | 5 | 1.5 | 26850 | 12.5 | 8249 | 27 | 0.4 | |
| 30-44 | 7958 | -112.2175 | -2-15- | 0-119768 | 26690 | -0.04 | 380 | 21200 | 43 | -73 | 10.5 | 66 | 7.2 | 4 | 1.3 | 24600 | 6.1 | 9402 | 26 | 0.3 | |
| 30-44 | 8652 | -112.2556 | -2-15- | 0-119769 | 59640 | -0.04 | 768 | 8800 | 76 | -69 | 6.6 | 30 | 6.7 | 4 | 1.4 | 18410 | 8.4 | 16770 | 29 | 0.3 | |
| 30-44 | 8491 | -112.4006 | -2-12- | 0-119770 | 37810 | -0.06 | 267 | 89750 | 68 | -67 | 15.3 | 86 | 9.0 | 4 | 1.5 | 34200 | 13.1 | 7704 | 33 | 0.4 | |
| 30-44 | 8570 | -112.4092 | -2-12- | 0-119771 | 35330 | -0.04 | -125 | 83620 | 68 | -60 | 11.6 | 65 | 6.2 | 4 | 1.1 | 27620 | 9.8 | 6578 | 27 | 0.3 | |
| 30-44 | 7703 | -112.2489 | -2-12- | 0-119772 | 25390 | -0.03 | 208 | 34360 | 51 | -62 | 5.5 | 39 | 2.6 | 4 | 1.1 | 11260 | 25.3 | 8282 | 28 | 0.3 | |
| 30-44 | 9708 | -112.4950 | -2-12- | 0-119773 | 51230 | -0.07 | 622 | 30420 | 238 | -110 | 37.4 | 255 | 4.1 | 14 | 3.8 | 108800 | 90.0 | 11510 | 76 | 1.9 | |
| 30-44 | 9717 | -112.4956 | -2-12- | 0-119774 | 49020 | -0.09 | 788 | 31660 | 226 | -123 | 50.2 | 337 | -3.0 | 18 | 5.3 | 145400 | 124.4 | 12260 | 106 | 2.5 | |
| 30-44 | 9819 | -112.4486 | -2-15- | 0-119775 | 65020 | -0.09 | 658 | 21850 | 146 | -98 | 30.6 | 192 | 7.4 | 10 | 3.0 | 58470 | 13.9 | 18920 | 56 | 0.7 | |
| 30-44 | 9697 | -112.4326 | -2-12- | 0-119776 | 58360 | -0.10 | 708 | 14620 | 148 | 169 | 28.5 | 234 | 4.8 | 10 | 3.5 | 57930 | 21.7 | 17080 | 66 | 1.0 | |
| 30-44 | 9633 | -112.4258 | -2-15- | 0-119777 | 56290 | -0.08 | 608 | 20730 | 151 | -121 | 33.5 | 235 | -2.2 | 13 | 2.6 | 67620 | 48.1 | 14080 | 76 | 0.9 | |
| 30-44 | 9075 | -112.2314 | -2-12- | 0-119778 | 55000 | -0.06 | 621 | 33090 | 82 | -81 | 8.6 | 46 | 4.7 | 7 | 1.5 | 25100 | 11.0 | 19730 | 44 | 0.4 | |
| 30-44 | 9083 | -112.2314 | -2-12- | 0-119779 | 51930 | -0.06 | 671 | 35340 | 98 | 166 | 8.0 | 50 | 3.9 | 6 | 1.6 | 24530 | 12.3 | 19900 | 44 | 0.4 | |
| 30-44 | 9000 | -112.2533 | -2-15- | 0-119780 | 53130 | -0.07 | 625 | 45510 | 110 | -66 | 10.3 | 55 | 7.5 | 7 | 1.9 | 31700 | 13.3 | 24850 | 59 | 0.6 | |
| 30-44 | 9000 | -112.2533 | -2-15- | 0-119781 | 37690 | -0.05 | 586 | 60150 | 52 | -76 | 14.9 | 77 | 2.8 | 8 | 1.2 | 47820 | 37.7 | 11620 | 45 | 0.5 | |
| 30-44 | 8994 | -112.2611 | -2-12- | 0-119782 | 29610 | -0.04 | 376 | 34840 | 45 | -63 | 5.2 | 32 | 2.6 | 4 | 1.1 | 12730 | 11.5 | 13160 | 22 | 0.2 | |
| 30-44 | 8903 | -112.2322 | -2-12- | 0-119783 | 27090 | -0.05 | 349 | 32720 | 60 | -57 | 6.7 | 58 | 2.3 | 5 | 1.6 | 21470 | 35.0 | 8747 | 34 | 0.6 | |
| 30-44 | 8939 | -112.2782 | -2-15- | 0-119784 | 47290 | -0.07 | 609 | 29610 | 112 | 147 | 12.0 | 72 | 7.4 | 7 | 2.0 | 36910 | 26.5 | 16150 | 57 | 0.6 | |
| 30-44 | 9025 | -112.2678 | -2-15- | 0-119785 | 46070 | -0.05 | 570 | 51490 | 78 | -72 | 6.8 | 29 | 2.5 | 6 | 1.3 | 24890 | 17.1 | 15590 | 34 | 0.5 | |
| 30-44 | 9042 | -112.3517 | -2-12- | 0-119786 | 36950 | -0.05 | 546 | 59930 | 62 | -77 | 7.7 | 48 | 4.2 | 6 | 1.3 | 21920 | 16.0 | 11930 | 33 | 0.4 | |
| 30-44 | 9150 | -112.3653 | -2-15- | 0-119787 | 59160 | -0.06 | 591 | 38640 | 76 | 134 | 8.5 | 54 | 3.7 | 5 | 1.7 | 23550 | 11.0 | 18670 | 29 | 0.4 | |
| 30-44 | 8914 | -112.3283 | -2-12- | 0-119788 | 35770 | -0.06 | 673 | 69800 | 68 | 189 | 7.5 | 36 | 4.9 | 4 | 1.3 | 19980 | 11.7 | 16780 | 21 | 0.4 | |
| 30-44 | 8894 | -112.3469 | -2-12- | 0-119789 | 23200 | -0.04 | 533 | 63100 | 36 | 269 | 3.8 | 15 | 2.5 | 4 | 1.0 | 10690 | 5.7 | 13250 | 19 | 0.2 | |
| 30-44 | 8858 | -112.3542 | -2-15- | 0-119790 | 52340 | -0.05 | 947 | 52270 | 59 | -106 | 5.8 | 13 | 3.9 | 5 | 1.9 | 12610 | 5.0 | 22050 | 24 | 0.4 | |
| 30-44 | 8856 | -112.3283 | -2-12- | 0-119791 | 18400 | -0.05 | 571 | 179900 | 30 | 225 | 3.6 | 21 | 2.2 | 2 | 0.4 | 10580 | 4.4 | 7210 | 17 | 0.1 | |
| 30-44 | 8092 | -112.3278 | -2-12- | 0-119792 | 34000 | -0.05 | 540 | 22550 | 66 | -70 | 5.1 | 60 | 7.1 | 5 | 0.8 | 14900 | 29.9 | 14100 | 41 | 0.5 | |
| 30-44 | 8078 | -112.3272 | -2-12- | 0-119793 | 19270 | -0.04 | 269 | 34020 | 54 | -48 | 2.7 | 25 | 2.3 | 3 | 1.1 | 7979 | 30.9 | 7330 | 31 | 0.3 | |
| 30-44 | 7722 | -112.2478 | -2-12- | 0-119794 | 26440 | -0.05 | 305 | 33180 | 51 | -59 | 4.9 | 34 | 2.7 | 4 | 1.1 | 10680 | 20.8 | 8583 | 27 | 0.3 | |
| 30-44 | 5919 | -112.2667 | -2-12- | 0-119795 | 24950 | -0.05 | 303 | 16560 | 44 | -45 | 7.0 | 42 | 2.5 | 3 | 1.1 | 18160 | 8.4 | 10850 | 19 | 0.2 | |
| 30-44 | 5675 | -112.3067 | -2-12- | 0-119796 | 39140 | -0.06 | 424 | 22710 | 37 | -79 | 8.2 | 49 | 3.7 | 4 | 1.1 | 20550 | 5.8 | 10340 | 27 | -0.1 | |
| 30-44 | 5642 | -112.3422 | -2-12- | 0-119797 | 38540 | -0.04 | 584 | 8100 | 91 | 157 | 2.8 | 25 | 2.8 | 5 | 1.4 | 9407 | 20.1 | 15790 | 50 | 0.4 | |
| 30-44 | 5700 | -112.3656 | -2-12- | 0-119798 | 29770 | -0.06 | 399 | 61430 | 62 | -69 | 8.6 | 52 | 4.0 | 3 | 1.3 | 20120 | 9.2 | 9162 | 26 | 0.3 | |
| 30-44 | 5914 | -112.3850 | -2-12- | 0-119799 | 38890 | -0.06 | 452 | 22490 | 70 | -57 | 9.3 | 62 | 4.8 | 4 | 1.6 | 24130 | 16.1 | 12620 | 38 | 0.5 | |
| 30-44 | 5961 | -112.4097 | -2-15- | 0-119800 | 51120 | -0.06 | 444 | 36640 | 48 | -77 | 7.6 | 50 | 4.0 | 5 | 0.9 | 21300 | 6.0 | 16410 | 25 | 0.2 | |
| 30-44 | 5989 | -112.4550 | -2-12- | 0-119801 | 33450 | -0.04 | 658 | 50790 | 59 | 77 | 5.2 | 28 | 3.0 | 4 | 1.2 | 11040 | 9.5 | 11680 | 36 | 0.3 | |
| 30-44 | 5990 | -112.4567 | -2-12- | 0-119802 | 36340 | -0.06 | 803 | 72260 | 79 | -90 | 5.2 | 39 | 3.3 | 4 | 1.3 | 13970 | 17.6 | 15830 | 35 | 0.3 | |
| 30-44 | 6029 | -112.4589 | -2-12- | 0-119803 | 37990 | -0.06 | 410 | 35380 | 71 | -65 | 8.9 | 65 | 4.4 | 5 | 1.7 | 20110 | 15.4 | 15320 | 45 | 0.5 | |
| 30-44 | 6064 | -112.4561 | -2-11- | 0-119804 | 28890 | -0.05 | 255 | 80330 | 33 | -71 | 4.1 | 23 | -1.2 | 3 | 0.7 | 13400 | 7.6 | 6848 | 22 | -0.1 | |
| 30-44 | 6178 | -112.5286 | -2-15- | 0-119805 | 44490 | -0.06 | 537 | 53430 | 46 | -80 | 7.4 | 42 | 5.1 | 5 | 1.3 | 16950 | 6.5 | 15040 | 26 | 0.3 | |
| 30-44 | 6167 | -112.5264 | -2-12- | 0-119806 | 40610 | -0.06 | 624 | 61780 | 68 | -76 | 6.6 | 52 | 4.7 | 4 | 1.3 | 14110 | 9.8 | 14460 | 30 | 0.3 | |
| 30-44 | 6711 | -112.5425 | -2-15- | 0-119807 | 47390 | -0.07 | 556 | 6846 | 85 | -75 | 12.6 | 72 | 5.2 | 5 | 2.0 | 29840 | 17.5 | 15710 | 41 | 0.5 | |
| 30-44 | 6978 | -112.5236 | -2-15- | 0-119808 | 61750 | -0.06 | 1030 | 21800 | 77 | -102 | 10.8 | 62 | 4.3 | 5 | 1.8 | 25650 | 17.6 | 23440 | 34 | 0.4 | |
| 30-44 | 6978 | -112.5186 | -2-15- | 0-119809 | 59270 | -0.05 | 667 | 21270 | 62 | -104 | 7.6 | 26 | 6.7 | 4 | 1.6 | 19910 | 7.8 | 21910 | 26 | 0.2 | |
| 30-44 | 7150 | -112.5428 | -2-15- | 0-119810 | 46430 | -0.06 | 516 | 7289 | 82 | -80 | 8.7 | 57 | 3.5 | 5 | 1.7 | 19920 | 14.8 | 20830 | 36 | 0.5 | |
| 30-44 | 7217 | -112.5511 | -2-15- | 0-119811 | 46410 | -0.06 | 685 | 9420 | 87 | -70 | 11.7 | 71 | 5.3 | 5 | 1.9 | 25140 | 13.9 | 16870 | 44 | 0.5 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMP. E NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | U/Th RATIO | |
|---------------------------|----------|-----------|---------|-------------|-----------|---|---|------|------|----|----|------|-------|-----|------|-----|-------|----|---------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | | V |
| 30-44.5942-112.2497-2-12- | 0-118361 | 7020 | 789 | 4307 | -20 | -1 | 5.1 | 6.8 | -246 | -1 | -1 | 15.1 | 5043 | 72 | 3.9 | 107 | 0.278 | | | |
| 30-44.6103-112.2529-2-12- | 0-118362 | 22110 | 624 | 3899 | -25 | -1 | 4.7 | 4.3 | 421 | -1 | -1 | 8.4 | 1438 | 42 | 2.4 | 139 | 0.274 | | | |
| 30-44.8078-112.2806-2-12- | 0-118363 | 8509 | 635 | 7674 | 95 | -1 | 9.1 | 6.0 | -234 | -1 | -1 | 11.5 | 3411 | 61 | 3.6 | -91 | 0.313 | | | |
| 30-44.7564-112.6883-2-12- | 0-118364 | 4470 | 356 | 3455 | -15 | -1 | 3.3 | 3.8 | -150 | -1 | -1 | 6.3 | 2030 | 32 | 2.3 | 62 | 0.476 | | | |
| 30-44.7564-112.9606-2-12- | 0-118365 | -2497 | 2505 | 8177 | 69 | -1 | 4.4 | 6.4 | -495 | -1 | -1 | 16.5 | 2173 | 45 | 2.6 | 50 | 0.303 | | | |
| 30-44.7514-112.2733-2-12- | 0-118366 | 19960 | 845 | 13770 | -31 | -1 | 12.3 | 7.1 | 510 | -2 | -1 | 13.2 | 4276 | 76 | 2.7 | 115 | 0.211 | | | |
| 30-44.8675-112.4528-2-11- | 0-118367 | 4561 | 974 | 2036 | -25 | -1 | 8.7 | 4.0 | -257 | -1 | -1 | 6.4 | 2688 | 63 | 2.1 | -53 | 0.484 | | | |
| 30-44.7958-112.3175-2-15- | 0-118368 | 4260 | 514 | 1777 | -23 | -1 | 7.5 | 4.6 | -235 | -1 | -1 | 7.7 | 2047 | 60 | 2.5 | 131 | 0.377 | | | |
| 30-44.8653-112.2556-2-15- | 0-118369 | 4678 | 565 | 6407 | 70 | -1 | 6.1 | 3.6 | -230 | -1 | -1 | 8.8 | 2456 | 74 | 2.1 | -89 | 0.443 | | | |
| 30-44.8481-112.4006-2-12- | 0-118370 | 4400 | 810 | 1818 | -31 | -2 | 9.9 | 5.5 | -289 | -2 | -1 | 9.9 | 2284 | 66 | 3.1 | 95 | 0.303 | | | |
| 30-44.8578-112.4927-2-12- | 0-118371 | 2706 | 1046 | 1733 | -23 | -1 | 8.1 | 4.8 | -254 | -1 | -1 | 6.5 | 2185 | 64 | 3.5 | -82 | 0.431 | | | |
| 30-44.7703-112.2489-2-12- | 0-118372 | 4765 | 523 | 3375 | 29 | -1 | 3.6 | 3.8 | -181 | -1 | -1 | 7.9 | 2315 | 36 | 2.3 | 82 | 0.456 | | | |
| 30-44.9708-112.4950-2-12- | 0-118373 | 17190 | 1617 | 14200 | -38 | -2 | 23.7 | 21.1 | -289 | 5 | 3 | 20.3 | 26720 | 306 | 14.7 | 161 | 0.345 | | | |
| 30-44.9717-112.4956-2-12- | 0-118374 | 13330 | 1517 | 13540 | -47 | -2 | 31.9 | 22.8 | -323 | 9 | 2 | 30.4 | 26090 | 295 | 18.3 | 143 | 0.243 | | | |
| 30-44.9819-112.4486-2-15- | 0-118375 | 11810 | 1028 | 11000 | 69 | -2 | 17.4 | 11.2 | -321 | -1 | 2 | 14.4 | 7279 | 140 | 6.4 | 127 | 0.236 | | | |
| 30-44.9697-112.4326-2-12- | 0-118376 | 11310 | 777 | 12470 | -40 | -2 | 18.5 | 13.7 | -268 | -2 | 2 | 16.3 | 7122 | 108 | 7.8 | 171 | 0.175 | | | |
| 30-44.9633-112.4258-2-15- | 0-118377 | 17010 | 1670 | 14160 | -37 | -2 | 23.9 | 10.5 | -334 | -1 | 3 | 17.7 | 16490 | 178 | 9.9 | -51 | 0.316 | | | |
| 30-44.9075-112.2314-2-12- | 0-118378 | 7536 | 579 | 6829 | 82 | -1 | 7.2 | 7.4 | -218 | 2 | -1 | 15.2 | 3645 | 57 | 4.5 | 122 | 0.237 | | | |
| 30-44.9083-112.2314-2-12- | 0-118379 | 7159 | 624 | 7226 | 54 | -1 | 6.6 | 7.2 | -248 | -1 | -1 | 16.4 | 2987 | 63 | 5.1 | -86 | 0.213 | | | |
| 30-44.9000-112.2469-2-15- | 0-118380 | 6222 | 495 | 4518 | 131 | -2 | 8.9 | 9.2 | -210 | 3 | -1 | 21.6 | 3871 | 49 | 6.2 | 146 | 0.171 | | | |
| 30-44.9000-112.2523-2-15- | 0-118381 | 4412 | 964 | 5557 | -26 | -1 | 7.3 | 5.9 | -229 | -1 | -1 | 13.9 | 9913 | 131 | 7.5 | -37 | 0.367 | | | |
| 30-44.8994-112.2611-2-12- | 0-118382 | 6492 | 354 | 4426 | 27 | -1 | 4.0 | 3.9 | -162 | -1 | -1 | 6.9 | 2306 | 39 | 2.5 | -57 | 0.449 | | | |
| 30-44.8903-112.2322-2-12- | 0-118383 | 6919 | 510 | 4265 | -20 | -1 | 4.9 | 5.7 | -203 | -1 | -1 | 12.4 | 4605 | 64 | 4.3 | -57 | 0.379 | | | |
| 30-44.8939-112.2783-2-15- | 0-118384 | 7747 | 855 | 6840 | 87 | -2 | 9.0 | 9.2 | -253 | 3 | -1 | 21.1 | 5373 | 65 | 7.3 | 189 | 0.171 | | | |
| 30-44.9025-112.2678-2-15- | 0-118385 | 6265 | 710 | 5135 | -22 | -1 | 6.5 | 6.1 | -204 | -1 | -1 | 12.7 | 4321 | 63 | 4.3 | -32 | 0.268 | | | |
| 30-44.9042-112.3517-2-12- | 0-118386 | 6970 | 698 | 5818 | 54 | -1 | 5.8 | 5.2 | -209 | -1 | -1 | 11.7 | 4152 | 54 | 2.4 | 94 | 0.308 | | | |
| 30-44.9150-112.3653-2-15- | 0-118387 | 7104 | 652 | 9559 | 55 | -1 | 7.7 | 6.0 | -245 | -1 | -1 | 11.0 | 3092 | 59 | 4.4 | -30 | 0.273 | | | |
| 30-44.8914-112.3383-2-12- | 0-118388 | 6130 | 671 | 6679 | 90 | -1 | 5.7 | 4.9 | -253 | -1 | -1 | 11.0 | 2407 | 47 | 4.7 | 97 | 0.273 | | | |
| 30-44.8894-112.3469-2-12- | 0-118389 | 8975 | 497 | 6514 | -17 | -1 | 3.7 | 2.6 | -190 | -1 | -1 | 5.6 | 1744 | 31 | 2.0 | -25 | 0.464 | | | |
| 30-44.8858-112.3542-2-15- | 0-118390 | 6615 | 1302 | 12270 | 58 | -1 | 4.7 | 5.3 | -336 | -1 | -1 | 6.5 | 1627 | 31 | 3.6 | 69 | 0.446 | | | |
| 30-44.8856-112.3383-2-12- | 0-118391 | 30260 | 362 | 3980 | -24 | -1 | 3.3 | 2.1 | 988 | -1 | -1 | 3.7 | 1303 | 22 | 1.7 | 78 | 1.000 | | | |
| 30-44.8992-112.3278-2-12- | 0-118392 | 2816 | 642 | 6219 | -18 | -1 | 4.7 | 4.9 | -198 | -1 | -1 | 12.7 | 3653 | 48 | 3.9 | -26 | 0.323 | | | |
| 30-44.8078-112.3272-2-12- | 0-118393 | 3893 | 218 | 3360 | -14 | -1 | 2.6 | 3.7 | 164 | -1 | -1 | 7.8 | 2328 | 27 | 2.3 | -46 | 0.474 | | | |
| 30-44.7722-112.2478-2-12- | 0-118394 | 4943 | 632 | 3566 | -17 | -1 | 3.7 | 3.9 | -221 | -1 | -1 | 7.2 | 1824 | 38 | 2.7 | 96 | 0.486 | | | |
| 30-44.5819-112.2667-2-12- | 0-118395 | 3588 | 627 | 2057 | -22 | -1 | 4.6 | 3.8 | -195 | -1 | -1 | 6.1 | 1683 | 38 | 2.0 | 91 | 0.328 | | | |
| 30-44.5675-112.2067-2-12- | 0-118396 | 5417 | 1210 | 2641 | -27 | -1 | 5.6 | 2.7 | -308 | -1 | -1 | 5.5 | 3311 | 60 | -1.2 | -43 | 0.600 | | | |
| 30-44.5642-112.3422-2-12- | 0-118397 | 2544 | 139 | 11000 | 57 | -1 | 2.7 | 5.7 | -132 | 2 | -1 | 15.3 | 1413 | 24 | 2.7 | 40 | 0.288 | | | |
| 30-44.5700-112.3656-2-12- | 0-118398 | 6742 | 1007 | 3824 | -21 | -1 | 6.2 | 5.1 | -262 | -1 | -1 | 8.6 | 2286 | 53 | 3.0 | -74 | 0.302 | | | |
| 30-44.5814-112.3850-2-12- | 0-118399 | 5801 | 378 | 5352 | 56 | -1 | 7.3 | 5.9 | -178 | -1 | -1 | 10.7 | 3046 | 54 | 2.6 | 135 | 0.290 | | | |
| 30-44.5861-112.4097-2-15- | 0-118400 | 7912 | 680 | 6297 | -24 | -1 | 7.5 | 3.8 | -224 | -1 | -1 | 7.3 | 3390 | 69 | 2.4 | -40 | 0.370 | | | |
| 30-44.5989-112.4550-2-12- | 0-118401 | 7567 | 833 | 5168 | 55 | -1 | 3.8 | 4.4 | -229 | -1 | -1 | 8.7 | 1804 | 41 | -0.8 | 62 | 0.368 | | | |
| 30-44.5950-112.4567-2-12- | 0-118402 | 7000 | 1386 | 4809 | -22 | -1 | 4.4 | 5.3 | -362 | -1 | -1 | 10.8 | 2118 | 47 | 2.9 | -46 | 0.352 | | | |
| 30-44.6328-112.4589-2-12- | 0-118403 | 5453 | 707 | 5216 | 48 | -1 | 6.7 | 6.0 | -222 | -1 | -1 | 12.1 | 2673 | 48 | 3.1 | 118 | 0.264 | | | |
| 30-44.6064-112.4561-2-11- | 0-118404 | 4823 | 374 | 3758 | -20 | -1 | 4.2 | 2.9 | -176 | -1 | -1 | 4.5 | 1812 | 34 | -1.0 | -30 | 0.578 | | | |
| 30-44.6178-112.5286-2-15- | 0-118405 | 8915 | 828 | 4666 | 56 | -1 | 6.0 | 4.3 | -241 | -1 | -1 | 9.2 | 2059 | 51 | -1.0 | 458 | 0.348 | | | |
| 30-44.6167-112.5264-2-12- | 0-118406 | 7799 | 989 | 4480 | 51 | -1 | 4.9 | 4.5 | -300 | -1 | -1 | 9.7 | 2364 | 46 | 2.9 | | 0.340 | | | |
| 30-44.6711-112.5425-2-15- | 0-118407 | 3766 | 904 | 8613 | 56 | -1 | 9.3 | 6.9 | -250 | -1 | -1 | 15.1 | 2988 | 58 | 4.2 | 167 | 0.192 | | | |
| 30-44.6978-112.5336-2-15- | 0-118408 | 7783 | 672 | 14400 | -25 | -1 | 7.9 | 5.3 | -235 | -1 | -1 | 8.5 | 4624 | 73 | 3.6 | -39 | 0.412 | | | |
| 30-44.6878-112.5186-2-15- | 0-118409 | 7788 | 1501 | 6840 | 75 | -1 | 6.3 | 4.8 | -330 | -1 | -1 | 11.7 | 3237 | 62 | -1.2 | -81 | 0.299 | | | |
| 30-44.7150-112.5428-2-15- | 0-118410 | 5121 | 739 | 9452 | 54 | -1 | 6.1 | 6.2 | -245 | -1 | 1 | 11.3 | 2888 | 46 | 3.3 | -16 | 0.265 | | | |
| 30-44.7217-112.5511-2-15- | 0-118411 | 5901 | 773 | 7615 | 60 | -1 | 8.2 | 6.8 | -235 | -1 | -1 | 14.8 | 2526 | 47 | 4.3 | 134 | 0.182 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

①

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | |
|---------------------------|-----------------------|-----------|---------|-------------|----------|--|----------------------|------|-----------------|-------------------|----------|----------------------|----|-------------------------|-----------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|-----------------|-----------------|--------------------|-------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REF/LATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | LUMINESCENCE (lumbe/cm) | SCINTILLATOR (eU/ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | REFUG | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-44.7247-112.5544-2-11- | 0-119412-10/02/76-11- | 15-10.4 | - | 5.7 | 400- | 5-4- | 5-6-2-3-2-2-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | | |
| 30-44.7247-112.5544-2-15- | 0-119413-10/02/76-11- | 15- | - | - | - | 7-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | |
| 30-44.7547-112.5432-2-12- | 0-119414-10/02/76-11- | 15-10.7 | - | 5.9 | 370- | 5-4- | 5-6-3-2-2-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | | |
| 30-44.7564-112.5042-2-12- | 0-119415-10/02/76-11- | 15-10.0 | - | 5.7 | 350- | 7-3-6-4-6-3-3-2-2-4-4-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 30-44.7514-112.5206-2-11- | 0-119416-10/02/76-11- | 15-9.9 | - | 5.7 | 440- | 7-3-6-3-6-2-3-1-2-4-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | |
| 30-44.7808-112.5350-2-15- | 0-119417-10/02/76-11- | 15- | - | - | - | 11-4- | 5-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44.7744-112.5261-2-15- | 0-119418-10/02/76-11- | 16- | - | - | - | 7-4- | 5-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44.7961-112.5208-2-12- | 0-119419-10/02/76-11- | 15-9.8 | - | 5.9 | 350- | 5-4- | 4-6-3-3-1-2-3-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.90 | | | |
| 30-44.8081-112.4556-2-15- | 0-119420-10/02/76-12- | 15- | - | - | - | 5-4- | 4-7-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | |
| 30-44.8319-112.4710-2-12- | 0-119421-10/02/76-12- | 15-10.2 | - | 6.3 | 360- | 11-4- | 4-6-3-2-1-2-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | | |
| 30-44.8322-112.4728-2-12- | 0-119422-10/02/76-12- | 15-9.0 | - | 6.1 | 400- | 15-4- | 3-7-3-3-1-2-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 30-44.8181-112.5467-2-15- | 0-119423-10/02/76-12- | 15- | - | - | - | 7-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | |
| 30-44.8278-112.5506-2-15- | 0-119424-10/02/76-12- | 15- | - | - | - | 9-4- | 3-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | |
| 30-44.8464-112.5514-2-15- | 0-119425-10/02/76-12- | 15- | - | - | - | 11-4- | 5-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | |
| 30-44.8622-112.5536-2-12- | 0-119426-10/02/76-12- | 16-10.0 | - | 5.7 | 280- | 5-4- | 1-6-2-3-3-2-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | |
| 30-44.8606-112.5525-2-15- | 0-119427-10/02/76-12- | 15- | - | - | - | 9-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 30-44.8625-112.5581-2-12- | 0-119428-10/02/76-13- | 15-10.8 | - | 5.9 | 310- | 11-4- | 3-7-3-3-1-2-3-2-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.20 | | | |
| 30-44.8653-112.5772-2-15- | 0-119429-10/02/76-13- | 15- | - | - | - | 7-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | |
| 30-44.8692-112.5531-2-15- | 0-119430-10/02/76-13- | 15- | - | - | - | 7-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | |
| 30-44.8458-112.5667-2-15- | 0-119431-10/02/76-13- | 17- | - | - | - | 11-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 30-44.8364-112.5689-2-15- | 0-119432-10/02/76-13- | 17- | - | - | - | 7-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.40 | | |
| 30-44.8172-112.5608-2-15- | 0-119433-10/02/76-13- | 17- | - | - | - | 9-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 30-44.7967-112.5591-2-12- | 0-119434-10/02/76-13- | 17-11.5 | - | 5.7 | 320- | 9-4- | 3-4-3-2-1-2-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.30 | | |
| 30-44.8000-112.5886-2-12- | 0-119435-10/02/76-14- | 18-1#.0 | - | 5.9 | 400- | 3-4- | 6-6-2-2-2-2-3-2-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | |
| 30-44.7819-112.5503-2-15- | 0-119436-10/02/76-14- | 18- | - | - | - | 3-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | |
| 30-44.7528-112.5578-2-12- | 0-119437-10/02/76-14- | 17-11.5 | - | 5.7 | 320- | 5-4- | 4-6-2-2-1-2-3-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | |
| 30-44.7406-112.5950-2-15- | 0-119438-10/02/76-14- | 17- | - | - | - | 7-1-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | |
| 30-44.7403-112.6056-2-15- | 0-119439-10/02/76-14- | 17- | - | - | - | 5-4- | 3-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.50 | | |
| 30-44.7402-112.6311-2-15- | 0-119440-10/02/76-14- | 17- | - | - | - | 7-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | |
| 30-44.7347-112.6525-2-12- | 0-119441-10/02/76-15- | 17-12.0 | - | 5.7 | 390- | 3-4- | 5-6-2-2-2-2-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.20 | | |
| 30-44.7275-112.6426-2-15- | 0-119442-10/02/76-14- | 16- | - | - | - | 5-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | |
| 30-44.7322-112.6511-2-12- | 0-119443-10/02/76-15- | 16-12.5 | - | 5.7 | 440- | 5-4- | 5-6-3-2-2-2-4-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | |
| 30-44.6975-112.7230-2-12- | 0-119444-10/02/76-14- | 16-14.0 | - | 5.7 | 500- | -4- | 5-6-4-2-2-2-4-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | |
| 30-44.7092-112.6510-2-12- | 0-119445-10/02/76-15- | 16-12.0 | - | 5.7 | 480- | 7-1-4- | 3-6-4-2-2-2-3-4-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | |
| 30-44.6852-112.6410-2-12- | 0-119446-10/02/76-15- | 17-13.5 | - | 5.7 | 390- | 7-4- | 5-6-3-2-2-2-2-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | |
| 30-44.6553-112.7156-2-11- | 0-119447-10/02/76-16- | 17-9.0 | - | 6.0 | 420- | 7-4- | 4-6-2-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.80 | | |
| 30-44.6489-112.8642-2-12- | 0-119448-10/02/76-16- | 16-14.6 | - | 6.1 | 360- | 5-4- | 4-6-2-2-2-2-4-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | |
| 30-44.6375-112.6708-2-11- | 0-119449-10/02/76-16- | 16-10.0 | - | 6.1 | 340- | 7-4- | 3-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44.6986-112.6644-2-15- | 0-119450-10/02/76-16- | 16- | - | - | - | 5-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | |
| 30-44.6647-112.5928-2-15- | 0-119451-10/02/76-17- | 16- | - | - | - | 9-4- | 4-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | |
| 30-44.6447-112.5875-2-15- | 0-119452-10/02/76-17- | 16- | - | - | - | 7-4- | 3-6-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 30-44.6447-112.5722-2-12- | 0-119453-10/02/76-17- | 15-13.0 | - | 5.8 | 360- | 9-4- | 5-6-3-2-2-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 30-44.6403-112.5675-2-12- | 0-119454-10/02/76-17- | 15-12.5 | - | 5.0 | 380- | 5-4- | 3-6-2-2-1-2-4-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | |
| 30-44.6489-112.5025-2-12- | 0-119455-10/02/76-18- | 15-12.0 | - | 5.7 | 390- | 7-4- | 6-6-2-2-1-2-4-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | |
| 30-44.7367-112.2972-2-12- | 0-119456-10/02/76-10- | 3-3.8 | - | 5.9 | 550- | 7-4- | 3-6-3-3-1-2-4-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | |
| 30-44.7369-112.3103-2-11- | 0-119457-10/02/76-11- | 4-3.8 | - | 5.9 | 600- | 5-4- | 5-6-2-3-2-2-4-3-4-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | |
| 30-44.7303-112.2350-2-12- | 0-119458-10/02/76-11- | 4-4.8 | - | 5.9 | 600- | 7-1-1- | 4-6-3-3-1-2-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | |
| 30-44.7411-112.2343-2-11- | 0-119459-10/02/76-11- | 4-8.6 | - | 5.7 | 650- | 5-4- | 3-6-3-3-1-2-3-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.20 | | |
| 30-44.7228-112.2658-2-12- | 0-119460-10/02/76-12- | 4-5.2 | - | 5.9 | 650- | 7-4- | 4-6-3-3-1-2-3-3-3-2- | - | - | - | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|-----------|-----------|----------|-------------|-----------|-----------------------------|---|-----|-----|----|-----|-----|----|----|------|----|----|--|----|
| STATE | LATITUDE | LONGITUDE | DOE LAD | SAMPLE TYPE | REPLICATE | LAB. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be |
| 30-44.7267 | -112.5564 | -2-11- | 0-118412 | -5 | 6 | -5 | 14 | -20 | -15 | 14 | -10 | -15 | -5 | -5 | 227 | -1 | 18 | | |
| 30-44.7347 | -112.5650 | -2-15- | 0-118413 | -5 | -5 | -5 | 14 | -20 | -15 | 11 | -10 | -15 | 7 | -5 | 267 | 1 | 20 | | |
| 30-44.7647 | -112.5403 | -2-12- | 0-118414 | -5 | -5 | -5 | 11 | -20 | -15 | 10 | 13 | -15 | -5 | -5 | 152 | -1 | 34 | | |
| 30-44.7564 | -112.5042 | -2-12- | 0-118415 | -5 | -5 | -5 | -10 | -20 | -15 | 10 | -10 | -15 | 7 | -5 | 346 | -1 | 12 | | |
| 30-44.7614 | -112.5206 | -2-11- | 0-118416 | -5 | 0 | -5 | 22 | -20 | -15 | 12 | -10 | 15 | 13 | -5 | 277 | 1 | 24 | | |
| 30-44.7808 | -112.5350 | -2-15- | 0-118417 | -5 | -5 | -5 | 24 | -20 | -15 | 9 | -10 | -15 | 9 | -5 | 144 | 1 | 34 | | |
| 30-44.7764 | -112.5361 | -2-15- | 0-118418 | -5 | 8 | -5 | 31 | 23 | -15 | 12 | -10 | -15 | 13 | -5 | 190 | 2 | 34 | | |
| 30-44.7061 | -112.5208 | -2-12- | 0-118419 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 10 | -5 | 377 | -1 | 21 | | |
| 30-44.8091 | -112.4556 | -2-15- | 0-118420 | -5 | 6 | -5 | 13 | -20 | -15 | 14 | -10 | 19 | -5 | -5 | 448 | -1 | 15 | | |
| 30-44.8319 | -112.4719 | -2-12- | 0-118421 | -5 | 5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 16 | -5 | 533 | 1 | 16 | | |
| 30-44.8322 | -112.4728 | -2-12- | 0-118422 | -5 | -5 | -5 | 15 | -20 | 51 | 8 | -10 | -15 | 6 | -5 | 159 | 1 | 34 | | |
| 30-44.8181 | -112.5467 | -2-15- | 0-118423 | -5 | -5 | -5 | 24 | -20 | -15 | 16 | -10 | -15 | 6 | -5 | 318 | 2 | 27 | | |
| 30-44.8278 | -112.5506 | -2-15- | 0-118424 | -5 | 7 | -5 | 42 | -20 | 50 | 13 | -10 | 26 | 9 | -5 | 303 | 1 | 28 | | |
| 30-44.8464 | -112.5514 | -2-15- | 0-118425 | -5 | -5 | -5 | 17 | -20 | -15 | 6 | -10 | -15 | 8 | -5 | 120 | -1 | 32 | | |
| 30-44.8622 | -112.5536 | -2-12- | 0-118426 | -5 | -5 | -5 | 12 | -20 | 31 | 5 | -10 | -15 | -5 | -5 | 563 | -1 | 12 | | |
| 30-44.8606 | -112.5525 | -2-15- | 0-118427 | -5 | 9 | -5 | 21 | -20 | -15 | 17 | -10 | -15 | -5 | -5 | 181 | 1 | 29 | | |
| 30-44.8625 | -112.5581 | -2-12- | 0-118428 | -5 | 7 | -5 | 11 | -20 | 29 | 10 | -10 | 18 | 13 | -5 | 1033 | -1 | 20 | | |
| 30-44.8653 | -112.5772 | -2-15- | 0-118429 | -5 | 5 | -5 | 29 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 304 | 1 | 16 | | |
| 30-44.8692 | -112.5931 | -2-15- | 0-118430 | -5 | 5 | -5 | 30 | -20 | -15 | 8 | -10 | -15 | 8 | -5 | 157 | 2 | 41 | | |
| 30-44.8458 | -112.5667 | -2-15- | 0-118431 | -5 | 12 | -5 | 18 | -20 | -15 | 14 | -10 | -15 | 10 | -5 | 174 | 2 | 38 | | |
| 30-44.8364 | -112.5889 | -2-15- | 0-118432 | -5 | 6 | -5 | 11 | -20 | -15 | -5 | -10 | -15 | 12 | -5 | 559 | 2 | 21 | | |
| 30-44.8172 | -112.5608 | -2-15- | 0-118433 | -5 | 7 | -5 | 29 | -20 | -15 | 12 | -10 | 20 | 5 | -5 | 299 | 1 | 27 | | |
| 30-44.7967 | -112.5550 | -2-12- | 0-118434 | -5 | 6 | -5 | 14 | -20 | 29 | 11 | -10 | 18 | 5 | -5 | 856 | -1 | 18 | | |
| 30-44.8000 | -112.5886 | -2-12- | 0-118435 | -5 | 7 | -5 | -10 | 23 | 15 | 15 | -10 | -15 | 14 | -5 | 676 | 2 | 18 | | |
| 30-44.7819 | -112.5603 | -2-15- | 0-118436 | -5 | 6 | -5 | 19 | -20 | -15 | 10 | -10 | -15 | 5 | -5 | 174 | -1 | 31 | | |
| 30-44.7528 | -112.5578 | -2-12- | 0-118437 | -5 | -5 | -5 | 25 | -20 | -15 | 7 | -10 | 18 | -5 | -5 | 163 | 2 | 22 | | |
| 30-44.7406 | -112.5950 | -2-15- | 0-118438 | -5 | 6 | -5 | 121 | -20 | 93 | 37 | -10 | -15 | 20 | -5 | 279 | -1 | 15 | | |
| 30-44.7403 | -112.6056 | -2-15- | 0-118439 | -5 | -5 | -5 | 12 | -20 | -15 | 8 | -10 | -15 | 5 | -5 | 260 | -1 | 15 | | |
| 30-44.7403 | -112.6311 | -2-15- | 0-118440 | -5 | -5 | -5 | 13 | -20 | -15 | 7 | -10 | -15 | 12 | -5 | 392 | -1 | 10 | | |
| 30-44.7347 | -112.6525 | -2-12- | 0-118441 | -5 | -5 | -5 | 12 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 105 | -1 | 6 | | |
| 30-44.7275 | -112.6436 | -2-15- | 0-118442 | -5 | -5 | -5 | 25 | -20 | -15 | 6 | -10 | -15 | 11 | -5 | 216 | -1 | 30 | | |
| 30-44.7322 | -112.6911 | -2-12- | 0-118443 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 5 | -5 | 168 | -1 | 10 | | |
| 30-44.6875 | -112.7230 | -2-12- | 0-118444 | -5 | 5 | -5 | 21 | -20 | 21 | -5 | -10 | -15 | 8 | -5 | 153 | -1 | 14 | | |
| 30-44.7092 | -112.6819 | -2-12- | 0-118445 | -5 | 5 | -5 | 19 | -20 | -15 | 11 | -10 | -15 | 9 | -5 | 265 | 2 | 16 | | |
| 30-44.6853 | -112.6419 | -2-12- | 0-118446 | -5 | 7 | -5 | 10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 344 | 1 | 11 | | |
| 30-44.6553 | -112.7156 | -2-11- | 0-118447 | -5 | -5 | -5 | -10 | -20 | -15 | 8 | -10 | -15 | -5 | -5 | 219 | -1 | 13 | | |
| 30-44.6489 | -112.6642 | -2-12- | 0-118448 | -5 | -5 | -5 | 51 | -20 | 16 | 17 | -10 | -15 | 20 | -5 | 282 | -1 | 26 | | |
| 30-44.6375 | -112.6708 | -2-11- | 0-118449 | -5 | -5 | -5 | 23 | -20 | -15 | 12 | -10 | -15 | 9 | -5 | 260 | 1 | 16 | | |
| 30-44.6886 | -112.6044 | -2-15- | 0-118450 | -5 | -5 | -5 | 16 | -20 | -15 | 9 | -10 | -15 | 7 | -5 | 272 | 1 | 15 | | |
| 30-44.6647 | -112.5928 | -2-15- | 0-118451 | -5 | 6 | -5 | 28 | -20 | -15 | 18 | -10 | 18 | 6 | -5 | 353 | -1 | 18 | | |
| 30-44.6417 | -112.5875 | -2-15- | 0-118452 | -5 | -5 | -5 | 15 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 250 | -1 | 13 | | |
| 30-44.6447 | -112.5722 | -2-12- | 0-118453 | -5 | -5 | -5 | 19 | -20 | 22 | 10 | -10 | 16 | -5 | -5 | 280 | -1 | 18 | | |
| 30-44.6403 | -112.6675 | -2-12- | 0-118454 | -5 | -5 | -5 | 13 | -20 | -15 | 5 | -10 | -15 | 7 | -5 | 372 | 1 | 16 | | |
| 30-44.6489 | -112.5039 | -2-12- | 0-118455 | -5 | -5 | -5 | 14 | -20 | -15 | 8 | -10 | -15 | 6 | -5 | 293 | 2 | 12 | | |
| 30-44.7367 | -112.2972 | -2-12- | 0-118456 | -5 | 8 | -5 | 34 | -20 | 37 | 12 | -10 | -15 | 12 | -5 | 378 | 3 | 23 | | |
| 30-44.7369 | -112.3103 | -2-11- | 0-118457 | -5 | -5 | -5 | 30 | -20 | 17 | 8 | -10 | -15 | 13 | -5 | 121 | 2 | 20 | | |
| 30-44.7303 | -112.3250 | -2-12- | 0-118458 | -5 | 8 | -5 | 15 | 20 | 19 | 15 | -10 | 18 | 6 | -5 | 270 | 2 | 24 | | |
| 30-44.7411 | -112.3431 | -2-11- | 0-118459 | -5 | 5 | -5 | 21 | -20 | 88 | 12 | -10 | -15 | 15 | -5 | 447 | 2 | 38 | | |
| 30-44.7225 | -112.3658 | -2-12- | 0-118460 | -5 | -5 | -5 | 47 | -20 | 26 | 10 | -10 | -15 | 15 | -5 | 227 | 3 | 35 | | |
| 30-44.7222 | -112.3664 | -2-12- | 0-118461 | -5 | -5 | -5 | 19 | -20 | -15 | 16 | -10 | -15 | 5 | -5 | 188 | 2 | 25 | | |
| 30-44.7275 | -112.3636 | -2-15- | 0-118462 | -5 | -5 | -5 | 21 | -20 | -15 | 16 | -10 | -15 | 14 | -5 | 190 | 2 | 16 | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|-----------------------------------|----------|-----------|---------|-------------|-----------|--|--|-----|------|----|-----|-------|------|-------|----|------|----|----|----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE LAB LOCATION NUMBER | Concentrations: reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 30-44.7247-112.5564-2-11-0-119412 | 26960 | -0.05 | 588 | 20470 | 43 | 164 | 4.6 | 40 | 2.8 | 4 | 0.9 | 14020 | 7.8 | 18540 | 21 | -0.1 | | | | |
| 30-44.7347-112.5650-2-15-0-119413 | 40920 | -0.05 | 461 | 32240 | 56 | -77 | 8.8 | 47 | 3.5 | 5 | 1.3 | 19570 | 11.4 | 16560 | 31 | 0.3 | | | | |
| 30-44.7647-112.5403-2-12-0-119414 | 37090 | -0.06 | 506 | 79630 | 50 | -90 | 6.5 | 46 | 3.0 | 3 | 1.2 | 16250 | 7.4 | 13010 | 20 | 0.3 | | | | |
| 30-44.7564-112.5042-2-12-0-119415 | 32340 | -0.06 | 638 | 31220 | 68 | -66 | 14.3 | 93 | 2.7 | 4 | 1.9 | 37830 | 17.3 | 12580 | 33 | 0.4 | | | | |
| 30-44.7614-112.5206-2-11-0-119416 | 46530 | -0.05 | 553 | 36360 | 63 | -84 | 7.7 | 52 | 4.2 | 5 | 1.0 | 19770 | 9.5 | 18940 | 34 | 0.3 | | | | |
| 30-44.7809-112.5350-2-15-0-119417 | 52230 | -0.06 | 571 | 28270 | 63 | -92 | 9.8 | 51 | 5.5 | 5 | 1.5 | 22690 | 6.1 | 21190 | 28 | 0.3 | | | | |
| 30-44.7764-112.5361-2-15-0-119418 | 53930 | -0.06 | 620 | 16810 | 65 | -86 | 9.3 | 45 | 4.6 | 5 | 1.5 | 21430 | 6.8 | 19490 | 31 | 0.3 | | | | |
| 30-44.7961-112.5209-2-12-0-119419 | 42290 | -0.06 | 642 | 44260 | 90 | -91 | 7.3 | 44 | 4.3 | 4 | 1.8 | 19320 | 18.8 | 16050 | 41 | 0.4 | | | | |
| 30-44.8081-112.4556-2-15-0-119420 | 49360 | -0.05 | 615 | 14970 | 66 | 194 | 5.8 | 55 | -1.4 | 6 | 1.1 | 21410 | 16.6 | 17250 | 37 | 0.3 | | | | |
| 30-44.9319-112.4719-2-12-0-119421 | 42550 | -0.05 | 629 | 37740 | 77 | 218 | 7.1 | 65 | 3.2 | 5 | 1.5 | 20690 | 20.4 | 20970 | 43 | 0.4 | | | | |
| 30-44.8322-112.4728-2-12-0-119422 | 60310 | -0.06 | 839 | 51740 | 88 | -92 | 15.5 | 112 | 4.1 | 4 | 2.0 | 27600 | 6.2 | 17030 | 39 | 0.3 | | | | |
| 30-44.8191-112.5467-2-15-0-119423 | 54080 | -0.07 | 635 | 19390 | 82 | 171 | 12.8 | 73 | 5.6 | 5 | 1.9 | 28900 | 14.7 | 16980 | 43 | 0.5 | | | | |
| 30-44.8279-112.5506-2-15-0-119424 | 62950 | -0.07 | 599 | 21880 | 96 | -100 | 21.7 | 97 | 12.0 | 9 | 1.4 | 35980 | 13.2 | 19510 | 42 | 0.6 | | | | |
| 30-44.8464-112.5514-2-15-0-119425 | 50180 | -0.05 | 531 | 48990 | 45 | 173 | 7.1 | 32 | 4.8 | 4 | 1.2 | 19230 | 5.0 | 13100 | 20 | 0.2 | | | | |
| 30-44.8622-112.5536-2-12-0-119426 | 27250 | -0.05 | 488 | 78790 | 59 | -65 | 7.6 | 76 | 2.9 | 4 | 1.3 | 18040 | 26.1 | 9426 | 28 | 0.4 | | | | |
| 30-44.8606-112.5525-2-15-0-119427 | 54500 | -0.08 | 761 | 39180 | 77 | 210 | 12.2 | 64 | 7.7 | 5 | 1.9 | 30430 | 7.8 | 20630 | 37 | 0.4 | | | | |
| 30-44.8625-112.5581-2-12-0-119428 | 59560 | -0.08 | 966 | 28480 | 112 | 229 | 16.6 | 126 | 6.6 | 10 | 1.7 | 44260 | 45.8 | 17180 | 59 | 0.8 | | | | |
| 30-44.8653-112.5772-2-15-0-119429 | 49890 | -0.05 | 521 | 9413 | 59 | -73 | 6.4 | 51 | 4.5 | 5 | 1.5 | 16450 | 12.3 | 12440 | 35 | 0.3 | | | | |
| 30-44.8692-112.5931-2-15-0-119430 | 61540 | -0.07 | 643 | 32000 | 65 | 255 | 9.7 | 20 | 5.4 | 5 | 1.6 | 27000 | 6.1 | 22080 | 20 | 0.4 | | | | |
| 30-44.8459-112.6667-2-15-0-119431 | 59060 | -0.08 | 767 | 39090 | 80 | 212 | 11.4 | 55 | 7.6 | 5 | 2.0 | 30690 | 7.6 | 20970 | 35 | 0.4 | | | | |
| 30-44.8364-112.5889-2-15-0-119432 | 46140 | -0.06 | 595 | 31810 | 80 | 194 | 6.4 | 48 | 3.3 | 5 | 1.1 | 19120 | 20.4 | 18870 | 39 | 0.3 | | | | |
| 30-44.8172-112.5608-2-15-0-119433 | 51010 | -0.05 | 634 | 28770 | 62 | 179 | 9.7 | 71 | 5.5 | 5 | 1.6 | 25040 | 12.0 | 19220 | 30 | 0.4 | | | | |
| 30-44.7967-112.5550-2-12-0-119434 | 40440 | -0.08 | 738 | 44470 | 128 | 251 | 13.7 | 121 | 4.9 | 8 | 2.2 | 35720 | 36.1 | 15660 | 51 | 0.9 | | | | |
| 30-44.8000-112.5886-2-12-0-119435 | 46250 | -0.08 | 1178 | 56080 | 158 | 313 | 16.2 | 49 | 3.9 | 5 | 2.9 | 40520 | 35.5 | 23640 | 70 | 1.1 | | | | |
| 30-44.7819-112.5503-2-15-0-119436 | 42500 | -0.06 | 525 | 83660 | 45 | -87 | 7.3 | 34 | 2.8 | 4 | 1.0 | 17920 | 5.7 | 14130 | 24 | 0.2 | | | | |
| 30-44.7523-112.5578-2-12-0-119437 | 63000 | -0.05 | 880 | 42490 | 53 | 218 | 6.6 | 29 | 3.5 | 5 | 1.8 | 21350 | 5.8 | 15580 | 26 | 0.3 | | | | |
| 30-44.7406-112.5950-2-15-0-119438 | 54030 | 1.66 | -263 | 34780 | 76 | -149 | 33.2 | 320 | -2.5 | 5 | 1.0 | 82520 | 10.6 | 8135 | 35 | 0.5 | | | | |
| 30-44.7402-112.6056-2-15-0-119439 | 32720 | -0.06 | 578 | 98960 | 51 | -64 | 11.9 | 137 | 2.2 | 5 | 1.4 | 23730 | 13.3 | 12950 | 32 | 0.4 | | | | |
| 30-44.7402-112.6211-2-15-0-119440 | 31710 | -0.04 | 478 | 82060 | 48 | 105 | 4.5 | 33 | 4.5 | 4 | 0.9 | 12700 | 14.5 | 10780 | 24 | 0.3 | | | | |
| 30-44.7347-112.5525-2-12-0-119441 | 16670 | -0.03 | 273 | 90410 | 19 | -51 | 3.3 | 29 | 1.6 | 2 | 0.5 | 6965 | 3.9 | 6752 | 12 | 0.1 | | | | |
| 30-44.7275-112.6436-2-15-0-119442 | 62160 | -0.07 | 615 | 27760 | 73 | 230 | 10.0 | 46 | 5.1 | 5 | 1.7 | 28170 | 10.8 | 17100 | 32 | 0.4 | | | | |
| 30-44.7322-112.6511-2-12-0-119443 | 21450 | -0.05 | 493 | 55310 | 56 | -60 | 5.4 | 44 | 3.4 | 3 | 1.3 | 12700 | 8.6 | 12650 | 33 | 0.2 | | | | |
| 30-44.6875-112.7229-2-12-0-119444 | 22130 | -0.05 | 422 | 72130 | 35 | -76 | 6.6 | 45 | 3.5 | 3 | 0.8 | 12960 | 3.7 | 10530 | 21 | -0.1 | | | | |
| 30-44.7092-112.6819-2-12-0-119445 | 56320 | -0.05 | 773 | 35310 | 71 | -95 | 8.3 | 35 | 3.3 | 3 | 1.8 | 23450 | 10.5 | 16880 | 36 | 0.4 | | | | |
| 30-44.6853-112.6419-2-12-0-119446 | 31700 | -0.04 | 596 | 56410 | 59 | -64 | 3.7 | 31 | 2.2 | 3 | 1.2 | 8592 | 12.4 | 13790 | 26 | 0.3 | | | | |
| 30-44.6553-112.7156-2-11-0-119447 | 25060 | -0.05 | 315 | 21960 | 37 | -47 | 4.6 | 36 | 2.8 | 3 | 1.1 | 15820 | 11.5 | 10340 | 19 | 0.3 | | | | |
| 30-44.6489-112.6642-2-12-0-119448 | 65270 | -0.06 | 773 | 33740 | 69 | -98 | 16.4 | 92 | 4.6 | 5 | 1.5 | 36040 | 8.7 | 19220 | 36 | 0.3 | | | | |
| 30-44.6375-112.6708-2-11-0-119449 | 20470 | -0.05 | 268 | 55730 | 42 | -86 | 8.1 | 45 | 3.1 | 3 | 1.1 | 14430 | 10.0 | 11330 | 20 | 0.3 | | | | |
| 30-44.6886-112.6044-2-15-0-119450 | 38470 | -0.05 | 450 | 16610 | 58 | -67 | 5.1 | 38 | 3.3 | 3 | 1.4 | 14670 | 11.6 | 18030 | 27 | 0.3 | | | | |
| 30-44.6647-112.6928-2-15-0-119451 | 41200 | -0.07 | 568 | 14770 | 79 | -90 | 9.6 | 73 | 4.2 | 3 | 1.8 | 24750 | 19.0 | 18650 | 42 | 0.5 | | | | |
| 30-44.6417-112.5875-2-15-0-119452 | 35530 | -0.04 | 415 | 48980 | 47 | -68 | 4.7 | 24 | 2.1 | 3 | 0.9 | 11940 | 10.8 | 12060 | 26 | 0.2 | | | | |
| 30-44.6447-112.5722-2-12-0-119453 | 29570 | -0.05 | 252 | 55970 | 42 | -69 | 6.3 | 43 | 3.0 | 3 | 1.2 | 14550 | 10.7 | 11000 | 22 | 0.3 | | | | |
| 30-44.6403-112.6675-2-12-0-119454 | 32160 | -0.05 | 430 | 83780 | 51 | -64 | 5.0 | 41 | 3.0 | 4 | 1.2 | 12240 | 14.3 | 13000 | 24 | 0.3 | | | | |
| 30-44.6480-112.6039-2-12-0-119455 | 35070 | -0.05 | 438 | 42260 | 44 | -76 | 4.9 | 38 | -1.2 | 4 | 1.0 | 13370 | 9.0 | 15730 | 29 | 0.2 | | | | |
| 30-44.7267-112.6072-2-12-0-119456 | 53060 | -0.07 | 388 | 33760 | 92 | -130 | 25.8 | 120 | 3.8 | 9 | 2.3 | 51150 | 14.6 | 13000 | 46 | 0.9 | | | | |
| 30-44.7369-112.3103-2-11-0-119457 | 40450 | -0.07 | 704 | 46070 | 49 | 131 | 7.6 | 31 | 4.3 | 3 | 1.2 | 16590 | 4.2 | 11740 | 19 | 0.3 | | | | |
| 30-44.7303-112.3350-2-12-0-119458 | 61540 | -0.07 | 779 | 23210 | 85 | -96 | 11.3 | 33 | 8.3 | 4 | 1.9 | 28340 | 10.5 | 18030 | 44 | 0.3 | | | | |
| 30-44.7411-112.3431-2-11-0-119459 | 60030 | -0.08 | 1223 | 15170 | 82 | -114 | 26.5 | 382 | 4.3 | 7 | 2.2 | 38910 | 16.6 | 21670 | 42 | 0.4 | | | | |
| 30-44.7228-112.2658-2-12-0-119460 | 63760 | -0.06 | 532 | 30470 | 81 | -101 | 19.8 | 103 | 8.3 | 7 | 1.8 | 34040 | 8.3 | 17750 | 36 | 0.5 | | | | |
| 30-44.7222-112.3654-2-12-0-119461 | 60710 | -0.07 | 765 | 22470 | 78 | -97 | 7.7 | 31 | 5.0 | 4 | 1.7 | 21950 | 8.3 | 17920 | 34 | 0.3 | | | | |
| 30-44.7275-112.2936-2-15-0-119462 | 37300 | -0.05 | 423 | 9833 | 54 | -67 | 8.8 | 68 | 5.8 | 3 | 1.6 | 22760 | 11.0 | 13920 | 34 | 0.4 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------------|---|------|------|----|----|------|-------|-----|------|------|-------|----|---|----|---------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | |
| 30-44.7267-112.5564-2-11- | 0-118412 | 4789 | 459 | 4922 | -21 | -1 | 4.7 | 3.4 | -206 | -1 | -1 | 8.0 | 2566 | 36 | 2.6 | -35 | 0.275 | | | | |
| 30-44.7347-112.5550-2-15- | 0-118413 | 6765 | 729 | 6420 | 51 | -1 | 5.9 | 5.4 | -218 | -1 | -1 | 9.9 | 2750 | 50 | 2.8 | -59 | 0.242 | | | | |
| 30-44.7647-112.5403-2-12- | 0-118414 | 8288 | 453 | 5324 | -26 | -1 | 5.5 | 4.4 | -239 | -1 | -1 | 6.2 | 2370 | 45 | 2.4 | -52 | 0.355 | | | | |
| 30-44.7544-112.5042-2-12- | 0-118415 | 6323 | 444 | 9489 | -27 | -1 | 8.9 | 5.9 | -184 | -1 | -1 | 10.3 | 5775 | 103 | 3.6 | 106 | 0.243 | | | | |
| 30-44.7614-112.5206-2-11- | 0-118416 | 10770 | 746 | 7989 | -23 | -1 | 6.7 | 4.2 | -225 | -1 | -1 | 8.6 | 2737 | 53 | 3.2 | -33 | 0.326 | | | | |
| 30-44.7808-112.5250-2-15- | 0-118417 | 11560 | 847 | 7673 | 64 | -1 | 7.8 | 6.2 | -257 | -1 | -1 | 10.8 | 2414 | 63 | 3.5 | 109 | 0.250 | | | | |
| 30-44.7764-112.5261-2-15- | 0-118418 | 9451 | 820 | 5498 | 59 | -2 | 7.1 | 5.2 | -279 | -1 | -1 | 9.2 | 2699 | 62 | 3.7 | 86 | 0.293 | | | | |
| 30-44.7941-112.5208-2-12- | 0-118419 | 8939 | 1111 | 5141 | 109 | -1 | 6.2 | 6.1 | -284 | -1 | -1 | 12.7 | 2279 | 50 | 3.9 | -83 | 0.307 | | | | |
| 30-44.8081-112.4556-2-15- | 0-118420 | 5583 | 430 | 11030 | -22 | -1 | 6.3 | 4.7 | -200 | -1 | -1 | 9.3 | 4927 | 61 | 3.4 | -37 | 0.387 | | | | |
| 30-44.8210-112.4719-2-12- | 0-118421 | 5390 | 513 | 10600 | 65 | -1 | 6.3 | 5.8 | -208 | -1 | -1 | 13.0 | 4751 | 58 | 3.7 | 78 | 0.308 | | | | |
| 30-44.8322-112.4728-2-12- | 0-118422 | 15450 | 680 | 14170 | 52 | -1 | 9.1 | 6.2 | -250 | -1 | -1 | 9.9 | 3720 | 74 | 3.3 | -59 | 0.283 | | | | |
| 30-44.8181-112.5467-2-15- | 0-118423 | 8572 | 694 | 11000 | 83 | 2 | 9.4 | 7.3 | 290 | -1 | -1 | 16.3 | 2589 | 64 | 5.3 | 142 | 0.221 | | | | |
| 30-44.8270-112.5067-2-15- | 0-118424 | 10730 | 728 | 12850 | 80 | -2 | 13.8 | 6.0 | -241 | -1 | -1 | 14.4 | 4508 | 86 | 5.8 | -40 | 0.285 | | | | |
| 30-44.8464-112.5514-2-15- | 0-118425 | 7527 | 542 | 7741 | 61 | -1 | 6.8 | 4.3 | -224 | -1 | -1 | 8.5 | 2054 | 51 | 3.9 | 114 | 0.306 | | | | |
| 30-44.8622-112.5536-2-12- | 0-118426 | 10740 | 498 | 5857 | -19 | -1 | 5.1 | 4.3 | -201 | -1 | -1 | 7.4 | 3297 | 55 | 3.8 | 62 | 0.459 | | | | |
| 30-44.8606-112.5525-2-15- | 0-118427 | 8390 | 703 | 10230 | 85 | -2 | 10.3 | 6.8 | -274 | -1 | -1 | 12.3 | 2994 | 60 | 4.5 | 116 | 0.228 | | | | |
| 30-44.8625-112.5581-2-12- | 0-118428 | 10630 | 1474 | 10700 | -33 | -2 | 13.2 | 7.7 | -350 | -1 | -1 | 16.6 | 11300 | 87 | 7.7 | -43 | 0.313 | | | | |
| 30-44.8667-112.5772-2-15- | 0-118429 | 5018 | 415 | 7023 | 68 | -1 | 6.5 | 5.0 | -185 | -1 | -1 | 10.1 | 2576 | 56 | 2.2 | 68 | 0.376 | | | | |
| 30-44.8692-112.5931-2-15- | 0-118430 | 10850 | 654 | 10830 | 56 | -2 | 9.9 | 5.2 | -262 | -1 | -1 | 9.8 | 2740 | 57 | 2.9 | 112 | 0.245 | | | | |
| 30-44.8458-112.5667-2-15- | 0-118431 | 7750 | 606 | 11700 | 95 | -2 | 10.7 | 6.8 | -234 | -1 | -1 | 14.0 | 3183 | 64 | 3.5 | -120 | 0.221 | | | | |
| 30-44.8364-112.5889-2-15- | 0-118432 | 5990 | 525 | 10520 | -22 | -1 | 7.0 | 4.6 | -206 | -1 | -1 | 11.1 | 4703 | 60 | 3.4 | -34 | 0.396 | | | | |
| 30-44.8172-112.5608-2-15- | 0-118433 | 7078 | 727 | 10420 | 68 | -1 | 8.1 | 5.7 | -232 | -1 | -1 | 11.4 | 2990 | 61 | 4.4 | 70 | 0.246 | | | | |
| 30-44.7967-112.5550-2-12- | 0-118434 | 10290 | 1008 | 11260 | 62 | -2 | 11.0 | 11.3 | -298 | -1 | -1 | 17.7 | 7981 | 81 | 6.5 | 61 | 0.243 | | | | |
| 30-44.8000-112.5886-2-12- | 0-118435 | 15920 | 1045 | 10850 | -32 | -2 | 9.1 | 10.7 | -296 | 3 | -1 | 24.1 | 5109 | 62 | 7.1 | 124 | 0.187 | | | | |
| 30-44.7810-112.5503-2-15- | 0-118436 | 8737 | 618 | 6765 | 37 | -1 | 6.6 | 2.4 | -226 | -1 | -1 | 5.6 | 2193 | 50 | -1.1 | -35 | 0.429 | | | | |
| 30-44.7528-112.5578-2-12- | 0-118437 | 6428 | 745 | 15410 | 62 | -1 | 7.4 | 4.8 | 435 | -1 | -1 | 8.3 | 2989 | 38 | 3.3 | 63 | 0.301 | | | | |
| 30-44.7406-112.5950-2-15- | 0-118438 | 28040 | 2696 | 13650 | -51 | -3 | 28.2 | 6.1 | -522 | -2 | -1 | 10.8 | 6008 | 157 | 6.5 | 147 | 0.231 | | | | |
| 30-44.7403-112.5056-2-15- | 0-118439 | 7366 | 528 | 6647 | -24 | -1 | 7.0 | 4.8 | -195 | -1 | -1 | 8.3 | 2240 | 47 | 3.2 | 63 | 0.229 | | | | |
| 30-44.7403-112.6311-2-15- | 0-118440 | 4674 | 462 | 5867 | -19 | -1 | 3.9 | 3.0 | -181 | -1 | -1 | 7.8 | 2577 | 37 | 2.0 | -28 | 0.333 | | | | |
| 30-44.7347-112.6525-2-12- | 0-118441 | 4742 | 259 | 2819 | -13 | -1 | 2.3 | 1.8 | -122 | -1 | -1 | 2.9 | 923 | 23 | -0.5 | 24 | 0.414 | | | | |
| 30-44.7275-112.6426-2-15- | 0-118442 | 7569 | 716 | 11170 | 74 | -2 | 9.6 | 6.1 | -273 | -1 | -1 | 11.9 | 4086 | 59 | 3.6 | 105 | 0.244 | | | | |
| 30-44.7322-112.6511-2-12- | 0-118443 | 6645 | 430 | 6291 | 50 | -1 | 4.2 | 4.0 | -176 | -1 | -1 | 7.7 | 1988 | 34 | 2.4 | 64 | 0.299 | | | | |
| 30-44.6875-112.7239-2-12- | 0-118444 | 10890 | 464 | 6400 | -20 | -1 | 5.0 | -1.7 | -189 | -1 | -1 | 4.9 | 2087 | 43 | -0.9 | -26 | 0.449 | | | | |
| 30-44.7092-112.6810-2-12- | 0-118445 | 8593 | 604 | 13480 | 79 | -1 | 6.8 | 6.0 | -210 | -1 | -1 | 11.3 | 2752 | 57 | 5.2 | 77 | 0.310 | | | | |
| 30-44.6853-112.6419-2-12- | 0-118446 | 8661 | 358 | 6450 | -17 | -1 | 3.3 | 3.7 | -187 | -1 | -1 | 7.0 | 1898 | 31 | 2.3 | -19 | 0.414 | | | | |
| 30-44.6553-112.7156-2-11- | 0-118447 | 4221 | 346 | 4233 | 43 | -1 | 4.3 | 3.4 | -151 | -1 | -1 | 6.1 | 1733 | 31 | 2.3 | 96 | 0.295 | | | | |
| 30-44.6489-112.6642-2-12- | 0-118448 | 12170 | 856 | 13760 | -28 | -2 | 14.1 | 3.9 | -243 | -1 | 1 | 5.9 | 4130 | 129 | -1.2 | -41 | 0.492 | | | | |
| 30-44.6375-112.6708-2-11- | 0-118449 | 8497 | 1289 | 4109 | 37 | -1 | 4.9 | 3.5 | -282 | -1 | -1 | 7.2 | 1262 | 39 | 3.1 | 54 | 0.375 | | | | |
| 30-44.6886-112.6044-2-15- | 0-118450 | 5693 | 611 | 5918 | -19 | -1 | 4.7 | 4.6 | -227 | -1 | -1 | 7.7 | 2150 | 43 | 3.4 | 110 | 0.312 | | | | |
| 30-44.6647-112.5028-2-15- | 0-118451 | 5864 | 821 | 6973 | 56 | -2 | 7.5 | 6.1 | -249 | -1 | -1 | 12.5 | 3040 | 50 | 4.2 | 140 | 0.240 | | | | |
| 30-44.6417-112.5975-2-15- | 0-118452 | 6945 | 672 | 4909 | -18 | -1 | 4.2 | 3.4 | -200 | -1 | -1 | 6.7 | 2043 | 48 | 2.3 | -26 | 0.463 | | | | |
| 30-44.6447-112.5722-2-12- | 0-118453 | 9000 | 924 | 4385 | 41 | -1 | 4.7 | 3.5 | -262 | -1 | -1 | 6.8 | 1818 | 37 | 2.4 | 68 | 0.397 | | | | |
| 30-44.6403-112.5675-2-12- | 0-118454 | 9021 | 369 | 5330 | 45 | -1 | 4.2 | 4.5 | -187 | -1 | -1 | 8.3 | 2092 | 41 | 2.3 | 42 | 0.361 | | | | |
| 30-44.6489-112.5029-2-12- | 0-118455 | 8009 | 400 | 7638 | -19 | -1 | 4.4 | 2.8 | -183 | -1 | -1 | 6.6 | 1907 | 39 | -0.9 | -28 | 0.379 | | | | |
| 30-44.7347-112.2972-2-12- | 0-118456 | 18690 | 1931 | 13430 | 66 | -2 | 17.2 | 10.1 | -344 | 2 | 2 | 13.6 | 5686 | 121 | 7.7 | | 0.235 | | | | |
| 30-44.7369-112.2103-2-11- | 0-118457 | 9541 | 589 | 4030 | 65 | -2 | 6.0 | 3.7 | -265 | -1 | -1 | 6.2 | 1897 | 71 | 3.1 | 126 | 0.532 | | | | |
| 30-44.7303-112.2350-2-12- | 0-118458 | 9648 | 1853 | 7642 | 101 | -2 | 8.4 | 6.3 | -381 | -1 | -1 | 15.0 | 3187 | 61 | 4.5 | 123 | 0.220 | | | | |
| 30-44.7411-112.3431-2-11- | 0-118459 | 12170 | 866 | 14140 | -33 | -2 | 12.5 | 4.3 | -282 | -1 | -1 | 8.9 | 5351 | 103 | 5.0 | -45 | 0.697 | | | | |
| 30-44.7229-112.3658-2-12- | 0-118460 | 11250 | 731 | 13520 | 78 | -1 | 11.4 | 7.5 | -233 | -1 | -1 | 11.9 | 3672 | 82 | 5.3 | 88 | 0.202 | | | | |
| 30-44.7222-112.2664-2-12- | 0-118461 | 8095 | 1645 | 7230 | 69 | -1 | 6.5 | 5.2 | -388 | -1 | -1 | 11.6 | 2545 | 67 | 3.1 | 113 | 0.293 | | | | |
| 30-44.7275-112.2936-2-15- | 0-118462 | 4518 | 719 | 4750 | -20 | -2 | 7.8 | 4.8 | -263 | -1 | -1 | 9.0 | 2481 | 55 | -1.4 | 189 | 0.322 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

①

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-----------|--|--------------|------|-----------------|-------------------|----------------------------|----------------------|----|--|--------------------------|-----------|------------|---------------|----------------|-----------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY ¹ (umho/cm) | SCHLUMMETER (eU, ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-44.6630 | -112.3830 | -2-12- | 0-118443 | -10/03/76 | -12- | 8 | 7.2 | - | 5.7 | 450 | 7-1-4-4-6-3-3-1-2-3-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.7122 | -112.3875 | -2-12- | 0-118444 | -10/03/76 | -12- | 8 | 7.8 | - | 5.9 | 400 | 13-4-3-6-2-3-1-2-3-3-2-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 30-44.7147 | -112.3908 | -2-12- | 0-118445 | -10/03/76 | -12- | 8 | 6.0 | - | 5.7 | 420 | 11-4-3-6-2-3-1-2-3-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | |
| 30-44.7172 | -112.3933 | -2-12- | 0-118446 | -10/03/76 | -12- | 8 | 6.2 | - | 5.9 | 310 | 5-1-4-3-6-2-3-1-2-3-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | |
| 30-44.7194 | -112.3972 | -2-12- | 0-118447 | -10/03/76 | -12- | 8 | 6.0 | - | 5.7 | 410 | 7-1-4-3-6-2-3-1-2-3-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | | |
| 30-44.7334 | -112.4125 | -2-15- | 0-118448 | -10/02/76 | -13- | 8 | - | - | - | - | 9-1-4-4-6-6-1-2-3-3-4-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 30-44.7364 | -112.4117 | -2-12- | 0-118449 | -10/02/76 | -13- | 8 | 7.2 | - | 5.7 | 320 | 7-4-3-6-3-3-1-2-4-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 30-44.7113 | -112.4233 | -2-11- | 0-118470 | -10/02/76 | -13- | 8 | 9.6 | - | 5.5 | 480 | 5-1-1-4-6-4-3-1-2-4-3-4-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.7309 | -112.4230 | -2-12- | 0-118471 | -10/02/76 | -12- | 8 | 7.8 | - | 5.7 | 330 | 7-4-6-6-2-3-3-1-4-4-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 30-44.7225 | -112.4133 | -2-15- | 0-118472 | -10/02/76 | -14- | 8 | - | - | - | - | 11-4-4-6-6-1-2-3-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 30-44.7260 | -112.4742 | -2-12- | 0-118473 | -10/02/76 | -14- | 8 | 7.8 | - | 5.6 | 340 | 7-4-4-6-3-3-1-2-4-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | | |
| 30-44.7519 | -112.4539 | -2-12- | 0-118474 | -10/02/76 | -14- | 9 | 7.8 | - | 5.7 | 300 | 7-4-3-6-3-3-1-2-3-4-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 30-44.7597 | -112.2867 | -2-12- | 0-118475 | -10/02/76 | -13- | 10 | 8.5 | - | 5.9 | 340 | 7-4-6-6-3-3-1-2-4-3-4-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 30-44.7742 | -112.3806 | -2-12- | 0-118476 | -10/02/76 | -13- | 10 | 8.5 | - | 5.9 | 360 | 16-4-5-6-3-4-1-2-3-3-4-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 30-44.6956 | -112.4761 | -2-15- | 0-118477 | -10/02/76 | -14- | 10 | - | - | - | - | 5-4-4-6-6-1-2-3-2-4-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | | |
| 30-44.6756 | -112.4678 | -2-15- | 0-118478 | -10/02/76 | -14- | 10 | - | - | - | - | 9-1-7-3-6-6-1-2-3-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 30-44.6797 | -112.4578 | -2-11- | 0-118479 | -10/02/76 | -14- | 10 | 12.0 | - | 5.7 | 310 | 3-1-7-2-6-3-3-1-3-4-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | | |
| 30-44.6806 | -112.4550 | -2-11- | 0-118480 | -10/02/76 | -14- | 10 | 8.5 | - | 5.7 | 370 | 9-1-1-3-1-3-3-1-3-4-3-4-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 30-44.6847 | -112.4425 | -2-15- | 0-118481 | -10/02/76 | -14- | 11 | - | - | - | - | 7-1-1-3-6-6-1-2-4-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 30-44.6931 | -112.4222 | -2-11- | 0-118482 | -10/02/76 | -15- | 11 | 12.0 | - | 5.9 | 360 | 5-4-6-6-2-3-1-4-3-3-3 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | |
| 30-44.6653 | -112.4536 | -2-15- | 0-118483 | -10/02/76 | -15- | 12 | - | - | - | - | 5-4-4-6-6-1-2-3-2-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 30-44.5902 | -112.5825 | -2-15- | 0-118484 | -10/02/76 | -15- | 12 | - | - | - | - | 7-4-4-6-6-1-2-4-4-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 30-44.6119 | -112.6208 | -2-15- | 0-118485 | -10/02/76 | -15- | 12 | - | - | - | - | 9-4-4-6-6-1-2-3-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.5700 | -112.6197 | -2-15- | 0-118486 | -10/02/76 | -15- | 13 | - | - | - | - | 7-4-4-6-6-1-2-3-3-4-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | |
| 30-44.6067 | -112.5225 | -2-12- | 0-118487 | -10/02/76 | -16- | 13 | 14.0 | - | 5.7 | 310 | 5-4-1-5-6-2-3-1-2-4-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | | |
| 30-44.6036 | -112.5281 | -2-15- | 0-118488 | -10/02/76 | -16- | 13 | - | - | - | - | 13-4-4-6-6-1-2-4-2-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | |
| 30-44.5992 | -112.5186 | -2-15- | 0-118489 | -10/02/76 | -16- | 13 | - | - | - | - | 7-4-4-6-6-1-2-4-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | | |
| 30-44.5858 | -112.5631 | -2-12- | 0-118490 | -10/02/76 | -16- | 11 | 10.5 | - | 5.7 | 430 | 3-4-5-6-2-3-1-2-4-2-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.10 | | | | |
| 30-44.5706 | -112.5614 | -2-12- | 0-118491 | -10/02/76 | -16- | 11 | 8.5 | - | 5.7 | 250 | 5-4-3-6-3-3-1-2-4-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 30-44.6000 | -112.4892 | -2-12- | 0-118492 | -10/02/76 | -17- | 11 | 9.5 | - | 5.7 | 400 | 11-4-4-6-3-3-1-2-3-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 30-44.6603 | -112.4197 | -2-15- | 0-118493 | -10/02/76 | -17- | 12 | - | - | - | - | 5-1-4-4-6-6-1-2-4-2-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | |
| 30-44.6583 | -112.3897 | -2-11- | 0-118494 | -10/02/76 | -17- | 11 | 11.5 | - | 5.7 | 330 | 7-1-4-3-4-3-3-1-2-4-4-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 30-44.6575 | -112.3750 | -2-12- | 0-118495 | -10/02/76 | -18- | 12 | 11.5 | - | 5.7 | 360 | 11-1-1-3-6-3-3-1-2-4-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 30-44.6586 | -112.2229 | -2-12- | 0-118496 | -10/02/76 | -18- | 12 | 12.0 | - | 5.8 | 360 | 13-1-1-6-6-3-3-1-2-3-3-2-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 30-44.6583 | -112.2869 | -2-12- | 0-118497 | -10/02/76 | -18- | 12 | - | - | - | - | 5-4-3-6-6-2-1-2-4-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.90 | | | |
| 30-44.6647 | -112.2819 | -2-15- | 0-118498 | -10/02/76 | -18- | 12 | - | - | - | - | 3-4-3-6-6-1-2-3-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 30-44.6756 | -112.2872 | -2-11- | 0-118499 | -10/02/76 | -18- | 10 | 10.5 | - | 5.7 | 380 | 5-4-5-6-3-3-1-2-3-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | | |
| 30-44.6733 | -112.1811 | -2-12- | 0-118500 | -10/02/76 | -9 | 3 | 2.8 | - | 5.9 | 550 | 11-4-4-6-2-3-1-2-4-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 30-44.6814 | -112.1823 | -2-12- | 0-118501 | -10/02/76 | -9 | 3 | 3.2 | - | 6.1 | 380 | 7-4-4-6-2-3-1-2-4-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | | |
| 30-44.6703 | -112.1314 | -2-12- | 0-118502 | -10/02/76 | -10 | 4 | 5.0 | - | 5.9 | 460 | 7-4-4-6-2-3-1-2-4-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 30-44.6747 | -112.1008 | -2-12- | 0-118503 | -10/02/76 | -10 | 5 | 5.6 | - | 5.7 | 280 | 7-4-3-6-2-3-1-2-4-3-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.30 | | | |
| 30-44.5575 | -112.3208 | -2-15- | 0-118504 | -10/04/76 | -10 | 6 | - | - | - | - | 7-4-4-6-6-1-2-4-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 30-44.5594 | -112.2292 | -2-15- | 0-118505 | -10/04/76 | -10 | 6 | - | - | - | - | 5-4-5-6-6-1-2-4-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.20 | | | |
| 30-44.5653 | -112.3766 | -2-15- | 0-118506 | -10/04/76 | -12 | 11 | - | - | - | - | 11-3-6-3-6-6-1-2-4-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.5514 | -112.4358 | -2-95- | 0-118507 | -10/04/76 | -12 | 12 | - | - | - | - | 13-6-6-6-6-1-3-3-3-4-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | |
| 30-44.4875 | -112.3783 | -2-12- | 0-118508 | -10/04/76 | -12 | 13 | 6.0 | - | 5.7 | 280 | 7-4-3-6-3-3-1-2-1-2-4-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.40 | | | |
| 30-44.5244 | -112.3228 | -2-12- | 0-118509 | -10/04/76 | -12 | 14 | 5.8 | - | 5.7 | 320 | 11-4-3-6-3-3-1-2-3-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.5253 | -112.3222 | -2-12- | 0-118510 | -10/04/76 | -12 | 14 | 6.4 | - | 5.9 | 420 | 9-4-4-6-3-3-1-2-3-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 30-44.5106 | -112.4126 | -2-12- | 0-118511 | -10/04/76 | -12 | 15 | 7.0 | - | 5.7 | 350 | 11-4-3-6-2-3-2-2-3-3-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | |
| 30-44.5458 | -112.4163 | -2-12- | 0-118512 | -10/04/76 | -12 | 15 | 6.8 | - | 5.9 | 320 | 7-4-4-6-3-3-1-2-3-2-3-2 | -3 | - | - | - | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|-----------|-----------|----------|-------------|-----------|----------------------------|---|-----|-----|----|-----|-----|----|----|-----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sr | W | As | Se | Zr | Be | Li | |
| 30-44.6930 | -112.3839 | -2-12- | 0-118443 | -5 | -5 | -5 | 20 | -20 | -15 | 6 | -10 | -15 | 9 | -5 | 236 | 1 | 21 | | | | |
| 30-44.7122 | -112.2875 | -2-12- | 0-118444 | -5 | -5 | -5 | 20 | -20 | 29 | 11 | -10 | -15 | 7 | -5 | 267 | 2 | 27 | | | | |
| 30-44.7147 | -112.2908 | -2-12- | 0-118445 | -5 | -5 | -5 | 23 | -20 | -15 | 5 | -10 | -15 | 14 | -5 | 249 | 2 | 28 | | | | |
| 30-44.7172 | -112.3883 | -2-12- | 0-118446 | -5 | -5 | -5 | 10 | -20 | -15 | 7 | -10 | -15 | 16 | -5 | 205 | 1 | 18 | | | | |
| 30-44.7194 | -112.3672 | -2-12- | 0-118447 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 20 | -5 | 191 | 1 | 15 | | | | |
| 30-44.7394 | -112.4125 | -2-15- | 0-118448 | -5 | -5 | -5 | 10 | -20 | -15 | -5 | -10 | -15 | 28 | -5 | 171 | 2 | 20 | | | | |
| 30-44.7364 | -112.4117 | -2-12- | 0-118449 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 16 | -5 | 209 | 1 | 12 | | | | |
| 30-44.7182 | -112.4223 | -2-11- | 0-118470 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | 12 | -15 | 14 | -5 | 458 | -1 | 9 | | | | |
| 30-44.7308 | -112.4200 | -2-12- | 0-118471 | -5 | -5 | -5 | -10 | -20 | 25 | 11 | -10 | -15 | -5 | -5 | 281 | 2 | 21 | | | | |
| 30-44.7225 | -112.4233 | -2-15- | 0-118472 | -5 | -5 | -5 | 28 | -20 | 17 | 19 | -10 | -15 | 13 | -5 | 224 | 2 | 25 | | | | |
| 30-44.7260 | -112.4742 | -2-12- | 0-118473 | -5 | -5 | -5 | 13 | -20 | -15 | 8 | -10 | -15 | 5 | -5 | 201 | 1 | 15 | | | | |
| 30-44.7510 | -112.4939 | -2-12- | 0-118474 | -5 | -5 | -5 | 10 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 297 | 1 | 19 | | | | |
| 30-44.7597 | -112.3867 | -2-12- | 0-118475 | -5 | -5 | -5 | 34 | 30 | 18 | 8 | -10 | -15 | 14 | -5 | 232 | 2 | 26 | | | | |
| 30-44.7742 | -112.3066 | -2-12- | 0-118476 | -5 | -5 | -5 | 25 | -20 | 16 | 7 | -10 | -15 | 7 | -5 | 203 | 2 | 25 | | | | |
| 30-44.6856 | -112.4761 | -2-15- | 0-118477 | -5 | -5 | -5 | 16 | -20 | -15 | 15 | -10 | -15 | 15 | -5 | 154 | 1 | 14 | | | | |
| 30-44.6756 | -112.4678 | -2-15- | 0-118478 | -5 | -5 | -5 | 23 | -20 | 22 | 9 | -10 | -15 | 25 | -5 | 153 | ? | 27 | | | | |
| 30-44.6797 | -112.4578 | -2-11- | 0-118479 | -5 | -5 | -5 | 13 | -20 | -15 | -5 | -10 | -15 | 13 | -5 | 248 | -1 | 14 | | | | |
| 30-44.6806 | -112.4450 | -2-11- | 0-118480 | -5 | -5 | -5 | 14 | -20 | -15 | -5 | -10 | -15 | 9 | -5 | 228 | -1 | 11 | | | | |
| 30-44.6847 | -112.4425 | -2-15- | 0-118481 | -5 | -5 | -5 | 17 | -20 | -15 | 13 | -10 | -15 | 7 | -5 | 230 | 1 | 27 | | | | |
| 30-44.6931 | -112.4222 | -2-11- | 0-118482 | -5 | -5 | -5 | 11 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 224 | 1 | 9 | | | | |
| 30-44.6653 | -112.4336 | -2-15- | 0-118483 | -5 | -5 | -5 | 26 | -20 | -15 | 14 | -10 | -15 | 14 | -5 | 273 | 2 | 15 | | | | |
| 30-44.5903 | -112.5828 | -2-15- | 0-118484 | -5 | -5 | -5 | 16 | -20 | 18 | 14 | -10 | -15 | 10 | -5 | 144 | 1 | 24 | | | | |
| 30-44.6119 | -112.6208 | -2-15- | 0-118485 | -5 | -5 | -5 | 17 | -20 | 18 | 18 | -10 | -15 | -5 | -5 | 210 | 2 | 21 | | | | |
| 30-44.5700 | -112.6197 | -2-15- | 0-118486 | -5 | -5 | -5 | 12 | -20 | -15 | 6 | -10 | -15 | 18 | -5 | 142 | 1 | 27 | | | | |
| 30-44.6067 | -112.5625 | -2-12- | 0-118487 | -5 | -5 | -5 | 17 | 29 | 29 | 11 | -10 | -15 | -5 | -5 | 138 | 1 | 20 | | | | |
| 30-44.6036 | -112.5281 | -2-15- | 0-118488 | -5 | -5 | -5 | 21 | -20 | 15 | 7 | -10 | -15 | 10 | -5 | 245 | 1 | 14 | | | | |
| 30-44.5892 | -112.5186 | -2-15- | 0-118489 | -5 | -5 | -5 | 11 | -20 | -15 | 6 | -10 | -15 | 5 | -5 | 192 | 1 | 10 | | | | |
| 30-44.5858 | -112.5031 | -2-12- | 0-118490 | -5 | -5 | -5 | 19 | 25 | -15 | 7 | -10 | -15 | 5 | -5 | 115 | 2 | 17 | | | | |
| 30-44.5700 | -112.5142 | -2-12- | 0-118491 | -5 | -5 | -5 | -10 | -20 | -15 | 6 | -10 | -15 | 5 | -5 | 299 | 1 | 17 | | | | |
| 30-44.6000 | -112.4892 | -2-12- | 0-118492 | -5 | -5 | -5 | 13 | -20 | -15 | -5 | -10 | -15 | 10 | -5 | 249 | 2 | 14 | | | | |
| 30-44.6602 | -112.4197 | -2-15- | 0-118493 | -5 | -5 | -5 | 26 | -20 | -15 | 11 | -10 | -15 | 26 | 13 | 237 | 2 | 20 | | | | |
| 30-44.6583 | -112.3497 | -2-11- | 0-118494 | -5 | -5 | -5 | 10 | -20 | 17 | -5 | -10 | -15 | 5 | -5 | 317 | -1 | 9 | | | | |
| 30-44.6575 | -112.3250 | -2-12- | 0-118495 | -5 | -5 | -5 | 19 | -20 | -15 | -5 | -10 | -15 | 20 | 8 | 381 | -1 | 18 | | | | |
| 30-44.6586 | -112.3228 | -2-12- | 0-118496 | -5 | -5 | -5 | 18 | -20 | -15 | -5 | -10 | -15 | 5 | -5 | 249 | -1 | 22 | | | | |
| 30-44.6583 | -112.2969 | -2-12- | 0-118497 | -5 | -5 | -5 | 11 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 208 | -1 | 10 | | | | |
| 30-44.6647 | -112.2819 | -2-15- | 0-118498 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 245 | -1 | 17 | | | | |
| 30-44.6756 | -112.2472 | -2-11- | 0-118499 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 222 | -1 | 14 | | | | |
| 30-44.6733 | -112.1611 | -2-12- | 0-118500 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 8 | -5 | 427 | -1 | 21 | | | | |
| 30-44.6814 | -112.1633 | -2-12- | 0-118501 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 9 | -5 | 973 | -1 | 7 | | | | |
| 30-44.6702 | -112.1214 | -2-12- | 0-118502 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 8 | -5 | 237 | -1 | 12 | | | | |
| 30-44.6347 | -112.1508 | -2-12- | 0-118503 | -5 | -5 | -5 | 12 | -20 | -15 | 6 | -10 | -15 | 7 | -5 | 582 | 1 | 22 | | | | |
| 30-44.5575 | -112.3208 | -2-15- | 0-118504 | -5 | -5 | -5 | 16 | 33 | -15 | 11 | -10 | -15 | -5 | -5 | 116 | -1 | 14 | | | | |
| 30-44.5594 | -112.3292 | -2-15- | 0-118505 | -5 | -5 | -5 | 16 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 200 | 1 | 20 | | | | |
| 30-44.5653 | -112.2786 | -2-15- | 0-118506 | -5 | -5 | -5 | 11 | -20 | -15 | 10 | -10 | -15 | 8 | -5 | 261 | 2 | 34 | | | | |
| 30-44.5514 | -112.4058 | -2-99- | 0-118507 | -5 | -5 | -5 | 16 | -20 | 16 | 8 | -10 | -15 | -5 | -5 | 176 | 1 | 27 | | | | |
| 30-44.4875 | -112.3783 | -2-12- | 0-118508 | -5 | -5 | -5 | 17 | -20 | -15 | 8 | -10 | -15 | 6 | -5 | 744 | -1 | 21 | | | | |
| 30-44.5344 | -112.3828 | -2-12- | 0-118509 | -5 | -5 | -5 | -10 | -20 | -15 | 12 | -10 | -15 | -5 | -5 | 227 | 1 | 17 | | | | |
| 30-44.5353 | -112.3822 | -2-12- | 0-118510 | -5 | -5 | -5 | 15 | -20 | -15 | 7 | -10 | -15 | 5 | -5 | 205 | 2 | 23 | | | | |
| 30-44.5106 | -112.4136 | -2-12- | 0-118511 | -5 | -5 | -5 | 16 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 333 | 1 | 25 | | | | |
| 30-44.5458 | -112.4103 | -2-12- | 0-118512 | -5 | -5 | -5 | -10 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 176 | 1 | 23 | | | | |
| 30-44.5461 | -112.4094 | -2-12- | 0-118513 | -5 | -5 | -5 | 15 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 311 | 1 | 17 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|--|---|------|----|------|----|-----|-------|------|-------|----|------|----|----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 30-44.6939-112.3839-2-12- | 0-118463 | 41140 | -0.06 | 327 | 49130 | 44 | -75 | 8.2 | 45 | 5.1 | 4 | 0.8 | 17680 | 9.2 | 12320 | 25 | 0.3 | | | |
| 30-44.7122-112.3875-2-12- | 0-118464 | 40940 | -0.05 | 347 | 54860 | 45 | -76 | 8.9 | 83 | 4.4 | 4 | 1.1 | 19360 | 9.8 | 13110 | 26 | 0.3 | | | |
| 30-44.7147-112.3908-2-12- | 0-118465 | 43550 | -0.07 | 478 | 50100 | 56 | -68 | 9.4 | 50 | 4.4 | 4 | 1.4 | 19820 | 12.4 | 11740 | 27 | 0.4 | | | |
| 30-44.7172-112.3883-2-12- | 0-118466 | 25500 | -0.07 | 237 | 78620 | 73 | 160 | 9.7 | 47 | 4.8 | 3 | 1.4 | 21060 | 9.7 | 14710 | 37 | 0.3 | | | |
| 30-44.7194-112.3872-2-12- | 0-118467 | 27280 | -0.04 | 325 | 108100 | 44 | 151 | 5.9 | 24 | -1.1 | 3 | 0.8 | 13190 | 6.6 | 13640 | 27 | 0.2 | | | |
| 30-44.7394-112.4125-2-15- | 0-118468 | 29180 | -0.05 | 491 | 108200 | 51 | 207 | 6.9 | 40 | 4.7 | 4 | 1.3 | 17560 | 6.1 | 18140 | 25 | 0.3 | | | |
| 30-44.7364-112.4117-2-12- | 0-118469 | 28700 | -0.05 | 293 | 129200 | 46 | 162 | 5.2 | 33 | 2.4 | 3 | 0.9 | 12150 | 7.9 | 9644 | 24 | 0.3 | | | |
| 30-44.7193-112.4233-2-11- | 0-118470 | 10140 | -0.05 | 249 | 50890 | 58 | -43 | 6.6 | 58 | 4.6 | 4 | 1.1 | 20820 | 22.4 | 8148 | 32 | 0.4 | | | |
| 30-44.7308-112.4200-2-12- | 0-118471 | 42180 | -0.05 | 498 | 40630 | 44 | 112 | 5.1 | 57 | 3.6 | 4 | 1.0 | 16840 | 11.9 | 13280 | 28 | 0.3 | | | |
| 30-44.7225-112.4733-2-15- | 0-118472 | 51220 | -0.06 | 590 | 9950 | 61 | -91 | 10.5 | 64 | 5.2 | 4 | 1.7 | 24520 | 8.0 | 18390 | 33 | 0.3 | | | |
| 30-44.7269-112.4742-2-12- | 0-118473 | 37820 | -0.06 | 486 | 60040 | 51 | -64 | 5.6 | 38 | 3.2 | 4 | 1.3 | 14840 | 7.4 | 14930 | 24 | 0.3 | | | |
| 30-44.7519-112.4839-2-12- | 0-118474 | 42110 | -0.06 | 547 | 35770 | 72 | 140 | 9.5 | 63 | 4.4 | 4 | 1.7 | 23220 | 14.1 | 16180 | 32 | 0.4 | | | |
| 30-44.7597-112.3867-2-12- | 0-118475 | 53520 | -0.06 | 633 | 26780 | 46 | -91 | 8.0 | 39 | 3.8 | 5 | 1.1 | 19790 | 7.8 | 21710 | 26 | -0.1 | | | |
| 30-44.7742-112.3506-2-12- | 0-118476 | 64070 | -0.06 | 791 | 30040 | 69 | 328 | 11.4 | 55 | 4.8 | 6 | 1.9 | 28420 | 8.5 | 22210 | 34 | 0.4 | | | |
| 30-44.6856-112.4761-2-15- | 0-118477 | 42100 | -0.05 | 418 | 94820 | 54 | -94 | 9.5 | 48 | 3.9 | 3 | 1.1 | 24120 | 6.9 | 11150 | 25 | 0.2 | | | |
| 30-44.6756-112.4678-2-15- | 0-118478 | 47930 | -0.08 | 382 | 77140 | 74 | -76 | 16.2 | 66 | 5.3 | 4 | 1.6 | 32400 | 7.4 | 12320 | 36 | 0.4 | | | |
| 30-44.6797-112.4578-2-11- | 0-118479 | 22680 | -0.04 | 227 | 66770 | 26 | -56 | 4.7 | 36 | 1.6 | 3 | 0.4 | 12160 | 9.6 | 5847 | 15 | 0.2 | | | |
| 30-44.6806-112.4450-2-11- | 0-118480 | 26270 | -0.04 | 237 | 85540 | 39 | -53 | 5.8 | 37 | 2.1 | 5 | 1.2 | 10090 | 9.7 | 14710 | 20 | 0.3 | | | |
| 30-44.6847-112.4425-2-15- | 0-118481 | 39980 | -0.06 | 560 | 69780 | 57 | -126 | 9.2 | 56 | 4.2 | 3 | 1.3 | 19080 | 8.0 | 16110 | 25 | 0.4 | | | |
| 30-44.6931-112.4222-2-11- | 0-118482 | 35260 | -0.08 | 455 | 6630 | 60 | 145 | 6.6 | 48 | -1.9 | 4 | 1.4 | 15950 | 11.9 | 13410 | 29 | 0.3 | | | |
| 30-44.6653-112.4236-2-15- | 0-118483 | 44820 | -0.06 | 559 | 7844 | 70 | -96 | 8.4 | 35 | 3.6 | 6 | 1.2 | 20880 | 10.7 | 20780 | 32 | 0.3 | | | |
| 30-44.5903-112.5828-2-15- | 0-118484 | 43290 | -0.05 | 376 | 36070 | 45 | -70 | 8.2 | 62 | 4.1 | 4 | 1.1 | 17990 | 5.4 | 14210 | 25 | 0.3 | | | |
| 30-44.6119-112.6203-2-15- | 0-118485 | 62840 | -0.06 | 739 | 32760 | 73 | 230 | 7.4 | 65 | 4.0 | 5 | 1.8 | 22480 | 8.8 | 20640 | 33 | 0.5 | | | |
| 30-44.5700-112.6197-2-15- | 0-118486 | 44420 | -0.07 | 363 | 96720 | 67 | -60 | 12.1 | 81 | 6.9 | 4 | 1.7 | 26910 | 6.4 | 15540 | 31 | 0.4 | | | |
| 30-44.6067-112.5825-2-12- | 0-118487 | 24650 | -0.06 | 267 | 100500 | 25 | -71 | 5.6 | 35 | 2.5 | 4 | 0.8 | 16530 | 3.7 | 7806 | 26 | 0.2 | | | |
| 30-44.6036-112.5791-2-15- | 0-118488 | 34640 | -0.04 | 344 | 7368 | 48 | -65 | 6.4 | 48 | 3.4 | 4 | 1.1 | 14920 | 9.3 | 11580 | 22 | 0.3 | | | |
| 30-44.5802-112.5186-2-15- | 0-118489 | 29290 | -0.05 | 357 | 9597 | 46 | -45 | 4.2 | 27 | 3.3 | 3 | 1.1 | 11720 | 8.1 | 9020 | 17 | 0.3 | | | |
| 30-44.5858-112.5031-2-12- | 0-118490 | 40450 | -0.08 | 719 | 125200 | 66 | 123 | 7.4 | 45 | 5.5 | 3 | 1.4 | 19980 | 5.9 | 12080 | 26 | 0.3 | | | |
| 30-44.5700-112.5614-2-12- | 0-118491 | 46260 | -0.05 | 698 | 30120 | 62 | -75 | 4.7 | 26 | 2.5 | 4 | 1.0 | 13390 | 10.9 | 15800 | 33 | 0.2 | | | |
| 30-44.6000-112.4882-2-12- | 0-118492 | 40230 | -0.04 | 689 | 32700 | 63 | -90 | 4.5 | 20 | 2.9 | 3 | 1.3 | 11990 | 10.6 | 11940 | 33 | 0.3 | | | |
| 30-44.6603-112.4197-2-15- | 0-118493 | 51230 | -0.06 | 525 | 47380 | 85 | 164 | 11.5 | 75 | 3.6 | 5 | 1.7 | 26400 | 9.8 | 24500 | 32 | 0.5 | | | |
| 30-44.6583-112.3497-2-11- | 0-118494 | 20670 | -0.05 | 322 | 135600 | 61 | 129 | 5.5 | 47 | -1.1 | 4 | 1.2 | 16610 | 17.0 | 13470 | 33 | 0.4 | | | |
| 30-44.6575-112.3250-2-12- | 0-118495 | 31420 | -0.05 | 453 | 92300 | 57 | 130 | 7.8 | 69 | 1.9 | 5 | 1.3 | 16800 | 14.7 | 17680 | 28 | 0.4 | | | |
| 30-44.6586-112.3228-2-12- | 0-118496 | 29120 | -0.06 | 453 | 82320 | 66 | 152 | 6.4 | 50 | 3.3 | 4 | 1.4 | 17090 | 10.6 | 19470 | 27 | 0.4 | | | |
| 30-44.6583-112.2969-2-12- | 0-118497 | 19870 | -0.05 | 370 | 170000 | 39 | 149 | 5.6 | 24 | -1.3 | 3 | 0.9 | 17510 | 10.4 | 8171 | 23 | 0.3 | | | |
| 30-44.6647-112.2819-2-15- | 0-118498 | 18830 | -0.04 | 165 | 107000 | 25 | -66 | 4.9 | 29 | -1.1 | 3 | 0.6 | 12220 | 12.3 | 5002 | 10 | 0.2 | | | |
| 30-44.6756-112.2472-2-11- | 0-118499 | 18160 | -0.03 | 395 | 37650 | 29 | -52 | 2.4 | 30 | 1.6 | 4 | 0.9 | 5974 | 9.3 | 10670 | 16 | 0.3 | | | |
| 30-44.6733-112.1611-2-12- | 0-118500 | 22080 | -0.05 | 639 | 69420 | 98 | -70 | 3.7 | 24 | 2.0 | 3 | 1.4 | 12050 | 21.5 | 12310 | 44 | 0.4 | | | |
| 30-44.6914-112.1633-2-12- | 0-118501 | 14070 | -0.05 | 193 | 43440 | 65 | -37 | 4.0 | 39 | 1.6 | 4 | 1.5 | 9605 | 53.2 | 4268 | 31 | 0.5 | | | |
| 30-44.6703-112.1214-2-12- | 0-118502 | 20870 | -0.04 | 312 | 54140 | 34 | -56 | 3.3 | 16 | -0.9 | 3 | 1.0 | 8839 | 9.1 | 6774 | 17 | -0.1 | | | |
| 30-44.6347-112.1508-2-12- | 0-118503 | 28720 | -0.04 | 618 | 46350 | 67 | -73 | 6.0 | 32 | 2.7 | 4 | 1.6 | 15260 | 21.7 | 11610 | 34 | 0.4 | | | |
| 30-44.5575-112.3208-2-15- | 0-118504 | 23220 | -0.06 | 487 | 84500 | 45 | 279 | 4.0 | 28 | 3.0 | 2 | 0.9 | 12300 | 4.1 | 12960 | 20 | 0.2 | | | |
| 30-44.5594-112.3292-2-15- | 0-118505 | 42640 | -0.07 | 786 | 65080 | 70 | 160 | 6.5 | 40 | 5.5 | 4 | 1.5 | 19380 | 9.6 | 13110 | 34 | 0.3 | | | |
| 30-44.5653-112.2786-2-15- | 0-118506 | 46120 | -0.06 | 633 | 9531 | 74 | -62 | 3.2 | 33 | 4.5 | 4 | 0.8 | 12240 | 10.8 | 18550 | 37 | 0.3 | | | |
| 30-44.5914-112.4059-2-99- | 0-118507 | 40060 | -0.06 | 662 | 15090 | 56 | -75 | 5.1 | 43 | 4.3 | 4 | 1.3 | 15470 | 7.1 | 17090 | 31 | 0.3 | | | |
| 30-44.4875-112.3783-2-12- | 0-118508 | 42220 | -0.06 | 573 | 47860 | 78 | -70 | 5.5 | 31 | 3.1 | 3 | 1.5 | 16200 | 31.4 | 12460 | 36 | 0.4 | | | |
| 30-44.5344-112.3828-2-12- | 0-118509 | 43500 | -0.06 | 582 | 52830 | 72 | -74 | 7.2 | 41 | 4.5 | 3 | 1.7 | 19320 | 12.2 | 16930 | 41 | 0.3 | | | |
| 30-44.5353-112.3822-2-12- | 0-118510 | 45700 | -0.05 | 547 | 43000 | 50 | -86 | 5.0 | 15 | 3.3 | 3 | 1.0 | 14560 | 6.3 | 16590 | 21 | -0.1 | | | |
| 30-44.5106-112.4136-2-12- | 0-118511 | 43250 | -0.05 | 580 | 50040 | 57 | -59 | 5.3 | 30 | 4.0 | 4 | 1.5 | 15010 | 15.4 | 14370 | 32 | 0.3 | | | |
| 30-44.5458-112.4103-2-12- | 0-118512 | 40650 | -0.05 | 577 | 44590 | 60 | -71 | 5.2 | 32 | 3.6 | 3 | 1.4 | 13150 | 7.7 | 13160 | 28 | 0.3 | | | |
| 30-44.5461-112.4064-2-12- | 0-118513 | 42290 | -0.06 | 542 | 45830 | 73 | -72 | 7.1 | 44 | 4.4 | 3 | 1.6 | 17550 | 14.9 | 13090 | 35 | 0.3 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO | |
|---------------------------|-----------|-----------|---------|-------------|-----------|---|---|------|------|----|----|------|------|----|------|-----|-------|----|---|---------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | | Yb |
| 30-44.6939-112.3839-2-12- | 0-1.18463 | 5882 | 734 | 4510 | -22 | -1 | 7.0 | 3.1 | -231 | -1 | -1 | 5.6 | 2796 | 52 | -1.1 | -35 | 0.571 | | | | |
| 30-44.7122-112.3875-2-12- | 0-1.18464 | 7514 | 682 | 4365 | 41 | -1 | 6.6 | 4.3 | -218 | -1 | 1 | 8.5 | 2658 | 60 | 3.0 | 119 | 0.400 | | | | |
| 30-44.7147-112.3908-2-12- | 0-1.18465 | 6007 | 687 | 4693 | -24 | -1 | 7.0 | 4.6 | -248 | -1 | -1 | 8.2 | 3271 | 58 | 3.0 | | 0.427 | | | | |
| 30-44.7172-112.3883-2-12- | 0-1.18466 | 22260 | 883 | 3923 | 60 | -1 | 6.7 | 5.3 | -263 | -1 | -1 | 10.3 | 2495 | 49 | 2.1 | 106 | 0.252 | | | | |
| 30-44.7194-112.3872-2-12- | 0-1.18467 | 32970 | 771 | 3004 | -19 | -1 | 4.0 | 2.6 | -225 | -1 | -1 | 4.8 | 1848 | 39 | 1.8 | -27 | 0.500 | | | | |
| 30-44.7394-112.4125-2-15- | 0-1.18468 | 30480 | 639 | 5067 | 51 | -1 | 5.6 | 4.3 | 322 | -1 | -1 | 7.4 | 1824 | 43 | 2.4 | 56 | 0.311 | | | | |
| 30-44.7364-112.4117-2-12- | 0-1.18469 | 20140 | 602 | 3444 | -20 | -1 | 3.8 | 3.9 | -242 | -1 | -1 | 5.9 | 1930 | 36 | 2.0 | 77 | 0.390 | | | | |
| 30-44.7183-112.4233-2-11- | 0-1.18470 | 2496 | 318 | 2661 | 39 | -1 | 5.2 | 5.8 | -138 | -1 | -1 | 10.6 | 3432 | 42 | 2.8 | 111 | 0.292 | | | | |
| 30-44.7308-112.4200-2-12- | 0-1.18471 | 7747 | 255 | 6435 | -22 | -1 | 5.8 | 4.3 | -163 | -1 | -1 | 8.3 | 3006 | 44 | 3.5 | -31 | 0.337 | | | | |
| 30-44.7225-112.4733-2-15- | 0-1.18472 | 4745 | 1014 | 8947 | 61 | -1 | 7.9 | 5.7 | -262 | -1 | -1 | 11.0 | 2730 | 59 | 2.6 | 115 | 0.245 | | | | |
| 30-44.7269-112.4742-2-12- | 0-1.18473 | 7771 | 315 | 5604 | 46 | -1 | 4.9 | 4.6 | -190 | -1 | -1 | 8.0 | 2611 | 37 | 2.8 | -53 | 0.300 | | | | |
| 30-44.7519-112.4639-2-12- | 0-1.18474 | 7407 | 392 | 9048 | 84 | -2 | 6.8 | 6.3 | -192 | -1 | -1 | 11.8 | 2939 | 49 | 3.7 | 92 | 0.237 | | | | |
| 30-44.7597-112.3867-2-12- | 0-1.18475 | 8698 | 724 | 8718 | 65 | -1 | 7.4 | 3.5 | -247 | -1 | -1 | 7.7 | 3056 | 64 | 3.3 | -40 | 0.351 | | | | |
| 30-44.7742-112.3906-2-12- | 0-1.18476 | 8638 | 613 | 15330 | 77 | -2 | 9.9 | 6.1 | -239 | -1 | -1 | 10.8 | 3056 | 57 | 3.6 | 56 | 0.259 | | | | |
| 30-44.6856-112.4761-2-15- | 0-1.18477 | 10300 | 813 | 12430 | -22 | -1 | 5.4 | 4.1 | -269 | -1 | -1 | 6.8 | 2453 | 50 | 3.2 | 48 | 0.324 | | | | |
| 30-44.6756-112.4678-2-15- | 0-1.18478 | 9532 | 1049 | 4064 | 64 | -2 | 10.6 | 6.2 | -289 | -1 | -1 | 11.4 | 2850 | 77 | 3.1 | 105 | 0.246 | | | | |
| 30-44.6797-112.4578-2-11- | 0-1.18479 | 3085 | 403 | 2655 | -17 | -1 | 3.8 | 1.6 | -156 | -1 | | 3.2 | 1731 | 36 | 1.4 | -29 | 0.750 | | | | |
| 30-44.6906-112.4450-2-11- | 0-1.18480 | 17600 | 551 | 968 | -18 | -1 | 4.7 | 5.0 | -179 | -1 | -1 | 6.4 | 2334 | 35 | 2.6 | 36 | 0.469 | | | | |
| 30-44.6847-112.4475-2-15- | 0-1.18481 | 13840 | 3082 | 4013 | 58 | -1 | 7.0 | 5.1 | -414 | -1 | -1 | 8.2 | 2194 | 55 | 3.2 | -95 | 0.402 | | | | |
| 30-44.6931-112.4222-2-11- | 0-1.18482 | 3733 | 369 | 7360 | -30 | -2 | 5.1 | 5.3 | -240 | -2 | -1 | 9.7 | 2725 | 36 | 3.4 | 203 | 0.268 | | | | |
| 30-44.6653-112.4336-2-15- | 0-1.18483 | 5668 | 1283 | 9012 | -24 | -1 | 6.4 | 4.4 | -303 | -1 | -1 | 10.2 | 3055 | 57 | -1.1 | -40 | 0.294 | | | | |
| 30-44.5603-112.5828-2-15- | 0-1.18484 | 7270 | 518 | 4635 | -21 | -1 | 6.4 | 3.8 | -195 | -1 | -1 | 7.7 | 2537 | 56 | 2.8 | 130 | 0.325 | | | | |
| 30-44.6119-112.6208-2-15- | 0-1.18485 | 5889 | 559 | 18160 | 65 | -1 | 7.0 | 5.7 | -240 | -1 | -1 | 12.6 | 2795 | 50 | 4.1 | 41 | 0.246 | | | | |
| 30-44.5700-112.6197-2-15- | 0-1.18486 | 6720 | 353 | 3637 | -29 | -2 | 9.4 | 5.9 | 321 | -1 | -1 | 11.4 | 2990 | 60 | 2.9 | 128 | 0.228 | | | | |
| 30-44.6067-112.5625-2-12- | 0-1.18487 | 4364 | 326 | 2694 | -25 | -1 | 5.3 | 2.6 | -180 | -1 | -1 | 5.0 | 1805 | 47 | -1.2 | -40 | 0.560 | | | | |
| 30-44.6036-112.5281-2-15- | 0-1.18488 | 2988 | 832 | 4082 | 45 | -1 | 5.1 | 4.4 | -216 | -1 | | 8.1 | 2020 | 44 | 2.4 | -69 | 0.821 | | | | |
| 30-44.5892-112.5186-2-15- | 0-1.18489 | 2737 | 592 | 2962 | 45 | -1 | 4.1 | 3.5 | -189 | -1 | -1 | 6.6 | 1632 | 39 | 1.9 | 37 | 0.333 | | | | |
| 30-44.5858-112.5031-2-12- | 0-1.18490 | 5880 | 745 | 3429 | -21 | -2 | 6.3 | 4.1 | 486 | -2 | -1 | 7.7 | 1814 | 39 | 2.5 | 151 | 0.273 | | | | |
| 30-44.5700-112.5014-2-12- | 0-1.18491 | 7431 | 507 | 7054 | -19 | -1 | 4.5 | 2.2 | -201 | -1 | | 5.0 | 2196 | 61 | 2.5 | -44 | 0.680 | | | | |
| 30-44.6000-112.4692-2-12- | 0-1.18492 | 6258 | 1065 | 7276 | 53 | -1 | 4.0 | 5.0 | -263 | -1 | -1 | 8.3 | 1802 | 38 | 2.7 | 81 | 0.361 | | | | |
| 30-44.6603-112.4197-2-15- | 0-1.18493 | 17640 | 941 | 6556 | 70 | -1 | 7.4 | 6.2 | -274 | -1 | -1 | 13.9 | 2704 | 57 | 3.9 | 116 | 0.187 | | | | |
| 30-44.6583-112.3497-2-11- | 0-1.18494 | 19900 | 330 | 1394 | -20 | -1 | 4.5 | 5.3 | -151 | -1 | -1 | 10.4 | 2788 | 40 | 3.8 | 54 | 0.260 | | | | |
| 30-44.6575-112.3250-2-12- | 0-1.18495 | 16190 | 578 | 3762 | 35 | -1 | 5.3 | 4.8 | -199 | -1 | -1 | 9.3 | 3655 | 46 | 3.2 | 48 | 0.290 | | | | |
| 30-44.6586-112.3228-2-12- | 0-1.18496 | 14630 | 510 | 3973 | 60 | -1 | 5.4 | 5.0 | -214 | -1 | -1 | 9.4 | 2963 | 46 | 2.8 | -62 | 0.266 | | | | |
| 30-44.6583-112.2969-2-12- | 0-1.18497 | 14040 | 499 | 2588 | 41 | -1 | 4.3 | 3.8 | -199 | -1 | -1 | 5.6 | 3213 | 44 | 2.6 | 65 | 0.339 | | | | |
| 30-44.6647-112.2619-2-15- | 0-1.18498 | 2877 | 626 | 1543 | -19 | -1 | 3.2 | 1.9 | -204 | -1 | | 3.4 | 1754 | 45 | -0.9 | -31 | 0.676 | | | | |
| 30-44.6756-112.2472-2-11- | 0-1.18499 | 2273 | 498 | 1985 | -13 | -1 | 2.3 | 2.9 | -169 | -1 | | 4.5 | 1559 | 22 | 1.8 | 36 | 0.533 | | | | |
| 30-44.6733-112.1611-2-12- | 0-1.18500 | 7471 | 554 | 5773 | 37 | -1 | 2.5 | 6.0 | 371 | -1 | -1 | 10.4 | 2973 | 37 | 3.7 | -66 | 0.317 | | | | |
| 30-44.6814-112.1633-2-12- | 0-1.18501 | 2295 | 362 | 1473 | -16 | -1 | 3.3 | 5.0 | -145 | -1 | -1 | 8.4 | 1976 | 26 | 3.9 | -25 | 0.476 | | | | |
| 30-44.6703-112.1314-2-12- | 0-1.18502 | 3427 | 447 | 3188 | -16 | -1 | 2.9 | 1.9 | -165 | -1 | | 4.9 | 1589 | 31 | 2.2 | -23 | 0.510 | | | | |
| 30-44.6347-112.1509-2-12- | 0-1.18503 | 9477 | 466 | 7961 | 51 | -1 | 4.6 | 4.7 | -177 | -1 | -1 | 9.9 | 2233 | 54 | 2.5 | 81 | 0.434 | | | | |
| 30-44.5575-112.3208-2-15- | 0-1.18504 | 12480 | 439 | 4781 | -22 | -1 | 3.8 | 2.6 | 545 | -1 | -1 | 6.7 | 1902 | 42 | -1.5 | 104 | 0.403 | | | | |
| 30-44.5594-112.3292-2-15- | 0-1.18505 | 9647 | 290 | 7035 | -26 | -2 | 5.9 | 5.0 | 460 | -1 | -1 | 10.1 | 2379 | 46 | 2.0 | 110 | 0.317 | | | | |
| 30-44.5653-112.3786-2-15- | 0-1.18506 | 4501 | 316 | 10780 | 115 | -2 | 4.1 | 4.3 | -199 | -1 | -1 | 12.2 | 1603 | 42 | 4.5 | 66 | 0.344 | | | | |
| 30-44.5514-112.4058-2-99- | 0-1.18507 | 7633 | 171 | 7370 | 42 | -1 | 4.9 | 4.7 | -154 | -1 | -1 | 9.8 | 1917 | 57 | -1.0 | -87 | 0.357 | | | | |
| 30-44.4875-112.3783-2-12- | 0-1.18508 | 9622 | 622 | 6345 | -20 | -1 | 4.5 | -0.7 | -240 | -1 | -1 | 12.6 | 2671 | 55 | 2.6 | -69 | 0.349 | | | | |
| 30-44.5344-112.3828-2-12- | 0-1.18509 | 10280 | 708 | 6902 | 77 | -1 | 5.9 | 6.6 | -245 | -1 | -1 | 12.8 | 2271 | 49 | 3.3 | 70 | 0.250 | | | | |
| 30-44.5353-112.3622-2-12- | 0-1.18510 | 12200 | 705 | 6821 | -21 | -1 | 4.7 | 2.5 | -243 | -1 | -1 | 6.2 | 2849 | 48 | 1.9 | -33 | 0.532 | | | | |
| 30-44.5104-112.4136-2-12- | 0-1.18511 | 11880 | 464 | 6670 | 58 | -1 | 4.7 | 5.1 | -195 | -1 | -1 | 9.8 | 2127 | 52 | 2.7 | 113 | 0.367 | | | | |
| 30-44.5458-112.4103-2-12- | 0-1.18512 | 9141 | 387 | 7194 | 42 | -1 | 4.1 | 4.6 | -201 | -1 | -1 | 9.1 | 1621 | 51 | -1.2 | -55 | 0.330 | | | | |
| 30-44.5461-112.4094-2-12- | 0-1.18513 | 11270 | 682 | 6994 | 88 | -1 | 5.8 | 5.5 | -222 | -1 | -1 | 12.5 | 2993 | 45 | 3.6 | 100 | 0.272 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

1

| DOE SAMPLE NUMBER | | | | | | LAST SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|---------|--|--------------|------|-----------------|-------------------|----------|-------------------------|----|------------------------|--------------------|-----------|------------|---------------|----------------|------------|-------------|-------------|-----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|--------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REMARKS | IAS SAMPLER LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SCINTILLATOR (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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30-44.5300 | -112.4231 | -2-12- | 0-119514 | -10/04/76 | -13- | 15- | 7.2 | - | 5.9 | 420 | 11-6 | -5-6-3-3-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 30-44.5302 | -112.4244 | -2-12- | 0-119515 | -10/04/76 | -13- | 15- | 7.5 | - | 5.7 | 380 | 9-6 | -4-6-3-3-2-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.5503 | -112.4286 | -2-12- | 0-119516 | -10/04/76 | -13- | 16- | 6.5 | - | 5.7 | 420 | 5-4 | -3-6-2-3-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 30-44.5078 | -112.4706 | -2-12- | 0-119517 | -10/04/76 | -13- | 16- | 6.0 | - | 5.7 | 460 | 5-4 | -4-6-3-3-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.5581 | -112.4664 | -2-15- | 0-119518 | -10/04/76 | -13- | 16- | - | - | - | - | 3-4 | -3-6-1-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 30-44.5099 | -112.5450 | -2-12- | 0-119519 | -10/04/76 | -14- | 13- | 7.0 | - | 5.7 | 480 | 7-4 | -3-7-3-3-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.30 | | | |
| 30-44.5342 | -112.4819 | -2-12- | 0-119520 | -10/04/76 | -14- | 13- | 8.0 | - | 5.9 | 560 | 11-4 | -3-6-3-3-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 30-44.5353 | -112.4853 | -2-12- | 0-119521 | -10/04/76 | -14- | 12- | 9.2 | - | 5.7 | 580 | 5- | -3-6-3-3-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.20 | | | |
| 30-44.5356 | -112.4850 | -2-12- | 0-119522 | -10/04/76 | -14- | 13- | 7.9 | - | 5.9 | 580 | 7-4 | -5-6-3-3-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | |
| 30-44.5492 | -112.4669 | -2-12- | 0-119523 | -10/04/76 | -14- | 12- | 8.0 | - | 5.9 | 600 | 7-4 | -3-6-3-3-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.90 | | | |
| 30-44.5464 | -112.5144 | -2-12- | 0-119524 | -10/04/76 | -14- | 12- | 7.4 | - | 5.9 | 450 | 5-4 | -5-6-3-2-1-2-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | | |
| 30-44.5722 | -112.4778 | -2-11- | 0-119525 | -10/04/76 | -14- | 11- | 6.5 | - | 5.7 | 500 | 5-4 | -5-6-2-3-1-1-4-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | | |
| 30-44.6181 | -112.4864 | -2-15- | 0-119526 | -10/04/76 | -15- | 12- | - | - | - | - | 11-4 | -4-6-1-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 30-44.6200 | -112.5006 | -2-15- | 0-119527 | -10/04/76 | -15- | 12- | - | - | - | - | 2-4 | -4-6-1-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.6472 | -112.4844 | -2-15- | 0-119528 | -10/04/76 | -16- | 12- | - | - | - | - | 7-4 | -4-6-1-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 30-44.6519 | -112.4432 | -2-15- | 0-119529 | -10/04/76 | -16- | 12- | - | - | - | - | 7-4 | -4-6-1-1-2-4-3-2-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 30-44.6517 | -112.4336 | -2-15- | 0-119530 | -10/04/76 | -15- | 13- | - | - | - | - | 7-4 | -4-6-1-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 30-44.6494 | -112.4217 | -2-15- | 0-119531 | -10/04/76 | -16- | 12- | - | - | - | - | 9-4 | -4-6-1-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 30-44.6292 | -112.3778 | -2-11- | 0-119532 | -10/04/76 | -17- | 10- | 9.5 | - | 5.5 | 310 | 3-4 | -6-6-2-3-1-1-4-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.6214 | -112.2433 | -2-15- | 0-119533 | -10/04/76 | -17- | 11- | - | - | - | - | 5-4 | -3-6-1-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 30-44.6075 | -112.3217 | -2-11- | 0-119534 | -10/04/76 | -18- | 10- | 9.5 | - | 5.7 | 350 | 5-4 | -3-6-2-3-1-1-3-3-4-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | |
| 30-44.6675 | -112.2067 | -2-12- | 0-119535 | -10/04/76 | -9- | 7- | 3.0 | - | 5.7 | 290 | 7-4 | -4-6-3-3-1-2-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.00 | | | |
| 30-44.8367 | -112.1931 | -2-12- | 0-119536 | -10/04/76 | -3- | 8- | 5.2 | - | 5.9 | 300 | 7-4 | -5-6-3-3-1-2-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | |
| 30-44.8369 | -112.1917 | -2-12- | 0-119537 | -10/04/76 | -9- | 6- | 3.2 | - | 5.7 | 310 | 1-4 | -3-6-3-3-1-2-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | | |
| 30-44.8344 | -112.1883 | -2-12- | 0-119538 | -10/04/76 | -9- | 8- | 4.3 | - | 5.9 | 260 | 7-4 | -3-6-3-3-1-2-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.10 | | | |
| 30-44.8206 | -112.1711 | -2-12- | 0-119539 | -10/04/76 | -10- | 6- | 4.3 | - | 5.9 | 220 | 9-4 | -4-6-3-3-1-2-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | | |
| 30-44.8214 | -112.1630 | -2-12- | 0-119540 | -10/04/76 | -10- | 7- | 3.2 | - | 5.7 | 330 | 7-4 | -3-6-3-3-1-2-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | | |
| 30-44.8203 | -112.1369 | -2-12- | 0-119541 | -10/04/76 | -10- | 9- | 6.0 | - | 5.7 | 320 | 5-4 | -4-6-3-3-1-2-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 30-44.8322 | -112.1242 | -2-12- | 0-119542 | -10/04/76 | -10- | 8- | 3.5 | - | 5.7 | 280 | 7-4 | -4-6-3-3-1-2-1-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 30-44.8417 | -112.1253 | -2-12- | 0-119543 | -10/04/76 | -11- | 8- | 6.2 | - | 5.7 | 180 | 5-4 | -3-6-3-3-1-2-3-3-3-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 30-44.8992 | -112.1861 | -2-12- | 0-119544 | -10/04/76 | -12- | 2- | 3.5 | - | 5.7 | 290 | 7-1 | -1-2-6-3-2-1-2-3-3-3-5- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 16-44.3511 | -112.1551 | -2-15- | 0-119545 | -06/10/79 | -11- | 22- | - | - | - | - | 25-2 | -6-2-1-1-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.20 | | | |
| 16-44.3842 | -112.1158 | -2-12- | 0-119546 | -06/10/79 | -11- | 22-10 | 2- | - | 8.7 | 65 | 5-2 | -6-3-6-2-3-1-2-4-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | | |
| 16-44.3825 | -112.1142 | -2-12- | 0-119547 | -06/10/79 | -12- | 23-11 | 1- | - | 8.2 | 75 | 14-2 | -6-5-6-3-3-1-2-4-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.30 | | | |
| 16-44.4397 | -112.0603 | -2-11- | 0-119548 | -06/10/79 | -13- | 22-14 | 2 | - | 8.3 | 28 | 16-3 | -7-5-6-2-2-1-1-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 16-44.4178 | -112.1778 | -2-12- | 0-119549 | -06/11/79 | -16- | 24-13 | 2 | - | 8.0 | 448 | 10-3 | -6-5-8-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44.4181 | -112.1686 | -2-12- | 0-119550 | -06/11/79 | -16- | 25-16 | 3 | - | 8.1 | 370 | 5-3 | -6-5-6-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 16-44.4172 | -112.1653 | -2-12- | 0-119551 | -06/11/79 | -16- | 25 | 8 | 2- | - | 324 | 3-3 | -6-5-6-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | |
| 16-44.4458 | -112.1444 | -2-11- | 0-119552 | -06/11/79 | -16- | 25 | 6 | 2- | - | 425 | 8-3 | -6-5-6-2-3-1-1-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 16-44.4428 | -112.1936 | -2-12- | 0-119554 | -06/11/79 | -19- | 24-17 | 5 | - | 8.0 | 490 | 2-3 | -6-5-1-3-3-1-2-4-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.10 | | | |
| 16-44.4575 | -112.1642 | -2-12- | 0-119555 | -06/11/79 | -19- | 24-17 | 4 | - | 8.1 | 476 | 3-3 | -6-5-1-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44.4808 | -112.1572 | -2-11- | 0-119556 | -06/11/79 | -13- | 24-10 | 2 | - | 8.1 | 393 | 8-3 | -6-5-8-3-3-1-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 16-44.4856 | -112.0978 | -2-12- | 0-119558 | -06/11/79 | -16- | 22-12 | 9 | - | 8.0 | 367 | 5-3 | -6-5-6-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 16-44.4860 | -112.0975 | -2-12- | 0-119559 | -06/11/79 | -19- | 22-13 | 3 | - | 8.3 | 83 | 6-3 | -6-5-6-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 16-44.5010 | -112.1161 | -2-12- | 0-119560 | -06/11/79 | -19- | 22-10 | 4 | - | 8.2 | 67 | 5-3 | -6-5-6-4-3-1-2-1-3-4-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | |
| 16-44.4719 | -112.0764 | -2-11- | 0-119561 | -06/11/79 | -20- | 20 | 8 | 7- | - | 140 | 13-2 | -6-3-2-2-3-3-1-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | | |
| 16-44.4761 | -112.0636 | -2-12- | 0-119562 | -06/11/79 | -20- | 20 | 13 | 5 | - | 263 | 13-3 | -6-5-6-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 16-44.4550 | -112.0011 | -2-12- | 0-119563 | -06/11/79 | -20- | 20-10 | 2 | - | 8.4 | 22 | 8-3 | -6-3-6-3-3-1- | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | LAB. SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|-----------|-----------|----------|-------------|-----------|-----------------------------|---|-----|-----|----|-----|-----|-----|----|------|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 30-44.5339 | -112.4221 | -2-12- | 0-L1R514 | -5 | 5 | -5 | 12 | 22 | -15 | 7 | -10 | -15 | -5 | -5 | 215 | 2 | 25 | | | | |
| 30-44.5302 | -112.4244 | -2-12- | 0-L1R515 | -5 | 6 | -5 | -10 | -20 | -15 | 10 | -10 | -15 | 6 | -5 | 190 | 2 | 16 | | | | |
| 30-44.5503 | -112.4289 | -2-12- | 0-L1R516 | -5 | 5 | -5 | -10 | -20 | -15 | 5 | -10 | -15 | 8 | -5 | 168 | 1 | 15 | | | | |
| 30-44.5078 | -112.4708 | -2-12- | 0-L1R517 | -5 | 5 | -5 | 14 | -20 | -15 | 6 | -10 | 16 | 9 | -5 | 212 | 2 | 25 | | | | |
| 30-44.5581 | -112.4664 | -2-15- | 0-L1R518 | -5 | 5 | -5 | 20 | -20 | -15 | 8 | -10 | -15 | 7 | -5 | 192 | 2 | 22 | | | | |
| 30-44.5089 | -112.5459 | -2-12- | 0-L1R519 | -5 | 8 | -5 | 16 | -20 | -15 | -5 | -10 | -15 | 9 | -5 | 586 | 1 | 18 | | | | |
| 30-44.5342 | -112.4819 | -2-12- | 0-L1R520 | -5 | -5 | -5 | 14 | -20 | 17 | -5 | -10 | -15 | -5 | -5 | 230 | 2 | 23 | | | | |
| 30-44.5353 | -112.4853 | -2-12- | 0-L1R521 | -5 | 7 | -5 | 14 | -20 | -15 | -5 | -10 | -15 | 9 | -5 | 515 | 2 | 22 | | | | |
| 30-44.5356 | -112.4950 | -2-12- | 0-L1R522 | -5 | 8 | -5 | -10 | -20 | -15 | 9 | -10 | -15 | 8 | -5 | 324 | 2 | 25 | | | | |
| 30-44.5492 | -112.4665 | -2-12- | 0-L1R523 | -5 | 7 | -5 | 17 | -20 | -15 | 9 | -10 | -15 | 6 | -5 | 672 | 1 | 21 | | | | |
| 30-44.5464 | -112.5144 | -2-12- | 0-L1R524 | -5 | -5 | -5 | 22 | -20 | 20 | -5 | -10 | -15 | 8 | -5 | 239 | 2 | 27 | | | | |
| 30-44.5722 | -112.4778 | -2-11- | 0-L1R525 | -5 | -5 | -5 | 27 | -20 | -15 | 7 | -10 | -15 | 9 | -5 | 184 | 1 | 26 | | | | |
| 30-44.6181 | -112.4864 | -2-15- | 0-L1R526 | -5 | 9 | -5 | 31 | 21 | -15 | 14 | -10 | -15 | 7 | -5 | 289 | 2 | 27 | | | | |
| 30-44.6300 | -112.5006 | -2-15- | 0-L1R527 | -5 | -5 | -5 | -10 | -20 | -15 | 6 | -10 | -15 | 9 | -5 | 396 | 1 | 23 | | | | |
| 30-44.6472 | -112.4844 | -2-15- | 0-L1R528 | -5 | -5 | -5 | 22 | 23 | -15 | -5 | -10 | -15 | 14 | -5 | 274 | 2 | 29 | | | | |
| 30-44.6519 | -112.4433 | -2-15- | 0-L1R529 | -5 | 8 | -5 | 32 | -20 | -15 | 19 | -10 | -15 | 9 | -5 | 181 | 2 | 22 | | | | |
| 30-44.6517 | -112.4336 | -2-15- | 0-L1R530 | -5 | -5 | -5 | 60 | 24 | 68 | 10 | -10 | -15 | 10 | -5 | 259 | 2 | 57 | | | | |
| 30-44.6494 | -112.4217 | -2-15- | 0-L1R531 | -5 | 9 | -5 | 28 | -20 | -15 | 21 | -10 | -15 | 10 | -5 | 244 | 2 | 37 | | | | |
| 30-44.6292 | -112.3778 | -2-11- | 0-L1R532 | -5 | -5 | -5 | 11 | -20 | -15 | 7 | -10 | -15 | 10 | -5 | 319 | 1 | 19 | | | | |
| 30-44.6214 | -112.3432 | -2-15- | 0-L1R533 | -5 | -5 | -5 | 16 | -20 | 28 | 16 | -10 | -15 | -5 | -5 | 263 | 2 | 27 | | | | |
| 30-44.6075 | -112.3217 | -2-11- | 0-L1R534 | -5 | -5 | -5 | 13 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 353 | -1 | 9 | | | | |
| 30-44.8675 | -112.2067 | -2-12- | 0-L1R535 | -5 | 5 | -5 | -10 | -20 | -15 | 8 | -10 | -15 | 6 | -5 | 1212 | -1 | 13 | | | | |
| 30-44.8367 | -112.1921 | -2-12- | 0-L1R536 | -5 | 6 | -5 | 11 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 379 | 1 | 26 | | | | |
| 30-44.8369 | -112.1917 | -2-12- | 0-L1R537 | -5 | -5 | -5 | 11 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 701 | -1 | 15 | | | | |
| 30-44.8344 | -112.1883 | -2-12- | 0-L1R538 | -5 | 6 | -5 | -10 | 34 | -15 | 5 | -10 | -15 | 6 | -5 | 997 | -1 | 10 | | | | |
| 30-44.8206 | -112.1711 | -2-12- | 0-L1R539 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 652 | -1 | 13 | | | | |
| 30-44.8214 | -112.1639 | -2-12- | 0-L1R540 | -5 | 8 | -5 | 13 | -20 | -15 | -5 | -10 | -15 | 11 | -5 | 773 | 1 | 17 | | | | |
| 30-44.8203 | -112.1269 | -2-12- | 0-L1R541 | -5 | -5 | -5 | 10 | 25 | -15 | -5 | -10 | -15 | 6 | -5 | 413 | -1 | 14 | | | | |
| 30-44.8322 | -112.1342 | -2-12- | 0-L1R542 | -5 | 6 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 8 | -5 | 448 | 1 | 20 | | | | |
| 30-44.8417 | -112.1252 | -2-12- | 0-L1R543 | -5 | -5 | -5 | 35 | -20 | 16 | 15 | -10 | -15 | 16 | -5 | 279 | 2 | 22 | | | | |
| 30-44.8902 | -112.1861 | -2-12- | 0-L1R544 | -5 | 7 | -5 | 14 | 35 | 17 | 6 | -10 | -15 | 11 | -5 | 522 | 1 | 20 | | | | |
| 16-44.3511 | -112.1581 | -2-15- | 0-L1R545 | -5 | 10 | -5 | 25 | 42 | -15 | 18 | -10 | -15 | 9 | -5 | 301 | 2 | 25 | | | | |
| 16-44.3842 | -112.1158 | -2-12- | 0-L1R546 | -5 | -5 | -5 | 20 | 45 | -15 | -5 | -10 | -15 | 11 | -5 | 334 | 2 | 22 | | | | |
| 16-44.3825 | -112.1142 | -2-12- | 0-L1R547 | -5 | 10 | -5 | 25 | 42 | -15 | 13 | -10 | -15 | 13 | -5 | 251 | 2 | 22 | | | | |
| 16-44.4297 | -112.0803 | -2-11- | 0-L1R548 | -5 | -5 | -5 | 15 | 43 | -15 | 11 | -10 | -15 | 6 | -5 | 208 | 2 | 21 | | | | |
| 16-44.4178 | -112.1778 | -2-12- | 0-L1R549 | -5 | -5 | -5 | 19 | 33 | -15 | 6 | -10 | -15 | -5 | -5 | 161 | 1 | 15 | | | | |
| 16-44.4181 | -112.1686 | -2-12- | 0-L1R550 | -5 | -5 | -5 | 13 | 20 | -15 | 6 | -10 | -15 | -5 | -5 | 254 | 1 | 14 | | | | |
| 16-44.4172 | -112.1683 | -2-12- | 0-L1R551 | -5 | -5 | -5 | 10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 242 | 1 | 17 | | | | |
| 16-44.4458 | -112.1444 | -2-11- | 0-L1R552 | -5 | -5 | -5 | 22 | 22 | -15 | 5 | -10 | -15 | 10 | -5 | 175 | 2 | 22 | | | | |
| 16-44.4428 | -112.1926 | -2-12- | 0-L1R553 | -5 | -5 | -5 | 14 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 128 | 1 | 11 | | | | |
| 16-44.4575 | -112.1642 | -2-12- | 0-L1R554 | -5 | -5 | -5 | 26 | 43 | -15 | -5 | -10 | 25 | -5 | -5 | 191 | -1 | 14 | | | | |
| 16-44.4808 | -112.1572 | -2-11- | 0-L1R555 | -5 | 5 | -5 | -10 | -20 | -15 | 7 | -10 | -15 | 6 | -5 | 153 | -1 | 13 | | | | |
| 16-44.4856 | -112.0978 | -2-12- | 0-L1R556 | -5 | -5 | -5 | 27 | 32 | -15 | 11 | -10 | -15 | -5 | -5 | 180 | 2 | 17 | | | | |
| 16-44.4869 | -112.0975 | -2-12- | 0-L1R557 | -5 | -5 | -5 | 23 | 27 | 16 | 9 | -10 | -15 | -5 | -5 | 259 | 2 | 20 | | | | |
| 16-44.5010 | -112.1161 | -2-12- | 0-L1R558 | -5 | 5 | -5 | 17 | 47 | -15 | 10 | -10 | -15 | 6 | -5 | 286 | 1 | 41 | | | | |
| 16-44.4719 | -112.0794 | -2-11- | 0-L1R559 | -5 | 6 | -5 | 21 | 63 | -15 | 17 | -10 | -15 | 11 | -5 | 312 | 2 | 33 | | | | |
| 16-44.4761 | -112.0636 | -2-12- | 0-L1R560 | -5 | -5 | -5 | 23 | 29 | -15 | 8 | -10 | -15 | -5 | -5 | 239 | -1 | 16 | | | | |
| 16-44.4550 | -112.0011 | -2-12- | 0-L1R561 | -5 | -5 | -5 | 24 | 59 | -15 | 10 | -10 | -15 | 124 | -5 | 274 | 4 | 31 | | | | |
| 16-44.4692 | -112.0133 | -2-12- | 0-L1R562 | -5 | -5 | -5 | -10 | 41 | -15 | -5 | -10 | -15 | 16 | -5 | 277 | 5 | 24 | | | | |
| 16-44.4892 | -112.2228 | -2-12- | 0-L1R563 | -5 | -5 | -5 | 12 | 38 | -15 | -5 | -10 | -15 | 7 | -5 | 190 | 2 | 21 | | | | |
| 16-44.4922 | -112.2453 | -2-11- | 0-L1R564 | -5 | 5 | -5 | 13 | 40 | -15 | 14 | -10 | -15 | -5 | -5 | 188 | 1 | 25 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-----------|--|---|------|--------|-----|------|------|-----|------|----|-----|-------|------|-------|----|------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu |
| 30-44.5389 | -112.4231 | -2-12 | 0-118514 | | | 48140 | -0.05 | 650 | 34330 | 44 | -74 | 6.8 | 23 | 3.9 | 4 | 0.8 | 14020 | 6.1 | 16370 | 24 | -0.1 | |
| 30-44.5392 | -112.4244 | -2-12 | 0-118515 | | | 47190 | -0.05 | 493 | 42870 | 55 | -90 | 5.1 | 26 | 3.9 | 4 | 1.2 | 15810 | 8.3 | 16200 | 29 | 0.2 | |
| 30-44.5503 | -112.4289 | -2-12 | 0-118516 | | | 29000 | -0.05 | 513 | 137000 | 50 | -82 | 3.6 | 37 | 3.0 | 3 | 1.1 | 10870 | 8.0 | 12950 | 22 | 0.2 | |
| 30-44.5678 | -112.4708 | -2-12 | 0-118517 | | | 79860 | -0.06 | 533 | 37870 | 63 | -65 | 6.3 | 30 | 5.3 | 4 | 1.5 | 19430 | 11.7 | 18180 | 35 | 0.3 | |
| 30-44.5581 | -112.4664 | -2-15 | 0-118518 | | | 43580 | -0.05 | 543 | 43730 | 42 | 216 | 4.5 | 19 | 4.3 | 4 | 1.2 | 14480 | 6.5 | 14090 | 24 | 0.2 | |
| 30-44.5089 | -112.5458 | -2-12 | 0-118519 | | | 35970 | -0.05 | 950 | 43410 | 76 | 192 | 4.7 | 35 | 3.2 | 4 | 1.6 | 13030 | 24.9 | 12080 | 38 | 0.4 | |
| 30-44.5342 | -112.4819 | -2-12 | 0-118520 | | | 38430 | -0.06 | 560 | 70070 | 62 | -80 | 8.8 | 95 | 3.9 | 4 | 1.4 | 16300 | 9.9 | 13410 | 27 | 0.4 | |
| 30-44.5353 | -112.4853 | -2-12 | 0-118521 | | | 40890 | -0.08 | 696 | 47740 | 84 | -73 | 7.7 | 41 | 4.4 | 4 | 1.8 | 20060 | 26.7 | 12720 | 49 | 0.4 | |
| 30-44.5256 | -112.4850 | -2-12 | 0-118522 | | | 42840 | -0.05 | 606 | 40560 | 51 | -76 | 4.9 | 23 | 3.0 | 5 | 1.0 | 12720 | 10.7 | 16810 | 31 | 0.2 | |
| 30-44.5492 | -112.4669 | -2-12 | 0-118523 | | | 36110 | 0.22 | 1231 | 40470 | 85 | 128 | 4.9 | 44 | 2.6 | 5 | 1.2 | 13600 | 35.2 | 11720 | 43 | 0.5 | |
| 30-44.5464 | -112.5144 | -2-12 | 0-118524 | | | 44180 | -0.06 | 488 | 43440 | 67 | 266 | 5.5 | 42 | 3.7 | 4 | 1.4 | 15800 | 10.2 | 15050 | 26 | 0.3 | |
| 30-44.5722 | -112.4778 | -2-11 | 0-118525 | | | 52370 | -0.08 | 646 | 12680 | 64 | 151 | 8.4 | 76 | 6.7 | 5 | 2.0 | 24200 | 8.4 | 15270 | 39 | 0.4 | |
| 30-44.6181 | -112.4864 | -2-15 | 0-118526 | | | 46930 | -0.05 | 511 | 21720 | 48 | -80 | 7.6 | 40 | 3.7 | 5 | 0.9 | 17600 | 9.3 | 16020 | 30 | 0.3 | |
| 30-44.6300 | -112.5006 | -2-15 | 0-118527 | | | 41570 | -0.05 | 475 | 14680 | 54 | -76 | 6.4 | 48 | 3.5 | 4 | 1.4 | 17920 | 14.0 | 14430 | 31 | 0.4 | |
| 30-44.6472 | -112.4844 | -2-15 | 0-118528 | | | 52500 | -0.06 | 578 | 9565 | 88 | -79 | 9.2 | 66 | 3.3 | 6 | 1.7 | 24640 | 11.2 | 19230 | 35 | 0.5 | |
| 30-44.6519 | -112.4433 | -2-15 | 0-118529 | | | 48910 | -0.07 | 632 | 8535 | 66 | -78 | 10.3 | 56 | 5.4 | 4 | 1.6 | 25290 | 9.9 | 20250 | 35 | 0.4 | |
| 30-44.6517 | -112.4336 | -2-15 | 0-118530 | | | 62290 | -0.08 | 461 | 36600 | 78 | -103 | 31.4 | 148 | 4.1 | 6 | 1.1 | 51090 | 8.7 | 20160 | 39 | 0.4 | |
| 30-44.6494 | -112.4217 | -2-15 | 0-118531 | | | 44590 | -0.06 | 534 | 11150 | 54 | -85 | 7.5 | 50 | 4.2 | 4 | 1.3 | 19940 | 9.7 | 18420 | 30 | 0.3 | |
| 30-44.6292 | -112.3775 | -2-11 | 0-118532 | | | 45770 | -0.05 | 517 | 5943 | 66 | -78 | 5.8 | 38 | 2.5 | 4 | 1.3 | 18040 | 12.3 | 17010 | 30 | 0.4 | |
| 30-44.6214 | -112.3423 | -2-15 | 0-118533 | | | 51240 | -0.07 | 561 | 21700 | 72 | -64 | 13.9 | 115 | 5.4 | 5 | 1.9 | 30800 | 12.4 | 15330 | 35 | 0.5 | |
| 30-44.6075 | -112.3217 | -2-11 | 0-118534 | | | 21570 | -0.04 | 285 | 4448 | 28 | -42 | 3.4 | 28 | -1.0 | 3 | 0.6 | 10190 | 13.8 | 8275 | 22 | 0.2 | |
| 30-44.8675 | -112.2067 | -2-12 | 0-118535 | | | 26440 | -0.05 | 412 | 26730 | 79 | -59 | 7.9 | 64 | 2.1 | 5 | 1.5 | 24580 | 47.3 | 8235 | 41 | 0.6 | |
| 30-44.8367 | -112.1931 | -2-12 | 0-118536 | | | 34390 | -0.06 | 423 | 37130 | 68 | -62 | 6.6 | 51 | 3.2 | 5 | 1.4 | 17430 | 16.2 | 11590 | 30 | 0.5 | |
| 30-44.8369 | -112.1917 | -2-12 | 0-118537 | | | 27120 | -0.06 | 390 | 29130 | 89 | 83 | 6.9 | 64 | 2.9 | 5 | 1.4 | 31370 | 33.8 | 10790 | 45 | 0.6 | |
| 30-44.8344 | -112.1883 | -2-12 | 0-118538 | | | 25490 | -0.06 | 327 | 28520 | 83 | -69 | 9.4 | 40 | -1.3 | 6 | 0.7 | 31450 | 38.8 | 8064 | 35 | 0.4 | |
| 30-44.8206 | -112.1711 | -2-12 | 0-118539 | | | 25860 | -0.05 | 349 | 29470 | 72 | -60 | 6.9 | 50 | 2.3 | 6 | 1.4 | 22160 | 28.4 | 9080 | 36 | 0.5 | |
| 30-44.8214 | -112.1639 | -2-12 | 0-118540 | | | 28410 | -0.06 | 421 | 23720 | 102 | -56 | 7.7 | 52 | 3.6 | 6 | 1.3 | 27660 | 34.8 | 12720 | 47 | 0.6 | |
| 30-44.8203 | -112.1369 | -2-12 | 0-118541 | | | 25850 | -0.05 | 380 | 28320 | 70 | -48 | 7.2 | 54 | 3.1 | 6 | 1.3 | 20740 | 22.3 | 9722 | 37 | 0.3 | |
| 30-44.8322 | -112.1242 | -2-12 | 0-118542 | | | 29010 | -0.04 | 376 | 26690 | 51 | -58 | 5.6 | 29 | 2.1 | 6 | 0.7 | 14190 | 17.2 | 9771 | 30 | 0.2 | |
| 30-44.8417 | -112.1253 | -2-12 | 0-118543 | | | 45210 | -0.06 | 377 | 76790 | 65 | -94 | 15.6 | 96 | 3.5 | 5 | 1.5 | 38970 | 11.6 | 16820 | 35 | 0.4 | |
| 30-44.8992 | -112.1861 | -2-12 | 0-118544 | | | 34900 | -0.06 | 398 | 54260 | 82 | -69 | 12.7 | 64 | 2.5 | 6 | 1.5 | 38130 | 19.7 | 11720 | 40 | 0.6 | |
| 16-44.8206 | -112.1581 | -2-15 | 0-118545 | | | 55900 | -0.06 | 818 | 8645 | 83 | -92 | 5.0 | 47 | 3.7 | 6 | 1.1 | 20780 | 12.6 | 23730 | 42 | 0.4 | |
| 16-44.3842 | -112.1158 | -2-12 | 0-118546 | | | 58560 | -0.07 | 808 | 19190 | 90 | -123 | 13.4 | 65 | 4.5 | 6 | 1.7 | 30240 | 12.4 | 20390 | 42 | 0.5 | |
| 16-44.3825 | -112.1142 | -2-12 | 0-118547 | | | 58370 | -0.09 | 872 | 13960 | 126 | -109 | 11.9 | 53 | 6.8 | 7 | 1.6 | 26290 | 9.2 | 12630 | 41 | 0.6 | |
| 16-44.4397 | -112.0903 | -2-11 | 0-118548 | | | 41660 | -0.08 | 666 | 8806 | 65 | -100 | -1.3 | 52 | 3.3 | 5 | 0.7 | 8739 | 9.9 | 18470 | 29 | 0.3 | |
| 16-44.4181 | -112.1778 | -2-12 | 0-118549 | | | 35600 | -0.06 | 718 | 83860 | 34 | -90 | 5.4 | 17 | 3.8 | 3 | 0.6 | 12000 | 6.0 | 12480 | 27 | -0.1 | |
| 16-44.4181 | -112.1866 | -2-12 | 0-118550 | | | 37520 | -0.05 | 633 | 18740 | 58 | -74 | 4.4 | 37 | 4.0 | 4 | 1.2 | 12840 | 10.8 | 14440 | 24 | 0.3 | |
| 16-44.4172 | -112.1883 | -2-12 | 0-118551 | | | 44530 | -0.06 | 695 | 20350 | 64 | -77 | 5.0 | 39 | 2.5 | 4 | 1.1 | 14770 | 9.0 | 14200 | 27 | 0.3 | |
| 16-44.4458 | -112.1444 | -2-11 | 0-118552 | | | 46490 | -0.07 | 648 | 8649 | 74 | -62 | 7.3 | 58 | 5.1 | 4 | 0.8 | 21980 | 8.4 | 20120 | 39 | 0.4 | |
| 16-44.4428 | -112.1936 | -2-12 | 0-118553 | | | 28760 | -0.04 | 581 | 88850 | 40 | -71 | 3.9 | 26 | 2.2 | 3 | 0.7 | 10260 | 7.6 | 11290 | 24 | 0.2 | |
| 16-44.4575 | -112.1642 | -2-12 | 0-118554 | | | 28430 | -0.05 | 611 | 64760 | 43 | -71 | 3.9 | 34 | 2.8 | 3 | 1.0 | 11830 | 9.3 | 11460 | 24 | 0.3 | |
| 16-44.4808 | -112.1572 | -2-11 | 0-118555 | | | 29040 | -0.06 | 522 | 17950 | 50 | -51 | 2.9 | 31 | 2.4 | 3 | 0.9 | 10020 | 5.9 | 11980 | 20 | 0.2 | |
| 16-44.4856 | -112.0978 | -2-12 | 0-118556 | | | 55950 | -0.08 | 874 | 21460 | 82 | -173 | 12.4 | 62 | 4.3 | 4 | 1.8 | 32810 | 11.0 | 13200 | 43 | 0.4 | |
| 16-44.4869 | -112.0975 | -2-12 | 0-118557 | | | 60690 | -0.06 | 735 | 22720 | 58 | 185 | 8.5 | 33 | -1.5 | 4 | 1.2 | 22600 | 10.1 | 19040 | 30 | 0.3 | |
| 16-44.5019 | -112.1161 | -2-12 | 0-118558 | | | 63190 | -0.07 | 792 | 25730 | 81 | 167 | 13.4 | 62 | 4.0 | 6 | 1.7 | 35080 | 12.3 | 12580 | 42 | 0.5 | |
| 16-44.4719 | -112.0794 | -2-11 | 0-118559 | | | 56930 | -0.07 | 932 | 12080 | 109 | -103 | 6.2 | 46 | 4.2 | 6 | 1.5 | 20740 | 12.5 | 18880 | 41 | 0.5 | |
| 16-44.4761 | -112.0636 | -2-12 | 0-118560 | | | 54380 | -0.07 | 837 | 14700 | 78 | -79 | 7.5 | 70 | 3.3 | 3 | 1.0 | 21120 | 10.9 | 17310 | 44 | 0.3 | |
| 16-44.4550 | -112.0011 | -2-12 | 0-118561 | | | 61670 | -0.08 | 818 | 8801 | 147 | -112 | 8.7 | 26 | 14.6 | 9 | 1.1 | 23460 | 8.9 | 20200 | 62 | 0.5 | |
| 16-44.4692 | -112.0133 | -2-12 | 0-118562 | | | 53250 | -0.05 | 852 | 8189 | 106 | -91 | 5.8 | 39 | 4.5 | 9 | 1.5 | 14290 | 11.6 | 20070 | 58 | 0.7 | |
| 16-44.4892 | -112.2236 | -2-12 | 0-118563 | | | 44450 | -0.05 | 746 | 43090 | 77 | -82 | 3.4 | 26 | 2.4 | 4 | 1.3 | 12630 | 8.2 | 13750 | 30 | 0.2 | |
| 16-44.4922 | -112.2453 | -2-11 | 0-118564 | | | 48640 | -0.07 | 777 | 10640 | 72 | 214 | 4.3 | 52 | 4.8 | 4 | 1.5 | 17090 | 10.8 | 21060 | 40 | 0.5 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------------|---|------|------|----|----|------|------|-----|------|------|-------|----|---|----|---------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | |
| 30-44.5289-112.4231-2-12- | 0-L19514 | 11090 | 304 | 7023 | 45 | -1 | 4.8 | 4.0 | -177 | -1 | -1 | 6.7 | 2723 | 56 | 2.4 | -31 | 0.493 | | | | |
| 30-44.5302-112.4244-2-12- | 0-L19515 | 10960 | 726 | 6452 | 48 | -1 | 4.8 | 4.2 | -242 | -1 | -1 | 9.1 | 2199 | 56 | -1.1 | 103 | 0.363 | | | | |
| 30-44.5503-112.4289-2-12- | 0-L19516 | 8926 | 1145 | 3176 | 52 | -1 | 3.2 | 3.7 | -318 | -1 | -1 | 7.8 | 1515 | 37 | 2.0 | -16 | 0.372 | | | | |
| 30-44.5078-112.4708-2-12- | 0-L19517 | 7623 | 743 | 4750 | 79 | -1 | 5.6 | 5.0 | -242 | -1 | -1 | 10.7 | 2166 | 51 | 3.6 | 90 | 0.290 | | | | |
| 30-44.5581-112.4664-2-15- | 0-L19518 | 7751 | 899 | 6179 | -22 | -1 | 4.8 | -2.9 | -295 | -1 | -1 | 6.4 | 2166 | 45 | -1.0 | -35 | 0.469 | | | | |
| 30-44.5080-112.5458-2-12- | 0-L19519 | 7349 | 620 | 5224 | 41 | -1 | 4.4 | 5.6 | -202 | -1 | -1 | 11.9 | 2187 | 48 | 3.7 | 76 | 0.361 | | | | |
| 30-44.5347-112.4810-2-12- | 0-L19520 | 11580 | 597 | 8649 | -20 | -1 | 5.8 | 4.8 | 380 | -1 | -1 | 6.5 | 2691 | 47 | 2.2 | 43 | 0.431 | | | | |
| 30-44.5293-112.4853-2-12- | 0-L19521 | 9440 | 1082 | 4928 | 65 | -1 | 6.4 | 6.3 | -276 | -1 | -1 | 14.5 | 2029 | 55 | 3.6 | 80 | 0.290 | | | | |
| 30-44.5356-112.4850-2-12- | 0-L19522 | 8197 | 632 | 5245 | -21 | -1 | 5.0 | 3.9 | -217 | -1 | -1 | 8.3 | 2554 | 59 | -0.9 | -28 | 0.458 | | | | |
| 30-44.5492-112.4669-2-12- | 0-L19523 | 6274 | 827 | 5117 | 40 | -1 | 4.6 | 6.2 | -231 | -1 | -1 | 11.8 | 2608 | 52 | 4.1 | 56 | 0.415 | | | | |
| 30-44.5464-112.5144-2-12- | 0-L19524 | 9492 | 739 | 6116 | 57 | -1 | 5.2 | 5.0 | -259 | -1 | -1 | 11.2 | 2360 | 55 | 2.3 | 84 | 0.357 | | | | |
| 30-44.5722-112.4778-2-11- | 0-L19525 | 6280 | 596 | 7192 | 70 | -2 | 8.6 | 6.2 | -240 | -1 | -1 | 12.1 | 2682 | 62 | 3.4 | 226 | 0.314 | | | | |
| 30-44.6181-112.4664-2-15- | 0-L19526 | 6661 | 766 | 7127 | -22 | -1 | 6.1 | 2.8 | -233 | -1 | -1 | 6.3 | 2577 | 57 | 2.5 | -34 | 0.444 | | | | |
| 30-44.6300-112.5006-2-15- | 0-L19527 | 4528 | 636 | 6872 | 43 | -1 | 5.7 | 5.0 | -203 | -1 | -1 | 10.6 | 2183 | 53 | 3.0 | 78 | 0.292 | | | | |
| 30-44.6472-112.4644-2-15- | 0-L19528 | 6040 | 935 | 8305 | 57 | -1 | 7.5 | 7.1 | -272 | -1 | -1 | 13.0 | 3268 | 67 | 4.6 | -53 | 0.262 | | | | |
| 30-44.6519-112.4433-2-15- | 0-L19529 | 6210 | 653 | 8218 | 61 | -2 | 8.1 | 5.3 | -252 | -2 | -1 | 12.0 | 2794 | 59 | 4.3 | 164 | 0.225 | | | | |
| 30-44.6517-112.4336-2-15- | 0-L19530 | 16910 | 1417 | 8920 | -35 | -2 | 18.1 | 4.7 | -312 | -1 | -1 | 8.2 | 5041 | 140 | 3.6 | -51 | 0.366 | | | | |
| 30-44.6494-112.4217-2-15- | 0-L19531 | 6217 | 607 | 7513 | 63 | -1 | 6.1 | 5.3 | -218 | -1 | -1 | 9.4 | 2483 | 53 | 3.0 | 100 | 0.309 | | | | |
| 30-44.6297-112.3778-2-11- | 0-L19532 | 4394 | 711 | 8863 | 40 | -1 | 5.2 | 5.1 | -248 | -1 | -1 | 10.2 | 2355 | 54 | 3.6 | -63 | 0.314 | | | | |
| 30-44.6214-112.3423-2-15- | 0-L19533 | 8875 | 756 | 5731 | 90 | -2 | 10.5 | 6.5 | -237 | -1 | -1 | 13.2 | 3271 | 59 | 3.8 | -121 | 0.205 | | | | |
| 30-44.6075-112.3217-2-11- | 0-L19534 | 2197 | 199 | 2277 | -16 | -1 | 3.3 | 1.9 | -121 | -1 | -1 | 4.0 | 2130 | 36 | -0.9 | -26 | 0.900 | | | | |
| 30-44.8675-112.2067-2-12- | 0-L19535 | 5112 | 429 | 4331 | 35 | -1 | 5.2 | 5.8 | -160 | 1 | -1 | 13.4 | 5319 | 71 | 4.6 | 81 | 0.373 | | | | |
| 30-44.8347-112.1931-2-12- | 0-L19536 | 7448 | 509 | 4344 | -20 | -1 | 5.0 | 4.8 | -214 | -1 | -1 | 9.1 | 2942 | 49 | 3.7 | 112 | 0.407 | | | | |
| 30-44.8249-112.1917-2-12- | 0-L19537 | 7681 | 514 | 4397 | 53 | -1 | 6.5 | 7.1 | -186 | -1 | -1 | 15.8 | 4923 | 70 | 4.6 | 105 | 0.259 | | | | |
| 30-44.8344-112.1682-2-12- | 0-L19538 | 4799 | 830 | 3928 | -24 | -1 | 5.8 | 4.7 | -224 | -1 | -1 | 13.9 | 7949 | 96 | 3.1 | -35 | 0.367 | | | | |
| 30-44.8206-112.1711-2-12- | 0-L19539 | 4993 | 480 | 4268 | 40 | -1 | 4.9 | 6.2 | -168 | -1 | -1 | 13.7 | 4186 | 64 | 3.4 | -76 | 0.299 | | | | |
| 30-44.8214-112.1635-2-12- | 0-L19540 | 5222 | 503 | 4530 | 71 | -1 | 5.5 | 7.9 | -195 | -1 | -1 | 15.6 | 5102 | 77 | 4.4 | -79 | 0.285 | | | | |
| 30-44.8203-112.1369-2-12- | 0-L19541 | 5294 | 381 | 4011 | 40 | -1 | 5.2 | 4.1 | -157 | -1 | -1 | 11.5 | 3434 | 47 | 4.1 | 91 | 0.296 | | | | |
| 30-44.8322-112.1342-2-12- | 0-L19542 | 5894 | 329 | 4445 | -19 | -1 | 4.0 | 2.2 | -152 | -1 | -1 | 4.4 | 2968 | 47 | 2.5 | -28 | 0.727 | | | | |
| 30-44.8417-112.1252-2-12- | 0-L19543 | 24790 | 819 | 10720 | 35 | -1 | 10.1 | 5.4 | 397 | -1 | -1 | 10.7 | 3477 | 101 | 2.9 | 161 | 0.290 | | | | |
| 30-44.8992-112.1861-2-12- | 0-L19544 | 6827 | 964 | 4265 | 43 | -1 | 6.5 | 6.6 | -265 | -1 | -1 | 14.2 | 5657 | 125 | 3.8 | 111 | 0.239 | | | | |
| 16-44.3511-112.1581-2-15- | 0-L19545 | 4240 | 711 | 10680 | -25 | -1 | 7.0 | 4.2 | -236 | -1 | -1 | 10.0 | 3553 | 65 | 4.2 | -37 | 0.420 | | | | |
| 16-44.3842-112.1158-2-12- | 0-L19546 | 6729 | 989 | 14090 | 83 | -2 | 10.1 | 6.6 | -310 | -1 | -1 | 10.5 | 5037 | 67 | 5.5 | 110 | 0.381 | | | | |
| 16-44.3825-112.1142-2-12- | 0-L19547 | 5162 | 1098 | 11520 | -21 | -2 | 8.6 | 6.8 | -368 | -1 | -1 | 12.0 | 3351 | 69 | 4.4 | 73 | 0.442 | | | | |
| 16-44.4397-112.0802-2-11- | 0-L19548 | 4310 | 362 | 9327 | -23 | -2 | 4.2 | 2.6 | -226 | -2 | -1 | 8.3 | 2472 | 35 | 3.6 | -55 | 0.410 | | | | |
| 16-44.4178-112.1778-2-12- | 0-L19549 | 5790 | 455 | 5818 | -25 | -1 | 4.0 | -2.2 | -227 | -1 | -1 | 5.3 | 1875 | 41 | -1.2 | -19 | 0.472 | | | | |
| 16-44.4181-112.1686-2-12- | 0-L19550 | 3731 | 414 | 6832 | 55 | -1 | 4.5 | 4.1 | -186 | -1 | -1 | 5.0 | 2271 | 48 | 2.5 | 65 | 0.256 | | | | |
| 16-44.4172-112.1682-2-12- | 0-L19551 | 4864 | 458 | 8019 | 59 | -1 | 4.2 | 4.4 | -228 | -1 | -1 | 9.5 | 2713 | 48 | 2.4 | -53 | 0.274 | | | | |
| 16-44.4458-112.1444-2-11- | 0-L19552 | 7085 | 692 | 4766 | 73 | -2 | 7.3 | 5.1 | -233 | -1 | -1 | 12.0 | 2775 | 55 | 4.2 | 162 | 0.223 | | | | |
| 16-44.4428-112.1924-2-12- | 0-L19553 | 6757 | 472 | 3456 | 46 | -1 | 3.3 | 2.8 | -187 | -1 | -1 | 5.6 | 2048 | 31 | 1.9 | 41 | 0.375 | | | | |
| 16-44.4575-112.1642-2-12- | 0-L19554 | 6408 | 608 | 2816 | 42 | -1 | 3.9 | 3.7 | -218 | -1 | -1 | 6.4 | 1840 | 49 | -0.9 | 75 | 0.391 | | | | |
| 16-44.4809-112.1572-2-11- | 0-L19555 | 4309 | 149 | 2660 | -20 | -1 | 3.6 | 3.2 | -156 | -1 | -1 | 6.6 | 1623 | 40 | 3.5 | -20 | 0.500 | | | | |
| 16-44.4856-112.0978-2-12- | 0-L19556 | 5395 | 684 | 11750 | 96 | -2 | 10.5 | 6.4 | -278 | -2 | -1 | 11.4 | 4042 | 71 | 4.5 | 171 | 0.263 | | | | |
| 16-44.4869-112.0975-2-12- | 0-L19557 | 6026 | 458 | 15550 | -25 | -2 | 8.9 | 2.8 | -215 | -1 | -1 | 6.4 | 6060 | 86 | 1.9 | -37 | 0.500 | | | | |
| 16-44.5010-112.1161-2-12- | 0-L19558 | 6248 | 522 | 13980 | 70 | -2 | 12.1 | 6.5 | -232 | 3 | -1 | 10.6 | 5343 | 104 | 3.6 | 154 | 0.340 | | | | |
| 16-44.4710-112.0794-2-11- | 0-L19559 | 4002 | 719 | 11440 | 88 | -2 | 6.3 | 5.7 | 286 | -1 | -1 | 13.2 | 3203 | 62 | 4.1 | 102 | 0.348 | | | | |
| 16-44.4741-112.0636-2-12- | 0-L19560 | 5291 | 407 | 12400 | 87 | -1 | 7.5 | 5.5 | -206 | -1 | -1 | 11.1 | 3123 | 56 | 3.6 | 152 | 0.243 | | | | |
| 16-44.4550-112.0011-2-12- | 0-L19561 | 4032 | 1752 | 7200 | -32 | -2 | 7.2 | 8.1 | -396 | -1 | -1 | 13.2 | 2362 | 54 | 4.6 | -43 | 0.485 | | | | |
| 16-44.4692-112.0132-2-12- | 0-L19562 | -1637 | 909 | 12480 | 94 | -1 | 5.0 | 9.3 | -279 | 3 | 1 | 14.5 | 2849 | 39 | 4.8 | 122 | 0.386 | | | | |
| 16-44.4892-112.2236-2-12- | 0-L19563 | 5714 | 575 | 9484 | 47 | -1 | 3.8 | 4.7 | -244 | -1 | -1 | 8.0 | 2274 | 45 | 2.1 | -41 | 0.300 | | | | |
| 16-44.4022-112.2453-2-11- | 0-L19564 | 4715 | 230 | 6039 | 63 | -2 | 7.2 | 6.0 | -169 | -1 | -1 | 12.3 | 2648 | 55 | -1.4 | 125 | 0.350 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE REPLICATE | DOE LAB LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|---------------|-----------|----------|-------------|-----------|-------------------------------------|----------------------------|---|-----|----|-----|-----|----|----|-----|----|-----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | | |
| 16-44 | 5011-112.2228 | 2-12- | 0-118547 | -5 | 5 | -5 | 16 | -20 | -15 | 9 | -10 | 22 | 5 | -5 | 238 | 2 | 20 | | | | | | |
| 16-44 | 5022-112.2250 | 2-90- | 0-118548 | -5 | -5 | -5 | -10 | -20 | -15 | 11 | -10 | 20 | -5 | -5 | 235 | -1 | 20 | | | | | | |
| 16-44 | 5264-112.2142 | 2-12- | 0-118549 | -5 | 6 | -5 | 16 | -20 | -15 | 9 | -10 | -15 | 6 | -5 | 287 | 2 | 21 | | | | | | |
| 16-44 | 5300-112.2283 | 2-17- | 0-118570 | -5 | 6 | -5 | 19 | -20 | -15 | -5 | -10 | -15 | 15 | -5 | 250 | 2 | 25 | | | | | | |
| 16-44 | 5214-112.1875 | 2-11- | 0-118571 | -5 | 7 | -5 | 30 | -20 | -15 | 14 | -10 | 16 | 10 | -5 | 279 | 2 | 29 | | | | | | |
| 16-44 | 5272-112.1719 | 2-11- | 0-118572 | -5 | 5 | -5 | 26 | -20 | 27 | -5 | -10 | 19 | 6 | -5 | 290 | 1 | 28 | | | | | | |
| 16-44 | 5156-112.1481 | 2-12- | 0-118573 | -5 | -5 | -5 | 26 | -20 | 32 | 12 | -10 | -15 | 8 | -5 | 260 | 1 | 44 | | | | | | |
| 16-44 | 5200-112.2497 | 2-12- | 0-118574 | -5 | -5 | -5 | 17 | -20 | -15 | 16 | -10 | -15 | 5 | -5 | 151 | -1 | 25 | | | | | | |
| 16-44 | 5411-112.2686 | 2-12- | 0-118575 | -5 | -5 | -5 | 11 | -20 | -15 | -5 | -10 | -15 | 5 | -5 | 177 | 1 | 24 | | | | | | |
| 16-44 | 5417-112.2681 | 2-15- | 0-118576 | -5 | 9 | -5 | 17 | -20 | -15 | 10 | -10 | 15 | -5 | -5 | 174 | 2 | 20 | | | | | | |
| 16-44 | 5497-112.2967 | 2-11- | 0-118577 | -5 | 5 | -5 | 26 | -20 | -15 | 13 | -10 | -15 | -5 | -5 | 86 | -1 | 20 | | | | | | |
| 16-44 | 5182-112.2700 | 2-12- | 0-118580 | -5 | 8 | -5 | 26 | -20 | -15 | 9 | -10 | 19 | 6 | -5 | 174 | 2 | 32 | | | | | | |
| 16-44 | 5189-112.2697 | 2-12- | 0-118581 | -5 | -5 | -5 | 22 | -20 | -15 | 9 | -10 | 27 | -5 | -5 | 183 | 1 | 15 | | | | | | |
| 16-44 | 5225-112.3111 | 2-12- | 0-118582 | -5 | 9 | -5 | 19 | -20 | -15 | 7 | -10 | -15 | 7 | -5 | 178 | -1 | 18 | | | | | | |
| 16-44 | 5333-112.3117 | 2-12- | 0-118583 | -5 | -5 | -5 | 20 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 171 | 1 | 25 | | | | | | |
| 16-44 | 5078-112.3558 | 2-11- | 0-118584 | -5 | -5 | -5 | 18 | -20 | 18 | 12 | -10 | -15 | 9 | -5 | 198 | 2 | 35 | | | | | | |
| 16-44 | 4689-112.3406 | 2-12- | 0-118585 | -5 | -5 | -5 | 23 | -20 | -15 | 21 | -10 | -15 | -5 | -5 | 197 | -1 | 27 | | | | | | |
| 16-44 | 4688-112.3450 | 2-12- | 0-118586 | -5 | -5 | -5 | 22 | -20 | -15 | 16 | -10 | -15 | 6 | -5 | 174 | 1 | 31 | | | | | | |
| 16-44 | 4992-112.3508 | 2-12- | 0-118587 | -5 | -5 | -5 | 20 | -20 | -15 | 11 | -10 | -15 | -5 | -5 | 174 | -1 | 21 | | | | | | |
| 16-44 | 5069-112.3264 | 2-12- | 0-118588 | -5 | 5 | -5 | 16 | -20 | -15 | 6 | -10 | -15 | 7 | -5 | 179 | 1 | 23 | | | | | | |
| 16-44 | 5067-112.3356 | 2-12- | 0-118589 | -5 | 7 | -5 | 25 | -20 | 15 | 17 | -10 | -15 | -5 | -5 | 246 | 2 | 20 | | | | | | |
| 16-44 | 4819-112.2536 | 2-12- | 0-118590 | -5 | 7 | -5 | 16 | -20 | -15 | 5 | -10 | 19 | 6 | -5 | 168 | 2 | 22 | | | | | | |
| 16-44 | 4772-112.2817 | 2-12- | 0-118591 | -5 | 5 | -5 | 29 | -20 | -15 | 18 | -10 | 26 | 5 | -5 | 175 | 2 | 32 | | | | | | |
| 16-44 | 4622-112.2186 | 2-12- | 0-118592 | -5 | 5 | -5 | 14 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 180 | -1 | 15 | | | | | | |
| 16-44 | 4591-112.2219 | 2-12- | 0-118593 | -5 | 5 | -5 | 18 | -20 | -15 | 20 | -10 | 15 | -5 | -5 | 196 | -1 | 20 | | | | | | |
| 16-44 | 4267-112.2125 | 2-11- | 0-118594 | -5 | -5 | -5 | 24 | -20 | -15 | 21 | -10 | 21 | -5 | -5 | 138 | 1 | 17 | | | | | | |
| 16-44 | 4136-112.2014 | 2-12- | 0-118595 | -5 | 6 | -5 | 13 | -20 | -15 | 10 | -10 | 15 | -5 | -5 | 179 | -1 | 18 | | | | | | |
| 16-44 | 4153-112.1972 | 2-12- | 0-118596 | -5 | 5 | -5 | 10 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 247 | 1 | 17 | | | | | | |
| 16-44 | 4689-112.1794 | 2-11- | 0-118598 | -5 | -5 | -5 | 28 | -20 | -15 | 10 | -10 | 15 | 6 | -5 | 160 | -1 | 18 | | | | | | |
| 16-44 | 3632-112.1844 | 2-12- | 0-118599 | -5 | 6 | -5 | 37 | -20 | 29 | 35 | -10 | 22 | -5 | -5 | 268 | 2 | 19 | | | | | | |
| 16-44 | 3536-112.1786 | 2-12- | 0-118600 | -5 | 6 | -5 | 18 | -20 | -15 | 13 | -10 | -15 | -5 | -5 | 251 | 1 | 14 | | | | | | |
| 16-44 | 2997-112.2033 | 2-12- | 0-118601 | -5 | 6 | -5 | 18 | -20 | -15 | 13 | -10 | 20 | -5 | -5 | 248 | 2 | 19 | | | | | | |
| 16-44 | 3222-112.1636 | 2-12- | 0-118602 | -5 | 9 | -5 | 14 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 433 | 1 | 11 | | | | | | |
| 16-44 | 3217-112.1629 | 2-15- | 0-118603 | -5 | 5 | -5 | 12 | -20 | -15 | 12 | -10 | -15 | 9 | -5 | 426 | 3 | 25 | | | | | | |
| 16-44 | 3611-112.1058 | 2-11- | 0-118604 | -5 | -5 | -5 | 53 | -20 | 102 | 7 | -10 | 19 | 10 | -5 | 177 | 9 | 20 | | | | | | |
| 16-44 | 3706-112.1139 | 2-12- | 0-118605 | -5 | -5 | -5 | 29 | -20 | 18 | 10 | -10 | -15 | 10 | -5 | 209 | 2 | 19 | | | | | | |
| 16-44 | 3517-112.0800 | 2-12- | 0-118607 | -5 | 8 | -5 | 20 | -20 | -15 | 19 | -10 | -15 | 11 | -5 | 354 | 3 | 24 | | | | | | |
| 16-44 | 3753-112.0756 | 2-12- | 0-118609 | -5 | 5 | -5 | 18 | -20 | -15 | 13 | -10 | -15 | 13 | -5 | 286 | 3 | 30 | | | | | | |
| 16-44 | 3539-112.0739 | 2-15- | 0-118610 | -5 | 8 | -5 | 28 | -20 | -15 | 24 | -10 | 20 | 21 | -5 | 279 | 4 | 38 | | | | | | |
| 16-44 | 3692-112.0683 | 2-11- | 0-118611 | -5 | 18 | -5 | 26 | 26 | -15 | 42 | -10 | 24 | 10 | -5 | 553 | 6 | 128 | | | | | | |
| 16-44 | 3517-112.0247 | 2-15- | 0-118612 | -5 | 6 | -5 | 27 | -20 | -15 | 17 | -10 | 15 | 8 | -5 | 259 | 2 | 28 | | | | | | |
| 16-44 | 3467-112.0317 | 2-15- | 0-118613 | -5 | 8 | -5 | 24 | -20 | -15 | 27 | -10 | -15 | -5 | -5 | 226 | 3 | 29 | | | | | | |
| 16-44 | 3511-112.0356 | 2-15- | 0-118614 | -5 | -5 | -5 | 21 | -20 | 17 | 11 | -10 | 18 | 8 | -5 | 296 | 3 | 24 | | | | | | |
| 16-44 | 3794-112.0525 | 2-12- | 0-118615 | -5 | 7 | -5 | 20 | -20 | -15 | 14 | -10 | 17 | 28 | -5 | 342 | 2 | 29 | | | | | | |
| 16-44 | 3772-112.0436 | 2-12- | 0-118616 | -5 | 8 | -5 | -10 | -20 | -15 | 17 | -10 | 15 | 27 | -5 | 282 | 3 | 25 | | | | | | |
| 16-44 | 3528-112.0572 | 2-15- | 0-118617 | -5 | 9 | -5 | 15 | -20 | -15 | 19 | -10 | -15 | 26 | -5 | 255 | 3 | 28 | | | | | | |
| 16-44 | 3503-112.0906 | 2-15- | 0-118618 | -5 | -5 | -5 | 43 | -20 | 35 | 5 | -10 | 29 | 11 | -5 | 149 | -1 | 28 | | | | | | |
| 16-44 | 3322-112.1169 | 2-15- | 0-118619 | -5 | 8 | -5 | 31 | -20 | -15 | 19 | -10 | -15 | 13 | -5 | 303 | 2 | 36 | | | | | | |
| 16-44 | 3328-112.1181 | 2-15- | 0-118620 | -5 | 6 | -5 | 21 | -20 | -15 | 15 | -10 | -15 | 21 | -5 | 268 | 3 | 28 | | | | | | |
| 16-44 | 4461-112.2622 | 2-12- | 0-118621 | -5 | 7 | -5 | 11 | -20 | -15 | 11 | -10 | -15 | -5 | -5 | 177 | 1 | 19 | | | | | | |
| 16-44 | 4253-112.2814 | 2-12- | 0-118622 | -5 | -5 | -5 | 18 | -20 | -15 | 12 | -10 | -15 | -5 | -5 | 159 | 1 | 20 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|--|---|------|----|------|----|-----|-------|------|-------|-----|-----|----|----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 16-44.5011-112.2228-2-12- | 0-118567 | 45300 | -0.05 | 734 | 13440 | 52 | -79 | 3.7 | 26 | -1.3 | 3 | 0.8 | 14190 | 7.9 | 15570 | 28 | 0.3 | | | |
| 16-44.5022-112.2250-2-99- | 0-118568 | 39630 | -0.05 | 750 | 26160 | 59 | 170 | 3.0 | 31 | 2.7 | 4 | 0.6 | 13570 | 9.2 | 16280 | 29 | 0.3 | | | |
| 16-44.5264-112.2542-2-12- | 0-118569 | 42210 | -0.06 | 713 | 17650 | 74 | -104 | 6.0 | 29 | 3.1 | 3 | 1.2 | 16960 | 12.0 | 14360 | 36 | 0.3 | | | |
| 16-44.5300-112.2283-2-12- | 0-118570 | 50600 | -0.07 | 737 | 17280 | 70 | 416 | 8.8 | 52 | 3.0 | 4 | 0.9 | 22800 | 12.5 | 15130 | 39 | 0.4 | | | |
| 16-44.5214-112.1875-2-11- | 0-118571 | 55220 | -0.06 | 813 | 7139 | 81 | -117 | 5.9 | 33 | -1.5 | 7 | 1.0 | 19720 | 9.5 | 22570 | 40 | 0.4 | | | |
| 16-44.5272-112.1719-2-11- | 0-118572 | 60040 | -0.08 | 533 | 20410 | 59 | -115 | 19.5 | 78 | 3.9 | 4 | 1.3 | 39070 | 10.0 | 14350 | 29 | 0.4 | | | |
| 16-44.5156-112.1481-2-12- | 0-118573 | 64050 | -0.11 | 740 | 25830 | 79 | -126 | 19.9 | 95 | -2.2 | 7 | 1.5 | 42780 | 10.3 | 14210 | 48 | 0.5 | | | |
| 16-44.5200-112.2497-2-12- | 0-118574 | 41270 | -0.09 | 609 | 35610 | 61 | -87 | 4.8 | 34 | 3.4 | 4 | 1.2 | 18600 | 6.6 | 12890 | 29 | 0.2 | | | |
| 16-44.5411-112.2686-2-12- | 0-118575 | 45010 | -0.06 | 745 | 68790 | 66 | 121 | 3.6 | 24 | 2.4 | 3 | 1.1 | 13630 | 8.1 | 14140 | 33 | 0.3 | | | |
| 16-44.5417-112.2681-2-15- | 0-118576 | 41560 | -0.07 | 715 | 76970 | 60 | 202 | 3.9 | 32 | 2.5 | 3 | 1.2 | 14310 | 7.5 | 13780 | 36 | 0.2 | | | |
| 16-44.5497-112.2967-2-11- | 0-118577 | 30850 | -0.07 | 607 | 115300 | 37 | 293 | 4.2 | 32 | 3.0 | 3 | 0.5 | 12270 | 3.8 | 9918 | 22 | 0.2 | | | |
| 16-44.5183-112.2700-2-12- | 0-118580 | 40550 | -0.09 | 709 | 37460 | 76 | -86 | 5.6 | 42 | 3.4 | 4 | 1.0 | 19810 | 8.2 | 16250 | 33 | 0.4 | | | |
| 16-44.5189-112.2697-2-12- | 0-118581 | 36580 | -0.06 | 639 | 17120 | 57 | -69 | 3.5 | 34 | 3.1 | 3 | 0.6 | 13940 | 7.8 | 14520 | 37 | 0.2 | | | |
| 16-44.5328-112.2111-2-12- | 0-118582 | 36240 | -0.07 | 659 | 34170 | 58 | 172 | 3.3 | 26 | 2.0 | 3 | 1.2 | 11610 | 8.2 | 10150 | 29 | 0.3 | | | |
| 16-44.5332-112.3117-2-12- | 0-118583 | 46150 | -0.07 | 795 | 33360 | 66 | -98 | 4.6 | 29 | 2.5 | 4 | 0.8 | 14850 | 9.0 | 17810 | 41 | 0.2 | | | |
| 16-44.5078-112.3558-2-11- | 0-118584 | 64270 | -0.10 | 751 | 15100 | 83 | -68 | 6.1 | 49 | 5.4 | 4 | 1.5 | 23180 | 8.0 | 17240 | 33 | 0.5 | | | |
| 16-44.4689-112.3406-2-12- | 0-118585 | 45860 | -0.07 | 675 | 9880 | 67 | -59 | 4.1 | 46 | 3.7 | 5 | 1.4 | 14800 | 8.6 | 13760 | 37 | 0.4 | | | |
| 16-44.4686-112.3450-2-12- | 0-118586 | 46540 | -0.07 | 583 | 12310 | 60 | -68 | 4.4 | 46 | 4.4 | 4 | 1.3 | 16920 | 7.2 | 13560 | 39 | 0.1 | | | |
| 16-44.4992-112.3508-2-12- | 0-118587 | 38050 | -0.07 | 532 | 20310 | 41 | -78 | 3.8 | 30 | 3.2 | 4 | 0.4 | 13290 | 6.9 | 11500 | 21 | 0.3 | | | |
| 16-44.5060-112.3264-2-12- | 0-118589 | 44610 | -0.08 | 736 | 13460 | 65 | -66 | 3.5 | 38 | 2.8 | 4 | 1.1 | 14740 | 8.4 | 17390 | 31 | 0.3 | | | |
| 16-44.5067-112.3256-2-12- | 0-118580 | 46380 | -0.07 | 674 | 15490 | 75 | -91 | 5.1 | 43 | 3.3 | 4 | 1.3 | 18080 | 10.2 | 15290 | 37 | 0.3 | | | |
| 16-44.4819-112.2536-2-12- | 0-118590 | 42290 | -0.07 | 598 | 23270 | 59 | -80 | 4.1 | 28 | 3.6 | 3 | 1.2 | 13470 | 7.1 | 16590 | 30 | 0.2 | | | |
| 16-44.4772-112.2617-2-12- | 0-118591 | 47970 | -0.08 | 646 | 16000 | 59 | -79 | 3.7 | 44 | 3.8 | 5 | 1.2 | 17200 | 6.7 | 13920 | 33 | 0.3 | | | |
| 16-44.4622-112.2186-2-12- | 0-118592 | 33250 | -0.07 | 649 | 59970 | 50 | -77 | 4.2 | 31 | 1.6 | 3 | 1.0 | 13290 | 7.1 | 13520 | 23 | 0.3 | | | |
| 16-44.4581-112.2219-2-12- | 0-118593 | 37250 | -0.07 | 651 | 13480 | 58 | -68 | 4.7 | 44 | 3.3 | 4 | 1.2 | 17460 | 8.6 | 13560 | 32 | 0.3 | | | |
| 16-44.4274-112.2128-2-11- | 0-118594 | 42140 | -0.09 | 612 | 19390 | 52 | 137 | 4.9 | 42 | 4.6 | 4 | 1.1 | 14000 | 6.2 | 12350 | 15 | 0.3 | | | |
| 16-44.4136-112.2014-2-12- | 0-118595 | 34680 | -0.06 | 663 | 11750 | 50 | -62 | 3.9 | 40 | 2.7 | 4 | 0.6 | 11660 | 8.9 | 15550 | 30 | 0.3 | | | |
| 16-44.4153-112.1972-2-12- | 0-118596 | 37770 | -0.07 | 622 | 42110 | 68 | -72 | 4.5 | 39 | 2.4 | 3 | 1.1 | 12840 | 11.3 | 14660 | 26 | 0.3 | | | |
| 16-44.4689-112.1794-2-11- | 0-118598 | 40920 | -0.08 | 637 | 13540 | 51 | -76 | 6.7 | 39 | 2.8 | 4 | 0.7 | 15270 | 7.0 | 15080 | 25 | 0.3 | | | |
| 16-44.3633-112.1844-2-12- | 0-118599 | 43710 | -0.07 | 715 | 11470 | 75 | -76 | 6.1 | 68 | 3.6 | 5 | 1.3 | 18430 | 10.9 | 13480 | 35 | 0.4 | | | |
| 16-44.3536-112.1786-2-12- | 0-118600 | 22440 | -0.06 | 652 | 19340 | 62 | 135 | 4.1 | 27 | 2.1 | 3 | 1.0 | 12590 | 10.2 | 13420 | 30 | 0.3 | | | |
| 16-44.2997-112.2033-2-12- | 0-118601 | 41170 | -0.08 | 689 | 26660 | 78 | 118 | 4.8 | 43 | 2.7 | 4 | 1.3 | 15280 | 11.8 | 17660 | 32 | 0.4 | | | |
| 16-44.3222-112.1636-2-12- | 0-118602 | 32630 | -0.06 | 622 | 19270 | 76 | -59 | 3.5 | 34 | 1.8 | 3 | 0.8 | 12340 | 18.5 | 12830 | 38 | 0.3 | | | |
| 16-44.3217-112.1628-2-15- | 0-118603 | 52510 | -0.08 | 785 | 10110 | 107 | -97 | 7.2 | 52 | 7.0 | 6 | 1.4 | 23100 | 17.4 | 23130 | 43 | 0.6 | | | |
| 16-44.3611-112.1058-2-11- | 0-118604 | 69930 | -0.12 | 677 | 14470 | 85 | -108 | 40.0 | 91 | 9.6 | 10 | 2.3 | 42910 | 6.2 | 13940 | 48 | 0.5 | | | |
| 16-44.3706-112.1129-2-12- | 0-118605 | 55130 | -0.10 | 674 | 17800 | 83 | -94 | 12.1 | 62 | 5.3 | 5 | 1.4 | 29680 | 9.1 | 16790 | 34 | 0.3 | | | |
| 16-44.3517-112.0800-2-12- | 0-118607 | 57390 | -0.08 | 1145 | 8654 | 118 | -92 | 7.7 | 51 | 5.9 | 7 | 1.0 | 24400 | 13.8 | 22570 | 56 | 0.5 | | | |
| 16-44.3753-112.0756-2-12- | 0-118608 | 58240 | -0.08 | 906 | 11480 | 103 | 197 | 4.6 | 51 | 8.0 | 6 | 1.5 | 16470 | 12.1 | 24250 | 47 | 0.6 | | | |
| 16-44.3539-112.0739-2-15- | 0-118609 | 61290 | -0.09 | 649 | 9385 | 127 | -102 | 5.7 | 47 | 11.1 | 10 | 1.4 | 22760 | 11.4 | 20980 | 52 | 0.7 | | | |
| 16-44.3692-112.0082-2-11- | 0-118610 | 137700 | -0.11 | 2632 | 5808 | 354 | -72 | 3.5 | 34 | 2.9 | 18 | 2.8 | 33450 | 26.1 | 8055 | 104 | 1.7 | | | |
| 16-44.3517-112.0247-2-15- | 0-118611 | 55020 | -0.08 | 758 | 8514 | 72 | -76 | 8.0 | 62 | 5.2 | 5 | 1.4 | 23900 | 10.0 | 19720 | 38 | 0.4 | | | |
| 16-44.3667-112.0217-2-15- | 0-118612 | 54710 | -0.07 | 760 | 8028 | 85 | -88 | 7.9 | 62 | 4.9 | 5 | 1.5 | 22880 | 8.3 | 19070 | 37 | 0.4 | | | |
| 16-44.3511-112.0356-2-15- | 0-118613 | 51820 | -0.08 | 847 | 9744 | 110 | -91 | 4.9 | 55 | 5.1 | 9 | 1.5 | 19590 | 13.4 | 18860 | 52 | 0.6 | | | |
| 16-44.3794-112.0525-2-12- | 0-118614 | 49610 | -0.10 | 792 | 10850 | 129 | 199 | 5.0 | 45 | 10.9 | 8 | 1.7 | 16210 | 17.1 | 19670 | 50 | 0.7 | | | |
| 16-44.3772-112.0436-2-12- | 0-118615 | 54740 | -0.08 | 793 | 7923 | 103 | -82 | 5.0 | 50 | 12.7 | 8 | 1.2 | 17680 | 11.5 | 20310 | 46 | 0.6 | | | |
| 16-44.3529-112.0572-2-15- | 0-118616 | 60210 | -0.07 | 771 | 7152 | 121 | -86 | 5.1 | 49 | 16.5 | 7 | 1.6 | 20440 | 12.1 | 20310 | 50 | 0.7 | | | |
| 16-44.2502-112.0066-2-15- | 0-118617 | 73700 | -0.10 | 698 | 21680 | 62 | -115 | 22.7 | 65 | 3.3 | 5 | 1.7 | 43670 | 5.2 | 15840 | 34 | 0.4 | | | |
| 16-44.3322-112.1169-2-15- | 0-118618 | 59140 | -0.09 | 833 | 10420 | 129 | -90 | 7.9 | 60 | 9.3 | 7 | 1.6 | 23370 | 14.3 | 22990 | 47 | 0.7 | | | |
| 16-44.3328-112.1181-2-15- | 0-118619 | 62060 | -0.09 | 717 | 10510 | 133 | -90 | 8.4 | 62 | 11.3 | 8 | 1.5 | 25120 | 11.3 | 19330 | 61 | 0.7 | | | |
| 16-44.4461-112.2633-2-12- | 0-118620 | 33320 | -0.07 | 636 | 17090 | 47 | -84 | 3.8 | 34 | 2.9 | 3 | 1.0 | 13710 | 7.6 | 15130 | 22 | 0.2 | | | |
| 16-44.4253-112.2814-2-12- | 0-118621 | 37580 | -0.06 | 666 | 11500 | 45 | -72 | 2.8 | 32 | 2.9 | 4 | 0.6 | 11560 | 6.5 | 15030 | 24 | 0.3 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | U/Th RATIO | |
|-------------------|----------|-----------|---------|-------------|-----------|---|---|-----|----|------|------|------|----|----|------|------|-----|------|---------------|-------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | | V |
| 16-44 | 5011 | -112.2228 | -2-12- | 0-119567 | 4617 | 415 | 7963 | -22 | -1 | 4.6 | 3.5 | -199 | -1 | -1 | 6.9 | 2779 | 40 | 2.2 | -35 | 0.362 |
| 16-44 | 5022 | -112.2256 | -2-99- | 0-119568 | 9707 | 482 | 7815 | 43 | -1 | 4.5 | 4.5 | 314 | -1 | -1 | 8.3 | 2242 | 43 | 2.3 | 58 | 0.289 |
| 16-44 | 5264 | -112.2542 | -2-12- | 0-119569 | 5647 | 1458 | 9649 | -22 | -1 | 4.8 | 4.6 | -374 | -1 | -1 | 8.5 | 2583 | 47 | 2.4 | 59 | 0.329 |
| 16-44 | 5300 | -112.2283 | -2-12- | 0-119570 | 4652 | 607 | 12610 | 75 | -2 | 7.4 | 4.9 | -243 | -1 | -1 | 10.2 | 3263 | 49 | 3.8 | 150 | 0.294 |
| 16-44 | 5214 | -112.1875 | -2-11- | 0-119571 | 2798 | 666 | 14390 | 81 | -2 | 5.7 | 4.1 | -266 | -1 | -1 | 10.2 | 3400 | 55 | 4.0 | -36 | 0.412 |
| 16-44 | 5272 | -112.1719 | -2-11- | 0-119572 | 8720 | 1079 | 10980 | -32 | -2 | 12.5 | 4.5 | -307 | -1 | -1 | 8.1 | 5500 | 142 | 3.4 | 117 | 0.333 |
| 16-44 | 5156 | -112.1481 | -2-12- | 0-119573 | 12190 | 961 | 13560 | -38 | -3 | 14.8 | 6.3 | -321 | -1 | -1 | 10.7 | 7413 | 143 | 4.2 | 168 | 0.327 |
| 16-44 | 5200 | -112.2497 | -2-12- | 0-119574 | 6143 | 916 | 5663 | -27 | -2 | 4.6 | 5.0 | -330 | -1 | -1 | 8.6 | 2153 | 43 | -1.6 | -14 | 0.279 |
| 16-44 | 5411 | -112.2686 | -2-12- | 0-119575 | 9304 | 293 | 9086 | -18 | -1 | 4.1 | 4.5 | 442 | -1 | -1 | 9.5 | 2138 | 39 | 2.4 | 111 | 0.274 |
| 16-44 | 5417 | -112.2681 | -2-15- | 0-119576 | 11100 | 384 | 6916 | 61 | -2 | 4.7 | 5.6 | -210 | -1 | -1 | 9.3 | 2502 | 43 | -1.1 | 65 | 0.323 |
| 16-44 | 5497 | -112.2567 | -2-11- | 0-119577 | 13020 | 615 | 5364 | -25 | -2 | 3.9 | 3.1 | 703 | -1 | -1 | 6.3 | 1319 | 35 | -1.4 | 76 | 0.444 |
| 16-44 | 5182 | -112.2700 | -2-12- | 0-119578 | 6444 | 929 | 6234 | 57 | -2 | 5.9 | 5.4 | -324 | -1 | -1 | 11.7 | 2249 | 49 | -1.8 | 105 | 0.239 |
| 16-44 | 5180 | -112.2697 | -2-12- | 0-119581 | 5411 | 559 | 5635 | -21 | -2 | 3.9 | 4.4 | -233 | -1 | -1 | 8.0 | 1951 | 39 | -1.1 | 88 | 0.325 |
| 16-44 | 5328 | -112.2111 | -2-12- | 0-119582 | 5315 | 227 | 6540 | 55 | -2 | 4.0 | 5.5 | -188 | -1 | -1 | 7.4 | 1793 | 39 | -1.1 | 89 | 0.459 |
| 16-44 | 5322 | -112.2117 | -2-12- | 0-119583 | 10330 | 654 | 7343 | 44 | -2 | 4.8 | 4.7 | -256 | -1 | -1 | 8.9 | 1741 | 50 | 2.9 | 105 | 0.382 |
| 16-44 | 5078 | -112.3558 | -2-11- | 0-119584 | 9752 | 302 | 6513 | 70 | -2 | 8.0 | 6.4 | -197 | -1 | 2 | 14.8 | 3076 | 83 | 4.2 | 61 | 0.284 |
| 16-44 | 4680 | -112.3406 | -2-12- | 0-119585 | 5226 | 306 | 5095 | 62 | -2 | 5.8 | 6.4 | -177 | -1 | -1 | 10.2 | 2714 | 47 | 4.2 | -79 | 0.343 |
| 16-44 | 4686 | -112.3450 | -2-12- | 0-119586 | 4707 | 198 | 4988 | 62 | -2 | 6.0 | 6.2 | -163 | -1 | -1 | 9.3 | 2396 | 51 | 2.9 | -67 | 0.441 |
| 16-44 | 4992 | -112.3508 | -2-12- | 0-119587 | 4951 | 324 | 5049 | 40 | -2 | 4.1 | 3.3 | -195 | -1 | -1 | 6.9 | 1847 | 46 | 2.2 | -63 | 0.420 |
| 16-44 | 5069 | -112.3364 | -2-12- | 0-119588 | 5608 | 249 | 5737 | 58 | -2 | 4.8 | 5.4 | -183 | -1 | -1 | 9.6 | 2062 | 47 | 2.2 | -79 | 0.333 |
| 16-44 | 5067 | -112.3356 | -2-12- | 0-119589 | 7214 | 754 | 6080 | 93 | -2 | 5.7 | 5.3 | -249 | -1 | -1 | 9.9 | 2571 | 53 | 2.5 | -32 | 0.293 |
| 16-44 | 4810 | -112.2536 | -2-12- | 0-119590 | 5177 | 355 | 6288 | 63 | -2 | 4.9 | 5.1 | -197 | -1 | -1 | 8.1 | 2311 | 42 | 2.7 | -89 | 0.321 |
| 16-44 | 4772 | -112.2817 | -2-12- | 0-119591 | 6562 | 201 | 5589 | -26 | -2 | 5.9 | 5.2 | -168 | -1 | -1 | 9.2 | 2385 | 50 | 2.3 | 89 | 0.348 |
| 16-44 | 4622 | -112.2186 | -2-12- | 0-119592 | 5018 | 845 | 5300 | 45 | -2 | 3.9 | 3.7 | -280 | -1 | -1 | 7.3 | 2189 | 40 | -1.2 | -37 | 0.288 |
| 16-44 | 4591 | -112.2210 | -2-12- | 0-119593 | 3119 | 789 | 5653 | 60 | -2 | 4.9 | 4.4 | -262 | -1 | -1 | 9.6 | 2611 | 41 | 2.7 | 54 | 0.281 |
| 16-44 | 4267 | -112.2128 | -2-11- | 0-119594 | 4358 | 265 | 6004 | -27 | -2 | 5.3 | 3.3 | -219 | -2 | -1 | 7.2 | 2265 | 48 | 3.7 | 89 | 0.486 |
| 16-44 | 4136 | -112.2014 | -2-12- | 0-119595 | 4275 | 284 | 5153 | 62 | -1 | 4.0 | 3.9 | -152 | 1 | -1 | 8.0 | 1902 | 41 | -1.1 | 64 | 0.313 |
| 16-44 | 4152 | -112.1972 | -2-12- | 0-119596 | 5707 | 477 | 6713 | 47 | -2 | 4.0 | 4.3 | -222 | -1 | -1 | 8.3 | 2512 | 46 | 3.2 | | 0.313 |
| 16-44 | 4689 | -112.1794 | -2-11- | 0-119598 | 5141 | 315 | 6886 | 54 | -2 | 5.1 | 3.6 | -215 | -1 | -1 | 8.0 | 3005 | 50 | 1.9 | 113 | 0.300 |
| 16-44 | 3633 | -112.1844 | -2-12- | 0-119599 | 4956 | 275 | 7256 | 55 | -2 | 6.4 | 5.8 | -179 | -1 | -1 | 9.9 | 2898 | 49 | 3.0 | 114 | 0.343 |
| 16-44 | 3536 | -112.1786 | -2-12- | 0-119600 | 4626 | 489 | 6380 | 46 | -1 | 3.6 | 4.2 | -196 | -1 | -1 | 8.5 | 2662 | 43 | -0.9 | 49 | 0.294 |
| 16-44 | 2997 | -112.2033 | -2-12- | 0-119601 | 4665 | 478 | 7939 | 42 | -2 | 4.8 | 5.2 | -229 | -1 | -1 | 10.5 | 2512 | 46 | 3.4 | -53 | 0.257 |
| 16-44 | 3222 | -112.1636 | -2-12- | 0-119602 | 2855 | 276 | 6379 | 44 | -1 | 3.7 | 4.7 | 192 | -1 | -1 | 9.2 | 2792 | 42 | 2.1 | -59 | 0.304 |
| 16-44 | 3217 | -112.1628 | -2-15- | 0-119603 | 4952 | 413 | 11270 | 73 | -2 | 7.4 | 7.9 | -218 | -1 | -1 | 12.0 | 3769 | 56 | 4.6 | 104 | 0.392 |
| 16-44 | 3611 | -112.1058 | -2-11- | 0-119604 | 7189 | 794 | 8732 | -43 | -3 | 15.7 | 9.2 | -286 | -1 | -1 | 9.1 | 5401 | 125 | 5.1 | 302 | 0.396 |
| 16-44 | 3706 | -112.1129 | -2-12- | 0-119605 | 5370 | 729 | 10550 | 68 | -2 | 9.4 | 5.4 | -290 | -1 | -1 | 8.5 | 4476 | 93 | 3.6 | 121 | 0.329 |
| 16-44 | 3511 | -112.0800 | -2-12- | 0-119607 | 3793 | 704 | 14320 | 108 | -1 | 6.8 | 7.3 | -261 | 2 | 1 | 16.2 | 2850 | 54 | 5.1 | 121 | 0.331 |
| 16-44 | 3752 | -112.0756 | -2-12- | 0-119608 | 4140 | 498 | 14850 | 61 | -2 | 6.0 | 9.3 | -221 | 2 | -1 | 13.8 | 2807 | 41 | 4.2 | 43 | 0.391 |
| 16-44 | 3539 | -112.0739 | -2-15- | 0-119609 | 4892 | 587 | 11090 | 86 | 5 | 8.0 | 8.8 | -238 | 2 | 1 | 16.9 | 2576 | 49 | 5.7 | 163 | 0.402 |
| 16-44 | 2692 | -112.0883 | -2-11- | 0-119610 | 3727 | 439 | 6469 | -31 | -3 | 10.6 | 22.4 | -237 | 7 | 3 | 67.4 | 2665 | 28 | 14.2 | 98 | 0.105 |
| 16-44 | 3517 | -112.0247 | -2-15- | 0-119611 | 5017 | 650 | 5780 | 80 | -2 | 7.5 | 5.4 | -236 | -1 | -1 | 11.8 | 3843 | 73 | 3.7 | 116 | 0.305 |
| 16-44 | 3467 | -112.0317 | -2-15- | 0-119612 | 4070 | 661 | 9345 | 67 | -2 | 7.6 | 7.2 | -239 | -1 | -1 | 11.3 | 3209 | 69 | 3.7 | 86 | 0.319 |
| 16-44 | 3511 | -112.0256 | -2-15- | 0-119613 | 4222 | 382 | 11720 | 83 | -2 | 6.9 | 8.6 | -195 | 2 | -1 | 14.9 | 2566 | 58 | 4.7 | 133 | 0.356 |
| 16-44 | 3794 | -112.0525 | -2-12- | 0-119614 | 4422 | 701 | 10700 | 73 | 6 | 5.2 | 8.4 | -301 | -1 | -1 | 15.2 | 2187 | 43 | 6.6 | -106 | 0.349 |
| 16-44 | 3772 | -112.0436 | -2-12- | 0-119615 | 4461 | 536 | 11040 | 82 | -3 | 5.8 | 6.8 | -235 | 2 | -1 | 15.6 | 2724 | 48 | 6.3 | 81 | 0.333 |
| 16-44 | 3529 | -112.0572 | -2-15- | 0-119616 | 4135 | 407 | 9817 | 89 | -3 | 7.3 | 10.5 | -197 | 3 | -1 | 18.2 | 2456 | 49 | 4.5 | 141 | 0.313 |
| 16-44 | 3502 | -112.0906 | -2-15- | 0-119617 | 6963 | 897 | 12900 | 61 | -3 | 14.6 | 6.0 | -283 | -1 | -1 | 7.8 | 5145 | 117 | 3.5 | 125 | 0.333 |
| 16-44 | 3322 | -112.1169 | -2-15- | 0-119618 | 4490 | 624 | 11460 | 77 | -2 | 7.6 | 8.2 | -258 | -1 | -1 | 16.9 | 3042 | 55 | 5.0 | 132 | 0.320 |
| 16-44 | 3328 | -112.1181 | -2-15- | 0-119619 | 5118 | 589 | 11590 | 82 | -2 | 8.5 | 8.7 | -252 | 2 | -1 | 17.6 | 3457 | 56 | 6.4 | 124 | 0.341 |
| 16-44 | 4461 | -112.2633 | -2-12- | 0-119620 | 4236 | 604 | 4306 | -21 | -2 | 4.2 | 3.7 | -255 | -1 | -1 | 6.9 | 1664 | 31 | 1.7 | 61 | 0.377 |
| 16-44 | 4253 | -112.2814 | -2-12- | 0-119621 | 3622 | 307 | 6023 | -21 | -2 | 4.3 | 3.9 | -173 | -1 | -1 | 7.3 | 2094 | 43 | -1.1 | 81 | 0.342 |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

①

| DOE SAMPLE NUMBER | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | | | |
|-------------------|---------------|-----------|----------|-------------|--|-----------------------------|--------------|------|-----------------|-------------------|----------|----------------------|-----|------------------------|-----------------------------|-----------|------------|---------------|----------------|-----------------|-------------|-------------|----------------|-----------------|--------------------|-------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REAL DATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH | CONDUCTIVITY (umho/cm) | SCINTILLOMETER (cpm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | REFUG | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44 | 4211-112.3203 | -2-11- | 0-119622 | 06/21/79 | 13 | 22 | 5.7 | - | - | - | - | - | 8.0 | 140 | 6-2-6-5-6-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.4 | |
| 16-44 | 4233-112.2844 | -2-12- | 0-119623 | 06/21/79 | 13 | 23 | 8.4 | - | - | - | - | - | 8.1 | 165 | 12-2-6-5-6-3-2-1-2-4-3-4-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.9 | |
| 16-44 | 4217-112.2814 | -2-12- | 0-119624 | 06/21/79 | 13 | 23 | 7.8 | - | - | - | - | - | 8.3 | 135 | 6-2-6-3-6-3-3-1-2-2-3-4-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.0 | |
| 16-44 | 4208-112.3503 | -2-11- | 0-119625 | 06/21/79 | 13 | 20 | 9.0 | - | - | - | - | - | 8.2 | 48 | 5-2-6-5-2-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.9 | |
| 16-44 | 4022-112.2653 | -2-12- | 0-119626 | 06/21/79 | 14 | 18 | 9.1 | - | - | - | - | - | 8.2 | 29 | 13-2-6-3-6-3-3-1-2-4-3-3-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.2 | | |
| 16-44 | 3697-112.3950 | -2-12- | 0-119627 | 06/21/79 | 15 | 21 | 8.9 | - | - | - | - | - | 8.2 | 68 | 6-2-6-3-6-3-3-1-2-2-3-4-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.7 | |
| 16-44 | 3717-112.3994 | -2-12- | 0-119628 | 06/21/79 | 16 | 21 | 10.5 | - | - | - | - | - | 8.3 | 200 | 8-2-6-5-6-3-3-1-2-4-3-4-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.9 | |
| 16-44 | 3708-112.3533 | -2-15- | 0-119629 | 06/21/79 | 16 | 23 | - | - | - | - | - | - | - | - | 5-2-6-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.1 | |
| 16-44 | 3219-112.3558 | -2-15- | 0-119630 | 06/21/79 | 16 | 24 | - | - | - | - | - | - | - | - | 8-2-6-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.1 | |
| 16-44 | 3272-112.3447 | -2-12- | 0-119631 | 06/21/79 | 17 | 22 | 16.2 | - | - | - | - | - | 6.3 | 81 | 13-2-6-5-6-3-3-1-2-4-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | |
| 16-44 | 3011-112.3506 | -2-15- | 0-119632 | 06/21/79 | 18 | 22 | - | - | - | - | - | - | - | - | 18-2-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.3 | |
| 16-44 | 3022-112.3266 | -2-15- | 0-119633 | 06/21/79 | 18 | 22 | - | - | - | - | - | - | - | - | 14-2-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.3 | |
| 16-44 | 3194-112.3091 | -2-15- | 0-119634 | 06/21/79 | 18 | 22 | - | - | - | - | - | - | - | - | 29-2-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.4 | |
| 16-44 | 3273-112.2842 | -2-15- | 0-119635 | 06/21/79 | 18 | 22 | - | - | - | - | - | - | - | - | 13-2-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.9 | |
| 16-44 | 3261-112.2822 | -2-12- | 0-119636 | 06/21/79 | 18 | 22 | 12.7 | - | - | - | - | - | 8.4 | 78 | 8-2-6-5-6-3-3-1-2-4-3-3-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.0 | | |
| 16-44 | 2544-112.2314 | -2-15- | 0-119637 | 06/21/79 | 19 | 22 | - | - | - | - | - | - | - | - | 8-3-1-5-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.9 | |
| 16-44 | 2697-112.4111 | -2-12- | 0-119638 | 06/22/79 | 10 | 23 | 11.8 | - | - | - | - | - | 8.3 | 187 | 8-2-6-3-6-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.7 | |
| 16-44 | 2694-112.4197 | -2-12- | 0-119639 | 06/22/79 | 10 | 24 | 11.6 | - | - | - | - | - | 8.6 | 282 | 10-1-8-2-6-3-3-1-2-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | |
| 16-44 | 2981-112.4622 | -2-12- | 0-119640 | 06/22/79 | 11 | 25 | 9.5 | - | - | - | - | - | 8.5 | 227 | 13-1-8-5-6-3-3-2-1-4-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.3 | |
| 16-44 | 2961-112.4672 | -2-15- | 0-119641 | 06/22/79 | 11 | 25 | - | - | - | - | - | - | - | - | 12-1-8-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | |
| 16-44 | 2769-112.4552 | -2-12- | 0-119642 | 06/22/79 | 12 | 25 | 12.9 | - | - | - | - | - | 8.2 | 295 | 5-1-8-5-6-4-3-1-2-4-3-3-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.0 | |
| 16-44 | 3056-112.4397 | -2-15- | 0-119643 | 06/22/79 | 12 | 25 | - | - | - | - | - | - | - | - | 15-1-8-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.2 | |
| 16-44 | 3497-112.4767 | -2-15- | 0-119644 | 06/22/79 | 12 | 25 | - | - | - | - | - | - | - | - | 6-1-8-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.6 | |
| 16-44 | 1797-112.2964 | -2-15- | 0-119645 | 06/21/79 | 12 | 18 | - | - | - | - | - | - | - | - | 15-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.8 | |
| 16-44 | 1764-112.3417 | -2-15- | 0-119646 | 06/21/79 | 12 | 20 | - | - | - | - | - | - | - | - | 8-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.6 | |
| 16-44 | 1992-112.2922 | -2-15- | 0-119647 | 06/21/79 | 12 | 20 | - | - | - | - | - | - | - | - | 11-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | |
| 16-44 | 1750-112.3719 | -2-12- | 0-119648 | 06/21/79 | 13 | 22 | 13.3 | - | - | - | - | - | 9.3 | 392 | 8-1-6-5-6-3-3-1-2-4-3-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.7 | |
| 16-44 | 1314-112.3206 | -2-15- | 0-119651 | 06/21/79 | 13 | 20 | - | - | - | - | - | - | - | - | 14-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.7 | |
| 16-44 | 2250-112.3767 | -2-12- | 0-119652 | 06/21/79 | 15 | 23 | 13.3 | - | - | - | - | - | 9.2 | 400 | 10-1-1-4-6-3-3-1-2-4-2-2-2- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.7 | |
| 16-44 | 2254-112.4019 | -2-15- | 0-119654 | 06/21/79 | 15 | 23 | - | - | - | - | - | - | - | - | 18-1-7-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | |
| 16-44 | 2289-112.4486 | -2-15- | 0-119655 | 06/21/79 | 15 | 24 | - | - | - | - | - | - | - | - | 20-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.3 | |
| 16-44 | 2261-112.5217 | -2-11- | 0-119656 | 06/21/79 | 16 | 23 | 14.4 | - | - | - | - | - | 8.2 | 360 | 5-1-1-5-6-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.1 | |
| 16-44 | 2272-112.4489 | -2-15- | 0-119657 | 06/21/79 | 17 | 23 | - | - | - | - | - | - | - | - | 18-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.0 | |
| 16-44 | 2047-112.4186 | -2-15- | 0-119658 | 06/21/79 | 17 | 22 | - | - | - | - | - | - | - | - | 12-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | |
| 16-44 | 2107-112.4589 | -2-11- | 0-119659 | 06/21/79 | 17 | 21 | 16.3 | - | - | - | - | - | 9.2 | 388 | 17-1-1-5-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.2 | |
| 16-44 | 2019-112.4989 | -2-15- | 0-119660 | 06/21/79 | 18 | 21 | - | - | - | - | - | - | - | - | 14-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | |
| 16-44 | 1956-112.4439 | -2-15- | 0-119661 | 06/21/79 | 18 | 20 | - | - | - | - | - | - | - | - | 12-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.9 | |
| 16-44 | 1542-112.4811 | -2-15- | 0-119662 | 06/21/79 | 18 | 20 | - | - | - | - | - | - | - | - | 21-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | |
| 16-44 | 1278-112.4139 | -2-15- | 0-119663 | 06/21/79 | 19 | 20 | - | - | - | - | - | - | - | - | 6-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.8 | |
| 16-44 | 1292-112.4142 | -2-15- | 0-119664 | 06/21/79 | 19 | 20 | - | - | - | - | - | - | - | - | 13-1-6-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.5 | |
| 16-44 | 2961-112.5097 | -2-12- | 0-119665 | 06/22/79 | 10 | 20 | 9.6 | - | - | - | - | - | 8.3 | 345 | 11-4-6-5-6-3-3-1-2-4-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.6 | |
| 16-44 | 2770-112.5150 | -2-15- | 0-119666 | 06/22/79 | 11 | 22 | - | - | - | - | - | - | - | - | 18-3-7-4-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.2 | |
| 16-44 | 3303-112.5817 | -2-12- | 0-119667 | 06/22/79 | 12 | 18 | 11.5 | - | - | - | - | - | 8.5 | 357 | 7-3-6-5-6-3-3-1-2-4-3-3-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.8 | |
| 16-44 | 3381-112.6708 | -2-90- | 0-119668 | 06/22/79 | 12 | 24 | - | - | - | - | - | - | - | - | 10-1-1-5-6- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.4 | |
| 16-44 | 3211-112.6536 | -2-11- | 0-119669 | 06/22/79 | 13 | 24 | 8.2 | - | - | - | - | - | 7.8 | 460 | 2-3-6-2-6-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.1 | |
| 16-44 | 2982-112.5952 | -2-12- | 0-119671 | 06/22/79 | 14 | 22 | 11.8 | - | - | - | - | - | 8.1 | 373 | 16-1-6-5-6-3-3-4-2-4-3-3-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.7 | |
| 16-44 | 2578-112.5652 | -2-12- | 0-119672 | 06/22/79 | 15 | 21 | 13.3 | - | - | - | - | - | 8.0 | 275 | 10-3-7-5-6-3-3-1-2-3-3-4- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.9 | |
| 16-44 | 2650-112.6008 | -2-11- | 0-119673 | 06/22/79 | 16 | 20 | 6.8 | - | - | - | - | - | 8.1 | 273 | 8-3-1-5-6-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.2 | |
| 16-44 | 2706-112.6119 | -2-11- | 0-119674 | 06/22/79 | 16 | 16 | 11.3 | - | - | - | - | - | 7.5 | 553 | 12-3-8-5-8-2-3-4- | - | - | - | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|----------|-----------|---------|-------------|-----------|----------------------------|---|-----|-----|-----|----|-----|-----|-----|----|-----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44 | 4211 | -112.3203 | 2-11 | 0-118622 | -5 | 8 | -5 | 24 | -20 | -15 | 16 | -10 | -15 | 6 | -5 | 169 | -1 | 19 | | | |
| 16-44 | 4233 | -112.2844 | 2-12 | 0-118623 | -5 | -5 | -5 | 19 | -20 | -15 | 14 | -10 | -15 | -5 | -5 | 277 | 1 | 19 | | | |
| 16-44 | 4217 | -112.2814 | 2-12 | 0-118624 | -5 | 5 | -5 | 15 | -20 | -15 | 11 | -10 | -15 | 5 | -5 | 223 | 1 | 19 | | | |
| 16-44 | 4208 | -112.3503 | 2-11 | 0-118625 | -5 | -5 | -5 | 16 | -20 | -15 | 26 | -10 | -15 | -5 | -5 | 366 | 2 | 25 | | | |
| 16-44 | 4022 | -112.3683 | 2-12 | 0-118626 | -5 | 8 | -5 | 27 | -20 | 19 | 17 | -10 | 15 | 13 | -5 | 271 | 2 | 36 | | | |
| 16-44 | 3697 | -112.3950 | 2-12 | 0-118627 | -5 | -5 | -5 | 12 | -20 | 16 | 14 | -10 | -15 | 8 | -5 | 226 | 1 | 20 | | | |
| 16-44 | 3717 | -112.3994 | 2-12 | 0-118628 | -5 | -5 | -5 | 10 | -20 | -15 | 15 | -10 | -15 | -5 | -5 | 243 | -1 | 18 | | | |
| 16-44 | 3208 | -112.3533 | 2-15 | 0-118629 | -5 | -5 | -5 | 29 | -20 | 65 | 19 | -10 | -15 | 6 | -5 | 268 | 1 | 31 | | | |
| 16-44 | 3210 | -112.3558 | 2-15 | 0-118630 | -5 | 10 | -5 | 29 | -20 | 20 | 26 | -10 | -15 | 9 | -5 | 266 | 2 | 30 | | | |
| 16-44 | 3272 | -112.3447 | 2-12 | 0-118631 | -5 | 7 | -5 | 38 | -20 | 29 | 11 | -10 | 20 | 14 | -5 | 217 | 2 | 37 | | | |
| 16-44 | 3011 | -112.3506 | 2-15 | 0-118632 | -5 | -5 | -5 | 17 | -20 | 25 | 20 | -10 | -15 | 6 | -5 | 274 | 2 | 27 | | | |
| 16-44 | 3022 | -112.3286 | 2-15 | 0-118633 | -5 | -5 | -5 | 30 | -20 | 41 | 26 | -10 | 17 | -5 | -5 | 277 | 2 | 30 | | | |
| 16-44 | 3194 | -112.3081 | 2-15 | 0-118634 | -5 | 5 | -5 | 21 | -20 | -15 | 16 | -10 | -15 | 9 | -5 | 229 | 2 | 34 | | | |
| 16-44 | 3278 | -112.2842 | 2-15 | 0-118635 | -5 | -5 | -5 | 40 | -20 | 33 | 11 | -10 | -15 | 10 | -5 | 254 | 2 | 29 | | | |
| 16-44 | 3261 | -112.2822 | 2-12 | 0-118636 | -5 | 6 | -5 | 24 | -20 | 21 | 17 | -10 | -15 | 5 | -5 | 215 | 1 | 28 | | | |
| 16-44 | 2544 | -112.3314 | 2-15 | 0-118637 | -5 | -5 | -5 | 22 | -20 | 32 | 14 | -10 | -15 | 5 | -5 | 235 | 2 | 25 | | | |
| 16-44 | 2697 | -112.4111 | 2-12 | 0-118638 | -5 | -5 | -5 | -10 | -20 | 17 | 11 | -10 | -15 | -5 | -5 | 192 | -1 | 22 | | | |
| 16-44 | 2694 | -112.4197 | 2-12 | 0-118639 | -5 | 10 | -5 | 14 | -20 | 16 | 13 | -10 | -15 | -5 | -5 | 170 | -1 | 21 | | | |
| 16-44 | 2981 | -112.4622 | 2-12 | 0-118640 | -5 | -5 | -5 | -10 | -20 | -15 | 8 | -10 | -15 | -5 | -5 | 224 | -1 | 12 | | | |
| 16-44 | 2961 | -112.4672 | 2-15 | 0-118641 | -5 | -5 | -5 | 12 | -20 | 15 | 18 | -10 | 15 | -5 | -5 | 302 | 2 | 21 | | | |
| 16-44 | 2769 | -112.4553 | 2-12 | 0-118642 | -5 | -5 | -5 | 22 | -20 | 32 | 6 | -10 | -15 | -5 | -5 | 220 | -1 | 25 | | | |
| 16-44 | 3054 | -112.4397 | 2-15 | 0-118643 | -5 | -5 | -5 | 24 | -20 | 28 | 11 | -10 | -15 | 9 | -5 | 248 | 2 | 33 | | | |
| 16-44 | 3497 | -112.4767 | 2-15 | 0-118644 | -5 | -5 | -5 | 27 | -20 | 17 | 12 | -10 | -15 | 6 | -5 | 141 | 2 | 16 | | | |
| 16-44 | 1783 | -112.2964 | 2-15 | 0-118645 | -5 | 5 | -5 | 22 | -20 | -15 | 16 | -10 | -15 | 7 | -5 | 243 | 2 | 20 | | | |
| 16-44 | 1764 | -112.3417 | 2-15 | 0-118646 | -5 | -5 | -5 | 24 | -20 | 28 | 17 | -10 | -15 | -5 | -5 | 205 | 2 | 24 | | | |
| 16-44 | 1992 | -112.2922 | 2-15 | 0-118647 | -5 | -5 | -5 | 34 | -20 | 27 | 25 | -10 | 15 | -5 | -5 | 196 | 2 | 27 | | | |
| 16-44 | 1750 | -112.3719 | 2-12 | 0-118648 | -5 | -5 | -5 | 14 | -20 | 42 | 11 | -10 | -15 | 5 | -5 | 167 | 2 | 22 | | | |
| 16-44 | 1314 | -112.3206 | 2-15 | 0-118651 | -5 | -5 | -5 | 21 | -20 | 37 | 16 | -10 | -15 | -5 | -5 | 195 | 2 | 28 | | | |
| 16-44 | 2250 | -112.3767 | 2-12 | 0-118653 | -5 | -5 | -5 | 11 | -20 | -15 | -5 | -10 | -15 | 5 | -5 | 248 | 1 | 14 | | | |
| 16-44 | 2256 | -112.4019 | 2-15 | 0-118654 | -5 | 7 | -5 | 21 | -20 | 27 | 13 | -10 | -15 | 11 | -5 | 222 | 2 | 29 | | | |
| 16-44 | 2289 | -112.4486 | 2-15 | 0-118655 | -5 | -5 | -5 | 18 | -20 | 20 | 15 | -10 | -15 | 8 | -5 | 275 | 2 | 24 | | | |
| 16-44 | 2261 | -112.5217 | 2-11 | 0-118656 | -5 | -5 | -5 | 10 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 187 | 1 | 14 | | | |
| 16-44 | 2372 | -112.4489 | 2-15 | 0-118657 | -5 | -5 | -5 | 30 | -20 | -15 | 17 | -10 | -15 | 5 | -5 | 233 | 2 | 24 | | | |
| 16-44 | 2047 | -112.4186 | 2-15 | 0-118658 | -5 | -5 | -5 | 28 | -20 | 27 | 16 | -10 | -15 | 8 | -5 | 224 | 2 | 24 | | | |
| 16-44 | 2103 | -112.4589 | 2-11 | 0-118659 | -5 | 11 | -5 | 17 | 22 | -15 | 10 | -10 | -15 | 303 | -5 | 142 | 11 | 98 | | | |
| 16-44 | 2019 | -112.4989 | 2-15 | 0-118660 | -5 | 6 | -5 | 20 | -20 | -15 | 14 | -10 | -15 | 9 | -5 | 198 | 2 | 36 | | | |
| 16-44 | 1856 | -112.4439 | 2-15 | 0-118661 | -5 | -5 | -5 | 33 | 25 | -15 | 17 | -10 | 16 | 15 | -5 | 184 | 3 | 87 | | | |
| 16-44 | 1542 | -112.4811 | 2-15 | 0-118662 | -5 | -5 | -5 | 21 | -20 | 18 | 16 | -10 | -15 | 8 | -5 | 200 | 3 | 44 | | | |
| 16-44 | 1378 | -112.4139 | 2-15 | 0-118663 | -5 | 5 | -5 | 27 | -20 | -15 | 18 | -10 | 17 | -5 | -5 | 203 | 2 | 25 | | | |
| 16-44 | 1292 | -112.4142 | 2-15 | 0-118664 | -5 | -5 | -5 | 24 | -20 | 26 | 14 | -10 | -15 | -5 | -5 | 154 | 1 | 25 | | | |
| 16-44 | 2061 | -112.5097 | 2-12 | 0-118665 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 191 | 1 | 16 | | | |
| 16-44 | 2778 | -112.5150 | 2-15 | 0-118666 | -5 | -5 | -5 | 15 | -20 | -15 | 21 | -10 | -15 | -5 | -5 | 247 | 1 | 19 | | | |
| 16-44 | 3303 | -112.5817 | 2-12 | 0-118667 | -5 | -5 | -5 | 15 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 195 | 1 | 16 | | | |
| 16-44 | 3381 | -112.6708 | 2-99 | 0-118668 | -5 | -5 | -5 | 48 | -20 | -15 | 25 | 11 | -15 | 8 | -5 | 149 | 3 | 30 | | | |
| 16-44 | 3211 | -112.6536 | 2-11 | 0-118669 | -5 | -5 | -5 | 10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 97 | -1 | 15 | | | |
| 16-44 | 2983 | -112.5992 | 2-12 | 0-118671 | -5 | 7 | -5 | 12 | -20 | -15 | 5 | -10 | -15 | 11 | -5 | 199 | 2 | 37 | | | |
| 16-44 | 2578 | -112.5653 | 2-12 | 0-118672 | -5 | -5 | -5 | 30 | -20 | 42 | 16 | -10 | -15 | -5 | -5 | 197 | 2 | 44 | | | |
| 16-44 | 2656 | -112.6008 | 2-11 | 0-118673 | -5 | 10 | -5 | 17 | -20 | -15 | 12 | -10 | -15 | 12 | -5 | 187 | 1 | 18 | | | |
| 16-44 | 2706 | -112.6119 | 2-11 | 0-118674 | -5 | -5 | -5 | 15 | -20 | -15 | 12 | -10 | -15 | 5 | -5 | 162 | 2 | 47 | | | |
| 16-44 | 2567 | -112.6289 | 2-11 | 0-118675 | -5 | 8 | -5 | 26 | -20 | -15 | 42 | -10 | -15 | 143 | -5 | 175 | 3 | 30 | | | |
| 16-44 | 2539 | -112.6428 | 2-15 | 0-118676 | -5 | -5 | -5 | 23 | -20 | 29 | 18 | -10 | -15 | -5 | -5 | 137 | 2 | 48 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | |
|---|---------------|-----------|----------|-------------|-----------|----------------------------|--|-----|------|------|-----|------|----|-----|-------|------|-------|----|-----|---|----|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu |
| Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | | | | | | | |
| 16-44 | 4211-112.3202 | 2-11- | 0-118622 | 35830 | -0.09 | 477 | 16550 | 55 | -66 | 4.0 | 44 | 3.3 | 4 | 1.2 | 12910 | 8.4 | 14380 | 27 | C.3 | | | |
| 16-44 | 4233-112.2844 | 2-12- | 0-118623 | 41160 | -0.07 | 553 | 16450 | 54 | -65 | 3.9 | 39 | 3.5 | 4 | 1.0 | 14950 | 11.5 | 16440 | 31 | C.4 | | | |
| 16-44 | 4217-112.2814 | 2-12- | 0-118624 | 38540 | -0.07 | 481 | 7566 | 59 | -69 | 4.0 | 37 | 2.7 | 4 | 1.1 | 13320 | 8.9 | 12480 | 27 | C.4 | | | |
| 16-44 | 4208-112.3503 | 2-11- | 0-118625 | 50530 | -0.08 | 638 | 5614 | 79 | -79 | 7.6 | 59 | 4.2 | 6 | 1.6 | 19010 | 15.9 | 16280 | 41 | C.5 | | | |
| 16-44 | 4022-112.3682 | 2-12- | 0-118626 | 56160 | -0.08 | 559 | 4993 | 90 | -89 | 7.6 | 54 | 5.0 | 12 | 2.5 | 23910 | 11.4 | 16770 | 56 | C.8 | | | |
| 16-44 | 3697-112.3950 | 2-12- | 0-118627 | 39960 | -0.08 | 532 | 12220 | 74 | -72 | 8.4 | 120 | 3.3 | 5 | 1.3 | 20920 | 10.2 | 13560 | 26 | C.4 | | | |
| 16-44 | 3717-112.2994 | 2-12- | 0-118628 | 32170 | -0.06 | 556 | 10550 | 47 | -55 | 3.4 | 40 | 2.7 | 4 | 0.9 | 12040 | 10.5 | 15360 | 26 | C.3 | | | |
| 16-44 | 3208-112.3523 | 2-15- | 0-118629 | 54200 | -0.08 | 677 | 13210 | 73 | -93 | 18.8 | 269 | 4.9 | 5 | 1.6 | 32360 | 11.7 | 14550 | 33 | C.4 | | | |
| 16-44 | 3219-112.3558 | 2-15- | 0-118630 | 50690 | -0.08 | 646 | 11880 | 62 | -86 | 11.4 | 135 | 3.4 | 5 | 1.3 | 27360 | 10.2 | 15430 | 38 | C.4 | | | |
| 16-44 | 3272-112.3447 | 2-12- | 0-118631 | 61170 | -0.10 | 825 | 11490 | 37 | -87 | 12.7 | 123 | 4.7 | 5 | 1.5 | 28580 | 8.2 | 21960 | 38 | C.4 | | | |
| 16-44 | 3011-112.3506 | 2-15- | 0-118632 | 52110 | -0.08 | 801 | 8191 | 70 | -82 | 9.4 | 82 | 4.4 | 5 | 1.3 | 24160 | 11.1 | 22590 | 38 | C.4 | | | |
| 16-44 | 3022-112.3286 | 2-15- | 0-118633 | 52480 | -0.08 | 433 | 13080 | 80 | -88 | 10.1 | 179 | 3.4 | 7 | 1.6 | 25780 | 11.3 | 12250 | 38 | C.5 | | | |
| 16-44 | 3194-112.3081 | 2-15- | 0-118634 | 52120 | -0.08 | 650 | 10470 | 75 | -90 | 9.5 | 91 | 4.1 | 6 | 1.3 | 23790 | 9.4 | 19550 | 34 | C.5 | | | |
| 16-44 | 3278-112.3682 | 2-15- | 0-118635 | 61520 | -0.10 | 686 | 12320 | 106 | -85 | 12.5 | 125 | 4.9 | 8 | 1.8 | 31470 | 11.6 | 16520 | 48 | C.6 | | | |
| 16-44 | 3261-112.2822 | 2-12- | 0-118636 | 46340 | -0.09 | 639 | 12640 | 58 | -77 | 8.0 | 125 | -1.8 | 5 | 1.1 | 23530 | 10.6 | 16720 | 37 | C.4 | | | |
| 16-44 | 2544-112.3314 | 2-15- | 0-118637 | 45170 | -0.06 | 715 | 10290 | 67 | -73 | 8.8 | 109 | 4.0 | 4 | 1.4 | 22100 | 10.3 | 15720 | 38 | C.4 | | | |
| 16-44 | 2697-112.4111 | 2-12- | 0-118638 | 40700 | -0.07 | 564 | 17840 | 54 | -77 | 6.2 | 75 | 2.8 | 5 | 1.1 | 16880 | 7.2 | 15020 | 28 | C.3 | | | |
| 16-44 | 2694-112.4197 | 2-12- | 0-118639 | 33300 | -0.08 | 519 | 49850 | 44 | -71 | 3.9 | 43 | 4.0 | 4 | 1.0 | 11530 | 6.9 | 13390 | 30 | C.2 | | | |
| 16-44 | 2981-112.4622 | 2-12- | 0-118640 | 20790 | -0.05 | 524 | 20960 | 45 | -47 | 3.6 | 44 | 2.5 | 3 | 0.9 | 10580 | 9.3 | 16120 | 22 | C.2 | | | |
| 16-44 | 2951-112.4672 | 2-15- | 0-118641 | 40170 | -0.06 | 520 | 7656 | 76 | -81 | 6.4 | 60 | 3.2 | 5 | 1.2 | 17870 | 13.1 | 16830 | 35 | C.3 | | | |
| 16-44 | 2769-112.4553 | 2-12- | 0-118642 | 35130 | -0.07 | 495 | 66950 | 53 | 138 | 4.4 | 53 | 4.5 | 5 | 1.1 | 13940 | 8.3 | 13900 | 24 | C.4 | | | |
| 16-44 | 3056-112.4397 | 2-15- | 0-118643 | 56050 | -0.08 | 696 | 10400 | 92 | -72 | 8.4 | 58 | 4.7 | 5 | 1.4 | 24130 | 11.0 | 21310 | 29 | C.5 | | | |
| 16-44 | 3497-112.4767 | 2-15- | 0-118644 | 42270 | -0.12 | 488 | 29660 | 47 | -99 | 6.3 | 72 | -2.2 | 5 | 1.1 | 18240 | 5.4 | 14240 | 30 | C.2 | | | |
| 16-44 | 1783-112.2964 | 2-15- | 0-118645 | 43300 | -0.06 | 533 | 16160 | 68 | -71 | 7.2 | 66 | 3.5 | 4 | 1.3 | 19290 | 10.8 | 18570 | 34 | C.3 | | | |
| 16-44 | 1764-112.3417 | 2-15- | 0-118646 | 45230 | -0.07 | 549 | 31220 | 51 | -77 | 6.0 | 73 | 3.7 | 5 | 1.2 | 18360 | 7.4 | 14680 | 28 | C.3 | | | |
| 16-44 | 1992-112.2922 | 2-15- | 0-118647 | 56770 | -0.09 | 724 | 16360 | 83 | -79 | 9.8 | 79 | 5.4 | 6 | 1.4 | 25950 | 9.0 | 21050 | 40 | C.4 | | | |
| 16-44 | 1750-112.3715 | 2-12- | 0-118648 | 44740 | -0.08 | 484 | 64640 | 58 | -69 | 5.9 | 66 | 4.5 | 5 | 1.1 | 20690 | 6.9 | 16010 | 26 | C.3 | | | |
| 16-44 | 1314-112.3206 | 2-15- | 0-118649 | 44960 | -0.07 | 483 | 16110 | 66 | -72 | 6.0 | 67 | 4.5 | 4 | 1.3 | 19660 | 8.0 | 14720 | 34 | C.4 | | | |
| 16-44 | 2250-112.2767 | 2-12- | 0-118650 | 30550 | -0.05 | 438 | 50360 | 45 | -65 | 3.5 | 49 | 2.6 | 4 | 0.9 | 11110 | 9.6 | 14330 | 27 | C.2 | | | |
| 16-44 | 2256-112.4019 | 2-15- | 0-118651 | 57960 | -0.09 | 710 | 11320 | 83 | -85 | 8.1 | 85 | 4.1 | 6 | 1.6 | 24020 | 9.8 | 21270 | 40 | C.4 | | | |
| 16-44 | 2289-112.4486 | 2-15- | 0-118652 | 54620 | -0.08 | 803 | 13600 | 80 | -80 | 9.2 | 75 | 4.6 | 5 | 1.3 | 23820 | 9.5 | 21790 | 34 | C.4 | | | |
| 16-44 | 2261-112.5217 | 2-11- | 0-118653 | 34980 | -0.06 | 310 | 145200 | 58 | -72 | 3.1 | 31 | 8.8 | 4 | 0.9 | 10490 | 8.2 | 9398 | 35 | C.4 | | | |
| 16-44 | 2372-112.4489 | 2-15- | 0-118654 | 54690 | -0.07 | 711 | 19970 | 70 | -89 | 8.0 | 59 | 4.4 | 6 | 1.4 | 21480 | 9.5 | 20570 | 38 | C.4 | | | |
| 16-44 | 2047-112.4186 | 2-15- | 0-118655 | 55730 | -0.08 | 766 | 12800 | 83 | 166 | 9.3 | 109 | 5.5 | 5 | 1.6 | 24590 | 9.7 | 22530 | 33 | C.4 | | | |
| 16-44 | 2103-112.4589 | 2-11- | 0-118656 | 38520 | -0.12 | 562 | 98900 | 56 | -113 | 7.2 | 44 | 61.3 | 4 | 0.6 | 22620 | 5.5 | 27440 | 32 | C.4 | | | |
| 16-44 | 2019-112.4989 | 2-15- | 0-118657 | 55700 | -0.07 | 635 | 39060 | 72 | -99 | 5.8 | 49 | 7.9 | 5 | 1.4 | 20010 | 8.9 | 21660 | 35 | C.4 | | | |
| 16-44 | 1956-112.4439 | 2-15- | 0-118658 | 59670 | -0.09 | 696 | 32810 | 70 | 122 | 8.2 | 46 | 12.9 | 7 | 1.2 | 25200 | 6.6 | 19030 | 35 | C.4 | | | |
| 16-44 | 1542-112.4811 | 2-15- | 0-118659 | 62990 | -0.10 | 776 | 14060 | 93 | -93 | 8.5 | 75 | 5.7 | 5 | 1.6 | 28380 | 9.6 | 21970 | 42 | C.5 | | | |
| 16-44 | 1378-112.4129 | 2-15- | 0-118660 | 48220 | -0.07 | 578 | 17130 | 67 | -64 | 5.7 | 75 | 4.3 | 5 | 1.3 | 21980 | 10.1 | 18630 | 39 | C.4 | | | |
| 16-44 | 1292-112.4142 | 2-15- | 0-118661 | 46120 | -0.06 | 552 | 35670 | 60 | -70 | 5.4 | 63 | 5.2 | 4 | 1.2 | 19460 | 6.9 | 16270 | 30 | C.3 | | | |
| 16-44 | 2961-112.5097 | 2-12- | 0-118662 | 32630 | -0.06 | 448 | 60090 | 40 | 90 | 3.9 | 46 | 3.2 | 4 | 0.9 | 10270 | 8.0 | 13420 | 26 | C.3 | | | |
| 16-44 | 2778-112.5150 | 2-15- | 0-118663 | 40930 | -0.08 | 703 | 11800 | 83 | -75 | 5.1 | 73 | 4.1 | 6 | 1.4 | 19330 | 11.3 | 23040 | 42 | C.5 | | | |
| 16-44 | 3303-112.5817 | 2-12- | 0-118664 | 32930 | -0.06 | 491 | 63650 | 45 | -63 | 3.2 | 45 | 2.6 | 4 | 0.9 | 12030 | 8.4 | 12420 | 21 | C.2 | | | |
| 16-44 | 3381-112.6708 | 2-09- | 0-118665 | 71200 | -0.10 | 664 | 12710 | 71 | -85 | 9.9 | 58 | 9.0 | 13 | 3.1 | 27810 | 5.9 | 19850 | 57 | C.8 | | | |
| 16-44 | 3211-112.6536 | 2-11- | 0-118666 | 24280 | -0.06 | 288 | 188400 | 30 | -87 | 2.9 | 25 | 3.8 | 3 | 0.7 | 8259 | 4.0 | 7387 | -5 | C.2 | | | |
| 16-44 | 2983-112.5997 | 2-12- | 0-118667 | 59950 | -0.10 | 692 | 76950 | 66 | 150 | 5.5 | 44 | 10.4 | 5 | 1.4 | 21500 | 8.7 | 14130 | 29 | C.5 | | | |
| 16-44 | 2578-112.5653 | 2-12- | 0-118668 | 56900 | -0.09 | 466 | 28610 | 72 | -72 | 9.9 | 111 | 5.9 | 6 | 1.4 | 27050 | 6.9 | 19170 | 35 | C.5 | | | |
| 16-44 | 2650-112.6003 | 2-11- | 0-118669 | 42240 | -0.07 | 425 | 92120 | 75 | -81 | 6.2 | 42 | 6.3 | 5 | 1.1 | 19380 | 8.6 | 11160 | 37 | C.4 | | | |
| 16-44 | 2706-112.6119 | 2-11- | 0-118670 | 53050 | -0.08 | 773 | 86630 | 69 | 164 | 7.3 | 29 | 9.4 | 5 | 1.2 | 22820 | 6.3 | 14360 | 32 | C.4 | | | |
| 16-44 | 2567-112.6385 | 2-11- | 0-118671 | 58010 | -0.10 | 715 | 53170 | 60 | -47 | 6.8 | 52 | 14.8 | 5 | 1.5 | 25830 | 8.1 | 13520 | 31 | C.4 | | | |
| 16-44 | 2530-112.6428 | 2-15- | 0-118672 | 47690 | -0.09 | 554 | 107500 | 78 | 151 | 13.2 | 57 | 5.3 | 6 | 1.8 | 32040 | 5.2 | 13800 | 37 | C.3 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | DOE SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------|---|------|------|----|----|------|------|----|------|-----|-------|----|---|----|------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | |
| 16-44.4211-112.3203-2-11- | 0-118622 | 4044 | 324 | 4457 | 64 | -2 | 4.4 | 4.0 | -216 | -1 | -1 | 7.3 | 1979 | 45 | 3.0 | 85 | 0.466 | | | | |
| 16-44.4213-112.2844-2-12- | 0-118623 | 4073 | 492 | 6241 | 76 | -2 | 5.1 | 5.2 | -214 | -1 | -1 | 8.2 | 2986 | 40 | 2.7 | 117 | 0.354 | | | | |
| 16-44.4217-112.2814-2-12- | 0-118624 | 3078 | 303 | 5185 | 60 | -2 | 4.9 | 5.7 | -172 | -1 | -1 | 7.7 | 2715 | 50 | -1.1 | 72 | 0.390 | | | | |
| 16-44.4208-112.3503-2-11- | 0-118625 | 4717 | 431 | 6723 | 55 | -2 | 7.2 | 7.2 | -199 | -1 | -1 | 11.7 | 3226 | 77 | 5.1 | 102 | 0.419 | | | | |
| 16-44.4022-112.3692-2-12- | 0-118626 | 5442 | 1000 | 5536 | 55 | -2 | 8.8 | 12.6 | -281 | -1 | -1 | 14.6 | 3030 | 65 | 6.9 | 110 | 0.288 | | | | |
| 16-44.3697-112.3050-2-12- | 0-118627 | 6947 | 610 | 5970 | 65 | -2 | 6.7 | 5.6 | -252 | -1 | -1 | 8.5 | 3303 | 67 | 4.0 | 88 | 0.435 | | | | |
| 16-44.3717-112.3994-2-12- | 0-118628 | 3423 | 260 | 5038 | -18 | -1 | 4.1 | 3.7 | -165 | -1 | -1 | 7.9 | 2806 | 32 | -1.1 | -65 | 0.367 | | | | |
| 16-44.3208-112.3533-2-15- | 0-118629 | 10550 | 978 | 7943 | 74 | -2 | 11.5 | 6.5 | -281 | -1 | -1 | 10.3 | 4329 | 92 | 3.5 | 96 | 0.398 | | | | |
| 16-44.3219-112.3558-2-15- | 0-118630 | 7779 | 803 | 7147 | 82 | -2 | 8.7 | 5.5 | -249 | -1 | -1 | 10.3 | 3101 | 66 | 4.6 | 159 | 0.398 | | | | |
| 16-44.3272-112.3447-2-12- | 0-118631 | 8047 | 921 | 8169 | -30 | -2 | 10.4 | 6.9 | -309 | -1 | -1 | 11.6 | 3164 | 82 | 3.2 | 168 | 0.267 | | | | |
| 16-44.3011-112.3506-2-15- | 0-118632 | 5611 | 780 | 8948 | -27 | -2 | 7.8 | 6.2 | -275 | 1 | -1 | 11.8 | 3928 | 73 | 3.4 | 154 | 0.280 | | | | |
| 16-44.3022-112.3296-2-15- | 0-118633 | 5183 | 654 | 8860 | 70 | -2 | 9.7 | 8.5 | -248 | -1 | -1 | 12.2 | 3200 | 68 | -1.4 | 104 | 0.352 | | | | |
| 16-44.3194-112.3081-2-15- | 0-118634 | 6024 | 618 | 9433 | 85 | -2 | 7.9 | 6.2 | -222 | 3 | -1 | 13.2 | 3180 | 71 | 4.0 | 116 | 0.258 | | | | |
| 16-44.3279-112.2842-2-15- | 0-118635 | 7244 | 971 | 7890 | 81 | -2 | 10.9 | 8.5 | -296 | -1 | -1 | 14.7 | 3304 | 81 | 4.6 | 137 | 0.265 | | | | |
| 16-44.3261-112.2822-2-12- | 0-118636 | 6446 | 569 | 6999 | 66 | -2 | 8.1 | 4.9 | -260 | -1 | -1 | 10.2 | 3396 | 61 | -1.7 | 138 | 0.294 | | | | |
| 16-44.2544-112.3214-2-15- | 0-118637 | 7758 | 501 | 7513 | 75 | -2 | 7.6 | 7.1 | -195 | -1 | -1 | 10.2 | 2190 | 70 | 2.9 | 60 | 0.284 | | | | |
| 16-44.2697-112.4111-2-12- | 0-118638 | 6214 | 434 | 6433 | 58 | -2 | 6.1 | 4.7 | -194 | -1 | -1 | 8.5 | 2491 | 53 | 3.8 | 96 | 0.318 | | | | |
| 16-44.2694-112.4197-2-12- | 0-118639 | 7750 | 276 | 4892 | -24 | -2 | 4.5 | 4.2 | -201 | -1 | -1 | 7.8 | 1886 | 49 | -1.6 | -63 | 0.397 | | | | |
| 16-44.2091-112.4622-2-12- | 0-118640 | 4319 | 200 | 4634 | 58 | -1 | 3.6 | 4.2 | -130 | -1 | -1 | 7.4 | 2021 | 29 | 2.6 | 75 | 0.311 | | | | |
| 16-44.2961-112.4672-2-15- | 0-118641 | 5264 | 585 | 8247 | 68 | -1 | 5.7 | 5.6 | -209 | 2 | -1 | 10.4 | 2576 | 44 | 3.8 | 73 | 0.298 | | | | |
| 16-44.2769-112.4553-2-12- | 0-118642 | 8402 | 267 | 5642 | 56 | -2 | 5.0 | 4.6 | -163 | -1 | -1 | 8.2 | 2647 | 44 | 2.1 | 106 | 0.366 | | | | |
| 16-44.3056-112.4397-2-15- | 0-118643 | 5880 | 692 | 7767 | 59 | -2 | 8.1 | 6.9 | -251 | -1 | -1 | 11.5 | 3228 | 68 | 3.6 | 153 | 0.278 | | | | |
| 16-44.3497-112.4767-2-15- | 0-118644 | 6553 | 305 | 6455 | -41 | -3 | 6.5 | -1.0 | -278 | -2 | -1 | 8.3 | 2585 | 46 | 3.4 | -59 | 0.313 | | | | |
| 16-44.1783-112.2964-2-15- | 0-118645 | 5632 | 471 | 7040 | 61 | -1 | 6.6 | 7.3 | -179 | -1 | -1 | 9.2 | 2209 | 68 | 3.7 | 59 | 0.304 | | | | |
| 16-44.1764-112.3417-2-15- | 0-118646 | 7579 | 430 | 8879 | 74 | -2 | 6.7 | 4.7 | -192 | -1 | -1 | 9.0 | 2936 | 57 | 3.1 | 129 | 0.289 | | | | |
| 16-44.1992-112.2922-2-15- | 0-118647 | 7090 | 729 | 8436 | 68 | -2 | 8.6 | 6.6 | -263 | -1 | -1 | 13.2 | 2756 | 77 | 3.3 | 88 | 0.235 | | | | |
| 16-44.1750-112.3719-2-12- | 0-118648 | 11320 | 415 | 5082 | -25 | -2 | 6.8 | 5.3 | -209 | -1 | -1 | 10.0 | 2695 | 60 | 3.3 | 128 | 0.270 | | | | |
| 16-44.1314-112.3206-2-15- | 0-118649 | 7673 | 449 | 6248 | 66 | -2 | 7.0 | 6.2 | -197 | -1 | -1 | 8.8 | 2841 | 65 | 2.8 | 110 | 0.307 | | | | |
| 16-44.2250-112.3767-2-12- | 0-118650 | 5575 | 238 | 4897 | 40 | -1 | 3.9 | 3.5 | -144 | -1 | -1 | 7.2 | 1951 | 38 | 2.1 | 43 | 0.375 | | | | |
| 16-44.2256-112.4019-2-15- | 0-118651 | 6275 | 758 | 5607 | 76 | -2 | 7.9 | 6.2 | -278 | -1 | -1 | 12.6 | 3064 | 73 | 3.4 | -97 | 0.246 | | | | |
| 16-44.2289-112.4486-2-15- | 0-118652 | 7180 | 713 | 9857 | 58 | -2 | 8.0 | 5.9 | -246 | -1 | -1 | 11.8 | 3606 | 72 | 3.4 | 145 | 0.280 | | | | |
| 16-44.2261-112.5217-2-11- | 0-118653 | 5757 | 126 | 3551 | -21 | -1 | 3.8 | 6.4 | -139 | -1 | -1 | 11.0 | 1755 | 30 | 2.9 | 77 | 0.191 | | | | |
| 16-44.2372-112.4489-2-15- | 0-118654 | 7919 | 609 | 9614 | 54 | 2 | 7.5 | 6.2 | -219 | -1 | -1 | 12.1 | 2705 | 66 | 3.6 | 111 | 0.248 | | | | |
| 16-44.2047-112.4186-2-15- | 0-118655 | 9157 | 569 | 9800 | 70 | -2 | 8.7 | 5.6 | -234 | -1 | -1 | 11.0 | 2958 | 73 | 4.0 | | 0.282 | | | | |
| 16-44.2103-112.4589-2-11- | 0-118656 | 14090 | 2517 | 3296 | 164 | 77 | 6.6 | 4.0 | -488 | -2 | -1 | 16.2 | 1971 | 59 | -2.5 | 108 | 0.321 | | | | |
| 16-44.2019-112.4089-2-15- | 0-118657 | 7670 | 604 | 10200 | 71 | -2 | 6.8 | 7.7 | -238 | -1 | -1 | 13.1 | 2215 | 53 | 2.3 | 98 | 0.237 | | | | |
| 16-44.1956-112.4439-2-15- | 0-118658 | 10030 | 663 | 8486 | 82 | -2 | 8.2 | 7.4 | -255 | -1 | -1 | 11.8 | 2942 | 68 | 3.3 | 147 | 0.246 | | | | |
| 16-44.1542-112.4811-2-15- | 0-118659 | 9907 | 997 | 9827 | 93 | -2 | 9.3 | 7.0 | -317 | -1 | -1 | 13.9 | 2942 | 69 | 3.8 | 145 | 0.223 | | | | |
| 16-44.1378-112.4139-2-15- | 0-118660 | 8052 | 369 | 7001 | 69 | -2 | 7.3 | 5.7 | -189 | -1 | -1 | 10.0 | 2884 | 67 | 3.0 | 131 | 0.280 | | | | |
| 16-44.1202-112.4142-2-15- | 0-118661 | 9232 | 329 | 5677 | 73 | -2 | 6.7 | 5.9 | -175 | -1 | -1 | 9.2 | 2604 | 57 | -1.1 | 103 | 0.269 | | | | |
| 16-44.2061-112.5097-2-12- | 0-118662 | 6044 | 295 | 5054 | 41 | -1 | 3.9 | 4.0 | -160 | -1 | -1 | 6.4 | 2061 | 41 | 2.6 | 64 | 0.406 | | | | |
| 16-44.2778-112.5150-2-15- | 0-118663 | 5725 | 329 | 10090 | 67 | -2 | 6.8 | 6.4 | -202 | -1 | -1 | 13.5 | 3054 | 60 | -1.8 | 96 | 0.237 | | | | |
| 16-44.3303-112.5817-2-12- | 0-118664 | 7930 | 388 | 4784 | 50 | -1 | 4.5 | 3.9 | -197 | -1 | -1 | 7.5 | 2052 | 43 | 2.9 | 78 | 0.373 | | | | |
| 16-44.3381-112.6708-2-99- | 0-118665 | 5992 | 652 | 5508 | 121 | -2 | 10.6 | 15.8 | -268 | -2 | -1 | 14.0 | 2954 | 90 | 5.7 | 143 | 0.386 | | | | |
| 16-44.3211-112.6536-2-11- | 0-118666 | 13660 | 253 | 4583 | -21 | -1 | 3.2 | 2.8 | 288 | -1 | -1 | 4.0 | 1312 | 30 | -1.0 | 82 | 0.775 | | | | |
| 16-44.2983-112.5092-2-12- | 0-118667 | 9329 | 442 | 8929 | -28 | -2 | 8.0 | 5.5 | -237 | -1 | -1 | 10.9 | 3717 | 49 | 3.6 | -13 | 0.248 | | | | |
| 16-44.2578-112.5652-2-12- | 0-118668 | 11420 | 705 | 5159 | 70 | -2 | 9.9 | 5.8 | -267 | -1 | -1 | 11.0 | 3705 | 99 | 5.2 | 257 | 0.355 | | | | |
| 16-44.2650-112.6008-2-11- | 0-118669 | 6092 | 335 | 4434 | 69 | -2 | 6.2 | 6.8 | -196 | -1 | -1 | 12.8 | 2422 | 43 | 4.0 | 139 | 0.172 | | | | |
| 16-44.2706-112.6119-2-11- | 0-118670 | 9476 | 1224 | 5556 | -27 | -2 | 7.9 | 5.6 | -319 | -1 | -1 | 13.0 | 2119 | 67 | 4.4 | 102 | 0.262 | | | | |
| 16-44.2567-112.6389-2-11- | 0-118671 | 14450 | 307 | 872 | 40 | -2 | 9.7 | 5.6 | -179 | -1 | -1 | 8.5 | 2857 | 73 | 2.1 | 119 | 0.224 | | | | |
| 16-44.2539-112.6428-2-15- | 0-118672 | 21460 | 808 | 4309 | 72 | -2 | 9.9 | 6.7 | -268 | -1 | -1 | 7.8 | 5577 | 99 | 3.0 | 114 | 0.359 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|----------|-----------|---------|-------------|----------|----------------------------|---|-----|-----|-----|-----|-----|-----|----|----|------|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REF/CATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44 | 2564 | -112.6686 | -2-12- | 0-119677 | -5 | -5 | -5 | 36 | -20 | 90 | 16 | -10 | -15 | 5 | -5 | 114 | 1 | 20 | | | |
| 16-44 | 2631 | -112.7153 | -2-12- | 0-119678 | -5 | -5 | -5 | 17 | -20 | 27 | 18 | -10 | -15 | 5 | -5 | 195 | 1 | 26 | | | |
| 16-44 | 2628 | -112.7111 | -2-12- | 0-119679 | -5 | 7 | -5 | 20 | -20 | 68 | 14 | -10 | -15 | 7 | -5 | 170 | 2 | 26 | | | |
| 16-44 | 2978 | -112.7361 | -2-11- | 0-119680 | -5 | -5 | -5 | 32 | -20 | 39 | 117 | -10 | -15 | -5 | -5 | 116 | 2 | 17 | | | |
| 16-44 | 2889 | -112.7514 | -2-12- | 0-119681 | -5 | -5 | -5 | 17 | -20 | 28 | 5 | -10 | -15 | 6 | -5 | 198 | 1 | 31 | | | |
| 16-44 | 3100 | -112.7803 | -2-12- | 0-119682 | -5 | -5 | -5 | -10 | -20 | -15 | 11 | -10 | -15 | 5 | -5 | 219 | 2 | 34 | | | |
| 16-44 | 2983 | -112.8136 | -2-11- | 0-119683 | -5 | -5 | -5 | 23 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 176 | 1 | 22 | | | |
| 16-44 | 2711 | -112.7909 | -2-15- | 0-119684 | -5 | -5 | -5 | 32 | -20 | -15 | 19 | -10 | -15 | 7 | -5 | 162 | 2 | 38 | | | |
| 16-44 | 2739 | -112.7925 | -2-15- | 0-119685 | -5 | 5 | -5 | 29 | -20 | 24 | 10 | -10 | -15 | 12 | -5 | 202 | 2 | 35 | | | |
| 16-44 | 2536 | -112.7222 | -2-15- | 0-119686 | -5 | -5 | 5 | 26 | -20 | 31 | 15 | -10 | -15 | -5 | -5 | 291 | 2 | 27 | | | |
| 16-44 | 1453 | -112.5536 | -2-11- | 0-119687 | -5 | 5 | -5 | 17 | -20 | -15 | -5 | -10 | -15 | 18 | -5 | 48 | -1 | 14 | | | |
| 16-44 | 1400 | -112.5275 | -2-15- | 0-119688 | -5 | -5 | -5 | 27 | -20 | 16 | 11 | -10 | -15 | 11 | -5 | 146 | 1 | 33 | | | |
| 16-44 | 1608 | -112.5136 | -2-12- | 0-119689 | -5 | -5 | -5 | 20 | -20 | 19 | 13 | -10 | -15 | -5 | -5 | 367 | 2 | 24 | | | |
| 16-44 | 1706 | -112.5225 | -2-12- | 0-119690 | -5 | -5 | -5 | 11 | -20 | -15 | 14 | -10 | -15 | -5 | -5 | 248 | 2 | 32 | | | |
| 16-44 | 1697 | -112.5256 | -2-11- | 0-119692 | -5 | 7 | -5 | 20 | -20 | 31 | 15 | -10 | 20 | -5 | -5 | 308 | 2 | 26 | | | |
| 16-44 | 1900 | -112.5061 | -2-15- | 0-119693 | -5 | 6 | -5 | 24 | -20 | 15 | 10 | -10 | 16 | 11 | -5 | 252 | 2 | 26 | | | |
| 16-44 | 2269 | -112.5539 | -2-15- | 0-119694 | -5 | -5 | -5 | -10 | -20 | -15 | 12 | -10 | -15 | 9 | -5 | 230 | 2 | 23 | | | |
| 16-44 | 0881 | -112.5122 | -2-15- | 0-119695 | -5 | 6 | 6 | 16 | -20 | 22 | 14 | -10 | -15 | 9 | -5 | 177 | 2 | 28 | | | |
| 16-44 | 0642 | -112.5947 | -2-15- | 0-119698 | -5 | -5 | -5 | 21 | -20 | 32 | 9 | -10 | -15 | 8 | -5 | 233 | 2 | 27 | | | |
| 16-44 | 1158 | -112.6450 | -2-15- | 0-119714 | -5 | -5 | -5 | 13 | -20 | 29 | -5 | -10 | -15 | 7 | -5 | 271 | 1 | 19 | | | |
| 16-44 | 3967 | -112.5742 | -2-12- | 0-119716 | -5 | 7 | -5 | 12 | -20 | -15 | 13 | -10 | 31 | -5 | -5 | 263 | 1 | 12 | | | |
| 16-44 | 4100 | -112.6414 | -2-12- | 0-119717 | -5 | -5 | -5 | 10 | -20 | -15 | -5 | -10 | -15 | 5 | -5 | 186 | -1 | 10 | | | |
| 16-44 | 4367 | -112.6119 | -2-12- | 0-119718 | -5 | -5 | -5 | -10 | -20 | -15 | 5 | -10 | -15 | 6 | -5 | 339 | -1 | 10 | | | |
| 16-44 | 4375 | -112.6142 | -2-12- | 0-119719 | -5 | -5 | -5 | 21 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 390 | -1 | 19 | | | |
| 16-44 | 4400 | -112.6011 | -2-12- | 0-119720 | -5 | -5 | -5 | -10 | -20 | -15 | 5 | -10 | -15 | -5 | -5 | 261 | -1 | 9 | | | |
| 16-44 | 4531 | -112.6128 | -2-12- | 0-119721 | -5 | 7 | -5 | 19 | -20 | -15 | -5 | -10 | -15 | 6 | -5 | 257 | -1 | 11 | | | |
| 16-44 | 4117 | -112.6550 | -2-12- | 0-119722 | -5 | 5 | -5 | 20 | -20 | 17 | 5 | -10 | 29 | -5 | -5 | 162 | 1 | 22 | | | |
| 16-44 | 4194 | -112.6539 | -2-15- | 0-119723 | -5 | 5 | -5 | 18 | -20 | 19 | 11 | -10 | -15 | 9 | -5 | 233 | 2 | 24 | | | |
| 16-44 | 4280 | -112.6658 | -2-12- | 0-119724 | -5 | -5 | -5 | 19 | -20 | 23 | 11 | -10 | -15 | -5 | -5 | 153 | 2 | 20 | | | |
| 16-44 | 4289 | -112.6694 | -2-12- | 0-119725 | -5 | 6 | -5 | 16 | -20 | 20 | 10 | -10 | -15 | -5 | -5 | 186 | 2 | 18 | | | |
| 16-44 | 4258 | -112.6667 | -2-12- | 0-119726 | -5 | -5 | -5 | 16 | -20 | 63 | 14 | -10 | -15 | -5 | -5 | 200 | 2 | 25 | | | |
| 16-44 | 4486 | -112.6947 | -2-11- | 0-119727 | -5 | -5 | -5 | -10 | -20 | 28 | 8 | -10 | -15 | 7 | -5 | 162 | 1 | 25 | | | |
| 16-44 | 4525 | -112.6972 | -2-12- | 0-119728 | -5 | -5 | -5 | 21 | -20 | 34 | 11 | -10 | 22 | -5 | -5 | 135 | 2 | 25 | | | |
| 16-44 | 4514 | -112.7003 | -2-12- | 0-119729 | -5 | -5 | -5 | 22 | -20 | 27 | 15 | -10 | -15 | -5 | -5 | 226 | 3 | 25 | | | |
| 16-44 | 4572 | -112.6958 | -2-11- | 0-119730 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | 21 | 8 | -5 | 108 | -1 | 11 | | | |
| 16-44 | 4628 | -112.7525 | -2-12- | 0-119731 | -5 | -5 | 5 | 16 | -20 | 41 | 11 | -10 | -15 | 8 | -5 | 212 | 2 | 22 | | | |
| 16-44 | 4625 | -112.7709 | -2-12- | 0-119732 | -5 | 7 | 5 | 27 | -20 | 24 | 13 | -10 | -15 | -5 | -5 | 149 | 2 | 25 | | | |
| 16-44 | 4569 | -112.7675 | -2-11- | 0-119733 | -5 | -5 | -5 | 23 | -20 | 19 | 12 | -10 | -15 | 8 | -5 | 107 | 4 | 16 | | | |
| 16-44 | 4156 | -112.7053 | -2-15- | 0-119734 | -5 | -5 | -5 | 28 | -20 | 91 | 20 | -10 | -15 | -5 | -5 | 157 | 2 | 25 | | | |
| 16-44 | 4175 | -112.7089 | -2-12- | 0-119735 | -5 | 6 | -5 | 23 | -20 | 157 | 22 | -10 | 17 | -5 | -5 | 144 | 3 | 24 | | | |
| 16-44 | 4122 | -112.7172 | -2-15- | 0-119736 | -5 | -5 | -5 | 31 | -20 | 67 | 19 | -10 | -15 | 10 | -5 | 171 | 3 | 39 | | | |
| 16-44 | 4106 | -112.7528 | -2-12- | 0-119737 | -5 | 6 | -5 | 25 | -20 | 168 | 24 | -10 | 17 | -5 | -5 | 139 | 2 | 34 | | | |
| 16-44 | 2611 | -112.1578 | -2-15- | 0-119738 | -5 | 7 | -5 | 15 | -20 | 23 | 15 | -10 | -15 | 6 | -5 | 298 | 2 | 20 | | | |
| 16-44 | 2603 | -112.2378 | -2-12- | 0-119739 | -5 | 5 | -5 | 13 | -20 | -15 | 6 | -10 | 20 | 6 | -5 | 299 | 1 | 13 | | | |
| 16-44 | 3278 | -112.2056 | -2-15- | 0-119740 | -5 | -5 | -5 | 27 | -20 | 20 | 14 | -10 | 15 | -5 | -5 | 227 | 1 | 21 | | | |
| 16-44 | 3286 | -112.2044 | -2-15- | 0-119741 | -5 | 6 | -5 | 21 | -20 | 22 | 17 | -10 | -15 | -5 | -5 | 276 | 2 | 17 | | | |
| 16-44 | 3436 | -112.2397 | -2-11- | 0-119742 | -5 | 5 | -5 | 34 | 21 | 23 | 15 | -10 | -15 | -5 | -5 | 224 | 1 | 18 | | | |
| 16-44 | 2286 | -113.6097 | -2-15- | 0-119744 | -5 | -5 | -5 | 18 | 30 | 34 | 15 | -10 | -15 | 18 | -5 | 244 | 2 | 27 | | | |
| 16-44 | 0628 | -112.2347 | -2-15- | 0-119745 | -5 | -5 | -5 | 19 | 21 | 15 | -5 | -10 | -15 | 11 | -5 | 228 | 2 | 18 | | | |
| 16-44 | 0022 | -112.2281 | -2-15- | 0-119746 | -5 | -5 | -5 | -10 | 39 | 17 | -5 | -10 | -15 | 13 | -5 | 372 | 1 | 16 | | | |
| 16-44 | 0028 | -112.2203 | -2-15- | 0-119747 | 8 | 8 | -5 | -10 | 84 | 35 | -5 | -10 | -15 | 25 | -5 | 1522 | -1 | 14 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|--------|--|---|------|-----|-----|----|-----|--------|------|-------|-----|------|----|----|---|----|----|--|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPEAT | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Bc | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu | | | |
| 16-44.2564-112.6686-2-12- | 0-118677 | 23100 | -0.07 | 368 | 126000 | 49 | -77 | 6.5 | 82 | 3.2 | 4 | 1.1 | 17460 | 4.1 | 14420 | 37 | 0.1 | | | | | | | | |
| 16-44.2631-112.7153-2-12- | 0-118678 | 43830 | -0.07 | 375 | 51530 | 46 | -75 | 6.3 | 74 | 3.7 | 5 | 1.0 | 17010 | 6.7 | 17070 | 33 | 0.3 | | | | | | | | |
| 16-44.2628-112.7111-2-12- | 0-118679 | 42650 | -0.09 | 552 | 65030 | 66 | -64 | 7.7 | 83 | 4.1 | 5 | 1.2 | 21960 | 7.4 | 20990 | 30 | 0.4 | | | | | | | | |
| 16-44.2978-112.7361-2-11- | 0-118680 | 37300 | -0.08 | 597 | 63320 | 51 | 124 | 8.3 | 80 | 4.2 | 5 | 1.2 | 19880 | 4.2 | 21560 | 33 | 0.3 | | | | | | | | |
| 16-44.2889-112.7514-2-12- | 0-118681 | 40730 | -0.07 | 230 | 35000 | 54 | 145 | 5.7 | 78 | 3.6 | 4 | 1.1 | 17240 | 10.2 | 14000 | 33 | 0.3 | | | | | | | | |
| 16-44.3100-112.7803-2-12- | 0-118682 | 49170 | -0.08 | 698 | 76630 | 67 | 233 | 6.5 | 49 | 5.8 | 5 | 1.2 | 19150 | 10.2 | 16830 | 31 | 0.4 | | | | | | | | |
| 16-44.2983-112.8126-2-11- | 0-118683 | 44120 | -0.09 | 312 | 44520 | 66 | -74 | 5.1 | 57 | 3.9 | 5 | 1.0 | 19000 | 8.5 | 17180 | 35 | 0.4 | | | | | | | | |
| 16-44.2711-112.7908-2-15- | 0-118684 | 47110 | -0.09 | 501 | 30740 | 58 | -71 | 6.5 | 99 | 4.2 | 5 | 1.2 | 21120 | 7.1 | 18430 | 27 | 0.4 | | | | | | | | |
| 16-44.2739-112.7925-2-15- | 0-118685 | 50170 | -0.07 | 492 | 12830 | 65 | -82 | 7.4 | 85 | 5.1 | 5 | 1.3 | 22900 | 8.2 | 17820 | 36 | 0.4 | | | | | | | | |
| 16-44.2536-112.7222-2-15- | 0-118686 | 46350 | -0.07 | 426 | 14540 | 63 | -85 | 7.5 | 81 | 4.2 | 5 | 1.3 | 23560 | 11.4 | 19430 | 34 | 0.4 | | | | | | | | |
| 16-44.1453-112.5536-2-11- | 0-118687 | 20150 | -0.05 | 267 | 29940 | 22 | -69 | 3.1 | 10 | 7.4 | 2 | 0.3 | 6862 | 1.8 | 8788 | 13 | 0.1 | | | | | | | | |
| 16-44.1400-112.5275-2-15- | 0-118688 | 47360 | -0.07 | 697 | 106100 | 57 | -72 | 6.1 | 49 | 7.3 | 5 | 1.1 | 20730 | 7.0 | 15910 | 28 | 0.3 | | | | | | | | |
| 16-44.1608-112.5126-2-12- | 0-118690 | 46320 | -0.07 | 696 | 25390 | 92 | -88 | 7.0 | 90 | 6.0 | 6 | 1.5 | 20450 | 18.5 | 20420 | 41 | 0.5 | | | | | | | | |
| 16-44.1706-112.5525-2-12- | 0-118691 | 53650 | -0.07 | 693 | 33320 | 80 | -94 | 7.8 | 61 | 5.3 | 6 | 0.9 | 22330 | 9.6 | 25290 | 38 | 0.4 | | | | | | | | |
| 16-44.1697-112.5256-2-11- | 0-118692 | 54060 | -0.09 | 747 | 19090 | 108 | 146 | 8.9 | 96 | 7.6 | 6 | 1.4 | 23890 | 14.1 | 21570 | 43 | 0.6 | | | | | | | | |
| 16-44.1900-112.5061-2-15- | 0-118693 | 51270 | -0.08 | 767 | 56410 | 82 | -81 | 8.4 | 70 | 4.5 | 6 | 1.3 | 24690 | 11.1 | 21050 | 37 | 0.5 | | | | | | | | |
| 16-44.2269-112.5539-2-15- | 0-118694 | 46660 | -0.07 | 746 | 43100 | 71 | -87 | 8.1 | 73 | 4.3 | 4 | 1.3 | 22360 | 10.0 | 18970 | 32 | 0.3 | | | | | | | | |
| 16-44.0881-112.5122-2-15- | 0-118695 | 59560 | -0.08 | 521 | 31450 | 75 | 97 | 8.0 | 87 | 7.0 | 6 | 1.5 | 27970 | 7.6 | 21180 | 34 | 0.4 | | | | | | | | |
| 16-44.0642-112.5047-2-15- | 0-118698 | 41010 | -0.08 | 511 | 84650 | 75 | -70 | 7.0 | 83 | 3.5 | 5 | 1.2 | 21010 | 10.3 | 16550 | 31 | 0.5 | | | | | | | | |
| 16-44.1158-112.4450-2-15- | 0-118714 | 37000 | -0.06 | 448 | 66540 | 57 | -60 | 5.6 | 59 | 3.8 | 4 | 1.1 | 17520 | 12.0 | 14650 | 34 | 0.3 | | | | | | | | |
| 16-44.3957-112.5742-2-12- | 0-118716 | 28120 | -0.05 | 466 | 28650 | 52 | -59 | 3.1 | 25 | 2.9 | 3 | 0.9 | 10720 | 12.0 | 14640 | 26 | 0.3 | | | | | | | | |
| 16-44.4100-112.6414-2-12- | 0-118717 | 22320 | -0.05 | 348 | 47590 | 37 | -63 | 2.0 | 33 | 1.8 | 3 | 0.8 | 7597 | 7.6 | 11930 | 22 | 0.3 | | | | | | | | |
| 16-44.4367-112.6119-2-12- | 0-118719 | 25420 | -0.06 | 446 | 36500 | 45 | -49 | 2.2 | 34 | 2.0 | 3 | 0.9 | 8406 | 13.5 | 9933 | 24 | 0.4 | | | | | | | | |
| 16-44.4375-112.6142-2-12- | 0-118710 | 25220 | -0.07 | 500 | 67130 | 51 | 133 | 4.1 | 54 | 3.1 | 4 | 1.0 | 14150 | 14.3 | 13540 | 35 | 0.4 | | | | | | | | |
| 16-44.4400-112.6011-2-12- | 0-118720 | 24330 | -0.05 | 372 | 28830 | 44 | -48 | 2.2 | 32 | 2.1 | 3 | 0.9 | 7401 | 11.0 | 11800 | 20 | 0.3 | | | | | | | | |
| 16-44.4531-112.6128-2-12- | 0-118721 | 21940 | -0.05 | 308 | 44430 | 40 | -62 | 2.5 | 36 | 2.0 | 3 | 0.9 | 9416 | 10.9 | 8861 | 20 | 0.2 | | | | | | | | |
| 16-44.4117-112.6500-2-12- | 0-118722 | 25680 | -0.05 | 579 | 119600 | 61 | -85 | 4.5 | 70 | 4.2 | 5 | 0.9 | 13870 | 7.7 | 12360 | 34 | 0.4 | | | | | | | | |
| 16-44.4194-112.6539-2-15- | 0-118723 | 51380 | -0.08 | 519 | 17150 | 68 | -77 | 7.6 | 47 | 4.5 | 5 | 1.1 | 23770 | 9.8 | 17770 | 35 | 0.4 | | | | | | | | |
| 16-44.4289-112.6658-2-12- | 0-118724 | 41390 | -0.07 | 342 | 54340 | 64 | -82 | 5.5 | 46 | 5.7 | 4 | 1.2 | 18330 | 8.3 | 15590 | 31 | 0.3 | | | | | | | | |
| 16-44.4289-112.6694-2-12- | 0-118725 | 42420 | -0.08 | 468 | 123800 | 58 | 203 | 4.0 | 54 | 5.2 | 6 | 1.2 | 15450 | 9.1 | 14860 | 32 | 0.3 | | | | | | | | |
| 16-44.4258-112.6667-2-12- | 0-118726 | 44800 | -0.14 | 512 | 71930 | 57 | -69 | 7.4 | 111 | 4.5 | 5 | 1.4 | 19780 | 8.3 | 15010 | -18 | 0.4 | | | | | | | | |
| 16-44.4486-112.6947-2-11- | 0-118727 | 40810 | -0.14 | 267 | 125700 | 45 | 110 | 6.5 | 48 | 4.5 | 4 | 0.9 | 15880 | 6.9 | 10480 | -15 | 0.3 | | | | | | | | |
| 16-44.4525-112.6972-2-12- | 0-118728 | 50190 | -0.20 | 356 | 95070 | 63 | -81 | 6.3 | 59 | 5.7 | 4 | 1.3 | 20110 | 6.0 | 12750 | 32 | 0.3 | | | | | | | | |
| 16-44.4514-112.7003-2-12- | 0-118729 | 56390 | -0.18 | 555 | 33160 | 74 | 144 | 8.5 | 90 | 7.2 | 6 | 1.5 | 24300 | 9.5 | 15520 | 50 | 0.5 | | | | | | | | |
| 16-44.4572-112.6958-2-11- | 0-118730 | 25750 | -0.14 | 382 | 172600 | 35 | 161 | 3.6 | 26 | 3.2 | 2 | 0.6 | 13860 | 4.9 | 9498 | -16 | -0.1 | | | | | | | | |
| 16-44.4628-112.7525-2-12- | 0-118731 | 51860 | -0.17 | 699 | 25940 | 64 | -87 | 9.5 | 82 | 5.7 | 5 | 1.5 | 28110 | 8.9 | 16840 | 45 | 0.4 | | | | | | | | |
| 16-44.4625-112.7708-2-12- | 0-118732 | 56440 | -0.23 | 638 | 15530 | 73 | -91 | 10.4 | 106 | 5.7 | 5 | 1.6 | 27190 | 6.4 | 17220 | -20 | 0.4 | | | | | | | | |
| 16-44.4549-112.7675-2-11- | 0-118733 | 61020 | -0.27 | 540 | 11300 | 66 | 120 | 10.1 | 65 | 6.6 | 4 | 4.5 | 25330 | 5.0 | 19450 | -26 | 0.8 | | | | | | | | |
| 16-44.4156-112.7053-2-15- | 0-118734 | 47310 | -0.18 | 477 | 17080 | 52 | -70 | 9.2 | 104 | 4.2 | 5 | 1.4 | 24180 | 6.1 | 16890 | -21 | 0.4 | | | | | | | | |
| 16-44.4175-112.7089-2-12- | 0-118735 | 51190 | -0.18 | 525 | 31320 | 56 | -64 | 9.7 | 126 | 5.1 | 5 | 1.4 | 25240 | 6.7 | 19830 | -18 | 0.4 | | | | | | | | |
| 16-44.4122-112.7172-2-15- | 0-118736 | 59120 | -0.22 | 484 | 16900 | 71 | -78 | 8.6 | 115 | 5.2 | 6 | 1.7 | 29040 | 8.0 | 19610 | -19 | 0.5 | | | | | | | | |
| 16-44.4106-112.7528-2-12- | 0-118737 | 54380 | -0.21 | 613 | 29040 | 64 | -87 | 13.4 | 150 | 4.7 | 5 | 1.3 | 28200 | 5.8 | 16010 | -24 | 0.4 | | | | | | | | |
| 16-44.2611-112.1578-2-15- | 0-118738 | 50120 | -0.14 | 692 | 15280 | 79 | -72 | 8.5 | 86 | 4.5 | 5 | 1.4 | 25070 | 14.1 | 16690 | 52 | 0.3 | | | | | | | | |
| 16-44.2603-112.2378-2-12- | 0-118739 | 27720 | -0.12 | 646 | 26450 | 76 | -66 | 4.6 | 51 | 2.6 | 4 | 1.2 | 15310 | 14.7 | 15580 | 45 | 0.4 | | | | | | | | |
| 16-44.3278-112.2056-2-15- | 0-118740 | 48490 | -0.18 | 667 | 11170 | 76 | -85 | 6.8 | 100 | 3.1 | 5 | 1.2 | 18870 | 9.7 | 19220 | -16 | 0.4 | | | | | | | | |
| 16-44.3286-112.2044-2-15- | 0-118741 | 42660 | -0.14 | 661 | 10210 | 67 | -75 | 7.1 | 106 | 3.4 | 6 | 1.2 | 19290 | 11.1 | 15550 | 51 | 0.4 | | | | | | | | |
| 16-44.3436-112.2367-2-11- | 0-118742 | 53130 | -0.17 | 661 | 12540 | 74 | -78 | 11.1 | 168 | 4.8 | 5 | 1.3 | 23010 | 10.1 | 16890 | 44 | 0.5 | | | | | | | | |
| 16-44.2286-113.0097-2-15- | 0-118744 | 50620 | -0.16 | 576 | 12050 | 59 | -76 | 7.5 | 78 | 5.4 | 5 | 1.1 | 23960 | 9.6 | 15900 | 52 | 0.4 | | | | | | | | |
| 16-44.0628-112.2347-2-15- | 0-118745 | 42660 | -0.14 | 767 | 30950 | 80 | -78 | 6.4 | 64 | 2.9 | 3 | 1.3 | 19660 | 8.4 | 14860 | 54 | 0.3 | | | | | | | | |
| 16-44.0022-112.2281-2-15- | 0-118746 | 41150 | -0.17 | 621 | 27670 | 190 | -85 | 11.5 | 192 | 2.2 | 7 | 1.9 | 38430 | 13.7 | 14030 | 121 | 0.6 | | | | | | | | |
| 16-44.0028-112.2203-2-15- | 0-118747 | 26910 | 1.01 | 480 | 21550 | 477 | 132 | 19.9 | 323 | 3.3 | 10 | 3.1 | 102100 | 76.2 | 9357 | 249 | 1.0 | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | U/Th RATIO | |
|-------------------|-----------|-----------|----------|-------------|-----------|---|---|----|------|------|------|----|----|------|-------|-----|------|-----|---------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | L.A.S. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | | V |
| 16-44.2564 | -112.5686 | -2-12- | 0-118577 | 12410 | 324 | 3083 | 47 | -2 | 5.7 | 6.0 | -166 | -1 | -1 | 6.6 | 2092 | 99 | 2.4 | 234 | 0.500 | |
| 16-44.2631 | -112.7153 | -2-12- | 0-118670 | 3280 | 309 | 5674 | 47 | -2 | 6.1 | 4.2 | -177 | -1 | -1 | 8.4 | 2394 | 81 | 3.2 | 172 | 0.429 | |
| 16-44.2628 | -112.7111 | -2-12- | 0-118670 | 11570 | 293 | 4649 | 62 | -2 | 6.2 | 6.0 | -192 | -1 | -1 | 8.7 | 2903 | 131 | 3.4 | 126 | 0.402 | |
| 16-44.2978 | -112.7261 | -2-11- | 0-118680 | 20470 | 374 | 2465 | -27 | 3 | 5.7 | 5.0 | -220 | -1 | -1 | 6.7 | 2470 | 152 | 3.2 | 227 | 0.627 | |
| 16-44.2880 | -112.7514 | -2-12- | 0-118681 | 7067 | 247 | 4003 | 53 | -2 | 6.8 | 6.1 | -161 | -1 | -1 | 7.9 | 2546 | 72 | 1.6 | 113 | 0.430 | |
| 16-44.3100 | -112.7803 | -2-12- | 0-118682 | 7244 | 355 | 10210 | -26 | -2 | 6.3 | 5.6 | -214 | -1 | -1 | 11.3 | 2953 | 49 | 2.7 | 102 | 0.265 | |
| 16-44.2082 | -112.5136 | -2-11- | 0-118692 | 3761 | 466 | 4728 | -29 | -2 | 6.5 | 5.5 | -253 | -1 | -1 | 10.6 | 2878 | 64 | 4.0 | 205 | 0.302 | |
| 16-44.2711 | -112.7908 | -2-15- | 0-118694 | 10320 | 563 | 5599 | 74 | -2 | 7.7 | 4.9 | -244 | -1 | -1 | 8.8 | 2256 | 62 | 2.3 | 182 | 0.330 | |
| 16-44.2739 | -112.7925 | -2-15- | 0-118695 | 7598 | 680 | 6369 | 60 | -2 | 8.8 | 6.8 | -237 | -1 | -1 | 10.2 | 3195 | 75 | 3.2 | 145 | 0.314 | |
| 16-44.2536 | -112.7222 | -2-15- | 0-118696 | 5473 | 622 | 7557 | 73 | -2 | 7.5 | 6.1 | -223 | -1 | -1 | 12.5 | 3022 | 79 | 3.3 | 127 | 0.264 | |
| 16-44.1453 | -112.5536 | -2-11- | 0-118697 | 8120 | 156 | 1307 | -21 | -1 | 2.5 | 1.7 | 488 | -1 | -1 | 3.4 | 915 | 18 | -0.9 | -32 | 0.324 | |
| 16-44.1400 | -112.5275 | -2-15- | 0-118698 | 12490 | 566 | 6346 | 58 | -2 | 7.2 | 4.7 | 307 | -1 | -1 | 10.2 | 2258 | 59 | 2.5 | 96 | 0.255 | |
| 16-44.1608 | -112.5136 | -2-12- | 0-118690 | 7815 | 283 | 10780 | 98 | -2 | 7.6 | 8.6 | -186 | -1 | -1 | 13.6 | 3129 | 66 | 4.5 | 57 | 0.324 | |
| 16-44.1706 | -112.5525 | -2-12- | 0-118691 | 9014 | 558 | 10870 | 104 | -2 | 7.1 | 6.1 | 329 | -1 | -1 | 13.3 | 3314 | 61 | 3.7 | 110 | 0.323 | |
| 16-44.1697 | -112.5256 | -2-11- | 0-118692 | 8180 | 294 | 10500 | 93 | -2 | 8.3 | 7.3 | -199 | -1 | -1 | 14.4 | 3691 | 78 | 4.2 | 81 | 0.278 | |
| 16-44.1900 | -112.5061 | -2-15- | 0-118693 | 11630 | 544 | 9643 | 64 | -2 | 8.2 | 6.6 | 322 | -1 | -1 | 12.2 | 3400 | 72 | 4.0 | 107 | 0.254 | |
| 16-44.2269 | -112.5539 | -2-15- | 0-118694 | 10160 | 568 | 8340 | 73 | -2 | 7.6 | 6.7 | -217 | -1 | -1 | 10.6 | 2785 | 73 | 3.6 | 114 | 0.302 | |
| 16-44.0881 | -112.7122 | -2-15- | 0-118695 | 14190 | 390 | 6384 | 87 | -2 | 9.7 | 6.7 | -199 | -1 | -1 | 13.3 | 2885 | 87 | 3.7 | 202 | 0.218 | |
| 16-44.0642 | -112.5947 | -2-15- | 0-118698 | 10400 | 461 | 6371 | 60 | -2 | 6.7 | 5.3 | -218 | -1 | -1 | 10.0 | 2816 | 80 | 3.5 | 109 | 0.300 | |
| 16-44.1158 | -112.4450 | -2-15- | 0-118714 | 8907 | 366 | 5071 | 61 | -1 | 5.4 | 4.2 | -176 | -1 | -1 | 8.6 | 2534 | 54 | 3.1 | 87 | 0.349 | |
| 16-44.3967 | -112.5742 | -2-12- | 0-118716 | 8924 | 233 | 3908 | 52 | -1 | 3.7 | 5.2 | -145 | -1 | -1 | 8.8 | 2346 | 33 | 2.7 | 44 | 0.295 | |
| 16-44.4100 | -112.6414 | -2-12- | 0-118717 | 8909 | 568 | 3247 | -15 | -1 | 2.8 | 3.2 | -188 | -1 | -1 | 6.0 | 1274 | 27 | 2.0 | -49 | 0.433 | |
| 16-44.4267 | -112.6119 | -2-12- | 0-118718 | 4616 | 237 | 2787 | 34 | -1 | 3.1 | 3.6 | -167 | -1 | -1 | 7.2 | 1761 | 26 | 2.3 | -37 | 0.389 | |
| 16-44.4375 | -112.6142 | -2-12- | 0-118719 | 12350 | 559 | 2188 | 55 | -2 | 5.3 | 4.7 | -219 | -1 | -1 | 8.1 | 2458 | 57 | 4.0 | 72 | 0.568 | |
| 16-44.4400 | -112.6111 | -2-12- | 0-118720 | 8258 | 176 | 2675 | 47 | -1 | 2.9 | 4.7 | -120 | -1 | -1 | 6.2 | 2128 | 26 | 2.0 | -19 | 0.435 | |
| 16-44.4531 | -112.6128 | -2-12- | 0-118721 | 5185 | 758 | 2198 | -17 | -1 | 3.2 | 3.3 | -212 | -1 | -1 | 6.1 | 1632 | 27 | 1.6 | 49 | 0.508 | |
| 16-44.4117 | -112.6550 | -2-12- | 0-118722 | 6320 | 263 | 6590 | -26 | -2 | 5.1 | 4.6 | -211 | -1 | -1 | 8.8 | 2026 | 53 | 4.1 | 46 | 0.375 | |
| 16-44.4194 | -112.6539 | -2-15- | 0-118723 | 5802 | 1349 | 4794 | 60 | -2 | 7.7 | 6.1 | -334 | -1 | -1 | 12.0 | 3179 | 66 | 3.7 | 136 | 0.250 | |
| 16-44.4289 | -112.6658 | -2-12- | 0-118724 | 6343 | 212 | 5787 | 51 | -2 | 6.3 | 6.7 | -188 | -1 | -1 | 9.7 | 2498 | 46 | 3.2 | 127 | 0.258 | |
| 16-44.4289 | -112.6694 | -2-12- | 0-118725 | 5140 | 225 | 7043 | 59 | -2 | 5.2 | 5.3 | 502 | -1 | -1 | 10.8 | 2182 | 47 | -1.4 | 135 | 0.278 | |
| 16-44.4258 | -112.6667 | -2-12- | 0-118726 | 10520 | 212 | 5412 | 56 | -4 | 7.3 | 6.7 | -186 | -1 | -1 | 8.8 | 3268 | 94 | -2.0 | 138 | 0.386 | |
| 16-44.4486 | -112.6947 | -2-11- | 0-118727 | 6180 | 156 | 5907 | 77 | -3 | 6.0 | 5.4 | 337 | -1 | -1 | 9.2 | 2303 | 59 | 3.2 | 118 | 0.750 | |
| 16-44.4525 | -112.6972 | -2-12- | 0-118728 | 8258 | 266 | 5473 | -30 | -5 | 8.7 | 5.8 | -183 | -1 | -1 | 11.1 | 2579 | 69 | 3.8 | 115 | 0.216 | |
| 16-44.4514 | -112.7003 | -2-12- | 0-118729 | 8240 | 412 | 7588 | 98 | -4 | 8.7 | 8.5 | -206 | -1 | -1 | 12.6 | 2685 | 64 | -2.4 | 131 | 0.246 | |
| 16-44.4572 | -112.6958 | -2-11- | 0-118730 | 6590 | 308 | 4676 | -25 | -3 | 3.5 | 4.4 | 485 | -1 | -1 | 5.3 | 1657 | 30 | -1.9 | 136 | 0.396 | |
| 16-44.4628 | -112.7525 | -2-12- | 0-118731 | 7754 | 1210 | 6215 | 74 | -4 | 8.8 | 6.1 | -348 | -1 | -1 | 10.6 | 2401 | 62 | 3.6 | 150 | 0.283 | |
| 16-44.4625 | -112.7708 | -2-12- | 0-118732 | 6613 | 816 | 5450 | -34 | -5 | 9.6 | 7.0 | -288 | -1 | -1 | 10.6 | 3741 | 82 | 4.6 | 141 | 0.340 | |
| 16-44.4569 | -112.7675 | -2-11- | 0-118733 | 5211 | 386 | 3055 | -41 | -6 | 10.5 | 24.0 | -235 | -1 | 3 | 11.9 | 2057 | 66 | 6.4 | 124 | 0.496 | |
| 16-44.4156 | -112.7053 | -2-15- | 0-118734 | 11740 | 535 | 4458 | -31 | -4 | 8.4 | 7.1 | -265 | -1 | -1 | 8.8 | 2910 | 103 | -2.6 | 186 | 0.409 | |
| 16-44.4175 | -112.7089 | -2-12- | 0-118735 | 11920 | 513 | 4635 | 73 | -4 | 9.6 | 5.3 | -221 | -1 | -1 | 9.7 | 3766 | 121 | -2.3 | 299 | 0.433 | |
| 16-44.4122 | -112.7172 | -2-15- | 0-118736 | 7311 | 576 | 4797 | 99 | -5 | 10.2 | 9.2 | -232 | -1 | -1 | 12.2 | 3450 | 115 | -2.8 | 174 | 0.361 | |
| 16-44.4106 | -112.7528 | -2-12- | 0-118737 | 9944 | 423 | 4892 | -36 | -5 | 10.6 | 7.1 | -223 | -1 | -1 | 10.3 | 3852 | 158 | -3.0 | 417 | 0.592 | |
| 16-44.2611 | -112.1578 | -2-15- | 0-118738 | 7272 | 550 | 8426 | 75 | -3 | 8.5 | 9.1 | -221 | 1 | -1 | 12.5 | 3244 | 76 | 5.0 | 101 | 0.248 | |
| 16-44.2603 | -112.2378 | -2-12- | 0-118739 | 4052 | 390 | 7621 | 50 | -3 | 4.7 | 5.6 | -183 | 2 | 1 | 9.4 | 2954 | 51 | -1.6 | 65 | 0.309 | |
| 16-44.3278 | -112.2056 | -2-15- | 0-118740 | 3850 | 304 | 8733 | -28 | -4 | 6.9 | 6.5 | -187 | -1 | -1 | 11.7 | 2493 | 58 | -2.3 | 112 | 0.308 | |
| 16-44.3286 | -112.2044 | -2-15- | 0-118741 | 5065 | 410 | 7254 | 70 | -3 | 6.9 | 6.2 | -184 | -1 | -1 | 10.0 | 3094 | 52 | -2.3 | 96 | 0.320 | |
| 16-44.3436 | -112.2397 | -2-11- | 0-118742 | 5661 | 431 | 8173 | 69 | -4 | 9.9 | 7.6 | -234 | -1 | -1 | 10.7 | 3401 | 72 | -2.1 | 106 | 0.327 | |
| 16-44.2286 | -113.0097 | -2-15- | 0-118744 | 7752 | 807 | 7035 | -27 | -4 | 8.1 | 5.2 | -259 | -1 | -1 | 9.9 | 3048 | 74 | 5.4 | 174 | 0.303 | |
| 16-44.0628 | -112.2347 | -2-15- | 0-118745 | 8253 | 402 | 8909 | 53 | -3 | 5.9 | 5.9 | -183 | -1 | -1 | 11.0 | 2563 | 66 | -1.9 | 77 | 0.245 | |
| 16-44.0022 | -112.2281 | -2-15- | 0-118746 | 11570 | 652 | 9808 | 78 | -4 | 13.6 | 12.7 | -206 | 4 | 1 | 20.8 | 4557 | 110 | 5.4 | 69 | 0.216 | |
| 16-44.0028 | -112.2203 | -2-15- | 0-118747 | 10370 | 1170 | 7962 | 70 | -4 | 14.7 | 29.6 | -286 | 7 | -1 | 55.6 | 13280 | 261 | 9.1 | 155 | 0.196 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

②

| DOE SAMPLE NUMBER | | | | | | DOE LAB NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|-----------|-----------|----------|-------------|-----------|----------------|---|-----|-----|----|-----|-----|----|----|-----|----|-----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.0400 | -112.2022 | -2-11- | 0-119750 | -5 | -5 | -5 | 10 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 214 | 2 | 15 | | | | |
| 16-44.0200 | -112.0356 | -2-15- | 0-119753 | -5 | -5 | -5 | 14 | -20 | -15 | -5 | -10 | -15 | 12 | -5 | 362 | 2 | 17 | | | | |
| 16-44.0047 | -112.0236 | -2-15- | 0-119754 | -5 | -5 | -5 | 2P | 25 | 21 | 14 | -10 | 18 | 5 | -5 | 232 | 2 | 16 | | | | |
| 16-44.1111 | -112.1203 | -2-12- | 0-119758 | -5 | 5 | -5 | 10 | 3P | -15 | 8 | -10 | -15 | -5 | -5 | 304 | 2 | 11 | | | | |
| 16-44.0761 | -112.1794 | -2-12- | 0-119760 | -5 | 9 | -5 | 14 | 4C | 19 | 9 | -10 | 23 | -5 | -5 | 722 | 2 | 12 | | | | |
| 16-44.0739 | -112.6294 | -2-15- | 0-119762 | -5 | -5 | -5 | 2P | -20 | 17 | 21 | -10 | -15 | 5 | -5 | 170 | 2 | 32 | | | | |
| 16-44.0594 | -112.6492 | -2-15- | 0-119763 | -5 | 5 | -5 | 22 | -20 | -15 | 15 | -10 | -15 | 8 | -5 | 159 | 2 | 21 | | | | |
| 16-44.0650 | -112.6422 | -2-15- | 0-119764 | -5 | -5 | -5 | 22 | -20 | 20 | 12 | -10 | -15 | 7 | -5 | 199 | 1 | 20 | | | | |
| 16-44.0367 | -112.7106 | -2-15- | 0-119766 | -5 | -5 | -5 | 18 | -20 | 24 | 18 | -10 | -15 | -5 | -5 | 191 | 1 | 19 | | | | |
| 16-44.0289 | -112.7208 | -2-15- | 0-119767 | -5 | 5 | -5 | 20 | -20 | 19 | 8 | -10 | 17 | 12 | -5 | 211 | -1 | 20 | | | | |
| 16-44.0497 | -112.7289 | -2-15- | 0-119768 | -5 | 6 | -5 | 28 | -20 | -15 | 16 | -10 | 22 | -5 | -5 | 244 | -1 | 26 | | | | |
| 16-44.1064 | -112.7000 | -2-15- | 0-119771 | -5 | 5 | -5 | 14 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 178 | -1 | 16 | | | | |
| 16-44.1069 | -112.6989 | -2-15- | 0-119772 | -5 | -5 | -5 | 23 | 25 | 22 | 22 | -10 | -15 | 5 | -5 | 218 | 2 | 25 | | | | |
| 16-44.1189 | -112.6836 | -2-15- | 0-119773 | -5 | 5 | 5 | 23 | 3P | -15 | 7 | -10 | -15 | 12 | -5 | 134 | 1 | 23 | | | | |
| 16-44.1191 | -112.6831 | -2-15- | 0-119774 | -5 | -5 | -5 | 16 | 45 | -15 | 13 | -10 | -15 | 9 | -5 | 231 | 1 | 26 | | | | |
| 16-44.1136 | -112.3061 | -2-15- | 0-119776 | -5 | 6 | 5 | 13 | -20 | 22 | 16 | -10 | -15 | -5 | -5 | 218 | 1 | 19 | | | | |
| 16-44.0764 | -112.2500 | -2-15- | 0-119779 | -5 | -5 | -5 | 14 | 39 | -15 | 9 | -10 | -15 | -5 | -5 | 401 | 1 | 12 | | | | |
| 16-44.1319 | -112.6261 | -2-15- | 0-119790 | -5 | -5 | -5 | 24 | -20 | 37 | -5 | -10 | -15 | 14 | -5 | 256 | 2 | 23 | | | | |
| 16-44.1861 | -112.7228 | -2-11- | 0-119791 | -5 | -5 | -5 | 14 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 253 | -1 | 9 | | | | |
| 16-44.1844 | -112.7289 | -2-15- | 0-119792 | -5 | 5 | -5 | 21 | -20 | 24 | 8 | -10 | -15 | 7 | -5 | 277 | 2 | 26 | | | | |
| 16-44.2161 | -112.7581 | -2-15- | 0-119793 | -5 | -5 | -5 | 18 | 20 | 27 | 18 | -10 | -15 | -5 | -5 | 190 | 1 | 27 | | | | |
| 16-44.2150 | -112.7592 | -2-15- | 0-119794 | -5 | -5 | -5 | 21 | 25 | 27 | 20 | -10 | -15 | -5 | -5 | 200 | 2 | 19 | | | | |
| 16-44.2222 | -112.7628 | -2-99- | 0-119795 | -5 | -5 | 5 | 17 | -20 | 36 | 10 | -10 | -15 | 13 | -5 | 187 | 1 | 25 | | | | |
| 16-44.2297 | -112.8042 | -2-11- | 0-119796 | -5 | -5 | -5 | 23 | -20 | 16 | 9 | -10 | -15 | -5 | -5 | 140 | 1 | 11 | | | | |
| 16-44.2497 | -112.7844 | -2-15- | 0-119797 | -5 | 9 | -5 | 23 | -20 | -15 | 14 | -10 | 26 | 7 | -5 | 257 | -1 | 19 | | | | |
| 16-44.2492 | -112.7975 | -2-11- | 0-119798 | -5 | -5 | -5 | 19 | -20 | 33 | 14 | -10 | -15 | 13 | -5 | 202 | 1 | 21 | | | | |
| 16-44.2675 | -112.8275 | -2-11- | 0-119799 | -5 | 8 | -5 | 24 | 27 | 26 | 11 | -10 | -15 | -5 | -5 | 155 | 1 | 114 | | | | |
| 16-44.1586 | -112.7056 | -2-15- | 0-119800 | -5 | 6 | -5 | 23 | -20 | 18 | 11 | -10 | -15 | 11 | -5 | 203 | 1 | 31 | | | | |
| 16-44.1833 | -112.7997 | -2-11- | 0-119791 | -5 | 5 | -5 | 26 | -20 | 24 | 19 | -10 | -15 | 7 | -5 | 114 | 2 | 44 | | | | |
| 16-44.1778 | -112.7556 | -2-15- | 0-119792 | -5 | -5 | -5 | 30 | -20 | 27 | 12 | -10 | -15 | -5 | -5 | 275 | 1 | 49 | | | | |
| 16-44.1781 | -112.7569 | -2-15- | 0-119793 | -5 | -5 | -5 | 29 | 25 | 19 | 12 | -10 | 19 | 6 | -5 | 196 | 1 | 35 | | | | |
| 16-44.1511 | -112.7550 | -2-15- | 0-119794 | -5 | 8 | -5 | 16 | -20 | 18 | 17 | -10 | -15 | -5 | -5 | 267 | -1 | 27 | | | | |
| 16-44.1836 | -112.2308 | -2-12- | 0-119795 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 209 | 1 | 18 | | | | |
| 16-44.1729 | -112.2175 | -2-15- | 0-119796 | -5 | -5 | -5 | -10 | -20 | -15 | 11 | -10 | 18 | 6 | -5 | 244 | -1 | 15 | | | | |
| 16-44.1690 | -112.1925 | -2-15- | 0-119797 | -5 | 5 | -5 | 25 | -20 | -15 | 11 | -10 | -15 | 10 | -5 | 282 | 1 | 14 | | | | |
| 16-44.1744 | -112.1467 | -2-15- | 0-119798 | -5 | 5 | -5 | 22 | -20 | 27 | 15 | -10 | -15 | 6 | -5 | 250 | 1 | 19 | | | | |
| 16-44.1691 | -112.1906 | -2-15- | 0-119799 | -5 | 6 | -5 | 18 | -20 | -15 | 9 | -10 | 19 | 13 | -5 | 352 | 2 | 16 | | | | |
| 16-44.1667 | -112.0403 | -2-12- | 0-118900 | -5 | 6 | -5 | 16 | -20 | -15 | 8 | -10 | -15 | -5 | -5 | 311 | 2 | 12 | | | | |
| 16-44.1578 | -112.0500 | -2-12- | 0-119901 | -5 | -5 | -5 | 16 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 345 | 2 | 12 | | | | |
| 16-44.1378 | -112.0819 | -2-12- | 0-119902 | -5 | -5 | -5 | 13 | -20 | -15 | 5 | -10 | -15 | -5 | -5 | 428 | 2 | 13 | | | | |
| 16-44.2544 | -112.0172 | -2-15- | 0-118903 | -5 | 5 | -5 | 17 | -20 | 21 | 9 | -10 | 22 | 8 | -5 | 442 | 1 | 15 | | | | |
| 16-44.1311 | -112.1031 | -2-15- | 0-119904 | -5 | -5 | -5 | 13 | -20 | 26 | 12 | -10 | -15 | -5 | -5 | 227 | 1 | 15 | | | | |
| 16-44.1382 | -112.2097 | -2-15- | 0-118905 | -5 | -5 | -5 | 21 | -20 | 15 | 9 | -10 | -15 | 7 | -5 | 244 | 1 | 16 | | | | |
| 16-44.1422 | -112.2169 | -2-15- | 0-118906 | -5 | 6 | -5 | 17 | -20 | -15 | 12 | -10 | -15 | 5 | -5 | 276 | 1 | 11 | | | | |
| 16-44.3722 | -112.7542 | -2-12- | 0-119907 | -5 | -5 | -5 | 27 | -20 | 40 | 14 | -10 | -15 | 5 | -5 | 141 | -1 | 18 | | | | |
| 16-44.3678 | -112.7844 | -2-11- | 0-118908 | -5 | 6 | -5 | 35 | -20 | 18 | 20 | -10 | -15 | 7 | -5 | 127 | 1 | 12 | | | | |
| 16-44.3589 | -112.7744 | -2-12- | 0-118909 | -5 | -5 | -5 | 30 | -20 | 16P | 6 | -10 | -15 | 5 | -5 | 57 | -1 | 26 | | | | |
| 16-44.3608 | -112.7758 | -2-12- | 0-118910 | -5 | -5 | -5 | 16 | -20 | 37 | 9 | -10 | -15 | -5 | -5 | 123 | 1 | 19 | | | | |
| 16-44.3569 | -112.7542 | -2-12- | 0-118911 | -5 | -5 | 8 | 29 | -20 | 247 | 22 | -10 | -15 | 10 | -5 | 156 | 3 | 18 | | | | |
| 16-44.4200 | -113.2514 | -2-15- | 0-118912 | -5 | -5 | -5 | 28 | -20 | 18 | 55 | -10 | 16 | -5 | -5 | 149 | 2 | 44 | | | | |
| 16-44.3642 | -112.6661 | -2-12- | 0-118913 | -5 | 7 | -5 | 19 | -20 | 124 | 13 | -10 | -15 | 7 | -5 | 162 | -1 | 25 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|---------|--|---|------|-----|------|----|-----|-------|------|-------|-----|------|----|----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | PRIVATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Bc | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 16-44.0400-112.2022-2-11- | 0-118750 | 45050 | -0.13 | 906 | 14070 | 77 | -70 | 4.7 | 67 | 2.3 | 4 | 1.3 | 17510 | 8.2 | 18920 | 38 | 0.4 | | | |
| 16-44.0200-112.0256-2-15- | 0-118753 | 40990 | -0.15 | 730 | 23380 | 86 | -74 | 7.5 | 67 | 2.9 | 4 | 1.4 | 24180 | 15.8 | 15960 | 56 | 0.5 | | | |
| 16-44.0047-112.0236-2-15- | 0-118754 | 44440 | -0.13 | 720 | 11570 | 76 | -83 | 7.5 | 66 | 2.7 | 5 | 1.2 | 20840 | 10.0 | 19620 | -14 | 0.4 | | | |
| 16-44.1111-112.1203-2-12- | 0-118758 | 41200 | -0.12 | 735 | 12180 | 96 | -72 | 4.9 | 78 | 2.4 | 4 | 1.4 | 19200 | 16.2 | 16990 | 51 | 0.4 | | | |
| 16-44.0761-112.1704-2-12- | 0-118760 | 41540 | 0.36 | 699 | 14670 | 137 | -70 | 6.3 | 118 | 3.5 | 6 | 1.6 | 25720 | 27.5 | 17740 | 86 | 0.5 | | | |
| 16-44.0739-112.6294-2-15- | 0-118762 | 50170 | -0.18 | 536 | 36300 | 73 | -91 | 7.5 | 66 | 4.3 | 4 | 1.3 | 22630 | 7.1 | 20270 | 37 | 0.4 | | | |
| 16-44.0594-112.6492-2-15- | 0-118763 | 47550 | -0.15 | 746 | 59360 | 63 | 161 | 8.3 | 66 | 3.6 | 4 | 1.1 | 23150 | 6.2 | 18960 | -15 | 0.4 | | | |
| 16-44.0650-112.6422-2-15- | 0-118764 | 42600 | -0.14 | 586 | 60160 | 70 | -76 | 7.6 | 98 | 4.1 | 4 | 1.3 | 22610 | 9.2 | 16010 | -13 | 0.3 | | | |
| 16-44.0367-112.7106-2-15- | 0-118766 | 42090 | -0.14 | 588 | 73700 | 51 | -74 | 7.1 | 69 | 3.5 | 4 | 1.0 | 18980 | 7.4 | 15480 | 34 | 0.2 | | | |
| 16-44.0289-112.7208-2-15- | 0-118767 | 38020 | -0.15 | 525 | 73480 | 58 | -78 | 5.8 | 72 | 3.1 | 4 | 1.2 | 18900 | 9.8 | 15690 | 38 | 0.3 | | | |
| 16-44.0497-112.7389-2-15- | 0-118768 | 43490 | -0.16 | 508 | 69340 | 59 | 134 | 7.5 | 61 | 3.3 | 5 | 1.2 | 21680 | 9.1 | 18420 | -17 | 0.3 | | | |
| 16-44.1064-112.7000-2-15- | 0-118771 | 36150 | -0.13 | 542 | 136300 | 54 | -74 | 7.2 | 67 | 4.0 | 3 | 1.0 | 17950 | 8.3 | 11660 | -16 | -0.1 | | | |
| 16-44.1069-112.6989-2-15- | 0-118772 | 52290 | -0.16 | 722 | 25960 | 58 | -78 | 9.0 | 67 | 4.2 | 5 | 1.4 | 24990 | 8.4 | 17290 | 42 | 0.3 | | | |
| 16-44.1189-112.6836-2-15- | 0-118773 | 47130 | -0.17 | 627 | 57790 | 66 | -86 | 8.3 | 63 | 3.7 | 4 | 1.2 | 20280 | 5.6 | 15930 | 42 | 0.5 | | | |
| 16-44.1181-112.6811-2-15- | 0-118774 | 50370 | -0.15 | 685 | 27040 | 62 | -88 | 8.2 | 72 | 4.4 | 5 | 1.4 | 23970 | 10.2 | 18380 | 50 | 0.4 | | | |
| 16-44.1136-112.2061-2-15- | 0-118776 | 40540 | -0.14 | 506 | 28740 | 58 | -69 | 6.8 | 67 | 3.2 | 4 | 1.2 | 18870 | 8.9 | 14600 | -16 | 0.4 | | | |
| 16-44.0764-112.2500-2-15- | 0-118779 | 40070 | -0.13 | 628 | 28920 | 94 | -63 | 7.2 | 94 | 3.3 | 5 | 1.4 | 29470 | 15.7 | 13390 | 64 | 0.4 | | | |
| 16-44.1310-112.6361-2-15- | 0-118780 | 42670 | -0.16 | 386 | 57420 | 73 | -70 | 7.2 | 93 | 3.3 | 4 | 1.2 | 21890 | 12.8 | 16870 | 54 | 0.6 | | | |
| 16-44.1861-112.7228-2-11- | 0-118781 | 19590 | -0.06 | 166 | 38990 | 39 | -36 | -0.8 | 50 | 1.7 | 3 | 0.5 | 7590 | 10.3 | 11780 | 17 | 0.2 | | | |
| 16-44.1844-112.7229-2-15- | 0-118782 | 42020 | -0.13 | 507 | 26250 | 60 | -60 | 7.0 | 84 | 4.3 | 5 | 1.3 | 20580 | 13.5 | 14810 | -15 | 0.4 | | | |
| 16-44.2161-112.7581-2-15- | 0-118783 | 45360 | -0.16 | 495 | 12350 | 56 | -62 | 6.7 | 88 | 4.6 | 5 | 1.1 | 19580 | 7.1 | 19010 | -17 | 0.3 | | | |
| 16-44.2150-112.7592-2-15- | 0-118784 | 41230 | -0.18 | 412 | 8267 | 58 | -77 | 5.5 | 70 | 2.9 | 3 | 0.9 | 19790 | 9.3 | 17390 | 37 | 0.5 | | | |
| 16-44.2222-112.7628-2-00- | 0-118785 | 47020 | -0.16 | 328 | 50340 | 61 | -64 | 8.8 | 105 | 4.9 | 5 | 1.3 | 23100 | 8.5 | 16260 | 30 | 0.4 | | | |
| 16-44.2297-112.8042-2-11- | 0-118786 | 40810 | -0.19 | 294 | 23460 | 40 | -62 | 3.7 | 74 | 2.0 | 4 | 0.8 | 14770 | 5.3 | 11610 | -23 | 0.3 | | | |
| 16-44.2497-112.7844-2-15- | 0-118787 | 38810 | -0.18 | 356 | 28630 | 62 | -68 | 6.0 | 92 | 3.0 | 4 | 1.0 | 17750 | 12.3 | 14280 | -17 | 0.4 | | | |
| 16-44.2482-112.7975-2-11- | 0-118788 | 44240 | -0.19 | -169 | 24930 | 48 | -94 | 8.2 | 91 | 4.1 | 5 | 1.0 | 27280 | 8.4 | 18010 | -19 | 0.4 | | | |
| 16-44.2675-112.8275-2-11- | 0-118789 | 67350 | -0.19 | 222 | 42140 | 75 | -66 | 8.2 | 113 | 5.1 | 5 | 1.4 | 19730 | 7.2 | 14590 | -21 | 0.5 | | | |
| 16-44.1586-112.7056-2-15- | 0-118790 | 43170 | -0.15 | 510 | 27000 | 47 | -68 | 5.2 | 64 | 4.7 | 4 | 1.1 | 19040 | 8.5 | 13770 | 47 | 0.4 | | | |
| 16-44.1833-112.7997-2-11- | 0-118791 | 70860 | -0.26 | 327 | 35720 | 90 | -76 | 9.1 | 126 | 6.8 | 4 | 1.2 | 24310 | 5.5 | 14730 | -24 | 0.4 | | | |
| 16-44.1778-112.7556-2-15- | 0-118792 | 41650 | -0.16 | 452 | 15950 | 59 | -83 | 5.7 | 104 | 3.7 | 5 | 1.0 | 20040 | 10.3 | 19490 | -16 | 0.3 | | | |
| 16-44.1781-112.7569-2-15- | 0-118793 | 42300 | -0.14 | 486 | 19300 | 58 | -70 | 6.9 | 88 | 4.1 | 4 | 1.3 | 20310 | 9.8 | 15200 | 43 | 0.4 | | | |
| 16-44.1511-112.7550-2-15- | 0-118794 | 95560 | -0.50 | 1268 | 61100 | 131 | -194 | 14.9 | 259 | 10.8 | 11 | 2.8 | 43030 | 34.8 | 42050 | -62 | 1.0 | | | |
| 16-44.1835-112.2308-2-12- | 0-118795 | 39550 | -0.14 | 647 | 32310 | 72 | -81 | 4.8 | 43 | 2.7 | 4 | 1.1 | 14370 | 9.1 | 14980 | 36 | 0.4 | | | |
| 16-44.1739-112.2175-2-15- | 0-118796 | 38370 | -0.12 | 561 | 34330 | 60 | -71 | 5.3 | 45 | 3.0 | 4 | 1.0 | 16480 | 10.3 | 14160 | -12 | 0.3 | | | |
| 16-44.1689-112.1925-2-15- | 0-118797 | 46550 | -0.13 | 677 | 12700 | 84 | -70 | 9.6 | 33 | 4.4 | 5 | 1.5 | 27690 | 13.0 | 17990 | 42 | 0.4 | | | |
| 16-44.1744-112.1467-2-15- | 0-118798 | 51840 | -0.13 | 695 | 12130 | 60 | -69 | 7.2 | 84 | 3.7 | 5 | 1.3 | 23460 | 9.7 | 20650 | 28 | 0.3 | | | |
| 16-44.1681-112.1906-2-15- | 0-118799 | 44480 | -0.15 | 705 | 12840 | 95 | -75 | 7.7 | 91 | 2.6 | 4 | 1.4 | 25680 | 16.3 | 14600 | 43 | 0.4 | | | |
| 16-44.1667-112.0403-2-12- | 0-118800 | 45070 | -0.13 | 733 | 10150 | 77 | -88 | 5.8 | 59 | 2.9 | 5 | 1.2 | 17870 | 13.5 | 18900 | 56 | 0.4 | | | |
| 16-44.1578-112.0500-2-12- | 0-118801 | 41380 | -0.12 | 741 | 12330 | 90 | -72 | 6.0 | 72 | 2.3 | 5 | 1.4 | 19470 | 16.1 | 18900 | 47 | 0.4 | | | |
| 16-44.1378-112.0819-2-12- | 0-118802 | 42470 | -0.12 | 753 | 10450 | 86 | -72 | 4.6 | 59 | 2.4 | 5 | 1.2 | 15510 | 16.7 | 17770 | 57 | 0.5 | | | |
| 16-44.2544-112.0172-2-15- | 0-118803 | 42730 | -0.15 | 720 | 13860 | 105 | -76 | 9.3 | 101 | 2.9 | 5 | 1.5 | 27090 | 18.8 | 14600 | 49 | 0.5 | | | |
| 16-44.1311-112.1531-2-15- | 0-118804 | 47380 | 0.79 | 738 | 12370 | 69 | -77 | 8.0 | 67 | 3.8 | 5 | 1.4 | 22330 | 10.7 | 20890 | 39 | 0.4 | | | |
| 16-44.1393-112.2097-2-15- | 0-118805 | 43270 | -0.11 | 754 | 18260 | 83 | -63 | 6.4 | 61 | 4.3 | 4 | 1.4 | 20280 | 11.9 | 17100 | 44 | 0.4 | | | |
| 16-44.1422-112.2169-2-15- | 0-118806 | 41330 | -0.11 | 675 | 10430 | 75 | -50 | 5.8 | 51 | 3.0 | 4 | 1.2 | 19170 | 12.8 | 19270 | 50 | 0.4 | | | |
| 16-44.3722-112.7542-2-12- | 0-118807 | 35200 | -0.18 | 278 | 104800 | 48 | -78 | 6.6 | 92 | 3.7 | 4 | 0.9 | 18050 | 5.6 | 18630 | -20 | 0.3 | | | |
| 16-44.3678-112.7844-2-11- | 0-118808 | 36670 | -0.18 | 446 | 34210 | 32 | -78 | 6.0 | 72 | -1.8 | 4 | 0.9 | 19290 | 5.6 | 15950 | -21 | 0.3 | | | |
| 16-44.3889-112.7744-2-12- | 0-118809 | 24510 | -0.15 | 558 | 177600 | 41 | 139 | 16.6 | 270 | 2.4 | 3 | 1.1 | 29600 | 1.8 | 6779 | -14 | 0.3 | | | |
| 16-44.3608-112.7758-2-12- | 0-118810 | 36410 | -0.15 | 460 | 100000 | 36 | 94 | 6.3 | 85 | 3.7 | 5 | 1.3 | 19130 | 5.0 | 17020 | -17 | 0.3 | | | |
| 16-44.3569-112.7542-2-12- | 0-118811 | 45070 | -0.20 | 763 | 66930 | 56 | -68 | 12.6 | 78 | 5.1 | 5 | 1.5 | 31440 | 7.1 | 20400 | 45 | 0.4 | | | |
| 16-44.4200-113.2514-2-15- | 0-118812 | 51750 | -0.17 | 494 | 69200 | 65 | -97 | 10.8 | 65 | 6.5 | 4 | 1.3 | 30360 | 5.8 | 13680 | 38 | 0.3 | | | |
| 16-44.3642-112.6861-2-12- | 0-118813 | 43780 | -0.15 | 493 | 57090 | 58 | -61 | 12.2 | 147 | 4.0 | 5 | 1.5 | 24050 | 8.6 | 19370 | 30 | 0.4 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------------|---|------|------|----|----|------|------|-----|------|-------|-------|----|---|----|---------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | |
| 16-44.0400-112.2022-2-11- | 0-119750 | 4261 | 294 | 10900 | 66 | -3 | 6.0 | 6.8 | -174 | -1 | -1 | 11.7 | 2672 | 65 | 4.1 | 78 | 0.265 | | | | |
| 16-44.0200-112.0356-2-15- | 0-119752 | 5845 | 436 | 2231 | 59 | -3 | 6.3 | 6.5 | -177 | 2 | -1 | 12.5 | 2837 | 69 | 3.6 | 85 | 0.264 | | | | |
| 16-44.0047-112.0226-2-15- | 0-119754 | 3702 | 454 | 9596 | 58 | -3 | 6.3 | 4.3 | -188 | -1 | -1 | 11.0 | 2919 | 64 | 2.7 | 82 | 0.282 | | | | |
| 16-44.1111-112.1203-2-12- | 0-119758 | 4889 | 309 | 10750 | 47 | -3 | 6.1 | 9.1 | -183 | -1 | -1 | 13.4 | 3277 | 60 | 4.9 | 67 | 0.254 | | | | |
| 16-44.0761-112.1794-2-12- | 0-119760 | 5197 | 456 | 10370 | 61 | -3 | 7.4 | 10.0 | -195 | 3 | -1 | 17.3 | 4538 | 87 | 4.3 | 85 | 0.272 | | | | |
| 16-44.0730-112.1294-2-15- | 0-119762 | 9513 | 648 | 8088 | 69 | -4 | 7.8 | 7.2 | -241 | -1 | -1 | 11.4 | 2905 | 70 | 3.8 | 137 | 0.246 | | | | |
| 16-44.0594-112.1442-2-15- | 0-119763 | 13470 | 571 | 8492 | 86 | -4 | 7.8 | 5.5 | -216 | -1 | -1 | 9.6 | 2107 | 63 | -2.5 | 166 | 0.281 | | | | |
| 16-44.0650-112.1422-2-15- | 0-119764 | 13240 | 517 | 7720 | 60 | -4 | 7.7 | 5.8 | -230 | -1 | -1 | 10.3 | 2773 | 67 | 3.3 | 327 | 0.291 | | | | |
| 16-44.0367-112.7106-2-15- | 0-119766 | 13110 | 496 | 7672 | 59 | -3 | 6.6 | 4.2 | -210 | -1 | -1 | 8.4 | 2721 | 63 | 2.4 | 108 | 0.333 | | | | |
| 16-44.0280-112.7208-2-15- | 0-119767 | 11900 | 435 | 7231 | -24 | -3 | 6.5 | 5.8 | -185 | -1 | -1 | 10.0 | 2365 | 64 | 4.6 | 74 | 0.300 | | | | |
| 16-44.0497-112.7289-2-15- | 0-119768 | 12060 | 500 | 7222 | 46 | -4 | 7.2 | 5.4 | -214 | -1 | -1 | 8.9 | 3187 | 71 | -2.1 | 153 | 0.348 | | | | |
| 16-44.1064-112.7000-2-15- | 0-119771 | 15120 | 395 | 5926 | 42 | -3 | 5.9 | 6.9 | -209 | -1 | -1 | 8.2 | 2352 | 59 | -1.9 | 114 | 0.305 | | | | |
| 16-44.1059-112.6989-2-15- | 0-119772 | 10950 | 675 | 8675 | 72 | -4 | 8.3 | 6.7 | -246 | -1 | -1 | 11.0 | 3652 | 78 | 3.4 | 118 | 0.264 | | | | |
| 16-44.1189-112.6836-2-15- | 0-119773 | 11870 | 467 | 7990 | 47 | -4 | 7.0 | 5.1 | -207 | -1 | -1 | 10.5 | 2645 | 57 | -2.4 | 84 | 0.238 | | | | |
| 16-44.1191-112.6821-2-15- | 0-119774 | 11280 | 618 | 8363 | 78 | -4 | 8.2 | 6.2 | -217 | -1 | -1 | 10.0 | 3275 | 69 | 4.3 | 139 | 0.300 | | | | |
| 16-44.1136-112.3061-2-15- | 0-119776 | 8180 | 499 | 5818 | 72 | -4 | 6.0 | 4.2 | -221 | -1 | -1 | 8.9 | 2185 | 62 | -1.8 | -82 | 0.303 | | | | |
| 16-44.0764-112.2500-2-15- | 0-119779 | 7003 | 523 | 7638 | 50 | -3 | 7.0 | 7.0 | -190 | -1 | -1 | 14.5 | 4042 | 90 | 4.8 | 107 | 0.269 | | | | |
| 16-44.1210-112.6261-2-15- | 0-119780 | 9442 | 395 | 6162 | 71 | -4 | 7.2 | 6.2 | -173 | -1 | -1 | 10.6 | 2783 | 91 | 4.4 | 136 | 0.330 | | | | |
| 16-44.1861-112.7228-2-11- | 0-119781 | 4405 | 47 | 850 | 53 | -1 | 3.6 | 3.1 | -90 | -1 | -1 | 5.4 | 2746 | 38 | 2.7 | 177 | 0.556 | | | | |
| 16-44.1844-112.7289-2-15- | 0-119782 | 8625 | 510 | 5407 | 50 | -3 | 7.5 | 6.4 | -204 | -1 | -1 | 10.1 | 2522 | 63 | 3.8 | 132 | 0.297 | | | | |
| 16-44.2161-112.7581-2-15- | 0-119783 | 6579 | 634 | 4430 | -26 | -4 | 7.4 | 4.4 | -236 | -1 | -1 | 9.4 | 2795 | 74 | 4.0 | 200 | 0.309 | | | | |
| 16-44.2150-112.7592-2-15- | 0-119784 | 3027 | 551 | 5214 | 55 | -4 | 6.5 | 5.0 | -229 | -1 | -1 | 9.7 | 2583 | 53 | -2.4 | 197 | 0.278 | | | | |
| 16-44.2222-112.7628-2-99- | 0-119785 | 6206 | 541 | 3540 | -27 | -4 | 9.4 | 7.6 | -233 | -1 | -1 | 9.2 | 3320 | 92 | -2.4 | 121 | 0.380 | | | | |
| 16-44.2207-112.8042-2-11- | 0-119786 | 4012 | 163 | 3814 | -30 | -4 | 6.8 | 3.7 | -174 | -1 | -1 | 7.3 | 2743 | 74 | -2.6 | 142 | 0.616 | | | | |
| 16-44.2497-112.7844-2-15- | 0-119787 | 8884 | 440 | 4633 | -27 | -4 | 6.7 | 8.1 | -196 | -1 | -1 | 9.1 | 2856 | 63 | 3.2 | 118 | 0.341 | | | | |
| 16-44.2483-112.7975-2-11- | 0-119788 | 6609 | 1423 | 4352 | -32 | -4 | 7.9 | 5.5 | -349 | -1 | -1 | 8.5 | 2985 | 76 | 3.5 | 449 | 0.459 | | | | |
| 16-44.2675-112.8275-2-11- | 0-119789 | 5282 | 119 | 5446 | 76 | -5 | 12.6 | 8.8 | -168 | -1 | -1 | 10.9 | 3339 | 98 | -2.5 | 131 | 0.275 | | | | |
| 16-44.1586-112.7056-2-15- | 0-119790 | 8285 | 509 | 6409 | 64 | -3 | 6.3 | 5.3 | -212 | -1 | -1 | 8.0 | 2688 | 59 | -1.8 | 139 | 0.350 | | | | |
| 16-44.1823-112.7997-2-11- | 0-119791 | 5775 | 270 | 5861 | -38 | -6 | 12.4 | 8.4 | -229 | -1 | -1 | 11.9 | 3694 | 123 | 4.8 | 244 | 0.328 | | | | |
| 16-44.1778-112.7556-2-15- | 0-119792 | 10020 | 533 | 4868 | 77 | -4 | 7.0 | 5.7 | -232 | -1 | -1 | 9.6 | 2515 | 63 | -2.4 | 212 | 0.344 | | | | |
| 16-44.1781-112.7569-2-15- | 0-119793 | 8364 | 680 | 4950 | -26 | -4 | 7.5 | 6.0 | -268 | -1 | -1 | 10.2 | 2598 | 56 | -1.9 | 232 | 0.284 | | | | |
| 16-44.2511-112.7550-2-15- | 0-119794 | 24200 | 1435 | 11370 | -100 | -11 | 16.8 | -5.7 | -718 | -3 | -2 | 19.1 | 8100 | 181 | -6.2 | 650 | 0.503 | | | | |
| 16-44.1836-112.2308-2-12- | 0-119795 | 4706 | 324 | 7557 | 62 | -3 | 4.9 | 5.6 | -181 | -1 | -1 | 9.3 | 2186 | 43 | 4.8 | 0.280 | | | | | |
| 16-44.1730-112.2175-2-15- | 0-119796 | 6070 | 380 | 6402 | -21 | -3 | 5.1 | 5.4 | -167 | -1 | -1 | 9.3 | 1888 | 55 | 3.1 | 92 | 0.290 | | | | |
| 16-44.1680-112.1925-2-15- | 0-119797 | 7850 | 601 | 8151 | 59 | -3 | 8.5 | 9.2 | -222 | 2 | -1 | 11.6 | 2978 | 81 | 4.5 | 104 | 0.259 | | | | |
| 16-44.1744-112.1467-2-15- | 0-119798 | 8646 | 479 | 8941 | 69 | -3 | 7.7 | 5.6 | -202 | -1 | -1 | 11.0 | 3015 | 61 | 3.1 | 93 | 0.282 | | | | |
| 16-44.1691-112.1906-2-15- | 0-119799 | 7342 | 529 | 8279 | 58 | -3 | 7.8 | 7.1 | -192 | -1 | -1 | 12.5 | 3660 | 77 | 3.4 | -95 | 0.272 | | | | |
| 16-44.1667-112.0402-2-12- | 0-119800 | 4652 | 527 | 10590 | 72 | -3 | 5.6 | 6.8 | -208 | 2 | -1 | 11.5 | 2884 | 48 | -1.8 | -91 | 0.287 | | | | |
| 16-44.1578-112.0500-2-12- | 0-119801 | 4602 | 408 | 10670 | 63 | -3 | 6.1 | 3.0 | -200 | 2 | -1 | 13.0 | 3471 | 63 | 3.0 | 45 | 0.269 | | | | |
| 16-44.1378-112.0819-2-12- | 0-119802 | 3432 | 346 | 10920 | 68 | -3 | 5.4 | 5.8 | -190 | 2 | -1 | 11.8 | 3582 | 51 | -1.6 | 104 | 0.297 | | | | |
| 16-44.2544-112.0172-2-15- | 0-119803 | 6083 | 457 | 9103 | 68 | -4 | 7.4 | 6.8 | -187 | -1 | -1 | 15.1 | 3814 | 87 | 4.1 | 73 | 0.245 | | | | |
| 16-44.1311-112.1931-2-15- | 0-119804 | 5086 | 462 | 8221 | 70 | -3 | 7.3 | 5.3 | -186 | -1 | -1 | 10.4 | 2696 | 76 | -1.8 | 99 | 0.288 | | | | |
| 16-44.1383-112.2097-2-15- | 0-119805 | 5793 | 441 | 7428 | 65 | -3 | 6.4 | 9.0 | -198 | -1 | -1 | 11.1 | 2646 | 69 | -1.6 | 95 | 0.261 | | | | |
| 16-44.1422-112.2165-2-15- | 0-119806 | 4764 | 405 | 7223 | -21 | -3 | 5.8 | 5.8 | 251 | -1 | -1 | 11.6 | 2991 | 64 | 3.4 | 95 | 0.267 | | | | |
| 16-44.3722-112.7942-2-12- | 0-119807 | 14100 | 313 | 2739 | -29 | -4 | 5.9 | 4.1 | -197 | -1 | -1 | 6.9 | 2867 | 89 | 3.3 | 73 | 0.478 | | | | |
| 16-44.3678-112.7844-2-11- | 0-119808 | 9128 | 306 | 3379 | -31 | -4 | 5.9 | -2.1 | -216 | -1 | -1 | 6.6 | 2301 | 65 | -2.7 | 212 | 0.515 | | | | |
| 16-44.3589-112.7744-2-12- | 0-119809 | 42990 | 422 | 2916 | -29 | -4 | 8.8 | 6.3 | -219 | -1 | -1 | 4.7 | 3736 | 87 | -1.9 | 475 | 0.468 | | | | |
| 16-44.3608-112.7758-2-12- | 0-119810 | 12900 | 288 | 2595 | -27 | -4 | 6.6 | 5.3 | -188 | -1 | -1 | 8.1 | 2694 | 77 | -2.6 | 129 | 0.383 | | | | |
| 16-44.3569-112.7542-2-12- | 0-119811 | 8250 | 301 | 2835 | 79 | -5 | 7.7 | 6.8 | -179 | -1 | -1 | 9.9 | 2893 | 171 | -3.6 | 634 | 0.677 | | | | |
| 16-44.4200-113.2514-2-15- | 0-119812 | 36910 | 1312 | 5571 | 98 | -4 | 9.2 | 6.0 | -322 | -1 | -1 | 10.0 | 2553 | 57 | 3.4 | 209 | 0.230 | | | | |
| 16-44.3642-112.6861-2-12- | 0-119813 | 20640 | 278 | 3526 | 93 | -4 | 8.4 | 8.4 | -195 | -1 | -1 | 9.1 | 3443 | 109 | -2.5 | 495 | 0.407 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE REPLICATE | LAST SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|----------|-----------|---------|-------------|-----------|-------------------------------------|--------------------------------|---|-----|-----|-----|-----|-----|----|----|-----|----|-----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44 | 3631 | -112.6600 | -2-12- | 0-118914 | -5 | -5 | 5 | 28 | -20 | 325 | 13 | -10 | 18 | 6 | -5 | 129 | 3 | 38 | | | | |
| 16-44 | 3611 | -112.6606 | -2-12- | 0-118915 | -5 | -5 | -5 | 18 | -20 | 107 | 11 | -10 | -15 | -5 | -5 | 179 | 1 | 28 | | | | |
| 16-44 | 3579 | -112.6280 | -2-15- | 0-118915 | -5 | 5 | -5 | 30 | -20 | 17 | 16 | -10 | -15 | 5 | -5 | 141 | 2 | 33 | | | | |
| 16-44 | 3722 | -112.6056 | -2-12- | 0-118917 | -5 | -5 | -5 | -10 | -20 | 15 | -5 | -10 | -15 | -5 | -5 | 242 | -1 | 16 | | | | |
| 16-44 | 3767 | -112.6039 | -2-12- | 0-118918 | -5 | -5 | -5 | 10 | -20 | -15 | 6 | -10 | -15 | 7 | -5 | 203 | -1 | 21 | | | | |
| 16-44 | 3894 | -112.6111 | -2-15- | 0-118919 | -5 | 7 | -5 | 17 | -20 | -15 | 20 | -10 | 15 | -5 | -5 | 305 | 2 | 17 | | | | |
| 16-44 | 4486 | -113.2275 | -2-11- | 0-118920 | -5 | 8 | -5 | 14 | -20 | -15 | 20 | -10 | -15 | 12 | -5 | 151 | -1 | 21 | | | | |
| 16-44 | 4564 | -113.2319 | -2-11- | 0-118921 | -5 | 10 | -5 | 21 | -20 | -15 | 26 | -10 | 17 | 5 | -5 | 272 | 3 | 21 | | | | |
| 16-44 | 4422 | -113.2275 | -2-11- | 0-118922 | -5 | -5 | -5 | 16 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 42 | -1 | 3 | | | | |
| 16-44 | 3830 | -113.2244 | -2-15- | 0-118923 | -5 | 8 | -5 | 32 | -20 | 25 | 25 | -10 | 16 | 10 | -5 | 190 | -1 | 43 | | | | |
| 16-44 | 3694 | -113.2189 | -2-15- | 0-118924 | -5 | -5 | -5 | 57 | -20 | -15 | 439 | -10 | -15 | -5 | -5 | 161 | 1 | 33 | | | | |
| 16-44 | 3558 | -113.2569 | -2-11- | 0-118925 | -5 | -5 | -5 | 34 | -20 | 24 | 99 | -10 | -15 | -5 | -5 | 164 | -1 | 52 | | | | |
| 16-44 | 3642 | -113.2617 | -2-11- | 0-118926 | -5 | -5 | -5 | 23 | -20 | -15 | 5 | -10 | -15 | 10 | -5 | 70 | -1 | 8 | | | | |
| 16-44 | 3369 | -113.2006 | -2-15- | 0-118927 | -5 | -5 | -5 | 22 | -20 | 23 | 33 | -10 | 18 | 20 | -5 | 117 | -1 | 48 | | | | |
| 16-44 | 3219 | -113.1833 | -2-15- | 0-118928 | -5 | -5 | -5 | 28 | -20 | 23 | 12 | -10 | -15 | 31 | -5 | 190 | -1 | 56 | | | | |
| 16-44 | 3106 | -113.1778 | -2-11- | 0-118929 | -5 | -5 | -5 | 29 | -20 | -15 | 18 | -10 | 20 | 33 | -5 | 184 | 2 | 19 | | | | |
| 16-44 | 2908 | -113.1706 | -2-15- | 0-118930 | -5 | 5 | -5 | 13 | -20 | 16 | 12 | -10 | -15 | 29 | -5 | 115 | -1 | 45 | | | | |
| 16-44 | 2894 | -113.1647 | -2-15- | 0-118931 | -5 | 8 | -5 | 18 | -20 | -15 | 20 | -10 | 17 | 29 | -5 | 166 | 2 | 50 | | | | |
| 16-44 | 2986 | -113.1453 | -2-11- | 0-118932 | -5 | 5 | -5 | 16 | -20 | 19 | 42 | -10 | 32 | 49 | -5 | 161 | 2 | 24 | | | | |
| 16-44 | 2561 | -112.9203 | -2-15- | 0-118933 | -5 | 8 | -5 | 19 | -20 | -15 | 21 | -10 | -15 | 8 | -5 | 196 | 2 | 40 | | | | |
| 16-44 | 2572 | -112.9244 | -2-15- | 0-118934 | -5 | -5 | -5 | 25 | -20 | 17 | 26 | -10 | -15 | -5 | -5 | 191 | 1 | 44 | | | | |
| 16-44 | 2631 | -112.9431 | -2-15- | 0-118935 | -5 | -5 | -5 | 31 | -20 | 16 | 23 | -10 | -15 | 6 | -5 | 208 | 2 | 34 | | | | |
| 16-44 | 2922 | -112.9375 | -2-15- | 0-118936 | -5 | 7 | -5 | 28 | -20 | 25 | 27 | -10 | -15 | 10 | -5 | 203 | 2 | 37 | | | | |
| 16-44 | 3169 | -112.9025 | -2-15- | 0-118937 | -5 | -5 | -5 | 22 | -20 | 29 | 112 | -10 | 15 | -5 | -5 | 208 | 2 | 39 | | | | |
| 16-44 | 3139 | -112.9003 | -2-15- | 0-118938 | -5 | 7 | -5 | 53 | -20 | 95 | 54 | -10 | 34 | 8 | -5 | 121 | 1 | 35 | | | | |
| 16-44 | 3414 | -112.8458 | -2-11- | 0-118939 | -5 | -5 | -5 | 21 | -20 | 28 | 24 | -10 | -15 | -5 | -5 | 151 | 2 | 29 | | | | |
| 16-44 | 3247 | -112.8614 | -2-15- | 0-118940 | -5 | -5 | -5 | 15 | -20 | 40 | 12 | -10 | -15 | 9 | -5 | 158 | 1 | 107 | | | | |
| 16-44 | 2847 | -112.9739 | -2-15- | 0-118941 | -5 | -5 | -5 | 32 | -20 | 25 | 39 | -10 | -15 | -5 | -5 | 189 | 2 | 30 | | | | |
| 16-44 | 2703 | -112.9811 | -2-11- | 0-118942 | -5 | -5 | -5 | 27 | -20 | 18 | 18 | -10 | -15 | -5 | -5 | 87 | -1 | 12 | | | | |
| 16-44 | 2900 | -112.9922 | -2-15- | 0-118943 | -5 | -5 | -5 | 30 | -20 | 53 | 83 | -10 | 31 | -5 | -5 | 184 | 1 | 38 | | | | |
| 16-44 | 3167 | -112.9475 | -2-15- | 0-118944 | -5 | -5 | -5 | 38 | -20 | 46 | 107 | -10 | 23 | -5 | -5 | 143 | -1 | 35 | | | | |
| 16-44 | 3461 | -112.4781 | -2-11- | 0-118945 | -5 | 5 | -5 | 35 | -20 | 24 | 14 | -10 | -15 | 7 | -5 | 172 | 2 | 27 | | | | |
| 16-44 | 3947 | -112.5064 | -2-12- | 0-118946 | -5 | -5 | -5 | -10 | 21 | -15 | 10 | -10 | -15 | -5 | -5 | 193 | -1 | 13 | | | | |
| 16-44 | 3922 | -112.5089 | -2-12- | 0-118947 | -5 | -5 | -5 | 10 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 185 | 1 | 13 | | | | |
| 16-44 | 4150 | -112.4997 | -2-12- | 0-118948 | -5 | -5 | -5 | 12 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 271 | -1 | 13 | | | | |
| 16-44 | 4167 | -112.4850 | -2-12- | 0-118949 | -5 | -5 | -5 | 31 | -20 | -15 | 16 | -10 | -15 | -5 | -5 | 177 | 1 | 20 | | | | |
| 16-44 | 4461 | -112.4703 | -2-12- | 0-118950 | -5 | -5 | -5 | 18 | -20 | -15 | 12 | -10 | -15 | 13 | -5 | 194 | 1 | 18 | | | | |
| 16-44 | 3958 | -112.4611 | -2-12- | 0-118951 | -5 | 5 | -5 | 19 | 24 | -15 | 15 | -10 | -15 | 8 | -5 | 175 | 2 | 22 | | | | |
| 16-44 | 4244 | -112.4225 | -2-12- | 0-118952 | -5 | 5 | -5 | 16 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 130 | 1 | 22 | | | | |
| 16-44 | 4253 | -112.4261 | -2-12- | 0-118953 | -5 | -5 | -5 | -10 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 180 | 1 | 16 | | | | |
| 16-44 | 3639 | -112.4472 | -2-12- | 0-118954 | -5 | 8 | -5 | 22 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 215 | 1 | 20 | | | | |
| 16-44 | 3425 | -112.4122 | -2-12- | 0-118955 | -5 | -5 | -5 | 19 | 31 | 22 | 14 | -10 | -15 | 8 | -5 | 241 | 2 | 26 | | | | |
| 16-44 | 3428 | -112.4153 | -2-12- | 0-118956 | -5 | -5 | -5 | 29 | 30 | -15 | 19 | -10 | -15 | -5 | -5 | 103 | 1 | 18 | | | | |
| 16-44 | 3478 | -112.4192 | -2-15- | 0-118957 | -5 | -5 | -5 | 33 | -20 | -15 | 21 | -10 | -15 | -5 | -5 | 214 | 2 | 24 | | | | |
| 16-44 | 3006 | -112.4093 | -2-12- | 0-118958 | -5 | 5 | -5 | 17 | -20 | -15 | 16 | -10 | -15 | -5 | -5 | 336 | 1 | 17 | | | | |
| 16-44 | 3772 | -112.2806 | -2-11- | 0-118959 | -5 | -5 | -5 | 30 | -20 | 35 | 21 | -10 | -15 | 7 | -5 | 205 | 2 | 32 | | | | |
| 16-44 | 3714 | -112.3075 | -2-12- | 0-118960 | -5 | -5 | -5 | 34 | -20 | -15 | 12 | -10 | -15 | 7 | -5 | 275 | 2 | 23 | | | | |
| 16-44 | 3781 | -112.2892 | -2-12- | 0-118961 | -5 | -5 | -5 | 22 | -20 | -15 | 16 | -10 | -15 | 5 | -5 | 255 | 2 | 27 | | | | |
| 16-44 | 5139 | -112.0108 | -2-11- | 0-118962 | -5 | -5 | -5 | 18 | -20 | 34 | 12 | -10 | -15 | 8 | -5 | 239 | 2 | 28 | | | | |
| 16-44 | 5344 | -112.0244 | -2-11- | 0-118963 | -5 | 6 | -5 | 38 | -20 | 35 | 12 | -10 | -15 | 10 | -5 | 263 | 3 | 39 | | | | |
| 16-44 | 4956 | -112.0692 | -2-12- | 0-118964 | -5 | -5 | -5 | 20 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 160 | 2 | 19 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|--|---|------|-----|------|-----|-------|-------|-------|-------|------|------|----|----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE LAB LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 16-44.3631-112.6600-2-12- | 0-118814 | 55720 | -0.10 | 749 | 50210 | 43 | -65 | 9.2 | 92 | 7.0 | 1.8 | 25990 | 6.0 | 19490 | -22 | 0.5 | | | | |
| 16-44.3611-112.6606-2-12- | 0-118815 | 42020 | -0.17 | 458 | 40820 | 50 | -67 | 9.2 | 121 | 3.6 | 1.3 | 21010 | 7.3 | 15510 | -12 | 0.3 | | | | |
| 16-44.3578-112.6289-2-15- | 0-118816 | 58850 | -0.20 | 604 | 17610 | 63 | 241 | 8.3 | 45 | 6.9 | 1.4 | 28670 | 5.5 | 17980 | -20 | 0.5 | | | | |
| 16-44.3722-112.6056-2-12- | 0-118817 | 27680 | -0.11 | 369 | 69510 | 46 | -66 | 2.8 | 40 | 2.5 | 0.9 | 10230 | 9.3 | 10560 | 34 | 0.3 | | | | |
| 16-44.3767-112.6039-2-12- | 0-118818 | 32530 | -0.11 | 607 | 26730 | 43 | -57 | 2.7 | 25 | 2.5 | 0.9 | 10030 | 8.0 | 15630 | 31 | 0.3 | | | | |
| 16-44.3804-112.6111-2-15- | 0-118819 | 37530 | -0.14 | 524 | 5844 | 76 | -73 | 4.7 | 40 | 2.8 | 1.2 | 15680 | 14.4 | 16250 | 58 | 0.3 | | | | |
| 16-44.4486-113.2275-2-11- | 0-118820 | 47190 | -0.17 | 561 | 111300 | 73 | 266 | 10.8 | 43 | 3.0 | 1.1 | 25240 | 7.7 | 11620 | 65 | 0.4 | | | | |
| 16-44.4564-113.2219-2-11- | 0-118821 | 63780 | -0.17 | 794 | 46620 | 148 | -88 | 8.8 | 61 | 5.9 | 2.1 | 29740 | 13.3 | 19050 | 68 | 0.6 | | | | |
| 16-44.4422-113.2275-2-11- | 0-118822 | 8599 | -0.06 | -210 | 334600 | 14 | -115 | -1.2 | -8 | -1.4 | -1 | -0.2 | 8495 | -0.9 | -4833 | -4 | -0.1 | | | |
| 16-44.3830-113.2244-2-15- | 0-118823 | 59740 | -0.21 | 685 | 11180 | 84 | -100 | 9.8 | 81 | 5.5 | 1.5 | 29540 | 7.5 | 15350 | -17 | 0.4 | | | | |
| 16-44.3694-113.2189-2-15- | 0-118824 | 57370 | -0.18 | 636 | 42880 | 64 | 228 | 11.1 | 56 | 5.9 | 1.4 | 33430 | 6.8 | 17200 | 48 | 0.3 | | | | |
| 16-44.3558-113.2569-2-11- | 0-118825 | 69250 | -0.18 | 906 | 27900 | 90 | -89 | 14.4 | 70 | 8.1 | 1.5 | 35160 | 8.2 | 14830 | 55 | 0.5 | | | | |
| 16-44.3642-113.2617-2-11- | 0-118826 | 25010 | -0.06 | -185 | 143200 | 40 | 260 | 5.4 | 71 | -1.2 | -1 | 0.6 | 16120 | 3.8 | -4982 | 19 | 0.2 | | | |
| 16-44.3360-113.2006-2-15- | 0-118827 | 48080 | -0.18 | 430 | 70330 | 65 | 175 | 7.6 | 59 | 5.6 | 1.2 | 23300 | 4.7 | 16900 | -17 | 0.3 | | | | |
| 16-44.3219-113.1833-2-15- | 0-118828 | 53930 | -0.17 | 646 | 26720 | 61 | -90 | 8.7 | 66 | 6.5 | 1.2 | 26290 | 7.5 | 17270 | -14 | 0.3 | | | | |
| 16-44.3106-113.1778-2-11- | 0-118829 | 53340 | -0.16 | 626 | 31690 | 69 | -70 | 8.1 | 59 | 9.0 | 1.4 | 27320 | 9.6 | 13970 | 44 | 0.4 | | | | |
| 16-44.2908-113.1706-2-15- | 0-118830 | 47600 | -0.15 | 592 | 61670 | 47 | 218 | 7.0 | 55 | 5.6 | 0.7 | 21880 | 4.2 | 14400 | -17 | 0.3 | | | | |
| 16-44.2894-113.1647-2-15- | 0-118831 | 51500 | -0.19 | 537 | 26740 | 61 | 203 | 7.3 | 68 | 5.4 | 1.3 | 23090 | 7.3 | 16380 | -16 | 0.4 | | | | |
| 16-44.2886-113.1453-2-11- | 0-118832 | 47560 | -0.20 | 477 | 32730 | 49 | -79 | 8.3 | 60 | 10.1 | 1.1 | 38630 | 6.7 | 11130 | -18 | -0.2 | | | | |
| 16-44.2561-112.9203-2-15- | 0-118833 | 58670 | -0.16 | 742 | 29450 | 77 | 179 | 8.8 | 63 | 5.7 | 1.5 | 27820 | 8.3 | 19110 | -12 | 0.4 | | | | |
| 16-44.2572-112.9244-2-15- | 0-118834 | 57630 | -0.16 | 649 | 34370 | 59 | -89 | 6.9 | 59 | 5.3 | 1.2 | 26350 | 7.4 | 18110 | 42 | 0.4 | | | | |
| 16-44.2631-112.9431-2-15- | 0-118835 | 55230 | -0.15 | 701 | 25570 | 70 | -94 | 5.4 | 63 | 5.7 | 1.3 | 28840 | 8.9 | 16150 | 51 | 0.3 | | | | |
| 16-44.2922-112.9375-2-15- | 0-118836 | 60770 | -0.16 | 766 | 22480 | 81 | -95 | 9.8 | 74 | 5.8 | 1.6 | 30080 | 8.9 | 23760 | 47 | 0.5 | | | | |
| 16-44.3160-112.9025-2-15- | 0-118837 | 56780 | -0.15 | 633 | 20190 | 68 | -84 | 10.0 | 75 | 5.7 | 1.4 | 27710 | 7.9 | 15930 | 55 | 0.4 | | | | |
| 16-44.3139-112.9003-2-15- | 0-118838 | 53170 | -0.20 | 632 | 34590 | 74 | -86 | 8.9 | 165 | 4.8 | 1.3 | 28280 | 5.5 | 21330 | 60 | 0.5 | | | | |
| 16-44.3414-112.8458-2-11- | 0-118839 | 46450 | -0.16 | 435 | 32220 | 56 | -69 | 7.9 | 97 | 4.7 | 1.1 | 22570 | 6.8 | 17100 | 32 | 0.4 | | | | |
| 16-44.3247-112.8614-2-15- | 0-118840 | 59280 | -0.19 | 480 | 18450 | 78 | -72 | 8.9 | 96 | 5.9 | 1.7 | 30300 | 8.0 | 18490 | -18 | 0.4 | | | | |
| 16-44.2842-112.9739-2-15- | 0-118841 | 57770 | -0.19 | 702 | 18060 | 70 | -85 | 8.2 | 33 | 5.5 | 1.5 | 27130 | 7.9 | 21380 | -24 | 0.4 | | | | |
| 16-44.2703-112.9811-2-11- | 0-118842 | 25940 | -0.19 | 372 | 13200 | 29 | -84 | 4.5 | 49 | -1.4 | 2 | 0.8 | 13340 | 3.7 | 7487 | -20 | 0.2 | | | |
| 16-44.2900-112.9922-2-15- | 0-118843 | 54770 | -0.20 | 598 | 13240 | 64 | 241 | 8.5 | 72 | 5.3 | 1.3 | 27080 | 6.5 | 17900 | -21 | 0.4 | | | | |
| 16-44.3167-112.9475-2-15- | 0-118844 | 54690 | -0.18 | 609 | 40550 | 69 | 164 | 10.0 | 98 | 5.6 | 1.7 | 30110 | 7.5 | 18850 | -19 | 0.4 | | | | |
| 16-44.3461-112.4781-2-11- | 0-118845 | 53170 | -0.20 | 703 | 18200 | 52 | -76 | 13.9 | 155 | 4.0 | 1.2 | 27190 | 6.7 | 17020 | -23 | 0.2 | | | | |
| 16-44.3047-112.5064-2-12- | 0-118846 | 26610 | -0.13 | 487 | 13060 | 49 | -50 | 2.2 | 23 | 2.4 | 0.9 | 9275 | 10.6 | 13060 | -14 | 0.2 | | | | |
| 16-44.3922-112.5039-2-12- | 0-118847 | 27780 | -0.13 | 479 | 12670 | 47 | -52 | 3.3 | 31 | 2.7 | 0.8 | 11740 | 8.6 | 12350 | -15 | 0.3 | | | | |
| 16-44.4150-112.4897-2-12- | 0-118848 | 27640 | -0.12 | 463 | 11300 | 52 | -48 | 3.2 | 32 | 2.3 | 1.0 | 12260 | 14.5 | 14300 | -16 | 0.3 | | | | |
| 16-44.4167-112.4850-2-12- | 0-118849 | 37100 | -0.13 | 541 | 22770 | 50 | -49 | 4.2 | 26 | 2.5 | 0.7 | 12790 | 7.5 | 12740 | -18 | 0.3 | | | | |
| 16-44.4451-112.4703-2-12- | 0-118850 | 37620 | -0.17 | 571 | 7710 | 63 | -55 | 3.7 | 32 | 3.0 | 1.0 | 14260 | 9.8 | 17220 | -17 | 0.5 | | | | |
| 16-44.3858-112.4611-2-12- | 0-118851 | 40100 | -0.16 | 522 | 10720 | 61 | -68 | 5.8 | 45 | 4.2 | 1.2 | 15520 | 7.0 | 13150 | -22 | 0.3 | | | | |
| 16-44.4244-112.4225-2-12- | 0-118852 | 40030 | -0.16 | 560 | 48200 | 57 | -64 | 2.5 | 40 | 4.2 | 1.1 | 13940 | 6.8 | 15120 | -21 | 0.3 | | | | |
| 16-44.4253-112.4261-2-12- | 0-118853 | 29270 | -0.12 | 543 | 13060 | 38 | 87 | 2.9 | 26 | 2.4 | 0.8 | 9833 | 7.4 | 14380 | -16 | 0.2 | | | | |
| 16-44.3630-112.4472-2-12- | 0-118854 | 38530 | -0.18 | 461 | 36980 | 59 | -76 | 4.1 | 42 | 2.6 | 1.1 | 15160 | 11.0 | 13020 | -17 | 0.3 | | | | |
| 16-44.3425-112.4122-2-12- | 0-118855 | 45820 | -0.18 | 540 | 9843 | 68 | -67 | 8.2 | 106 | 3.8 | 1.3 | 23420 | 9.7 | 16930 | -18 | 0.4 | | | | |
| 16-44.3428-112.4153-2-12- | 0-118856 | 44250 | -0.20 | 641 | 25280 | 60 | -84 | 8.5 | 52 | 4.5 | 1.2 | 24670 | 5.7 | 12560 | -26 | -0.1 | | | | |
| 16-44.3478-112.4192-2-15- | 0-118857 | 44700 | -0.17 | 638 | 17620 | 53 | -71 | 5.5 | 42 | 3.3 | 1.0 | 17180 | 8.0 | 17530 | -20 | 0.4 | | | | |
| 16-44.3006-112.4083-2-12- | 0-118858 | 32950 | -0.17 | 432 | 10530 | 54 | -62 | 5.6 | 111 | 3.2 | 1.2 | 15790 | 18.2 | 15100 | -18 | 0.4 | | | | |
| 16-44.3772-112.2806-2-11- | 0-118859 | 63230 | -0.24 | 638 | 10680 | 96 | 157 | 13.9 | 133 | 6.1 | 11 | 2.2 | 34960 | 8.8 | 16140 | -29 | 0.8 | | | |
| 16-44.3714-112.3075-2-12- | 0-118860 | 49200 | -0.17 | 525 | 8896 | 51 | -62 | 9.1 | 120 | 4.7 | 2.4 | 21950 | 14.5 | 15130 | 58 | 0.7 | | | | |
| 16-44.3781-112.3292-2-12- | 0-118861 | 49480 | -0.20 | 579 | 11320 | 73 | -77 | 10.4 | 142 | 4.5 | 2.0 | 23960 | 10.8 | 12890 | -22 | 0.6 | | | | |
| 16-44.5139-112.0108-2-11- | 0-118862 | 62860 | -0.23 | 636 | 10960 | 102 | -89 | 9.7 | 254 | 4.5 | 1.3 | 30020 | 11.4 | 17990 | -27 | 0.4 | | | | |
| 16-44.5344-112.0244-2-11- | 0-118863 | 66570 | -0.23 | 769 | 12200 | 92 | -98 | 13.2 | 170 | 4.6 | 1.2 | 34900 | 9.8 | 19120 | 49 | 0.5 | | | | |
| 16-44.4956-112.0692-2-12- | 0-118864 | 49450 | -0.17 | 855 | 17680 | 66 | -87 | 9.0 | 47 | 4.5 | 1.3 | 21500 | 7.4 | 20310 | -19 | 0.4 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO | |
|---------------------------|----------|-----------|---------|-------------|-----------|---|---|------|------|----|----|------|-------|-----|------|------|-------|----|---|---------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | | Yb |
| 16-44.3631-112.6600-2-12- | 0-118814 | 10320 | 250 | 2982 | 98 | -4 | 8.8 | 7.9 | -216 | -1 | 1 | 10.3 | 2988 | 133 | -2.5 | 773 | 0.379 | | | | |
| 16-44.3611-112.6606-2-12- | 0-118815 | 15560 | 233 | 4147 | 69 | -4 | 7.2 | 8.1 | -164 | -1 | -1 | 9.7 | 2965 | 104 | -2.5 | 318 | 0.351 | | | | |
| 16-44.3578-112.6289-2-15- | 0-118816 | 8473 | 690 | 8343 | 93 | -5 | 10.0 | 7.0 | -271 | -1 | -1 | 12.0 | 3568 | 70 | 4.2 | 177 | 0.242 | | | | |
| 16-44.3722-112.6066-2-12- | 0-118817 | 5904 | 262 | 4336 | -19 | -3 | 3.7 | 4.5 | -200 | -1 | -1 | 6.3 | 1997 | 39 | -1.4 | -21 | 0.429 | | | | |
| 16-44.3767-112.6039-2-12- | 0-118818 | 3647 | 275 | 5010 | -20 | -3 | 3.3 | 4.4 | -166 | -1 | -1 | 7.2 | 1749 | 29 | -1.5 | 33 | 0.347 | | | | |
| 16-44.3894-112.6111-2-15- | 0-118819 | 3375 | 571 | 6271 | 55 | -3 | 4.6 | 6.4 | -208 | -1 | -1 | 11.4 | 2306 | 41 | 3.0 | 102 | 0.254 | | | | |
| 16-44.4486-112.2275-2-11- | 0-118820 | 20290 | 1200 | 2949 | -31 | -4 | 7.6 | 6.9 | -312 | -1 | -1 | 13.3 | 2912 | 55 | -3.0 | 146 | 0.128 | | | | |
| 16-44.4564-112.2319-2-11- | 0-118821 | 14220 | 589 | 8124 | 87 | -4 | 9.5 | 13.4 | -261 | ? | -1 | 22.1 | 3656 | 49 | -2.5 | 155 | 0.122 | | | | |
| 16-44.4422-112.2275-2-11- | 0-118822 | 9490 | 1300 | 1398 | -34 | -2 | 1.4 | -0.5 | -372 | -1 | -1 | 2.2 | -1110 | -15 | -1.2 | 133 | 0.455 | | | | |
| 16-44.3839-112.2244-2-15- | 0-118823 | 7377 | 885 | 8260 | 58 | -5 | 9.7 | 6.7 | -291 | -1 | -1 | 12.7 | 3121 | 85 | -2.7 | 173 | 0.244 | | | | |
| 16-44.3694-112.2189-2-15- | 0-118824 | 27350 | 1168 | 9963 | 92 | -4 | 10.1 | 8.3 | -318 | -1 | -1 | 11.7 | 3088 | 71 | 3.0 | 424 | 0.214 | | | | |
| 16-44.3558-112.2569-2-11- | 0-118825 | 23590 | 583 | 9428 | 94 | -4 | 11.8 | 10.5 | -274 | -1 | -1 | 12.6 | 4031 | 89 | -2.3 | 264 | 0.278 | | | | |
| 16-44.3642-112.2617-2-11- | 0-118826 | 6410 | 1212 | 3424 | -28 | -2 | 3.9 | 2.6 | -367 | -1 | -1 | 3.8 | -1090 | 54 | 1.7 | 78 | 1.737 | | | | |
| 16-44.3769-112.2006-2-15- | 0-118827 | 25240 | 875 | 7054 | 54 | -4 | 7.9 | 6.1 | -275 | -1 | -1 | 9.3 | 2310 | 53 | 3.5 | 182 | 0.237 | | | | |
| 16-44.3219-112.1832-2-15- | 0-118828 | 74170 | 818 | 7530 | -30 | -4 | 9.0 | 5.4 | -258 | -1 | -1 | 9.7 | 2901 | 66 | -2.1 | 156 | 0.268 | | | | |
| 16-44.3106-112.1778-2-11- | 0-118829 | 7969 | 321 | 6907 | -28 | -4 | 7.9 | 7.1 | -209 | -1 | -1 | 8.1 | 3401 | 69 | -2.1 | 350 | 0.358 | | | | |
| 16-44.2908-112.1706-2-15- | 0-118830 | 25690 | 873 | 6499 | -28 | -4 | 7.2 | 4.4 | -290 | -1 | -1 | 7.7 | 2793 | 58 | -2.0 | 126 | 0.299 | | | | |
| 16-44.2904-112.1647-2-15- | 0-118831 | 13710 | 798 | 9995 | -29 | -4 | 8.2 | 7.3 | -284 | -1 | -1 | 8.6 | 2876 | 59 | -3.4 | 144 | 0.291 | | | | |
| 16-44.2886-112.1453-2-11- | 0-118832 | 6464 | 458 | 4819 | -34 | -5 | 8.5 | 6.2 | -218 | -1 | -1 | 9.0 | 2672 | 64 | -2.8 | 2311 | 0.278 | | | | |
| 16-44.2561-112.9203-2-15- | 0-118833 | 10230 | 919 | 9335 | -27 | -4 | 9.5 | 7.6 | -214 | -1 | -1 | 11.6 | 3622 | 75 | 5.2 | 112 | 0.241 | | | | |
| 16-44.2577-112.9244-2-15- | 0-118834 | 12080 | 854 | 9846 | 68 | -4 | 8.6 | 5.1 | -279 | -1 | -1 | 10.1 | 3753 | 70 | -2.0 | 122 | 0.267 | | | | |
| 16-44.2631-112.9431-2-15- | 0-118835 | 10200 | 911 | 9218 | -27 | -4 | 9.3 | 7.4 | -254 | -1 | -1 | 12.4 | 3138 | 72 | 3.4 | -80 | 0.242 | | | | |
| 16-44.2922-112.9375-2-15- | 0-118836 | 10950 | 952 | 8837 | 70 | -4 | 10.1 | 8.2 | -314 | -1 | -1 | 12.5 | 3696 | 81 | 6.7 | 146 | 0.248 | | | | |
| 16-44.3169-112.9025-2-15- | 0-118837 | 9345 | 1052 | 8869 | -28 | -4 | 9.6 | 6.8 | -293 | -1 | -1 | 11.4 | 3453 | 75 | 5.2 | 238 | 0.263 | | | | |
| 16-44.3139-112.9003-2-15- | 0-118838 | 11860 | 681 | 6168 | 72 | -5 | 10.0 | 6.5 | -244 | -1 | -1 | 9.5 | 2883 | 136 | 3.6 | 371 | 0.368 | | | | |
| 16-44.3414-112.8458-2-11- | 0-118839 | 10730 | 732 | 4445 | 77 | -4 | 8.2 | 7.3 | -250 | -1 | -1 | 8.2 | 2709 | 72 | -2.3 | 306 | 0.354 | | | | |
| 16-44.3247-112.8614-2-15- | 0-118840 | 6573 | 790 | 6435 | 66 | -5 | 11.1 | 10.0 | -267 | 2 | -1 | 11.9 | 2889 | 100 | -2.3 | 203 | 0.261 | | | | |
| 16-44.2842-112.9739-2-15- | 0-118841 | 10320 | 881 | 9283 | 71 | -4 | 9.1 | 7.2 | -280 | -1 | -1 | 10.4 | 2968 | 80 | 4.1 | 187 | 0.288 | | | | |
| 16-44.2703-112.9811-2-11- | 0-118842 | 28040 | 273 | 3961 | -26 | -4 | 3.9 | -2.1 | 399 | -1 | -1 | 4.4 | 1470 | 35 | -2.5 | -12 | 0.886 | | | | |
| 16-44.2900-112.9822-2-15- | 0-118843 | 9784 | 938 | 9114 | 78 | -5 | 9.4 | 6.6 | -271 | -1 | -1 | 10.3 | 3266 | 80 | -3.3 | 225 | 0.301 | | | | |
| 16-44.3167-112.9475-2-15- | 0-118844 | 16430 | 890 | 7783 | 77 | -4 | 9.9 | 7.1 | -278 | -1 | -1 | 10.7 | 3008 | 118 | -2.4 | 272 | 0.308 | | | | |
| 16-44.3461-112.4781-2-11- | 0-118845 | 6935 | 711 | 7549 | -32 | -5 | 10.7 | 4.9 | -251 | -1 | -1 | 9.4 | 3496 | 75 | 3.9 | 97 | 0.266 | | | | |
| 16-44.3947-112.5064-2-12- | 0-118846 | 4106 | 194 | 3811 | 44 | -3 | 3.2 | 4.2 | -125 | -1 | -1 | 7.6 | 2120 | 31 | -1.8 | -23 | 0.342 | | | | |
| 16-44.3922-112.5089-2-12- | 0-118847 | 4279 | 314 | 3225 | 51 | -3 | 3.6 | 4.1 | -140 | -1 | -1 | 6.6 | 1677 | 33 | -2.2 | 96 | 0.364 | | | | |
| 16-44.4150-112.4697-2-12- | 0-118848 | 3326 | 214 | 3788 | 52 | -3 | 3.7 | 5.8 | -144 | -1 | -1 | 7.3 | 2297 | 38 | 3.6 | 41 | 0.438 | | | | |
| 16-44.4167-112.4850-2-12- | 0-118849 | 5774 | 245 | 2810 | 62 | -3 | 4.6 | 5.1 | -151 | -1 | -1 | 7.9 | 2289 | 41 | -1.7 | 73 | 0.405 | | | | |
| 16-44.4461-112.4702-2-12- | 0-118850 | 4400 | 295 | 3470 | 72 | -4 | 5.0 | 4.8 | -161 | -1 | -1 | 9.0 | 2663 | 47 | -2.1 | -66 | 0.333 | | | | |
| 16-44.3714-112.3075-2-12- | 0-118851 | 5238 | 249 | 4955 | -26 | -4 | 5.7 | 5.2 | -161 | -1 | -1 | 8.4 | 2241 | 48 | -2.0 | 106 | 0.381 | | | | |
| 16-44.4244-112.4225-2-12- | 0-118852 | 5644 | 204 | 3720 | -25 | -4 | 5.6 | 5.8 | -175 | -1 | -1 | 9.4 | 2421 | 36 | -2.0 | 165 | 0.287 | | | | |
| 16-44.4253-112.4261-2-12- | 0-118853 | 3471 | 259 | 3297 | 59 | -3 | 3.2 | 4.1 | -148 | -1 | -1 | 6.5 | 1992 | 33 | -1.4 | -50 | 0.369 | | | | |
| 16-44.3639-112.4472-2-12- | 0-118854 | 4928 | 408 | 5563 | 72 | -4 | 4.9 | 4.5 | -196 | -1 | -1 | 8.3 | 2123 | 39 | -2.8 | -62 | 0.289 | | | | |
| 16-44.3425-112.4122-2-12- | 0-118855 | 5912 | 233 | 6217 | 85 | -4 | 8.0 | 7.6 | -171 | -1 | -1 | 10.3 | 2905 | 54 | 3.9 | -85 | 0.330 | | | | |
| 16-44.3428-112.4152-2-12- | 0-118856 | 6378 | 754 | 5068 | -33 | -5 | 6.4 | 8.9 | -323 | -1 | -1 | 8.5 | 2166 | 48 | -2.7 | -63 | 0.365 | | | | |
| 16-44.3478-112.4192-2-15- | 0-118857 | 4401 | 458 | 6612 | 69 | -4 | 5.5 | 4.9 | -219 | -1 | -1 | 8.1 | 3076 | 44 | -2.2 | 93 | 0.321 | | | | |
| 16-44.3006-112.4083-2-12- | 0-118858 | 5386 | 332 | 5348 | 51 | -4 | 5.4 | 5.3 | -165 | -1 | -1 | 9.1 | 2778 | 46 | 4.0 | 68 | 0.341 | | | | |
| 16-44.3772-112.2806-2-11- | 0-118859 | 6505 | 840 | 7284 | 110 | -5 | 11.6 | 13.6 | -280 | -1 | 1 | 14.1 | 3968 | 94 | 8.7 | 150 | 0.255 | | | | |
| 16-44.3714-112.3075-2-12- | 0-118860 | 5238 | 534 | 5947 | 69 | -4 | 9.5 | 14.8 | -213 | -1 | 2 | 12.1 | 2828 | 67 | 5.8 | 82 | 0.331 | | | | |
| 16-44.3781-112.3292-2-12- | 0-118861 | 5224 | 902 | 6331 | 67 | -5 | 9.3 | 9.9 | -284 | -1 | -1 | 11.6 | 3089 | 82 | 6.2 | 142 | 0.397 | | | | |
| 16-44.5139-112.0108-2-11- | 0-118862 | 5276 | 496 | 7842 | 115 | -7 | 15.5 | 7.9 | -229 | -1 | -1 | 11.6 | 3403 | 87 | 5.3 | -43 | 0.293 | | | | |
| 16-44.5344-112.0244-2-11- | 0-118863 | 8243 | 710 | 9645 | 93 | -5 | 13.0 | 7.9 | -251 | 3 | -1 | 13.1 | 3544 | 93 | 5.3 | 180 | 0.282 | | | | |
| 16-44.4956-112.0692-2-12- | 0-118864 | 5320 | 601 | 9392 | 88 | -4 | 6.8 | 7.1 | -263 | -1 | -1 | 9.9 | 2925 | 60 | -2.0 | -97 | 0.283 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | | | | |
|--------------------------|----------|-----------|---------|-------------|-----------|--|--------------|--------------------|-----------------|-------------------|----------|----------------------|----|------------------------|----------------------|-----------|------------|---------------|----------------|-----------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|-------------------|--------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAS SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SOUND METER (uV/ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER CLAR. | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) UNITS IN ppm |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44.2939-113.1317-2-11 | 0-119967 | 06/25/79 | 14-24 | 11.5 | - | 7.0 | 282 | 9-1-1-5-6-2-3-1 | -4-3-3-3 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 16-44.2753-113.1206-2-11 | 0-119968 | 06/25/79 | 15-24 | 11.0 | - | 8.0 | 186 | 6-1-1-5-6-3-3-1 | -4-3-3-3 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.60 | | | |
| 16-44.3000-113.1244-2-15 | 0-119969 | 06/25/79 | 15-24 | - | - | - | - | 3-1-1-5-6-6-1 | -4-3-3-3 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 16-44.3022-113.1186-2-15 | 0-119970 | 06/25/79 | 15-24 | - | - | - | - | 6-1-1-5-6-6-1 | -4-3-3-3 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | | |
| 16-44.2439-113.1183-2-15 | 0-119971 | 06/25/79 | 16-23 | - | - | - | - | 7-1-7-5-6-6-1 | -2-1-3-5-3 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.40 | | | | |
| 16-44.2447-113.1231-2-15 | 0-119972 | 06/25/79 | 16-23 | - | - | - | - | 2-1-7-3-1-1 | -2-1-3-5-3 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.10 | | | |
| 16-44.2569-113.1428-2-11 | 0-119973 | 06/25/79 | 17-22 | 4.5 | - | 7.9 | 196 | 10-1-1-5-6-2-3-1 | -4-3-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.60 | | | |
| 16-44.2514-113.0297-2-15 | 0-119974 | 06/25/79 | 18-22 | - | - | - | - | 5-1-1-5-6-6-1 | -1-4-3-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44.2569-113.0778-2-11 | 0-119975 | 06/25/79 | 17-22 | 5.5 | - | 7.8 | 217 | 1-1-1-5-6-2-3-1 | -4-3-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | | | |
| 16-44.2472-113.0769-2-15 | 0-119976 | 06/25/79 | 17-22 | - | - | - | - | 6-1-1-5-6-6-1 | -1-4-3-5-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 16-44.2769-113.0593-2-15 | 0-119977 | 06/25/79 | 19-22 | - | - | - | - | 5-1-1-3-1-1 | -2-4-3-4-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | | |
| 16-44.2514-113.0755-2-11 | 0-119978 | 06/25/79 | 17-22 | 5.1 | - | 7.0 | 229 | 5-1-1-5-6-2-3-1 | -4-3-5-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 16-44.2789-113.0606-2-15 | 0-119979 | 06/25/79 | 19-22 | - | - | - | - | 11-1-1-3-1-1 | -2-4-3-4-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.80 | | | |
| 16-44.2942-113.0644-2-15 | 0-119980 | 06/25/79 | 19-22 | - | - | - | - | 6-1-1-5-6-6-1 | -1-4-3-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 16-44.2792-113.0633-2-15 | 0-119981 | 06/25/79 | 19-22 | - | - | - | - | 6-1-1-4-6-6-1 | -1-4-3-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44.3099-113.0236-2-15 | 0-119982 | 06/25/79 | 19-22 | - | - | - | - | 5-1-1-5-6-6-1 | -1-4-3-2-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44.3110-113.0175-2-15 | 0-119983 | 06/25/79 | 19-22 | - | - | - | - | 6-1-1-5-6-6-1 | -1-4-3-2-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | |
| 16-44.3292-113.0372-2-15 | 0-119984 | 06/25/79 | 19-21 | - | - | - | - | 6-1-1-5-6-6-1 | -1-4-3-2-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 16-44.3222-113.0142-2-15 | 0-119985 | 06/25/79 | 10-21 | - | - | - | - | 6-1-1-5-6-6-1 | -1-4-3-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44.5975-113.2547-2-11 | 0-119986 | 06/26/79 | 12-25 | 12.6 | - | 8.3 | 442 | 7-2-1-5-6-3-3-1 | -1-4-3-2-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | | |
| 16-44.6039-113.2578-2-11 | 0-119987 | 06/26/79 | 12-26 | 14.4 | - | 8.0 | 430 | 4-1-1-5-8-3-3-1 | -4-4-1-1-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | | |
| 16-44.5758-113.2344-2-15 | 0-119988 | 06/26/79 | 13-26 | - | - | - | - | 12-1-1-5-6-6-1 | -2-4-2-1-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 16-44.5958-113.2272-2-15 | 0-119989 | 06/26/79 | 13-26 | - | - | - | - | 6-1-1-5-6-6-1 | -1-4-3-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 16-44.5294-113.3089-2-15 | 0-119990 | 06/26/79 | 15-27 | - | - | - | - | 8-1-1-5-6-6-1 | -2-4-3-2-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 16-44.5219-113.3511-2-11 | 0-119991 | 06/26/79 | 16-24 | 4.7 | - | 7.6 | 10 | 8-1-1-5-8-6-3-1 | -1-3-4-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.70 | | | |
| 16-44.5236-113.3469-2-15 | 0-119992 | 06/26/79 | 16-24 | - | - | - | - | 14-1-1-5-6-6-1 | -2-2-3-4-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.40 | | | |
| 16-44.5539-113.3519-2-11 | 0-119993 | 06/26/79 | 16-27 | 13.8 | - | 8.9 | 107 | 4-1-1-5-8-2-3-1 | -1-2-3-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | | |
| 16-44.5833-113.3297-2-12 | 0-119994 | 06/26/79 | 17-23 | 21.4 | - | 8.6 | 391 | 12-1-1-5-6-6-3-3-1 | -2-4-3-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44.2169-113.2063-2-15 | 0-118895 | 06/25/79 | 11-28 | - | - | - | - | 4-2-6-5-6-6-1 | -2-3-2-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | |
| 16-44.1978-113.2014-2-15 | 0-118996 | 06/25/79 | 11-29 | - | - | - | - | 12-2-6-5-6-6-1 | -2-3-2-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44.1964-113.2294-2-90 | 0-118997 | 06/25/79 | 11-29 | - | - | - | - | 3-1-1-5-6-6-1 | -3-2-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | | |
| 16-44.1739-113.2300-2-11 | 0-118998 | 06/25/79 | 12-27 | 13.8 | - | 7.9 | 169 | 4-4-6-5-6-2-2-1 | -3-2-3-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 16-44.1681-113.2225-2-11 | 0-118999 | 06/25/79 | 12-27 | 9.4 | - | 8.0 | 261 | 6-2-6-5-6-2-2-1 | -3-2-3-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.90 | | | |
| 16-44.1586-113.0256-2-15 | 0-119000 | 06/25/79 | 12-27 | - | - | - | - | 7-4-6-5-6-6-1 | -2-3-2-3-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44.1922-112.9899-2-11 | 0-119001 | 06/25/79 | 13-28 | 17.5 | - | 7.9 | 278 | 6-2-6-5-6-2-2-1 | -2-2-3-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44.1483-112.9819-2-15 | 0-119002 | 06/25/79 | 13-29 | - | - | - | - | 4-2-6-5-6-6-1 | -2-3-2-3-2 | -2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44.1459-112.9808-2-12 | 0-119003 | 06/25/79 | 13-29 | 15.9 | - | 9.2 | 231 | 6-2-6-5-6-2-2-1 | -2-3-2-3-2 | -2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44.1339-112.9958-2-12 | 0-119004 | 06/25/79 | 14-28 | 11.6 | - | 8.7 | 213 | 6-2-6-5-6-2-2-1 | -2-2-2-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 16-44.1339-113.0000-2-15 | 0-119005 | 06/25/79 | 14-28 | - | - | - | - | 4-2-6-4-6-6-1 | -2-3-2-3-3 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | | | |
| 16-44.1275-113.0081-2-12 | 0-119006 | 06/25/79 | 14-28 | 8.5 | - | 8.7 | 203 | 6-1-6-5-6-2-2-1 | -2-2-3-3-3 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | | |
| 16-44.1225-113.0092-2-15 | 0-119007 | 06/25/79 | 15-28 | - | - | - | - | 8-1-6-5-6-6-1 | -2-3-2-3-4 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | |
| 16-44.1172-113.0094-2-15 | 0-119008 | 06/25/79 | 15-28 | - | - | - | - | 4-1-6-5-6-6-1 | -2-3-2-3-4 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 16-44.1783-112.9475-2-15 | 0-119009 | 06/25/79 | 16-26 | - | - | - | - | 12-4-6-5-6-6-1 | -2-3-2-2-4 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44.1403-112.9094-2-12 | 0-119010 | 06/25/79 | 16-25 | 16.4 | - | 9.0 | 295 | 6-4-6-5-6-3-3-1 | -2-2-2-2-4 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 16-44.1283-112.8672-2-15 | 0-119011 | 06/25/79 | 16-25 | - | - | - | - | 6-4-6-5-6-6-1 | -2-3-2-2-4 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 16-44.1178-112.9406-2-15 | 0-119012 | 06/25/79 | 17-25 | - | - | - | - | 6-4-6-5-6-6-1 | -2-3-2-2-4 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 16-44.1161-112.9408-2-15 | 0-119013 | 06/25/79 | 17-25 | - | - | - | - | 6-4-6-5-6-6-1 | -2-3-2-2-4 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 16-44.0719-112.9261-2-15 | 0-119014 | 06/25/79 | 17-25 | - | - | - | - | 8-4-6-5-6-6-1 | -2-3-2-3-4 | -3</ | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | | |
|-------------------|---------------------|-----------|---------|-------------|-----------|---|---|-----|----|-----|-----|----|----|-----|----|----|--|------------------------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be |
| 16-44 | 2P39-113.1317-2-11- | 0-119967 | -5 | 5 | -5 | 22 | -20 | -15 | 7 | -10 | -15 | 10 | -5 | 112 | 1 | 14 | | | |
| 16-44 | 2753-113.1206-2-11- | 0-119968 | -5 | -5 | -5 | 35 | -20 | -15 | 9 | -10 | -15 | 5 | -5 | 139 | 1 | 18 | | | |
| 16-44 | 3000-113.1044-2-15- | 0-119969 | -5 | 6 | -5 | 31 | -20 | 32 | 18 | -10 | 17 | 13 | -5 | 179 | 2 | 31 | | | |
| 16-44 | 3022-113.1086-2-15- | 0-119970 | -5 | -5 | -5 | 31 | -20 | 18 | 26 | -10 | 16 | 13 | -5 | 165 | 2 | 33 | | | |
| 16-44 | 2439-113.1183-2-15- | 0-119971 | -5 | 5 | -5 | 13 | -20 | -15 | -5 | -10 | -15 | 16 | -5 | 46 | -1 | 21 | | | |
| 16-44 | 2447-113.1231-2-15- | 0-119972 | -5 | -5 | -5 | 15 | -20 | -15 | -5 | -10 | -15 | 21 | -5 | 42 | -1 | 15 | | | |
| 15-44 | 2569-113.1028-2-11- | 0-119973 | -5 | -5 | -5 | 18 | -20 | -15 | 6 | -10 | -15 | 9 | -5 | 119 | -1 | 15 | | | |
| 16-44 | 2514-113.0297-2-15- | 0-119974 | -5 | 11 | -5 | 27 | -20 | 45 | 22 | -10 | 15 | 22 | -5 | 164 | 2 | 36 | | | |
| 16-44 | 2669-113.0778-2-11- | 0-119975 | -5 | 7 | -5 | 14 | -20 | -15 | 11 | -10 | -15 | 8 | -5 | 129 | 1 | 21 | | | |
| 15-44 | 2472-113.0760-2-15- | 0-119976 | -5 | -5 | -5 | 31 | -20 | 26 | 13 | -10 | -15 | 22 | -5 | 124 | 1 | 34 | | | |
| 15-44 | 2769-113.0582-2-15- | 0-119977 | -5 | 9 | -5 | 34 | -20 | -15 | 18 | -10 | 17 | 13 | -5 | 149 | 2 | 31 | | | |
| 15-44 | 2514-113.0758-2-11- | 0-119978 | -5 | -5 | -5 | 23 | -20 | -15 | -5 | -10 | 26 | 13 | -5 | 94 | -1 | 13 | | | |
| 16-44 | 2789-113.0606-2-15- | 0-119979 | -5 | 7 | -5 | 15 | -20 | -15 | 17 | -10 | -15 | 18 | -5 | 88 | -1 | 32 | | | |
| 16-44 | 2842-113.0044-2-15- | 0-119980 | -5 | -5 | -5 | 27 | -20 | -15 | 20 | -10 | -15 | 12 | -5 | 141 | 2 | 42 | | | |
| 16-44 | 2792-113.0033-2-15- | 0-119981 | -5 | -5 | -5 | 23 | -20 | -15 | 70 | -10 | -15 | -5 | -5 | 153 | 2 | 35 | | | |
| 16-44 | 3089-113.0236-2-15- | 0-119982 | -5 | -5 | -5 | 35 | -20 | 25 | 20 | -10 | -15 | 13 | -5 | 234 | 2 | 37 | | | |
| 16-44 | 3119-113.0175-2-15- | 0-119983 | -5 | -5 | -5 | 25 | -20 | 38 | 98 | -10 | -15 | -5 | -5 | 195 | 3 | 27 | | | |
| 16-44 | 3292-113.0872-2-15- | 0-119984 | -5 | 7 | -5 | 19 | -20 | -15 | 20 | -10 | -15 | 12 | -5 | 163 | 2 | 23 | | | |
| 16-44 | 3222-113.0614-2-15- | 0-119985 | -5 | 8 | -5 | 26 | 29 | 28 | 13 | -10 | -15 | 12 | -5 | 168 | 1 | 37 | | | |
| 16-44 | 5975-113.2647-2-11- | 0-119986 | -5 | 5 | -5 | 17 | -20 | 36 | -5 | -10 | 26 | 8 | -5 | 128 | 1 | 29 | | | |
| 16-44 | 6039-113.2578-2-11- | 0-119987 | -5 | 8 | -5 | 47 | -20 | 16 | 25 | -10 | -15 | 17 | -5 | 110 | 1 | 14 | | | |
| 16-44 | 5758-113.2844-2-15- | 0-119988 | -5 | -5 | -5 | 24 | -20 | -15 | 19 | -10 | -15 | 11 | -5 | 232 | 2 | 34 | | | |
| 16-44 | 5858-113.3272-2-15- | 0-119989 | -5 | -5 | -5 | 26 | -20 | -15 | 13 | -10 | -15 | 10 | -5 | 251 | 2 | 32 | | | |
| 16-44 | 5294-113.3089-2-15- | 0-119990 | -5 | -5 | -5 | 21 | -20 | -15 | 22 | -10 | -15 | 6 | -5 | 213 | 2 | 26 | | | |
| 16-44 | 5219-113.2511-2-11- | 0-119991 | -5 | -5 | -5 | 15 | -20 | -15 | -5 | -10 | 26 | 8 | -5 | 110 | -1 | 4 | | | |
| 16-44 | 5236-113.3469-2-15- | 0-119992 | -5 | 5 | -5 | 39 | -20 | 28 | 69 | -10 | -15 | -5 | -5 | 150 | 3 | 31 | | | |
| 16-44 | 5539-113.2519-2-11- | 0-119993 | -5 | -5 | -5 | 30 | -20 | -15 | 18 | -10 | -15 | -5 | -5 | 145 | 1 | 24 | | | |
| 16-44 | 5932-113.3297-2-12- | 0-119994 | -5 | -5 | -5 | 18 | -20 | -15 | 23 | -10 | -15 | -5 | -5 | 205 | 1 | 15 | | | |
| 16-44 | 2169-113.0083-2-15- | 0-119995 | -5 | -5 | -5 | 23 | -20 | 44 | 15 | -10 | -15 | 13 | -5 | 193 | 2 | 28 | | | |
| 16-44 | 1078-113.0014-2-15- | 0-119996 | -5 | -5 | -5 | 25 | -20 | 32 | 14 | -10 | -15 | 10 | -5 | 168 | 2 | 25 | | | |
| 16-44 | 1964-113.0294-2-90- | 0-119997 | -5 | -5 | -5 | 30 | -20 | 29 | 7 | -10 | -15 | 15 | -5 | 170 | 2 | 19 | | | |
| 16-44 | 1739-113.0200-2-11- | 0-119998 | -5 | -5 | -5 | 25 | -20 | 33 | 10 | -10 | -15 | -5 | -5 | 196 | 1 | 19 | | | |
| 16-44 | 1681-113.0225-2-11- | 0-119999 | -5 | 6 | -5 | 42 | -20 | 119 | 13 | -10 | -15 | -5 | -5 | 132 | 1 | 15 | | | |
| 16-44 | 1586-113.0256-2-15- | 0-119990 | -5 | -5 | -5 | 23 | -20 | 29 | 16 | -10 | -15 | 23 | -5 | 164 | 1 | 19 | | | |
| 16-44 | 1922-112.9889-2-11- | 0-119991 | -5 | -5 | -5 | 20 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 38 | -1 | 3 | | | |
| 16-44 | 1482-112.9819-2-15- | 0-119992 | -5 | -5 | -5 | 26 | -20 | 33 | 11 | -10 | -15 | 14 | -5 | 175 | 2 | 20 | | | |
| 16-44 | 1469-112.9808-2-12- | 0-119993 | -5 | -5 | -5 | 20 | -20 | 27 | 11 | -10 | -15 | 11 | -5 | 201 | 2 | 28 | | | |
| 16-44 | 1339-112.9858-2-12- | 0-119994 | -5 | -5 | -5 | 19 | -20 | 29 | -5 | -10 | -15 | 14 | -5 | 129 | -1 | 20 | | | |
| 16-44 | 1339-113.0000-2-15- | 0-119995 | -5 | -5 | -5 | 31 | -20 | 116 | 7 | -10 | -15 | 6 | -5 | 153 | 1 | 19 | | | |
| 16-44 | 1275-113.0081-2-12- | 0-119996 | -5 | -5 | -5 | 11 | -20 | 30 | 9 | -10 | -15 | -5 | -5 | 187 | 1 | 24 | | | |
| 16-44 | 1225-113.0092-2-15- | 0-119997 | -5 | -5 | -5 | 14 | -20 | 22 | 7 | -10 | -15 | 13 | -5 | 161 | 1 | 29 | | | |
| 16-44 | 1172-113.0094-2-15- | 0-119998 | -5 | -5 | -5 | 24 | -20 | 25 | 6 | -10 | -15 | 15 | -5 | 163 | 2 | 26 | | | |
| 16-44 | 1782-112.9475-2-15- | 0-119999 | -5 | -5 | -5 | 27 | -20 | 26 | 18 | -10 | -15 | -5 | -5 | 215 | 2 | 30 | | | |
| 16-44 | 1403-112.9894-2-12- | 0-119990 | -5 | -5 | -5 | 12 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 97 | -1 | 10 | | | |
| 16-44 | 1283-112.9572-2-15- | 0-119991 | -5 | -5 | -5 | 27 | -20 | 28 | 8 | -10 | -15 | 11 | -5 | 267 | 2 | 19 | | | |
| 16-44 | 1178-112.9406-2-15- | 0-119992 | -5 | -5 | -5 | 20 | -20 | 20 | 11 | -10 | 16 | 9 | -5 | 265 | 2 | 24 | | | |
| 16-44 | 1161-112.9408-2-15- | 0-119993 | -5 | -5 | -5 | 26 | -20 | 19 | 25 | -10 | -15 | -5 | -5 | 220 | 1 | 39 | | | |
| 16-44 | 0719-112.9281-2-15- | 0-119994 | -5 | -5 | -5 | 23 | -20 | 24 | 5 | -10 | -15 | 8 | -5 | 191 | 2 | 25 | | | |
| 16-44 | 0658-112.9894-2-15- | 0-119995 | -5 | -5 | -5 | 35 | -20 | 146 | 6 | -10 | -15 | -5 | -5 | 126 | 2 | 20 | | | |
| 16-44 | 0647-112.9883-2-15- | 0-119996 | -5 | 6 | -5 | 22 | -20 | 35 | 15 | -10 | -15 | 11 | -5 | 172 | 2 | 23 | | | |
| 16-44 | 0914-112.8944-2-15- | 0-119997 | -5 | -5 | -5 | 14 | -20 | -15 | 14 | -10 | -15 | -5 | -5 | 204 | 1 | 16 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------|--|------|-----|------|----|------|-------|------|-------|-----|------|----|----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Bc | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 16-44.2839-113.1217-2-11- | 0-118867 | 30770 | -0.18 | 409 | 51790 | 47 | 129 | 4.4 | 79 | 11.5 | 4 | 1.1 | 12630 | 4.5 | 11410 | -22 | 0.3 | | | |
| 16-44.2752-113.1206-2-11- | 0-118868 | 64970 | -0.26 | 515 | 21910 | 53 | -102 | 9.7 | 52 | 10.9 | 5 | 1.4 | 30230 | 4.8 | 13600 | -24 | 0.4 | | | |
| 16-44.3000-113.1044-2-15- | 0-118869 | 55920 | -0.21 | 564 | 18480 | 72 | -87 | 9.3 | 74 | 7.0 | 5 | 1.3 | 30450 | 7.5 | 15340 | 41 | 0.3 | | | |
| 16-44.3022-113.1086-2-15- | 0-118870 | 54700 | -0.19 | 531 | 13750 | 73 | -80 | 8.0 | 79 | 6.1 | 5 | 1.4 | 28240 | 7.9 | 18500 | 30 | 0.4 | | | |
| 16-44.2439-113.1183-2-15- | 0-118871 | 10960 | -0.04 | 233 | 198500 | 13 | 235 | 2.7 | 20 | 1.1 | 1 | -0.1 | 6667 | 1.5 | 6593 | 7 | 0.1 | | | |
| 16-44.2447-113.1231-2-15- | 0-118872 | 10710 | -0.04 | -86 | 188200 | 17 | 314 | 3.0 | 21 | -0.9 | -1 | 0.3 | 7198 | 1.3 | 4994 | -2 | 0.1 | | | |
| 16-44.2569-113.1028-2-11- | 0-118873 | 31240 | -0.18 | 450 | 32300 | 36 | 221 | 5.6 | 32 | 4.8 | 4 | 0.7 | 16970 | 5.6 | 11330 | -23 | 0.2 | | | |
| 16-44.2514-113.0297-2-15- | 0-118874 | 55520 | -0.19 | 532 | 17660 | 67 | -78 | 7.9 | 78 | 6.2 | 5 | 1.3 | 26330 | 7.3 | 20470 | -21 | 0.4 | | | |
| 16-44.2669-113.0778-2-11- | 0-118875 | 42530 | -0.18 | 493 | 105600 | 50 | 275 | 6.0 | 41 | 5.9 | 4 | 1.0 | 19480 | 5.6 | 2727 | -20 | 0.2 | | | |
| 16-44.2472-113.0769-2-15- | 0-118876 | 51670 | -0.22 | 476 | 14670 | 62 | -79 | 6.5 | 81 | 7.4 | 3 | 1.1 | 23970 | 5.2 | 17120 | -22 | 0.3 | | | |
| 16-44.2769-113.0582-2-15- | 0-118877 | 54260 | -0.20 | 508 | 27390 | 60 | -89 | 8.8 | 57 | 8.0 | 5 | 1.3 | 25860 | 6.6 | 16900 | -19 | 0.3 | | | |
| 16-44.2514-113.0758-2-11- | 0-118878 | 23040 | -0.15 | 261 | 141400 | 34 | 216 | 3.7 | 36 | 10.1 | 3 | 0.9 | 10270 | 4.2 | 7570 | 28 | -0.1 | | | |
| 16-44.2789-113.0606-2-15- | 0-118879 | 32940 | -0.15 | 338 | 120100 | 31 | 226 | 4.1 | 43 | 4.1 | 2 | 0.7 | 14180 | 3.2 | 13170 | -19 | 0.2 | | | |
| 16-44.2842-113.0044-2-15- | 0-118880 | 47820 | -0.21 | 499 | 69360 | 56 | 164 | 7.2 | 53 | 6.1 | 5 | 1.3 | 22300 | 5.7 | 15180 | -20 | 0.3 | | | |
| 16-44.2792-113.0032-2-15- | 0-118881 | 54540 | -0.21 | 632 | 37090 | 57 | -99 | 8.0 | 66 | 5.9 | 5 | 1.3 | 26150 | 5.7 | 18360 | -22 | 0.3 | | | |
| 16-44.3089-113.0226-2-15- | 0-118882 | 57020 | -0.18 | 695 | 17080 | 83 | -88 | 10.2 | 71 | 5.1 | 6 | 1.7 | 28070 | 10.1 | 21270 | 56 | 0.5 | | | |
| 16-44.3119-113.0175-2-15- | 0-118883 | 49460 | -0.17 | 658 | 60350 | 93 | -78 | 9.1 | 71 | 4.3 | 7 | 1.4 | 22460 | 7.6 | 17810 | 52 | 0.4 | | | |
| 16-44.3292-113.0872-2-15- | 0-118884 | 43460 | -0.20 | 242 | 85760 | 66 | -83 | 7.6 | 72 | 5.2 | 4 | 1.2 | 21950 | 7.8 | 12630 | -20 | 0.4 | | | |
| 16-44.3222-113.0614-2-15- | 0-118885 | 58240 | -0.20 | 590 | 15960 | 67 | -100 | 10.8 | 73 | 5.8 | 6 | 1.4 | 28960 | 9.8 | 15550 | -22 | 0.5 | | | |
| 16-44.5975-113.2647-2-11- | 0-118886 | 39120 | -0.22 | 443 | 84770 | 58 | -90 | 8.4 | 115 | -1.8 | 4 | 1.0 | 20610 | 4.6 | 11830 | -33 | 0.2 | | | |
| 16-44.6039-113.2578-2-11- | 0-118887 | 50560 | -0.25 | 415 | 39090 | 56 | 310 | 11.7 | 50 | 5.4 | 3 | 1.2 | 32820 | 4.5 | 8387 | -27 | 0.5 | | | |
| 16-44.5758-113.2844-2-15- | 0-118888 | 60920 | -0.20 | 858 | 12710 | 79 | 158 | 9.0 | 61 | 5.6 | 6 | 1.3 | 29050 | 10.6 | 22320 | 58 | 0.4 | | | |
| 16-44.5858-113.2272-2-15- | 0-118889 | 56930 | -0.18 | 697 | 36570 | 82 | 202 | 7.7 | 52 | 6.2 | 6 | 1.5 | 26210 | 11.1 | 19390 | 39 | 0.5 | | | |
| 16-44.5294-113.3089-2-15- | 0-118890 | 56550 | -0.18 | 661 | 10500 | 64 | -85 | 7.0 | 54 | 5.7 | 5 | 1.1 | 24440 | 8.6 | 18870 | 33 | 0.4 | | | |
| 16-44.5219-113.3511-2-11- | 0-118891 | 15590 | -0.10 | 151 | 143800 | 24 | 312 | 2.3 | 15 | 1.4 | 2 | 0.6 | 9474 | 5.3 | 6996 | -13 | 0.2 | | | |
| 16-44.5236-113.3469-2-15- | 0-118892 | 82080 | -0.26 | 1784 | 10320 | 64 | -98 | 10.5 | 65 | 42.3 | 8 | 1.4 | 32040 | 6.3 | 23030 | -25 | 0.4 | | | |
| 16-44.5539-113.3516-2-11- | 0-118893 | 48360 | -0.16 | 554 | 70160 | 59 | 326 | 9.2 | 47 | 4.6 | 5 | 1.6 | 22110 | 6.3 | 12900 | 37 | 0.2 | | | |
| 16-44.5833-113.3297-2-12- | 0-118894 | 52190 | -0.17 | 655 | 15470 | 56 | 125 | 6.0 | 45 | 5.3 | 5 | 1.2 | 23280 | 8.8 | 18690 | -19 | 0.4 | | | |
| 16-44.2169-113.0083-2-15- | 0-118895 | 51320 | -0.19 | 437 | 23110 | 81 | -87 | 9.6 | 84 | 5.4 | 5 | 1.4 | 27530 | 9.8 | 17880 | 46 | 0.5 | | | |
| 16-44.1978-113.0014-2-15- | 0-118896 | 63610 | -0.19 | 659 | 14930 | 79 | -106 | 11.7 | 77 | 4.9 | 5 | 1.4 | 30260 | 6.3 | 17070 | -19 | 0.4 | | | |
| 16-44.1964-113.0394-2-15- | 0-118897 | 76430 | -0.17 | 856 | 41050 | 93 | -97 | 17.2 | 168 | 3.6 | 5 | 2.1 | 35890 | 8.7 | 14770 | 56 | 0.4 | | | |
| 16-44.1739-113.0300-2-11- | 0-118898 | 47640 | -0.12 | 647 | 17770 | 58 | -86 | 7.8 | 118 | 2.7 | 5 | 1.2 | 21360 | 7.3 | 15930 | -21 | 0.4 | | | |
| 16-44.1691-113.0321-2-11- | 0-118899 | 56980 | -0.27 | 609 | 24200 | 63 | -115 | 22.5 | 496 | -2.4 | 3 | 1.6 | 41630 | 4.8 | 14600 | -22 | 0.3 | | | |
| 16-44.1586-113.0256-2-15- | 0-118900 | 45540 | -0.13 | 465 | 35350 | 51 | 128 | 6.9 | 82 | 5.6 | 4 | 1.0 | 23160 | 6.6 | 18230 | 31 | 0.4 | | | |
| 16-44.1922-113.9889-2-11- | 0-118901 | 13630 | -0.07 | -179 | 68700 | 18 | 458 | -1.3 | 17 | -1.4 | 2 | 2.4 | 7389 | -1.0 | -4129 | -4 | -0.1 | | | |
| 16-44.1483-113.9819-2-15- | 0-118902 | 49530 | -0.18 | 587 | 54080 | 55 | -73 | 9.6 | 92 | 4.3 | 5 | 1.2 | 24260 | 6.4 | 19460 | -17 | 0.3 | | | |
| 16-44.1469-113.9808-2-12- | 0-118903 | 52340 | -0.21 | 430 | 36430 | 80 | -93 | 8.3 | 100 | 4.9 | 6 | 1.3 | 26930 | 8.7 | 18710 | -18 | 0.4 | | | |
| 16-44.1339-113.9958-2-12- | 0-118904 | 22790 | -0.16 | 277 | 88070 | 32 | 125 | 5.9 | 92 | 4.2 | 3 | 0.7 | 15560 | 5.1 | 10440 | -19 | -0.1 | | | |
| 16-44.1339-113.0000-2-15- | 0-118905 | 52680 | -0.10 | 799 | 53490 | 62 | -88 | 21.8 | 524 | 2.9 | 4 | 1.7 | 38410 | 6.6 | 17090 | 35 | 0.3 | | | |
| 16-44.1275-113.0081-2-12- | 0-118906 | 33890 | -0.16 | 326 | 31330 | 38 | 93 | 4.5 | 78 | 4.0 | 4 | 0.7 | 12230 | 7.7 | 14920 | -20 | 0.3 | | | |
| 16-44.1225-113.0092-2-15- | 0-118907 | 42590 | -0.19 | 312 | 62010 | 48 | -68 | 7.0 | 100 | 6.4 | 4 | 1.0 | 21290 | 6.9 | 15870 | -16 | 0.3 | | | |
| 16-44.1172-113.0094-2-15- | 0-118908 | 39420 | -0.18 | 444 | 70030 | 44 | -70 | 6.1 | 97 | 6.0 | 5 | 0.9 | 19430 | 7.6 | 14350 | -19 | 0.4 | | | |
| 16-44.1173-113.9475-2-15- | 0-118909 | 61520 | -0.17 | 884 | 14090 | 84 | -89 | 11.4 | 71 | 5.9 | 5 | 1.5 | 31170 | 10.5 | 19640 | 37 | 0.5 | | | |
| 16-44.1403-113.8994-2-12- | 0-118910 | 21390 | -0.14 | 447 | 184600 | 36 | -73 | 3.1 | 53 | 4.3 | 3 | 0.7 | 9377 | 3.8 | 7861 | -16 | 0.2 | | | |
| 16-44.1283-113.8972-2-15- | 0-118911 | 42600 | -0.17 | 501 | 27960 | 85 | -74 | 7.7 | 94 | 3.1 | 3 | 1.4 | 21710 | 12.5 | 14340 | 51 | 0.3 | | | |
| 16-44.1178-113.9406-2-15- | 0-118912 | 48810 | -0.17 | 514 | 29350 | 77 | -85 | 9.8 | 105 | 4.7 | 5 | 1.3 | 27870 | 11.5 | 15340 | -18 | 0.3 | | | |
| 16-44.1161-113.9409-2-15- | 0-118913 | 53120 | -0.16 | 642 | 16580 | 72 | -78 | 8.8 | 77 | 5.8 | 5 | 1.6 | 26290 | 9.8 | 17400 | -15 | 0.5 | | | |
| 16-44.0719-113.9291-2-15- | 0-118914 | 47710 | -0.16 | 578 | 56310 | 55 | 122 | 8.0 | 78 | 4.0 | 4 | 1.2 | 21250 | 7.4 | 16780 | -20 | 0.4 | | | |
| 16-44.0658-113.9894-2-15- | 0-118915 | 49490 | -0.22 | 528 | 38070 | 54 | -81 | 22.9 | 408 | 5.1 | 3 | 1.2 | 39670 | 5.4 | 11830 | -20 | 0.3 | | | |
| 16-44.0647-113.9883-2-15- | 0-118916 | 50560 | -0.19 | 486 | 16160 | 57 | -80 | 6.7 | 100 | 5.6 | 5 | 1.1 | 25950 | 7.5 | 18660 | -22 | 0.4 | | | |
| 16-44.0914-113.8944-2-15- | 0-118917 | 35860 | -0.13 | 345 | 92990 | 53 | -60 | 6.1 | 87 | 2.9 | 4 | 1.1 | 17340 | 9.6 | 13780 | -13 | 0.3 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO | |
|---------------------------|----------|-----------|---------|-------------|-----------|---|---|------|------|----|----|------|------|-----|------|-----|-------|----|---|---------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | | Yb |
| 16-44.2870-113.1317-2-11- | 0-119967 | 5228 | 182 | 3632 | 65 | -4 | 5.5 | 5.2 | -164 | -1 | -1 | 5.4 | 2067 | 53 | -2.4 | -31 | 0.500 | | | | |
| 16-44.2753-113.1206-2-11- | 0-119968 | 7930 | 673 | 10580 | -23 | -6 | 11.9 | 6.7 | -258 | -1 | -1 | 6.8 | 3775 | 74 | -3.2 | 111 | 0.265 | | | | |
| 16-44.3000-113.1044-2-15- | 0-119969 | 7758 | 801 | 6432 | 106 | -5 | 10.0 | 7.6 | -254 | -1 | -1 | 10.7 | 3274 | 64 | 3.9 | 148 | 0.252 | | | | |
| 16-44.3022-113.1086-2-15- | 0-119970 | 6965 | 834 | 7357 | -29 | -5 | 9.7 | 13.6 | -292 | -1 | -1 | 10.7 | 2561 | 73 | 3.4 | 164 | 0.224 | | | | |
| 16-44.2479-113.1183-2-15- | 0-119971 | 78220 | 227 | 857 | -20 | -1 | 2.2 | 1.3 | -179 | -1 | | 2.4 | 943 | 22 | -0.7 | 63 | 0.583 | | | | |
| 16-44.2447-113.1231-2-15- | 0-119972 | 87210 | 234 | 871 | -18 | -1 | 2.1 | 1.1 | -168 | -1 | | 2.1 | -522 | 24 | -0.8 | -40 | 0.524 | | | | |
| 16-44.2569-113.1028-2-11- | 0-119973 | 6009 | 578 | 3965 | 63 | -4 | 5.6 | 3.3 | -232 | -1 | -1 | 5.8 | 2173 | 38 | -2.4 | 146 | 0.276 | | | | |
| 16-44.2514-113.0297-2-15- | 0-119974 | 9898 | 803 | 6976 | 83 | -5 | 9.6 | 7.6 | -285 | -1 | -1 | 9.6 | 2700 | 80 | -2.3 | 191 | 0.302 | | | | |
| 16-44.2669-113.0778-2-11- | 0-119975 | 11230 | 365 | 3787 | -28 | -4 | 7.0 | 4.8 | -197 | -1 | -1 | 7.5 | 2648 | 51 | -2.5 | 132 | 0.267 | | | | |
| 16-44.2472-113.0769-2-15- | 0-119976 | 8562 | 677 | 4368 | 89 | -5 | 8.4 | 6.9 | -248 | -1 | -1 | 8.9 | 2120 | 76 | 4.0 | 191 | 0.371 | | | | |
| 16-44.2769-113.0583-2-15- | 0-119977 | 12400 | 824 | 6900 | 63 | -5 | 8.8 | 7.0 | -251 | -1 | -1 | 10.1 | 2573 | 58 | 4.6 | 128 | 0.238 | | | | |
| 16-44.2514-113.0758-2-11- | 0-119978 | 19800 | 262 | 2771 | 44 | -4 | 3.9 | 6.4 | -192 | -1 | | 4.8 | 1378 | 35 | -2.0 | -77 | 0.563 | | | | |
| 16-44.2790-113.0608-2-15- | 0-119979 | 47600 | 531 | 4107 | -25 | -4 | 4.8 | 4.2 | -233 | -1 | -1 | 5.2 | 1520 | 40 | -2.5 | 97 | 0.346 | | | | |
| 16-44.2842-113.0644-2-15- | 0-119980 | 23270 | 738 | 6458 | -27 | -5 | 7.7 | 5.5 | -246 | -1 | -1 | 8.9 | 2434 | 54 | 4.1 | 138 | 0.258 | | | | |
| 16-44.2792-113.0632-2-15- | 0-119981 | 14550 | 827 | 7636 | -29 | -5 | 9.0 | 7.0 | -276 | -1 | -1 | 9.8 | 2682 | 68 | -2.6 | 182 | 0.255 | | | | |
| 16-44.3080-113.0235-2-15- | 0-119982 | 9969 | 936 | 9948 | 141 | -4 | 9.9 | 8.3 | -298 | -1 | -1 | 13.0 | 3641 | 74 | 5.1 | 121 | 0.223 | | | | |
| 16-44.3110-113.0175-2-15- | 0-119983 | 14300 | 614 | 7567 | 76 | -4 | 7.4 | 9.5 | -233 | -1 | -1 | 11.8 | 3036 | 98 | 5.8 | 173 | 0.297 | | | | |
| 16-44.3292-113.0872-2-15- | 0-119984 | 17000 | 586 | 5624 | 50 | -5 | 7.6 | 4.5 | -224 | -1 | -1 | 9.5 | 2989 | 60 | -3.4 | 113 | 0.242 | | | | |
| 16-44.3222-113.0614-2-15- | 0-119985 | 10020 | 953 | 9362 | 108 | -5 | 9.8 | 7.3 | -272 | -1 | -1 | 12.1 | 3350 | 68 | -2.5 | 100 | 0.240 | | | | |
| 16-44.5075-113.2647-2-11- | 0-119986 | 15260 | 743 | 5700 | 84 | -5 | 7.2 | 4.6 | -310 | -1 | -1 | 6.9 | 2909 | 72 | -2.9 | 114 | 0.551 | | | | |
| 16-44.6039-113.2578-2-11- | 0-119987 | 37340 | 769 | 6664 | -36 | -6 | 9.6 | 6.0 | -288 | -1 | -1 | 10.0 | 2872 | 69 | -3.1 | 265 | 0.400 | | | | |
| 16-44.5758-113.2844-2-15- | 0-119988 | 7436 | 868 | 11010 | 95 | -5 | 9.3 | 7.4 | -269 | -1 | -1 | 13.3 | 3102 | 66 | -3.3 | 138 | 0.241 | | | | |
| 16-44.5858-113.2272-2-15- | 0-119989 | 15750 | 685 | 10200 | 85 | -4 | 8.4 | 11.1 | -279 | -1 | -1 | 13.3 | 2982 | 63 | -2.4 | 97 | 0.233 | | | | |
| 16-44.5296-113.3086-2-15- | 0-119990 | 6466 | 892 | 9069 | 45 | -4 | 8.0 | 7.1 | -282 | -1 | -1 | 10.8 | 3217 | 63 | 3.8 | 112 | 0.276 | | | | |
| 16-44.5210-113.3511-2-11- | 0-119991 | 76800 | 213 | 2441 | -16 | -2 | 2.1 | 2.6 | -150 | -1 | | 4.3 | 1095 | 21 | 2.5 | -22 | 0.395 | | | | |
| 16-44.5236-113.2466-2-15- | 0-119992 | 6949 | 1142 | 5258 | 112 | | 12.0 | 6.5 | -329 | -2 | -1 | 12.4 | 3192 | 68 | -3.4 | 197 | 0.597 | | | | |
| 16-44.5530-113.3519-2-11- | 0-119993 | 28980 | 706 | 9416 | -27 | -4 | 7.2 | 9.8 | -389 | -1 | -1 | 6.5 | 2048 | 49 | 4.4 | 123 | 0.333 | | | | |
| 16-44.5833-113.3297-2-12- | 0-119994 | 12280 | 296 | 8355 | 57 | -4 | 7.5 | 3.6 | -199 | -1 | -1 | 8.7 | 3000 | 55 | -2.2 | 134 | 0.287 | | | | |
| 16-44.2169-113.0083-2-15- | 0-119995 | 7756 | 737 | 7862 | -29 | -4 | 9.3 | 6.6 | -234 | -1 | -1 | 11.4 | 2937 | 70 | -2.4 | 115 | 0.246 | | | | |
| 16-44.1979-113.0014-2-15- | 0-119996 | 7620 | 872 | 10320 | 73 | -4 | 10.2 | 5.8 | -269 | -1 | -1 | 10.7 | 3095 | 63 | 3.8 | 176 | 0.271 | | | | |
| 16-44.1964-113.0394-2-99- | 0-119997 | 12110 | 687 | 15650 | 60 | -4 | 13.3 | -2.6 | -566 | -1 | -1 | 11.8 | 4322 | 82 | 4.3 | 152 | 0.220 | | | | |
| 16-44.1739-113.0300-2-11- | 0-119998 | 6891 | 468 | 9045 | 75 | -4 | 7.7 | 5.7 | -239 | -1 | -1 | 10.6 | 3305 | 60 | -2.2 | 163 | 0.292 | | | | |
| 16-44.1681-113.0325-2-11- | 0-119999 | 14000 | 1145 | 10710 | -41 | -6 | 16.7 | 6.1 | -332 | -1 | -1 | 9.0 | 2976 | 89 | -3.7 | -50 | 0.211 | | | | |
| 16-44.1586-113.0256-2-15- | 0-119990 | 6567 | 569 | 4720 | -28 | -4 | 7.8 | 5.1 | -216 | -1 | -1 | 8.2 | 3164 | 77 | -2.2 | 207 | 0.349 | | | | |
| 16-44.1922-112.9889-2-11- | 0-119991 | -1823 | 857 | 2112 | -20 | -2 | 1.9 | -0.5 | -117 | -2 | | 1.7 | -916 | 24 | -1.4 | | 1.706 | | | | |
| 16-44.1482-112.9819-2-15- | 0-119992 | 9474 | 695 | 6233 | 54 | -4 | 8.6 | 6.1 | -252 | -1 | -1 | 9.1 | 3427 | 69 | -2.4 | 116 | 0.275 | | | | |
| 16-44.1460-112.9808-2-12- | 0-119993 | 8775 | 748 | 7620 | 77 | -5 | 9.2 | 5.0 | -257 | -1 | -1 | 9.7 | 2959 | 65 | 4.1 | -32 | 0.299 | | | | |
| 16-44.1330-112.9958-2-12- | 0-119994 | 22110 | 297 | 4074 | 60 | -4 | 5.4 | -1.7 | -183 | -1 | -1 | 6.3 | 2081 | 52 | -2.1 | 137 | 0.476 | | | | |
| 16-44.1339-113.0000-2-15- | 0-119995 | 19470 | 802 | 11160 | 72 | -5 | 16.6 | 7.6 | 718 | -1 | -1 | 6.3 | 3439 | 111 | -2.5 | 156 | 0.317 | | | | |
| 16-44.1275-113.0081-2-12- | 0-119996 | 7945 | 108 | 2849 | -28 | -4 | 5.7 | 3.9 | -141 | -1 | -1 | 5.7 | 2766 | 76 | -1.9 | 116 | 0.667 | | | | |
| 16-44.1226-113.0092-2-15- | 0-119997 | 9504 | 434 | 2409 | 71 | -4 | 7.4 | 4.4 | -190 | -1 | -1 | 8.4 | 2812 | 85 | 3.3 | 119 | 0.417 | | | | |
| 16-44.1172-113.0094-2-15- | 0-119998 | 7699 | 401 | 3759 | -27 | -4 | 7.0 | -1.9 | -190 | -1 | -1 | 7.7 | 2372 | 77 | -2.3 | 175 | 0.442 | | | | |
| 16-44.1783-112.9475-2-15- | 0-119999 | 6762 | 935 | 10180 | 80 | -4 | 10.6 | 9.9 | -295 | 2 | -1 | 13.2 | 3614 | 74 | -2.9 | 129 | 0.220 | | | | |
| 16-44.1403-112.8994-2-12- | 0-119990 | 15350 | 277 | 3625 | -22 | -3 | 3.6 | 3.9 | 353 | -1 | | 5.4 | 1285 | 40 | -1.8 | -58 | 0.426 | | | | |
| 16-44.1282-112.8972-2-15- | 0-119991 | 11030 | 564 | 7281 | -23 | -4 | 7.7 | 6.9 | -198 | -1 | -1 | 11.0 | 2818 | 73 | -2.3 | -27 | 0.273 | | | | |
| 16-44.1178-112.8406-2-15- | 0-119992 | 9092 | 724 | 7882 | 91 | -4 | 9.0 | 6.3 | -231 | -1 | -1 | 11.6 | 3176 | 65 | 6.5 | 109 | 0.241 | | | | |
| 16-44.1161-112.9408-2-15- | 0-119993 | 9149 | 831 | 7593 | 82 | -4 | 9.4 | 7.4 | -271 | -1 | -1 | 11.3 | 3373 | 61 | 4.1 | 137 | 0.248 | | | | |
| 16-44.0719-112.9281-2-15- | 0-119994 | 11430 | 606 | 6442 | -29 | -4 | 7.5 | 5.3 | -236 | -1 | -1 | 9.8 | 2559 | 62 | -2.0 | 137 | 0.286 | | | | |
| 16-44.0658-112.9894-2-15- | 0-119995 | 15780 | 714 | 6360 | -33 | -5 | 11.3 | 6.1 | -233 | -1 | -1 | 9.2 | 3269 | 103 | 4.7 | -61 | 0.272 | | | | |
| 16-44.0647-112.9882-2-15- | 0-119996 | 7414 | 555 | 5773 | 90 | -5 | 8.8 | 6.9 | -226 | -1 | -1 | 9.5 | 2656 | 77 | -2.5 | 204 | 0.347 | | | | |
| 16-44.0914-112.8944-2-15- | 0-119997 | 15770 | 464 | 3730 | 53 | -3 | 6.3 | 6.9 | -187 | -1 | | 7.2 | 2304 | 57 | -1.6 | 55 | 0.361 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | | |
|--------------------------|----------|-----------|---------|-------------|-----------|---|---|----|-----|-----|----|----|-----|-----|----|----|----|--|------------------------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | U.S. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li |
| 16-44.0956-112.8911-2-15 | 0-118018 | -5 | -5 | -5 | 14 | -20 | 22 | 25 | -10 | -15 | 6 | -5 | 221 | 2 | 31 | | | | | |
| 16-44.0925-112.8756-2-12 | 0-118010 | -5 | -5 | -5 | -10 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 104 | -1 | 15 | | | | | |
| 16-44.1681-112.9186-2-15 | 0-118020 | -5 | -5 | -5 | 27 | -20 | 42 | 9 | -10 | -15 | 7 | -5 | 147 | 2 | 21 | | | | | |
| 16-44.1817-112.9253-2-15 | 0-118022 | -5 | -5 | -5 | 25 | -20 | -15 | 12 | -10 | -15 | 23 | 6 | -5 | 227 | 1 | 37 | | | | |
| 16-44.1947-112.9461-2-12 | 0-118023 | -5 | -5 | -5 | 18 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 83 | -1 | 11 | | | | | |
| 16-44.0147-112.7531-2-12 | 0-118024 | -5 | -5 | -5 | 32 | -20 | 21 | 16 | -10 | -15 | 8 | -5 | 153 | 1 | 21 | | | | | |
| 16-44.0404-112.8625-2-15 | 0-118025 | -5 | -5 | -5 | 24 | -20 | 26 | 17 | -10 | -15 | 11 | -5 | 203 | 2 | 34 | | | | | |
| 16-44.0528-112.8597-2-12 | 0-118026 | -5 | -5 | -5 | -10 | -20 | -15 | 10 | -10 | -15 | 6 | -5 | 166 | 1 | 13 | | | | | |
| 16-44.0404-112.8878-2-15 | 0-118027 | -5 | -5 | -5 | 19 | -20 | 30 | 24 | -10 | -15 | -5 | -5 | 223 | 1 | 33 | | | | | |
| 16-44.0275-112.8825-2-15 | 0-118028 | -5 | -5 | 7 | 21 | -20 | -15 | 20 | -10 | -15 | 8 | -5 | 218 | 2 | 34 | | | | | |
| 16-44.0194-112.8808-2-15 | 0-118029 | -5 | -5 | -5 | 25 | -20 | 22 | 26 | -10 | -15 | 6 | -5 | 199 | 2 | 31 | | | | | |
| 16-44.0092-112.8797-2-15 | 0-118030 | -5 | -5 | 7 | 20 | -20 | 55 | 24 | -10 | -15 | 8 | -5 | 165 | 2 | 43 | | | | | |
| 16-44.0011-112.8314-2-15 | 0-118031 | -5 | -5 | 8 | -10 | -20 | 24 | 13 | -10 | -15 | 7 | -5 | 133 | 1 | 17 | | | | | |
| 16-44.0731-112.7956-2-15 | 0-118032 | -5 | -5 | -5 | 25 | -20 | 23 | 19 | -10 | -15 | 5 | -5 | 188 | 2 | 26 | | | | | |
| 16-44.0722-112.7942-2-15 | 0-118033 | -5 | -5 | -5 | 20 | -20 | 29 | 15 | -10 | -15 | 10 | -5 | 188 | 2 | 31 | | | | | |
| 16-44.0722-112.8178-2-15 | 0-118034 | -5 | -5 | -5 | 19 | -20 | -15 | 18 | -10 | -15 | 8 | -5 | 247 | 2 | 36 | | | | | |
| 16-44.0731-112.8242-2-15 | 0-118035 | -5 | -5 | -5 | 37 | -20 | 29 | 22 | -10 | -15 | 8 | -5 | 217 | 2 | 40 | | | | | |
| 16-44.0860-112.8514-2-15 | 0-118036 | -5 | -5 | -5 | 27 | -20 | 24 | 25 | -10 | -15 | 7 | -5 | 193 | 1 | 42 | | | | | |
| 16-44.1003-112.8425-2-15 | 0-118037 | -5 | -5 | -5 | 35 | -20 | 26 | 18 | -10 | -15 | 6 | -5 | 146 | 1 | 39 | | | | | |
| 16-44.1028-112.8228-2-15 | 0-118038 | -5 | -5 | -5 | 22 | -20 | -15 | 17 | -10 | -15 | -5 | -5 | 166 | 1 | 31 | | | | | |
| 16-44.1153-112.8094-2-15 | 0-118039 | -5 | -5 | -5 | 22 | -20 | 38 | 14 | -10 | -15 | 8 | -5 | 162 | 2 | 34 | | | | | |
| 16-44.1350-112.8464-2-15 | 0-118040 | -5 | -5 | -5 | 19 | -20 | 40 | 34 | -10 | -15 | 6 | -5 | 169 | -1 | 27 | | | | | |
| 16-44.1347-112.8447-2-15 | 0-118041 | -5 | -5 | -5 | 23 | -20 | 47 | 24 | -10 | -15 | 5 | -5 | 156 | -1 | 35 | | | | | |
| 16-44.1386-112.8893-2-15 | 0-118042 | -5 | -5 | 6 | 26 | -20 | -15 | 13 | -10 | -15 | 18 | -5 | 116 | 1 | 16 | | | | | |
| 16-44.1639-112.9061-2-15 | 0-118043 | -5 | -5 | -5 | 30 | -20 | 25 | 16 | -10 | -15 | -5 | -5 | 176 | -1 | 29 | | | | | |
| 16-44.2406-112.9525-2-15 | 0-118044 | -5 | -5 | -5 | 29 | -20 | -15 | 28 | -10 | -15 | 7 | -5 | 165 | 2 | 44 | | | | | |
| 16-44.1467-112.8558-2-12 | 0-118045 | -5 | -5 | -5 | 29 | -20 | 28 | 19 | -10 | -15 | -5 | -5 | 172 | 2 | 39 | | | | | |
| 16-44.1925-112.8003-2-15 | 0-118047 | -5 | -5 | 6 | 21 | -20 | 22 | 14 | -10 | -15 | 9 | -5 | 213 | -1 | 51 | | | | | |
| 16-44.2278-112.8083-2-11 | 0-118048 | -5 | -5 | -5 | 16 | -20 | -15 | 16 | -10 | -15 | -5 | -5 | 209 | 1 | 28 | | | | | |
| 16-44.2197-112.8408-2-12 | 0-118049 | -5 | -5 | -5 | 33 | -20 | 19 | 9 | -10 | -15 | 7 | -5 | 154 | -1 | 33 | | | | | |
| 16-44.2200-112.8597-2-15 | 0-118050 | -5 | -5 | -5 | 32 | -20 | 29 | 11 | -10 | -15 | 18 | -5 | 203 | 3 | 38 | | | | | |
| 16-44.2286-112.8558-2-15 | 0-118052 | -5 | -5 | -5 | -10 | -20 | 22 | 18 | -10 | -15 | 7 | -5 | 275 | 2 | 32 | | | | | |
| 16-44.2383-112.7428-2-11 | 0-118053 | -5 | -5 | -5 | 13 | -20 | 18 | 13 | -10 | -15 | -5 | -5 | 241 | 2 | 29 | | | | | |
| 16-44.1050-112.7025-2-11 | 0-118054 | -5 | -5 | -5 | 17 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 144 | 1 | 12 | | | | | |
| 16-44.2017-112.7081-2-11 | 0-118055 | -5 | -5 | -5 | 25 | -20 | 37 | 19 | -10 | -15 | 8 | -5 | 196 | -1 | 68 | | | | | |
| 16-44.1778-112.8542-2-15 | 0-118056 | -5 | -5 | -5 | 25 | -20 | 18 | 19 | -10 | -15 | 8 | -5 | 207 | -1 | 44 | | | | | |
| 16-44.1783-112.8519-2-15 | 0-118057 | -5 | -5 | 8 | 24 | 32 | 30 | 15 | -10 | -15 | -5 | -5 | 217 | 2 | 47 | | | | | |
| 16-44.1275-112.8553-2-15 | 0-118058 | -5 | -5 | 9 | 24 | -20 | 47 | 15 | -10 | -15 | 5 | -5 | 188 | -1 | 45 | | | | | |
| 16-44.6603-113.2461-2-12 | 0-118059 | -5 | -5 | -5 | 22 | -20 | 20 | 8 | -10 | -15 | 8 | -5 | 229 | 2 | 36 | | | | | |
| 16-44.6732-113.2208-2-15 | 0-118060 | -5 | -5 | 7 | 23 | 21 | 18 | 19 | -10 | -15 | 15 | -5 | 242 | 2 | 47 | | | | | |
| 16-44.6789-113.1669-2-15 | 0-118061 | -5 | -5 | -5 | 37 | -20 | 15 | 14 | -10 | -15 | 7 | -5 | 163 | -1 | 45 | | | | | |
| 16-44.6697-113.1464-2-15 | 0-118062 | -5 | -5 | 7 | 18 | -20 | 27 | 7 | -10 | -15 | 8 | -5 | 203 | -1 | 28 | | | | | |
| 16-44.6769-113.1189-2-12 | 0-118063 | -5 | -5 | 9 | 20 | -20 | 26 | 15 | -10 | -15 | 35 | -5 | 207 | -1 | 25 | | | | | |
| 16-44.6578-113.1056-2-12 | 0-118064 | -5 | -5 | -5 | 20 | -20 | -15 | 15 | -10 | -15 | 5 | -5 | 143 | 1 | 26 | | | | | |
| 16-44.6586-113.1028-2-12 | 0-118065 | -5 | -5 | -5 | 22 | -20 | 47 | 12 | -10 | -15 | 17 | 14 | 162 | 2 | 24 | | | | | |
| 16-44.6636-113.1017-2-12 | 0-118066 | -5 | -5 | 8 | 51 | -20 | 26 | 16 | -10 | -15 | 8 | -5 | 188 | 1 | 34 | | | | | |
| 16-44.6714-113.1086-2-12 | 0-118067 | -5 | -5 | 5 | 34 | -20 | -15 | 7 | -10 | -15 | 19 | -5 | 235 | 2 | 29 | | | | | |
| 16-44.6928-113.1503-2-12 | 0-118068 | -5 | -5 | -5 | 34 | -20 | 37 | 10 | -10 | -15 | 11 | -5 | 148 | 2 | 16 | | | | | |
| 16-44.6956-113.1461-2-12 | 0-118069 | -5 | -5 | -5 | 51 | -20 | 55 | 8 | -10 | -15 | 14 | -5 | 195 | 2 | 28 | | | | | |
| 16-44.6942-113.1486-2-12 | 0-118070 | -5 | -5 | 8 | 39 | -20 | 27 | 10 | -10 | -15 | 15 | -5 | 197 | -1 | 26 | | | | | |
| 16-44.7083-113.1497-2-12 | 0-118071 | -5 | -5 | 0 | 30 | -20 | 44 | 5 | -10 | -15 | 21 | -5 | 330 | -1 | 27 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|--|---|------|-----|------|----|-----|-------|------|-------|-----|------|----|----|---|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La |
| 16-44.0956-112.8911-2-15- | 0-118019 | 54440 | -0.16 | 645 | 13150 | 61 | -73 | 7.8 | 80 | 4.9 | 5 | 1.3 | 25660 | 8.5 | 20840 | -17 | 0.4 | | | | |
| 16-44.0925-112.8756-2-12- | 0-118019 | 25620 | -0.16 | 454 | 156600 | 41 | 157 | 3.2 | 55 | 4.8 | 3 | 0.8 | 10030 | 3.6 | 8822 | -20 | 0.2 | | | | |
| 16-44.1681-112.9186-2-15- | 0-118020 | 43200 | -0.17 | 424 | 39940 | 58 | 135 | 9.8 | 93 | 3.1 | 4 | 1.1 | 23360 | 5.8 | 14220 | -19 | 0.4 | | | | |
| 16-44.1817-112.9253-2-15- | 0-118022 | 49820 | -0.15 | 559 | 47760 | 72 | 131 | 7.1 | 63 | 4.2 | 5 | 1.4 | 24710 | 10.9 | 21320 | -15 | 0.4 | | | | |
| 16-44.1947-112.9461-2-12- | 0-118023 | 39250 | -0.12 | 393 | 197100 | 24 | -69 | 3.2 | 39 | 2.7 | 2 | 0.4 | 8387 | 2.5 | 5851 | -16 | 0.2 | | | | |
| 16-44.0147-112.7531-2-12- | 0-118024 | 33910 | -0.18 | 440 | 122900 | 57 | -85 | 6.2 | 64 | 3.6 | 4 | 1.0 | 17670 | 6.8 | 10560 | -21 | 0.3 | | | | |
| 16-44.0494-112.8625-2-15- | 0-118025 | 54500 | -0.18 | 505 | 29370 | 60 | -93 | 8.9 | 78 | 4.5 | 6 | 1.4 | 27270 | 8.2 | 18320 | 44 | 0.4 | | | | |
| 16-44.0528-112.8597-2-12- | 0-118026 | 26960 | -0.12 | 422 | 153500 | 47 | 134 | 4.1 | 30 | 5.6 | 3 | 1.1 | 12710 | 8.1 | 7477 | -16 | -0.1 | | | | |
| 16-44.0494-112.8678-2-15- | 0-118027 | 49510 | -0.17 | 697 | 30250 | 58 | -75 | 7.5 | 70 | 5.3 | 5 | 1.1 | 22790 | 7.9 | 17810 | -20 | 0.4 | | | | |
| 16-44.0275-112.8825-2-15- | 0-118028 | 46260 | -0.19 | 516 | 40000 | 70 | -82 | 7.3 | 68 | 5.3 | 4 | 1.4 | 23000 | 9.5 | 10880 | -18 | 0.3 | | | | |
| 16-44.0194-112.8808-2-15- | 0-118029 | 55630 | -0.18 | 641 | 21140 | 66 | -89 | 9.2 | 71 | 4.9 | 6 | 1.4 | 27090 | 8.9 | 17890 | 60 | 0.4 | | | | |
| 16-44.0092-112.8797-2-15- | 0-118030 | 51350 | -0.17 | 645 | 45270 | 59 | -80 | 7.7 | 71 | 5.3 | 4 | 1.3 | 24640 | 8.1 | 19050 | -16 | 0.3 | | | | |
| 16-44.0011-112.8314-2-15- | 0-118031 | 27810 | -0.13 | 409 | 138800 | 46 | -65 | 4.8 | 78 | 6.3 | 4 | 0.9 | 13170 | 6.0 | 8851 | -18 | 0.3 | | | | |
| 16-44.0731-112.7956-2-15- | 0-118032 | 40620 | -0.18 | 451 | 85030 | 60 | -82 | 7.2 | 73 | 3.7 | 3 | 1.2 | 20050 | 8.4 | 12310 | 27 | 0.3 | | | | |
| 16-44.0722-112.7642-2-15- | 0-118033 | 42640 | -0.15 | 517 | 76470 | 54 | -82 | 7.3 | 72 | 4.2 | 5 | 1.0 | 22460 | 8.7 | 16970 | -15 | 0.3 | | | | |
| 16-44.0722-112.8178-2-15- | 0-118034 | 49460 | -0.15 | 530 | 40160 | 71 | -72 | 8.2 | 87 | 5.2 | 5 | 1.3 | 27530 | 11.8 | 18160 | 46 | 0.5 | | | | |
| 16-44.0731-112.8242-2-15- | 0-118035 | 51180 | -0.16 | 646 | 40160 | 64 | -76 | 7.6 | 74 | 3.6 | 5 | 1.2 | 24630 | 8.2 | 17620 | -19 | 0.3 | | | | |
| 16-44.0869-112.8514-2-15- | 0-118036 | 53010 | -0.20 | 515 | 29840 | 77 | -90 | 8.2 | 83 | 4.9 | 4 | 1.5 | 28400 | 9.5 | 19740 | 50 | 0.4 | | | | |
| 16-44.1003-112.8425-2-15- | 0-118037 | 55400 | -0.19 | 683 | 49080 | 57 | -95 | 9.6 | 79 | 6.0 | 6 | 1.3 | 27400 | 6.2 | 17080 | 52 | 0.3 | | | | |
| 16-44.1028-112.8229-2-15- | 0-118038 | 49470 | -0.15 | 524 | 61520 | 64 | -79 | 7.8 | 63 | 4.6 | 4 | 1.4 | 24150 | 7.4 | 16740 | -17 | 0.3 | | | | |
| 16-44.1153-112.8094-2-15- | 0-118039 | 51400 | -0.18 | 340 | 54880 | 51 | -69 | 8.4 | 99 | 4.1 | 5 | 1.2 | 22620 | 6.5 | 18070 | -20 | 0.3 | | | | |
| 16-44.1350-112.8444-2-15- | 0-118040 | 43250 | -0.10 | 582 | 71410 | 59 | 83 | 7.1 | 59 | 4.0 | 4 | 1.3 | 21190 | 7.7 | 13650 | 29 | 0.3 | | | | |
| 16-44.1347-112.8447-2-15- | 0-118041 | 44440 | -0.09 | 567 | 68730 | 52 | -64 | 7.1 | 65 | 4.4 | 4 | 1.1 | 22630 | 6.8 | 18160 | 27 | 0.3 | | | | |
| 16-44.1386-112.8683-2-15- | 0-118042 | 24840 | -0.07 | 361 | 79230 | 34 | 210 | 4.1 | 44 | 2.8 | 2 | 0.8 | 13890 | 4.5 | 17270 | -7 | 0.2 | | | | |
| 16-44.1639-112.9061-2-15- | 0-118043 | 39550 | -0.08 | 363 | 69380 | 44 | 196 | 6.1 | 56 | 3.0 | 4 | 1.0 | 18090 | 6.9 | 13300 | 26 | 0.2 | | | | |
| 16-44.2406-112.9525-2-15- | 0-118044 | 67500 | -0.11 | 750 | 25260 | 71 | -89 | 7.6 | 60 | 5.8 | 5 | 1.4 | 26130 | 7.1 | 23180 | 39 | 0.3 | | | | |
| 16-44.1467-112.8585-2-12- | 0-118045 | 56350 | -0.10 | 641 | 36080 | 65 | -69 | 6.9 | 76 | 9.4 | 5 | 1.4 | 25520 | 6.4 | 19370 | 38 | 0.4 | | | | |
| 16-44.1925-112.8603-2-15- | 0-118047 | 52000 | -0.08 | 553 | 39850 | 76 | -85 | 7.6 | 54 | 6.8 | 5 | 1.5 | 23610 | 9.8 | 20000 | 31 | 0.4 | | | | |
| 16-44.2278-112.8682-2-11- | 0-118049 | 47000 | -0.10 | 721 | 53740 | 57 | 253 | 6.8 | 54 | 4.8 | 5 | 1.3 | 21310 | 8.1 | 16130 | 35 | 0.3 | | | | |
| 16-44.2197-112.8408-2-12- | 0-118049 | 35280 | -0.10 | 600 | 144000 | 61 | -78 | 5.3 | 48 | 4.4 | 4 | 1.2 | 15880 | 6.7 | 13730 | 30 | 0.2 | | | | |
| 16-44.2200-112.8597-2-15- | 0-118050 | 52210 | -0.11 | 747 | 26930 | 67 | -80 | 8.7 | 76 | 4.7 | 5 | 1.4 | 24970 | 7.3 | 18380 | 32 | 0.4 | | | | |
| 16-44.2286-112.8658-2-15- | 0-118052 | 48740 | -0.08 | 531 | 9663 | 78 | -83 | 8.2 | 74 | 5.3 | 4 | 1.4 | 23250 | 11.9 | 15200 | 41 | 0.5 | | | | |
| 16-44.2383-112.7428-2-11- | 0-118053 | 45740 | -0.10 | 265 | 9663 | 60 | -61 | 6.6 | 71 | 2.7 | 5 | 0.9 | 16310 | 10.6 | 16820 | 34 | 0.3 | | | | |
| 16-44.1950-112.7025-2-11- | 0-118054 | 32430 | -0.11 | 251 | 26140 | 52 | -62 | 4.1 | 60 | 2.4 | 4 | 0.9 | 15250 | 7.2 | 14210 | -7 | 0.3 | | | | |
| 16-44.2017-112.7081-2-11- | 0-118055 | 60810 | -0.12 | 413 | 14870 | 78 | -78 | 12.7 | 103 | 4.3 | 6 | 1.3 | 28290 | 6.9 | 15740 | 42 | 0.4 | | | | |
| 16-44.1778-112.8542-2-15- | 0-118056 | 51870 | -0.09 | 441 | 18570 | 86 | -91 | 9.7 | 72 | 6.1 | 4 | 1.6 | 28090 | 10.2 | 17120 | 48 | 0.3 | | | | |
| 16-44.1782-112.8510-2-15- | 0-118057 | 51640 | -0.09 | 617 | 15620 | 73 | -82 | 7.5 | 71 | 4.8 | 5 | 1.2 | 23100 | 10.8 | 15300 | 46 | 0.4 | | | | |
| 16-44.1775-112.8553-2-15- | 0-118058 | 40640 | -0.09 | 423 | 105300 | 61 | -61 | 7.0 | 85 | 3.6 | 5 | 1.2 | 20340 | 7.9 | 17890 | 39 | 0.3 | | | | |
| 16-44.6603-113.2461-2-12- | 0-118059 | 54670 | -0.11 | 678 | 21260 | 66 | -91 | 9.3 | 97 | 5.2 | 5 | 1.3 | 26200 | 9.5 | 18440 | 36 | 0.4 | | | | |
| 16-44.6733-113.2208-2-15- | 0-118060 | 49690 | -0.09 | 497 | 18080 | 71 | -100 | 7.4 | 97 | 6.2 | 5 | 1.4 | 22950 | 12.6 | 13700 | 46 | 0.4 | | | | |
| 16-44.6789-113.1669-2-15- | 0-118061 | 57190 | -0.12 | 632 | 17610 | 67 | -157 | 12.6 | 52 | 5.4 | 6 | 1.6 | 29330 | 6.2 | 20220 | 36 | 0.4 | | | | |
| 16-44.6697-113.1464-2-15- | 0-118062 | 26080 | -0.12 | 539 | 110600 | 63 | -102 | 4.9 | 71 | 3.4 | 5 | 0.9 | 17150 | 9.0 | 14330 | 32 | 0.4 | | | | |
| 16-44.6769-113.1189-2-12- | 0-118063 | 58990 | -0.12 | 951 | 24830 | 69 | -82 | 11.0 | 81 | 12.4 | 5 | 1.7 | 27610 | 7.8 | 21010 | 40 | 0.3 | | | | |
| 16-44.6578-113.1056-2-12- | 0-118064 | 46060 | -0.10 | 432 | 31210 | 61 | -95 | 8.8 | 62 | 5.6 | 3 | 1.2 | 24930 | 6.9 | 17560 | 34 | 0.3 | | | | |
| 16-44.6586-113.1028-2-12- | 0-118065 | 47160 | -0.12 | 593 | 21430 | 47 | 105 | 7.8 | 85 | 5.1 | 5 | 1.2 | 19260 | 5.4 | 13860 | -10 | 0.4 | | | | |
| 16-44.6636-113.1017-2-12- | 0-118066 | 69510 | -0.13 | 1070 | 19550 | 85 | -95 | 12.4 | 67 | 6.5 | 5 | 1.7 | 31620 | 6.8 | 20840 | 46 | 0.4 | | | | |
| 16-44.6714-113.1086-2-12- | 0-118067 | 68020 | -0.10 | 1502 | 21750 | 87 | -91 | 6.6 | 50 | 8.9 | 5 | 1.0 | 21050 | 10.8 | 23310 | 47 | 0.3 | | | | |
| 16-44.6928-113.1503-2-12- | 0-118068 | 58810 | -0.13 | 711 | 27240 | 75 | -122 | 19.0 | 274 | 9.3 | 2 | 1.8 | 38960 | 5.9 | 12930 | 32 | -0.1 | | | | |
| 16-44.6956-113.1451-2-12- | 0-118069 | 64290 | -0.13 | 1166 | 21880 | 74 | -104 | 17.2 | 257 | 10.5 | 7 | 2.0 | 33990 | 7.5 | 23070 | 51 | 0.4 | | | | |
| 16-44.6942-113.1436-2-12- | 0-118070 | 62090 | -0.14 | 912 | 22980 | 90 | -90 | 11.7 | 176 | 10.0 | 5 | 1.6 | 29810 | 8.2 | 17640 | 36 | 0.4 | | | | |
| 16-44.7082-113.1497-2-12- | 0-118071 | 62880 | -0.12 | 919 | 24090 | 84 | 137 | 15.2 | 302 | 11.1 | 5 | 1.9 | 34690 | 14.3 | 17960 | 54 | 0.4 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------------|---|------|------|----|----|------|------|-----|------|-----|-------|----|---|----|---------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | |
| 16-44.0954-112.8511-2-15- | 0-118018 | 8581 | 840 | 7748 | -25 | -4 | 6.5 | 6.8 | -246 | -1 | -1 | 11.0 | 3464 | 71 | -2.0 | 171 | 0.273 | | | | |
| 16-44.0975-112.8754-2-12- | 0-118019 | 12260 | 342 | 4122 | -25 | -4 | 3.9 | 2.9 | -194 | -1 | -1 | 5.5 | 1692 | 40 | -2.0 | -28 | 0.436 | | | | |
| 16-44.1681-112.9166-2-15- | 0-118020 | 12780 | 445 | 6550 | 69 | -4 | 7.5 | 4.0 | -197 | -1 | -1 | 8.3 | 2655 | 55 | -2.1 | 115 | 0.337 | | | | |
| 16-44.1817-112.9252-2-15- | 0-118021 | 9712 | 721 | 7998 | 74 | -4 | 8.5 | 9.4 | -257 | -1 | -1 | 10.5 | 2830 | 58 | 3.0 | 129 | 0.276 | | | | |
| 16-44.1947-112.9461-2-12- | 0-118022 | 29300 | 276 | 2622 | -22 | -3 | 3.1 | 3.3 | 490 | -1 | -1 | 3.7 | 1507 | 42 | -1.7 | 74 | 0.703 | | | | |
| 16-44.0147-112.7531-2-12- | 0-118024 | 14160 | 440 | 4909 | -27 | -4 | 5.8 | 4.7 | -211 | -1 | -1 | 6.9 | 2042 | 56 | -2.4 | 49 | 0.406 | | | | |
| 16-44.0494-112.8825-2-15- | 0-118025 | 12830 | 799 | 8311 | 64 | -4 | 9.0 | 5.9 | -249 | -1 | -1 | 10.3 | 3678 | 78 | -2.2 | 183 | 0.291 | | | | |
| 16-44.0528-112.8597-2-12- | 0-118026 | 16270 | 338 | 4467 | 48 | -3 | 5.0 | 6.3 | -230 | -1 | -1 | 6.5 | 1838 | 51 | -1.8 | 116 | 0.400 | | | | |
| 16-44.0494-112.8878-2-15- | 0-118027 | 12740 | 740 | 6737 | 60 | -4 | 8.0 | 5.1 | -255 | -1 | -1 | 9.8 | 3102 | 74 | -2.1 | 179 | 0.306 | | | | |
| 16-44.0275-112.8825-2-15- | 0-118028 | 16770 | 661 | 6795 | 60 | -4 | 7.7 | -2.3 | -232 | -1 | -1 | 8.7 | 2742 | 70 | 3.2 | 135 | 0.356 | | | | |
| 16-44.0194-112.8808-2-15- | 0-118029 | 12810 | 783 | 7597 | 88 | -4 | 9.2 | 5.1 | -248 | -1 | -1 | 11.7 | 2625 | 72 | 3.4 | 210 | 0.248 | | | | |
| 16-44.0092-112.8797-2-15- | 0-118030 | 20400 | 724 | 6841 | 53 | -4 | 8.3 | 7.0 | -277 | -1 | -1 | 9.1 | 2777 | 63 | -2.1 | 197 | 0.319 | | | | |
| 16-44.0011-112.8314-2-15- | 0-118031 | 16290 | 391 | 3546 | 54 | -3 | 4.9 | 4.1 | -186 | -1 | -1 | 6.1 | 2117 | 52 | -1.7 | 120 | 0.410 | | | | |
| 16-44.0731-112.7956-2-15- | 0-118032 | 13180 | 496 | 6111 | 42 | -4 | 6.9 | 4.4 | -205 | -1 | -1 | 8.8 | 2607 | 79 | 3.5 | 150 | 0.330 | | | | |
| 16-44.0722-112.7942-2-15- | 0-118033 | 13670 | 515 | 6602 | 61 | -4 | 7.1 | 4.0 | -200 | -1 | -1 | 8.4 | 2951 | 77 | -2.3 | 146 | 0.369 | | | | |
| 16-44.0722-112.8178-2-15- | 0-118034 | 12440 | 675 | 7628 | 68 | -4 | 9.3 | 10.1 | -231 | -1 | -1 | 10.6 | 3436 | 83 | 5.1 | 161 | 0.292 | | | | |
| 16-44.0731-112.8242-2-15- | 0-118035 | 16330 | 751 | 7589 | 79 | -4 | 8.2 | 5.5 | -246 | -1 | -1 | 10.2 | 3524 | 74 | -2.2 | 158 | 0.294 | | | | |
| 16-44.0849-112.8514-2-15- | 0-118036 | 13190 | 825 | 8199 | 96 | -4 | 9.0 | 9.0 | -252 | -1 | -1 | 11.2 | 3300 | 76 | 4.3 | 128 | 0.268 | | | | |
| 16-44.1003-112.8425-2-15- | 0-118037 | 11610 | 734 | 8454 | 70 | -4 | 9.2 | 7.2 | -238 | -1 | -1 | 10.8 | 2777 | 74 | 3.8 | 216 | 0.259 | | | | |
| 16-44.1028-112.8328-2-15- | 0-118038 | 16220 | 640 | 7726 | 65 | -4 | 8.3 | 9.1 | -250 | -1 | -1 | 9.5 | 2625 | 76 | 2.8 | 132 | 0.295 | | | | |
| 16-44.1153-112.8094-2-15- | 0-118039 | 8441 | 551 | 5280 | 69 | -4 | 8.9 | 5.3 | -224 | -1 | -1 | 8.6 | 3118 | 125 | -2.1 | 164 | 0.419 | | | | |
| 16-44.1350-112.8464-2-15- | 0-118040 | 16980 | 795 | 5570 | 83 | -2 | 6.3 | 4.1 | -260 | -1 | -1 | 9.0 | 2026 | 75 | 3.4 | -77 | 0.322 | | | | |
| 16-44.1347-112.8447-2-15- | 0-118041 | 14010 | 682 | 5316 | 79 | -2 | 7.1 | 4.4 | -208 | -1 | -1 | 8.4 | 2324 | 94 | 2.3 | 174 | 0.345 | | | | |
| 16-44.1386-112.8883-2-15- | 0-118042 | 8503 | 398 | 3383 | 32 | -2 | 4.4 | 2.9 | -196 | -1 | -1 | 5.2 | 1211 | 42 | 1.6 | 84 | 0.385 | | | | |
| 16-44.1639-112.9061-2-15- | 0-118043 | 7752 | 526 | 4745 | 63 | -2 | 6.2 | 4.6 | -196 | -1 | -1 | 7.2 | 2345 | 64 | 2.7 | 148 | 0.361 | | | | |
| 16-44.2406-112.9525-2-15- | 0-118044 | 11630 | 903 | 9679 | 69 | -3 | 9.0 | 5.3 | -291 | -1 | -1 | 9.2 | 2854 | 69 | -2.2 | 190 | 0.293 | | | | |
| 16-44.1467-112.5858-2-12- | 0-118045 | 14740 | 388 | 6845 | 75 | -2 | 9.0 | 6.0 | 209 | -1 | -1 | 10.6 | 3453 | 62 | -1.7 | 171 | 0.264 | | | | |
| 16-44.1925-112.6603-2-15- | 0-118047 | 7428 | 629 | 7751 | 77 | -2 | 8.6 | 8.2 | -220 | -1 | -1 | 12.1 | 3284 | 56 | -1.4 | 70 | 0.256 | | | | |
| 16-44.2278-112.6083-2-11- | 0-118048 | 8095 | 438 | 8317 | -27 | -2 | 6.9 | 4.6 | -213 | -1 | -1 | 9.6 | 2904 | 64 | -1.5 | 109 | 0.323 | | | | |
| 16-44.2197-112.6408-2-12- | 0-118049 | 9063 | 372 | 6313 | 54 | -2 | 5.1 | 4.4 | 462 | -1 | -1 | 6.9 | 2406 | 52 | 2.3 | -68 | 0.362 | | | | |
| 16-44.2200-112.6597-2-15- | 0-118050 | 8587 | 650 | 8387 | 44 | -2 | 8.6 | 5.7 | -248 | -1 | -1 | 10.0 | 3495 | 70 | 2.9 | 146 | 0.270 | | | | |
| 16-44.2286-112.6958-2-15- | 0-118052 | 5996 | 667 | 7743 | 70 | -2 | 8.1 | 8.1 | -226 | -1 | -1 | 13.7 | 2599 | 59 | 4.1 | 126 | 0.255 | | | | |
| 16-44.2383-112.7428-2-11- | 0-118053 | 4100 | 142 | 4012 | -26 | -2 | 8.2 | 4.9 | -136 | -1 | -1 | 9.8 | 3234 | 82 | 3.4 | 111 | 0.306 | | | | |
| 16-44.1950-112.7025-2-11- | 0-118054 | 4347 | 392 | 3768 | -24 | -2 | 5.2 | 3.9 | -210 | -1 | -1 | 6.9 | 1840 | 49 | -1.6 | 171 | 0.333 | | | | |
| 16-44.2017-112.7081-2-11- | 0-118055 | 4374 | 1019 | 5872 | 72 | -3 | 11.3 | 6.7 | -305 | -1 | -1 | 11.9 | 3762 | 121 | 4.2 | 135 | 0.319 | | | | |
| 16-44.1778-112.6542-2-15- | 0-118056 | 8126 | 738 | 8731 | 89 | -2 | 9.3 | 8.5 | -243 | -1 | -1 | 14.4 | 2284 | 63 | -1.8 | 137 | 0.208 | | | | |
| 16-44.1783-112.6516-2-15- | 0-118057 | 7777 | 625 | 8402 | 77 | -2 | 8.1 | 5.7 | -213 | -1 | -1 | 11.4 | 2862 | 68 | 3.4 | 185 | 0.272 | | | | |
| 16-44.1275-112.5952-2-15- | 0-118059 | 10100 | 356 | 4766 | 65 | -2 | 6.8 | 4.7 | -179 | -1 | -1 | 9.2 | 2534 | 88 | 3.4 | 144 | 0.326 | | | | |
| 16-44.4603-113.2461-2-12- | 0-118059 | 8032 | 1119 | 8932 | 55 | -3 | 8.7 | 4.5 | -325 | -1 | -1 | 11.3 | 2702 | 66 | 2.7 | 160 | 0.301 | | | | |
| 16-44.6733-113.2208-2-15- | 0-118060 | 10830 | 1036 | 8292 | 65 | -2 | 8.8 | 7.8 | -297 | -1 | -1 | 9.6 | 2922 | 51 | 3.5 | 193 | 0.448 | | | | |
| 16-44.6789-112.1669-2-15- | 0-118061 | 7135 | 2757 | 10110 | -33 | -3 | 11.5 | 5.0 | -494 | -1 | -1 | 11.9 | 2906 | 73 | 4.5 | 167 | 0.269 | | | | |
| 16-44.6697-113.1464-2-15- | 0-118062 | 7405 | 1379 | 5562 | -28 | -3 | 6.8 | 4.7 | -388 | -1 | -1 | 10.2 | 2075 | 48 | -2.4 | 141 | 0.353 | | | | |
| 16-44.6769-113.1189-2-12- | 0-118063 | 7064 | 431 | 9751 | 74 | -3 | 8.9 | 6.1 | -226 | -1 | -1 | 10.3 | 3112 | 81 | 3.1 | -76 | 0.485 | | | | |
| 16-44.6578-113.1056-2-12- | 0-118064 | 10350 | 614 | 7144 | 85 | -3 | 8.9 | 7.4 | -263 | -1 | -1 | 8.8 | 1858 | 56 | 2.5 | 83 | 0.352 | | | | |
| 16-44.6584-113.1028-2-12- | 0-118065 | 8270 | 432 | 5572 | 52 | -3 | 7.2 | 4.8 | -236 | -2 | -1 | 7.7 | 2091 | 74 | 2.6 | 156 | 1.532 | | | | |
| 16-44.6636-113.1017-2-12- | 0-118066 | 7516 | 772 | 12970 | 76 | -3 | 10.3 | 6.8 | 625 | -1 | -1 | 13.7 | 3796 | 72 | 3.6 | 76 | 0.686 | | | | |
| 16-44.6714-113.1086-2-12- | 0-118067 | 7777 | 466 | 13910 | 96 | -2 | 7.0 | 5.8 | 571 | -1 | -1 | 14.2 | 3012 | 45 | 3.7 | 71 | 0.444 | | | | |
| 16-44.6928-113.1502-2-12- | 0-118068 | 11570 | 647 | 13040 | 111 | -3 | 14.2 | 7.0 | -285 | -2 | -1 | 9.7 | 3517 | 96 | -2.2 | -94 | 0.258 | | | | |
| 16-44.6956-113.1461-2-12- | 0-118069 | 10110 | 736 | 9730 | 90 | -3 | 13.3 | 8.8 | -267 | -1 | -1 | 12.7 | 3705 | 95 | -2.0 | 108 | 0.953 | | | | |
| 16-44.6942-113.1486-2-12- | 0-118070 | 10050 | 827 | 11790 | 98 | -3 | 10.5 | 6.7 | -305 | -1 | -1 | 10.7 | 3071 | 84 | -2.3 | 143 | 0.402 | | | | |
| 16-44.7083-113.1497-2-12- | 0-118071 | 9527 | 757 | 12290 | 109 | -3 | 12.2 | 6.4 | 323 | -1 | -1 | 12.6 | 4462 | 98 | -1.9 | 91 | 0.302 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

①

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | |
|---------------------------|-----------------------|------------|---------|-------------|---------|--|-------------------|------------|-----------------|-------------------|--------------|----------------------|----|------------------------|---------------|-----------|------------|---------------|----------------|------------|-------------|-------------|-----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|--------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | PH/FATF | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | TEMPERATURES | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SOUNDING (ft) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COT/P | 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 | MO/HR | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44.6789-113.1572-2-12- | 0-119972-06/26/79-16- | 30-16.4- | - | - | 9.4- | 226- | 5-2-6-3-6-3-3-1- | 2-4-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.30 | | |
| 16-44.6747-113.1556-2-12- | 0-119973-06/26/79-16- | 30-12.7- | - | - | 9.4- | 238- | 16-2-6-3-6-3-3-1- | 2-1-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.40 | | |
| 16-44.6104-113.1759-2-12- | 0-119974-06/26/79-16- | 28-11.9- | - | - | 9.0- | 76- | 12-2-6-2-6-3-3-1- | 2-4-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.20 | | |
| 16-44.5872-113.1554-2-15- | 0-119975-06/26/79-17- | 28- | - | - | - | - | 12-2-6-5-6- | -1- | 2-3-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | |
| 16-44.6106-113.1262-2-11- | 0-119975-06/26/79-17- | 27-21.4- | - | - | 9.3- | 586- | 9-2-6-5-6-3-3-1- | -1-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 16-44.6175-113.1299-2-11- | 0-119977-06/26/79-17- | 27-22.4- | - | - | 9.5- | 533- | 10-2-6-5-6-3-3-1- | -1-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | |
| 16-44.5789-113.1464-2-15- | 0-119978-06/26/79-18- | 26- | - | - | - | - | 14-2-6-5-6- | -1- | 2-4-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | |
| 16-44.5707-113.1164-2-12- | 0-119979-06/26/79-18- | 26-11.9- | - | - | 9.4- | 297- | 9-4-6-2-6-3-3-1- | 2-4-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | | |
| 16-44.5461-113.1239-2-12- | 0-119980-06/26/79-18- | 26-12.0- | - | - | 9.6- | 311- | 10-2-6-2-6-3-3-1- | 2-4-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 16-44.5150-113.0892-2-12- | 0-119981-06/26/79-19- | 26-14.6- | - | - | 9.5- | 187- | 9-4-6-3-6-3-3-1- | 2-4-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.90 | | | |
| 16-44.5094-113.0778-2-15- | 0-119982-06/26/79-19- | 25- | - | - | - | - | 6-2-6-5-6- | -1- | 2-4-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 16-44.5033-113.0681-2-15- | 0-119983-06/26/79-20- | 25- | - | - | - | - | 12-2-6-5-6- | -1- | 2-3-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 16-44.5011-113.1894-2-12- | 0-119984-06/26/79-20- | 25-16.7- | - | - | 9.1- | 67- | 18-1-6-2-6-3-3-1- | 2-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8.70 | | |
| 16-44.5428-113.2478-2-12- | 0-119985-06/26/79-21- | 24-15.8- | - | - | 8.6- | 286- | 8-1-6-2-6-3-3-1- | 2-4-3-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | |
| 16-44.6578-113.5044-2-12- | 0-119986-06/26/79-12- | 20-9.4- | - | - | 8.7- | 19- | 8-1-6-2-6-4-3-1- | 2-2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.60 | | |
| 16-44.6436-113.5264-2-12- | 0-119987-06/26/79-12- | 22-7.8-C- | - | - | 7.4- | 1- | 6-1-6-2-6-3-3-1- | 2-1-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16.20 | | |
| 16-44.6367-113.5544-2-12- | 0-119988-06/26/79-13- | 20-11.5- | - | - | 7.9- | 9- | 4-1-6-2-3-4-3-1- | 2-1-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.70 | | |
| 16-44.6361-113.5508-2-12- | 0-119989-06/26/79-13- | 24-11.4- | - | - | 7.9- | 24- | 8-2-6-3-1-3-3-1- | 2-1-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12.80 | | |
| 16-44.6078-113.5738-2-12- | 0-119990-06/26/79-13- | 25-6.9- | - | - | 8.7- | 11- | 6-2-6-6-3-3-1- | 2-1-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.90 | | |
| 16-44.6054-113.5742-2-12- | 0-119991-06/26/79-13- | 26-8.2- | - | - | 8.6- | 18- | 9-2-6-3-1-3-3-1- | 2-1-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.80 | | |
| 16-44.5925-113.5738-2-12- | 0-119992-06/26/79-14- | 26-10.7- | - | - | 8.2- | 21- | 6-2-6-2-3-3-3-1- | 2-1-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.90 | | |
| 16-44.6647-113.5329-2-12- | 0-119993-06/26/79-15- | 27-12.4- | - | - | 9.0- | 68- | 5-2-6-2-3-3-3-1- | 2-2-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.90 | | |
| 16-44.6833-113.5336-2-12- | 0-119994-06/26/79-16- | 26-21.0- | - | - | 9.0- | 128- | 9-1-6-2-3-3-3-1- | 2-3-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | |
| 16-44.1514-112.7557-2-15- | 0-119995-06/25/79-17- | 24- | - | - | - | - | 8-2-1-4-6- | -1- | 2-4-4-4-4- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | |
| 16-44.1467-112.7639-2-15- | 0-119996-06/25/79-18- | 24- | - | - | - | - | 10-2-6-4-7- | -1- | 2-4-3-2-4- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | |
| 16-44.1361-112.6744-2-15- | 0-119997-06/25/79-19- | 23- | - | - | - | - | 7-2-6-4-6- | -1- | 2-4-3-2-4- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | |
| 16-44.1333-112.6761-2-15- | 0-119998-06/25/79-19- | 24- | - | - | - | - | 8-2-6-4-6- | -1- | 2-4-3-2-4- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | |
| 16-44.6300-113.3747-2-12- | 0-119999-06/26/79-11- | 26-17.6- | - | - | 8.4- | 498- | 7-1-1-6-8-3-3-1- | 2-4-3-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | |
| 16-44.6292-113.3286-2-12- | 0-119990-06/26/79-11- | 26-21.9- | - | - | 8.4- | 530- | 10-1-1-6-8-3-3-1- | 2-4-4-1-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 16-44.6689-113.3097-2-15- | 0-119991-06/26/79-13- | 26- | - | - | - | - | 10-1-1-6-7- | -1- | 2-4-4-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | |
| 16-44.6652-113.2166-2-12- | 0-119992-06/26/79-13- | 26-8.6- | - | - | 8.0- | 304- | 6-1-7-3-7-3-3-1- | 3-4-4-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | |
| 16-44.6733-113.2314-2-12- | 0-119993-06/26/79-13- | 26-17.0- | - | - | 8.0- | 391- | 6-1-1-6-7-3-3-1- | 2-4-4-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | | |
| 16-44.7358-113.2711-2-12- | 0-119994-06/26/79-14- | 26-5.5- | - | - | 8.3- | 255- | 8-2-7-3-6-3-3-1- | 2-4-4-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.20 | | |
| 16-44.7447-113.2708-2-15- | 0-119995-06/26/79-14- | 26- | - | - | - | - | 8-2-7-4-7- | -1- | 2-4-4-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | |
| 16-44.7097-113.2532-2-15- | 0-119996-06/26/79-14- | 26- | - | - | - | - | 2-2-6-4-6- | -1- | 2-4-2-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.90 | |
| 16-44.7081-113.2542-2-12- | 0-119997-06/26/79-14- | 26-14.9- | - | - | 8.4- | 249- | 12-1-6-4-6-3-3-1- | -4-4-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.40 | | |
| 16-44.7125-113.3392-2-15- | 0-119998-05/26/79-15- | 27- | - | - | - | - | 18-2-7-3-6- | -1- | 2-4-2-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | |
| 16-44.7153-113.3222-2-15- | 0-119999-06/26/79-15- | 27- | - | - | - | - | 14-2-7-4-1- | -1- | 2-3-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | |
| 16-44.7175-113.3225-2-15- | 0-119990-06/26/79-16- | 27- | - | - | - | - | 29-2-4-4-4- | -1- | -3-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | |
| 16-44.7217-113.3531-2-15- | 0-119991-06/26/79-16- | 27- | - | - | - | - | 9-2-4-4-4- | -1- | 2-3-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | |
| 16-44.6917-113.3636-2-12- | 0-119992-06/26/79-17- | 24-14.6-C- | - | - | 8.5- | 258- | 10-2-4-4-6-3-3-1- | -4-4-2-4- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.00 | | |
| 16-44.7231-113.4075-2-15- | 0-119993-06/26/79-17- | 26- | - | - | - | - | 12-1-4-4-4- | -1- | 2-4-4-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.90 | |
| 16-44.7411-113.4589-2-12- | 0-119994-06/26/79-18- | 25-12.9- | - | - | 8.1- | 322- | 8-2-1-4-8-3-3-1- | -4-3-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 16-44.7397-113.4619-2-12- | 0-119995-06/26/79-19- | 26-17.5-C- | - | - | 8.2- | 466- | 9-1-7-5-8-3-3-1- | -4-4-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | |
| 16-44.7367-113.4611-2-12- | 0-119996-06/26/79-19- | 26-20.6-C- | - | - | 8.5- | 329- | 5-1-1-5-8-3-3-1- | -4-4-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | |
| 16-44.6456-113.4753-2-12- | 0-119997-06/26/79-20- | 26-14.0- | - | - | 8.1- | 22- | 2-2-7-5-8-3-3-1- | -4-4-4-1- | -1- | - | - | - | - | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

②

| DOE SAMPLE NUMBER | | | | | | DOE LAB NUMBER LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|-----------------------------------|---|-----|-----|-----|----|----|------|----|----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.6780-113.1572-2-12- | 0-119072 | -5 | -5 | -5 | 47 | -20 | 59 | 9 | -10 | -15 | 11 | -5 | 225 | -1 | 26 | | | | | | |
| 16-44.6767-113.1556-2-12- | 0-119073 | -5 | -5 | -5 | 18 | -20 | -15 | -5 | -10 | -15 | 11 | 9 | 201 | 1 | 16 | | | | | | |
| 16-44.6194-113.1769-2-12- | 0-119074 | -5 | -5 | -5 | 33 | -20 | -15 | 7 | -10 | -15 | 11 | -5 | 361 | 2 | 32 | | | | | | |
| 16-44.5872-113.1564-2-15- | 0-119075 | -5 | -5 | -5 | 39 | -20 | -15 | 13 | -10 | -15 | 11 | -5 | 292 | -1 | 35 | | | | | | |
| 16-44.6106-113.1342-2-11- | 0-119076 | -5 | -5 | -5 | 17 | -20 | -15 | 9 | -10 | -15 | 5 | -5 | 189 | 1 | 43 | | | | | | |
| 16-44.6175-113.1289-2-11- | 0-119077 | -5 | -5 | -5 | 20 | -20 | 16 | 6 | -10 | -15 | 9 | -5 | 234 | 2 | 31 | | | | | | |
| 16-44.5789-113.1464-2-15- | 0-119078 | -5 | -5 | -5 | 25 | -20 | 33 | 14 | -10 | -15 | 6 | -5 | 228 | 1 | 49 | | | | | | |
| 16-44.5703-113.1164-2-12- | 0-119079 | -5 | -5 | -5 | 17 | -20 | 27 | 7 | -10 | -15 | -5 | -5 | 191 | 2 | 42 | | | | | | |
| 16-44.5461-113.1239-2-12- | 0-119080 | -5 | -5 | -5 | 33 | 38 | 164 | -5 | -10 | -15 | 11 | -5 | 100 | -1 | 59 | | | | | | |
| 16-44.5150-113.0892-2-12- | 0-119081 | -5 | -5 | -5 | 77 | 70 | 193 | -5 | -10 | 21 | 15 | -5 | 170 | 2 | 63 | | | | | | |
| 16-44.5094-113.0778-2-15- | 0-119082 | -5 | -5 | -5 | 44 | -20 | 71 | 15 | -10 | -15 | 16 | -5 | 139 | 2 | 76 | | | | | | |
| 16-44.5033-113.0681-2-15- | 0-119083 | -5 | -5 | 7 | 79 | 33 | 255 | -5 | -10 | -15 | 19 | -5 | 119 | 1 | 41 | | | | | | |
| 16-44.5011-113.1894-2-12- | 0-119084 | -5 | -5 | -5 | 22 | 41 | 19 | 7 | -10 | -15 | 14 | -5 | 349 | 2 | 35 | | | | | | |
| 16-44.5428-113.2478-2-12- | 0-119085 | -5 | -5 | -5 | 23 | 21 | 27 | 17 | -10 | 24 | -5 | -5 | 291 | 2 | 38 | | | | | | |
| 16-44.6578-113.5044-2-12- | 0-119086 | -5 | -5 | -5 | 20 | 20 | -15 | 22 | -10 | -15 | 15 | -5 | 824 | 1 | 19 | | | | | | |
| 16-44.6436-113.5264-2-12- | 0-119087 | -5 | -5 | -5 | 29 | -20 | -15 | 43 | -10 | -15 | 22 | -5 | 180 | 1 | 21 | | | | | | |
| 16-44.6267-113.5544-2-12- | 0-119088 | -5 | -5 | -5 | 47 | -20 | 53 | 13 | -10 | -15 | 10 | -5 | 186 | 3 | 48 | | | | | | |
| 16-44.6351-113.5508-2-12- | 0-119089 | -5 | -5 | -5 | 66 | -20 | 20 | 6 | -10 | -15 | 13 | -5 | 204 | 2 | 18 | | | | | | |
| 16-44.6078-113.5758-2-12- | 0-119090 | -5 | -5 | 7 | 31 | -20 | 22 | 22 | -10 | -15 | 6 | -5 | 224 | 2 | 40 | | | | | | |
| 16-44.6064-113.5742-2-12- | 0-119091 | -5 | -5 | -5 | 13 | -20 | -15 | 25 | -10 | -15 | 14 | -5 | 464 | -1 | 22 | | | | | | |
| 16-44.5925-113.5708-2-12- | 0-119092 | -5 | -5 | -5 | 19 | -20 | -15 | 24 | -10 | -15 | -5 | -5 | 334 | -1 | 21 | | | | | | |
| 16-44.6647-113.5265-2-12- | 0-119093 | -5 | -5 | -5 | 18 | -20 | 36 | 49 | -10 | -15 | -5 | -5 | 154 | -1 | 15 | | | | | | |
| 16-44.6833-113.5206-2-12- | 0-119094 | -5 | -5 | -5 | 47 | -20 | -15 | 26 | -10 | -15 | 9 | -5 | 223 | 2 | 26 | | | | | | |
| 16-44.1514-112.7567-2-15- | 0-119095 | -5 | -5 | -5 | 27 | 21 | 25 | 12 | -10 | 15 | -5 | -5 | 195 | 1 | 46 | | | | | | |
| 16-44.1467-112.7039-2-15- | 0-119096 | -5 | -5 | -5 | 12 | -20 | -15 | 26 | -10 | -15 | -5 | -5 | 261 | 2 | 46 | | | | | | |
| 16-44.1361-112.6744-2-15- | 0-119097 | -5 | 7 | -5 | 18 | -20 | 20 | 20 | -10 | -15 | 5 | -5 | 280 | 2 | 34 | | | | | | |
| 16-44.1333-112.6761-2-15- | 0-119098 | -5 | -5 | -5 | 26 | -20 | 26 | 20 | -10 | -15 | 5 | -5 | 274 | 2 | 34 | | | | | | |
| 16-44.6200-113.3247-2-12- | 0-119099 | -5 | -5 | -5 | 16 | -20 | -15 | 74 | -10 | -15 | 6 | -5 | 132 | -1 | 14 | | | | | | |
| 16-44.6292-113.3286-2-12- | 0-119000 | -5 | -5 | -5 | -10 | -20 | -15 | 20 | -10 | -15 | -5 | -5 | 268 | 1 | 17 | | | | | | |
| 16-44.6689-113.3097-2-15- | 0-119001 | -5 | -5 | -5 | 15 | -20 | 33 | 11 | -10 | 20 | -5 | -5 | 260 | -1 | 32 | | | | | | |
| 16-44.6653-113.3186-2-12- | 0-119002 | -5 | -5 | -5 | 11 | -20 | -15 | 20 | -10 | -15 | -5 | -5 | 266 | 2 | 21 | | | | | | |
| 16-44.6733-113.3414-2-12- | 0-119003 | -5 | -5 | -5 | 84 | -20 | -15 | 6 | -10 | 22 | 17 | -5 | 147 | -1 | 16 | | | | | | |
| 16-44.7258-113.2711-2-12- | 0-119004 | -5 | -5 | -5 | 16 | -20 | 53 | 11 | -10 | -15 | -5 | -5 | 241 | 1 | 26 | | | | | | |
| 16-44.7447-113.2708-2-15- | 0-119005 | -5 | -5 | -5 | 32 | -20 | 51 | 151 | -10 | -15 | -5 | -5 | 203 | 2 | 78 | | | | | | |
| 16-44.7097-113.2953-2-15- | 0-119006 | -5 | -5 | -5 | 19 | -20 | -15 | 106 | -10 | -15 | -5 | -5 | 34 | -1 | 5 | | | | | | |
| 16-44.7081-113.2842-2-12- | 0-119007 | -5 | -5 | -5 | 25 | -20 | -15 | 24 | -10 | -15 | 13 | -5 | 759 | 2 | 24 | | | | | | |
| 16-44.7125-113.3192-2-15- | 0-119008 | -5 | -5 | -5 | 27 | 29 | 35 | 21 | -10 | -15 | 22 | -5 | 238 | -1 | 41 | | | | | | |
| 16-44.7153-113.3222-2-15- | 0-119009 | -5 | -5 | -5 | 26 | -20 | 30 | 15 | -10 | -15 | 19 | -5 | 247 | -1 | 45 | | | | | | |
| 16-44.7175-113.3625-2-99- | 0-119010 | -5 | -5 | -5 | 31 | -20 | 31 | 15 | -10 | -15 | 29 | -5 | 172 | -1 | 34 | | | | | | |
| 16-44.7217-113.3631-2-15- | 0-119011 | -5 | -5 | -5 | 29 | -20 | 34 | 24 | -10 | 18 | 24 | -5 | 178 | 3 | 25 | | | | | | |
| 16-44.6917-113.3836-2-12- | 0-119012 | -5 | -5 | -5 | 20 | -20 | 28 | 52 | -10 | -15 | 8 | -5 | 1269 | 1 | 29 | | | | | | |
| 16-44.7231-113.4075-2-15- | 0-119013 | -5 | -5 | -5 | 31 | -20 | 23 | 19 | -10 | -15 | 29 | -5 | 426 | -1 | 25 | | | | | | |
| 16-44.7411-113.4589-2-12- | 0-119014 | -5 | -5 | -5 | 31 | -20 | 38 | 13 | -10 | -15 | 8 | -5 | 237 | -1 | 33 | | | | | | |
| 16-44.7397-113.4819-2-12- | 0-119015 | -5 | -5 | -5 | 35 | -20 | 21 | 24 | -10 | -15 | 6 | -5 | 255 | 2 | 18 | | | | | | |
| 16-44.7367-113.4611-2-12- | 0-119016 | -5 | 6 | -5 | 26 | -20 | 24 | 13 | -10 | -15 | -5 | -5 | 268 | -1 | 25 | | | | | | |
| 16-44.6456-113.4753-2-12- | 0-119017 | -5 | -5 | -5 | 25 | -20 | 27 | -5 | -10 | -15 | 13 | -5 | 189 | -1 | 21 | | | | | | |
| 16-44.6747-113.4467-2-15- | 0-119018 | -5 | -5 | -5 | 31 | -20 | -15 | 13 | -10 | -15 | -5 | -5 | 183 | -1 | 27 | | | | | | |
| 16-44.6353-113.4650-2-11- | 0-119019 | -5 | -5 | -5 | 38 | -20 | -15 | 9 | -10 | -15 | 10 | -5 | 208 | 1 | 22 | | | | | | |
| 16-44.6425-113.4486-2-12- | 0-119020 | -5 | 10 | -5 | 12 | -20 | -15 | 12 | -10 | -15 | -5 | -5 | 256 | -1 | 23 | | | | | | |
| 16-44.6039-113.4428-2-12- | 0-119021 | -5 | -5 | -5 | 27 | -20 | 18 | 5 | -10 | -15 | 10 | -5 | 243 | 2 | 22 | | | | | | |
| 16-44.6052-113.4461-2-12- | 0-119022 | -5 | -5 | -5 | 10 | -20 | -15 | 5 | -10 | -15 | -5 | -5 | 265 | -1 | 11 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------|--|------|-----|------|----|-----|-------|------|-------|-----|------|----|----|---|----|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu |
| 16-44.6789-113.1572-2-12- | 0-118072 | 55620 | -0.11 | 312 | 20620 | 80 | -102 | 15.1 | 271 | 10.0 | 4 | 2.1 | 36430 | 9.8 | 15340 | 40 | 0.5 | | | | | |
| 16-44.6767-113.1556-2-12- | 0-118072 | 41310 | -0.10 | 717 | 20550 | 44 | 200 | 4.7 | 61 | 4.8 | 5 | 0.7 | 12510 | 7.4 | 16110 | 38 | 0.3 | | | | | |
| 16-44.6194-113.1769-2-12- | 0-118074 | 62390 | -0.11 | 546 | 12710 | 111 | 191 | 7.5 | 54 | 4.7 | 3 | 1.3 | 23150 | 14.4 | 20390 | 54 | 0.6 | | | | | |
| 16-44.5872-113.1564-2-15- | 0-118075 | 40100 | -0.09 | 494 | 13820 | 54 | -70 | 8.2 | 83 | 4.5 | 5 | 1.2 | 24200 | 11.7 | 18470 | 31 | 0.3 | | | | | |
| 16-44.6106-113.1342-2-11- | 0-118074 | 48000 | -0.09 | 287 | 17890 | 57 | -84 | 6.9 | 68 | 5.0 | 3 | 1.5 | 20280 | 9.4 | 17520 | 37 | 0.3 | | | | | |
| 16-44.6175-113.1289-2-11- | 0-118077 | 52310 | -0.10 | 456 | 18590 | 54 | 113 | 6.7 | 74 | 4.8 | 5 | 1.0 | 21250 | 8.9 | 20440 | 35 | 0.3 | | | | | |
| 16-44.5780-113.1464-2-15- | 0-118078 | 51480 | -0.11 | 575 | 9333 | 69 | 147 | 7.1 | 79 | 3.8 | 5 | 1.2 | 21100 | 9.2 | 17560 | 30 | 0.4 | | | | | |
| 16-44.5703-113.1164-2-12- | 0-118070 | 46610 | -0.11 | 349 | 51890 | 53 | 117 | 5.9 | 91 | 4.4 | 4 | 1.2 | 18960 | 8.7 | 9416 | 34 | 0.3 | | | | | |
| 16-44.5461-113.1229-2-12- | 0-118080 | 52080 | -0.12 | 262 | 112600 | 85 | -83 | 27.0 | 355 | 2.9 | 4 | 1.7 | 41760 | 4.3 | 10620 | 56 | 0.4 | | | | | |
| 16-44.5150-113.0892-2-12- | 0-118081 | 51660 | -0.14 | 747 | 36660 | 122 | -97 | 38.4 | 384 | 3.5 | 7 | 2.9 | 65060 | 5.6 | 7118 | 74 | 0.4 | | | | | |
| 16-44.5094-113.0778-2-15- | 0-118082 | 58720 | -0.15 | 687 | 16260 | 102 | -82 | 18.2 | 173 | 5.3 | 5 | 1.5 | 36480 | 5.6 | 19860 | 39 | 0.3 | | | | | |
| 16-44.5033-113.0681-2-15- | 0-118083 | 52460 | -0.15 | 472 | 36450 | 99 | -77 | 46.5 | 627 | 4.3 | 5 | 2.2 | 68120 | 4.5 | 8657 | 57 | 0.5 | | | | | |
| 16-44.5011-113.1894-2-12- | 0-118084 | 65370 | -0.06 | 702 | 11470 | 156 | -92 | 8.9 | 74 | 4.1 | 8 | 2.2 | 28700 | 17.2 | 28780 | 87 | 0.8 | | | | | |
| 16-44.5428-113.2478-2-12- | 0-118085 | 57760 | -0.12 | 1028 | 23850 | 110 | 249 | 8.7 | 102 | 3.4 | 7 | 1.8 | 23980 | 13.0 | 26450 | 53 | 0.5 | | | | | |
| 16-44.6578-113.5044-2-12- | 0-118086 | 48780 | 0.75 | 567 | 9552 | 121 | -79 | 7.7 | 95 | 5.4 | 8 | 1.8 | 33360 | 36.8 | 19480 | 68 | 0.6 | | | | | |
| 16-44.6436-113.5264-2-12- | 0-118087 | 58130 | -0.10 | 710 | 8851 | 92 | -94 | 6.4 | 27 | 12.3 | 4 | 1.5 | 21870 | 7.4 | 14820 | 66 | 0.4 | | | | | |
| 16-44.6367-113.5544-2-12- | 0-118088 | 75840 | -0.12 | 906 | 13390 | 83 | -106 | 24.1 | 132 | 9.1 | 6 | 1.7 | 38400 | 7.1 | 16820 | 36 | 0.4 | | | | | |
| 16-44.6361-113.5508-2-12- | 0-118089 | 49720 | -0.15 | 794 | 12500 | 77 | -84 | 7.8 | 80 | 7.4 | 6 | 1.7 | 17680 | 10.5 | 15960 | 38 | 0.4 | | | | | |
| 16-44.6078-113.5758-2-12- | 0-118090 | 58800 | -0.13 | 578 | 9957 | 59 | 184 | 11.5 | 60 | 12.9 | 6 | 2.0 | 23010 | 9.4 | 21390 | 49 | 0.4 | | | | | |
| 16-44.6064-113.5742-2-12- | 0-118091 | 45800 | -0.09 | 532 | 3543 | 76 | 105 | 4.5 | 55 | 5.7 | 7 | 1.8 | 23440 | 22.5 | 20350 | 41 | 0.6 | | | | | |
| 16-44.5925-113.5708-2-12- | 0-118092 | 47230 | -0.09 | 514 | 3163 | 62 | -59 | 4.4 | 44 | 5.5 | 6 | 1.5 | 18550 | 15.7 | 21260 | 37 | 0.5 | | | | | |
| 16-44.6647-113.5399-2-12- | 0-118093 | 36260 | -0.13 | 571 | 63150 | 41 | 187 | 14.3 | 490 | 3.9 | 3 | 1.1 | 26590 | 6.4 | 13220 | -9 | 0.2 | | | | | |
| 16-44.6833-113.5306-2-12- | 0-118094 | 46290 | -0.10 | 443 | 8964 | 51 | 129 | 14.0 | 72 | 7.8 | 4 | 1.0 | 23760 | 10.2 | 10770 | 25 | 0.3 | | | | | |
| 16-44.1514-113.7567-2-15- | 0-118095 | 20260 | -0.08 | 177 | 40010 | 38 | -68 | 4.9 | 81 | 3.5 | 2 | 1.1 | 16320 | 10.1 | 10480 | 30 | 0.3 | | | | | |
| 16-44.1467-113.7039-2-15- | 0-118096 | 44370 | -0.09 | 555 | 16200 | 54 | -78 | 6.2 | 74 | 4.4 | 4 | 1.1 | 19570 | 10.3 | 14080 | 29 | 0.3 | | | | | |
| 16-44.1361-113.6744-2-15- | 0-118097 | 52780 | -0.11 | 664 | 12720 | 79 | -77 | 8.1 | 74 | 4.3 | 5 | 1.4 | 23340 | 12.5 | 20870 | 44 | 0.3 | | | | | |
| 16-44.1333-113.6761-2-15- | 0-118098 | 53220 | -0.10 | 820 | 14140 | 72 | -74 | 9.9 | 81 | 4.8 | 5 | 1.4 | 26890 | 11.8 | 19230 | 34 | 0.3 | | | | | |
| 16-44.6300-113.3247-2-12- | 0-118099 | 34220 | -0.11 | 566 | 28850 | 48 | -109 | 4.6 | 42 | 10.2 | 3 | 1.1 | 18480 | 7.4 | 12990 | -10 | -0.1 | | | | | |
| 16-44.6292-113.3286-2-12- | 0-118090 | 40970 | -0.11 | 546 | 26250 | 50 | 192 | 3.5 | 43 | 27.7 | 4 | 1.2 | 17120 | 11.5 | 13560 | 31 | 0.3 | | | | | |
| 16-44.6680-113.2097-2-15- | 0-118001 | 55630 | -0.12 | 773 | 29800 | 76 | -89 | 7.6 | 117 | 7.1 | 5 | 1.5 | 23320 | 10.1 | 17380 | 36 | 0.3 | | | | | |
| 16-44.6653-113.2186-2-12- | 0-118002 | 43020 | -0.10 | 587 | 60880 | 63 | -72 | 6.8 | 99 | 4.3 | 5 | 1.3 | 21190 | 11.6 | 18580 | 35 | 0.4 | | | | | |
| 16-44.6733-113.3414-2-12- | 0-118003 | 31050 | -0.09 | 504 | 135000 | 41 | -96 | 4.8 | 39 | 4.3 | 3 | 1.1 | 14660 | 6.6 | 11560 | -9 | 0.2 | | | | | |
| 16-44.7358-113.2711-2-12- | 0-118004 | 34430 | -0.09 | 401 | 31510 | 35 | 181 | 3.0 | 70 | 5.6 | 4 | 0.9 | 11300 | 9.7 | 16560 | 23 | 0.3 | | | | | |
| 16-44.7447-113.2708-2-15- | 0-118005 | 52140 | -0.13 | 658 | 22950 | 80 | 167 | 11.3 | 111 | 5.9 | 5 | 1.6 | 28650 | 7.2 | 18480 | 41 | 0.5 | | | | | |
| 16-44.7097-113.2953-2-15- | 0-118006 | 7092 | -0.03 | -83 | 191900 | 13 | 398 | 2.1 | 12 | 3.1 | -1 | 0.2 | 5501 | 1.2 | 3943 | 5 | 0.0 | | | | | |
| 16-44.7081-113.2847-2-12- | 0-118007 | 53480 | -0.10 | 810 | 27580 | 100 | -101 | 7.1 | 62 | 5.2 | 7 | 1.9 | 25930 | 35.7 | 21360 | 46 | 0.8 | | | | | |
| 16-44.7125-113.2192-2-15- | 0-118008 | 53850 | -0.10 | 579 | 39660 | 84 | 246 | 12.1 | 73 | 5.3 | 7 | 1.5 | 28290 | 10.4 | 21730 | 52 | 0.5 | | | | | |
| 16-44.7153-113.3322-2-15- | 0-118009 | 60080 | -0.12 | 652 | 36090 | 91 | -94 | 9.2 | 79 | 6.4 | 6 | 1.5 | 27950 | 11.5 | 21250 | 33 | 0.6 | | | | | |
| 16-44.7175-113.3625-2-99- | 0-118010 | 54210 | -0.12 | 562 | 37790 | 72 | 235 | 17.6 | 76 | 6.6 | 7 | 1.6 | 37130 | 6.6 | 21360 | 43 | 0.5 | | | | | |
| 16-44.7217-113.3631-2-15- | 0-118011 | 55590 | -0.11 | 519 | 39620 | 78 | -101 | 11.2 | 103 | 6.0 | 4 | 1.3 | 30210 | 8.7 | 18380 | 45 | 0.4 | | | | | |
| 16-44.6917-113.3626-2-12- | 0-118012 | 57760 | -0.12 | 789 | 32200 | 80 | 263 | 8.0 | 68 | 5.2 | 11 | 2.0 | 30880 | 49.8 | 21540 | 53 | 1.0 | | | | | |
| 16-44.7231-113.4075-2-15- | 0-118013 | 50450 | -0.11 | 675 | 9966 | 77 | -66 | 8.9 | 110 | 6.2 | 7 | 1.5 | 61110 | 19.7 | 19860 | 44 | 0.7 | | | | | |
| 16-44.7411-113.4589-2-12- | 0-118014 | 54070 | -0.11 | 782 | 40170 | 76 | 152 | 10.2 | 212 | 5.8 | 6 | 1.6 | 29400 | 10.2 | 19210 | 46 | 0.5 | | | | | |
| 16-44.7397-113.4819-2-12- | 0-118015 | 47030 | -0.12 | 545 | 15180 | 57 | -97 | 11.4 | 189 | 4.7 | 3 | 1.4 | 24730 | 11.2 | 12670 | 29 | 0.4 | | | | | |
| 16-44.7267-113.4611-2-12- | 0-118016 | 52700 | -0.10 | 709 | 16410 | 71 | 244 | 7.2 | 56 | 4.8 | 5 | 1.4 | 21140 | 11.0 | 17200 | 38 | 0.4 | | | | | |
| 16-44.6456-113.4753-2-12- | 0-118017 | 61520 | -0.15 | 342 | 14280 | 79 | -88 | 9.9 | 64 | 4.3 | 7 | 2.1 | 22600 | 7.7 | 12770 | 44 | 0.6 | | | | | |
| 16-44.6747-113.4467-2-15- | 0-118018 | 44270 | -0.11 | 314 | 12740 | 55 | -100 | 8.5 | 55 | -1.8 | 4 | 1.2 | 24280 | 7.8 | 15980 | -10 | 0.3 | | | | | |
| 16-44.6352-113.4650-2-11- | 0-118019 | 60600 | -0.12 | 551 | 10090 | 82 | -98 | 8.2 | 58 | 6.4 | 3 | 1.7 | 28520 | 8.9 | 14260 | 37 | 0.4 | | | | | |
| 16-44.6425-113.4486-2-12- | 0-118020 | 51100 | -0.10 | 506 | 13300 | 58 | 154 | 8.0 | 81 | 4.7 | 5 | 1.4 | 24180 | 10.2 | 14130 | 29 | 0.3 | | | | | |
| 16-44.6039-113.4428-2-12- | 0-118021 | 54370 | -0.14 | 532 | 18900 | 61 | 127 | 10.4 | 220 | 6.0 | 5 | 1.6 | 27000 | 11.6 | 16870 | 44 | 0.5 | | | | | |
| 16-44.6053-113.4461-2-12- | 0-118022 | 23850 | -0.07 | 307 | 3572 | 30 | -43 | 3.2 | 29 | 2.3 | 3 | 0.7 | 8984 | 13.5 | 10080 | 15 | 0.3 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO |
|-----------------------------------|----------|-----------|---------|-------------|-----------|----------------------------------|---|------|----|----|------|-------|-----|------|-----|-------|----|----|---|----|---------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAS SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | |
| 16-44.6789-113.1572-2-12-0-119977 | 0645 | 874 | 10140 | 93 | -3 | 13.1 | 9.6 | -270 | -1 | -1 | 11.8 | 2921 | 85 | 4.2 | 84 | 0.364 | | | | | |
| 16-44.6767-113.1556-2-12-0-119973 | 7956 | 227 | 7178 | -27 | -2 | 5.1 | 5.9 | 216 | -1 | -1 | 7.8 | 2133 | 51 | -1.6 | 74 | 1.974 | | | | | |
| 16-44.6194-113.1769-2-12-0-119974 | 6643 | 454 | 10290 | 61 | -3 | 7.8 | 9.3 | -236 | -1 | -1 | 15.5 | 4139 | 61 | 6.9 | -85 | 0.271 | | | | | |
| 16-44.5872-113.1564-2-15-0-119975 | 7755 | 710 | 7242 | 55 | -2 | 8.3 | 5.9 | -232 | -1 | -1 | 9.1 | 3209 | 70 | 3.7 | 124 | 0.374 | | | | | |
| 16-44.6106-113.1342-2-11-0-119976 | 7155 | 526 | 7797 | 81 | -2 | 8.5 | 6.2 | -219 | -1 | -1 | 8.9 | 2497 | 50 | -1.6 | 95 | 0.348 | | | | | |
| 16-44.6175-113.1289-2-11-0-119977 | 9929 | 501 | 6800 | 69 | -2 | 9.1 | 5.9 | -221 | -1 | -1 | 9.7 | 2809 | 67 | 3.3 | 152 | 0.361 | | | | | |
| 16-44.5789-113.1464-2-15-0-119978 | 7094 | 591 | 6688 | 55 | -3 | 8.2 | 4.7 | -236 | -1 | -1 | 8.2 | 3688 | 77 | 2.8 | 134 | 0.451 | | | | | |
| 16-44.5703-113.1164-2-12-0-119979 | 6324 | 190 | 4712 | -29 | -3 | 6.4 | 4.0 | -166 | -1 | -1 | 7.0 | 3202 | 77 | 3.4 | 256 | 0.571 | | | | | |
| 16-44.5461-113.1239-2-12-0-119980 | 41060 | 695 | 6197 | 82 | -3 | 16.6 | 8.1 | -225 | -1 | -1 | 9.0 | 6203 | 125 | -2.0 | 151 | 0.344 | | | | | |
| 16-44.5150-113.0892-2-12-0-119981 | 50800 | 1143 | 6908 | -42 | -4 | 21.1 | 10.5 | -298 | 6 | -1 | 14.1 | 10240 | 196 | 3.2 | 164 | 0.277 | | | | | |
| 16-44.5094-113.0778-2-15-0-119982 | 18390 | 984 | 7143 | 92 | -3 | 12.7 | 6.8 | -326 | -1 | -1 | 11.6 | 4306 | 100 | -2.8 | 154 | 0.267 | | | | | |
| 16-44.5033-113.0681-2-15-0-119983 | 59500 | 1099 | 7177 | -39 | -4 | 27.0 | 8.5 | -289 | 4 | -1 | 10.2 | 10400 | 210 | -2.3 | 118 | 0.275 | | | | | |
| 16-44.5011-113.1894-2-12-0-119984 | 6566 | 605 | 10480 | 124 | -2 | 8.5 | 16.8 | -229 | 7 | -1 | 21.1 | 3959 | 53 | 7.0 | 77 | 0.412 | | | | | |
| 16-44.5428-113.2478-2-12-0-119985 | 12780 | 355 | 12400 | 98 | -3 | 8.7 | 8.3 | -230 | -1 | -1 | 15.3 | 3879 | 66 | 4.3 | 59 | 0.307 | | | | | |
| 16-44.5578-113.1044-2-12-0-119986 | 6252 | 364 | 10040 | 58 | -3 | 8.0 | 7.6 | -208 | -1 | 1 | 21.4 | 6499 | 93 | 5.8 | 90 | 0.495 | | | | | |
| 16-44.6436-113.2764-2-12-0-119987 | 7385 | 479 | 7887 | 69 | -2 | 7.0 | 6.4 | -228 | 2 | -1 | 15.3 | 2562 | 50 | -1.7 | 112 | 1.059 | | | | | |
| 16-44.6367-113.2544-2-12-0-119988 | 8048 | 978 | 9571 | 97 | -3 | 13.6 | 6.5 | -303 | -2 | -1 | 12.3 | 4055 | 92 | -2.0 | 177 | 0.463 | | | | | |
| 16-44.6361-113.5508-2-12-0-119989 | 5129 | 140 | 8550 | -34 | -3 | 7.6 | 6.1 | -201 | -1 | -1 | 10.9 | 2879 | 45 | -2.3 | 90 | 1.174 | | | | | |
| 16-44.6078-113.2758-2-12-0-119990 | 5351 | 983 | 8108 | -34 | -3 | 8.7 | 8.1 | -336 | -1 | -1 | 10.5 | 3388 | 48 | -2.6 | 369 | 1.514 | | | | | |
| 16-44.6064-113.5742-2-12-0-119991 | 4657 | 216 | 7701 | 70 | -2 | 7.0 | 10.2 | -149 | -1 | -1 | 11.2 | 4139 | 47 | 5.3 | 41 | 0.964 | | | | | |
| 16-44.5925-113.5768-2-12-0-119992 | 4143 | 170 | 7206 | 64 | -3 | 6.3 | 5.9 | -148 | 1 | -1 | 9.6 | 3354 | 47 | 3.4 | -19 | 0.823 | | | | | |
| 16-44.6647-113.5389-2-12-0-119993 | 35090 | 614 | 6052 | -30 | -3 | 12.3 | 3.4 | -248 | -1 | -1 | 5.5 | 2573 | 91 | -2.2 | | 0.345 | | | | | |
| 16-44.6833-113.5206-2-12-0-119994 | 4914 | 442 | 7290 | 67 | -2 | 7.5 | 5.3 | -204 | -1 | -1 | 8.4 | 3400 | 54 | 2.7 | 137 | 0.357 | | | | | |
| 16-44.1514-112.7567-2-15-0-119995 | 7762 | 413 | 3119 | 54 | -2 | 5.6 | 4.6 | -190 | -1 | -1 | 7.5 | 1671 | 45 | -1.3 | 227 | 0.387 | | | | | |
| 16-44.1467-112.7639-2-15-0-119996 | 8494 | 567 | 5798 | 49 | -2 | 7.0 | 4.1 | -212 | -1 | -1 | 8.8 | 3065 | 55 | -1.4 | 172 | 0.318 | | | | | |
| 16-44.1361-112.6744-2-15-0-119997 | 9132 | 666 | 8388 | 65 | -3 | 8.0 | 6.6 | -254 | -1 | -1 | 11.9 | 3048 | 82 | 3.2 | 136 | 0.269 | | | | | |
| 16-44.1333-112.6761-2-15-0-119998 | 8946 | 671 | 8559 | 78 | -2 | 8.8 | 6.2 | -233 | -1 | -1 | 12.4 | 3313 | 77 | 3.8 | 127 | 0.250 | | | | | |
| 16-44.6300-113.3247-2-12-0-119999 | 7026 | 1327 | 6646 | -29 | -3 | 5.2 | 4.7 | -425 | -1 | -1 | 6.6 | 2673 | 33 | 4.1 | -95 | 0.348 | | | | | |
| 16-44.6292-113.3286-2-12-0-119999 | 7219 | 342 | 9233 | 85 | -3 | 5.4 | 4.7 | -197 | -1 | -1 | 7.8 | 2943 | 35 | -1.8 | 87 | 0.346 | | | | | |
| 16-44.6680-113.3097-2-15-0-119999 | 12320 | 908 | 9403 | 65 | -3 | 8.2 | 6.7 | -297 | -1 | -1 | 10.4 | 3116 | 59 | 4.1 | 157 | 0.346 | | | | | |
| 16-44.6653-113.3186-2-12-0-119999 | 16140 | 362 | 8745 | 79 | -2 | 7.2 | 5.5 | 410 | -1 | -1 | 9.2 | 3440 | 61 | 3.6 | 91 | 0.391 | | | | | |
| 16-44.6733-113.3414-2-12-0-119999 | 24660 | 611 | 6241 | -25 | -2 | 4.4 | 4.4 | -245 | -1 | -1 | 6.6 | 2087 | 46 | 2.5 | 69 | 0.303 | | | | | |
| 16-44.7358-113.2711-2-12-0-119999 | 9834 | 190 | 7617 | -20 | -2 | 4.8 | 2.7 | -168 | -1 | -1 | 5.1 | 2448 | 113 | -1.4 | 147 | 0.824 | | | | | |
| 16-44.7447-113.2708-2-15-0-119999 | 17120 | 893 | 8647 | -31 | -3 | 9.1 | 7.8 | -309 | -1 | -1 | 10.2 | 3603 | 91 | 2.6 | 297 | 0.294 | | | | | |
| 16-44.7097-113.2853-2-15-0-119999 | 89170 | 280 | 1448 | -15 | 3 | 1.6 | 0.9 | -163 | -1 | -1 | 2.5 | -482 | 27 | -0.6 | 84 | 0.360 | | | | | |
| 16-44.7081-113.2842-2-12-0-119999 | 10510 | 669 | 10770 | 72 | -2 | 8.2 | 10.0 | -259 | -1 | -1 | 14.8 | 3239 | 52 | 6.6 | 104 | 0.365 | | | | | |
| 16-44.7125-113.3192-2-15-0-119999 | 16150 | 814 | 10110 | 64 | -2 | 8.2 | 7.8 | -254 | 3 | -1 | 10.8 | 4914 | 87 | 4.1 | 143 | 0.306 | | | | | |
| 16-44.7153-113.3222-2-15-0-119999 | 9975 | 828 | 10850 | 99 | -3 | 9.2 | 6.7 | -292 | -1 | -1 | 12.7 | 3661 | 88 | 5.8 | 173 | 0.252 | | | | | |
| 16-44.7175-113.3625-2-99-0-119999 | 12710 | 1086 | 9517 | 74 | -3 | 12.1 | 7.3 | -305 | -1 | -1 | 11.0 | 4592 | 113 | -2.4 | 174 | 0.291 | | | | | |
| 16-44.7217-113.3631-2-15-0-119999 | 11350 | 804 | 8321 | 84 | -3 | 10.1 | 8.2 | -278 | -1 | -1 | 11.1 | 3154 | 101 | 2.7 | 193 | 0.297 | | | | | |
| 16-44.6917-113.3636-2-12-0-119999 | 12400 | 610 | 10230 | 60 | -3 | 8.4 | 8.0 | -255 | 3 | -1 | 13.2 | 5183 | 74 | 8.5 | 155 | 0.530 | | | | | |
| 16-44.7231-113.4075-2-15-0-119999 | 7200 | 570 | 7309 | -31 | 5 | 8.4 | 5.4 | -214 | -1 | -1 | 13.6 | 4598 | 106 | 5.1 | -35 | 0.360 | | | | | |
| 16-44.7411-113.4589-2-12-0-119999 | 12560 | 458 | 10060 | 81 | -3 | 10.2 | 6.8 | -214 | -1 | -1 | 12.1 | 3890 | 74 | -2.1 | 159 | 0.256 | | | | | |
| 16-44.7397-113.4819-2-12-0-119999 | 8762 | 399 | 8975 | -29 | -3 | 9.3 | 6.5 | -225 | -1 | -1 | 7.7 | 3016 | 50 | 2.7 | -77 | 0.494 | | | | | |
| 16-44.7367-113.4611-2-12-0-119999 | 8040 | 394 | 12980 | 79 | -2 | 7.3 | 5.6 | -214 | 2 | -1 | 10.3 | 2775 | 43 | 3.6 | 126 | 0.388 | | | | | |
| 16-44.6456-113.4753-2-12-0-119999 | 4230 | 590 | 6872 | -37 | -4 | 10.3 | 9.1 | -295 | -1 | -1 | 9.5 | 3450 | 73 | -2.4 | -34 | 0.368 | | | | | |
| 16-44.6747-113.4467-2-15-0-119999 | 6334 | 862 | 9899 | -29 | -3 | 7.2 | 5.3 | -323 | -1 | -1 | 9.7 | 2920 | 47 | 4.4 | 143 | 0.340 | | | | | |
| 16-44.6351-113.4450-2-11-0-119999 | 4104 | 521 | 7820 | 73 | -3 | 11.5 | 8.1 | -241 | -2 | -1 | 13.5 | 2435 | 51 | -2.3 | 124 | 0.252 | | | | | |
| 16-44.6425-113.4486-2-12-0-119999 | 7310 | 393 | 9442 | 86 | -2 | 7.9 | 5.2 | -199 | -1 | -1 | 8.7 | 3589 | 62 | 3.8 | 66 | 0.379 | | | | | |
| 16-44.6039-113.4428-2-12-0-119999 | 10820 | 445 | 8349 | -33 | -3 | 13.3 | 6.3 | -237 | -1 | -1 | 9.3 | 3376 | 79 | 4.5 | | 0.785 | | | | | |
| 16-44.6053-113.4461-2-12-0-119999 | 2225 | 106 | 4071 | -17 | -2 | 3.2 | 2.5 | -115 | -1 | -1 | 4.4 | 2045 | 25 | 2.6 | -55 | 0.841 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------|---|-----|-----|-----|----|----|------|-----|----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.6417-113.3836-2-12- | 0-119023 | -5 | 9 | -5 | 35 | -20 | 17 | 13 | -10 | -15 | 7 | -5 | 203 | 2 | 22 | | | | | | |
| 16-44.8256-113.5954-2-12- | 0-119024 | -5 | -5 | -5 | 24 | -20 | 19 | 10 | -10 | 18 | 5 | -5 | 457 | 2 | 19 | | | | | | |
| 16-44.8603-113.5458-2-12- | 0-119025 | -5 | -5 | -5 | 31 | -20 | -15 | 9 | -10 | -15 | 5 | -5 | 335 | 2 | 23 | | | | | | |
| 16-44.8822-113.5475-2-12- | 0-119026 | -5 | 11 | -5 | 36 | -20 | -15 | 10 | -10 | -15 | 9 | -5 | 337 | 2 | 26 | | | | | | |
| 16-44.9081-113.5753-2-11- | 0-119027 | -5 | 5 | -5 | 55 | -20 | -15 | 7 | 30 | -15 | 19 | -5 | 141 | 2 | 35 | | | | | | |
| 16-44.8283-113.6083-2-12- | 0-119028 | -5 | -5 | -5 | 17 | -20 | 16 | 14 | -10 | -15 | -5 | -5 | 284 | 2 | 22 | | | | | | |
| 16-44.8144-113.5922-2-12- | 0-119029 | -5 | -5 | -5 | 27 | -20 | 58 | 5 | -10 | 15 | 5 | -5 | 273 | 2 | 18 | | | | | | |
| 16-44.8053-113.5508-2-12- | 0-119030 | -5 | 8 | -5 | 14 | -20 | 29 | 10 | -10 | 27 | -5 | -5 | 304 | 1 | 14 | | | | | | |
| 16-44.7817-113.5306-2-15- | 0-119031 | -5 | -5 | -5 | 28 | -20 | -15 | 12 | -10 | -15 | 6 | -5 | 240 | -1 | 31 | | | | | | |
| 16-44.8278-113.4825-2-12- | 0-119033 | -5 | -5 | -5 | 12 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 340 | 2 | 23 | | | | | | |
| 16-44.8433-113.4978-2-12- | 0-119034 | -5 | 7 | -5 | 18 | -20 | -15 | -5 | -10 | -15 | 6 | -5 | 405 | 2 | 27 | | | | | | |
| 16-44.7769-113.5006-2-11- | 0-119035 | -5 | 5 | -5 | -10 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 16 | 323 | 1 | 16 | | | | | |
| 16-44.7939-113.5044-2-11- | 0-119036 | -5 | -5 | -5 | 14 | -20 | -15 | 13 | -10 | -15 | -5 | -5 | 222 | 2 | 18 | | | | | | |
| 16-44.7964-113.4042-2-12- | 0-119037 | -5 | 5 | -5 | 31 | -20 | 191 | -5 | -10 | -15 | 23 | -5 | 364 | 2 | 26 | | | | | | |
| 16-44.7953-113.4042-2-12- | 0-119038 | -5 | -5 | -5 | 24 | -20 | 37 | 12 | -10 | -15 | 19 | -5 | 229 | 2 | 23 | | | | | | |
| 16-44.4242-113.4972-2-12- | 0-119039 | -5 | -5 | -5 | 26 | -20 | 24 | 14 | -10 | -15 | 6 | -5 | 137 | 1 | 29 | | | | | | |
| 16-44.4217-113.4983-2-12- | 0-119040 | -5 | 7 | -5 | 39 | -20 | 30 | 12 | -10 | 22 | -5 | -5 | 160 | 2 | 26 | | | | | | |
| 16-44.4253-113.5050-2-15- | 0-119041 | -5 | -5 | -5 | 19 | -20 | 24 | 19 | -10 | -15 | 8 | -5 | 169 | 2 | 33 | | | | | | |
| 16-44.4217-113.5083-2-12- | 0-119042 | -5 | -5 | -5 | 32 | -20 | 18 | 6 | -10 | -15 | -5 | -5 | 162 | 2 | 35 | | | | | | |
| 16-44.4244-113.5264-2-12- | 0-119043 | -5 | 7 | -5 | 39 | -20 | 28 | 8 | -10 | 21 | 11 | -5 | 131 | 2 | 26 | | | | | | |
| 16-44.4267-113.5492-2-11- | 0-119044 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 5 | -5 | 255 | 2 | 7 | | | | | | |
| 16-44.3300-112.9619-2-15- | 0-119045 | -5 | 6 | -5 | 23 | -20 | 27 | 43 | -10 | -15 | 19 | -5 | 186 | 3 | 36 | | | | | | |
| 16-44.3378-112.9731-2-15- | 0-119046 | -5 | -5 | -5 | 24 | -20 | 30 | 58 | -10 | -15 | 10 | -5 | 179 | 2 | 45 | | | | | | |
| 16-44.3522-112.9839-2-15- | 0-119047 | -5 | 6 | -5 | 32 | -20 | -15 | 106 | -10 | -15 | 5 | -5 | 296 | 2 | 26 | | | | | | |
| 16-44.3831-112.9806-2-11- | 0-119048 | -5 | 11 | -5 | 31 | -20 | 52 | 739 | 90 | -15 | -5 | 8 | 92 | -1 | 11 | | | | | | |
| 16-44.4008-112.9992-2-12- | 0-119049 | -5 | 9 | -5 | 11 | -20 | 20 | 36 | -10 | -15 | 6 | -5 | 475 | 3 | 28 | | | | | | |
| 16-44.4056-112.9856-2-12- | 0-119050 | -5 | 0 | -5 | 14 | -20 | 21 | 26 | -10 | -15 | 7 | -5 | 422 | 2 | 19 | | | | | | |
| 16-44.4000-112.9461-2-12- | 0-119051 | -5 | -5 | -5 | 26 | -20 | 46 | 54 | -10 | -15 | 8 | -5 | 298 | 5 | 34 | | | | | | |
| 16-44.4997-113.2147-2-15- | 0-119052 | -5 | -5 | -5 | 29 | -20 | 19 | 11 | -10 | -15 | 9 | -5 | 231 | 3 | 44 | | | | | | |
| 16-44.4894-113.1939-2-15- | 0-119053 | -5 | -5 | -5 | 29 | -20 | 23 | 20 | -10 | -15 | -5 | -5 | 271 | 3 | 35 | | | | | | |
| 16-44.4850-113.1815-2-15- | 0-119054 | -5 | 8 | -5 | 21 | -20 | 15 | 17 | -10 | -15 | 11 | -5 | 272 | 3 | 35 | | | | | | |
| 16-44.4814-113.1831-2-15- | 0-119055 | -5 | 10 | -5 | 29 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 208 | 3 | 36 | | | | | | |
| 16-44.4897-113.1558-2-15- | 0-119056 | -5 | 7 | -5 | 37 | 28 | 15 | 30 | -10 | -15 | 8 | -5 | 279 | 2 | 36 | | | | | | |
| 16-44.4717-113.1564-2-15- | 0-119057 | -5 | -5 | -5 | 13 | -20 | -15 | 19 | -10 | -15 | 6 | -5 | 316 | 3 | 40 | | | | | | |
| 16-44.4972-113.0828-2-12- | 0-119058 | -5 | 7 | -5 | 18 | -20 | -15 | 9 | -10 | -15 | 13 | -5 | 514 | 4 | 23 | | | | | | |
| 16-44.4892-113.0853-2-12- | 0-119059 | -5 | 10 | -5 | 48 | -20 | 48 | 10 | -10 | -15 | 14 | -5 | 334 | 2 | 39 | | | | | | |
| 16-44.4981-113.0822-2-11- | 0-119060 | -5 | -5 | -5 | 28 | -20 | 49 | 7 | -10 | -15 | 12 | -5 | 246 | 2 | 24 | | | | | | |
| 16-44.4533-113.1081-2-15- | 0-119061 | -5 | -5 | -5 | 34 | -20 | -15 | 17 | -10 | -15 | 35 | -5 | 384 | 2 | 31 | | | | | | |
| 16-44.4042-113.1231-2-15- | 0-119062 | -5 | -5 | -5 | 40 | -20 | -15 | 23 | -10 | -15 | 12 | -5 | 204 | 2 | 31 | | | | | | |
| 16-44.4010-113.1283-2-15- | 0-119063 | -5 | 5 | -5 | 32 | -20 | -15 | 27 | -10 | -15 | -5 | -5 | 212 | 2 | 33 | | | | | | |
| 16-44.3725-113.1581-2-15- | 0-119064 | -5 | -5 | -5 | 17 | -20 | -15 | 16 | -10 | -15 | 18 | -5 | 96 | -1 | 25 | | | | | | |
| 16-44.2672-112.9956-2-11- | 0-119065 | -5 | 5 | -5 | 16 | -20 | -15 | 92 | -10 | -15 | 5 | -5 | 72 | -1 | 8 | | | | | | |
| 16-44.3661-113.0321-2-12- | 0-119066 | -5 | -5 | -5 | 29 | -20 | 38 | 36 | -10 | -15 | 6 | -5 | 307 | 2 | 33 | | | | | | |
| 16-44.3678-113.0533-2-12- | 0-119067 | -5 | -5 | -5 | 14 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 798 | 1 | 20 | | | | | | |
| 16-44.3692-113.0628-2-12- | 0-119068 | -5 | -5 | -5 | 19 | -20 | -15 | 8 | -10 | -15 | 11 | -5 | 414 | 2 | 22 | | | | | | |
| 16-44.3822-113.0617-2-11- | 0-119069 | -5 | 9 | -5 | 13 | 56 | -15 | 6 | -10 | -15 | 33 | -5 | 468 | 2 | 24 | | | | | | |
| 16-44.4153-113.0742-2-12- | 0-119070 | -5 | -5 | -5 | 13 | 54 | -15 | 9 | -10 | -15 | 8 | -5 | 542 | 3 | 26 | | | | | | |
| 16-44.4300-113.0728-2-11- | 0-119071 | -5 | 6 | -5 | -10 | 128 | -15 | -5 | -10 | 18 | 8 | -5 | 1288 | 3 | 17 | | | | | | |
| 16-44.4058-113.0950-2-12- | 0-119072 | -5 | -5 | -5 | 31 | 38 | -15 | 14 | -10 | -15 | 11 | -5 | 353 | 2 | 25 | | | | | | |
| 16-44.4047-113.0928-2-12- | 0-119073 | -5 | 10 | -5 | 20 | 82 | -15 | 9 | -10 | -15 | 13 | -5 | 701 | 2 | 16 | | | | | | |
| 16-44.3708-113.0917-2-12- | 0-119074 | -5 | -5 | -5 | 17 | -20 | -15 | 12 | -10 | -15 | 9 | -5 | 324 | 2 | 24 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|-----------|--|---|--------|-----|------|------|------|------|----|------|-------|------|-------|-----|------|----|----|--|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE LAB LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu | | | |
| 16-44 | 6417 | -113.3826 | -2-12- | 0-119022 | 65660 | -0.12 | 1668 | 27140 | 110 | -111 | 16.3 | 145 | 4.9 | 4 | 2.3 | 38540 | 10.0 | 12030 | 55 | 0.4 | | | | | |
| 16-44 | 8356 | -113.5994 | -2-12- | 0-119024 | 59250 | -0.11 | 753 | 18970 | 89 | -103 | 11.5 | 196 | 3.9 | 7 | 1.9 | 30510 | 20.5 | 20740 | 47 | 0.5 | | | | | |
| 16-44 | 8602 | -113.5458 | -2-12- | 0-119025 | 67880 | -0.13 | 656 | 11720 | 92 | -90 | 8.7 | 107 | 4.5 | 8 | 1.8 | 30460 | 15.3 | 19320 | 46 | 0.6 | | | | | |
| 16-44 | 8822 | -113.5475 | -2-12- | 0-119026 | 81780 | -0.12 | 820 | 15870 | 91 | -94 | 14.6 | 99 | 2.7 | 7 | 1.9 | 40590 | 15.7 | 17900 | 58 | 0.7 | | | | | |
| 16-44 | 9081 | -113.5753 | -2-11- | 0-119027 | 59230 | -0.13 | 777 | 11340 | 74 | -103 | 16.5 | 43 | 4.6 | 4 | 1.6 | 41400 | 7.0 | 14630 | 40 | 0.4 | | | | | |
| 16-44 | 8283 | -113.6083 | -2-12- | 0-119028 | 54250 | -0.11 | 896 | 33910 | 63 | 145 | 7.9 | 124 | 3.4 | 6 | 1.6 | 23290 | 10.5 | 21750 | 31 | 0.5 | | | | | |
| 16-44 | 8144 | -113.5922 | -2-12- | 0-119029 | 51840 | -0.13 | 922 | 32280 | 96 | 131 | 15.6 | 416 | 3.2 | 6 | 1.8 | 35810 | 11.3 | 19960 | 39 | 0.4 | | | | | |
| 16-44 | 8053 | -113.5508 | -2-12- | 0-119030 | 57040 | -0.11 | 740 | 16200 | 79 | -78 | 10.8 | 340 | 3.1 | 7 | 1.6 | 29470 | 14.0 | 23580 | 49 | 0.5 | | | | | |
| 16-44 | 7817 | -113.5306 | -2-15- | 0-119031 | 62790 | -0.11 | 697 | 9635 | 79 | 233 | 8.7 | 80 | 5.7 | 5 | 1.8 | 29880 | 9.7 | 17920 | 34 | 0.5 | | | | | |
| 16-44 | 8278 | -113.4825 | -2-12- | 0-119032 | 53690 | -0.09 | 579 | 3795 | 80 | -75 | 4.8 | 46 | 3.7 | 8 | 1.5 | 17620 | 13.8 | 20200 | 41 | 0.6 | | | | | |
| 16-44 | 8432 | -113.4978 | -2-12- | 0-119034 | 52680 | -0.10 | 495 | 3643 | 81 | -80 | 4.3 | 41 | 3.1 | 6 | 1.4 | 17080 | 17.8 | 18240 | 40 | 0.6 | | | | | |
| 16-44 | 7769 | -113.5006 | -2-11- | 0-119035 | 43620 | -0.10 | 606 | 7649 | 85 | -69 | 5.3 | 75 | 5.1 | 5 | 1.8 | 18490 | 18.0 | 15930 | 43 | 0.6 | | | | | |
| 16-44 | 7839 | -113.5044 | -2-11- | 0-119036 | 41700 | -0.08 | 660 | 30840 | 50 | 145 | 4.8 | 45 | 2.7 | 5 | 1.3 | 14290 | 9.5 | 21250 | 40 | 0.4 | | | | | |
| 16-44 | 7964 | -113.4042 | -2-12- | 0-119037 | 54790 | -0.14 | 869 | 33910 | 93 | -74 | 24.7 | 1079 | 8.4 | 6 | 1.9 | 43340 | 16.9 | 20190 | 36 | 0.5 | | | | | |
| 16-44 | 7952 | -113.4042 | -2-12- | 0-119038 | 54660 | -0.12 | 856 | 12260 | 63 | -74 | 14.0 | 141 | 6.5 | 6 | 1.6 | 28170 | 10.0 | 21490 | 22 | 0.4 | | | | | |
| 16-44 | 4242 | -113.4972 | -2-12- | 0-119039 | 61850 | -0.15 | 1058 | 9017 | 56 | 231 | 9.8 | 64 | 27.8 | 4 | 1.5 | 32320 | 6.5 | 13870 | -11 | 0.6 | | | | | |
| 16-44 | 4217 | -113.4982 | -2-12- | 0-119040 | 65660 | -0.13 | 1265 | 36110 | 85 | -108 | 19.9 | 221 | 5.1 | 5 | 1.1 | 43080 | 6.5 | 21370 | 42 | 0.3 | | | | | |
| 16-44 | 4253 | -113.5050 | -2-15- | 0-119041 | 65520 | -0.15 | 1571 | 23680 | 77 | -120 | 13.5 | 102 | 5.3 | 4 | 1.9 | 30520 | 5.6 | 20770 | 38 | 0.3 | | | | | |
| 16-44 | 4217 | -113.5082 | -2-12- | 0-119042 | 69210 | -0.16 | 1368 | 31590 | 89 | -103 | 18.3 | 202 | 6.5 | 5 | 2.2 | 40180 | 7.1 | 22220 | 53 | 0.3 | | | | | |
| 16-44 | 4244 | -113.5264 | -2-12- | 0-119043 | 67030 | -0.17 | 937 | 11640 | 71 | 157 | 10.7 | 73 | 28.0 | 8 | 3.0 | 32090 | 5.7 | 14220 | 29 | 1.0 | | | | | |
| 16-44 | 4267 | -113.5494 | -2-11- | 0-119044 | 42760 | -0.08 | 455 | 2916 | 74 | 110 | 4.7 | 29 | 4.6 | 6 | 1.5 | 16240 | 14.3 | 20970 | 46 | 0.4 | | | | | |
| 16-44 | 3300 | -112.9619 | -2-15- | 0-119045 | 62280 | -0.12 | 744 | 12310 | 84 | 213 | 9.8 | 69 | 5.6 | 5 | 1.4 | 28770 | 7.7 | 18060 | 41 | 0.4 | | | | | |
| 16-44 | 3378 | -112.9731 | -2-15- | 0-119046 | 64010 | -0.11 | 696 | 13680 | 78 | -91 | 9.7 | 73 | 4.9 | 5 | 1.3 | 29430 | 7.3 | 20750 | 46 | 0.5 | | | | | |
| 16-44 | 3522 | -112.9829 | -2-15- | 0-119047 | 54940 | -0.09 | 580 | 7573 | 110 | -85 | 7.8 | 69 | 5.7 | 6 | 1.7 | 25680 | 13.2 | 16770 | 57 | 0.5 | | | | | |
| 16-44 | 3831 | -112.9806 | -2-11- | 0-119048 | 22670 | -0.07 | 414 | 55350 | 35 | 232 | 4.4 | 66 | 3.9 | 3 | 0.8 | 13840 | 3.5 | 9232 | 21 | 0.3 | | | | | |
| 16-44 | 4008 | -112.9892 | -2-12- | 0-119049 | 63880 | -0.14 | 786 | 7745 | 269 | 173 | 12.4 | 67 | 5.5 | 15 | 2.1 | 22480 | 20.4 | 28280 | 113 | 1.1 | | | | | |
| 16-44 | 4056 | -112.9856 | -2-12- | 0-119050 | 45690 | -0.11 | 517 | 11630 | 115 | 183 | 6.1 | 71 | 2.8 | 8 | 1.4 | 14540 | 17.0 | 21520 | 51 | 0.7 | | | | | |
| 16-44 | 4000 | -112.9461 | -2-12- | 0-119051 | 64730 | -0.12 | 707 | 9408 | 319 | -99 | 21.5 | 87 | 5.5 | 17 | 2.5 | 28310 | 15.5 | 21710 | 151 | 0.9 | | | | | |
| 16-44 | 4997 | -113.2147 | -2-15- | 0-119052 | 64630 | -0.12 | 929 | 27990 | 93 | -105 | 12.4 | 87 | 6.2 | 8 | 1.8 | 31680 | 9.5 | 22760 | 48 | 0.4 | | | | | |
| 16-44 | 4894 | -113.1939 | -2-15- | 0-119053 | 68980 | -0.14 | 1098 | 18480 | 126 | -102 | 12.4 | 91 | 6.1 | 7 | 2.1 | 32860 | 12.5 | 25570 | 48 | 0.5 | | | | | |
| 16-44 | 4850 | -113.1819 | -2-15- | 0-119054 | 67280 | -0.13 | 885 | 26530 | 102 | -93 | 14.3 | 92 | 4.9 | 7 | 1.9 | 35810 | 11.6 | 26150 | 50 | 0.5 | | | | | |
| 16-44 | 4814 | -113.1831 | -2-15- | 0-119055 | 65000 | -0.12 | 773 | 15160 | 103 | -111 | 11.0 | 78 | 5.8 | 4 | 1.9 | 31770 | 8.7 | 25970 | 50 | 0.5 | | | | | |
| 16-44 | 4897 | -113.1558 | -2-15- | 0-119056 | 67490 | -0.11 | 879 | 15620 | 102 | -107 | 10.4 | 74 | 6.4 | 8 | 1.7 | 30170 | 12.2 | 23750 | 53 | 0.5 | | | | | |
| 16-44 | 4717 | -113.1564 | -2-15- | 0-119057 | 67640 | -0.13 | 1000 | 25830 | 127 | -92 | 9.9 | 131 | 4.3 | 8 | 2.0 | 33820 | 13.1 | 25160 | 59 | 0.6 | | | | | |
| 16-44 | 4872 | -113.0828 | -2-12- | 0-119058 | 71260 | -0.12 | 840 | 14460 | 190 | 248 | 10.6 | 54 | 5.9 | 16 | 2.1 | 27000 | 22.4 | 31620 | 116 | 1.2 | | | | | |
| 16-44 | 4802 | -113.0853 | -2-12- | 0-119059 | 61690 | -0.13 | 493 | 14800 | 137 | -108 | 15.7 | 159 | 4.7 | 6 | 2.1 | 37240 | 15.7 | 16410 | 62 | 0.5 | | | | | |
| 16-44 | 4981 | -113.0822 | -2-11- | 0-119060 | 58870 | -0.13 | 706 | 22940 | 73 | -108 | 20.1 | 117 | 5.5 | 6 | 1.6 | 36220 | 9.6 | 16830 | 47 | 0.4 | | | | | |
| 16-44 | 4533 | -113.1091 | -2-15- | 0-119061 | 69420 | -0.13 | 1050 | 25860 | 157 | -112 | 17.7 | 80 | 7.7 | 6 | 2.1 | 39430 | 17.0 | 20250 | 73 | 0.6 | | | | | |
| 16-44 | 4042 | -113.1231 | -2-15- | 0-119062 | 63560 | -0.12 | 744 | 16520 | 86 | -90 | 11.7 | 68 | 7.1 | 6 | 1.5 | 30920 | 9.0 | 19810 | 45 | 0.4 | | | | | |
| 16-44 | 4019 | -113.1283 | -2-15- | 0-119063 | 54670 | -0.10 | 597 | 42300 | 88 | -98 | 10.3 | 61 | 4.9 | 4 | 1.5 | 28360 | 9.3 | 15180 | 40 | 0.4 | | | | | |
| 16-44 | 3725 | -113.1581 | -2-15- | 0-119064 | 27600 | -0.09 | 466 | 145700 | 33 | 390 | 4.6 | 38 | 3.1 | 3 | 0.6 | 13430 | 3.7 | 10930 | -10 | -0.1 | | | | | |
| 16-44 | 2672 | -112.9956 | -2-11- | 0-119065 | 19750 | -0.13 | 415 | 118900 | 28 | 203 | 3.3 | 34 | 2.8 | 2 | -0.3 | 11610 | 3.1 | 7593 | -15 | -0.1 | | | | | |
| 16-44 | 3661 | -113.0331 | -2-12- | 0-119066 | 58480 | -0.12 | 830 | 13970 | 135 | -93 | 12.0 | 64 | 5.6 | 10 | 1.6 | 27890 | 12.4 | 21770 | 64 | 0.5 | | | | | |
| 16-44 | 3678 | -113.0533 | -2-12- | 0-119067 | 57100 | -0.11 | 548 | 10810 | 163 | -110 | 6.6 | 55 | 4.0 | 7 | 2.1 | 30180 | 33.1 | 18100 | 77 | 0.8 | | | | | |
| 16-44 | 3692 | -113.0628 | -2-12- | 0-119068 | 63420 | -0.12 | 613 | 18190 | 124 | -105 | 10.3 | 67 | 4.0 | 10 | 1.6 | 29460 | 19.1 | 21120 | 72 | 0.7 | | | | | |
| 16-44 | 3822 | -113.0617 | -2-11- | 0-119069 | 66060 | -0.13 | 966 | 10510 | 183 | 151 | 6.4 | 53 | 3.3 | 12 | 1.8 | 27260 | 24.3 | 27610 | 76 | 1.0 | | | | | |
| 16-44 | 4153 | -113.0742 | -2-12- | 0-119070 | 75850 | -0.13 | 865 | 10260 | 250 | -93 | 7.5 | 45 | 5.8 | 15 | 2.2 | 28050 | 27.5 | 30550 | 145 | 1.2 | | | | | |
| 16-44 | 4300 | -113.0728 | -2-11- | 0-119071 | 60200 | -0.11 | 622 | 9839 | 298 | 206 | 3.8 | 43 | 2.5 | 16 | 3.2 | 24090 | 65.3 | 30210 | 157 | 1.8 | | | | | |
| 16-44 | 4058 | -113.0950 | -2-12- | 0-119072 | 66760 | -0.13 | 863 | 9366 | 171 | -96 | 10.3 | 48 | 5.2 | 15 | 2.0 | 27060 | 16.6 | 24230 | 90 | 0.9 | | | | | |
| 16-44 | 4047 | -113.0928 | -2-12- | 0-119073 | 60370 | -0.13 | 841 | 11240 | 225 | 167 | 9.2 | 41 | 2.3 | 15 | 2.2 | 25150 | 33.3 | 32500 | 107 | 1.4 | | | | | |
| 16-44 | 3708 | -113.0917 | -2-12- | 0-119074 | 57280 | -0.12 | 1103 | 23830 | 112 | -113 | 9.6 | 104 | 4.9 | 7 | 1.9 | 30200 | 15.1 | 23480 | 60 | 0.6 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | U/Th RATIO | |
|---------------------------|----------|-----------|---------|-------------|-----------|---|---|------|------|----|----|------|------|-----|------|------|-------|----|---------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | | V |
| 16-44.6417-113.3836-2-12- | 0-119022 | 15550 | 517 | 15070 | 71 | -3 | 15.4 | 10.2 | -242 | -1 | -1 | 13.5 | 3360 | 84 | -1.8 | 87 | 0.481 | | | |
| 16-44.8356-113.5994-2-12- | 0-119024 | 8917 | 516 | 13970 | 96 | -3 | 10.8 | 6.9 | -222 | -1 | -1 | 13.6 | 4315 | 71 | 4.2 | 58 | 0.346 | | | |
| 16-44.8503-113.5458-2-12- | 0-119025 | 7452 | 366 | 14020 | 73 | -3 | 10.5 | 7.9 | -233 | -1 | -1 | 13.2 | 4482 | 77 | 5.4 | -84 | 0.644 | | | |
| 16-44.8822-113.5475-2-12- | 0-119026 | 7534 | 654 | 14880 | -33 | -3 | 12.6 | 8.5 | -759 | -1 | -1 | 15.0 | 5840 | 84 | 4.4 | 114 | 0.293 | | | |
| 16-44.9081-113.5752-2-11- | 0-119027 | 8481 | 1506 | 5245 | 79 | -3 | 11.4 | 8.7 | -353 | -1 | -1 | 11.6 | 2201 | 61 | 2.8 | 270 | 0.284 | | | |
| 16-44.8282-113.6082-2-12- | 0-119028 | 11060 | 359 | 13020 | 96 | -3 | 8.7 | 6.0 | -219 | -1 | -1 | 9.7 | 3427 | 56 | -1.7 | -77 | 0.361 | | | |
| 16-44.8144-113.5922-2-12- | 0-119029 | 18210 | 712 | 11950 | 67 | -3 | 13.1 | 7.4 | -275 | -1 | -1 | 12.0 | 3938 | 81 | 3.9 | 60 | 0.250 | | | |
| 16-44.8053-113.5504-2-12- | 0-119030 | 10710 | 495 | 11110 | 75 | -3 | 11.2 | 7.9 | 313 | -1 | -1 | 11.9 | 4602 | 70 | 4.8 | 94 | 0.345 | | | |
| 16-44.7817-113.5206-2-15- | 0-119031 | 7864 | 596 | 9935 | 95 | -3 | 10.9 | 9.8 | -240 | -1 | -1 | 11.7 | 2959 | 40 | 5.0 | 120 | 0.393 | | | |
| 16-44.8278-113.4625-2-12- | 0-119032 | 6723 | 220 | 8728 | 94 | -2 | 7.2 | 7.2 | -158 | -1 | -1 | 12.4 | 2957 | 39 | 4.3 | 27 | 0.597 | | | |
| 16-44.8433-113.4978-2-12- | 0-119034 | 6567 | 204 | 13670 | 56 | -2 | 6.3 | 8.2 | -184 | -1 | -1 | 12.8 | 2602 | 33 | 5.5 | 40 | 0.586 | | | |
| 16-44.7769-113.5006-2-11- | 0-119025 | 6462 | 111 | 6072 | 84 | -2 | 7.1 | 8.5 | -147 | -1 | -1 | 10.8 | 2599 | 49 | 4.1 | 54 | 1.056 | | | |
| 16-44.7839-113.5044-2-11- | 0-119036 | 11760 | 244 | 6431 | 74 | -2 | 5.2 | 4.7 | -160 | -1 | -1 | 8.5 | 2094 | 44 | 3.7 | -77 | 0.412 | | | |
| 16-44.7964-113.4042-2-12- | 0-119027 | 21270 | 725 | 7183 | 85 | -3 | 14.5 | 6.7 | -260 | -1 | -1 | 13.1 | 3902 | 115 | 5.1 | -16 | 0.282 | | | |
| 16-44.7953-113.4042-2-12- | 0-119029 | 7376 | 764 | 6640 | 83 | -3 | 9.8 | 7.0 | -272 | -1 | -1 | 11.4 | 3245 | 74 | 3.7 | 97 | 0.623 | | | |
| 16-44.4242-113.4972-2-12- | 0-119030 | 7461 | 640 | 3586 | 81 | -1 | 11.4 | 7.6 | -288 | -2 | -1 | 11.1 | 2183 | 59 | -2.3 | 55 | 0.468 | | | |
| 16-44.4217-113.4983-2-12- | 0-119040 | 19070 | 740 | 14270 | 67 | -3 | 19.7 | 6.7 | 893 | -1 | -1 | 11.2 | 3932 | 125 | -2.0 | -41 | 0.438 | | | |
| 16-44.4253-113.5050-2-15- | 0-119041 | 10690 | 1206 | 12040 | -35 | -4 | 10.6 | 4.1 | -394 | -2 | -1 | 10.0 | 4464 | 87 | -3.0 | 151 | 0.320 | | | |
| 16-44.4217-113.5083-2-12- | 0-119042 | 19270 | 594 | 12680 | 88 | -4 | 18.6 | 7.2 | 627 | -1 | -1 | 12.1 | 4692 | 127 | -2.7 | 104 | 0.727 | | | |
| 16-44.4244-113.5264-2-12- | 0-119043 | 6663 | 587 | 2295 | 82 | -4 | 14.0 | 13.4 | -300 | -2 | -1 | 12.5 | 2210 | 45 | 6.2 | 70 | 1.880 | | | |
| 16-44.4267-113.5492-2-11- | 0-119044 | 4290 | 218 | 3941 | 58 | -2 | 4.4 | 7.0 | -141 | -1 | -1 | 15.3 | 3177 | 34 | 3.8 | -25 | 0.458 | | | |
| 16-44.3303-113.5019-2-15- | 0-119045 | 9013 | 1147 | 10440 | 68 | -3 | 9.5 | 6.5 | -330 | -1 | -1 | 12.4 | 4031 | 105 | 3.9 | -91 | 0.266 | | | |
| 16-44.3378-112.9731-2-15- | 0-119046 | 8903 | 1114 | 9731 | 86 | -3 | 9.9 | 5.9 | -316 | -1 | -1 | 11.8 | 3198 | 101 | 2.8 | 201 | 0.271 | | | |
| 16-44.3522-112.9829-2-15- | 0-119047 | 2650 | 671 | 7407 | 68 | 3 | 8.4 | 10.4 | -227 | 4 | -1 | 14.1 | 3527 | 71 | 5.2 | 121 | 0.284 | | | |
| 16-44.3831-112.9866-2-11- | 0-119048 | 19080 | 600 | 3792 | -32 | -2 | 4.2 | 3.2 | -294 | -2 | -1 | 4.1 | 1495 | 112 | -1.3 | 708 | 2.049 | | | |
| 16-44.4008-112.9992-2-12- | 0-119049 | 5002 | 647 | 6557 | 85 | -3 | 7.1 | 21.3 | -282 | 6 | 3 | 24.0 | 3757 | 98 | 10.3 | 88 | 0.729 | | | |
| 16-44.4056-112.9856-2-12- | 0-119050 | 5365 | 214 | 7296 | 73 | -2 | 6.0 | 8.5 | -188 | 4 | -1 | 13.5 | 3377 | 134 | 5.1 | 168 | 0.600 | | | |
| 16-44.4000-112.9461-2-12- | 0-119051 | 5936 | 905 | 6684 | 111 | -3 | 8.2 | 35.0 | -313 | 7 | 4 | 19.4 | 3417 | 94 | 10.9 | 252 | 0.866 | | | |
| 16-44.4997-113.2147-2-15- | 0-119052 | 15770 | 722 | 10890 | 89 | -3 | 10.8 | 8.6 | -259 | -1 | -1 | 17.1 | 3579 | 77 | -1.8 | 116 | 0.222 | | | |
| 16-44.4894-113.1529-2-15- | 0-119053 | 9968 | 524 | 12290 | 98 | -3 | 11.1 | 10.3 | -315 | -1 | -1 | 18.3 | 3468 | 82 | 6.7 | -114 | 0.230 | | | |
| 16-44.4850-113.1819-2-15- | 0-119054 | 11940 | 841 | 11560 | 98 | -3 | 11.9 | 8.1 | -286 | -1 | -1 | 16.8 | 3978 | 80 | 7.2 | 147 | 0.232 | | | |
| 16-44.4814-113.1831-2-15- | 0-119055 | 9329 | 826 | 10960 | 104 | -3 | 11.5 | 11.3 | -296 | -1 | -1 | 16.4 | 3100 | 67 | 4.7 | 124 | 0.261 | | | |
| 16-44.4897-113.1558-2-15- | 0-119056 | 6172 | 839 | 11400 | 99 | -3 | 10.1 | 9.2 | -268 | -1 | -1 | 17.9 | 4165 | 65 | -1.7 | 175 | 0.268 | | | |
| 16-44.4717-113.1564-2-15- | 0-119057 | 11640 | 842 | 12670 | 83 | -3 | 11.4 | 10.0 | -288 | -1 | -1 | 18.9 | 4228 | 87 | 5.5 | 116 | 0.206 | | | |
| 16-44.4872-113.0828-2-12- | 0-119058 | 7804 | 409 | 9742 | 129 | -3 | 8.4 | 18.8 | -251 | 9 | 2 | 26.2 | 5280 | 72 | 10.0 | 158 | 0.714 | | | |
| 16-44.4992-113.0653-2-12- | 0-119059 | 12190 | 759 | 5671 | 78 | -3 | 12.5 | 11.4 | -290 | 4 | -1 | 16.4 | 4627 | 110 | 5.8 | 113 | 0.463 | | | |
| 16-44.4981-113.0822-2-11- | 0-119060 | 10180 | 536 | 10820 | 84 | -3 | 11.6 | 5.6 | -250 | -1 | 1 | 9.7 | 6217 | 135 | -2.0 | -24 | 0.536 | | | |
| 16-44.4533-113.1081-2-15- | 0-119061 | 8389 | 1370 | 14210 | 75 | -3 | 11.7 | 9.5 | -357 | 3 | -1 | 16.7 | 5506 | 86 | 5.4 | -19 | 0.377 | | | |
| 16-44.4042-113.1231-2-15- | 0-119062 | 9495 | 1069 | 9061 | 79 | -3 | 10.3 | 7.0 | -320 | -1 | -1 | 14.5 | 3975 | 73 | 3.8 | 213 | 0.221 | | | |
| 16-44.4019-113.1282-2-15- | 0-119063 | 22180 | 855 | 9456 | 75 | -2 | 5.4 | 8.8 | -271 | -1 | -1 | 12.0 | 2582 | 59 | -1.7 | 98 | 0.233 | | | |
| 16-44.3725-113.1581-2-15- | 0-119064 | 24810 | 426 | 5392 | -26 | -2 | 4.5 | 3.4 | -235 | -1 | -1 | 6.2 | 1735 | 60 | -1.5 | 122 | 0.468 | | | |
| 16-44.2672-112.9956-2-11- | 0-119065 | 12050 | 337 | 2978 | -33 | -3 | 2.5 | 2.1 | -279 | -2 | -1 | -2.2 | 1356 | 33 | -2.2 | 90 | | | | |
| 16-44.3661-113.0331-2-12- | 0-119066 | 7962 | 1280 | 8118 | 63 | -3 | 8.4 | 10.8 | -353 | 3 | 1 | 14.2 | 3428 | 128 | 5.8 | 220 | 0.373 | | | |
| 16-44.3678-113.0533-2-12- | 0-119067 | 4148 | 731 | 10730 | 89 | -3 | 7.9 | 13.4 | -283 | 5 | -1 | 17.3 | 4195 | 64 | 9.6 | 98 | 0.243 | | | |
| 16-44.3692-113.0628-2-12- | 0-119068 | 6476 | 530 | 11470 | 77 | -3 | 10.3 | 10.7 | -245 | 5 | -1 | 17.1 | 4760 | 78 | 6.2 | 106 | 0.339 | | | |
| 16-44.3822-112.0617-2-11- | 0-119069 | 7772 | 503 | 11010 | 97 | -3 | 8.1 | 12.4 | -250 | 6 | -1 | 21.7 | 3799 | 58 | 7.1 | 94 | 0.369 | | | |
| 16-44.4152-113.0742-2-12- | 0-119070 | 5122 | 735 | 11410 | 148 | -3 | 9.9 | 23.3 | -287 | 8 | 2 | 33.0 | 4513 | 58 | 14.0 | 107 | 1.024 | | | |
| 16-44.4300-113.0728-2-11- | 0-119071 | 4393 | 334 | 18200 | 98 | -3 | 9.2 | 26.5 | -225 | 17 | 3 | 39.6 | 7332 | 37 | 14.9 | 44 | 0.437 | | | |
| 16-44.4058-113.0950-2-12- | 0-119072 | 4509 | 405 | 8901 | 102 | -3 | 7.3 | 13.2 | -229 | 6 | 2 | 21.9 | 4419 | 49 | 5.9 | 120 | 0.484 | | | |
| 16-44.4047-113.0928-2-12- | 0-119073 | 3104 | 1334 | 12550 | 108 | -3 | 6.5 | 16.1 | -379 | 9 | 2 | 30.0 | 4530 | 40 | 11.4 | -33 | 0.360 | | | |
| 16-44.3708-113.0917-2-12- | 0-119074 | 9588 | 1264 | 11940 | 109 | -3 | 9.6 | 7.6 | -372 | -1 | -1 | 16.7 | 4788 | 55 | 5.3 | 113 | 0.257 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE REPLICATE | DOE LAB LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|-------------------------------------|----------------------------|---|-----|-----|----|----|-----|----|----|---|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.3442-113.0867-2-15- | 0-L19075 | -5 | -5 | -5 | 22 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 96 | -1 | 14 | | | | | | | |
| 16-44.9782-113.6350-2-12- | 0-L19074 | -5 | -5 | -5 | 49 | 20 | -15 | 8 | -10 | -15 | 8 | -5 | 277 | 2 | 23 | | | | | | | |
| 16-44.9944-113.5136-2-11- | 0-L19077 | -5 | -5 | -5 | 16 | -20 | 17 | 11 | -10 | -15 | 8 | -5 | 240 | 2 | 27 | | | | | | | |
| 16-44.9919-113.5628-2-11- | 0-L19078 | -5 | -5 | -5 | 23 | -20 | -15 | 12 | -10 | -15 | -5 | -5 | 175 | 2 | 19 | | | | | | | |
| 16-44.9822-113.5317-2-11- | 0-L19079 | -5 | -5 | -5 | 35 | 40 | -15 | 11 | -10 | -15 | 5 | -5 | 241 | 2 | 40 | | | | | | | |
| 16-44.9844-113.5758-2-12- | 0-L19080 | -5 | 5 | -5 | 24 | -20 | -15 | 26 | -10 | -15 | -5 | -5 | 375 | 2 | 30 | | | | | | | |
| 16-44.9464-113.5656-2-12- | 0-L19081 | -5 | 5 | -5 | 14 | -20 | -15 | 5 | -10 | -15 | 13 | -5 | 309 | 2 | 20 | | | | | | | |
| 16-44.9253-113.5464-2-12- | 0-L19082 | -5 | -5 | -5 | 60 | -20 | -15 | -5 | -10 | 15 | 6 | -5 | 318 | 2 | 28 | | | | | | | |
| 16-44.9257-113.5278-2-11- | 0-L19083 | -5 | -5 | -5 | 33 | -20 | -15 | -5 | -10 | -15 | 11 | -5 | 197 | 2 | 38 | | | | | | | |
| 16-44.9522-113.6164-2-12- | 0-L19084 | -5 | -5 | -5 | 115 | -20 | 18 | 12 | -10 | -15 | 5 | -5 | 258 | 2 | 20 | | | | | | | |
| 16-44.9530-113.5503-2-12- | 0-L19085 | -5 | 5 | -5 | 230 | -20 | 21 | 20 | -10 | -15 | -5 | -5 | 291 | 3 | 19 | | | | | | | |
| 16-44.9678-113.5344-2-12- | 0-L19086 | -5 | -5 | -5 | 52 | -20 | 35 | 5 | -10 | -15 | 6 | -5 | 234 | 2 | 22 | | | | | | | |
| 16-44.9778-113.4978-2-12- | 0-L19087 | -5 | 8 | -5 | 344 | -20 | -15 | 24 | -10 | -15 | 15 | -5 | 482 | 2 | 26 | | | | | | | |
| 16-44.9678-113.4747-2-12- | 0-L19088 | -5 | -5 | -5 | 133 | 22 | 19 | 18 | -10 | 16 | 13 | -5 | 164 | 2 | 42 | | | | | | | |
| 16-44.9747-113.4781-2-12- | 0-L19089 | -5 | -5 | -5 | 16 | -20 | -15 | 9 | -10 | -15 | 10 | -5 | 380 | 2 | 25 | | | | | | | |
| 16-44.9839-113.4603-2-12- | 0-L19090 | -5 | -5 | -5 | 52 | -20 | 18 | 17 | -10 | 19 | -5 | -5 | 296 | 2 | 25 | | | | | | | |
| 16-44.9750-113.4494-2-90- | 0-L19091 | -5 | -5 | -5 | 18 | -20 | -15 | 28 | -10 | -15 | -5 | -5 | 208 | 2 | 36 | | | | | | | |
| 16-44.9914-113.4994-2-12- | 0-L19092 | -5 | 8 | -5 | 27 | -20 | 30 | -5 | -10 | -15 | 10 | -5 | 273 | 2 | 24 | | | | | | | |
| 16-44.9272-113.5719-2-11- | 0-L19093 | -5 | 5 | -5 | 75 | -20 | 39 | 11 | -10 | -15 | 8 | -5 | 236 | 2 | 76 | | | | | | | |
| 16-44.8456-113.7508-2-12- | 0-L19094 | -5 | 5 | -5 | 33 | -20 | -15 | 6 | -10 | 16 | 7 | -5 | 139 | 2 | 28 | | | | | | | |
| 16-44.6122-113.3631-2-11- | 0-L19095 | -5 | 6 | -5 | 24 | -20 | 25 | 19 | -10 | -15 | 9 | -5 | 224 | 1 | 21 | | | | | | | |
| 16-44.6186-113.3939-2-12- | 0-L19096 | -5 | 6 | -5 | 23 | -20 | -15 | 13 | -10 | 19 | 5 | -5 | 186 | 2 | 20 | | | | | | | |
| 16-44.6072-113.3922-2-12- | 0-L19097 | -5 | -5 | -5 | 16 | -20 | 32 | 5 | -10 | 23 | 9 | -5 | 346 | 2 | 18 | | | | | | | |
| 16-44.6083-113.3947-2-12- | 0-L19098 | -5 | 6 | -5 | 65 | -20 | -15 | 15 | 18 | -15 | 6 | -5 | 204 | 2 | 24 | | | | | | | |
| 16-44.6093-113.3981-2-11- | 0-L19099 | -5 | -5 | -5 | 18 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 142 | -1 | 19 | | | | | | | |
| 16-44.5800-113.4347-2-12- | 0-L19100 | -5 | -5 | -5 | 20 | -20 | 33 | -5 | -10 | -15 | 13 | -5 | 213 | 1 | 19 | | | | | | | |
| 16-44.5711-113.3939-2-12- | 0-L19101 | -5 | 7 | -5 | 34 | -20 | 21 | 5 | -10 | -15 | 11 | -5 | 191 | 2 | 24 | | | | | | | |
| 16-44.5619-113.4378-2-11- | 0-L19102 | -5 | -5 | -5 | 12 | -20 | 24 | 15 | -10 | -15 | -5 | -5 | 107 | -1 | 17 | | | | | | | |
| 16-44.5225-113.4356-2-12- | 0-L19103 | -5 | 6 | 5 | 25 | -20 | 52 | 13 | -10 | -15 | 9 | -5 | 130 | -1 | 18 | | | | | | | |
| 16-44.5203-113.4333-2-12- | 0-L19104 | -5 | 7 | -5 | 29 | -20 | 25 | 17 | -10 | -15 | 6 | -5 | 186 | 2 | 23 | | | | | | | |
| 16-44.5075-113.4522-2-12- | 0-L19105 | -5 | 8 | -5 | 18 | -20 | 22 | 18 | -10 | -15 | 8 | -5 | 248 | -1 | 39 | | | | | | | |
| 16-44.4944-113.4682-2-12- | 0-L19106 | -5 | 10 | 5 | 31 | -20 | 30 | 12 | -10 | -15 | 13 | -5 | 262 | 3 | 26 | | | | | | | |
| 16-44.4936-113.4708-2-12- | 0-L19107 | -5 | 5 | -5 | 27 | -20 | 25 | 12 | -10 | -15 | 6 | -5 | 200 | -1 | 21 | | | | | | | |
| 16-44.4964-113.4431-2-12- | 0-L19108 | -5 | -5 | -5 | 26 | -20 | 20 | 22 | -10 | -15 | -5 | -5 | 216 | 1 | 41 | | | | | | | |
| 16-44.5389-113.4150-2-12- | 0-L19109 | -5 | -5 | -5 | 35 | -20 | 16 | 27 | -10 | -15 | 12 | -5 | 142 | -1 | 97 | | | | | | | |
| 16-44.5494-113.4211-2-12- | 0-L19110 | -5 | 10 | -5 | 30 | -20 | 19 | 13 | -10 | -15 | -5 | -5 | 154 | 2 | 22 | | | | | | | |
| 16-44.5619-113.4200-2-11- | 0-L19111 | -5 | -5 | -5 | 35 | -20 | 17 | -5 | -10 | 21 | 12 | -5 | 104 | 1 | 10 | | | | | | | |
| 16-44.4672-113.2653-2-15- | 0-L19112 | -5 | -5 | -5 | 24 | -20 | -15 | 341 | -10 | -15 | -5 | -5 | 155 | 2 | 17 | | | | | | | |
| 16-44.4933-113.2831-2-12- | 0-L19113 | -5 | -5 | -5 | 45 | -20 | -15 | 353 | -10 | -15 | -5 | -5 | 185 | -1 | 17 | | | | | | | |
| 16-44.5036-113.3042-2-12- | 0-L19114 | -5 | -5 | -5 | 31 | -20 | -15 | 31 | -10 | -15 | -5 | -5 | 232 | 2 | 35 | | | | | | | |
| 16-44.4800-113.2525-2-11- | 0-L19115 | -5 | 7 | -5 | -10 | -20 | -15 | 59 | -10 | -15 | -5 | -5 | 180 | 1 | 9 | | | | | | | |
| 16-44.4714-113.2478-2-15- | 0-L19116 | -5 | -5 | 12 | 220 | -20 | 15 | 6016 | -10 | -15 | -5 | -5 | 199 | 2 | 35 | | | | | | | |
| 16-44.7539-113.7900-2-11- | 0-L19117 | -5 | 7 | -5 | 30 | -20 | -15 | 6 | -10 | -15 | 7 | -5 | 178 | -1 | 35 | | | | | | | |
| 16-44.7997-113.8219-2-12- | 0-L19118 | -5 | 7 | -5 | 23 | -20 | 15 | 16 | -10 | -15 | 5 | -5 | 294 | -1 | 37 | | | | | | | |
| 16-44.8003-113.8217-2-12- | 0-L19119 | -5 | -5 | -5 | 23 | -20 | -15 | 12 | -10 | -15 | 10 | -5 | 256 | 2 | 18 | | | | | | | |
| 16-44.5272-113.3164-2-15- | 0-L19120 | -5 | 6 | -5 | 31 | -20 | 15 | 22 | -10 | -15 | 11 | -5 | 223 | 1 | 35 | | | | | | | |
| 16-44.5528-113.2975-2-11- | 0-L19121 | -5 | -5 | -5 | -10 | -20 | -15 | 6 | -10 | -15 | 8 | -5 | 313 | 2 | 13 | | | | | | | |
| 16-44.8639-113.9306-2-12- | 0-L19122 | -5 | -5 | -5 | 74 | -20 | -15 | 161 | -10 | -15 | -5 | -5 | 184 | 2 | 27 | | | | | | | |
| 16-44.3392-113.4117-2-11- | 0-L19123 | -5 | 5 | -5 | 20 | -20 | -15 | 17 | -10 | -15 | 7 | -5 | 176 | 2 | 33 | | | | | | | |
| 16-44.5292-113.5747-2-12- | 0-L19124 | -5 | 6 | -5 | 11 | -20 | -15 | 7 | -10 | -15 | 10 | -5 | 285 | -1 | 43 | | | | | | | |
| 16-44.5286-113.5772-2-12- | 0-L19125 | -5 | 7 | -5 | 13 | -20 | -15 | 12 | -10 | 25 | 9 | -5 | 330 | -1 | 38 | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|--|---|------|-----|------|----|-----|-------|------|-------|-----|------|----|----|---|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La |
| 16-44.3442-113.0567-2-15- | 0-119075 | 24570 | -0.07 | 319 | 167200 | 33 | -84 | 3.7 | 38 | 2.6 | 2 | 0.7 | 13810 | 3.0 | 10520 | 17 | 0.2 | | | | |
| 16-44.9783-113.6350-2-12- | 0-119076 | 58450 | -0.10 | 814 | 13610 | 71 | 182 | 8.9 | 87 | 6.9 | 6 | 1.6 | 25980 | 11.2 | 19690 | 44 | 0.4 | | | | |
| 16-44.9044-113.5136-2-11- | 0-119077 | 61010 | -0.13 | 863 | 9283 | 91 | 164 | 9.1 | 282 | 21.2 | 5 | 1.4 | 21870 | 11.3 | 23150 | 40 | 0.4 | | | | |
| 16-44.9919-113.5028-2-11- | 0-119078 | 48030 | -0.12 | 782 | 11060 | 51 | -87 | 7.5 | 155 | 23.5 | 5 | 1.1 | 20460 | 7.9 | 23730 | -10 | 0.2 | | | | |
| 16-44.9822-113.5217-2-11- | 0-119079 | 53810 | -0.12 | 765 | 11360 | 103 | -136 | 10.2 | 54 | 6.5 | 5 | 1.8 | 27870 | 10.9 | 18010 | 47 | 0.6 | | | | |
| 16-44.9844-113.5758-2-12- | 0-119080 | 60280 | -0.11 | 681 | 8794 | 89 | -101 | 6.6 | 60 | 7.2 | 8 | 1.7 | 23110 | 16.1 | 21110 | 54 | 0.7 | | | | |
| 16-44.9464-113.5656-2-12- | 0-119081 | 62890 | -0.13 | 886 | 13710 | 99 | -96 | 11.7 | 103 | 4.0 | 6 | 1.9 | 31050 | 14.3 | 21720 | 45 | 0.6 | | | | |
| 16-44.9253-113.5464-2-12- | 0-119082 | 63230 | -0.12 | 820 | 8962 | 96 | 160 | 6.2 | 57 | 4.0 | 10 | 1.9 | 29860 | 13.6 | 20670 | 54 | 0.7 | | | | |
| 16-44.9267-113.5278-2-11- | 0-119083 | 71040 | -0.12 | 753 | 6659 | 110 | -129 | 7.7 | 54 | 5.1 | 7 | 2.0 | 28760 | 7.5 | 23140 | 43 | 0.7 | | | | |
| 16-44.9522-113.6164-2-12- | 0-119084 | 61420 | -0.11 | 1102 | 18170 | 78 | -96 | 11.6 | 287 | 11.3 | 6 | 1.3 | 30100 | 11.2 | 21600 | 44 | 0.4 | | | | |
| 16-44.9539-113.5003-2-12- | 0-119085 | 61760 | -0.13 | 984 | 20730 | 66 | -92 | 14.0 | 421 | 16.3 | 6 | 2.0 | 33320 | 15.8 | 24450 | 52 | 0.4 | | | | |
| 16-44.9678-113.5244-2-12- | 0-119086 | 62820 | -0.15 | 899 | 18800 | 95 | -105 | 20.8 | 468 | 21.1 | 5 | 2.4 | 46400 | 11.4 | 20520 | 59 | 0.5 | | | | |
| 16-44.9778-113.4978-2-12- | 0-119087 | 54120 | -0.10 | 668 | 6841 | 83 | -99 | 5.8 | 75 | 12.3 | 8 | 1.9 | 28010 | 23.4 | 17120 | 46 | 0.6 | | | | |
| 16-44.9678-113.4747-2-12- | 0-119088 | 63670 | -0.21 | 1188 | 13490 | 181 | -105 | 8.8 | 71 | 43.1 | 18 | 4.8 | 28310 | 10.4 | 15680 | 120 | 1.0 | | | | |
| 16-44.9747-113.4781-2-12- | 0-119089 | 58510 | -0.10 | 594 | 4991 | 78 | -85 | 6.7 | 68 | 8.4 | 7 | 1.7 | 30140 | 18.2 | 18670 | 43 | 0.6 | | | | |
| 16-44.9839-113.4603-2-12- | 0-119090 | 52590 | -0.11 | 387 | 8025 | 121 | -111 | 8.5 | 65 | 6.3 | 7 | 2.5 | 28950 | 17.1 | 14330 | 49 | 0.7 | | | | |
| 16-44.9750-113.4494-2-99- | 0-119091 | 67500 | -0.12 | 715 | 5078 | 53 | -114 | 6.0 | 48 | 40.6 | 4 | 1.3 | 21160 | 9.5 | 26140 | 24 | 0.3 | | | | |
| 16-44.9914-113.4994-2-12- | 0-119092 | 66380 | -0.14 | 994 | 22080 | 116 | -97 | 16.8 | 242 | 10.4 | 7 | 2.0 | 41210 | 12.9 | 19240 | 52 | 0.5 | | | | |
| 16-44.9272-113.5719-2-11- | 0-119093 | 66330 | -0.13 | 1087 | 17540 | 119 | -108 | 11.3 | 54 | 6.2 | 12 | 2.4 | 28600 | 9.0 | 2180 | 53 | 0.9 | | | | |
| 16-44.8456-113.7508-2-12- | 0-119094 | 54510 | -0.13 | 656 | 17510 | 75 | 334 | 13.1 | 78 | 3.9 | 6 | 1.9 | 30490 | 5.9 | 17880 | 49 | 0.5 | | | | |
| 16-44.6122-113.3631-2-11- | 0-119095 | 41790 | -0.11 | 588 | 21310 | 51 | 216 | 4.9 | 42 | 26.1 | 4 | 1.0 | 17390 | 9.3 | 16780 | 31 | 0.3 | | | | |
| 16-44.6186-113.3639-2-12- | 0-119096 | 71640 | -0.13 | 1538 | 30100 | 112 | -105 | 15.4 | 112 | 3.9 | 5 | 2.0 | 35230 | 8.7 | 18590 | 57 | 0.3 | | | | |
| 16-44.6072-113.3922-2-12- | 0-119097 | 63100 | -0.13 | 1171 | 40960 | 98 | -95 | 22.0 | 317 | -1.9 | 5 | 2.1 | 50100 | 14.1 | 14070 | 61 | 0.3 | | | | |
| 16-44.6083-113.3947-2-12- | 0-119098 | 62150 | -0.11 | 605 | 15760 | 85 | 135 | 11.6 | 136 | 4.0 | 3 | 1.9 | 30710 | 9.8 | 15480 | 47 | 0.4 | | | | |
| 16-44.6083-113.3981-2-11- | 0-119099 | 46140 | -0.11 | 600 | 18940 | 50 | 299 | 4.3 | 34 | 3.8 | 4 | 1.0 | 14120 | 6.2 | 14590 | 42 | 0.4 | | | | |
| 16-44.5800-113.4347-2-12- | 0-119100 | 58050 | -0.14 | 920 | 30740 | 72 | -115 | 18.3 | 291 | 4.3 | 4 | 1.7 | 36030 | 9.9 | 14780 | 40 | 0.3 | | | | |
| 16-44.5711-113.3639-2-12- | 0-119101 | 65670 | -0.13 | 1275 | 28920 | 95 | -102 | 16.6 | 135 | 4.1 | 4 | 1.9 | 34290 | 7.5 | 18690 | 45 | 0.3 | | | | |
| 16-44.5619-113.4278-2-11- | 0-119102 | 46320 | -0.12 | 694 | 32020 | 62 | -125 | 12.5 | 120 | 3.2 | 3 | 1.5 | 29730 | 5.2 | 14070 | 27 | -0.1 | | | | |
| 16-44.5225-113.4356-2-12- | 0-119103 | 55260 | -0.13 | 1300 | 32240 | 61 | -111 | 17.7 | 297 | 4.7 | 3 | 1.0 | 33740 | 4.6 | 13770 | 38 | 0.2 | | | | |
| 16-44.5203-113.4333-2-12- | 0-119104 | 69000 | -0.13 | 1405 | 36390 | 119 | -98 | 20.1 | 146 | 2.9 | 4 | 2.0 | 42830 | 8.3 | 16600 | 50 | 0.4 | | | | |
| 16-44.5075-113.4522-2-12- | 0-119105 | 66150 | -0.12 | 990 | 19890 | 83 | 186 | 12.0 | 142 | 7.1 | 5 | 1.8 | 32220 | 10.3 | 15670 | 42 | 0.4 | | | | |
| 16-44.4944-113.4683-2-12- | 0-119106 | 61700 | -0.12 | 820 | 37490 | 95 | -106 | 23.8 | 239 | 3.9 | 4 | 2.1 | 52920 | 11.4 | 18720 | 48 | 0.4 | | | | |
| 16-44.4936-113.4708-2-12- | 0-119107 | 66250 | -0.12 | 1210 | 33590 | 94 | -118 | 18.6 | 128 | 3.0 | 5 | 1.1 | 45350 | 7.9 | 17490 | 57 | 0.3 | | | | |
| 16-44.4964-113.4431-2-12- | 0-119108 | 65600 | -0.14 | 968 | 17720 | 99 | -98 | 12.8 | 126 | 7.7 | 5 | 1.8 | 32940 | 11.3 | 19160 | 41 | 0.5 | | | | |
| 16-44.5380-113.4150-2-12- | 0-119109 | 70900 | -0.15 | 1820 | 14460 | 64 | -117 | 10.8 | 73 | 18.5 | 4 | 1.6 | 31620 | 5.7 | 19180 | 46 | 0.4 | | | | |
| 16-44.5494-113.4211-2-12- | 0-119110 | 62030 | -0.14 | 907 | 16290 | 79 | -117 | 13.3 | 115 | 5.1 | 3 | 1.7 | 30620 | 7.5 | 11600 | 41 | 0.2 | | | | |
| 16-44.5619-113.4200-2-11- | 0-119111 | 36820 | -0.11 | 697 | 20330 | 42 | 162 | 11.9 | 50 | 3.2 | 3 | 0.7 | 18820 | 4.4 | 9265 | -12 | 0.2 | | | | |
| 16-44.4672-113.2653-2-15- | 0-119112 | 46350 | -0.12 | 238 | 8672 | 55 | -75 | 7.2 | 46 | 7.6 | 4 | 1.2 | 20630 | 5.7 | 11450 | -9 | 0.3 | | | | |
| 16-44.4933-113.2831-2-12- | 0-119113 | 51120 | -0.12 | 658 | 20190 | 66 | 213 | 8.2 | 42 | 8.1 | 4 | 1.2 | 27010 | 6.9 | 13490 | 45 | 0.2 | | | | |
| 16-44.5036-113.3042-2-12- | 0-119114 | 59890 | -0.11 | 595 | 9521 | 82 | -98 | 11.1 | 63 | 7.1 | 3 | 1.6 | 32630 | 11.0 | 16030 | 44 | 0.5 | | | | |
| 16-44.4900-113.2525-2-11- | 0-119115 | 31110 | -0.08 | 469 | 12410 | 43 | 165 | 3.0 | 36 | 3.9 | 4 | 1.0 | 10580 | 6.4 | 9887 | -8 | 0.2 | | | | |
| 16-44.4714-113.2478-2-15- | 0-119116 | 50300 | -0.16 | 556 | 35910 | 76 | -119 | 8.5 | 59 | 15.8 | 5 | 1.5 | 43300 | 7.5 | 12430 | 37 | 0.4 | | | | |
| 16-44.7539-113.2760-2-11- | 0-119117 | 60630 | -0.12 | 915 | 8014 | 55 | 276 | 7.9 | 50 | 5.2 | 6 | 1.6 | 24640 | 7.8 | 18740 | 39 | 0.5 | | | | |
| 16-44.7997-113.8219-2-12- | 0-119118 | 58160 | -0.13 | 621 | 7891 | 90 | -102 | 5.0 | 37 | 8.9 | 7 | 2.2 | 26670 | 15.0 | 21040 | 98 | 0.6 | | | | |
| 16-44.8003-113.8217-2-12- | 0-119119 | 57210 | -0.14 | 701 | 9321 | 98 | -110 | 5.6 | 49 | 5.0 | 8 | 2.1 | 23970 | 10.8 | 13740 | 85 | 0.5 | | | | |
| 16-44.5272-113.3164-2-15- | 0-119120 | 65270 | -0.12 | 662 | 9371 | 75 | -77 | 7.9 | 50 | 6.4 | 5 | 1.3 | 27110 | 9.7 | 19740 | 43 | 0.5 | | | | |
| 16-44.5528-113.2675-2-11- | 0-119121 | 41340 | -0.09 | 477 | 3145 | 59 | 167 | 3.1 | 31 | 3.0 | 5 | 1.2 | 12880 | 13.1 | 16150 | 32 | 0.4 | | | | |
| 16-44.8639-113.9306-2-12- | 0-119122 | 55130 | -0.14 | 959 | 11600 | 97 | 359 | 6.9 | 42 | 9.0 | 8 | 2.4 | 28570 | 9.4 | 14400 | 92 | 0.7 | | | | |
| 16-44.3392-113.4117-2-11- | 0-119123 | 64600 | -0.12 | 948 | 33290 | 69 | -102 | 13.1 | 94 | 5.8 | 5 | 1.5 | 32930 | 7.7 | 15580 | 28 | 0.3 | | | | |
| 16-44.5292-113.5747-2-12- | 0-119124 | 52290 | -0.13 | 1007 | 5443 | 80 | -88 | 6.6 | 62 | 8.5 | 7 | 1.6 | 23540 | 13.1 | 23890 | 57 | 0.5 | | | | |
| 16-44.5286-113.5772-2-12- | 0-119125 | 56390 | -0.14 | 1530 | 7845 | 60 | 190 | 6.6 | 58 | 10.1 | 7 | 2.0 | 24640 | 14.5 | 15440 | 43 | 0.6 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | U/Th RATIO | | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|------------|---|------|------|----|-----|------|------|-----|------|-------|-------|---|----|----|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | |
| | | | | | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | To | Tb | Th | Ti | V | Yb | Zn | |
| 16-44.3442-113.6767-2-15- | 0-110075 | 70280 | 424 | 3974 | -10 | -2 | 4.4 | 3.4 | -197 | -1 | 5.1 | 1317 | 31 | 2.9 | -68 | 0.333 | | | | | |
| 16-44.9782-113.6350-2-12- | 0-110076 | 7592 | 352 | 12900 | 92 | -2 | 8.9 | 5.4 | -203 | -1 | -1 | 11.3 | 3343 | 57 | 5.6 | 96 | 0.389 | | | | |
| 16-44.9944-113.5136-2-11- | 0-110077 | 4212 | 221 | 12870 | 110 | -1 | 7.5 | 6.2 | 337 | -1 | -1 | 12.0 | 2791 | 50 | -2.3 | 94 | 1.158 | | | | |
| 16-44.9919-113.5028-2-11- | 0-110078 | 4294 | 411 | 10530 | 95 | -3 | 6.1 | 4.1 | -236 | -1 | -1 | 9.8 | 2505 | 41 | 2.8 | 443 | 0.520 | | | | |
| 16-44.9822-113.5217-2-11- | 0-110079 | 7293 | 1038 | 13250 | 99 | -3 | 9.6 | 10.5 | -357 | -1 | -1 | 15.0 | 2367 | 30 | 4.3 | 118 | 0.293 | | | | |
| 16-44.9844-113.5758-2-12- | 0-110080 | 5093 | 421 | 13930 | 80 | -3 | 8.5 | 8.8 | -218 | -1 | -1 | 15.3 | 3803 | 49 | 5.5 | 108 | 1.379 | | | | |
| 16-44.9464-113.5656-2-12- | 0-110081 | 7168 | 899 | 12220 | 74 | -3 | 10.9 | 7.9 | -293 | -1 | -1 | 12.7 | 4601 | 73 | 5.2 | 56 | 0.465 | | | | |
| 16-44.9253-113.5464-2-12- | 0-110082 | 7633 | 382 | 15280 | 129 | -3 | 8.7 | 9.2 | -244 | -1 | 1 | 14.2 | 3539 | 44 | 6.4 | 120 | 0.521 | | | | |
| 16-44.9267-113.5278-2-11- | 0-110083 | 7505 | 566 | 14400 | 175 | -2 | 10.2 | 10.3 | -279 | -1 | -1 | 13.7 | 2698 | 46 | 6.2 | 91 | 0.299 | | | | |
| 16-44.9522-113.6164-2-12- | 0-110084 | 10140 | 472 | 13210 | 66 | -3 | 11.6 | 7.1 | 369 | -1 | -1 | 12.5 | 3470 | 82 | 4.3 | 74 | 0.456 | | | | |
| 16-44.9530-113.5503-2-12- | 0-110085 | 11060 | 578 | 13620 | 90 | -3 | 13.0 | 6.8 | -250 | -1 | -1 | 11.3 | 3949 | 92 | 4.6 | 100 | 0.681 | | | | |
| 16-44.9678-113.5244-2-12- | 0-110086 | 10730 | 560 | 10640 | 108 | -4 | 18.0 | 10.6 | 567 | -1 | -1 | 14.1 | 3572 | 103 | -2.7 | 143 | 0.766 | | | | |
| 16-44.9778-113.4978-2-12- | 0-110087 | 4415 | 472 | 15180 | 84 | -2 | 8.5 | 9.5 | -204 | -1 | -1 | 20.4 | 3796 | 55 | 6.2 | 81 | 0.456 | | | | |
| 16-44.9678-113.4747-2-12- | 0-110088 | 6955 | 756 | 10640 | 90 | -2 | 12.5 | -2.6 | -339 | -2 | 3 | 23.1 | 2869 | 60 | 8.7 | 125 | 1.494 | | | | |
| 16-44.9747-113.4781-2-12- | 0-110089 | 6688 | 399 | 16300 | 108 | -2 | 9.0 | 8.1 | -209 | -1 | -1 | 21.6 | 4446 | 59 | 5.3 | 56 | 0.407 | | | | |
| 16-44.9839-113.4603-2-12- | 0-110090 | 5651 | 562 | 14270 | 99 | -3 | 10.3 | 15.3 | -250 | -1 | -1 | 16.8 | 2745 | 40 | 6.4 | 78 | 0.304 | | | | |
| 16-44.9750-113.4494-2-09- | 0-110091 | 4038 | 1361 | 10440 | 154 | -4 | 6.8 | 4.8 | -327 | -1 | -1 | 11.8 | 2387 | 43 | 2.7 | 80 | 0.373 | | | | |
| 16-44.9814-113.4594-2-12- | 0-110092 | 12300 | 734 | 15550 | 93 | -3 | 14.0 | 8.5 | -275 | -1 | -1 | 17.3 | 3866 | 110 | 5.3 | 44 | 0.405 | | | | |
| 16-44.9272-113.5719-2-11- | 0-110093 | 8638 | 1263 | 11140 | 116 | -3 | 10.5 | 10.2 | -368 | -1 | 2 | 12.9 | 3462 | 61 | 6.8 | 138 | 0.426 | | | | |
| 16-44.8456-113.7508-2-12- | 0-110094 | 7225 | 882 | 13170 | -34 | -3 | 10.9 | 10.2 | -351 | -1 | -1 | 9.6 | 1903 | 57 | 4.7 | 39 | 1.313 | | | | |
| 16-44.6122-113.3631-2-11- | 0-110095 | 8530 | 416 | 8230 | 76 | -2 | 6.1 | 4.1 | -216 | -1 | -1 | 8.9 | 2856 | 33 | -1.7 | -75 | 0.236 | | | | |
| 16-44.6186-113.3939-2-12- | 0-110096 | 15400 | 603 | 18080 | 56 | -3 | 13.5 | 6.7 | -264 | -1 | -1 | 12.1 | 3871 | 96 | 3.4 | -35 | 0.372 | | | | |
| 16-44.6072-113.3922-2-12- | 0-110097 | 20240 | 780 | 16560 | 66 | -3 | 19.9 | 7.2 | 527 | -1 | -1 | 13.0 | 5416 | 139 | 2.8 | 114 | 0.331 | | | | |
| 16-44.6093-113.3947-2-12- | 0-110098 | 9092 | 691 | 12400 | 88 | -2 | 11.5 | 8.3 | -262 | -1 | -1 | 11.8 | 4151 | 55 | -1.9 | 167 | 0.373 | | | | |
| 16-44.6087-113.3981-2-11- | 0-110099 | 4186 | 175 | 10320 | 54 | -3 | 5.5 | 6.9 | -213 | -1 | -1 | 7.1 | 1830 | 66 | -1.9 | -78 | 3.690 | | | | |
| 16-44.5800-113.4347-2-12- | 0-110100 | 1930 | 1555 | 14550 | 56 | -3 | 14.3 | 6.0 | -372 | -1 | -1 | 9.7 | 3540 | 82 | 3.2 | 0.340 | | | | | |
| 16-44.5711-113.3939-2-12- | 0-110101 | 12910 | 702 | 15680 | 67 | -3 | 13.3 | 6.0 | 501 | -1 | -1 | 11.1 | 4194 | 85 | 4.4 | -103 | 0.387 | | | | |
| 16-44.5619-113.4378-2-11- | 0-110102 | 12550 | 723 | 10500 | -32 | -3 | 10.9 | 5.5 | -311 | -2 | -1 | 7.2 | 3730 | 76 | -2.2 | 51 | 0.500 | | | | |
| 16-44.5225-113.4356-2-12- | 0-110103 | 16560 | 755 | 11630 | -35 | -3 | 12.8 | 4.9 | -279 | -1 | -1 | 9.4 | 3074 | 80 | -2.2 | 0.670 | | | | | |
| 16-44.5202-113.4233-2-12- | 0-110104 | 17960 | 733 | 17430 | 61 | -3 | 15.6 | 7.2 | 462 | -1 | -1 | 12.0 | 4459 | 121 | 2.9 | 68 | 0.333 | | | | |
| 16-44.5075-113.4522-2-12- | 0-110105 | 10050 | 606 | 12640 | 88 | -3 | 12.0 | 7.0 | 348 | -1 | -1 | 12.6 | 4053 | 73 | 4.3 | 149 | 0.508 | | | | |
| 16-44.4944-113.4683-2-12- | 0-110106 | 20720 | 880 | 15590 | 66 | -3 | 21.5 | 9.0 | -260 | -1 | -1 | 12.8 | 3499 | 116 | -1.8 | 133 | 0.313 | | | | |
| 16-44.4936-113.4708-2-12- | 0-110107 | 16700 | 813 | 15800 | 74 | -3 | 14.0 | 6.9 | 508 | -1 | -1 | 13.4 | 4156 | 142 | -1.8 | 188 | 0.366 | | | | |
| 16-44.4964-113.4431-2-12- | 0-110108 | 8439 | 766 | 11750 | 71 | -3 | 11.0 | 7.9 | -290 | -1 | -1 | 13.5 | 3333 | 79 | -2.2 | 174 | 0.467 | | | | |
| 16-44.5389-113.4150-2-12- | 0-110109 | 7882 | 1717 | 9566 | 110 | -3 | 9.6 | 5.2 | -448 | -2 | -1 | 11.3 | 2942 | 63 | -2.2 | 205 | 0.929 | | | | |
| 16-44.5494-113.4211-2-12- | 0-110110 | 5768 | 690 | 10130 | 78 | -3 | 11.2 | 8.2 | -309 | -1 | -1 | 11.1 | 3163 | 62 | 4.5 | -66 | 0.550 | | | | |
| 16-44.5619-113.4200-2-11- | 0-110111 | 4642 | 1095 | 4991 | -29 | -3 | 5.7 | 4.0 | -335 | -1 | -1 | 6.7 | 1837 | 37 | -1.7 | 96 | 0.463 | | | | |
| 16-44.4672-113.2653-2-15- | 0-110112 | 7488 | 1217 | 4098 | 63 | -3 | 7.5 | 6.0 | -337 | -1 | -1 | 8.7 | 2061 | 55 | -1.9 | 272 | 0.310 | | | | |
| 16-44.4933-113.2831-2-12- | 0-110113 | 19410 | 404 | 11350 | -27 | 11 | 8.4 | 4.1 | -229 | -1 | -1 | 5.7 | 4202 | 69 | -2.0 | 404 | 0.289 | | | | |
| 16-44.5036-113.3042-2-12- | 0-110114 | 5658 | 796 | 8648 | 82 | -3 | 10.4 | 8.5 | -267 | -1 | -1 | 14.2 | 3643 | 78 | -1.7 | 118 | 0.268 | | | | |
| 16-44.4900-113.2525-2-11- | 0-110115 | 4428 | 195 | 7122 | 49 | -2 | 3.5 | 3.9 | -163 | -1 | -1 | 7.5 | 2025 | 35 | 1.8 | -16 | 0.360 | | | | |
| 16-44.4714-113.2478-2-15- | 0-110116 | 18810 | 2627 | 4717 | 72 | 66 | 8.9 | 8.2 | -472 | -1 | -1 | 14.6 | 2688 | 128 | -2.4 | 4585 | 0.192 | | | | |
| 16-44.7539-113.7900-2-11- | 0-110117 | 5503 | 998 | 8451 | 90 | -3 | 8.2 | 7.9 | -316 | -1 | -1 | 11.2 | 2249 | 45 | 4.9 | 129 | 1.357 | | | | |
| 16-44.7997-113.8219-2-12- | 0-110118 | 5784 | 396 | 12430 | 83 | -3 | 7.3 | 23.0 | -276 | -1 | -1 | 12.8 | 3234 | 40 | 7.3 | 56 | 3.164 | | | | |
| 16-44.8003-113.8217-2-12- | 0-110119 | 6048 | 494 | 10510 | 86 | -3 | 7.9 | 16.1 | -262 | -1 | -1 | 12.1 | 3102 | 44 | 4.7 | 4.017 | | | | | |
| 16-44.5272-113.3164-2-15- | 0-110120 | 5019 | 753 | 8094 | 64 | -3 | 8.3 | 6.1 | -268 | -1 | -1 | 11.7 | 2995 | 59 | 4.4 | 65 | 0.274 | | | | |
| 16-44.5528-113.2975-2-11- | 0-110121 | 2661 | 112 | 8163 | 64 | -2 | 5.4 | 5.4 | -140 | -1 | -1 | 10.3 | 2974 | 42 | -1.4 | -73 | 0.320 | | | | |
| 16-44.8639-113.9306-2-12- | 0-110122 | 5405 | 554 | 12430 | 99 | -3 | 8.2 | 15.8 | -296 | -2 | 1 | 9.9 | 1892 | 34 | 7.0 | -15 | 3.889 | | | | |
| 16-44.3392-113.4117-2-11- | 0-110123 | 15930 | 702 | 11300 | 95 | -3 | 11.0 | 5.8 | 383 | -1 | -1 | 10.0 | 4414 | 96 | -1.7 | 99 | 0.240 | | | | |
| 16-44.5292-113.5747-2-12- | 0-110124 | 7956 | 304 | 11680 | -30 | -3 | 8.0 | 6.6 | -232 | -2 | -1 | 11.1 | 2766 | 50 | 5.4 | -20 | 1.973 | | | | |
| 16-44.5286-113.5772-2-12- | 0-110125 | 7252 | 366 | 10260 | 82 | -3 | 6.9 | 7.9 | -251 | -2 | -1 | 13.9 | 3347 | 51 | 4.2 | 107 | 1.432 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | LASL SAMP.E LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|--|----------------------------|--------------|------|-----------------|-------------------|----------|----------------------|----|------------------------|-----------------|------------|------------|---------------|----------------|-----------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|--------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | RPT# SLP | LAS SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | CYANIDES | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SODIUM (uM/ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER ROW | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44 | 5647 | -113.3444 | -2-11 | 0-110126 | -09/26/79 | -17 | 23 | 10.8 | - | - | 8.4 | 116 | 9 | 1-1-4-6-3-3-1 | -4-3-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | | |
| 16-44 | 5192 | -113.5711 | -2-12 | 0-110127 | -07/01/79 | -19 | 20 | 7.7 | - | - | 7.4 | 49 | 10 | 2-7-2-3-4-3-1 | -2-1-3-5-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 22.10 | | | |
| 16-44 | 5006 | -113.5764 | -2-15 | 0-110128 | -07/01/79 | -19 | 20 | - | - | - | - | - | - | 9 | 2-7-3-7 | - | -2-1-3-5-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 31.30 | | | |
| 16-44 | 4569 | -113.5961 | -2-12 | 0-110129 | -07/01/79 | -21 | 18 | 7.4 | - | - | 7.3 | 50 | 7 | 2-6-2-6-4-3-1 | -2-2-3-5-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.50 | | | | |
| 16-44 | 4578 | -113.5914 | -2-12 | 0-110130 | -07/01/79 | -21 | 20 | 10.6 | - | - | 7.8 | 78 | 9 | 2-1-1-1-1-3-1 | -2-1-3-5-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 22.10 | | | | |
| 16-44 | 3519 | -113.4136 | -2-11 | 0-110131 | -07/03/79 | -16 | 24 | 5.8 | - | - | 8.5 | 150 | 8 | 4-1-5-8-3-3-1 | -1-3-5-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | | |
| 16-44 | 7042 | -113.9108 | -2-11 | 0-110132 | -07/01/79 | -13 | 20 | 7.0 | - | - | 6.8 | 142 | 25 | 2-4-5-8-2-3-1 | -3-3-3-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.70 | | | | |
| 16-44 | 7028 | -113.9053 | -2-11 | 0-110133 | -07/01/79 | -14 | 19 | 14.6 | - | - | 7.5 | 82 | 1 | 2-1-3-6-2-3-1 | -1-3-3-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 25.50 | | | | |
| 16-44 | 6927 | -113.9003 | -2-12 | 0-110134 | -07/01/79 | -15 | 17 | 6.5 | - | - | 7.8 | 6 | 1 | 1-1-2-8-4-1-1 | -1-3-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8.90 | | | | |
| 16-44 | 6900 | -113.9067 | -2-99 | 0-110135 | -07/01/79 | -15 | 17 | - | - | - | - | - | - | 4 | 2-6-3-6 | -1 | -3-2-4-3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 16-44 | 6709 | -113.8786 | -2-12 | 0-110136 | -07/01/79 | -17 | 18 | 7.0 | - | - | 7.2 | 6 | 18 | 2-6-2-6-4-3-1 | -1-3-3-4-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 18.40 | | | | |
| 16-44 | 6764 | -113.8975 | -2-12 | 0-110137 | -07/01/79 | -17 | 18 | 8.1 | - | - | 6.5 | 2 | 5 | 2-6-2-6-4-3-1 | -2-3-3-2-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13.20 | | | | |
| 16-44 | 6786 | -113.9086 | -2-99 | 0-110138 | -07/01/79 | -18 | 18 | - | - | - | - | - | - | 1 | 2-6-3-6 | -1 | -3-3-4-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 16-44 | 6861 | -113.9294 | -2-11 | 0-110139 | -07/01/79 | -19 | 17 | 9.8 | - | - | 7.4 | 135 | 8 | 2-6-2-8-3-3-1 | -3-3-4-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.90 | | | | |
| 16-44 | 3519 | -113.6667 | -2-12 | 0-110140 | -07/02/79 | -15 | 22 | 22.4 | - | - | 7.4 | 92 | 3 | 2-1-2-6-3-3-1 | -2-2-4-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.40 | | | | |
| 16-44 | 5506 | -113.6692 | -2-12 | 0-110141 | -07/02/79 | -15 | 22 | - | - | - | - | - | - | 7 | 2-1-2-6-3-3-1 | -2-2-4-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 28.10 | | | |
| 16-44 | 5800 | -113.6625 | -2-15 | 0-110142 | -07/02/79 | -17 | 22 | - | - | - | - | - | - | 13 | 1-1-1-1 | -1 | -1-3-5-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | |
| 16-44 | 5806 | -113.6583 | -2-12 | 0-110143 | -07/02/79 | -15 | 22 | - | - | - | - | - | - | 11 | 1-1-1-1-4-3-1 | -2-1-3-5-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 29.40 | | | |
| 16-44 | 5444 | -113.7392 | -2-11 | 0-110144 | -07/02/79 | -20 | 20 | - | - | - | - | - | - | 10 | 1-1-5-8-3-3-1 | -3-3-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12.50 | | | |
| 16-44 | 2311 | -112.9422 | -2-15 | 0-110145 | -06/26/79 | -16 | 30 | - | - | - | - | - | - | 8 | 4-6-5-6 | -1 | -2-3-2-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 16-44 | 2251 | -112.9322 | -2-15 | 0-110146 | -06/26/79 | -16 | 30 | - | - | - | - | - | - | 8 | 4-6-5-6 | -1 | -2-3-2-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 16-44 | 2261 | -112.9239 | -2-15 | 0-110147 | -06/26/79 | -16 | 30 | - | - | - | - | - | - | 14 | 2-6-5-6 | -1 | -2-3-2-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 16-44 | 2114 | -112.8542 | -2-15 | 0-110148 | -06/26/79 | -16 | 30 | - | - | - | - | - | - | 8 | 2-6-5-6 | -1 | -2-3-2-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 16-44 | 2067 | -112.8872 | -2-15 | 0-110149 | -06/26/79 | -17 | 30 | - | - | - | - | - | - | 8 | 2-6-5-6 | -1 | -2-3-2-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 16-44 | 2056 | -112.8875 | -2-15 | 0-110150 | -06/26/79 | -17 | 30 | - | - | - | - | - | - | 8 | 2-6-5-6 | -1 | -2-3-2-3-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44 | 2328 | -112.9614 | -2-11 | 0-110151 | -06/26/79 | -18 | 30 | 20.8 | - | - | 8.1 | 472 | 2 | 2-2-6-5-6-2 | -2-1-4-1-2-2 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | | |
| 16-44 | 7500 | -112.4306 | -2-15 | 0-110152 | -06/28/79 | -11 | 20 | - | - | - | - | - | - | 6 | 4-6-5-6 | -1 | -2-3-2-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 16-44 | 7581 | -113.2531 | -2-12 | 0-110153 | -06/28/79 | -12 | 30 | 13.8 | - | - | 8.9 | 151 | 6 | 2-6-5-6-2 | -2-1-2-4-1-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.70 | | | | |
| 16-44 | 7531 | -113.2154 | -2-12 | 0-110154 | -06/28/79 | -13 | 30 | 14.4 | - | - | 8.8 | 270 | 6 | 2-6-5-6-2 | -2-1-2-2-1-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | | |
| 16-44 | 7614 | -113.1999 | -2-12 | 0-110155 | -06/28/79 | -13 | 30 | 13.1 | - | - | 8.7 | 117 | 6 | 2-6-5-6-2 | -2-1-2-2-1-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.20 | | | | |
| 16-44 | 7608 | -113.1908 | -2-11 | 0-110156 | -06/28/79 | -13 | 30 | 9.5 | - | - | 8.6 | 105 | 6 | 2-6-5-6-2 | -2-1-2-2-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.60 | | | | |
| 16-44 | 7629 | -113.1999 | -2-12 | 0-110157 | -06/28/79 | -14 | 30 | 12.1 | - | - | 8.4 | 60 | 1 | 2-6-5-6-2 | -2-1-2-2-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 33.90 | | | | |
| 16-44 | 7747 | -113.2528 | -2-12 | 0-110158 | -06/28/79 | -14 | 30 | 20.7 | - | - | 9.2 | 238 | 8 | 2-6-5-6-2 | -2-1-2-4-1-2-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | | | |
| 16-44 | 7744 | -113.2457 | -2-12 | 0-110159 | -06/28/79 | -14 | 31 | 10.2 | - | - | 9.3 | 196 | 10 | 2-6-4-6-2 | -2-1-2-3-1-2-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.00 | | | | |
| 16-44 | 7797 | -113.2789 | -2-15 | 0-110160 | -06/28/79 | -15 | 31 | - | - | - | - | - | - | 8 | 2-6-5-6 | -1 | -2-3-2-3-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 16-44 | 7800 | -113.2756 | -2-11 | 0-110161 | -06/28/79 | -15 | 31 | 12.2 | - | - | 8.3 | 198 | 6 | 2-6-5-6-2 | -2-1-2-1-3-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | | |
| 16-44 | 7805 | -113.2753 | -2-12 | 0-110162 | -06/28/79 | -15 | 32 | 19.8 | - | - | 9.0 | 201 | 6 | 2-6-5-6-2 | -2-2-2-2-2-2-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.60 | | | | |
| 16-44 | 7925 | -113.2442 | -2-12 | 0-110163 | -06/28/79 | -16 | 32 | 26.7 | - | - | 8.3 | 114 | 6 | 2-6-5-6-2 | -2-4-1-3-2-2-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | | |
| 16-44 | 7919 | -113.2475 | -2-11 | 0-110164 | -06/28/79 | -16 | 32 | 8.8 | - | - | 8.1 | 188 | 16 | 2-7-5-7-2 | -2-1-2-2-2-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.80 | | | | |
| 16-44 | 8053 | -113.2483 | -2-12 | 0-110165 | -06/28/79 | -16 | 32 | 28.5 | - | - | 9.8 | 115 | 4 | 2-6-5-6-2 | -2-2-2-3-2-2-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | | | |
| 16-44 | 7991 | -113.1908 | -2-11 | 0-110166 | -06/28/79 | -17 | 31 | 19.2 | - | - | 8.9 | 24 | 12 | 2-6-5-6-2 | -2-1-2-2-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.10 | | | | |
| 16-44 | 8075 | -113.2478 | -2-11 | 0-110167 | -06/28/79 | -18 | 31 | 20.5 | - | - | 8.1 | 160 | 12 | 2-6-5-8-2 | -2-1-4-2-3-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.20 | | | | |
| 16-44 | 7678 | -113.3492 | -2-11 | 0-110168 | -06/28/79 | -19 | 30 | 21.5 | - | - | 8.4 | 18 | 7 | 2-6-5-6-2 | -2-4-2-3-1 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | | |
| 16-44 | 7903 | -113.2514 | -2-15 | 0-110170 | -06/28/79 | -20 | 30 | - | - | - | - | - | - | 6 | 2-6-5-6 | -1 | -2-3-2-3-1 | -3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | | |
| 16-44 | 7811 | -113.4444 | -2-11 | 0-110171 | -06/29/79 | -15 | 28 | 8.1 | - | - | 8.1 | 135 | 12 | 2-6-5-6-3 | -3-1-2-2-2-3-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | | |
| 16-44 | 7689 | -113.4419 | -2-12 | 0-110172 | -06/29/79 | -15 | 28 | 12.7 | - | - | 8.4 | 167 | 13 | 2-6-5-6-2 | -2-1-2-2-2-3-4 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.10 | | | | |
| 16-44 | 7692 | -113.4406 | -2-12 | 0-110173 | -06/29/79 | -15 | 29 | 14.2 | - | - | 8.4 | 140 | 12 | 2-6-5-6-2 | -2-1-2-2-2-3-4 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | | |
| 16-44 | 7617 | -113.4900 | -2-12 | 0-110174 | -06/29/79 | -16 | 29 | 20.9 | - | - | 8.1 | 405 | 10 | 2-6-4-6-3 | -3-1-2-3-2-2-2 | -1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | | |
| 16-44 | 7642 | -113.4911 | -2-15 | 0-110175 | -06/29/79 | -16 | 29 | - | - | - | - | - | - | 10 | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE REPLICATE | DOE LAB LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|---------------|-----------|----------|-------------|-----------|-------------------------------------|----------------------------|---|-----|------|-----|-------|----|-----|-----|----|-----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44 | 5647-113.2444 | 2-11 | 0-110126 | -5 | -5 | -5 | 94 | -20 | -15 | 68 | 32 | -15 | -5 | -5 | 190 | 1 | 17 | | | | | |
| 16-44 | 5192-113.5711 | 2-12 | 0-110127 | -5 | -5 | -5 | 91 | -20 | -15 | 26 | -10 | -15 | 21 | -5 | 297 | -1 | 56 | | | | | |
| 16-44 | 5006-113.5764 | 2-15 | 0-110128 | -5 | -5 | 5 | 59 | -20 | -15 | 51 | -10 | -15 | -5 | -5 | 240 | -1 | 46 | | | | | |
| 16-44 | 4569-113.5961 | 2-12 | 0-110129 | -5 | -5 | -5 | 25 | -20 | 16 | 9 | -10 | -15 | -5 | -5 | 267 | -1 | 50 | | | | | |
| 16-44 | 4578-113.5914 | 2-12 | 0-110130 | -5 | -5 | 6 | 17 | -20 | -15 | 10 | -10 | -15 | 6 | -5 | 359 | -1 | 42 | | | | | |
| 16-44 | 3519-113.4136 | 2-11 | 0-110131 | -5 | -5 | -5 | 20 | -20 | -15 | 16 | -10 | -15 | 5 | -5 | 133 | -1 | 26 | | | | | |
| 16-44 | 7042-113.9108 | 2-11 | 0-110132 | -5 | -5 | -5 | 75 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 153 | 2 | 32 | | | | | |
| 16-44 | 7028-113.9053 | 2-11 | 0-110133 | -5 | -5 | -5 | 33 | -20 | 25 | 15 | -10 | -15 | -5 | -5 | 151 | -1 | 29 | | | | | |
| 16-44 | 6922-113.9003 | 2-12 | 0-110134 | -5 | -5 | 6 | 10 | -20 | 18 | 40 | -10 | -15 | -5 | -5 | 407 | -1 | 14 | | | | | |
| 16-44 | 6900-113.9067 | 2-99 | 0-110135 | -5 | -5 | -5 | 49 | -20 | -15 | 11 | -10 | 17 | 42 | -5 | 163 | 1 | 38 | | | | | |
| 16-44 | 6708-113.8786 | 2-12 | 0-110136 | -5 | -5 | 5 | 29 | -20 | 24 | 12 | -10 | -15 | 5 | -5 | 221 | -1 | 36 | | | | | |
| 16-44 | 6764-113.8975 | 2-12 | 0-110137 | -5 | -5 | -5 | 25 | -20 | -15 | -5 | -10 | 16 | 9 | -5 | 414 | 1 | 31 | | | | | |
| 16-44 | 6786-113.9086 | 2-99 | 0-110138 | -5 | -5 | 10 | 27 | -20 | -15 | 19 | -10 | -15 | 6 | -5 | 187 | 1 | 39 | | | | | |
| 16-44 | 6861-113.9294 | 2-11 | 0-110139 | -5 | -5 | -5 | 36 | -20 | -15 | 15 | -10 | -15 | -5 | -5 | 52 | -1 | 5 | | | | | |
| 16-44 | 5497-113.6667 | 2-12 | 0-110140 | -5 | -5 | -5 | -10 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 317 | -1 | 30 | | | | | |
| 16-44 | 5506-113.6692 | 2-12 | 0-110141 | -5 | -5 | 9 | 32 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 270 | 2 | 23 | | | | | |
| 16-44 | 5800-113.6625 | 2-15 | 0-110142 | -5 | -5 | 8 | -10 | -20 | -15 | 13 | -10 | 28 | -5 | -5 | 302 | 2 | 32 | | | | | |
| 16-44 | 5906-113.6583 | 2-12 | 0-110143 | -5 | -5 | -5 | 28 | -20 | -15 | 19 | -10 | -15 | 5 | -5 | 247 | -1 | 46 | | | | | |
| 16-44 | 5444-113.7292 | 2-11 | 0-110144 | -5 | -5 | -5 | 18 | -20 | -15 | 28 | -10 | -15 | -5 | -5 | 222 | 2 | 31 | | | | | |
| 16-44 | 2311-112.9422 | 2-15 | 0-110145 | -5 | -5 | 6 | 20 | -20 | 18 | 28 | -10 | 25 | -5 | -5 | 262 | 2 | 34 | | | | | |
| 16-44 | 2261-112.9322 | 2-15 | 0-110146 | -5 | -5 | 5 | 17 | -20 | 17 | 15 | -10 | -15 | 11 | -5 | 262 | 2 | 32 | | | | | |
| 16-44 | 2261-112.9239 | 2-15 | 0-110147 | -5 | -5 | -5 | 38 | -20 | 45 | 66 | -10 | 17 | 5 | -5 | 150 | 3 | 45 | | | | | |
| 16-44 | 2114-112.8942 | 2-15 | 0-110148 | -5 | -5 | -5 | 30 | -20 | 33 | 44 | -10 | -15 | 6 | -5 | 201 | 3 | 36 | | | | | |
| 16-44 | 2067-112.8872 | 2-15 | 0-110149 | -5 | -5 | -5 | 24 | 24 | 26 | 24 | -10 | -15 | 8 | -5 | 211 | 3 | 37 | | | | | |
| 16-44 | 2056-112.8875 | 2-15 | 0-110150 | -5 | -5 | -5 | 31 | -20 | -15 | 24 | -10 | -15 | 13 | -5 | 201 | 2 | 35 | | | | | |
| 16-44 | 2328-112.9614 | 2-11 | 0-110151 | -5 | -5 | 7 | 14 | -20 | -15 | 429 | -10 | -15 | -5 | -5 | 97 | -1 | 11 | | | | | |
| 16-44 | 7500-113.4306 | 2-15 | 0-110152 | -5 | -5 | -5 | 23 | -20 | 15 | 15 | -10 | -15 | 9 | -5 | 224 | 2 | 32 | | | | | |
| 16-44 | 7581-113.2581 | 2-12 | 0-110153 | -5 | -5 | -5 | 27 | -20 | -15 | 12 | -10 | -15 | 13 | -5 | 202 | 3 | 29 | | | | | |
| 16-44 | 7531-113.2164 | 2-12 | 0-110154 | -5 | -5 | -5 | 37 | -20 | 18 | 9 | -10 | -15 | 14 | -5 | 168 | 2 | 32 | | | | | |
| 16-44 | 7614-113.1989 | 2-12 | 0-110155 | -5 | -5 | -5 | 47 | 27 | 51 | -5 | -10 | 18 | 18 | -5 | 215 | 3 | 29 | | | | | |
| 16-44 | 7608-113.1908 | 2-11 | 0-110156 | -5 | -5 | -5 | 25 | -20 | -15 | 13 | -10 | 18 | -5 | -5 | 180 | 2 | 21 | | | | | |
| 16-44 | 7628-113.1989 | 2-12 | 0-110157 | -5 | -5 | 7 | 24 | -20 | 19 | 17 | -10 | -15 | 11 | -5 | 255 | 2 | 24 | | | | | |
| 16-44 | 7747-113.2528 | 2-12 | 0-110158 | -5 | -5 | -5 | 26 | -20 | -15 | 62 | -10 | -15 | -5 | -5 | 183 | 2 | 21 | | | | | |
| 16-44 | 7744-113.2467 | 2-12 | 0-110159 | -5 | -5 | -5 | 17 | 30 | -15 | 16 | -10 | -15 | 12 | -5 | 880 | 2 | 33 | | | | | |
| 16-44 | 7797-113.2789 | 2-15 | 0-110160 | -5 | -5 | 5 | 35 | 28 | 39 | 110 | -10 | -15 | -5 | -5 | 170 | 2 | 44 | | | | | |
| 16-44 | 7800-113.2756 | 2-11 | 0-110161 | -5 | -5 | -5 | 27 | 24 | 30 | 30 | -10 | -15 | 10 | -5 | 139 | 2 | 34 | | | | | |
| 16-44 | 7806-113.2553 | 2-12 | 0-110162 | -5 | -5 | -5 | 28 | 28 | -15 | 23 | -10 | -15 | 15 | -5 | 620 | 3 | 43 | | | | | |
| 16-44 | 7925-113.2442 | 2-12 | 0-110163 | -5 | -5 | 7 | 20 | 21 | 18 | 18 | -10 | -15 | 18 | -5 | 307 | 2 | 35 | | | | | |
| 16-44 | 7919-113.2475 | 2-11 | 0-110164 | -5 | -5 | -5 | 19 | 32 | -15 | 17 | -10 | -15 | -5 | -5 | 222 | 2 | 231 | | | | | |
| 16-44 | 8053-113.2482 | 2-12 | 0-110165 | -5 | -5 | -5 | 33 | 33 | -15 | 14 | -10 | -15 | 13 | -5 | 226 | 3 | 62 | | | | | |
| 16-44 | 7981-113.1908 | 2-11 | 0-110166 | -5 | -5 | -5 | 33 | 24 | 19 | 33 | -10 | -15 | 29 | -5 | 787 | 3 | 24 | | | | | |
| 16-44 | 8075-113.2678 | 2-11 | 0-110167 | -5 | -5 | -5 | 20 | 21 | -15 | 11 | -10 | -15 | 18 | -5 | 171 | 2 | 39 | | | | | |
| 16-44 | 7678-113.3692 | 2-11 | 0-110168 | -5 | -5 | -5 | 14 | 29 | -15 | 22 | -10 | -15 | -5 | -5 | 254 | 1 | 20 | | | | | |
| 16-44 | 7903-113.2514 | 2-15 | 0-110169 | -5 | -5 | -5 | 28 | 27 | 15 | 31 | -10 | -15 | 13 | -5 | 245 | 2 | 45 | | | | | |
| 16-44 | 7811-113.4444 | 2-11 | 0-110171 | -5 | -5 | -5 | 30 | 34 | 18 | 28 | -10 | -15 | 5 | -5 | 141 | 2 | 25 | | | | | |
| 16-44 | 7689-113.4419 | 2-12 | 0-110172 | -5 | -5 | -5 | 38 | 27 | 45 | 7 | -10 | -15 | 5 | -5 | 140 | 2 | 25 | | | | | |
| 16-44 | 7692-113.4406 | 2-12 | 0-110173 | -5 | -5 | -5 | 35 | -20 | 60 | 16 | -10 | -15 | 16 | -5 | 267 | 2 | 29 | | | | | |
| 16-44 | 7617-113.4900 | 2-12 | 0-110174 | -5 | -5 | -5 | 22 | 29 | 20 | 134 | -10 | -15 | -5 | -5 | 166 | 2 | 36 | | | | | |
| 16-44 | 7642-113.4911 | 2-15 | 0-110175 | -5 | -5 | 32 | 59 | 40 | 18 | 2537 | -10 | -15 | -5 | -5 | 224 | 2 | 21 | | | | | |
| 16-44 | 7675-113.4939 | 2-15 | 0-110176 | -5 | -5 | 23 | 156 | 53 | 80 | 44 | 39 | 30617 | 49 | -15 | -5 | 7 | 223 | -1 | 15 | | | |
| 16-44 | 7653-113.5181 | 2-12 | 0-110177 | -5 | -5 | -5 | 11 | 23 | -15 | 18 | -10 | -15 | -5 | -5 | 225 | 2 | 15 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|-----------|--|---|--------|-----|------|------|-----|------|----|-----|-------|------|--------|-----|------|----|----|--|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu | | | |
| 16-44 | 5647 | -113.3444 | -2-11- | 0-119126 | 32880 | -0.09 | 427 | 45950 | 55 | -79 | 6.8 | 53 | 4.5 | 2 | 1.1 | 22110 | 9.0 | 9584 | 29 | 0.3 | | | | | |
| 16-44 | 5102 | -113.5711 | -2-12- | 0-119127 | 68020 | -0.14 | 1083 | 14870 | 121 | -126 | 10.8 | 60 | 27.9 | 7 | 1.9 | 31050 | 13.4 | 19710 | 78 | 0.5 | | | | | |
| 16-44 | 5006 | -113.5764 | -2-15- | 0-119128 | 63740 | -0.16 | 1585 | 10220 | 93 | 162 | 5.5 | 67 | 20.8 | 7 | 1.8 | 28610 | 11.2 | 27280 | 60 | 0.6 | | | | | |
| 16-44 | 4569 | -113.5961 | -2-12- | 0-119129 | 40030 | -0.14 | 670 | 8995 | 65 | -91 | 9.9 | 60 | 8.7 | 6 | 1.5 | 27750 | 11.6 | 22210 | 41 | 0.6 | | | | | |
| 16-44 | 4578 | -113.5914 | -2-12- | 0-119130 | 49010 | -0.12 | 1054 | 8392 | 93 | -95 | 7.4 | 61 | 14.5 | 5 | 2.0 | 24350 | 17.0 | 19880 | 56 | 0.6 | | | | | |
| 16-44 | 5023 | -113.4135 | -2-11- | 0-119131 | 50230 | -0.12 | 657 | 24490 | 59 | -94 | 10.6 | 82 | 3.0 | 4 | 1.2 | 27550 | 5.2 | 12570 | 31 | 0.3 | | | | | |
| 16-44 | 7042 | -113.9103 | -2-11- | 0-119132 | 64100 | -0.20 | 955 | 28100 | 85 | 225 | 17.5 | 109 | 7.6 | 5 | 1.9 | 39400 | 6.1 | 18500 | -15 | 0.4 | | | | | |
| 16-44 | 7020 | -113.9053 | -2-11- | 0-119133 | 59250 | -0.14 | 488 | 15460 | 57 | 180 | 5.2 | 71 | 3.7 | 6 | 1.5 | 20740 | 5.3 | 12910 | 56 | 0.4 | | | | | |
| 16-44 | 6922 | -113.9003 | -2-12- | 0-119134 | 26590 | -0.08 | 313 | 4042 | 48 | 130 | 3.9 | 23 | 4.3 | 4 | 1.1 | 11160 | 19.0 | 11930 | 24 | 0.5 | | | | | |
| 16-44 | 6900 | -113.9067 | -2-99- | 0-119135 | 67760 | -0.18 | 733 | 20940 | 73 | 282 | 26.9 | 55 | 6.1 | 6 | 1.7 | 46850 | 6.3 | 15700 | 35 | 0.5 | | | | | |
| 16-44 | 6708 | -113.8786 | -2-12- | 0-119136 | 61730 | -0.16 | 776 | 11690 | 67 | 269 | 6.7 | 48 | 21.3 | 6 | 1.8 | 23620 | 8.2 | 16650 | 22 | 0.6 | | | | | |
| 16-44 | 6764 | -113.8975 | -2-12- | 0-119137 | 58200 | -0.12 | 623 | 11060 | 79 | -94 | 9.9 | 106 | 14.3 | 5 | 2.0 | 28040 | 22.7 | 22130 | 48 | 0.6 | | | | | |
| 16-44 | 6786 | -113.9086 | -2-99- | 0-119138 | 73510 | -0.12 | 1202 | 18330 | 90 | -139 | 12.0 | 36 | 3.3 | 5 | 1.2 | 36310 | 6.4 | 25360 | 50 | 0.4 | | | | | |
| 16-44 | 6861 | -113.9294 | -2-11- | 0-119139 | 17010 | -0.07 | 273 | 92280 | 18 | 181 | 7.0 | 39 | 3.3 | 1 | 0.3 | 12090 | 2.0 | 10130 | 9 | -0.1 | | | | | |
| 16-44 | 3519 | -113.6667 | -2-12- | 0-119140 | 47440 | -0.07 | 902 | 5805 | 72 | -71 | 3.2 | 49 | 10.8 | 6 | 1.4 | 16620 | 15.1 | 19730 | 33 | 0.4 | | | | | |
| 16-44 | 5506 | -113.6692 | -2-12- | 0-119141 | 51810 | -0.08 | 1322 | 8613 | 77 | 149 | 9.0 | 65 | 19.5 | 7 | 1.6 | 22670 | 11.9 | 20050 | 42 | 0.4 | | | | | |
| 16-44 | 5900 | -113.6625 | -2-15- | 0-119142 | 58770 | -0.07 | 793 | 6222 | 83 | -93 | 6.5 | 53 | 7.6 | 7 | 1.4 | 21290 | 13.6 | 21390 | 33 | 0.4 | | | | | |
| 16-44 | 5806 | -113.6583 | -2-12- | 0-119143 | 66150 | -0.09 | 1457 | 9382 | 103 | -85 | 10.0 | 58 | 27.2 | 6 | 2.0 | 26390 | 11.8 | 21080 | 41 | 0.6 | | | | | |
| 16-44 | 5444 | -113.7292 | -2-11- | 0-119144 | 53310 | -0.07 | 868 | 12690 | 57 | 345 | 5.2 | 59 | 6.6 | 5 | 1.4 | 18850 | 10.0 | 19160 | 32 | 0.4 | | | | | |
| 16-44 | 2311 | -112.9422 | -2-15- | 0-119145 | 51570 | -0.05 | 645 | 40540 | 88 | 149 | 9.1 | 80 | 5.2 | 5 | 1.6 | 28190 | 11.9 | 17260 | 37 | 0.4 | | | | | |
| 16-44 | 2261 | -112.9322 | -2-15- | 0-119146 | 51900 | -0.06 | 611 | 37670 | 72 | -81 | 8.4 | 79 | 4.3 | 5 | 1.4 | 26570 | 12.4 | 18010 | 37 | 0.4 | | | | | |
| 16-44 | 2264 | -112.9239 | -2-15- | 0-119147 | 60360 | -0.07 | 673 | 39290 | 77 | 265 | 9.6 | 74 | 6.0 | 4 | 1.5 | 28560 | 6.3 | 23620 | 33 | 0.4 | | | | | |
| 16-44 | 2114 | -112.8942 | -2-15- | 0-119148 | 59110 | -0.06 | 752 | 25180 | 79 | -98 | 10.1 | 67 | 6.0 | 6 | 1.5 | 29790 | 8.2 | 17830 | 36 | 0.5 | | | | | |
| 16-44 | 2067 | -112.8872 | -2-15- | 0-119149 | 57590 | -0.06 | 592 | 13820 | 70 | -88 | 7.7 | 69 | 5.3 | 5 | 1.5 | 26040 | 9.5 | 18500 | 35 | 0.4 | | | | | |
| 16-44 | 2056 | -112.8875 | -2-15- | 0-119150 | 66360 | -0.06 | 669 | 27120 | 60 | -85 | 8.0 | 74 | 5.1 | 5 | 1.3 | 24780 | 7.1 | 20240 | 29 | 0.4 | | | | | |
| 16-44 | 2328 | -112.8614 | -2-11- | 0-119151 | 21890 | -0.05 | -87 | 203000 | 33 | -68 | 3.2 | 39 | -1.4 | 5 | 0.7 | 10070 | 4.0 | 7232 | 16 | 0.2 | | | | | |
| 16-44 | 7500 | -113.4306 | -2-15- | 0-119152 | 62340 | -0.07 | 818 | 30150 | 69 | 175 | 12.2 | 72 | 5.2 | 7 | 1.5 | 34360 | 9.2 | 22950 | 31 | 0.5 | | | | | |
| 16-44 | 7581 | -113.2581 | -2-12- | 0-119153 | 58340 | -0.06 | 825 | 15990 | 79 | 207 | 6.2 | 73 | 7.9 | 7 | 1.9 | 26480 | 9.4 | 18370 | 35 | 0.5 | | | | | |
| 16-44 | 7531 | -113.2164 | -2-12- | 0-119154 | 57200 | -0.07 | 860 | 23430 | 51 | 154 | 9.9 | 71 | 7.4 | 6 | 1.6 | 25210 | 6.3 | 14190 | 26 | 0.4 | | | | | |
| 16-44 | 7614 | -113.1959 | -2-12- | 0-119155 | 62470 | -0.08 | 1275 | 15830 | 98 | 132 | 16.3 | 148 | 6.3 | 6 | 1.9 | 37270 | 10.2 | 23420 | 36 | 0.6 | | | | | |
| 16-44 | 7608 | -113.1908 | -2-11- | 0-119156 | 50070 | -0.06 | 726 | 9298 | 52 | 150 | 5.6 | 44 | 4.8 | 7 | 0.7 | 14550 | 7.4 | 23230 | 29 | 0.3 | | | | | |
| 16-44 | 7628 | -113.1989 | -2-12- | 0-119157 | 56240 | -0.06 | 974 | 12530 | 80 | 161 | 4.3 | 42 | 6.8 | 7 | 1.6 | 17120 | 13.5 | 21360 | 48 | 0.6 | | | | | |
| 16-44 | 7747 | -113.2528 | -2-12- | 0-119158 | 48090 | -0.06 | 884 | 23030 | 44 | 181 | 4.5 | 65 | 6.5 | 5 | 1.0 | 16200 | 8.8 | 16460 | 27 | 0.3 | | | | | |
| 16-44 | 7744 | -113.2467 | -2-12- | 0-119159 | 62000 | -0.07 | 1022 | 14590 | 100 | 271 | 6.1 | 59 | 3.4 | 9 | 2.0 | 23300 | 45.8 | 21100 | 43 | 1.2 | | | | | |
| 16-44 | 7797 | -113.2789 | -2-15- | 0-119160 | 62200 | -0.07 | 647 | 16130 | 69 | 193 | 11.3 | 78 | 6.7 | 6 | 1.3 | 26900 | 5.6 | 22400 | 34 | 0.4 | | | | | |
| 16-44 | 7800 | -113.2756 | -2-11- | 0-119161 | 49140 | -0.06 | 523 | 67710 | 60 | 259 | 8.0 | 56 | 6.8 | 5 | 1.3 | 21190 | 6.3 | 17500 | 26 | 0.3 | | | | | |
| 16-44 | 7806 | -113.2553 | -2-12- | 0-119162 | 68480 | -0.06 | 1086 | 15910 | 97 | 302 | 8.5 | 45 | 2.8 | 11 | 2.0 | 30360 | 25.8 | 27490 | 45 | 0.9 | | | | | |
| 16-44 | 7925 | -113.2442 | -2-12- | 0-119163 | 72030 | -0.08 | 1096 | 11750 | 153 | 248 | 10.5 | 54 | 5.4 | 11 | 2.5 | 38630 | 13.2 | 27670 | 58 | 1.0 | | | | | |
| 16-44 | 7919 | -113.2475 | -2-11- | 0-119164 | 51300 | -0.07 | 587 | 58710 | 82 | 267 | 6.5 | 38 | 4.2 | 3 | 1.4 | 23350 | 8.5 | 23380 | 32 | 0.5 | | | | | |
| 16-44 | 8053 | -113.2483 | -2-12- | 0-119165 | 72270 | -0.07 | 660 | 14600 | 82 | 374 | 10.5 | 39 | 9.0 | 3 | 2.1 | 32070 | 9.5 | 20030 | 38 | 0.6 | | | | | |
| 16-44 | 7981 | -113.1908 | -2-11- | 0-119166 | 62370 | -0.07 | 827 | 10360 | 150 | 398 | 13.3 | 79 | 4.0 | 15 | 2.5 | 38840 | 35.1 | 25870 | 62 | 1.2 | | | | | |
| 16-44 | 8075 | -113.2678 | -2-11- | 0-119167 | 61280 | -0.06 | 590 | 13270 | 97 | 265 | 7.6 | 48 | 7.1 | 3 | 2.2 | 26790 | 8.0 | 16730 | 41 | 0.9 | | | | | |
| 16-44 | 7678 | -113.3692 | -2-11- | 0-119169 | 57150 | -0.06 | 666 | 3998 | 64 | -73 | 5.1 | 53 | 4.5 | 5 | 1.3 | 18470 | 11.2 | 23580 | 30 | 0.4 | | | | | |
| 16-44 | 7903 | -113.2514 | -2-15- | 0-119170 | 58360 | -0.06 | 688 | 22900 | 72 | 195 | 7.9 | 53 | 6.4 | 5 | 1.4 | 24890 | 12.7 | 22420 | 31 | 0.5 | | | | | |
| 16-44 | 7811 | -113.4444 | -2-11- | 0-119171 | 51170 | -0.07 | 644 | 78850 | 51 | 249 | 7.5 | 102 | 4.5 | 5 | 1.1 | 24920 | 6.6 | 15030 | 30 | 0.4 | | | | | |
| 16-44 | 7689 | -113.4419 | -2-12- | 0-119172 | 52160 | -0.08 | 1287 | 100500 | 69 | -91 | 16.2 | 247 | 5.5 | 5 | 1.7 | 33410 | 5.3 | 21490 | 26 | 0.4 | | | | | |
| 16-44 | 7592 | -113.4406 | -2-12- | 0-119173 | 50520 | -0.07 | 772 | 34460 | 81 | -86 | 17.5 | 457 | 5.9 | 6 | 1.6 | 37180 | 12.2 | 20030 | 42 | 0.5 | | | | | |
| 16-44 | 7617 | -113.4900 | -2-12- | 0-119174 | 55620 | -0.06 | 742 | 46270 | 71 | 274 | 8.1 | 68 | 6.3 | 5 | 1.4 | 25110 | 8.1 | 20820 | 39 | 0.4 | | | | | |
| 16-44 | 7642 | -113.4911 | -2-15- | 0-119175 | 52640 | -0.05 | 723 | 32880 | 80 | 0-1 | 5.2 | 46 | 8.1 | 5 | 0.7 | 18100 | 10.4 | 36550 | 39 | 0.5 | | | | | |
| 16-44 | 7675 | -113.4939 | -2-15- | 0-119176 | 26860 | 0.21 | -931 | 41490 | 64 | -440 | 5.7 | 36 | 46.1 | -5 | 0.9 | 41020 | 7.7 | -22870 | 53 | 0.2 | | | | | |
| 16-44 | 7653 | -113.5181 | -2-12- | 0-119177 | 43920 | -0.06 | 431 | 9868 | 49 | 176 | 5.9 | 77 | 4.5 | 5 | 1.1 | 18550 | 9.4 | 14240 | 25 | 0.4 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO | |
|-------------------|----------|-----------|---------|-------------|-----------|---|---|-----|----|------|------|------|----|----|------|-------|-----|------|------|---------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | | Yb |
| 16-44 | 5647 | -113.2444 | -3-11- | 0-11012A | 27200 | 264 | 7104 | -23 | -2 | 5.9 | 4.7 | -179 | -1 | -1 | 8.5 | 2273 | 37 | 3.5 | 161 | 0.282 | |
| 16-44 | 5192 | -113.5711 | -2-12- | 0-110127 | 6986 | 669 | 15280 | 72 | -3 | 9.3 | 11.2 | 624 | -1 | -1 | 21.7 | 3452 | 71 | 3.9 | 127 | 1.018 | |
| 16-44 | 5006 | -113.5764 | -2-15- | 0-110128 | 9342 | 557 | 9989 | 119 | -1 | 9.8 | 10.4 | -270 | -1 | -1 | 16.1 | 3127 | 66 | 4.3 | 101 | 1.944 | |
| 16-44 | 4569 | -113.5661 | -2-12- | 0-110129 | 9290 | 442 | 10770 | 90 | -3 | 6.5 | 4.9 | -253 | -1 | -1 | 11.8 | 3991 | 59 | 4.3 | 84 | 0.551 | |
| 16-44 | 4578 | -113.5914 | -2-12- | 0-110130 | 6719 | 270 | 10180 | 91 | -4 | 7.7 | 13.0 | -206 | -1 | -1 | 14.7 | 2964 | 46 | 5.6 | -25 | 1.563 | |
| 16-44 | 3519 | -113.4136 | -2-11- | 0-110131 | 12200 | 254 | 9555 | -30 | -3 | 9.2 | 5.0 | -206 | -1 | -1 | 8.4 | 3329 | 72 | -1.8 | -56 | 0.298 | |
| 16-44 | 7042 | -113.6108 | -2-11- | 0-110132 | 12220 | 690 | 13340 | -46 | -5 | 16.0 | 6.6 | -351 | -2 | -1 | 9.4 | 4544 | 108 | 4.4 | -56 | 0.819 | |
| 16-44 | 7028 | -113.9053 | -2-11- | 0-110133 | 5791 | 269 | 6924 | -34 | -3 | 9.4 | 11.2 | -222 | -2 | -1 | 10.2 | 2780 | 46 | -2.0 | 94 | 2.500 | |
| 16-44 | 6922 | -113.9003 | -2-12- | 0-110134 | 2686 | 241 | 3269 | -17 | -2 | 3.7 | 5.7 | -162 | -1 | -1 | 7.7 | 1888 | 20 | 2.8 | -10 | 1.156 | |
| 16-44 | 6900 | -113.9067 | -2-09- | 0-110135 | 11250 | 1257 | 13040 | 97 | -4 | 17.9 | 7.2 | -378 | -1 | -1 | 10.4 | 3408 | 133 | 3.9 | 73 | 0.327 | |
| 16-44 | 6708 | -113.8786 | -2-12- | 0-110136 | 5424 | 519 | 8176 | 81 | -4 | 9.7 | 9.2 | -280 | -1 | -1 | 12.5 | 2389 | 45 | -2.5 | 157 | 1.472 | |
| 16-44 | 6764 | -113.8975 | -2-12- | 0-110137 | 8599 | 400 | 10450 | 91 | -3 | 12.8 | 10.3 | -216 | -1 | -1 | 13.2 | 3129 | 63 | 5.0 | 37 | 1.000 | |
| 16-44 | 6786 | -113.9086 | -2-09- | 0-110139 | 6907 | 1112 | 18650 | -32 | -3 | 8.5 | 6.0 | -334 | -1 | -1 | 11.6 | 3483 | 73 | -1.8 | 121 | 0.284 | |
| 16-44 | 6861 | -113.9294 | -2-11- | 0-110139 | 7393 | 476 | 4039 | -30 | -2 | 3.6 | 1.5 | 595 | -1 | -1 | 2.9 | -757 | 26 | -1.4 | -84 | 0.310 | |
| 16-44 | 5497 | -113.6667 | -2-12- | 0-110140 | 5562 | 107 | 9956 | -28 | 4 | 5.9 | 4.6 | -130 | -1 | -1 | 9.7 | 2906 | 33 | 4.5 | 46 | 1.072 | |
| 16-44 | 5506 | -113.6492 | -2-12- | 0-110141 | 6493 | 417 | 8218 | 82 | -3 | 8.6 | 6.9 | -245 | -2 | -1 | 10.5 | 2676 | 52 | 3.9 | 56 | 2.676 | |
| 16-44 | 5800 | -113.6625 | -2-15- | 0-110142 | 5552 | 484 | 12130 | 105 | -2 | 6.8 | 5.8 | -253 | -1 | -1 | 10.8 | 3702 | 53 | 4.9 | -99 | 0.333 | |
| 16-44 | 5806 | -113.6583 | -2-12- | 0-110143 | 7400 | 508 | 8430 | 94 | -1 | 10.1 | 9.5 | -222 | -2 | -1 | 13.4 | 2967 | 56 | 5.2 | -44 | 2.194 | |
| 16-44 | 5444 | -113.7392 | -2-11- | 0-110144 | 7815 | 291 | 12460 | 92 | -1 | 6.7 | 6.0 | -216 | -1 | -1 | 11.3 | 2896 | 38 | 3.3 | -44 | 1.106 | |
| 16-44 | 7311 | -112.9422 | -2-15- | 0-110145 | 14230 | 769 | 9541 | 64 | -1 | 6.4 | 8.5 | -271 | -1 | -1 | 12.0 | 3143 | 75 | 4.0 | -99 | 0.258 | |
| 16-44 | 2261 | -112.8322 | -2-15- | 0-110146 | 10970 | 800 | 8729 | 59 | 2 | 8.6 | 6.8 | -261 | -1 | -1 | 12.4 | 2945 | 84 | 3.1 | 167 | 0.266 | |
| 16-44 | 2261 | -112.9239 | -2-15- | 0-110147 | 15760 | 868 | 11590 | 79 | -2 | 9.0 | 6.5 | -254 | -1 | -1 | 9.6 | 3039 | 108 | 3.0 | 292 | 0.313 | |
| 16-44 | 2114 | -112.8542 | -2-15- | 0-110148 | 9515 | 907 | 8677 | 71 | -1 | 9.5 | 7.3 | -269 | -1 | -1 | 12.8 | 3416 | 87 | 3.1 | 234 | 0.242 | |
| 16-44 | 7067 | -112.8872 | -2-15- | 0-110149 | 9156 | 854 | 9026 | 81 | -1 | 9.0 | 7.2 | -300 | -1 | -1 | 11.4 | 3353 | 78 | 3.4 | 136 | 0.272 | |
| 16-44 | 2056 | -112.8875 | -2-15- | 0-110150 | 13800 | 866 | 8163 | 80 | -1 | 8.0 | 5.1 | -278 | -1 | -1 | 10.8 | 3895 | 81 | 3.0 | 167 | 0.269 | |
| 16-44 | 2328 | -112.9614 | -2-11- | 0-110151 | 11520 | 181 | 2888 | -23 | -1 | 3.4 | 2.9 | -139 | -1 | -1 | 4.5 | 1329 | 50 | 2.1 | 111 | 0.644 | |
| 16-44 | 7500 | -113.4306 | -2-15- | 0-110152 | 12780 | 812 | 10620 | 85 | -2 | 11.6 | 6.8 | -260 | -1 | -1 | 10.3 | 3928 | 75 | 5.7 | -89 | 0.291 | |
| 16-44 | 7581 | -113.2581 | -2-12- | 0-110153 | 7214 | 668 | 5214 | 92 | -2 | 9.4 | 9.8 | -305 | -2 | -1 | 12.5 | 3515 | 74 | 4.0 | 123 | 0.456 | |
| 16-44 | 7531 | -113.2164 | -2-12- | 0-110154 | 9552 | 620 | 8357 | 63 | -2 | 9.1 | 5.7 | -287 | -1 | -1 | 8.7 | 3262 | 66 | 3.6 | 110 | 0.414 | |
| 16-44 | 7614 | -113.1989 | -2-12- | 0-110155 | 6139 | 815 | 10190 | 89 | -2 | 11.9 | 8.4 | -227 | -1 | -1 | 12.0 | 3488 | 88 | 4.7 | -38 | 0.850 | |
| 16-44 | 7609 | -113.1908 | -2-11- | 0-110156 | 5054 | 425 | 4142 | 83 | -1 | 5.9 | 5.4 | -215 | -2 | -1 | 9.6 | 2710 | 38 | 3.6 | 114 | 1.625 | |
| 16-44 | 7628 | -113.1989 | -2-12- | 0-110157 | 5490 | 156 | 7526 | 78 | -2 | 7.4 | 12.2 | -196 | 2 | -1 | 11.8 | 3196 | 77 | 5.6 | 153 | 2.873 | |
| 16-44 | 7747 | -113.2528 | -2-12- | 0-110159 | 10290 | 178 | 7500 | -27 | -1 | 6.4 | 4.8 | -186 | -1 | -1 | 7.2 | 2770 | 70 | 2.8 | 130 | 0.569 | |
| 16-44 | 7744 | -113.2467 | -2-12- | 0-110159 | 6856 | 548 | 13910 | 71 | -2 | 7.9 | 8.6 | -223 | -1 | -1 | 17.5 | 4940 | 58 | 7.9 | -82 | 0.400 | |
| 16-44 | 7797 | -113.2789 | -2-15- | 0-110160 | 7784 | 875 | 8206 | 90 | 2 | 10.1 | 6.1 | -290 | -1 | -1 | 9.8 | 3294 | 113 | 3.9 | 289 | 0.316 | |
| 16-44 | 7800 | -113.2756 | -2-11- | 0-110161 | 17730 | 657 | 5756 | 55 | -2 | 8.0 | 6.5 | -293 | -1 | -1 | 7.6 | 2603 | 74 | 2.7 | 219 | 0.316 | |
| 16-44 | 7806 | -113.2553 | -2-12- | 0-110162 | 8499 | 752 | 12940 | 88 | -1 | 9.3 | 9.1 | -272 | -1 | -1 | 13.8 | 5130 | 68 | 6.3 | 121 | 0.333 | |
| 16-44 | 7925 | -113.2442 | -2-12- | 0-110163 | 9225 | 843 | 12430 | 91 | -2 | 10.8 | 13.2 | -249 | -1 | 2 | 16.9 | 4628 | 63 | 8.8 | 176 | 0.213 | |
| 16-44 | 7919 | -113.2475 | -2-11- | 0-110164 | 21280 | 664 | 8728 | 70 | -1 | 7.9 | 6.6 | 730 | -1 | -1 | 11.4 | 2623 | 54 | 3.9 | 124 | 0.684 | |
| 16-44 | 8053 | -113.2483 | -2-12- | 0-110165 | 7038 | 876 | 9997 | 98 | -2 | 11.8 | 10.6 | -321 | -1 | -1 | 12.1 | 3741 | 83 | 4.8 | 126 | 0.372 | |
| 16-44 | 7981 | -113.1908 | -2-11- | 0-110166 | 7670 | 1379 | 14510 | 104 | -2 | 10.0 | 13.7 | -373 | -1 | 2 | 23.6 | 5394 | 62 | 10.0 | 170 | 0.256 | |
| 16-44 | 8075 | -113.2678 | -2-11- | 0-110167 | 5883 | 398 | 6292 | 109 | -2 | 10.3 | 12.9 | -200 | -1 | 1 | 12.1 | 3554 | 65 | 5.3 | 143 | 0.595 | |
| 16-44 | 7678 | -113.3692 | -2-11- | 0-110169 | 4196 | 177 | 6256 | 94 | -1 | 7.0 | 5.3 | -161 | -1 | -1 | 10.7 | 2859 | 51 | 3.4 | 121 | 0.336 | |
| 16-44 | 7903 | -113.2514 | -2-15- | 0-110170 | 9876 | 762 | 9779 | 79 | -1 | 8.8 | 7.7 | -287 | -1 | -1 | 11.3 | 3175 | 64 | 3.9 | 122 | 0.363 | |
| 16-44 | 7811 | -113.4444 | -2-11- | 0-110171 | 21740 | 613 | 9624 | -30 | -2 | 8.5 | 4.9 | -281 | -1 | 1 | 7.9 | 3388 | 61 | -1.2 | 196 | 0.291 | |
| 16-44 | 7699 | -113.4419 | -2-12- | 0-110172 | 14200 | 841 | 8264 | -31 | -2 | 12.7 | 7.1 | -243 | -1 | -1 | 10.0 | 3225 | 104 | 3.5 | 124 | 0.210 | |
| 16-44 | 7692 | -113.4406 | -2-12- | 0-110173 | 16650 | 589 | 8410 | 87 | -2 | 11.6 | 6.4 | -219 | -1 | -1 | 13.6 | 3666 | 113 | 3.5 | 106 | 0.257 | |
| 16-44 | 7617 | -113.4500 | -2-12- | 0-110174 | 14340 | 590 | 10040 | 66 | 4 | 8.6 | 7.1 | -297 | -1 | -1 | 9.6 | 2702 | 56 | 3.8 | 150 | 0.333 | |
| 16-44 | 7642 | -113.4611 | -2-15- | 0-110175 | 10320 | 509 | 8360 | 87 | 23 | 5.2 | 6.4 | -202 | 2 | -1 | 10.5 | 2793 | 48 | 3.6 | 118 | 0.390 | |
| 16-44 | 7475 | -113.4639 | -2-15- | 0-110176 | -9479 | 12190 | 2222 | -46 | 81 | 3.4 | 4.4 | | -1 | -1 | 7.0 | -4476 | -47 | 2.7 | 1875 | 1.000 | |
| 16-44 | 7653 | -113.5181 | -2-12- | 0-110177 | 5278 | 514 | 7840 | 43 | -1 | 6.8 | 4.3 | -221 | -1 | -1 | 7.1 | 2342 | 39 | 4.4 | -49 | 0.465 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

②

| DOE SAMPLE NUMBER | | | | | | DOE SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------|---|----|-----|-----|----|----|-----|-----|----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.7P44-113.5631-2-15- | 0-L10178 | -5 | 6 | -5 | 22 | -20 | -15 | 10 | -10 | -15 | 7 | -5 | 336 | 2 | 26 | | | | | | |
| 16-44.7764-113.5939-2-12- | 0-L10179 | -5 | 5 | -5 | 31 | 27 | -15 | 71 | -10 | -15 | -5 | -5 | 249 | 2 | 18 | | | | | | |
| 16-44.8867-113.5915-2-11- | 0-L10180 | -5 | -5 | -5 | 26 | 27 | 15 | 7 | -10 | -15 | 16 | -5 | 249 | 2 | 35 | | | | | | |
| 16-44.4989-113.9150-2-15- | 0-L10181 | -5 | -5 | -5 | 27 | 23 | 38 | 38 | -10 | -15 | -5 | -5 | 182 | 3 | 29 | | | | | | |
| 16-44.4561-113.9156-2-15- | 0-L10182 | -5 | -5 | -5 | 31 | 32 | -15 | 51 | -10 | -15 | 5 | -5 | 157 | 2 | 28 | | | | | | |
| 16-44.4583-113.9183-2-12- | 0-L10183 | -5 | -5 | -5 | 26 | 37 | 17 | 9 | -10 | -15 | 5 | -5 | 164 | 1 | 30 | | | | | | |
| 16-44.4561-113.9442-2-12- | 0-L10184 | -5 | -5 | -5 | 18 | 20 | -15 | 18 | -10 | -15 | 10 | -5 | 114 | 1 | 22 | | | | | | |
| 16-44.4386-113.8889-2-15- | 0-L10185 | -5 | -5 | -5 | 20 | 21 | 279 | 15 | -10 | -15 | 5 | -5 | 107 | 2 | 22 | | | | | | |
| 16-44.4200-113.8881-2-12- | 0-L10186 | -5 | -5 | -5 | 20 | 21 | 279 | 15 | -10 | -15 | 5 | -5 | 107 | -1 | 16 | | | | | | |
| 16-44.4111-113.9014-2-12- | 0-L10187 | -5 | 5 | -5 | 42 | 32 | 252 | -5 | -10 | -15 | 22 | 7 | 91 | -1 | 25 | | | | | | |
| 16-44.4136-113.9058-2-12- | 0-L10188 | -5 | -5 | -5 | 45 | -20 | 219 | -5 | -10 | -15 | 26 | -5 | 104 | 2 | 26 | | | | | | |
| 16-44.4325-113.8836-2-15- | 0-L10189 | -5 | 5 | -5 | 21 | -20 | 26 | 7 | -10 | -15 | 14 | -5 | 120 | 1 | 25 | | | | | | |
| 16-44.4464-113.8228-2-15- | 0-L10190 | -5 | -5 | -5 | 19 | -20 | 29 | 9 | -10 | -15 | 13 | -5 | 196 | 1 | 38 | | | | | | |
| 16-44.4364-113.8147-2-15- | 0-L10191 | -5 | -5 | -5 | 41 | 24 | 15 | 10 | -10 | -15 | 17 | 12 | -5 | 168 | 2 | 27 | | | | | |
| 16-44.4167-113.7614-2-15- | 0-L10192 | -5 | -5 | -5 | 22 | 30 | -15 | 10 | -10 | -15 | 11 | -5 | 151 | 2 | 35 | | | | | | |
| 16-44.4217-113.7503-2-11- | 0-L10193 | -5 | 5 | -5 | 12 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 45 | -1 | 7 | | | | | | |
| 16-44.4219-113.7858-2-15- | 0-L10194 | -5 | -5 | -5 | 22 | 32 | -15 | 11 | -10 | -15 | 10 | -5 | 178 | 2 | 40 | | | | | | |
| 16-44.6622-113.5381-2-12- | 0-L10195 | -5 | -5 | -5 | 30 | -20 | 26 | 16 | -10 | -15 | 12 | -5 | 187 | 1 | 17 | | | | | | |
| 16-44.7028-113.5086-2-15- | 0-L10196 | -5 | -5 | -5 | 34 | -20 | 39 | 30 | -10 | -15 | 11 | -5 | 158 | 2 | 17 | | | | | | |
| 16-44.7336-113.5131-2-15- | 0-L10197 | -5 | -5 | -5 | 22 | -20 | -15 | 11 | -10 | -15 | 7 | -5 | 246 | 1 | 26 | | | | | | |
| 16-44.7383-113.5452-2-15- | 0-L10198 | -5 | -5 | -5 | 22 | -20 | -15 | 13 | -10 | -15 | 16 | -5 | 217 | 2 | 16 | | | | | | |
| 16-44.7367-113.5567-2-15- | 0-L10199 | -5 | -5 | -5 | 21 | -20 | 22 | 6 | -10 | -15 | 8 | -5 | 207 | 2 | 13 | | | | | | |
| 16-44.7056-113.5953-2-12- | 0-L10200 | -5 | 6 | -5 | 21 | -20 | 15 | 13 | -10 | -15 | 10 | -5 | 184 | 3 | 29 | | | | | | |
| 16-44.7067-113.5928-2-12- | 0-L10201 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 10 | -5 | 228 | 1 | 5 | | | | | | |
| 16-44.6764-113.6144-2-12- | 0-L10202 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 188 | -1 | 2 | | | | | | |
| 16-44.8558-113.9756-2-15- | 0-L10204 | -5 | -5 | -5 | 37 | -20 | 55 | 11 | -10 | -15 | 6 | -5 | 235 | 4 | 25 | | | | | | |
| 16-44.8328-113.9778-2-12- | 0-L10205 | -5 | -5 | -5 | 22 | -20 | -15 | 6 | -10 | -15 | 9 | -5 | 268 | 4 | 45 | | | | | | |
| 16-44.8092-113.9633-2-12- | 0-L10206 | -5 | -5 | -5 | 25 | -20 | -15 | 6 | -10 | -15 | 5 | -5 | 303 | -1 | 28 | | | | | | |
| 16-44.8106-113.9633-2-12- | 0-L10207 | -5 | -5 | -5 | 36 | -20 | 15 | -5 | -10 | -15 | 10 | -5 | 235 | 2 | 25 | | | | | | |
| 16-44.8275-113.9281-2-12- | 0-L10208 | -5 | -5 | -5 | 49 | -20 | -15 | 5 | -10 | -15 | 12 | -5 | 239 | -1 | 35 | | | | | | |
| 16-44.8042-113.9692-2-12- | 0-L10209 | -5 | 5 | -5 | 15 | -20 | 20 | 6 | -10 | -15 | 5 | -5 | 289 | 4 | 20 | | | | | | |
| 16-44.7644-113.9653-2-12- | 0-L10210 | -5 | 7 | -5 | 10 | -20 | -15 | 9 | -10 | -15 | 8 | -5 | 605 | 2 | 19 | | | | | | |
| 16-44.7714-113.9250-2-12- | 0-L10211 | -5 | -5 | -5 | 20 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 313 | -1 | 28 | | | | | | |
| 16-44.7831-113.9342-2-12- | 0-L10212 | -5 | 6 | -5 | 17 | -20 | -15 | 5 | -10 | -15 | 7 | -5 | 323 | -1 | 28 | | | | | | |
| 16-44.5944-113.9725-2-12- | 0-L10213 | -5 | 6 | -5 | 39 | -20 | -15 | 9 | -10 | -15 | 8 | -5 | 196 | 3 | 26 | | | | | | |
| 16-44.5458-113.9606-2-12- | 0-L10214 | -5 | -5 | -5 | 52 | -20 | 22 | 12 | -10 | -15 | -5 | -5 | 238 | 3 | 26 | | | | | | |
| 16-44.5597-113.9122-2-12- | 0-L10215 | -5 | 5 | -5 | 51 | -20 | 34 | 12 | -10 | -15 | 6 | -5 | 188 | -1 | 37 | | | | | | |
| 16-44.5319-113.9253-2-11- | 0-L10216 | -5 | -5 | -5 | 15 | -20 | -15 | -5 | -10 | -15 | 12 | -5 | 56 | -1 | 13 | | | | | | |
| 16-44.5206-113.9228-2-15- | 0-L10217 | -5 | -5 | -5 | 32 | -20 | 25 | 8 | -10 | -15 | 5 | -5 | 203 | -1 | 34 | | | | | | |
| 16-44.5183-113.9297-2-15- | 0-L10218 | -5 | -5 | -5 | 36 | -20 | 26 | 11 | -10 | -15 | 8 | -5 | 184 | -1 | 33 | | | | | | |
| 16-44.5211-113.8822-2-15- | 0-L10219 | -5 | -5 | -5 | 23 | -20 | 38 | 6 | -10 | -15 | 9 | -5 | 125 | 1 | 29 | | | | | | |
| 16-44.6083-113.9811-2-15- | 0-L10220 | -5 | -5 | -5 | 21 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 186 | 2 | 23 | | | | | | |
| 16-44.6286-113.9461-2-15- | 0-L10221 | -5 | 9 | -5 | 36 | -20 | 16 | 22 | -10 | -15 | -5 | -5 | 144 | -1 | 50 | | | | | | |
| 16-44.6258-113.9417-2-12- | 0-L10222 | -5 | 8 | -5 | -10 | -20 | 17 | -5 | -10 | -15 | 8 | -5 | 343 | 2 | 15 | | | | | | |
| 16-44.6353-113.8992-2-15- | 0-L10223 | -5 | 8 | -5 | 25 | -20 | -15 | 11 | -10 | 15 | 8 | -5 | 295 | -1 | 30 | | | | | | |
| 16-44.6247-113.8764-2-15- | 0-L10224 | -5 | 7 | -5 | 17 | -20 | -15 | 16 | -10 | -15 | -5 | -5 | 294 | 2 | 27 | | | | | | |
| 16-44.6192-113.9106-2-12- | 0-L10225 | -5 | -5 | -5 | 19 | -20 | -15 | 16 | -10 | 26 | -5 | -5 | 195 | -1 | 18 | | | | | | |
| 16-44.6150-113.8389-2-11- | 0-L10226 | -5 | -5 | -5 | 14 | -20 | -15 | 6 | -10 | 19 | 6 | -5 | 250 | 2 | 25 | | | | | | |
| 16-44.6108-113.8119-2-12- | 0-L10227 | -5 | 6 | -5 | 22 | -20 | -15 | 8 | -10 | -15 | 10 | -5 | 207 | 2 | 17 | | | | | | |
| 16-44.6489-113.7653-2-12- | 0-L10228 | -5 | -5 | -5 | 26 | -20 | -15 | 12 | -10 | -15 | 6 | -5 | 188 | -1 | 70 | | | | | | |
| 16-44.6472-113.7631-2-12- | 0-L10229 | -5 | 7 | -5 | 23 | 33 | -15 | -5 | -10 | -15 | 16 | -5 | 190 | -1 | 32 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|-----------|--|---|--------|-----|------|------|-----|------|----|------|-------|------|-------|----|------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 16-44 | 7844 | -113.5621 | -2-15 | 0-119178 | 53070 | -0.05 | 655 | 9215 | 80 | 248 | 7.2 | 69 | 4.9 | 6 | 1.7 | 26590 | 16.0 | 20570 | 37 | 0.5 |
| 16-44 | 7764 | -113.5939 | -2-12 | 0-119179 | 51830 | -0.06 | 1064 | 11430 | 69 | -83 | 8.5 | 78 | 4.9 | 6 | 1.2 | 26980 | 9.4 | 21150 | 33 | 0.4 |
| 16-44 | 8867 | -113.5019 | -2-11 | 0-119180 | 69050 | -0.07 | 783 | 3835 | 95 | 224 | 8.4 | 46 | 5.1 | 6 | 1.7 | 27980 | 11.4 | 24310 | 35 | 0.6 |
| 16-44 | 4980 | -113.9150 | -2-15 | 0-119181 | 61810 | -0.07 | 675 | 43590 | 70 | 90 | 20.8 | 404 | -2.0 | 5 | 1.8 | 44290 | 7.5 | 25580 | 31 | 0.4 |
| 16-44 | 4561 | -113.9156 | -2-15 | 0-119182 | 53750 | -0.05 | 904 | 56860 | 70 | 185 | 10.0 | 91 | 5.0 | 4 | 1.4 | 27950 | 6.4 | 13880 | 29 | 0.3 |
| 16-44 | 4583 | -113.9183 | -2-12 | 0-119183 | 60890 | -0.06 | 1126 | 62750 | 69 | 185 | 11.8 | 173 | 4.4 | 4 | 1.0 | 30820 | 6.1 | 21040 | 38 | 0.2 |
| 16-44 | 4561 | -113.9442 | -2-12 | 0-119184 | 47550 | -0.07 | 720 | 95040 | 62 | 364 | 8.2 | 73 | 5.4 | 3 | 1.2 | 23130 | 4.6 | 14690 | 28 | 0.2 |
| 16-44 | 4386 | -113.8889 | -2-15 | 0-119185 | 56950 | -0.07 | 895 | 66310 | 89 | -88 | 19.9 | 231 | 3.7 | 4 | 1.8 | 44810 | 7.1 | 15410 | 44 | 0.3 |
| 16-44 | 4200 | -113.8881 | -2-12 | 0-119186 | 35150 | -0.06 | 775 | 137100 | 48 | -81 | 5.0 | 65 | 5.0 | 4 | 1.1 | 18980 | 3.1 | 12360 | 21 | 0.2 |
| 16-44 | 4111 | -113.9014 | -2-12 | 0-119187 | 45470 | -0.09 | 923 | 45790 | 52 | -91 | 26.7 | 90 | 7.0 | 4 | 1.2 | 50200 | 4.3 | 17770 | 27 | 0.3 |
| 16-44 | 4136 | -113.9058 | -2-12 | 0-119188 | 49220 | -0.07 | 946 | 51860 | 49 | -98 | 23.5 | 76 | 7.0 | 5 | 1.3 | 45360 | 3.8 | 17590 | 27 | 0.2 |
| 16-44 | 4325 | -113.8836 | -2-15 | 0-119189 | 45950 | -0.06 | 874 | 73140 | 57 | 249 | 7.7 | 65 | 5.0 | 4 | 1.3 | 21790 | 5.8 | 14630 | 28 | 0.3 |
| 16-44 | 4464 | -113.8228 | -2-15 | 0-119190 | 54470 | -0.06 | 625 | 48810 | 59 | 120 | 8.2 | 87 | 4.5 | 4 | 1.2 | 25970 | 7.9 | 18350 | 32 | 0.3 |
| 16-44 | 4364 | -113.8147 | -2-15 | 0-119191 | 41190 | -0.05 | 416 | 55000 | 69 | -87 | 10.5 | 108 | 5.7 | 3 | 1.4 | 25770 | 8.1 | 9576 | 33 | 0.3 |
| 16-44 | 4167 | -113.7614 | -2-15 | 0-119192 | 53040 | -0.06 | 665 | 57900 | 47 | -99 | 6.9 | 64 | 4.0 | 4 | 1.0 | 23740 | 5.1 | 16300 | 24 | 0.3 |
| 16-44 | 4217 | -113.7503 | -2-11 | 0-119193 | 9158 | -0.04 | 335 | 252800 | 10 | 392 | -0.7 | 15 | -0.8 | 1 | -0.2 | 3561 | -0.6 | 3507 | -3 | -0.1 |
| 16-44 | 4219 | -113.7858 | -2-15 | 0-119194 | 56230 | -0.06 | 683 | 58260 | 56 | 133 | 8.5 | 75 | 5.0 | 4 | 1.3 | 29820 | 8.0 | 21350 | 26 | 0.3 |
| 16-44 | 6622 | -113.5381 | -2-12 | 0-119195 | 48220 | -0.06 | 588 | 14700 | 61 | -96 | 10.7 | 295 | 4.8 | 4 | 1.4 | 24400 | 8.4 | 14120 | 24 | 0.3 |
| 16-44 | 7028 | -113.5096 | -2-15 | 0-119196 | 50860 | -0.07 | 647 | 18580 | 48 | 162 | 13.8 | 167 | 5.6 | 5 | 1.3 | 27100 | 5.3 | 13660 | 26 | 0.2 |
| 16-44 | 7336 | -113.5131 | -2-15 | 0-119197 | 55700 | -0.08 | 656 | 12400 | 51 | 141 | 10.2 | 65 | 4.3 | 5 | 1.4 | 30450 | 12.2 | 19160 | 33 | 0.4 |
| 16-44 | 7383 | -113.5453 | -2-15 | 0-119198 | 48220 | -0.08 | 817 | 12230 | 51 | -142 | 31.1 | 48 | 3.7 | 5 | 0.8 | 33860 | 7.0 | -7535 | 26 | 0.4 |
| 16-44 | 7367 | -113.5567 | -2-15 | 0-119199 | 40270 | -0.06 | 223 | 6796 | 45 | -70 | 6.9 | 145 | 10.1 | 5 | 1.6 | 18620 | 7.7 | 13640 | 23 | 0.4 |
| 16-44 | 7056 | -113.5953 | -2-12 | 0-119200 | 71680 | -0.08 | 723 | 10490 | 47 | 192 | 5.9 | 62 | 19.8 | 6 | 1.7 | 22830 | 4.4 | 18270 | 31 | 0.4 |
| 16-44 | 7067 | -113.5928 | -2-12 | 0-119201 | 27180 | -0.06 | 358 | 5780 | 42 | -43 | 5.2 | 144 | 3.7 | 5 | 0.8 | 11940 | 8.7 | 9475 | 17 | 0.2 |
| 16-44 | 6764 | -113.6144 | -2-12 | 0-119202 | 16570 | -0.03 | -42 | -408 | 32 | 135 | 1.4 | 47 | 2.5 | 5 | 0.4 | 5980 | 6.8 | 6482 | 14 | 0.2 |
| 16-44 | 8559 | -113.9758 | -2-15 | 0-119204 | 59380 | -0.07 | 492 | 23680 | 53 | -118 | 22.4 | 381 | 4.2 | 7 | 1.9 | 46870 | 9.0 | 16970 | 44 | 0.5 |
| 16-44 | 8328 | -113.9778 | -2-12 | 0-119205 | 56650 | -0.07 | 926 | 12960 | 78 | 243 | 8.8 | 91 | 6.2 | 7 | 1.7 | 32440 | 8.7 | 24230 | 42 | 0.5 |
| 16-44 | 8092 | -113.9633 | -2-12 | 0-119206 | 56810 | -0.07 | 354 | 12680 | 79 | 270 | 6.7 | 51 | 4.4 | 6 | 1.5 | 22010 | 12.6 | 19740 | 33 | 0.4 |
| 16-44 | 9106 | -113.9633 | -2-12 | 0-119207 | 60340 | -0.09 | 1180 | 16430 | 80 | 260 | 11.7 | 64 | 7.3 | 7 | 2.0 | 33980 | 9.2 | 16480 | 48 | 0.5 |
| 16-44 | 8275 | -113.9381 | -2-12 | 0-119208 | 68840 | -0.08 | 1237 | 9075 | 88 | 379 | 7.2 | 53 | 6.9 | 9 | 2.2 | 23900 | 8.2 | 15240 | 61 | 0.6 |
| 16-44 | 8042 | -113.9992 | -2-12 | 0-119209 | 64180 | -0.07 | 398 | 18770 | 72 | -115 | 9.9 | 85 | 5.3 | 8 | 1.7 | 29250 | 9.3 | 21380 | 41 | 0.4 |
| 16-44 | 7644 | -113.9853 | -2-12 | 0-119210 | 63620 | -0.07 | 934 | 14820 | 149 | 172 | 8.7 | 72 | 4.1 | 7 | 1.6 | 30820 | 24.0 | 23500 | 64 | 0.7 |
| 16-44 | 7714 | -113.9250 | -2-12 | 0-119211 | 59020 | -0.08 | 401 | 8805 | 57 | 152 | 4.2 | 42 | 5.8 | 8 | 1.4 | 23020 | 10.7 | 19710 | 34 | 0.4 |
| 16-44 | 7831 | -113.9342 | -2-12 | 0-119212 | 51230 | -0.06 | 597 | 4398 | 75 | -102 | 7.5 | 40 | 4.5 | 9 | 1.5 | 23340 | 12.3 | 9198 | 28 | 0.5 |
| 16-44 | 5944 | -113.9725 | -2-12 | 0-119213 | 63650 | -0.07 | 1171 | 33260 | 61 | -110 | 16.0 | 111 | 4.4 | 5 | 1.8 | 38360 | 5.4 | 23660 | 32 | 0.3 |
| 16-44 | 5458 | -113.9606 | -2-12 | 0-119214 | 63160 | -0.09 | 891 | 37190 | 81 | 127 | 16.7 | 113 | 3.1 | 4 | 1.9 | 42930 | 8.4 | 16260 | 31 | 0.3 |
| 16-44 | 5597 | -113.9122 | -2-12 | 0-119215 | 65250 | -0.08 | 1117 | 34300 | 75 | -92 | 20.3 | 159 | 7.5 | 4 | 1.1 | 40750 | 5.4 | 25040 | 38 | 0.2 |
| 16-44 | 5319 | -113.9253 | -2-11 | 0-119216 | 7288 | -0.05 | 441 | 295300 | 9 | 223 | 2.6 | 16 | 4.2 | -1 | 0.3 | 4029 | -0.6 | -1783 | -4 | -0.1 |
| 16-44 | 5206 | -113.9226 | -2-15 | 0-119217 | 54700 | -0.07 | 1035 | 39460 | 65 | 384 | 13.6 | 168 | 5.3 | 4 | 1.5 | 31910 | 6.7 | 27530 | 33 | 0.2 |
| 16-44 | 5183 | -113.9297 | -2-15 | 0-119218 | 58200 | -0.07 | 769 | 50500 | 72 | -97 | 7.9 | 73 | 4.1 | 4 | 1.3 | 26340 | 6.3 | 23300 | 29 | 0.3 |
| 16-44 | 5311 | -113.8822 | -2-15 | 0-119219 | 54510 | -0.06 | 964 | 61130 | 58 | 170 | 12.0 | 132 | 3.9 | 4 | 1.4 | 28890 | 4.2 | 18790 | 30 | 0.3 |
| 16-44 | 6083 | -113.9811 | -2-15 | 0-119220 | 59790 | -0.07 | 546 | 25470 | 81 | -111 | 18.4 | 94 | 5.0 | 2 | 1.8 | 41200 | 7.7 | 15280 | 37 | 0.4 |
| 16-44 | 6286 | -113.9461 | -2-15 | 0-119221 | 67070 | -0.07 | 784 | 10170 | 58 | 212 | 9.6 | 63 | 5.7 | 5 | 1.3 | 28750 | 5.4 | 27310 | 27 | 0.3 |
| 16-44 | 6258 | -113.9417 | -2-12 | 0-119222 | 41820 | -0.06 | 741 | 14970 | 68 | -69 | 9.1 | 156 | 3.0 | 4 | 1.4 | 25030 | 18.0 | 16690 | 27 | 0.4 |
| 16-44 | 6353 | -113.8992 | -2-15 | 0-119223 | 55360 | -0.06 | 697 | 8565 | 63 | 249 | 8.3 | 50 | 5.0 | 5 | 1.3 | 25290 | 12.0 | 22520 | 29 | 0.4 |
| 16-44 | 6247 | -113.8764 | -2-15 | 0-119224 | 49120 | -0.06 | 393 | 7932 | 76 | -94 | 8.6 | 57 | 6.6 | 4 | 1.6 | 26410 | 12.9 | 19790 | 40 | 0.4 |
| 16-44 | 6192 | -113.9106 | -2-12 | 0-119225 | 48780 | -0.07 | 814 | 11950 | 51 | 191 | 7.5 | 90 | 3.6 | 4 | 1.3 | 18390 | 8.0 | 16270 | 29 | 0.3 |
| 16-44 | 6150 | -113.8389 | -2-11 | 0-119226 | 60500 | -0.07 | 752 | 8099 | 78 | -83 | 9.0 | 65 | 4.6 | 5 | 1.5 | 24340 | 10.0 | 24830 | 33 | 0.5 |
| 16-44 | 6108 | -113.8119 | -2-12 | 0-119227 | 41600 | -0.06 | 805 | 11950 | 51 | 130 | 6.9 | 44 | 11.3 | 5 | 1.3 | 17280 | 8.5 | 15730 | 23 | 0.4 |
| 16-44 | 6489 | -113.7653 | -2-12 | 0-119228 | 56120 | -0.06 | 854 | 8378 | 55 | -96 | 12.1 | 68 | 6.0 | 3 | 1.5 | 26220 | 8.2 | 15450 | 28 | 0.3 |
| 16-44 | 6472 | -113.7631 | -2-12 | 0-119229 | 68800 | -0.09 | 1091 | 20570 | 64 | -119 | 26.2 | 101 | 4.8 | 5 | 2.1 | 56660 | 5.5 | 25930 | 27 | 0.3 |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO | |
|---------------------------|----------|-----------|---------|-------------|-----------|---|---|------|------|----|----|------|------|-----|------|------|-------|----|---|---------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAS SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | | Yb |
| 16-44.7844-113.5631-2-15- | 0-110170 | 5746 | 632 | 12420 | 73 | -1 | 8.1 | 9.2 | -244 | -1 | -1 | 12.2 | 3100 | 54 | 4.7 | 87 | 0.287 | | | | |
| 16-44.7764-113.5999-2-12- | 0-110170 | 6003 | 566 | 11240 | 71 | ? | 8.0 | 6.8 | -246 | -1 | -1 | 10.1 | 3112 | 49 | 4.4 | 61 | 0.356 | | | | |
| 16-44.8867-113.5919-2-11- | 0-110190 | 6640 | 563 | 8758 | 90 | -2 | 9.3 | 8.6 | -199 | -1 | -1 | 14.3 | 2816 | 53 | 5.0 | -37 | 0.329 | | | | |
| 16-44.4999-113.9150-2-15- | 0-110191 | 20960 | 940 | 13120 | 81 | -7 | 19.9 | 6.4 | -261 | -1 | -1 | 10.3 | 3637 | 122 | 3.5 | 112 | 0.223 | | | | |
| 16-44.4561-113.9156-2-15- | 0-110192 | 29530 | 202 | 8502 | 67 | -1 | 9.2 | 7.0 | -284 | -1 | -1 | 9.7 | 3210 | 76 | 3.5 | 100 | 0.258 | | | | |
| 16-44.4583-113.9183-2-12- | 0-110192 | 27740 | 671 | 10880 | 72 | -2 | 11.2 | 5.7 | 475 | -1 | -1 | 10.3 | 3766 | 79 | 3.0 | 103 | 0.252 | | | | |
| 16-44.4561-113.9442-2-12- | 0-110194 | 38720 | 596 | 7378 | -27 | 3 | 7.4 | 4.2 | -224 | -1 | -1 | 7.8 | 2138 | 59 | -1.4 | -41 | 0.244 | | | | |
| 16-44.4386-113.8899-2-15- | 0-110195 | 31890 | 896 | 9512 | 63 | -2 | 17.6 | 8.4 | -285 | -1 | -1 | 12.2 | 3826 | 134 | -1.3 | 105 | 0.197 | | | | |
| 16-44.4200-113.8881-2-12- | 0-110196 | 7260 | 552 | 4089 | -29 | -1 | 6.3 | 4.2 | -248 | -1 | -1 | 5.9 | 1961 | 96 | -1.2 | 953 | 0.424 | | | | |
| 16-44.4111-113.9014-2-12- | 0-110197 | 15360 | 1497 | 4727 | -39 | -2 | 7.8 | 4.6 | -323 | -2 | -1 | 6.6 | 2859 | 112 | -1.8 | 881 | 0.439 | | | | |
| 16-44.4136-113.9058-2-12- | 0-110199 | 12940 | 1193 | 5469 | 86 | -2 | 8.0 | 4.4 | -327 | -2 | -1 | 6.3 | 2516 | 107 | 2.9 | 718 | 0.444 | | | | |
| 16-44.4225-113.8826-2-15- | 0-110199 | 25540 | 695 | 5993 | -25 | 4 | 7.4 | 4.3 | -253 | -1 | -1 | 9.0 | 2287 | 60 | 3.1 | -21 | 0.244 | | | | |
| 16-44.4464-113.8228-2-15- | 0-110199 | 15120 | 817 | 10170 | 84 | 3 | 9.1 | 4.9 | -261 | -1 | -1 | 9.0 | 3129 | 68 | 2.4 | 157 | 0.289 | | | | |
| 16-44.4264-113.8147-2-15- | 0-110191 | 15900 | 572 | 8164 | 85 | 3 | 9.3 | 7.3 | -220 | -1 | -1 | 9.6 | 2409 | 58 | 2.7 | 86 | 0.271 | | | | |
| 16-44.4167-113.7614-2-15- | 0-110192 | 9638 | 700 | 8785 | 57 | -1 | 8.2 | 4.1 | -239 | -1 | -1 | 7.3 | 2693 | 62 | 2.5 | 119 | 0.370 | | | | |
| 16-44.4217-113.7503-2-11- | 0-110193 | 54700 | 130 | 3391 | -18 | -1 | 1.3 | 2.4 | 1171 | -1 | -1 | 1.0 | -436 | 25 | -0.8 | 68 | 8.700 | | | | |
| 16-44.4219-113.7858-2-15- | 0-110194 | 12630 | 816 | 10300 | 51 | 2 | 9.3 | 4.6 | -269 | -1 | -1 | 9.1 | 3846 | 76 | -1.5 | 165 | 0.308 | | | | |
| 16-44.4622-113.5291-2-12- | 0-110195 | 6417 | 476 | 9264 | 64 | -2 | 9.6 | 5.7 | -231 | -1 | -1 | 8.0 | 2610 | 69 | 1.7 | 40 | 0.425 | | | | |
| 16-44.7028-113.5886-2-15- | 0-110196 | 9428 | 628 | 7567 | 77 | -2 | 10.0 | 4.9 | -250 | -1 | -1 | 7.0 | 2492 | 69 | -1.3 | -113 | 0.557 | | | | |
| 16-44.7226-113.5121-2-15- | 0-110197 | 4781 | 1897 | 9000 | -29 | -2 | 9.6 | 7.1 | -449 | -1 | -1 | 11.1 | 3553 | 50 | 4.4 | -31 | 0.288 | | | | |
| 16-44.7393-113.5453-2-15- | 0-110198 | -2084 | 3148 | 8647 | 63 | -2 | 7.4 | 4.4 | -629 | -2 | -1 | 8.6 | 2419 | 39 | 2.8 | 100 | 0.291 | | | | |
| 16-44.7367-113.5567-2-15- | 0-110199 | 4497 | 396 | 4132 | -24 | -2 | 8.9 | 6.2 | -260 | -1 | -1 | 7.3 | 1729 | 41 | 2.3 | 61 | 0.616 | | | | |
| 16-44.7056-113.5953-2-12- | 0-110200 | 4891 | 732 | 6359 | 95 | -2 | 10.0 | 7.6 | -250 | -1 | -1 | 11.6 | 2748 | 60 | 3.5 | 116 | 1.129 | | | | |
| 16-44.7067-113.5928-2-12- | 0-110201 | 4041 | 257 | 2462 | -19 | -1 | 5.6 | 3.1 | -157 | -1 | -1 | 5.9 | 2084 | 37 | 2.2 | -27 | 0.390 | | | | |
| 16-44.6764-113.6144-2-12- | 0-110202 | -600 | 58 | 1188 | -13 | -1 | 2.1 | 2.2 | -72 | -1 | -1 | 4.1 | 1377 | 10 | 2.0 | -18 | 0.415 | | | | |
| 16-44.8558-113.9758-2-15- | 0-110204 | 13230 | 1004 | 14230 | 100 | -2 | 16.4 | 9.4 | -298 | -1 | -1 | 13.7 | 2205 | 95 | 4.3 | 94 | 0.204 | | | | |
| 16-44.8328-113.9778-2-12- | 0-110205 | 7538 | 686 | 21240 | 84 | 3 | 9.9 | 6.3 | -268 | -1 | -1 | 12.3 | 3450 | 61 | 3.6 | 134 | 0.390 | | | | |
| 16-44.8092-113.9633-2-12- | 0-110206 | 5828 | 434 | 15380 | 63 | -2 | 7.0 | 6.3 | -261 | -2 | -1 | 7.5 | 2891 | 47 | 3.2 | -36 | 2.267 | | | | |
| 16-44.8106-113.9633-2-12- | 0-110207 | 8659 | 568 | 14640 | 107 | -2 | 10.2 | 7.9 | -300 | -2 | -1 | 10.1 | 3527 | 59 | 4.6 | 66 | 2.624 | | | | |
| 16-44.8275-113.9281-2-12- | 0-110208 | 6417 | 540 | 15700 | 90 | -2 | 8.8 | 19.2 | -316 | -2 | -1 | 13.4 | 3132 | 51 | 3.5 | -30 | 3.687 | | | | |
| 16-44.8042-113.9692-2-12- | 0-110209 | 7260 | 577 | 16060 | 78 | -2 | 10.0 | 6.5 | 534 | -1 | -1 | 10.4 | 4042 | 62 | 2.9 | -109 | 1.135 | | | | |
| 16-44.7644-113.9853-2-12- | 0-110210 | 5221 | 572 | 13930 | 93 | -2 | 8.0 | 8.7 | -248 | 3 | -1 | 18.6 | 4794 | 64 | 5.5 | 46 | 0.339 | | | | |
| 16-44.7714-113.9256-2-12- | 0-110211 | 5479 | 308 | 8424 | 70 | -2 | 7.5 | 7.9 | -224 | -1 | -1 | 10.7 | 3124 | 41 | 4.0 | 98 | 1.664 | | | | |
| 16-44.7831-113.9342-2-12- | 0-110212 | 4533 | 529 | 9565 | 74 | -1 | 7.6 | 6.8 | -249 | -2 | -1 | 9.7 | 1774 | 41 | -1.1 | 42 | 0.423 | | | | |
| 16-44.5944-113.9725-2-12- | 0-110213 | 13640 | 775 | 12430 | 87 | -2 | 13.7 | 5.7 | 437 | -1 | -1 | 9.9 | 3235 | 101 | 2.5 | 130 | 0.263 | | | | |
| 16-44.5458-113.9606-2-12- | 0-110214 | 19820 | 753 | 13460 | 62 | -2 | 16.1 | 7.3 | -289 | -1 | -1 | 12.9 | 4011 | 110 | -1.7 | 90 | 0.194 | | | | |
| 16-44.5597-113.9122-2-12- | 0-110215 | 20650 | 746 | 11150 | 86 | -2 | 15.3 | 6.1 | 481 | -1 | -1 | 12.3 | 3958 | 110 | -2.0 | 132 | 0.211 | | | | |
| 16-44.5319-113.9253-2-11- | 0-110216 | 26870 | 106 | 2126 | -22 | -1 | 1.4 | 0.7 | 1191 | -1 | -1 | 1.2 | -523 | -6 | -0.9 | -26 | 0.750 | | | | |
| 16-44.5206-113.9229-2-15- | 0-110217 | 18700 | 799 | 11066 | 88 | -2 | 13.4 | 5.2 | -254 | -1 | -1 | 9.5 | 3098 | 91 | 2.9 | 130 | 0.242 | | | | |
| 16-44.5183-113.9297-2-15- | 0-110218 | 16570 | 670 | 11250 | 85 | -2 | 8.8 | 4.8 | -279 | -1 | -1 | 9.7 | 3794 | 72 | 3.1 | -39 | 0.258 | | | | |
| 16-44.5311-113.8822-2-15- | 0-110219 | 28590 | 717 | 9923 | 69 | -2 | 11.0 | 4.6 | 452 | -1 | -1 | 9.4 | 3152 | 61 | 3.5 | 117 | 0.255 | | | | |
| 16-44.6083-113.9811-2-15- | 0-110220 | 9901 | 808 | 12680 | 96 | -2 | 14.4 | 8.3 | -278 | -1 | -1 | 10.8 | 2922 | 83 | -1.3 | 134 | 0.231 | | | | |
| 16-44.6286-113.5461-2-15- | 0-110221 | 6687 | 1301 | 11060 | 93 | -2 | 9.8 | 5.0 | -351 | -1 | -1 | 10.6 | 3895 | 62 | 3.3 | 128 | 0.245 | | | | |
| 16-44.6258-113.9417-2-12- | 0-110222 | 7664 | 490 | 8640 | -24 | -1 | 9.5 | 5.2 | -201 | -1 | -1 | 9.7 | 3336 | 63 | 2.9 | -28 | 0.412 | | | | |
| 16-44.6353-113.8992-2-15- | 0-110223 | 7559 | 720 | 11740 | 78 | 2 | 8.4 | 5.3 | -245 | -1 | -1 | 11.9 | 3440 | 49 | 2.9 | 104 | 0.269 | | | | |
| 16-44.6247-113.8764-2-15- | 0-110224 | 4172 | 653 | 10400 | 96 | 3 | 9.0 | 8.5 | -243 | -1 | -1 | 12.2 | 3191 | 51 | 3.8 | 43 | 0.303 | | | | |
| 16-44.6192-113.8106-2-12- | 0-110225 | 10230 | 248 | 9167 | -31 | -2 | 7.8 | 4.4 | -205 | -2 | -1 | 7.5 | 2980 | 56 | 2.9 | 94 | 0.640 | | | | |
| 16-44.6150-113.8389-2-11- | 0-110226 | 6171 | 372 | 10540 | 96 | -2 | 8.0 | 6.1 | -225 | -1 | -1 | 11.6 | 3877 | 61 | 3.7 | -26 | 0.276 | | | | |
| 16-44.6108-113.8119-2-12- | 0-110227 | 4591 | 502 | 6012 | 74 | -1 | 6.2 | 5.5 | -228 | -1 | -1 | 8.6 | 2161 | 40 | 3.3 | 83 | 0.407 | | | | |
| 16-44.6489-113.7653-2-12- | 0-110228 | 5286 | 1090 | 9376 | 79 | -2 | 8.9 | 5.9 | -275 | -1 | -1 | 9.9 | 2933 | 59 | 3.0 | 82 | 0.273 | | | | |
| 16-44.6472-113.7631-2-12- | 0-110229 | 11790 | 1155 | 12680 | 98 | -2 | 21.2 | 7.2 | -303 | -1 | -1 | 12.8 | 5202 | 169 | 3.3 | -95 | 0.227 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | LAB SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------|---|-----|-----|-----|-----|----|-----|-----|-----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | PIPE ID | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.5764-113.8769-2-15- | 0-L10230 | -5 | -5 | -5 | 16 | -20 | -15 | 8 | -10 | -15 | -5 | -5 | 235 | 1 | 12 | | | | | | |
| 16-44.5728-113.8206-2-15- | 0-L10231 | -5 | 5 | -5 | 28 | -20 | -15 | 11 | -10 | -15 | 6 | -5 | 273 | -1 | 40 | | | | | | |
| 16-44.5789-113.7700-2-12- | 0-L10232 | -5 | -5 | -5 | 14 | -20 | 16 | 6 | -10 | -15 | -5 | -5 | 352 | -1 | 35 | | | | | | |
| 16-44.5722-113.7622-2-11- | 0-L10233 | -5 | -5 | -5 | 27 | -20 | -15 | 11 | -10 | -15 | 8 | -5 | 337 | -1 | 35 | | | | | | |
| 16-44.5425-113.8211-2-15- | 0-L10234 | -5 | 6 | -5 | 15 | -20 | -15 | 9 | -10 | -15 | 6 | -5 | 283 | 2 | 29 | | | | | | |
| 16-44.5344-113.8269-2-15- | 0-L10236 | -5 | 9 | -5 | 39 | -20 | -15 | 52 | -10 | 111 | -5 | -5 | 416 | 2 | 30 | | | | | | |
| 16-44.5069-113.7878-2-15- | 0-L10237 | -5 | 14 | -5 | 152 | -20 | -15 | 223 | -10 | 268 | -5 | -5 | 161 | 5 | 104 | | | | | | |
| 16-44.5647-113.8639-2-12- | 0-L10239 | -5 | 6 | -5 | 20 | -20 | 17 | 10 | -10 | 18 | 7 | -5 | 238 | 3 | 28 | | | | | | |
| 16-44.6708-113.9828-2-15- | 0-L10240 | -5 | 10 | -5 | 24 | -20 | 53 | -5 | -10 | -15 | 10 | -5 | 238 | -1 | 32 | | | | | | |
| 16-44.6519-113.9961-2-15- | 0-L10240 | -5 | 5 | -5 | 25 | -20 | 24 | 9 | -10 | -15 | 5 | -5 | 283 | 2 | 27 | | | | | | |
| 16-44.3092-113.4028-2-15- | 0-L10241 | -5 | -5 | -5 | 21 | -20 | 24 | 8 | -10 | -15 | -5 | -5 | 105 | -1 | 16 | | | | | | |
| 16-44.4411-113.4244-2-11- | 0-L10243 | -5 | -5 | -5 | 28 | -20 | -15 | 329 | -10 | -15 | -5 | -5 | 206 | 2 | 32 | | | | | | |
| 16-44.4072-113.4000-2-12- | 0-L10244 | -5 | 6 | -5 | 23 | -20 | 17 | 19 | -10 | -15 | 5 | -5 | 216 | 1 | 136 | | | | | | |
| 16-44.4306-113.5497-2-15- | 0-L10245 | -5 | -5 | -5 | 16 | -20 | -15 | 14 | -10 | 20 | 6 | -5 | 184 | 2 | 27 | | | | | | |
| 16-44.2047-113.4244-2-15- | 0-L10246 | -5 | -5 | -5 | 28 | -20 | 45 | 7 | -10 | -15 | 9 | -5 | 143 | 2 | 20 | | | | | | |
| 16-44.1817-113.4089-2-15- | 0-L10247 | -5 | -5 | -5 | 22 | -20 | 57 | 5 | -10 | -15 | 10 | -5 | 180 | 2 | 13 | | | | | | |
| 16-44.1347-113.3975-2-15- | 0-L10248 | -5 | 6 | -5 | 46 | -20 | 40 | 14 | -10 | -15 | 6 | -5 | 168 | 2 | 24 | | | | | | |
| 16-44.1311-113.3908-2-15- | 0-L10249 | -5 | -5 | -5 | 30 | -20 | 37 | 12 | -10 | -15 | -5 | -5 | 142 | 2 | 25 | | | | | | |
| 16-44.1458-113.4431-2-15- | 0-L10250 | -5 | -5 | -5 | 36 | -20 | 21 | 14 | -10 | 20 | 13 | -5 | 210 | 2 | 31 | | | | | | |
| 16-44.1233-113.3967-2-11- | 0-L10251 | -5 | -5 | -5 | 18 | -20 | -15 | 6 | -10 | -15 | -5 | 6 | 66 | -1 | 6 | | | | | | |
| 16-44.1211-113.4014-2-12- | 0-L10252 | -5 | -5 | -5 | 25 | -20 | 50 | 8 | -10 | -15 | -5 | -5 | 160 | 2 | 19 | | | | | | |
| 16-44.1381-113.4803-2-11- | 0-L10253 | -5 | -5 | -5 | 65 | -20 | 95 | 5 | -10 | 20 | 6 | -5 | 113 | 1 | 19 | | | | | | |
| 16-44.1417-113.4981-2-11- | 0-L10254 | -5 | -5 | 5 | 45 | -20 | 84 | 10 | -10 | -15 | -5 | -5 | 114 | 2 | 16 | | | | | | |
| 16-44.1881-113.5008-2-15- | 0-L10255 | -5 | -5 | -5 | 38 | -20 | 68 | -5 | -10 | -15 | 13 | -5 | 115 | 1 | 13 | | | | | | |
| 16-44.1892-113.5014-2-15- | 0-L10256 | -5 | 5 | -5 | 26 | -20 | 34 | 11 | -10 | -15 | 27 | -5 | 152 | 1 | 20 | | | | | | |
| 16-44.2128-113.6047-2-12- | 0-L10257 | -5 | -5 | -5 | 57 | -20 | 50 | -5 | -10 | -15 | 9 | -5 | 132 | 2 | 25 | | | | | | |
| 16-44.2425-113.6092-2-11- | 0-L10258 | -5 | 6 | -5 | 30 | -20 | 33 | 11 | -10 | -15 | 6 | -5 | 318 | 2 | 24 | | | | | | |
| 16-44.2056-113.6089-2-12- | 0-L10259 | -5 | -5 | -5 | 55 | -20 | 25 | 7 | -10 | -15 | -5 | -5 | 144 | 3 | 29 | | | | | | |
| 16-44.2094-113.5894-2-15- | 0-L10260 | -5 | 10 | -5 | 61 | -20 | 53 | 11 | -10 | 23 | 8 | -5 | 145 | 2 | 32 | | | | | | |
| 16-44.0167-113.2267-2-15- | 0-L10261 | -5 | 9 | -5 | 35 | -20 | 20 | 21 | -10 | -15 | 9 | -5 | 210 | 2 | 34 | | | | | | |
| 16-44.1244-113.7342-2-12- | 0-L10262 | -5 | -5 | -5 | 19 | -20 | -15 | 119 | -10 | 22 | -5 | -5 | 138 | -1 | 14 | | | | | | |
| 16-44.1244-113.7281-2-12- | 0-L10263 | -5 | -5 | -5 | 29 | -20 | 34 | 9 | -10 | -15 | 10 | -5 | 183 | 2 | 12 | | | | | | |
| 16-44.1097-113.7383-2-11- | 0-L10264 | -5 | -5 | -5 | 25 | -20 | 32 | 24 | -10 | -15 | -5 | -5 | 128 | -1 | 25 | | | | | | |
| 16-44.0975-113.7367-2-11- | 0-L10265 | -5 | 6 | -5 | 19 | -20 | 25 | 20 | -10 | -15 | 10 | -5 | 158 | 2 | 21 | | | | | | |
| 16-44.1081-113.7363-2-12- | 0-L10266 | -5 | 7 | -5 | 22 | -20 | 61 | 41 | -10 | -15 | 5 | -5 | 135 | 2 | 21 | | | | | | |
| 16-44.0986-113.4275-2-15- | 0-L10267 | -5 | 6 | -5 | 40 | -20 | 23 | 11 | -10 | -15 | 10 | -5 | 183 | 2 | 29 | | | | | | |
| 16-44.9506-113.8067-2-11- | 0-L10268 | -5 | -5 | -5 | 28 | -20 | -15 | 13 | -10 | -15 | -5 | -5 | 181 | 1 | 8 | | | | | | |
| 16-44.0461-113.7417-2-12- | 0-L10269 | -5 | -5 | -5 | 15 | -20 | 30 | 37 | -10 | -15 | 9 | -5 | 45 | 1 | 6 | | | | | | |
| 16-44.0289-113.7133-2-12- | 0-L10270 | -5 | -5 | 6 | 16 | -20 | 26 | 14 | -10 | 16 | -5 | -5 | 35 | -1 | 4 | | | | | | |
| 16-44.0082-113.7042-2-15- | 0-L10271 | -5 | 8 | -5 | 29 | -20 | 34 | 9 | -10 | 26 | 18 | -5 | 105 | 1 | 18 | | | | | | |
| 16-44.0094-113.7097-2-15- | 0-L10272 | -5 | 8 | -5 | 39 | -20 | 35 | 13 | -10 | 17 | 11 | -5 | 153 | 2 | 25 | | | | | | |
| 16-44.0089-112.8578-2-12- | 0-L10273 | -5 | -5 | -5 | 33 | -20 | 64 | 6 | -10 | 19 | 19 | -5 | 77 | 1 | 9 | | | | | | |
| 16-44.0028-113.7786-2-12- | 0-L10274 | -5 | -5 | -5 | 18 | -20 | 39 | 13 | -10 | -15 | 10 | -5 | 207 | 3 | 30 | | | | | | |
| 16-44.0067-113.7650-2-15- | 0-L10275 | -5 | -5 | -5 | 50 | -20 | 49 | 23 | -10 | 20 | 12 | -5 | 72 | 2 | 23 | | | | | | |
| 16-44.1958-113.2032-2-12- | 0-L10276 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 14 | -5 | 49 | -1 | 4 | | | | | | |
| 16-44.1994-113.2117-2-11- | 0-L10277 | -5 | -5 | -5 | -10 | -20 | 26 | -15 | 6 | -10 | -15 | 5 | -5 | 174 | 1 | 10 | | | | | |
| 16-44.2067-113.2281-2-15- | 0-L10278 | -5 | -5 | -5 | -10 | -20 | -15 | 8 | -10 | -15 | 7 | -5 | 57 | -1 | 6 | | | | | | |
| 16-44.1578-113.2453-2-15- | 0-L10279 | -5 | -5 | -5 | 25 | -20 | -15 | 13 | -10 | -15 | 7 | -5 | 174 | 2 | 18 | | | | | | |
| 16-44.1397-113.2414-2-15- | 0-L10280 | -5 | -5 | -5 | -10 | -20 | -15 | 5 | -10 | -15 | -5 | -5 | 78 | -1 | 6 | | | | | | |
| 16-44.1475-113.2147-2-15- | 0-L10281 | -5 | -5 | -5 | 22 | -20 | -15 | 17 | -10 | -15 | 9 | -5 | 188 | 1 | 24 | | | | | | |
| 16-44.1636-113.1828-2-11- | 0-L10282 | -5 | -5 | -5 | 22 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 54 | -1 | 6 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-----------|--|---|------|--------|-----|------|------|-----|------|----|------|-------|------|-------|----|------|----|--|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE LAB LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu | | | |
| 16-44.5744 | -113.8769 | -2-15- | J-110230 | | | 42120 | -0.06 | 563 | 4694 | 61 | 137 | 5.5 | 44 | 8.4 | 4 | 1.1 | 14570 | 10.8 | 16620 | 27 | 0.4 | | | | |
| 16-44.5728 | -113.8206 | -2-15- | J-110231 | | | 59080 | -0.06 | 713 | 7286 | 70 | 195 | 9.1 | 57 | 6.8 | 6 | 1.4 | 24130 | 10.9 | 20870 | 31 | 0.4 | | | | |
| 16-44.5730 | -113.7700 | -2-17- | J-110232 | | | 47410 | -0.06 | 377 | 4075 | 74 | -95 | 7.9 | 57 | 6.9 | 4 | 1.7 | 25400 | 16.4 | 15520 | 35 | 0.5 | | | | |
| 16-44.5722 | -113.7622 | -2-11- | J-110233 | | | 61230 | -0.06 | 703 | 4926 | 79 | 209 | 8.5 | 54 | 4.6 | 7 | 1.5 | 23540 | 12.9 | 23830 | 36 | 0.4 | | | | |
| 16-44.5425 | -113.8211 | -2-15- | J-110234 | | | 61580 | -0.07 | 1009 | 9847 | 84 | 196 | 7.9 | 60 | 6.2 | 5 | 1.5 | 28490 | 13.5 | 24640 | 31 | 0.5 | | | | |
| 16-44.5344 | -113.8269 | -2-15- | J-110236 | | | 40330 | -0.06 | 378 | 5129 | 87 | -82 | 6.6 | 68 | 9.3 | 4 | 1.7 | 26170 | 22.8 | 12480 | 37 | 0.6 | | | | |
| 16-44.5069 | -113.7878 | -2-15- | J-110237 | | | 56260 | -0.08 | 339 | 7196 | 51 | -103 | 6.8 | 49 | 24.6 | 5 | 1.3 | 20670 | 5.3 | 23470 | 29 | 0.4 | | | | |
| 16-44.5647 | -113.8639 | -2-12- | J-110238 | | | 58020 | -0.08 | 766 | 7334 | 81 | 169 | 7.5 | 62 | 6.8 | 5 | 1.4 | 24540 | 11.3 | 18830 | 34 | 0.5 | | | | |
| 16-44.6708 | -113.9828 | -2-15- | J-110239 | | | 68050 | -0.08 | 332 | 33970 | 82 | 190 | 23.3 | 340 | 3.8 | 5 | 2.0 | 53060 | 9.5 | 20850 | 34 | 0.4 | | | | |
| 16-44.6519 | -113.9961 | -2-15- | J-110240 | | | 58730 | -0.06 | 496 | 25200 | 100 | -111 | 14.3 | 150 | 3.7 | 3 | 2.1 | 39850 | 13.6 | 16510 | 42 | 0.4 | | | | |
| 16-44.3092 | -113.4028 | -2-15- | J-110241 | | | 41370 | -0.06 | 538 | 88140 | 50 | 180 | 9.4 | 50 | 2.8 | 4 | 1.2 | 25860 | 3.7 | 9580 | 24 | 0.2 | | | | |
| 16-44.4411 | -113.4244 | -2-11- | J-110242 | | | 63210 | -0.09 | 552 | 11820 | 97 | -73 | 10.3 | 72 | 5.3 | 5 | 1.4 | 31290 | 10.2 | 17440 | 35 | 0.5 | | | | |
| 16-44.4072 | -113.4000 | -2-12- | J-110244 | | | 68210 | -0.07 | 355 | 8635 | 58 | -95 | 5.5 | 73 | 5.8 | 4 | 1.3 | 29420 | 8.3 | 20260 | 33 | 0.4 | | | | |
| 16-44.4206 | -113.5497 | -2-15- | J-110245 | | | 48160 | -0.06 | 468 | 9122 | 75 | -108 | 13.4 | 46 | 7.8 | 2 | 1.6 | 23160 | 8.5 | 19160 | 31 | 0.4 | | | | |
| 16-44.2047 | -112.4244 | -2-15- | J-110246 | | | 47840 | -0.06 | 667 | 77600 | 47 | -88 | 9.2 | 129 | 3.6 | 4 | 1.2 | 24250 | 5.3 | 17400 | 29 | 0.2 | | | | |
| 16-44.1817 | -113.4089 | -2-15- | J-110247 | | | 36230 | -0.08 | 713 | 107800 | 74 | -70 | 13.5 | 655 | 2.0 | 4 | 1.4 | 34030 | 7.5 | 12040 | 32 | 0.4 | | | | |
| 16-44.1347 | -113.3879 | -2-15- | J-110248 | | | 61900 | -0.08 | 1226 | 35180 | 69 | -98 | 19.6 | 205 | 5.1 | 5 | 1.1 | 40860 | 7.3 | 25390 | 33 | 0.3 | | | | |
| 16-44.1311 | -113.3008 | -2-15- | J-110249 | | | 49410 | -0.07 | 715 | 48470 | 69 | -104 | 16.2 | 184 | 5.9 | 3 | 1.8 | 36380 | 5.9 | 19290 | 33 | 0.2 | | | | |
| 16-44.1458 | -113.4421 | -2-15- | J-110250 | | | 62030 | -0.07 | 768 | 24170 | 69 | -110 | 11.7 | 111 | 5.2 | 5 | 1.0 | 31280 | 8.1 | 20480 | 31 | 0.4 | | | | |
| 16-44.1232 | -113.3067 | -2-11- | J-110251 | | | 24510 | -0.09 | 589 | 88870 | 28 | -101 | 4.6 | 119 | -2.2 | 2 | -0.4 | 13200 | 2.5 | 8220 | -6 | -0.1 | | | | |
| 16-44.1211 | -113.4014 | -2-12- | J-110252 | | | 52120 | -0.08 | 1197 | 60460 | 65 | -91 | 23.7 | 740 | 3.1 | 4 | 2.0 | 43170 | 7.7 | 19390 | 35 | 0.3 | | | | |
| 16-44.1281 | -112.4803 | -2-11- | J-110253 | | | 41810 | -0.09 | 743 | 28240 | 42 | -119 | 22.7 | 459 | 4.8 | 2 | 1.5 | 38060 | 3.9 | 11940 | 24 | -0.1 | | | | |
| 16-44.1417 | -113.4981 | -2-11- | J-110254 | | | 49130 | -0.09 | 878 | 34620 | 42 | -121 | 21.0 | 346 | 4.0 | 4 | 1.3 | 32860 | 4.4 | 19350 | 19 | 0.2 | | | | |
| 16-44.1881 | -113.5008 | -2-15- | J-110255 | | | 36860 | -0.07 | 699 | 98410 | 60 | -61 | 8.8 | 247 | 3.6 | 5 | 1.4 | 23900 | 3.7 | 14540 | 37 | 0.3 | | | | |
| 16-44.1892 | -113.5014 | -2-15- | J-110256 | | | 46720 | -0.06 | 590 | 64900 | 49 | -78 | 9.1 | 93 | 4.7 | 4 | 1.3 | 25400 | 5.8 | 13850 | 26 | 0.2 | | | | |
| 16-44.2128 | -113.6047 | -2-12- | J-110257 | | | 54300 | -0.09 | 706 | 24320 | 70 | -119 | 20.4 | 163 | 6.0 | 3 | 1.7 | 42650 | 5.5 | 15800 | 32 | 0.3 | | | | |
| 16-44.2425 | -113.6092 | -2-11- | J-110258 | | | 51860 | -0.08 | 1012 | 34860 | 73 | -98 | 15.7 | 451 | 3.1 | 5 | 1.1 | 36980 | 14.6 | 20830 | 38 | 0.4 | | | | |
| 16-44.2056 | -113.6089 | -2-12- | J-110259 | | | 58910 | -0.10 | 1016 | 32210 | 70 | 173 | 16.7 | 244 | 4.6 | 4 | 1.7 | 37110 | 5.8 | 23540 | 29 | 0.3 | | | | |
| 16-44.2094 | -113.5894 | -2-15- | J-110260 | | | 60820 | -0.09 | 954 | 24550 | 68 | 237 | 20.6 | 168 | 6.5 | 5 | 1.1 | 40360 | 6.3 | 19870 | 32 | 0.3 | | | | |
| 16-44.0167 | -113.2267 | -2-15- | J-110261 | | | 50810 | -0.06 | 455 | 17290 | 74 | -95 | 8.4 | 87 | 5.4 | 3 | 1.8 | 27030 | 9.6 | 16370 | 34 | 0.3 | | | | |
| 16-44.1244 | -113.7342 | -2-12- | J-110262 | | | 22170 | -0.06 | 532 | 38620 | 40 | 162 | 8.7 | 55 | 3.8 | 2 | 0.8 | 17480 | 6.0 | 14600 | 18 | 0.3 | | | | |
| 16-44.1244 | -113.7281 | -2-12- | J-110263 | | | 42750 | -0.06 | 780 | 34510 | 72 | -55 | 8.1 | 134 | 3.2 | 4 | 1.5 | 20330 | 6.7 | 14310 | 33 | 0.3 | | | | |
| 16-44.1097 | -113.7283 | -2-11- | J-110264 | | | 48880 | -0.09 | 599 | 19260 | 36 | 152 | 9.6 | 141 | 7.4 | 3 | 1.1 | 25660 | 4.7 | 13230 | 24 | 0.2 | | | | |
| 16-44.0075 | -113.7367 | -2-11- | J-110265 | | | 41590 | -0.06 | 375 | 19040 | 63 | -75 | 12.4 | 76 | 4.7 | 5 | 1.2 | 30490 | 5.9 | 17080 | 27 | 0.3 | | | | |
| 16-44.1081 | -113.7283 | -2-12- | J-110266 | | | 43540 | -0.07 | 446 | 38190 | 40 | 152 | 10.9 | 230 | 4.3 | 3 | 0.9 | 25580 | 5.5 | 13070 | 18 | 0.2 | | | | |
| 16-44.0986 | -113.4275 | -2-15- | J-110267 | | | 61700 | -0.08 | 1046 | 28590 | 36 | 265 | 14.5 | 152 | 5.2 | 5 | 1.9 | 37650 | 7.3 | 24370 | 32 | 0.4 | | | | |
| 16-44.9506 | -113.8067 | -2-11- | J-110268 | | | 29470 | -0.08 | 575 | 11370 | 55 | -92 | 6.7 | 40 | 3.9 | 4 | 0.9 | 17610 | 7.0 | 15000 | 26 | 0.3 | | | | |
| 16-44.0461 | -112.7417 | -2-12- | J-110269 | | | 16610 | -0.05 | 791 | 159700 | 21 | 173 | 3.9 | 48 | 3.1 | 2 | 1.7 | 12920 | 3.2 | 7545 | 17 | -0.1 | | | | |
| 16-44.0289 | -113.7133 | -2-12- | J-110270 | | | 12780 | -0.04 | 586 | 277900 | 16 | -63 | 4.2 | 111 | 1.6 | 2 | 0.5 | 9774 | 1.0 | 3594 | 14 | 0.1 | | | | |
| 16-44.0083 | -113.7042 | -2-15- | J-110271 | | | 37180 | -0.06 | 734 | 132700 | 46 | 145 | 7.1 | 76 | 4.6 | 3 | 1.1 | 18670 | 3.8 | 13370 | 23 | 0.2 | | | | |
| 16-44.0094 | -112.7097 | -2-15- | J-110272 | | | 42570 | -0.06 | 763 | 87990 | 55 | -72 | 8.0 | 90 | 4.4 | 4 | 1.2 | 22680 | 6.5 | 13470 | 32 | 0.3 | | | | |
| 16-44.0080 | -112.6578 | -2-12- | J-110273 | | | 24790 | -0.05 | 4370 | 118500 | 56 | 107 | 5.4 | 95 | 3.4 | 2 | 1.7 | 17920 | 4.5 | 7844 | 33 | 0.2 | | | | |
| 16-44.0028 | -113.7786 | -2-12- | J-110274 | | | 59330 | -0.06 | 1174 | 18540 | 90 | -87 | 10.9 | 103 | 6.4 | 5 | 1.8 | 27340 | 8.5 | 21740 | 50 | 0.4 | | | | |
| 16-44.0067 | -113.7650 | -2-15- | J-110275 | | | 37370 | -0.07 | 1218 | 128000 | 42 | -70 | 6.9 | 78 | 4.3 | 3 | 1.0 | 19230 | 2.9 | 14760 | 23 | 0.2 | | | | |
| 16-44.1958 | -113.2033 | -2-12- | J-110276 | | | 5774 | -0.03 | -72 | 210700 | 10 | 330 | 2.8 | 17 | 1.1 | 1 | 0.2 | 7163 | 2.2 | 2249 | 6 | 0.1 | | | | |
| 16-44.1994 | -113.2117 | -2-11- | J-110277 | | | 31370 | -0.05 | 577 | 4207 | 45 | -77 | 2.7 | 43 | 5.6 | 2 | 1.5 | 12830 | 8.6 | 9324 | 26 | 0.3 | | | | |
| 16-44.2067 | -113.2281 | -2-15- | J-110278 | | | 14100 | -0.03 | -92 | 191400 | 20 | 375 | 5.1 | 20 | 2.1 | -1 | 0.2 | 10370 | 2.3 | 5391 | 11 | 0.1 | | | | |
| 16-44.1578 | -113.2453 | -2-15- | J-110279 | | | 45250 | -0.07 | 849 | 49660 | 64 | 130 | 6.8 | 78 | 4.2 | 4 | 1.3 | 22110 | 6.9 | 16400 | 29 | 0.4 | | | | |
| 16-44.1397 | -113.2414 | -2-15- | J-110280 | | | 11290 | -0.03 | 153 | 173300 | 15 | 241 | 2.5 | 22 | 1.5 | 1 | 0.3 | 7520 | 2.7 | 4399 | 9 | 0.0 | | | | |
| 16-44.1475 | -113.2147 | -2-15- | J-110281 | | | 45610 | -0.05 | 650 | 55000 | 71 | 153 | 7.8 | 62 | 5.3 | 4 | 1.4 | 25190 | 9.2 | 17500 | 29 | 0.4 | | | | |
| 16-44.1636 | -113.1828 | -2-11- | J-110282 | | | 19510 | -0.05 | 1014 | 59970 | 19 | -71 | 3.0 | 21 | 2.6 | 2 | 0.3 | 9906 | 2.0 | 8423 | -4 | 0.1 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO | |
|---------------------------|----------|-----------|---------|-------------|-----------|---|---|------|------|----|----|------|------|-----|------|-----|-------|----|---|---------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | | Yb |
| 16-44.5764-113.8769-2-15- | 0-110230 | 4765 | 232 | 6000 | 62 | -1 | 6.0 | 5.6 | -162 | -1 | -1 | 9.2 | 2287 | 38 | 3.0 | -20 | 0.581 | | | | |
| 16-44.5728-113.8206-2-15- | 0-110231 | 5438 | 684 | 13390 | 85 | 2 | 8.4 | 5.7 | -243 | -1 | -1 | 11.8 | 3052 | 56 | 3.4 | 105 | 0.297 | | | | |
| 16-44.5789-113.7700-2-12- | 0-110232 | 5015 | 396 | 11810 | 82 | -1 | 8.3 | 7.9 | -209 | 1 | -1 | 11.0 | 1959 | 41 | 4.2 | -52 | 0.836 | | | | |
| 16-44.5722-113.7622-2-11- | 0-110233 | 5202 | 682 | 12410 | 86 | 2 | 8.0 | 7.1 | -258 | -1 | -1 | 11.5 | 2303 | 54 | 4.8 | 50 | 0.330 | | | | |
| 16-44.5425-113.8211-2-15- | 0-110234 | 6722 | 601 | 14630 | 88 | 2 | 8.9 | 6.4 | -289 | -1 | -1 | 13.1 | 3411 | 59 | 3.7 | -24 | 0.252 | | | | |
| 16-44.5344-113.8269-2-15- | 0-110235 | 5444 | 350 | 9073 | 97 | 12 | 7.3 | 9.3 | -192 | -1 | -1 | 13.0 | 2503 | 31 | 4.6 | 154 | 0.469 | | | | |
| 16-44.5069-113.7878-2-15- | 0-110237 | 8425 | 992 | 8295 | 107 | 33 | 7.4 | 5.9 | -301 | -2 | -1 | 10.9 | 2731 | 43 | 2.5 | 269 | 1.321 | | | | |
| 16-44.5647-113.8392-2-12- | 0-110238 | 6093 | 515 | 12730 | 71 | -2 | 8.2 | 5.7 | -276 | -1 | -1 | 11.7 | 2752 | 52 | 3.5 | 99 | 0.581 | | | | |
| 16-44.6708-113.9828-2-15- | 0-110239 | 22330 | 982 | 14870 | 89 | -2 | 21.5 | 7.2 | -294 | -1 | -1 | 10.7 | 4610 | 126 | 3.5 | 162 | 0.243 | | | | |
| 16-44.6519-113.9961-2-15- | 0-110240 | 12180 | 779 | 16020 | 67 | -2 | 15.2 | 9.7 | -260 | 1 | -1 | 12.7 | 2600 | 66 | 3.6 | 125 | 0.260 | | | | |
| 16-44.3997-113.4282-2-15- | 0-110241 | 41500 | 666 | 7663 | 72 | -1 | 9.8 | 4.0 | -252 | -1 | -1 | 7.5 | 2139 | 61 | 2.2 | -65 | 0.267 | | | | |
| 16-44.4411-113.4244-2-11- | 0-110242 | 9672 | 880 | 5286 | 69 | 5 | 9.6 | 7.5 | -308 | -1 | -1 | 11.8 | 3507 | 73 | 3.2 | 454 | 0.263 | | | | |
| 16-44.4072-113.4000-2-12- | 0-110244 | 8391 | 773 | 11180 | 95 | -2 | 8.3 | 4.6 | -287 | -1 | -1 | 11.7 | 4250 | 76 | 2.9 | 157 | 0.308 | | | | |
| 16-44.4306-113.5497-2-15- | 0-110245 | 4604 | 1221 | 6256 | 95 | -1 | 7.6 | 7.2 | -346 | -1 | -1 | 11.4 | 1000 | 45 | 3.4 | 70 | 0.246 | | | | |
| 16-44.2047-113.4244-2-15- | 0-110246 | 13980 | 568 | 7016 | -26 | -1 | 8.9 | 4.4 | 242 | -1 | -1 | 7.4 | 2805 | 96 | 2.6 | 144 | 0.392 | | | | |
| 16-44.1817-113.4089-2-15- | 0-110247 | 21830 | 606 | 5338 | -28 | -2 | 14.9 | 6.6 | -221 | -1 | -1 | 6.8 | 3250 | 153 | 2.8 | -75 | 0.500 | | | | |
| 16-44.1347-113.2675-2-15- | 0-110248 | 16470 | 611 | 13220 | 94 | -2 | 15.2 | 5.9 | 458 | -1 | -1 | 11.9 | 3558 | 104 | 3.4 | 122 | 0.235 | | | | |
| 16-44.1311-113.3008-2-15- | 0-110249 | 13410 | 562 | 10780 | 110 | -2 | 13.9 | 6.3 | -247 | -1 | -1 | 10.2 | 2407 | 85 | -1.6 | 104 | 0.265 | | | | |
| 16-44.1458-113.4431-2-15- | 0-110250 | 10950 | 926 | 10960 | 87 | -2 | 10.6 | 6.1 | -280 | -1 | -1 | 12.0 | 3066 | 74 | 3.1 | 144 | 0.242 | | | | |
| 16-44.1233-113.2667-2-11- | 0-110251 | 14130 | 301 | 5043 | -32 | -2 | 4.8 | 2.5 | -287 | -2 | -1 | 4.3 | 1496 | 49 | -1.8 | 98 | 1.186 | | | | |
| 16-44.1211-113.4014-2-12- | 0-110252 | 28720 | 797 | 13400 | 80 | -2 | 24.7 | 6.1 | 419 | -1 | -1 | 8.3 | 4205 | 126 | 2.4 | -41 | 0.313 | | | | |
| 16-44.1381-113.4803-2-11- | 0-110253 | 14770 | 629 | 10780 | 62 | -2 | 15.7 | 5.0 | -296 | -2 | -1 | 5.8 | 2055 | 129 | 2.7 | 98 | 0.862 | | | | |
| 16-44.1417-113.4981-2-11- | 0-110254 | 20100 | 1063 | 11480 | -36 | -2 | 12.6 | 3.5 | 611 | -1 | -1 | 5.9 | 2274 | 103 | -1.8 | -62 | 0.458 | | | | |
| 16-44.1881-113.5008-2-15- | 0-110255 | 15010 | 390 | 2856 | 58 | -2 | 10.8 | 6.0 | -190 | -1 | -1 | 6.5 | 2247 | 139 | 2.7 | -97 | 0.585 | | | | |
| 16-44.1892-113.5014-2-15- | 0-110256 | 24520 | 722 | 7513 | 68 | 1 | 9.0 | 4.3 | -252 | -1 | -1 | 7.8 | 2798 | 70 | 1.9 | 144 | 0.308 | | | | |
| 16-44.2128-113.6047-2-12- | 0-110257 | 14840 | 806 | 11870 | 100 | -2 | 15.6 | 8.0 | -305 | -2 | -1 | 9.4 | 2816 | 84 | 3.6 | 100 | 0.309 | | | | |
| 16-44.2425-113.6092-2-11- | 0-110258 | 19940 | 764 | 10910 | 88 | -2 | 17.7 | 6.9 | -242 | -1 | -1 | 11.0 | 4356 | 106 | 3.1 | 94 | 0.291 | | | | |
| 16-44.2056-113.6089-2-12- | 0-110259 | 17600 | 700 | 12440 | 88 | -2 | 15.7 | 6.9 | -304 | -1 | -1 | 11.2 | 3396 | 96 | 3.3 | -42 | 0.212 | | | | |
| 16-44.2094-113.5894-2-15- | 0-110260 | 15140 | 915 | 12880 | 123 | -2 | 14.5 | 6.4 | -326 | -1 | -1 | 9.2 | 3613 | 89 | -2.2 | 169 | 0.315 | | | | |
| 16-44.0167-113.2267-2-15- | 0-110261 | 10820 | 777 | 9021 | 76 | -1 | 9.8 | 7.7 | -256 | -1 | -1 | 11.1 | 3387 | 69 | 3.6 | 149 | 0.261 | | | | |
| 16-44.1244-113.7281-2-12- | 0-110262 | 42180 | 628 | 2371 | -25 | -1 | 5.9 | 3.2 | -245 | -1 | -1 | 6.3 | 1766 | 54 | -1.1 | 311 | 0.397 | | | | |
| 16-44.1244-113.7281-2-12- | 0-110262 | 14320 | 421 | 3711 | 67 | -2 | 8.0 | 5.1 | -197 | -1 | -1 | 8.7 | 2880 | 89 | 3.2 | 118 | 0.391 | | | | |
| 16-44.1097-113.7383-2-11- | 0-110264 | 10140 | 497 | 6662 | -36 | -2 | 8.4 | 3.5 | -294 | -2 | -1 | 7.4 | 3279 | 76 | -1.9 | 147 | 0.311 | | | | |
| 16-44.0975-113.7367-2-11- | 0-110265 | 8867 | 922 | 3627 | 65 | -1 | 8.5 | 6.7 | -273 | -1 | -1 | 9.2 | 2556 | 61 | -1.2 | 154 | 0.304 | | | | |
| 16-44.1081-113.7382-2-12- | 0-110266 | 25840 | 470 | 2642 | -30 | -2 | 8.8 | 4.0 | -234 | -1 | -1 | 6.7 | 2281 | 71 | -1.4 | 106 | 0.328 | | | | |
| 16-44.0986-113.4275-2-15- | 0-110267 | 12850 | 855 | 12840 | 105 | -2 | 15.5 | 7.2 | -273 | -1 | -1 | 12.1 | 3827 | 91 | 3.2 | | 0.240 | | | | |
| 16-44.9506-113.8067-2-11- | 0-110268 | 4506 | 545 | 6882 | -30 | -2 | 5.5 | 3.8 | -309 | -2 | -1 | 7.8 | 2801 | 31 | 1.9 | 215 | 0.332 | | | | |
| 16-44.0461-113.7417-2-12- | 0-110269 | 56760 | 291 | 566 | 38 | -1 | 3.4 | 2.6 | -188 | -1 | | 3.2 | 749 | 65 | -0.9 | 126 | 0.687 | | | | |
| 16-44.0289-113.7123-2-12- | 0-110270 | 16760 | 215 | 1208 | -16 | -1 | 3.7 | 1.8 | 505 | -1 | | 2.0 | 771 | 46 | -0.7 | 43 | 1.750 | | | | |
| 16-44.6083-113.7042-2-15- | 0-110271 | 35930 | 504 | 3474 | -23 | -1 | 6.3 | 3.9 | -232 | -1 | -1 | 7.0 | 2186 | 85 | -1.6 | 154 | 0.457 | | | | |
| 16-44.0094-113.7097-2-15- | 0-110272 | 20710 | 517 | 7034 | -23 | -1 | 7.2 | 4.6 | -218 | -1 | -1 | 9.0 | 2559 | 94 | 2.4 | 154 | 0.356 | | | | |
| 16-44.0080-113.6578-2-12- | 0-110273 | 27860 | 368 | 847 | 53 | -1 | 6.0 | 5.2 | -165 | -1 | -1 | 5.3 | 1395 | 110 | 2.2 | -98 | 0.660 | | | | |
| 16-44.0028-113.7786-2-12- | 0-110274 | 10660 | 324 | 11960 | 73 | -2 | 9.5 | 6.9 | 317 | -1 | -1 | 16.2 | 3253 | 123 | 3.4 | 166 | 0.358 | | | | |
| 16-44.0047-113.7650-2-15- | 0-110275 | 33070 | 543 | 3377 | -25 | -2 | 6.3 | 3.5 | -244 | -1 | -1 | 7.5 | 2089 | 87 | -1.2 | 172 | 0.413 | | | | |
| 16-44.1958-113.2033-2-12- | 0-110276 | 82400 | 194 | 514 | -12 | -1 | 1.4 | -0.8 | -141 | -1 | | 1.8 | 457 | 16 | -0.5 | 59 | 0.611 | | | | |
| 16-44.1994-113.2117-2-11- | 0-110277 | 4157 | 105 | 6947 | 59 | -1 | 4.2 | 6.0 | -156 | -1 | -1 | 7.2 | 1777 | 26 | 3.0 | -23 | 1.319 | | | | |
| 16-44.2067-113.2281-2-15- | 0-110278 | 89080 | 416 | 1484 | -16 | -1 | 2.6 | 1.7 | -165 | -1 | | 2.6 | 782 | 20 | -0.7 | 60 | 0.346 | | | | |
| 16-44.1578-113.2453-2-15- | 0-110279 | 19470 | 692 | 7818 | -25 | -2 | 7.5 | 4.6 | -255 | -1 | -1 | 10.2 | 2394 | 61 | 3.1 | -98 | 0.235 | | | | |
| 16-44.1397-113.2414-2-15- | 0-110280 | 75100 | 197 | 1265 | -14 | -1 | 2.1 | 1.2 | -138 | | | 2.5 | -318 | 16 | -0.6 | 72 | 0.480 | | | | |
| 16-44.1475-113.2147-2-15- | 0-110281 | 27760 | 699 | 7712 | 65 | -1 | 8.2 | 7.0 | -261 | -1 | -1 | 9.5 | 3100 | 60 | 3.0 | 103 | 0.253 | | | | |
| 16-44.1636-113.1828-2-11- | 0-110282 | 16670 | 631 | 2798 | -23 | -1 | 3.1 | 1.8 | -283 | -1 | -1 | 3.2 | -662 | 24 | -1.1 | 88 | 0.375 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | LAST SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | |
|--------------------------|----------------------|-----------|---------|-------------|----------|--|--------------|------|-----------------|-------------------|----------|----------------------|----|------------------------|-----------------------|-----------|------------|---------------|----------------|-----------|-------------|-------------|-----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REF/CATE | LAST SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | LUMINESCENCE (umho/cm) | SCINTILMETER (dL/ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER ROW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RIFFLE | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44.1647-113.1792-2-12 | 0-110287-07/03/79-15 | 28-7.4- | - | F.4- | 140- | 5-4-1-2-1-3-3-1-2-1-3-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.30 | |
| 16-44.1325-113.1872-2-12 | 0-110284-07/03/79-15 | 27-11.2- | - | 7.6- | 160- | 8-4-1-3-1-3-2-1-2-4-3-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.90 | | |
| 16-44.1251-113.1844-2-15 | 0-110285-07/03/79-15 | 28- | - | - | - | 3-4-1-5-1-1-2-3-3-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | |
| 16-44.1361-113.2017-2-11 | 0-110286-07/03/79-16 | 28-12.6- | - | E.0- | 378- | 5-4-1-5-6-2-3-1-4-3-3-1-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.70 | | | |
| 16-44.1219-113.2325-2-15 | 0-110287-07/03/79-16 | 28- | - | - | - | 3-4-1-5-1-1-2-4-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.00 | | | |
| 16-44.1106-113.1803-2-11 | 0-110288-07/03/79-16 | 28-8.3- | - | 8.0- | 197- | 5-1-7-3-2-3-3-1-4-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 16-44.1019-113.1897-2-12 | 0-110289-07/03/79-17 | 28-13.2- | - | 8.5- | 213- | 3-1-7-3-1-3-3-1-2-4-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | | |
| 16-44.0922-113.1578-2-12 | 0-110290-07/04/79-16 | 24-9.7- | - | 8.8- | 135- | 8-2-1-5-8-2-3-1-2-1-2-5-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.90 | | | |
| 16-44.0953-113.7528-2-12 | 0-110291-07/06/79-12 | 29-11.3- | - | 7.9- | 44- | 11-1-6-2-6-3-3-1-2-1-3-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.80 | | | |
| 16-44.0971-113.7506-2-11 | 0-110292-07/06/79-13 | 29-14.5- | - | 7.7- | 210- | 12-1-6-5-8-2-3-1-2-3-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.50 | | | |
| 16-44.0971-113.7608-2-11 | 0-110293-07/06/79-13 | 29-9.4- | - | 7.7- | 78- | 10-1-6-5-8-2-2-1-1-3-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 16-44.1106-113.8067-2-11 | 0-110294-07/06/79-14 | 27-10.1- | - | 7.5- | 83- | 14-1-6-5-8-2-1-4-3-3-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 16-44.1361-113.5642-2-11 | 0-110295-07/04/79-18 | 20-14.1- | - | 7.8- | 210- | 4-2-6-5-2-2-3-4-1-1-2-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 16-44.0678-113.6514-2-12 | 0-110296-06/28/79-20 | 23-11.2- | - | 7.8- | 10- | 9-2-6-2-6-2-3-1-1-2-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 26.30 | | | |
| 16-44.0953-113.6539-2-12 | 0-110297-06/28/79-20 | 25-12.1- | - | 8.2- | 22- | 8-2-6-1-6-3-3-1-2-2-4-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.90 | | | |
| 16-44.0983-113.6642-2-12 | 0-110298-06/28/79-19 | 25-18.3- | - | 8.8- | 357- | 13-2-6-2-6-3-3-1-1-2-3-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | |
| 16-44.0989-113.6656-2-12 | 0-110299-06/28/79-19 | 26-13.3- | - | 8.2- | 116- | 24-1-6-3-6-3-3-1-1-2-2-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.40 | | | |
| 16-44.0933-113.6589-2-15 | 0-110300-06/28/79-19 | 26- | - | - | - | 8-2-6-3-6-1-1-3-2-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.20 | | | |
| 16-44.0933-113.6617-2-12 | 0-110301-06/28/79-18 | 26-16.6- | - | 8.5- | 217- | 10-2-6-2-6-2-3-1-1-3-2-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | | |
| 16-44.0742-113.9736-2-15 | 0-110302-06/28/79-18 | 26- | - | - | - | 17-2-6-4-6-1-1-3-2-4-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.90 | | | |
| 16-44.0903-113.9822-2-12 | 0-110303-06/28/79-17 | 26-11.5- | - | 8.7- | 220- | 9-2-6-2-6-3-3-1-2-2-2-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44.0797-113.6792-2-12 | 0-110304-06/28/79-16 | 27-11.2- | - | 8.3- | 207- | 3-2-6-2-6-3-3-1-1-2-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44.0886-113.6742-2-12 | 0-110305-06/28/79-16 | 27-16.2- | - | 8.2- | 46- | 3-2-6-2-6-3-3-1-1-2-2-2-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.00 | | | |
| 16-44.0967-113.6611-2-12 | 0-110306-06/28/79-15 | 27-22.5- | - | 8.6- | 257- | 11-2-6-2-6-3-3-1-1-2-3-2-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | | |
| 16-44.0872-113.6686-2-12 | 0-110307-06/28/79-15 | 26-10.9- | - | 8.2- | 50- | 7-2-6-3-6-3-3-1-1-2-3-2-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.30 | | | |
| 16-44.0875-113.619-2-12 | 0-110308-06/28/79-14 | 26-9.3- | - | 8.1- | 24- | 13-2-6-3-7-3-3-1-2-2-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 14.60 | | | |
| 16-44.0833-113.9342-2-12 | 0-110309-06/28/79-14 | 26-8.9- | - | 8.2- | 9- | 8-2-6-2-6-3-2-1-1-2-3-3-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8.80 | | | |
| 16-44.0978-113.6525-2-12 | 0-110310-06/29/79-12 | 24-13.3- | - | 8.1- | 318- | 2-1-1-5-8-2-3-2-1-2-2-2-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | |
| 16-44.0978-113.6556-2-12 | 0-110311-06/29/79-12 | 24-19.8- | - | 8.7- | 308- | 10-4-1-5-8-2-2-2-1-4-2-4-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 16-44.0900-113.7200-2-99 | 0-110312-06/29/79-16 | 20- | - | - | - | 12-3-8-5-6-1-1-3-5-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | |
| 16-44.0956-113.7114-2-99 | 0-110313-06/29/79-19 | 25- | - | - | - | 15-3-8-1-6-1-1-4-2-5-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | |
| 16-44.0694-113.7119-2-15 | 0-110314-06/29/79-14 | 25- | - | - | - | 2-1-8-5-8-1-1-2-1-2-5-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.90 | | |
| 16-44.0975-113.6858-2-12 | 0-110316-06/29/79-18 | 20-12.9- | - | 8.3- | 125- | 5-1-1-3-1-3-3-1-1-4-3-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 16-44.0925-113.6486-2-12 | 0-110317-06/29/79-19 | 20-14.8- | - | 8.2- | 277- | 7-1-1-5-6-3-2-1-1-4-3-2-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | | |
| 16-44.4483-113.5931-2-12 | 0-110319-07/01/79-12 | 20-5.6- | - | 7.0- | 28- | 10-2-1-2-7-4-3-1-2-2-2-5-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.50 | | | |
| 16-44.4779-113.5847-2-12 | 0-110319-07/01/79-14 | 24-6.3- | - | 7.3- | 17- | 8-2-3-2-3-4-2-1-2-1-3-5-1-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8.10 | | | |
| 16-44.0353-113.7317-2-12 | 0-110320-06/29/79-16 | 21-14.5- | - | 9.7- | 385- | 9-4-7-4-8-3-2-1-2-2-3-3-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 16-44.0839-113.7539-2-11 | 0-110321-06/29/79-13 | 21-23.5- | - | 10.4- | 295- | 12-3-8-5-8-3-3-1-2-2-3-4-2-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | | |
| 16-44.0831-113.7231-2-12 | 0-110322-06/29/79-18 | 22-16.7- | - | 9.8- | 305- | 3-2-1-4-8-3-2-1-2-2-3-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | |
| 16-44.0811-113.7706-2-12 | 0-110323-06/29/79-13 | 28-13.4- | - | 10.3- | 85- | 7-3-8-5-8-3-3-1-2-2-3-3-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.00 | | | |
| 16-44.0871-113.7736-2-11 | 0-110324-06/29/79-10 | 28-7.2- | - | 9.4- | 76- | 10-2-7-5-8-3-3-1-4-3-5-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | | |
| 16-44.0853-113.8150-2-12 | 0-110325-06/29/79-14 | 29-11.3- | - | 10.1- | 36- | 8-2-7-5-8-3-3-1-2-1-3-4-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.90 | | | |
| 16-44.0861-113.7850-2-12 | 0-110326-06/29/79-14 | 29-14.6- | - | 9.8- | 64- | 10-2-7-5-8-3-3-1-2-2-3-4-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.30 | | | |
| 16-44.0839-113.7700-2-12 | 0-110327-06/29/79-15 | 28-14.7- | - | 10.9- | 67- | 14-3-8-5-8-3-3-1-2-2-3-3-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | | |
| 16-44.0869-113.7511-2-12 | 0-110328-06/29/79-19 | 27-15.9- | - | 9.6- | 175- | 15-3-7-5-8-3-3-1-2-2-3-3-3-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 16-44.0850-113.7928-2-12 | 0-110329-06/29/79-19 | 21-16.5- | - | 10.0- | 51- | 3-4-7-5-8-3-3-1-2-4-3-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44.0806-113.8050-2-12 | 0-1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE REPLICATE | DOE LAB LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|-------------------------------------|----------------------------|---|-----|-----|----|----|-----|----|----|---|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.1647-113.1792-2-12- | 0-110202 | -5 | -5 | -5 | 12 | -20 | -15 | 12 | -10 | -15 | -5 | -5 | 86 | -1 | 6 | | | | | | | |
| 16-44.1325-113.1872-2-12- | 0-110204 | -5 | -5 | -5 | 20 | 36 | -15 | 26 | -10 | -15 | 6 | -5 | 121 | 1 | 15 | | | | | | | |
| 16-44.1361-113.1944-2-15- | 0-110205 | -5 | -5 | -5 | 26 | -20 | -15 | 28 | -10 | -15 | 8 | -5 | 89 | 1 | 11 | | | | | | | |
| 16-44.1361-113.2017-2-11- | 0-110206 | -5 | -5 | -5 | 16 | 73 | -15 | 12 | -10 | -15 | 13 | -5 | 93 | -1 | 10 | | | | | | | |
| 16-44.1219-113.2325-2-15- | 0-110207 | -5 | -5 | -5 | 25 | -20 | -15 | 11 | -10 | -15 | 13 | -5 | 133 | 1 | 19 | | | | | | | |
| 16-44.1106-113.1803-2-11- | 0-110208 | -5 | -5 | -5 | 19 | 20 | -15 | 14 | -10 | -15 | 9 | -5 | 51 | 3 | 35 | | | | | | | |
| 15-44.1019-113.1897-2-12- | 0-110209 | -5 | -5 | -5 | 16 | 32 | 17 | 13 | -10 | -15 | 12 | -5 | 109 | -1 | 10 | | | | | | | |
| 16-44.0822-113.5578-2-12- | 0-110210 | -5 | -5 | -5 | 14 | 25 | 22 | 7 | -10 | -15 | 9 | -5 | 91 | 2 | 40 | | | | | | | |
| 16-44.9953-113.7528-2-12- | 0-110211 | -5 | -5 | -5 | 34 | 56 | 42 | 7 | -10 | -15 | 10 | -5 | 178 | 2 | 14 | | | | | | | |
| 16-44.9731-113.7506-2-11- | 0-110212 | -5 | -5 | -5 | 23 | 27 | 22 | 10 | -10 | -15 | 6 | -5 | 192 | 1 | 20 | | | | | | | |
| 15-44.9711-113.7608-2-11- | 0-110213 | -5 | -5 | -5 | 31 | -20 | 22 | 6 | -10 | -15 | -5 | -5 | 154 | 2 | 15 | | | | | | | |
| 16-44.9600-113.8067-2-11- | 0-110214 | -5 | -5 | -5 | 38 | 43 | 45 | -5 | -10 | -15 | 12 | -5 | 198 | 2 | 24 | | | | | | | |
| 16-44.1361-113.5642-2-11- | 0-110215 | -5 | -5 | -5 | 61 | 53 | 75 | -5 | -10 | -15 | -5 | -5 | 109 | 1 | 21 | | | | | | | |
| 16-44.9678-113.9514-2-12- | 0-110216 | -5 | -5 | -5 | 25 | 48 | 21 | 22 | -10 | -15 | -5 | -5 | 216 | 2 | 18 | | | | | | | |
| 16-44.9531-113.9536-2-12- | 0-110217 | -5 | -5 | -5 | 16 | 67 | 46 | 8 | -10 | -15 | 9 | -5 | 372 | 3 | 33 | | | | | | | |
| 16-44.9382-113.9642-2-12- | 0-110218 | -5 | -5 | -5 | 28 | 66 | -15 | 36 | -10 | -15 | 5 | -5 | 227 | 3 | 32 | | | | | | | |
| 16-44.9180-113.9656-2-12- | 0-110219 | -5 | -5 | -5 | 46 | 60 | 87 | -5 | -10 | -15 | 6 | -5 | 151 | 2 | 19 | | | | | | | |
| 16-44.9333-113.9589-2-15- | 0-110220 | -5 | -5 | -5 | 21 | 50 | -15 | 7 | -10 | -15 | 10 | -5 | 282 | 3 | 29 | | | | | | | |
| 16-44.9233-113.9617-2-12- | 0-110221 | -5 | -5 | -5 | 20 | 45 | 61 | 19 | -10 | -15 | 9 | -5 | 205 | 2 | 35 | | | | | | | |
| 16-44.8747-113.9736-2-15- | 0-110222 | -5 | -5 | -5 | 19 | 54 | -15 | 13 | -10 | -15 | 9 | -5 | 311 | 2 | 22 | | | | | | | |
| 16-44.8503-113.9822-2-12- | 0-110223 | -5 | -5 | -5 | 42 | 44 | 139 | 5 | -10 | -15 | 8 | -5 | 160 | 2 | 22 | | | | | | | |
| 16-44.8707-113.9792-2-12- | 0-110224 | -5 | -5 | -5 | 43 | 66 | 153 | -5 | -10 | -15 | 5 | -5 | 170 | 3 | 33 | | | | | | | |
| 16-44.8886-113.9742-2-12- | 0-110225 | -5 | -5 | -5 | 32 | -20 | 55 | 11 | -10 | -16 | -5 | -5 | 224 | 3 | 23 | | | | | | | |
| 16-44.8967-113.9611-2-12- | 0-110226 | -5 | -5 | -5 | 32 | 28 | 18 | 29 | -10 | -15 | 7 | -5 | 232 | 3 | 26 | | | | | | | |
| 16-44.8777-113.9686-2-12- | 0-110227 | -5 | 6 | -5 | 26 | 57 | 26 | 6 | -10 | -15 | 5 | -5 | 228 | -1 | 27 | | | | | | | |
| 16-44.8775-113.9119-2-12- | 0-110228 | -5 | -5 | -5 | 62 | 45 | -15 | 8 | -10 | -15 | -5 | -5 | 213 | 3 | 44 | | | | | | | |
| 16-44.8733-113.9342-2-12- | 0-110229 | -5 | -5 | -5 | 33 | 32 | 44 | 11 | -10 | -15 | -5 | -5 | 222 | 3 | 26 | | | | | | | |
| 16-44.9978-113.6525-2-12- | 0-110230 | -5 | -5 | -5 | 23 | 35 | 17 | 5 | -10 | -15 | 5 | -5 | 245 | 2 | 21 | | | | | | | |
| 16-44.9978-113.6556-2-12- | 0-110231 | -5 | -5 | -5 | 43 | 26 | 20 | 5 | -10 | -15 | 11 | -5 | 217 | 2 | 30 | | | | | | | |
| 16-44.9600-113.7200-2-99- | 0-110232 | -5 | -5 | -5 | 32 | 45 | 16 | 10 | -10 | -15 | 5 | -5 | 249 | 2 | 32 | | | | | | | |
| 16-44.9756-113.7114-2-99- | 0-110233 | -5 | -5 | -5 | 40 | 25 | 17 | 11 | -10 | -15 | -5 | -5 | 192 | 2 | 22 | | | | | | | |
| 16-44.9694-113.7119-2-15- | 0-110234 | -5 | -5 | -5 | 48 | 49 | -15 | 5 | -10 | -15 | 7 | -5 | 160 | -1 | 28 | | | | | | | |
| 16-44.9775-113.6858-2-12- | 0-110235 | -5 | -5 | -5 | 43 | -20 | 19 | -5 | -10 | -23 | 18 | -5 | 220 | 2 | 26 | | | | | | | |
| 16-44.9325-113.6486-2-12- | 0-110236 | -5 | 5 | -5 | 24 | -20 | 19 | 7 | -10 | -15 | 6 | -5 | 187 | -1 | 25 | | | | | | | |
| 16-44.4483-113.5931-2-12- | 0-110237 | -5 | -5 | -5 | 20 | 20 | -15 | 7 | -10 | -15 | -5 | -5 | 148 | 1 | 14 | | | | | | | |
| 16-44.4778-113.5847-2-12- | 0-110238 | -5 | -5 | -5 | 18 | -20 | -15 | 7 | -10 | -15 | 8 | -5 | 133 | -1 | 28 | | | | | | | |
| 16-44.8353-113.7317-2-12- | 0-110239 | -5 | -5 | -5 | 27 | 20 | -15 | -5 | -10 | -15 | 6 | -5 | 247 | 2 | 23 | | | | | | | |
| 16-44.8639-113.7539-2-11- | 0-110240 | -5 | -5 | -5 | 61 | -20 | 212 | -5 | -10 | -15 | 8 | -5 | 156 | 2 | 46 | | | | | | | |
| 16-44.8331-113.7231-2-12- | 0-110241 | -5 | 5 | -5 | 40 | -20 | 26 | 8 | -10 | -17 | 6 | -5 | 237 | -1 | 38 | | | | | | | |
| 16-44.8611-113.7706-2-12- | 0-110242 | -5 | -5 | -5 | 19 | -20 | -15 | -5 | -10 | -15 | 6 | -5 | 208 | -1 | 20 | | | | | | | |
| 16-44.8711-113.7736-2-11- | 0-110243 | -5 | -5 | -5 | 23 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 366 | -1 | 28 | | | | | | | |
| 16-44.8653-113.8150-2-12- | 0-110244 | -5 | -5 | -5 | 26 | 22 | -15 | 13 | -10 | -15 | -5 | -5 | 120 | -1 | 23 | | | | | | | |
| 16-44.8761-113.7850-2-12- | 0-110245 | -5 | -5 | -5 | 32 | 31 | -15 | 11 | -10 | -15 | -5 | -5 | 197 | 2 | 17 | | | | | | | |
| 16-44.8583-113.7700-2-12- | 0-110246 | -5 | -5 | -5 | 25 | 23 | 27 | -5 | -10 | -15 | -5 | -5 | 207 | 2 | 23 | | | | | | | |
| 16-44.8469-113.7511-2-12- | 0-110247 | -5 | -5 | -5 | 28 | 26 | -15 | -5 | -10 | -15 | 7 | -5 | 189 | 3 | 40 | | | | | | | |
| 16-44.8450-113.7928-2-12- | 0-110248 | -5 | 9 | -5 | 26 | -20 | 27 | 13 | -10 | -15 | -5 | -5 | 188 | 2 | 33 | | | | | | | |
| 16-44.8306-113.8050-2-12- | 0-110249 | -5 | -5 | -5 | 35 | -20 | 38 | 6 | -10 | -15 | 24 | -5 | 191 | 3 | 28 | | | | | | | |
| 16-44.7608-113.5786-2-12- | 0-110250 | -5 | 10 | -5 | 29 | 24 | -15 | 5 | -10 | -15 | 15 | -5 | 404 | 2 | 17 | | | | | | | |
| 16-44.8672-113.6233-2-12- | 0-110251 | -5 | -5 | -5 | -10 | -20 | -15 | 11 | -10 | -15 | -5 | -5 | 409 | 1 | 20 | | | | | | | |
| 16-44.8661-113.6289-2-12- | 0-110252 | -5 | 5 | -5 | 57 | -20 | 31 | 16 | -10 | -15 | 11 | -5 | 253 | 2 | 23 | | | | | | | |
| 16-44.8603-113.6439-2-12- | 0-110253 | -5 | -5 | -5 | 47 | -20 | 19 | 6 | -10 | -21 | 14 | -5 | 283 | 2 | 27 | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|--|---|------|-----|------|----|-----|-------|------|-------|----|------|----|----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 16-44.1647-113.1752-2-12- | 0-119282 | 9759 | -0.05 | 162 | 177800 | 16 | 318 | 3.6 | 18 | 1.1 | 1 | 0.3 | 6513 | 3.7 | 4355 | 11 | -0.1 | | | |
| 16-44.1325-113.1672-2-12- | 0-119284 | 36030 | -0.06 | 1147 | 94620 | 38 | -79 | 6.0 | 55 | 3.0 | 3 | 0.6 | 17230 | 4.6 | 11200 | 23 | 0.2 | | | |
| 16-44.1361-113.1944-2-15- | 0-119285 | 26800 | -0.05 | 687 | 122100 | 39 | 200 | 6.5 | 30 | 3.7 | 2 | 0.6 | 14700 | 3.1 | 11280 | 15 | 0.2 | | | |
| 16-44.1361-113.2017-2-11- | 0-119286 | 25540 | -0.05 | 464 | 132500 | 37 | 275 | 5.6 | 30 | 3.4 | 2 | 0.8 | 13700 | 3.5 | 9235 | 19 | 0.2 | | | |
| 16-44.1219-113.2325-2-15- | 0-119287 | 36250 | -0.05 | 729 | 90530 | 40 | 170 | 6.4 | 46 | 3.2 | 3 | 0.6 | 18520 | 4.9 | 11550 | 23 | 0.3 | | | |
| 16-44.1106-113.1803-2-11- | 0-119288 | 17520 | -0.06 | 883 | 121700 | 25 | 362 | 4.3 | 26 | 2.5 | 2 | 0.7 | 9737 | 2.1 | 9785 | 11 | 0.1 | | | |
| 16-44.1010-113.1897-2-12- | 0-119289 | 24620 | -0.04 | 484 | 137100 | 30 | 184 | 4.3 | 57 | 2.6 | 2 | 0.5 | 11770 | 3.7 | 11840 | 16 | 0.2 | | | |
| 16-44.0822-113.5578-2-12- | 0-119290 | 73180 | -0.09 | 395 | 12760 | 49 | -59 | 4.5 | 176 | 13.9 | 4 | 1.0 | 15450 | 4.1 | 23420 | 29 | 0.3 | | | |
| 16-44.9953-113.7528-2-12- | 0-119291 | 71130 | -0.09 | 1741 | 27960 | 83 | -101 | 25.1 | 276 | 12.9 | 6 | 1.3 | 57330 | 6.3 | 27960 | 45 | 0.4 | | | |
| 16-44.9731-113.7506-2-11- | 0-119292 | 68810 | -0.07 | 936 | 20030 | 74 | 286 | 14.6 | 250 | 7.8 | 5 | 2.0 | 27680 | 9.5 | 19680 | 32 | 0.4 | | | |
| 16-44.9711-113.7608-2-11- | 0-119293 | 54300 | -0.08 | 1180 | 16080 | 51 | 219 | 8.8 | 223 | 7.7 | 5 | 1.0 | 24330 | 5.8 | 14860 | 28 | 0.3 | | | |
| 16-44.9600-113.8067-2-11- | 0-119294 | 78320 | -0.10 | 1084 | 12780 | 94 | -114 | 20.3 | 209 | 8.0 | 5 | 1.8 | 38700 | 7.9 | 19750 | 42 | 0.4 | | | |
| 16-44.1361-113.5642-2-11- | 0-119295 | 52210 | -0.09 | 754 | 29300 | 46 | 179 | 22.6 | 169 | 4.5 | 3 | 1.0 | 43810 | 3.6 | 11300 | 28 | 0.3 | | | |
| 16-44.9678-113.9514-2-12- | 0-119296 | 53610 | -0.07 | 877 | 14460 | 88 | 233 | 8.5 | 96 | 8.4 | 7 | 2.2 | 21550 | 10.8 | 22100 | 46 | 0.6 | | | |
| 16-44.9531-113.9539-2-12- | 0-119297 | 61310 | -0.07 | 1087 | 16560 | 87 | -110 | 11.6 | 479 | 5.8 | 7 | 1.9 | 27100 | 15.2 | 28110 | 46 | 0.5 | | | |
| 16-44.9383-113.9642-2-12- | 0-119298 | 70000 | -0.09 | 1016 | 18930 | 101 | -93 | 12.6 | 118 | 19.1 | 5 | 1.8 | 34670 | 9.8 | 26200 | 41 | 0.5 | | | |
| 16-44.9180-113.9656-2-12- | 0-119299 | 60450 | -0.09 | 728 | 32240 | 69 | -111 | 27.3 | 487 | 3.8 | 5 | 1.8 | 49930 | 6.6 | 18980 | 34 | 0.3 | | | |
| 16-44.9333-113.9589-2-15- | 0-119300 | 55810 | -0.06 | 864 | 13050 | 65 | 274 | 5.6 | 75 | 5.4 | 5 | 1.7 | 17880 | 13.7 | 22190 | 36 | 0.5 | | | |
| 16-44.9233-113.9617-2-12- | 0-119301 | 54110 | -0.07 | 789 | 46160 | 71 | 192 | 14.2 | 359 | 5.1 | 4 | 1.4 | 29590 | 8.5 | 19780 | 30 | 0.3 | | | |
| 16-44.8742-113.9736-2-15- | 0-119302 | 58300 | -0.07 | 895 | 38670 | 126 | -92 | 11.6 | 117 | 3.0 | 5 | 1.9 | 31790 | 16.6 | 21950 | 51 | 0.4 | | | |
| 16-44.8503-113.9822-2-12- | 0-119303 | 57440 | -0.10 | 802 | 36710 | 55 | 159 | 29.3 | 534 | 3.2 | 5 | 1.5 | 46480 | 5.6 | 24470 | 26 | 0.4 | | | |
| 16-44.8797-113.9792-2-12- | 0-119304 | 54130 | -0.08 | 578 | 29390 | 77 | -120 | 30.0 | 552 | -2.2 | 1 | 2.0 | 54050 | 6.9 | 12920 | 31 | 0.4 | | | |
| 16-44.8886-113.9742-2-12- | 0-119305 | 70020 | -0.07 | 924 | 25130 | 75 | 192 | 19.5 | 202 | 3.3 | 5 | 1.8 | 31530 | 8.2 | 19550 | 38 | 0.3 | | | |
| 16-44.8967-113.9611-2-12- | 0-119306 | 66950 | -0.08 | 1139 | 27780 | 86 | -106 | 9.6 | 112 | 7.7 | 7 | 1.8 | 25450 | 9.4 | 25340 | 34 | 0.5 | | | |
| 16-44.8772-113.9686-2-12- | 0-119307 | 65040 | -0.08 | 1226 | 34450 | 80 | -203 | 18.0 | 333 | -2.0 | 6 | 1.3 | 39880 | 9.3 | 20020 | 46 | 0.3 | | | |
| 16-44.8775-113.9119-2-12- | 0-119308 | 66250 | -0.08 | 676 | 10290 | 109 | 95 | 8.0 | 42 | 8.3 | 8 | 2.1 | 28000 | 11.0 | 19570 | 48 | 0.7 | | | |
| 16-44.8733-113.9342-2-12- | 0-119309 | 64120 | -0.08 | 1086 | 33460 | 66 | -118 | 17.6 | 341 | 3.6 | 6 | 1.1 | 35720 | 8.4 | 18810 | 35 | 0.4 | | | |
| 16-44.9978-113.6525-2-12- | 0-119310 | 57110 | -0.09 | 1057 | 17050 | 74 | 179 | 8.8 | 126 | 3.5 | 5 | 1.7 | 22730 | 8.8 | 20550 | 32 | 0.4 | | | |
| 16-44.9978-113.6556-2-12- | 0-119311 | 73580 | -0.08 | 925 | 19090 | 97 | -94 | 14.7 | 110 | 7.7 | 5 | 1.8 | 35880 | 7.9 | 19740 | 39 | 0.4 | | | |
| 16-44.9600-113.7200-2-99- | 0-119312 | 71980 | -0.07 | 1065 | 11560 | 94 | 164 | 17.8 | 79 | 7.4 | -1 | 2.1 | 38720 | 11.7 | 25980 | 37 | 0.5 | | | |
| 16-44.9756-113.7114-2-99- | 0-119313 | 65290 | -0.08 | 969 | 19880 | 65 | 201 | 18.2 | 128 | 9.5 | 5 | 1.8 | 38530 | 6.3 | 28860 | 35 | 0.4 | | | |
| 16-44.9694-113.7119-2-15- | 0-119314 | 68610 | -0.10 | 907 | 22620 | 89 | -117 | 13.4 | 126 | 7.5 | 6 | 1.7 | 33590 | 5.3 | 16090 | 35 | 0.4 | | | |
| 16-44.9775-113.6558-2-12- | 0-119315 | 67520 | -0.10 | 992 | 17590 | 69 | -97 | 19.9 | 221 | 16.0 | 5 | 2.0 | 46570 | 7.8 | 26010 | 33 | 0.4 | | | |
| 16-44.9325-113.6486-2-12- | 0-119316 | 59260 | -0.08 | 648 | 20110 | 71 | -112 | 11.4 | 72 | 4.8 | 3 | 1.7 | 30800 | 7.8 | 13000 | 30 | 0.5 | | | |
| 16-44.4483-113.5931-2-12- | 0-119317 | 45860 | -0.09 | 1113 | 12910 | 45 | -104 | 6.1 | 51 | 15.1 | 4 | 0.8 | 18300 | 6.0 | 11430 | 27 | 0.4 | | | |
| 16-44.4778-113.5847-2-12- | 0-119318 | 50190 | -0.10 | 2548 | 13630 | 53 | 220 | 5.7 | 68 | 19.8 | 4 | 1.7 | 19190 | 5.9 | 16940 | 28 | 0.3 | | | |
| 16-44.8353-113.7317-2-12- | 0-119319 | 68560 | -0.08 | 1121 | 26940 | 88 | -97 | 17.2 | 212 | -2.0 | 6 | 2.0 | 44230 | 9.9 | 24000 | 36 | 0.6 | | | |
| 16-44.8639-113.7539-2-11- | 0-119320 | 52170 | -0.09 | 400 | 26320 | 75 | -92 | 46.9 | 687 | 9.7 | 2 | 1.9 | 72200 | 5.7 | 16430 | 32 | 0.4 | | | |
| 16-44.8331-113.7231-2-12- | 0-119321 | 70060 | -0.08 | 1044 | 28170 | 67 | -113 | 15.1 | 195 | -1.9 | 6 | 1.9 | 39220 | 8.6 | 19770 | 36 | 0.4 | | | |
| 16-44.8611-113.7706-2-12- | 0-119322 | 77400 | -0.08 | 1159 | 34450 | 93 | -127 | 17.9 | 56 | -2.0 | 5 | 2.1 | 44020 | 9.1 | 18280 | 38 | 0.4 | | | |
| 16-44.8711-113.7736-2-11- | 0-119323 | 49140 | -0.07 | 672 | 3331 | 67 | 129 | 5.5 | 37 | 4.6 | 8 | 1.6 | 14750 | 17.3 | 26350 | 36 | 0.6 | | | |
| 16-44.8653-113.8150-2-12- | 0-119324 | 51220 | -0.09 | 885 | 25900 | 66 | 277 | 12.1 | 60 | 3.8 | 4 | 1.5 | 31760 | 5.6 | 22760 | 30 | 0.4 | | | |
| 16-44.8761-113.7850-2-12- | 0-119325 | 75600 | -0.08 | 1240 | 35060 | 66 | -133 | 19.0 | 145 | -2.2 | 6 | 2.1 | 44020 | 5.8 | 22360 | 36 | 0.4 | | | |
| 16-44.8583-113.7700-2-12- | 0-119326 | 71530 | -0.10 | 982 | 37130 | 95 | -113 | 19.6 | 330 | 4.0 | 5 | 2.2 | 44090 | 8.8 | 21630 | 41 | 0.4 | | | |
| 16-44.8469-113.7511-2-12- | 0-119327 | 73360 | -0.08 | 1257 | 25480 | 71 | -105 | 16.1 | 102 | 5.1 | 5 | 1.9 | 40130 | 7.8 | 23510 | 37 | 0.3 | | | |
| 16-44.8450-113.7928-2-12- | 0-119328 | 63570 | -0.07 | 410 | 34050 | 82 | -108 | 15.2 | 113 | 4.2 | 4 | 2.0 | 44870 | 8.7 | 13120 | 37 | 0.5 | | | |
| 16-44.8306-113.8050-2-12- | 0-119329 | 59010 | -0.08 | 770 | 73860 | 63 | 122 | 17.3 | 101 | 6.8 | 5 | 1.6 | 38040 | 7.8 | 23000 | 30 | 0.4 | | | |
| 16-44.7609-113.5786-2-12- | 0-119330 | 49700 | -0.06 | 733 | 12150 | 125 | -83 | 12.1 | 132 | 5.1 | 7 | 1.9 | 44010 | 19.5 | 17960 | 46 | 0.6 | | | |
| 16-44.8677-113.6223-2-12- | 0-119331 | 51140 | -0.06 | 794 | 31820 | 77 | 121 | 10.1 | 194 | 4.6 | 6 | 1.7 | 25260 | 18.7 | 18950 | 33 | 0.4 | | | |
| 16-44.8661-113.6289-2-12- | 0-119332 | 57430 | -0.08 | 407 | 23660 | 88 | -91 | 20.5 | 135 | 5.4 | 3 | 2.0 | 46600 | 12.3 | 12300 | 39 | 0.5 | | | |
| 16-44.8602-113.6439-2-12- | 0-119333 | 60010 | -0.07 | 743 | 34820 | 79 | -105 | 12.4 | 87 | 4.4 | 7 | 1.6 | 33700 | 11.2 | 20190 | 32 | 0.5 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | U/Th RATIO | | | | | | | | | | | | | | | | |
|--------------------------|----------|-----------|---------|-------------|-----------|------------|----------------------------|---|------|----|-----|------|------|------|------|-------|-------|----|---|----|----|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | DOE SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | |
| | | | | | | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | Zn | |
| 16-44.1647-113.1792-2-12 | 0-110293 | 79240 | 206 | 1014 | -19 | -1 | 2.0 | 1.3 | -150 | -1 | 1.8 | 660 | 15 | -1.3 | -43 | 0.722 | | | | | | |
| 16-44.1325-113.1872-2-12 | 0-110294 | 32660 | 515 | 5661 | -24 | -1 | 5.5 | 3.3 | -249 | -1 | -1 | 5.9 | 1887 | 39 | -1.2 | 125 | 0.322 | | | | | |
| 16-44.1361-113.1544-2-15 | 0-110295 | 57480 | 603 | 3232 | 54 | 1 | 4.9 | 3.0 | -222 | -1 | -1 | 5.7 | 1535 | 37 | -0.9 | 96 | 0.386 | | | | | |
| 16-44.1361-113.2017-2-11 | 0-110296 | 67620 | 544 | 3352 | -22 | -1 | 4.1 | 3.0 | -253 | -1 | -1 | 5.2 | 2019 | 30 | -1.4 | 45 | 0.327 | | | | | |
| 16-44.1219-113.2325-2-15 | 0-110297 | 35760 | 607 | 5497 | -20 | -1 | 6.3 | 3.7 | -219 | -1 | -1 | 6.8 | 2592 | 51 | 1.9 | 126 | 0.294 | | | | | |
| 16-44.1106-113.1801-2-11 | 0-110298 | 31700 | 413 | 2455 | -23 | -1 | 3.2 | 1.7 | -179 | -1 | -1 | 2.3 | 920 | 29 | -1.1 | -76 | 1.000 | | | | | |
| 16-44.1019-113.1897-2-12 | 0-110299 | 38500 | 335 | 2826 | -18 | -1 | 4.2 | 2.9 | -172 | -1 | -1 | 4.5 | 1626 | 44 | 1.7 | 103 | 0.489 | | | | | |
| 16-44.0822-113.1578-2-12 | 0-110300 | 7478 | 107 | 3482 | 87 | -2 | 11.0 | 5.2 | 221 | -1 | -1 | 9.1 | 2827 | 149 | -1.7 | -88 | 0.648 | | | | | |
| 16-44.9953-113.7525-2-12 | 0-110301 | 13280 | 1067 | 11820 | 99 | -2 | 18.2 | 7.5 | 502 | -2 | -1 | 11.4 | 4966 | 124 | 3.5 | 123 | 0.421 | | | | | |
| 16-44.9731-113.7505-2-11 | 0-110302 | 6844 | 1161 | 16750 | 117 | -2 | 10.4 | 7.3 | -311 | -1 | -1 | 9.2 | 3722 | 62 | 3.6 | 124 | 0.598 | | | | | |
| 16-44.9711-113.7608-2-11 | 0-110303 | 4420 | 581 | 11350 | -31 | -2 | 8.2 | 5.4 | -278 | -1 | -1 | 7.0 | 2523 | 52 | 3.7 | 74 | 0.329 | | | | | |
| 16-44.9600-113.8067-2-11 | 0-110304 | 8717 | 1195 | 12840 | 88 | -2 | 11.9 | 7.6 | 462 | -1 | -1 | 11.7 | 5191 | 90 | 3.3 | -143 | 0.256 | | | | | |
| 16-44.1361-113.5642-2-11 | 0-110305 | 2200 | 735 | 9940 | -37 | -2 | 13.8 | 4.8 | -304 | -1 | -1 | 5.1 | 3178 | 103 | 2.1 | 114 | 0.647 | | | | | |
| 16-44.9678-113.9514-2-12 | 0-110306 | 5548 | 519 | 8086 | 74 | -2 | 9.3 | 14.5 | -254 | -2 | -1 | 10.9 | 3319 | 49 | 5.0 | 129 | 2.413 | | | | | |
| 16-44.9531-113.9530-2-12 | 0-110307 | 10490 | 590 | 13300 | 100 | -2 | 9.8 | 7.3 | 563 | -1 | -1 | 17.7 | 4539 | 71 | 4.4 | 123 | 0.446 | | | | | |
| 16-44.9383-113.9642-2-12 | 0-110308 | 9886 | 615 | 11800 | 113 | -1 | 11.2 | 8.1 | 405 | -1 | -1 | 15.3 | 4205 | 69 | 3.1 | 84 | 0.229 | | | | | |
| 16-44.9189-113.9656-2-12 | 0-110309 | 23600 | 894 | 14300 | 80 | -2 | 16.4 | 5.5 | -331 | -1 | -1 | 11.6 | 4126 | 119 | -1.7 | 109 | 0.379 | | | | | |
| 16-44.9333-113.9580-2-15 | 0-110310 | 6985 | 368 | 16110 | 66 | -1 | 7.2 | 7.2 | -233 | -1 | -1 | 11.5 | 2832 | 41 | 3.6 | 158 | 0.365 | | | | | |
| 16-44.9233-113.9617-2-12 | 0-110311 | 26050 | 637 | 13280 | 78 | -2 | 9.9 | 4.9 | -262 | -1 | -1 | 11.0 | 3165 | 69 | -1.4 | 134 | 0.327 | | | | | |
| 16-44.8742-113.9736-2-15 | 0-110312 | 10800 | 580 | 15600 | 73 | -2 | 9.9 | 7.9 | -241 | 2 | -1 | 20.2 | 3195 | 87 | 4.1 | -90 | 0.243 | | | | | |
| 16-44.8503-113.9822-2-12 | 0-110313 | 20040 | 810 | 14360 | 68 | -2 | 15.5 | 4.7 | -333 | -2 | -1 | 8.0 | 4547 | 126 | 3.9 | 123 | 0.313 | | | | | |
| 16-44.8797-113.9792-2-12 | 0-110314 | 16670 | 786 | 14680 | 125 | -2 | 19.7 | 7.7 | -299 | -1 | -1 | 8.5 | 3504 | 136 | -1.5 | 113 | 0.294 | | | | | |
| 16-44.8886-113.9742-2-12 | 0-110315 | 13780 | 523 | 20020 | 80 | -2 | 12.5 | 6.5 | 576 | -1 | -1 | 10.4 | 3901 | 75 | 3.4 | 145 | 0.481 | | | | | |
| 16-44.8957-113.9611-2-12 | 0-110316 | 10210 | 505 | 15090 | 77 | -2 | 9.1 | 8.1 | -277 | -1 | -1 | 12.6 | 3000 | 57 | 4.2 | 199 | 0.373 | | | | | |
| 16-44.8772-113.9688-2-12 | 0-110317 | 16900 | 789 | 15220 | 67 | -2 | 15.1 | 6.6 | 516 | -1 | -1 | 11.4 | 4779 | 97 | 3.5 | -94 | 0.465 | | | | | |
| 16-44.8775-113.9115-2-12 | 0-110318 | 7211 | 774 | 16870 | 77 | -2 | 9.8 | 15.1 | -327 | -1 | -1 | 13.9 | 4023 | 54 | 5.8 | -72 | 1.050 | | | | | |
| 16-44.8733-113.9342-2-12 | 0-110319 | 19420 | 753 | 16340 | 66 | -2 | 15.3 | 7.0 | 597 | -1 | -1 | 9.8 | 3635 | 94 | -1.4 | 73 | 0.898 | | | | | |
| 16-44.9978-113.6525-2-12 | 0-110320 | 8365 | 302 | 14310 | 74 | -2 | 8.9 | 5.9 | -244 | -1 | -1 | 10.4 | 3130 | 59 | 3.0 | -47 | 0.356 | | | | | |
| 16-44.9978-113.6556-2-12 | 0-110321 | 8510 | 566 | 12580 | -31 | -2 | 12.4 | 7.0 | -263 | -1 | -1 | 13.0 | 4053 | 92 | 3.9 | -66 | 0.246 | | | | | |
| 16-44.9600-113.7200-2-99 | 0-110322 | 5018 | 1587 | 11670 | 91 | -2 | 12.0 | 9.1 | -322 | -1 | -1 | 13.8 | 4462 | 73 | 4.6 | 146 | 0.268 | | | | | |
| 16-44.9756-113.7114-2-99 | 0-110323 | 9822 | 931 | 12820 | 112 | -2 | 13.6 | 5.8 | -288 | -1 | -1 | 10.1 | 3613 | 84 | 3.5 | 88 | 0.287 | | | | | |
| 16-44.9594-113.7119-2-15 | 0-110324 | 8307 | 893 | 12190 | -35 | -2 | 11.0 | 6.4 | -357 | -1 | -1 | 10.8 | 3014 | 82 | -1.9 | 83 | 0.546 | | | | | |
| 16-44.9775-113.6858-2-12 | 0-110325 | 10820 | 665 | 10980 | 114 | -3 | 16.8 | 6.2 | -279 | -2 | -1 | 10.7 | 5097 | 109 | 4.2 | 164 | 0.262 | | | | | |
| 16-44.9225-113.6486-2-12 | 0-110326 | 7219 | 422 | 10760 | 78 | -2 | 11.2 | 8.4 | -249 | -1 | -1 | 9.9 | 2465 | 49 | 3.8 | -71 | 0.354 | | | | | |
| 16-44.4483-113.5931-2-12 | 0-110327 | 6851 | 280 | 6278 | -35 | -2 | 6.0 | 6.2 | -240 | -1 | -1 | 8.5 | 2296 | 41 | -1.6 | 76 | 1.353 | | | | | |
| 16-44.4778-113.5847-2-12 | 0-110328 | 9344 | 412 | 6267 | 78 | -1 | 6.6 | 3.9 | -307 | -2 | -1 | 7.1 | 2092 | 49 | 3.6 | -68 | 1.141 | | | | | |
| 16-44.8353-113.7317-2-12 | 0-110329 | 11850 | 758 | 14600 | 74 | -2 | 15.1 | 7.5 | -277 | -1 | -1 | 10.8 | 4702 | 103 | 5.2 | 100 | 0.315 | | | | | |
| 16-44.8639-113.7330-2-11 | 0-110330 | 10480 | 1376 | 3572 | 147 | -2 | 20.6 | 8.6 | -347 | -1 | -1 | 7.7 | 3879 | 86 | -1.6 | 120 | 0.364 | | | | | |
| 16-44.8331-113.7231-2-12 | 0-110331 | 12310 | 805 | 13850 | 96 | -2 | 14.1 | 6.5 | 474 | -1 | -1 | 10.1 | 4671 | 103 | 3.8 | 86 | 0.366 | | | | | |
| 16-44.8611-113.7706-2-12 | 0-110332 | 11690 | 1038 | 21740 | 71 | -2 | 10.6 | 6.5 | -348 | -1 | -1 | 8.8 | 5274 | 108 | 3.8 | 156 | 0.568 | | | | | |
| 16-44.8711-113.7726-2-11 | 0-110333 | 5519 | 301 | 4927 | 81 | -1 | 6.3 | 5.9 | -177 | -1 | -1 | 11.3 | 2714 | 35 | 4.4 | 151 | 0.363 | | | | | |
| 16-44.8653-113.8150-2-12 | 0-110334 | 6871 | 1340 | 11860 | 81 | -2 | 10.9 | 6.9 | -415 | -1 | -1 | 8.9 | 2594 | 47 | 4.1 | 168 | 0.438 | | | | | |
| 16-44.8761-113.7850-2-12 | 0-110335 | 11360 | 838 | 19030 | 118 | -2 | 15.5 | 7.1 | 407 | -1 | -1 | 8.4 | 4760 | 119 | -1.5 | 65 | 0.512 | | | | | |
| 16-44.8583-113.7700-2-12 | 0-110336 | 17240 | 865 | 17020 | -36 | -2 | 17.8 | 8.1 | -320 | -1 | -1 | 10.3 | 4991 | 105 | 5.2 | -43 | 0.456 | | | | | |
| 16-44.8460-113.7511-2-12 | 0-110337 | 10480 | 920 | 14410 | 85 | -2 | 13.8 | 5.6 | 798 | -1 | -1 | 9.8 | 4085 | 97 | 3.3 | 138 | 0.276 | | | | | |
| 16-44.8450-113.7628-2-12 | 0-110338 | 10500 | 672 | 11260 | 75 | -2 | 14.9 | 10.2 | -264 | -1 | -1 | 11.3 | 3362 | 78 | 4.5 | 70 | 0.221 | | | | | |
| 16-44.8306-113.8050-2-12 | 0-110339 | 12000 | 807 | 6140 | 54 | 3 | 13.6 | 5.7 | -270 | -2 | -1 | 9.4 | 3839 | 109 | 3.8 | 146 | 0.340 | | | | | |
| 16-44.7608-113.5786-2-12 | 0-110340 | 7182 | 803 | 8954 | 47 | 3 | 8.8 | 9.2 | -288 | -1 | -1 | 15.3 | 3785 | 66 | 5.4 | 74 | 0.255 | | | | | |
| 16-44.8672-113.6233-2-12 | 0-110341 | 11200 | 270 | 12680 | 82 | -2 | 10.3 | 5.6 | 251 | -1 | -1 | 10.7 | 4139 | 63 | 4.8 | 71 | 0.355 | | | | | |
| 16-44.8661-113.6289-2-12 | 0-110342 | 7629 | 678 | 7349 | 84 | -2 | 15.9 | 8.4 | -249 | -2 | -1 | 11.0 | 2973 | 92 | 4.2 | 115 | 0.327 | | | | | |
| 16-44.8603-113.6439-2-12 | 0-110343 | 11240 | 690 | 10920 | 95 | -2 | 11.2 | 7.1 | -253 | -1 | -1 | 11.7 | 3958 | 86 | 3.8 | 135 | 0.256 | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

①

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | | |
|---------------------------|------------------------|------------|---------|-------------|-----------|--|--------------|------|-----------------|-------------------|----------|----------------------|----|------------------------|-----------------------|-----------|------------|---------------|----------------|-----------------|-------------|-------------|----------------|-----------------|--------------------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | pH | CONDUCTIVITY (umho/cm) | SOUTHWESTER (SU, ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | WATER COLOR | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44.9003-113.6292-2-15- | 0-1.19335-06/30/79-11- | 25- | - | - | - | 15-4-6-4-6-1-1-2-3-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 16-44.8972-113.6456-2-15- | 0-1.19336-06/30/79-12- | 28- | - | - | - | 17-1-6-4-6-1-1-2-3-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | | |
| 16-44.9256-113.6417-2-12- | 0-1.19337-06/30/79-12- | 29-11.6- | - | - | - | 16-3-7-5-8-2-2-1-2-2-3-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | |
| 16-44.9250-113.7289-2-12- | 0-1.19338-06/30/79-12- | 28-13.2- | - | - | - | 9-2-7-4-6-3-3-1-2-2-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8.10 | | |
| 16-44.9078-113.7203-2-11- | 0-1.19339-06/30/79-13- | 28-10.1-0- | - | - | - | 5-3-7-5-8-2-1-2-3-4-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.80 | | |
| 16-44.9247-113.7436-2-12- | 0-1.19340-06/30/79-14- | 28-12.1- | - | - | - | 6-3-7-5-8-3-3-1-2-2-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 31.80 | | |
| 16-44.9064-113.8322-2-11- | 0-1.19341-06/30/79-15- | 28-17.6- | - | - | - | 9-3-7-5-8-2-1-4-3-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 29.90 | | |
| 16-44.9139-113.8542-2-12- | 0-1.19342-06/30/79-16- | 23-12.1- | - | - | - | 6-4-7-7-8-3-3-1-2-1-3-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9.10 | | |
| 16-44.9158-113.8547-2-12- | 0-1.19343-06/30/79-16- | 23-11.9- | - | - | - | 8-4-7-7-8-3-3-1-2-1-3-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12.70 | | |
| 16-44.9292-113.7628-2-12- | 0-1.19344-06/30/79-17- | 24-9.9- | - | - | - | 7-4-7-5-8-3-3-1-2-2-3-4-3-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 37.60 | | |
| 16-44.7531-113.7506-2-12- | 0-1.19345-06/29/79-12- | 25-6.6- | - | - | - | 10-2-6-2-6-3-3-1-2-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.20 | | |
| 16-44.7303-113.7736-2-12- | 0-1.19346-06/29/79-15- | 26-7.3- | - | - | - | 6-2-6-2-6-3-3-1-2-1-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | |
| 16-44.7075-113.7697-2-12- | 0-1.19347-06/29/79-18- | 22-7.3- | - | - | - | 7-2-6-2-6-3-3-1-2-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | |
| 16-44.7058-113.7689-2-12- | 0-1.19348-06/29/79-18- | 22-7.2- | - | - | - | 9-2-6-2-6-3-3-1-2-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.40 | | |
| 16-44.7044-113.7553-2-12- | 0-1.19349-06/29/79-18- | 22-7.5- | - | - | - | 5-2-6-2-6-3-3-1-2-1-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | |
| 16-44.7014-113.7361-2-12- | 0-1.19350-06/29/79-19- | 22-5.5- | - | - | - | 6-2-6-2-6-4-3-1-2-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | |
| 16-44.7028-113.7336-2-12- | 0-1.19351-06/29/79-20- | 22-6.8- | - | - | - | 7-2-6-2-6-4-3-1-2-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | |
| 16-44.7247-113.7264-2-12- | 0-1.19352-06/29/79-21- | 20-7.3- | - | - | - | 12-2-6-2-6-3-3-1-2-1-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.70 | | |
| 16-44.7281-113.7289-2-12- | 0-1.19353-06/29/79-19- | 19-8.4- | - | - | - | 13-2-6-2-6-4-3-1-2-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | | |
| 16-44.7256-113.7228-2-12- | 0-1.19354-06/29/79-19- | 19-7.4- | - | - | - | 16-2-6-2-6-4-3-1-2-1-2-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.00 | | |
| 16-44.7328-113.7111-2-11- | 0-1.19355-06/29/79-22- | 19-6.7- | - | - | - | 12-2-6-2-1-3-3-1-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12.90 | | |
| 16-44.7436-113.7067-2-12- | 0-1.19356-06/29/79-22- | 19-10.2- | - | - | - | 16-2-6-2-6-4-3-1-2-4-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | |
| 16-44.7536-113.7122-2-12- | 0-1.19357-06/29/79-22- | 18-8.3- | - | - | - | 10-2-6-2-6-4-3-1-2-1-3-4-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.00 | | |
| 16-44.7919-113.7778-2-12- | 0-1.19358-06/29/79-15- | 26-8.5- | - | - | - | 10-2-6-2-6-4-3-1-2-1-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 75.50 | | |
| 16-44.7867-113.7689-2-12- | 0-1.19359-06/29/79-15- | 26-7.5- | - | - | - | 6-2-6-5-6-4-3-1-2-1-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.80 | | |
| 16-44.7814-113.7583-2-12- | 0-1.19360-06/29/79-15- | 26-8.4- | - | - | - | 11-2-6-2-6-4-3-1-2-1-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 16-44.7736-113.7422-2-12- | 0-1.19361-06/29/79-16- | 26-10.6- | - | - | - | 10-2-6-4-6-3-2-1-2-4-3-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.90 | | |
| 16-44.7717-113.7242-2-12- | 0-1.19362-06/29/79-16- | 26-11.7- | - | - | - | 15-2-6-2-6-3-3-1-2-1-3-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.30 | | |
| 16-44.7694-113.7075-2-12- | 0-1.19364-06/29/79-16- | 26-10.5- | - | - | - | 5-2-6-2-6-4-3-1-2-1-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.40 | | |
| 16-44.7599-113.7094-2-12- | 0-1.19365-06/29/79-17- | 25-9.5- | - | - | - | 8-2-6-2-6-4-3-1-2-1-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9.20 | | |
| 16-44.7661-113.6853-2-11- | 0-1.19366-06/29/79-17- | 25-10.4- | - | - | - | 33-2-6-5-6-2-2-1-4-3-4-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 7.40 | | |
| 16-44.8039-113.7006-2-12- | 0-1.19367-06/29/79-18- | 26-7.7- | - | - | - | 7-2-6-3-6-2-3-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | |
| 16-44.8250-113.6441-2-15- | 0-1.19368-06/29/79-18- | 25- | - | - | - | 12-2-6-5-6-1-2-4-3-2-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.50 | | |
| 16-44.8128-113.6747-2-15- | 0-1.19369-06/29/79-19- | 26- | - | - | - | 16-2-6-5-6-1-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 16-44.8347-113.6736-2-12- | 0-1.19370-06/29/79-19- | 26-18.6- | - | - | - | 5-2-6-3-6-3-2-2-4-3-3-2-3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | |
| 16-44.8017-113.6914-2-15- | 0-1.19371-06/29/79-19- | 26- | - | - | - | 8-2-6-5-6-1-2-4-3-3-2-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | |
| 16-44.4403-113.6214-2-12- | 0-1.19372-07/01/79-12- | 25-16.2- | - | - | - | 6-2-6-5-6-3-3-1-2-3-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.00 | | |
| 16-44.4206-113.6383-2-11- | 0-1.19373-07/01/79-12- | 26-10.6- | - | - | - | 2-1-6-5-6-3-3-1-4-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 34.70 | | |
| 16-44.3864-113.6203-2-15- | 0-1.19375-07/01/79-13- | 26- | - | - | - | 2-1-6-5-6-1-2-4-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.00 | | |
| 16-44.3775-113.6178-2-12- | 0-1.19376-07/01/79-13- | 27-15.4- | - | - | - | 12-1-6-3-6-4-3-1-2-4-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | |
| 16-44.3614-113.5803-2-15- | 0-1.19377-07/01/79-14- | 27- | - | - | - | 15-1-6-3-6-1-2-4-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | |
| 16-44.3554-113.5756-2-15- | 0-1.19378-07/01/79-14- | 26- | - | - | - | 20-1-6-3-6-1-2-4-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.20 | | |
| 16-44.3460-113.5781-2-11- | 0-1.19379-07/01/79-14- | 27-9.9- | - | - | - | 6-1-6-3-6-3-3-1-4-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.90 | | |
| 16-44.3258-113.6047-2-12- | 0-1.19380-07/01/79-14- | 27-21.3- | - | - | - | 5-1-6-3-6-3-3-1-2-4-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.40 | | |
| 16-44.3092-113.6075-2-11- | 0-1.19381-07/01/79-15- | 27-18.2- | - | - | - | 3-1-6-5-6-2-3-1-4-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.70 | | |
| 16-44.3675-113.6311-2-12- | 0-1.19382-07/01/79-16- | 27-12.3- | - | - | - | 3-1-6-3-6-4-3-1-2-4-3-2-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | |
| 16-44.3692-113.6278-2-12- | 0-1.19383-07/01/79-16- | 27-18.0- | - | - | - | 4-1-6-5-6-2-3-1-1-4-3-3-1-1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.70 | | |
| 16-44.4775-113.6172-2-12- | 0-1.19384-07/01/79-16- | 26-10.1- | - | - | - | 10-1-6-3-6-3-3-1-2-4-3-3-1-1- | - | - | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | | |
|-------------------|----------|-----------|---------|-------------|-----------|---|--|-----|-----|-----|----|-----|-----|----|----|-----|----|--|------------------------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts permillion (ppm) | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li |
| 16-44 | 9003 | -113.6292 | -2-15- | 0-119335 | -5 | -5 | -5 | 43 | -20 | -15 | 10 | -10 | -15 | 8 | -5 | 207 | 2 | 28 | | |
| 16-44 | 8872 | -113.6456 | -2-15- | 0-119336 | -5 | -5 | -5 | 33 | -20 | 15 | 5 | -10 | 20 | 12 | -5 | 213 | 2 | 22 | | |
| 16-44 | 9256 | -113.6417 | -2-12- | 0-119337 | -5 | -5 | -5 | 13 | -20 | -15 | 7 | -10 | -15 | 7 | -5 | 250 | 2 | 26 | | |
| 16-44 | 9250 | -113.7089 | -2-12- | 0-119338 | -5 | 10 | -5 | 24 | -20 | -15 | 7 | -10 | 22 | 7 | -5 | 453 | 2 | 21 | | |
| 16-44 | 9078 | -113.7303 | -2-11- | 0-119339 | -5 | -5 | -5 | 23 | -20 | -15 | 11 | -10 | -15 | 7 | -5 | 386 | 1 | 25 | | |
| 16-44 | 9247 | -113.7436 | -2-12- | 0-119340 | -5 | -5 | -5 | 88 | -20 | 16 | 12 | -10 | -15 | 5 | -5 | 341 | 2 | 22 | | |
| 16-44 | 9064 | -113.8322 | -2-11- | 0-119341 | -5 | -5 | -5 | 60 | 25 | -15 | 8 | -10 | -15 | 7 | -5 | 154 | 3 | 34 | | |
| 16-44 | 9139 | -113.8542 | -2-12- | 0-119342 | -5 | -5 | -5 | 18 | -20 | -15 | 17 | -10 | -15 | 7 | -5 | 176 | 2 | 40 | | |
| 16-44 | 9159 | -113.8547 | -2-12- | 0-119343 | -5 | 7 | -5 | 28 | 24 | -15 | 6 | -10 | -15 | 12 | -5 | 176 | -1 | 43 | | |
| 16-44 | 9297 | -113.7628 | -2-12- | 0-119344 | -5 | -5 | -5 | 54 | -20 | -15 | -5 | -10 | 17 | 9 | -5 | 283 | 2 | 28 | | |
| 16-44 | 7531 | -113.7906 | -2-12- | 0-119345 | -5 | 5 | -5 | 10 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 251 | 2 | 17 | | |
| 16-44 | 7303 | -113.7736 | -2-12- | 0-119346 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 402 | 1 | 8 | | |
| 16-44 | 7075 | -113.7697 | -2-12- | 0-119347 | -5 | -5 | -5 | 23 | -20 | -15 | -5 | -10 | -15 | 5 | -5 | 200 | 1 | 11 | | |
| 16-44 | 7058 | -113.7689 | -2-12- | 0-119348 | -5 | -5 | -5 | 18 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 183 | 2 | 11 | | |
| 16-44 | 7044 | -113.7553 | -2-12- | 0-119349 | -5 | -5 | -5 | -10 | 25 | -15 | -5 | -10 | -15 | 9 | -5 | 273 | 1 | 12 | | |
| 16-44 | 7014 | -113.7361 | -2-12- | 0-119350 | -5 | -5 | -5 | 33 | -20 | -15 | 20 | -10 | -15 | 7 | -5 | 157 | 2 | 17 | | |
| 16-44 | 7029 | -113.7236 | -2-12- | 0-119351 | -5 | 5 | -5 | 35 | 46 | -15 | -5 | -10 | -15 | 9 | -5 | 141 | 3 | 22 | | |
| 16-44 | 7247 | -113.7264 | -2-12- | 0-119352 | -5 | -5 | -5 | 24 | 28 | -15 | -5 | -10 | -15 | 11 | -5 | 463 | 1 | 14 | | |
| 16-44 | 7281 | -113.7289 | -2-12- | 0-119353 | -5 | -5 | -5 | 36 | 39 | -15 | 8 | -10 | 16 | -5 | -5 | 198 | 1 | 24 | | |
| 16-44 | 7256 | -113.7228 | -2-12- | 0-119354 | -5 | -5 | -5 | 15 | 28 | 16 | -5 | -10 | -15 | 6 | -5 | 167 | 2 | 15 | | |
| 16-44 | 7328 | -113.7111 | -2-11- | 0-119355 | -5 | -5 | -5 | 45 | 53 | 18 | 10 | -10 | -15 | 6 | -5 | 153 | 3 | 78 | | |
| 16-44 | 7436 | -113.7067 | -2-12- | 0-119356 | -5 | -5 | -5 | 27 | -20 | 15 | 7 | -10 | -15 | 6 | -5 | 154 | 2 | 25 | | |
| 16-44 | 7536 | -113.7122 | -2-12- | 0-119357 | -5 | -5 | -5 | 15 | -20 | -15 | 6 | -10 | -15 | -5 | -5 | 250 | 1 | 14 | | |
| 16-44 | 7919 | -113.7778 | -2-12- | 0-119358 | -5 | 5 | -5 | 68 | 26 | -15 | 9 | -10 | -15 | 11 | -5 | 164 | 3 | 87 | | |
| 16-44 | 7867 | -113.7689 | -2-12- | 0-119359 | -5 | -5 | -5 | 39 | 23 | -15 | 7 | -10 | -15 | -5 | -5 | 140 | 2 | 38 | | |
| 16-44 | 7814 | -113.7583 | -2-12- | 0-119360 | -5 | 5 | -5 | 20 | -20 | -15 | 8 | -10 | -15 | 6 | -5 | 169 | 2 | 15 | | |
| 16-44 | 7736 | -113.7422 | -2-12- | 0-119361 | -5 | -5 | -5 | 25 | 25 | -15 | 6 | -10 | -15 | -5 | -5 | 139 | 2 | 25 | | |
| 16-44 | 7717 | -113.7242 | -2-12- | 0-119362 | -5 | -5 | -5 | 84 | 28 | -15 | -5 | -10 | -15 | 13 | -5 | 161 | 2 | 46 | | |
| 16-44 | 7694 | -113.7075 | -2-12- | 0-119363 | -5 | 7 | -5 | 24 | -20 | 15 | 7 | -10 | -15 | -5 | -5 | 206 | -1 | 22 | | |
| 16-44 | 7589 | -113.7094 | -2-12- | 0-119364 | -5 | 6 | -5 | 14 | -20 | -15 | -5 | -10 | -15 | 6 | -5 | 225 | -1 | 18 | | |
| 16-44 | 7661 | -113.6853 | -2-11- | 0-119365 | -5 | -5 | -5 | 42 | 22 | -15 | 7 | -10 | -15 | -5 | -5 | 193 | -1 | 30 | | |
| 16-44 | 8039 | -113.7006 | -2-12- | 0-119366 | -5 | -5 | -5 | 38 | -20 | 33 | 6 | -10 | -15 | 7 | -5 | 196 | 1 | 34 | | |
| 16-44 | 8250 | -113.6461 | -2-15- | 0-119368 | -5 | 6 | -5 | 30 | 22 | -15 | 8 | -10 | -15 | -5 | -5 | 196 | 2 | 29 | | |
| 16-44 | 8128 | -113.6747 | -2-15- | 0-119369 | -5 | -5 | -5 | 25 | 20 | -15 | 13 | -10 | -15 | -5 | -5 | 238 | 2 | 68 | | |
| 16-44 | 8347 | -113.6736 | -2-12- | 0-119370 | -5 | -5 | -5 | 34 | 34 | 30 | 5 | -10 | -15 | 7 | -5 | 219 | 2 | 23 | | |
| 16-44 | 8017 | -113.6914 | -2-15- | 0-119371 | -5 | 5 | -5 | 35 | -20 | 19 | -5 | -10 | -15 | 10 | -5 | 165 | 2 | 28 | | |
| 16-44 | 4403 | -113.6214 | -2-12- | 0-119372 | -5 | -5 | -5 | 33 | -20 | -15 | 7 | -10 | -15 | 10 | -5 | 264 | 1 | 47 | | |
| 16-44 | 4206 | -113.6383 | -2-11- | 0-119373 | -5 | -5 | -5 | 20 | -20 | -15 | 8 | -10 | -15 | -5 | -5 | 153 | -1 | 18 | | |
| 16-44 | 3864 | -113.6203 | -2-15- | 0-119375 | -5 | 7 | -5 | 31 | -20 | 27 | 13 | -10 | -15 | 5 | -5 | 216 | 2 | 20 | | |
| 16-44 | 3775 | -113.6178 | -2-12- | 0-119376 | -5 | 5 | -5 | 24 | 34 | 22 | 7 | -10 | 19 | 5 | -5 | 289 | -1 | 35 | | |
| 16-44 | 3614 | -113.5803 | -2-15- | 0-119377 | -5 | -5 | -5 | 25 | 56 | -15 | 10 | -10 | -15 | 6 | -5 | 208 | -1 | 33 | | |
| 16-44 | 3564 | -113.5756 | -2-15- | 0-119379 | -5 | 10 | -5 | 14 | 23 | -15 | -5 | -10 | 19 | 10 | -5 | 275 | -1 | 42 | | |
| 16-44 | 3469 | -113.5781 | -2-11- | 0-119379 | -5 | -5 | -5 | 20 | -20 | -15 | 23 | -10 | -15 | -5 | -5 | 101 | -1 | 6 | | |
| 16-44 | 3258 | -113.6047 | -2-12- | 0-119380 | -5 | 8 | -5 | 22 | -20 | -15 | 9 | -10 | 16 | 10 | -5 | 201 | 2 | 30 | | |
| 16-44 | 3092 | -113.6075 | -2-11- | 0-119381 | -5 | -5 | -5 | 15 | 39 | -15 | 9 | -10 | -15 | 5 | -5 | 147 | -1 | 19 | | |
| 16-44 | 3675 | -113.6311 | -2-12- | 0-119382 | -5 | 6 | -5 | 26 | 23 | 50 | -5 | -10 | -15 | 9 | -5 | 129 | -1 | 27 | | |
| 16-44 | 3692 | -113.6278 | -2-12- | 0-119383 | -5 | -5 | -5 | 19 | 51 | -15 | -5 | -10 | 19 | -5 | -5 | 58 | -1 | 10 | | |
| 16-44 | 4775 | -113.6672 | -2-12- | 0-119384 | -5 | -5 | -5 | 41 | -20 | 22 | -5 | -10 | 18 | 10 | -5 | 331 | 2 | 27 | | |
| 16-44 | 4900 | -113.6611 | -2-11- | 0-119385 | -5 | -5 | -5 | 38 | -20 | 78 | 8 | -10 | -15 | 19 | -5 | 132 | 2 | 33 | | |
| 16-44 | 4794 | -113.6589 | -2-11- | 0-119386 | -5 | -5 | -5 | 11 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 103 | -1 | 11 | | |
| 16-44 | 4661 | -113.6450 | -2-12- | 0-119387 | -5 | -5 | -5 | 28 | -20 | 23 | 9 | -10 | 19 | -5 | -5 | 150 | -1 | 44 | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | | |
|--------------------------|----------|-----------|---------|-------------|-----------|--|---|------|-----|------|----|-----|-------|------|-------|----|------|----|----|---|----|----|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weigh: parts per million (ppm) | | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu | |
| 16-44.9003-113.6292-2-15 | 0-119335 | 69220 | -0.09 | 1026 | 27980 | 76 | -93 | 20.4 | 145 | 3.4 | 5 | 1.8 | 45420 | 8.3 | 22780 | 40 | 0.4 | | | | | | |
| 16-44.8872-113.6455-2-15 | 0-119336 | 58720 | -0.07 | 691 | 23510 | 90 | -98 | 21.2 | 185 | 3.3 | 4 | 2.0 | 46910 | 9.0 | 14560 | 42 | 0.4 | | | | | | |
| 16-44.9256-113.6417-2-12 | 0-119337 | 59020 | -0.07 | 913 | 22060 | 70 | 262 | 12.7 | 125 | 5.6 | 7 | 1.8 | 29210 | 9.6 | 20730 | 30 | 0.4 | | | | | | |
| 16-44.9250-113.7089-2-12 | 0-119338 | 54150 | -0.08 | 870 | 12200 | 90 | -79 | 9.5 | 102 | 5.0 | 7 | 1.9 | 24460 | 21.6 | 22780 | 33 | 0.6 | | | | | | |
| 16-44.9078-113.7303-2-11 | 0-119339 | 54450 | -0.07 | 552 | 9986 | 88 | 192 | 5.5 | 39 | 2.9 | 9 | 1.9 | 19020 | 16.8 | 17840 | 40 | 0.6 | | | | | | |
| 16-44.9247-113.7436-2-12 | 0-119340 | 59590 | -0.08 | 714 | 9921 | 91 | 245 | 7.3 | 41 | 3.4 | 7 | 1.7 | 22880 | 16.3 | 21380 | 39 | 0.6 | | | | | | |
| 16-44.9064-113.8322-2-11 | 0-119341 | 60600 | -0.09 | 781 | 16900 | 75 | 386 | 6.6 | 109 | 7.1 | 12 | 2.0 | 26130 | 5.1 | 12900 | 55 | 1.3 | | | | | | |
| 16-44.9139-113.8542-2-12 | 0-119342 | 71450 | -0.07 | 1028 | 21910 | 83 | 265 | 10.1 | 74 | 5.6 | 8 | 2.1 | 27450 | 6.9 | 15760 | 42 | 0.6 | | | | | | |
| 16-44.9158-113.8547-2-12 | 0-119343 | 75190 | -0.08 | 909 | 16810 | 65 | -119 | 12.8 | 153 | 4.8 | 8 | 2.1 | 32830 | 5.9 | 15260 | 42 | 0.5 | | | | | | |
| 16-44.9292-113.7628-2-12 | 0-119344 | 59730 | -0.08 | 811 | 9405 | 74 | 297 | 5.8 | 32 | 3.9 | 7 | 1.8 | 20490 | 10.1 | 20660 | 46 | 0.8 | | | | | | |
| 16-44.7531-113.7906-2-12 | 0-119345 | 45270 | -0.06 | 803 | 5903 | 50 | 200 | 3.5 | 28 | 9.3 | 5 | 1.4 | 15060 | 11.5 | 17910 | 30 | 0.3 | | | | | | |
| 16-44.7303-113.7736-2-12 | 0-119346 | 31200 | -0.04 | 405 | 3881 | 69 | 117 | 2.8 | 24 | 4.3 | 5 | 1.6 | 10810 | 19.0 | 11420 | 30 | 0.4 | | | | | | |
| 16-44.7075-113.7697-2-12 | 0-119347 | 35000 | -0.05 | 597 | 6013 | 46 | 112 | 3.5 | 35 | 4.4 | 4 | 1.0 | 14490 | 10.2 | 12560 | 22 | 0.3 | | | | | | |
| 16-44.7058-113.7689-2-12 | 0-119348 | 48070 | -0.06 | 670 | 14120 | 58 | -71 | 6.8 | 50 | 3.3 | 3 | 1.4 | 21560 | 8.1 | 16410 | 27 | 0.3 | | | | | | |
| 16-44.7044-113.7553-2-12 | 0-119349 | 40700 | -0.05 | 530 | 7831 | 67 | 84 | 5.5 | 45 | 3.8 | 5 | 1.3 | 17270 | 13.3 | 13660 | 34 | 0.4 | | | | | | |
| 16-44.7014-113.7361-2-12 | 0-119350 | 59250 | -0.08 | 1092 | 15740 | 61 | -91 | 8.5 | 56 | 11.0 | 5 | 1.9 | 33000 | 7.4 | 19250 | 29 | 0.5 | | | | | | |
| 16-44.7028-113.7336-2-12 | 0-119351 | 60090 | -0.08 | 908 | 44420 | 61 | -91 | 24.0 | 258 | 2.9 | 5 | 1.7 | 47270 | 5.0 | 18000 | 34 | 0.4 | | | | | | |
| 16-44.7247-113.7264-2-12 | 0-119352 | 52230 | -0.09 | 708 | 21570 | 88 | -85 | 11.5 | 137 | 3.6 | 6 | 1.7 | 32780 | 19.2 | 15490 | 32 | 0.6 | | | | | | |
| 16-44.7281-113.7289-2-12 | 0-119353 | 71860 | -0.08 | 1361 | 28730 | 83 | -127 | 16.7 | 80 | 3.9 | 6 | 2.1 | 41470 | 7.1 | 18290 | 31 | 0.4 | | | | | | |
| 16-44.7256-113.7228-2-12 | 0-119354 | 68670 | -0.07 | 930 | 10060 | 83 | -115 | 14.2 | 60 | 3.5 | 4 | 2.0 | 33620 | 7.0 | 17890 | 36 | 0.2 | | | | | | |
| 16-44.7328-113.7111-2-11 | 0-119355 | 66980 | -0.08 | 523 | 20720 | 62 | 196 | 6.8 | 67 | 8.9 | 8 | 1.6 | 28340 | 6.2 | 15090 | 36 | 0.6 | | | | | | |
| 16-44.7436-113.7067-2-12 | 0-119356 | 76170 | -0.09 | 1274 | 28050 | 74 | -98 | 14.0 | 99 | 4.9 | 5 | 2.1 | 37260 | 5.9 | 18430 | 39 | 0.4 | | | | | | |
| 16-44.7536-113.7122-2-12 | 0-119357 | 51660 | -0.08 | 938 | 18240 | 68 | -106 | 10.8 | 72 | 5.0 | 5 | 1.8 | 29070 | 11.5 | 18840 | 36 | 0.4 | | | | | | |
| 16-44.7919-113.7778-2-12 | 0-119358 | 73940 | -0.08 | 1399 | 10050 | 98 | 247 | 8.5 | 41 | 7.0 | 9 | 2.6 | 30720 | 8.2 | 19550 | 71 | 0.9 | | | | | | |
| 16-44.7867-113.7689-2-12 | 0-119359 | 54360 | -0.08 | 2186 | 15980 | 46 | 358 | 5.1 | 29 | 5.0 | 5 | 1.3 | 19940 | 5.0 | 21620 | 25 | 0.4 | | | | | | |
| 16-44.7814-113.7583-2-12 | 0-119360 | 44570 | -0.07 | 826 | 15450 | 57 | 190 | 5.2 | 31 | 3.0 | 4 | 1.0 | 19300 | 8.1 | 14780 | 23 | 0.3 | | | | | | |
| 16-44.7736-113.7422-2-12 | 0-119362 | 54680 | -0.10 | 1035 | 24800 | 61 | -131 | 13.9 | 46 | 4.6 | 5 | 1.0 | 38300 | 6.3 | 17700 | 27 | 0.4 | | | | | | |
| 16-44.7717-113.7242-2-12 | 0-119363 | 60590 | -0.07 | 1891 | 11730 | 98 | 230 | 10.4 | 48 | 7.5 | 7 | 1.6 | 32090 | 9.1 | 19040 | 34 | 0.5 | | | | | | |
| 16-44.7694-113.7075-2-12 | 0-119364 | 52500 | -0.06 | 343 | 10820 | 59 | -78 | 7.4 | 52 | 5.9 | 5 | 1.4 | 22000 | 8.7 | 16940 | 27 | 0.4 | | | | | | |
| 16-44.7589-113.7094-2-12 | 0-119365 | 42520 | -0.07 | 565 | 6290 | 70 | 145 | 5.5 | 30 | 6.3 | 5 | 1.4 | 17900 | 9.0 | 17610 | 31 | 0.4 | | | | | | |
| 16-44.7661-113.6853-2-11 | 0-119366 | 50390 | -0.08 | 1765 | 12010 | 74 | 278 | 10.1 | 35 | 6.7 | 6 | 1.0 | 27530 | 7.8 | 21660 | 30 | 0.4 | | | | | | |
| 16-44.8030-113.7006-2-12 | 0-119367 | 67150 | -0.08 | 1183 | 30710 | 75 | -118 | 18.3 | 158 | 4.2 | 5 | 2.2 | 40550 | 7.2 | 25570 | 33 | 0.4 | | | | | | |
| 16-44.8250-113.6461-2-15 | 0-119368 | 65330 | -0.07 | 1104 | 20960 | 64 | 150 | 13.4 | 101 | 3.8 | 5 | 1.1 | 34210 | 7.2 | 24840 | 29 | 0.4 | | | | | | |
| 16-44.8128-113.6747-2-15 | 0-119369 | 65260 | -0.08 | 910 | 14380 | 86 | 314 | 8.9 | 105 | 4.6 | 5 | 1.8 | 28470 | 9.5 | 22100 | 35 | 0.6 | | | | | | |
| 16-44.8347-113.6736-2-12 | 0-119370 | 67520 | -0.07 | 672 | 33690 | 71 | -111 | 18.7 | 303 | 3.2 | 6 | 1.9 | 40800 | 10.1 | 22280 | 36 | 0.5 | | | | | | |
| 16-44.8017-113.6914-2-15 | 0-119371 | 60460 | -0.09 | 970 | 50420 | 95 | -107 | 27.1 | 269 | -2.4 | 6 | 2.5 | 57010 | 8.0 | 21480 | 40 | 0.4 | | | | | | |
| 16-44.4403-113.6214-2-12 | 0-119372 | 62730 | -0.06 | 1120 | 8178 | 69 | 128 | 7.3 | 47 | 8.8 | 5 | 1.6 | 26520 | 11.0 | 22350 | 33 | 0.5 | | | | | | |
| 16-44.4206-113.6383-2-11 | 0-119373 | 44240 | -0.07 | 1952 | 28570 | 58 | 477 | 8.4 | 44 | 5.1 | 3 | 1.5 | 17220 | 7.5 | 17380 | 31 | 0.4 | | | | | | |
| 16-44.3864-113.6303-2-15 | 0-119375 | 70150 | -0.07 | 842 | 10180 | 68 | -79 | 7.8 | 54 | 11.0 | 6 | 1.5 | 27150 | 10.0 | 22440 | 28 | 0.5 | | | | | | |
| 16-44.3775-113.6178-2-12 | 0-119376 | 56210 | -0.06 | 813 | 8976 | 73 | 115 | 7.3 | 61 | 7.5 | 5 | 1.6 | 25610 | 13.7 | 19630 | 33 | 0.4 | | | | | | |
| 16-44.3614-113.5803-2-15 | 0-119377 | 57900 | -0.05 | 645 | 8364 | 56 | -79 | 6.9 | 52 | 3.9 | 5 | 1.4 | 22550 | 7.5 | 20990 | 30 | 0.4 | | | | | | |
| 16-44.3564-113.5756-2-15 | 0-119378 | 64520 | -0.07 | 721 | 6167 | 87 | 78 | 8.1 | 67 | 9.6 | 5 | 1.8 | 25510 | 13.5 | 23580 | 31 | 0.6 | | | | | | |
| 16-44.3469-113.5781-2-11 | 0-119379 | 35650 | -0.07 | 455 | 16640 | 32 | 186 | 4.2 | 44 | 4.0 | 3 | 0.9 | 12260 | 4.1 | 10930 | 16 | 0.2 | | | | | | |
| 16-44.3258-113.6047-2-12 | 0-119380 | 64600 | -0.06 | 763 | 11520 | 72 | 191 | 8.4 | 57 | 6.3 | 7 | 2.0 | 28420 | 9.7 | 15750 | 42 | 0.5 | | | | | | |
| 16-44.3092-113.6075-2-11 | 0-119381 | 52040 | -0.08 | 736 | 13990 | 53 | 440 | 4.4 | 31 | 3.4 | 4 | 1.0 | 16840 | 6.6 | 19510 | 23 | 0.3 | | | | | | |
| 16-44.3675-113.6311-2-12 | 0-119382 | 40260 | -0.07 | 700 | 79090 | 53 | 165 | 8.7 | 160 | 3.1 | 4 | 1.3 | 20970 | 5.3 | 14860 | 27 | 0.3 | | | | | | |
| 16-44.3692-113.6278-2-12 | 0-119383 | 9562 | -0.09 | 824 | 107400 | -6 | 296 | 11.3 | 20 | -1.9 | -2 | 0.6 | 11460 | 2.0 | -7968 | -7 | -0.1 | | | | | | |
| 16-44.4775-113.6672-2-12 | 0-119384 | 67490 | -0.09 | 1035 | 31930 | 93 | -115 | 21.9 | 385 | 6.8 | 5 | 2.4 | 54920 | 15.4 | 18760 | 43 | 0.4 | | | | | | |
| 16-44.4900-113.6611-2-11 | 0-119385 | 52090 | -0.07 | 1330 | 18680 | 91 | -58 | 9.2 | 130 | 6.3 | 5 | 1.8 | 28050 | 6.1 | 20350 | 46 | 0.4 | | | | | | |
| 16-44.4794-113.6589-2-11 | 0-119386 | 36700 | -0.08 | 1372 | 21680 | 40 | 170 | 4.5 | 50 | 3.2 | 4 | 0.4 | 14080 | 4.4 | 11100 | 37 | 0.2 | | | | | | |
| 16-44.4661-113.6450-2-12 | 0-119387 | 64760 | -0.08 | 777 | 12620 | 69 | -95 | 9.2 | 66 | 9.5 | 6 | 1.9 | 28430 | 6.6 | 12880 | 35 | 0.4 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO | |
|-------------------|----------|-----------|---------|-------------|-----------|---|---|-----|----|------|------|------|----|----|------|-------|-----|------|------|---------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | | Yb |
| 16-44 | 9002 | -113.6297 | -2-15- | 0-110335 | 11810 | 927 | 10780 | -33 | -2 | 15.5 | 7.3 | 495 | -1 | -1 | 10.7 | 4693 | 110 | 3.4 | 170 | 0.252 | |
| 16-44 | 8872 | -113.6456 | -2-15- | 0-110336 | 13070 | 935 | 10140 | 92 | -2 | 16.8 | 9.8 | -269 | -1 | -1 | 9.4 | 2660 | 87 | 3.4 | 101 | 0.277 | |
| 16-44 | 9256 | -113.6417 | -2-12- | 0-110337 | 10500 | 460 | 13870 | 84 | -2 | 10.6 | 6.7 | -229 | -1 | -1 | 10.1 | 3565 | 69 | 4.3 | 103 | 0.337 | |
| 16-44 | 9250 | -113.7085 | -2-12- | 0-110338 | 7542 | 379 | 10490 | 70 | -2 | 8.9 | 6.8 | -215 | -1 | 1 | 13.2 | 3441 | 55 | 5.2 | 44 | 0.614 | |
| 16-44 | 9078 | -113.7303 | -2-11- | 0-110339 | 5251 | 281 | 11250 | -27 | -2 | 7.2 | 7.6 | -214 | -2 | 2 | 11.6 | 3992 | 39 | 4.7 | 98 | 0.500 | |
| 16-44 | 9247 | -113.7436 | -2-12- | 0-110340 | 5354 | 498 | 10610 | -31 | -2 | 7.9 | 8.4 | -215 | -2 | -1 | 11.9 | 2794 | 47 | 4.6 | 72 | 2.672 | |
| 16-44 | 9054 | -113.8222 | -2-11- | 0-110341 | 6003 | 415 | 12940 | -36 | -2 | 13.4 | 12.8 | -270 | -2 | 2 | 11.9 | 2337 | 63 | 8.4 | 77 | 2.513 | |
| 16-44 | 9139 | -113.8542 | -2-12- | 0-110342 | 8054 | 794 | 17300 | -28 | -2 | 11.3 | 11.3 | 526 | -2 | -1 | 10.4 | 3485 | 63 | 4.1 | 105 | 0.875 | |
| 16-44 | 9158 | -113.8547 | -2-12- | 0-110343 | 8085 | 803 | 14190 | -38 | -2 | 13.5 | 7.8 | -338 | -2 | -1 | 10.9 | 3352 | 88 | 4.5 | -144 | 1.165 | |
| 16-44 | 9292 | -113.7628 | -2-12- | 0-110344 | 5563 | 361 | 11600 | 100 | -2 | 7.4 | 8.8 | -204 | -1 | -1 | 12.5 | 3104 | 40 | 4.1 | 90 | 3.008 | |
| 16-44 | 7531 | -113.7906 | -2-12- | 0-110345 | 4298 | 226 | 6870 | 70 | -1 | 5.6 | 4.7 | -182 | -1 | -1 | 8.1 | 2091 | 29 | 2.9 | -59 | 1.259 | |
| 16-44 | 7303 | -113.7726 | -2-12- | 0-110346 | 2414 | 121 | 3134 | -20 | -1 | 3.7 | 6.9 | -128 | -1 | -1 | 9.5 | 2861 | 28 | 3.5 | 38 | 0.495 | |
| 16-44 | 7075 | -113.7697 | -2-12- | 0-110347 | 3504 | 176 | 4836 | 46 | 1 | 4.9 | 4.6 | -141 | -1 | -1 | 6.8 | 3017 | 35 | 2.6 | -28 | 0.691 | |
| 16-44 | 7058 | -113.7689 | -2-12- | 0-110348 | 7288 | 364 | 7447 | -24 | -1 | 7.2 | 5.0 | -162 | -1 | -1 | 7.7 | 2816 | 57 | 3.3 | -45 | 0.571 | |
| 16-44 | 7044 | -113.7553 | -2-12- | 0-110349 | 5004 | 172 | 6451 | 59 | -1 | 5.7 | 6.7 | -140 | -1 | -1 | 8.9 | 2849 | 37 | 3.7 | 34 | 0.506 | |
| 16-44 | 7014 | -113.7361 | -2-12- | 0-110350 | 10580 | 505 | 8190 | 73 | -2 | 11.5 | 8.3 | -285 | -1 | -1 | 9.7 | 3887 | 88 | -1.5 | 70 | 0.412 | |
| 16-44 | 7028 | -113.7336 | -2-12- | 0-110351 | 22830 | 971 | 11430 | 92 | -2 | 24.1 | 7.1 | -289 | -1 | -1 | 7.9 | 4499 | 143 | 2.9 | -12 | 0.367 | |
| 16-44 | 7247 | -113.7264 | -2-12- | 0-110352 | 12140 | 605 | 8640 | 71 | -2 | 11.6 | 6.7 | -224 | -1 | -1 | 10.2 | 4958 | 92 | 4.7 | -19 | 0.559 | |
| 16-44 | 7281 | -113.7289 | -2-12- | 0-110353 | 13570 | 847 | 18470 | 68 | -2 | 13.4 | 7.4 | 765 | -1 | -1 | 9.2 | 4756 | 80 | 4.2 | 122 | 0.391 | |
| 16-44 | 7256 | -113.7228 | -2-12- | 0-110354 | 14370 | 721 | 14640 | 97 | -2 | 12.7 | 7.3 | 523 | -1 | -1 | 8.7 | 3526 | 93 | 3.9 | -74 | 0.575 | |
| 16-44 | 7328 | -113.7111 | -2-11- | 0-110355 | 6421 | 1522 | 6360 | 78 | -2 | 11.7 | 8.7 | -411 | -1 | -1 | 12.4 | 3247 | 54 | 4.6 | 89 | 1.040 | |
| 16-44 | 7436 | -113.7067 | -2-12- | 0-110356 | 11060 | 853 | 12000 | -34 | -2 | 14.8 | 7.2 | -256 | -1 | -1 | 9.8 | 4054 | 96 | -2.2 | 78 | 0.388 | |
| 16-44 | 7536 | -113.7122 | -2-12- | 0-110357 | 8095 | 472 | 9129 | -32 | -2 | 9.1 | 5.3 | -245 | -2 | -1 | 10.4 | 3034 | 63 | 4.8 | -80 | 0.481 | |
| 16-44 | 7919 | -113.7778 | -2-12- | 0-110358 | 5611 | 636 | 11520 | 76 | -2 | 9.6 | 22.8 | -332 | 3 | -1 | 14.8 | 2640 | 51 | 8.4 | 49 | 5.101 | |
| 16-44 | 7867 | -113.7689 | -2-12- | 0-110359 | 5276 | 729 | 10630 | -35 | -2 | 6.4 | 5.6 | -369 | -2 | -1 | 9.0 | 2375 | 33 | 3.8 | -39 | 1.200 | |
| 16-44 | 7814 | -113.7583 | -2-12- | 0-110360 | 4502 | 572 | 10740 | -29 | -2 | 4.9 | 3.2 | -236 | -2 | -1 | 5.0 | 2368 | 41 | 2.3 | | 0.620 | |
| 16-44 | 7736 | -113.7422 | -2-12- | 0-110362 | 9934 | 931 | 5971 | 100 | -2 | 13.3 | 5.3 | -342 | -2 | -1 | 8.5 | 3045 | 84 | 3.4 | 171 | 0.694 | |
| 16-44 | 7717 | -113.7242 | -2-12- | 0-110363 | 6295 | 1041 | 10030 | 116 | -2 | 9.8 | 13.5 | -378 | -1 | -1 | 11.8 | 3004 | 49 | 4.8 | 87 | 0.873 | |
| 16-44 | 7594 | -113.7075 | -2-12- | 0-110364 | 6224 | 448 | 8777 | 51 | -1 | 7.5 | 5.5 | -222 | -1 | -1 | 8.2 | 2884 | 47 | 3.7 | 71 | 0.780 | |
| 16-44 | 7589 | -113.7094 | -2-12- | 0-110365 | 6264 | 307 | 6616 | 50 | -1 | 5.7 | 6.2 | -163 | -1 | -1 | 10.0 | 2780 | 37 | 4.0 | -20 | 0.920 | |
| 16-44 | 7561 | -113.6853 | -2-11- | 0-110366 | 5818 | 760 | 11120 | 81 | 4 | 8.0 | 6.1 | -299 | -2 | -1 | 10.7 | 2878 | 47 | 4.5 | 124 | 0.692 | |
| 16-44 | 8230 | -113.7006 | -2-12- | 0-110367 | 14540 | 925 | 14670 | 77 | -2 | 14.2 | 8.7 | -356 | -1 | -1 | 9.6 | 4256 | 88 | 3.2 | 61 | 0.344 | |
| 16-44 | 8250 | -113.6461 | -2-15- | 0-110368 | 11300 | 746 | 14650 | 80 | -2 | 12.3 | 6.3 | -282 | -1 | -1 | 10.7 | 4226 | 89 | 3.2 | 164 | 0.327 | |
| 16-44 | 8128 | -113.6747 | -2-15- | 0-110369 | 7480 | 654 | 16600 | 127 | -2 | 9.5 | 7.1 | -240 | -1 | -1 | 11.7 | 2927 | 64 | 3.9 | 104 | 0.265 | |
| 16-44 | 8347 | -113.6736 | -2-12- | 0-110370 | 13200 | 766 | 14200 | 81 | -2 | 15.1 | 6.6 | 492 | -1 | -1 | 10.1 | 5173 | 110 | 2.9 | 99 | 0.317 | |
| 16-44 | 8017 | -113.6914 | -2-15- | 0-110371 | 26540 | 1144 | 12080 | 89 | -2 | 26.4 | 10.6 | -344 | -2 | -1 | 9.3 | 5070 | 148 | 2.7 | 74 | 0.237 | |
| 16-44 | 4403 | -113.6214 | -2-12- | 0-110372 | 7070 | 691 | 8546 | 89 | -1 | 9.3 | 7.0 | -255 | -1 | -1 | 12.3 | 3130 | 56 | 2.6 | 92 | 0.407 | |
| 16-44 | 4206 | -113.6283 | -2-11- | 0-110373 | 9756 | 219 | 8845 | -24 | -2 | 5.9 | 5.8 | -169 | -1 | -1 | 7.3 | 2284 | 53 | -1.6 | -40 | 4.753 | |
| 16-44 | 3564 | -113.6202 | -2-15- | 0-110375 | 6532 | 445 | 6240 | -29 | -2 | 10.6 | 5.0 | -204 | -1 | -1 | 10.0 | 3200 | 59 | 3.1 | 136 | 0.500 | |
| 16-44 | 3775 | -113.6178 | -2-12- | 0-110376 | 7428 | 474 | 7472 | 72 | -1 | 8.7 | 7.4 | -225 | -1 | -1 | 11.8 | 3694 | 61 | 3.2 | 72 | 0.347 | |
| 16-44 | 3614 | -113.5803 | -2-15- | 0-110377 | 5417 | 684 | 8967 | 67 | -1 | 7.7 | 6.0 | -246 | -1 | -1 | 9.6 | 3756 | 60 | 2.8 | 128 | 0.333 | |
| 16-44 | 3564 | -113.5756 | -2-15- | 0-110378 | 7813 | 448 | 4956 | 67 | -2 | 9.3 | 6.7 | -160 | -1 | -1 | 12.7 | 3441 | 62 | 4.2 | 73 | 0.488 | |
| 16-44 | 3469 | -113.5781 | -2-11- | 0-110379 | 5035 | 251 | 3149 | -27 | -2 | 5.7 | 3.0 | -200 | -2 | -1 | 5.1 | 1913 | 32 | -1.4 | 143 | 0.373 | |
| 16-44 | 3258 | -113.6047 | -2-12- | 0-110380 | 6035 | 591 | 7011 | -27 | -2 | 10.8 | 9.6 | -263 | -2 | -1 | 11.4 | 2780 | 59 | 4.3 | 107 | 0.386 | |
| 16-44 | 3092 | -113.6075 | -2-11- | 0-110381 | 5260 | 485 | 9183 | -35 | -2 | 6.4 | 3.0 | -312 | -2 | -1 | 7.7 | 2889 | 40 | -1.6 | 87 | 0.610 | |
| 16-44 | 3675 | -113.6311 | -2-12- | 0-110382 | 27310 | 383 | 5365 | 45 | -2 | 9.0 | 4.9 | -170 | -1 | -1 | 7.1 | 2524 | 111 | 2.7 | -40 | 0.465 | |
| 16-44 | 3692 | -113.6278 | -2-12- | 0-110383 | 6380 | 2236 | 1641 | -38 | -2 | 1.5 | -0.6 | -602 | -2 | -1 | -1.4 | -1732 | -24 | -1.6 | -59 | | |
| 16-44 | 4775 | -113.6472 | -2-12- | 0-110384 | 16300 | 970 | 15320 | 87 | -2 | 18.4 | 10.2 | -346 | -1 | -1 | 13.8 | 4534 | 151 | 3.3 | 166 | 0.565 | |
| 16-44 | 4900 | -113.6411 | -2-11- | 0-110385 | 8365 | 521. | 3410 | 67 | -2 | 9.0 | 5.9 | -179 | -2 | -1 | 8.9 | 3002 | 224 | 3.0 | 289 | 0.416 | |
| 16-44 | 4794 | -113.6589 | -2-11- | 0-110386 | 10790 | 194 | 6458 | -29 | -2 | 5.5 | 5.9 | -206 | -2 | -1 | 6.4 | 1614 | 34 | -1.6 | 173 | 7.281 | |
| 16-44 | 4661 | -113.6456 | -2-12- | 0-110387 | 7761 | 547 | 6709 | -33 | -2 | 10.6 | 7.8 | -311 | -2 | 2 | 9.2 | 3022 | 62 | 3.9 | 57 | 0.598 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

①

| DOE SAMPLE NUMBER | | | | | | LASL SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|---------|--|--------------|------|-----------------|-------------------|----------|----------------------|------|------------------------|-------------------------|-------------|------------|----------------|----------------|------------|-------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | OFFSITE | LASL SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SCINTILLOMETER (dL/ppm) | ROCK TYPE | ROCK COLOR | SUBSTRATE 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 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44.4508 | -113.6236 | -2-11- | 0-110300 | -07/01/79 | -19- | 27-18.2- | - | - | 7.9- | - | - | - | 267- | 10-2-6-5-6-2-3-1- | -4-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | |
| 16-44.5025 | -113.6231 | -2-11- | 0-110300 | -07/01/79 | -19- | 26-12.7- | - | - | 8.0- | - | - | - | 82- | 6-2-6-5-6-2-3-1- | -4-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.00 | | |
| 16-44.4708 | -113.6459 | -2-15- | 0-110300 | -07/01/79 | -19- | 25- | - | - | - | - | - | - | - | 3-2-6-3-6-1- | -2-4-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.40 | | |
| 16-44.7332 | -113.9234 | -2-12- | 0-110301 | -07/02/79 | -15- | 27- 7.5- | - | - | 7.7- | - | - | - | 5- | 5-2-6-2-6-3-1- | -2-2-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9.30 | | |
| 16-44.7319 | -113.9522 | -2-15- | 0-110302 | -07/02/79 | -14- | 29- | - | - | - | - | - | - | - | 10-2-6-5-6-1- | -2-3-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | |
| 16-44.0192 | -113.7767 | -2-15- | 0-110303 | -07/02/79 | -21- | 24- | - | - | - | - | - | - | - | 6-4-7-4-7- | -1- | -2-3-3-2-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | |
| 16-44.2842 | -113.5957 | -2-11- | 0-110304 | -07/01/79 | -25- | 27-23.2- | - | - | 7.6- | - | - | - | 57- | 10-1-6-5-6-2-1- | -4-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9.80 | | |
| 16-44.6303 | -113.7642 | -2-12- | 0-110305 | -06/30/79 | -17- | 24-11.1- | - | - | 9.4- | - | - | - | 32- | 11-4-7-5-8-3-2-1- | -2-2-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 23.30 | | |
| 16-44.5669 | -113.6272 | -2-12- | 0-110306 | -07/02/79 | -15- | 25- 8.4-C- | - | - | 4.9- | - | - | - | 44- | 14-2-7-4-6-4-3-1- | -2-1-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 9.00 | | |
| 16-44.5344 | -113.6811 | -2-12- | 0-110307 | -07/02/79 | -15- | 26- 6.3-C- | - | - | 6.1- | - | - | - | 19- | 9-2-1-7-8-4-3-1- | -2-2-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 24.40 | | |
| 16-44.5222 | -113.7060 | -2-12- | 0-110308 | -07/02/79 | -16- | 27- 9.5- | - | - | 5.5- | - | - | - | 54- | 15-2-1-4-7-3-3-1- | -2-2-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.10 | | |
| 16-44.4206 | -113.7640 | -2-11- | 0-110309 | -07/02/79 | -16- | 27-11.7-C- | - | - | 6.3- | - | - | - | 232- | 7-4-7-5-8-3- | -1- | -2-3-1-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.20 | | |
| 16-44.4014 | -113.7214 | -2-11- | 0-110300 | -07/02/79 | -16- | 29- 9.3-C- | - | - | 9.6- | - | - | - | 243- | 8-4-7-5-8-2-1- | -3-3-1-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | |
| 16-44.2972 | -113.7203 | -2-12- | 0-110402 | -07/02/79 | -17- | 28-16.3- | - | - | 6.4- | - | - | - | 235- | 9-4-7-5-8-2-2-1- | -2-2-3-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | |
| 16-44.3909 | -113.7056 | -2-12- | 0-110403 | -07/02/79 | -17- | 26-16.3- | - | - | 7.0- | - | - | - | 232- | 7-4-7-4-8-3-3-1- | -2-3-3-1-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | |
| 16-44.4025 | -113.7036 | -2-12- | 0-110404 | -07/02/79 | -17- | 26-17.9- | - | - | 7.3- | - | - | - | 416- | 5-4-1-5-8-3-3-1- | -1-3-3-1-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | |
| 16-44.4036 | -113.7039 | -2-12- | 0-110405 | -07/02/79 | -17- | 27-18.1- | - | - | 7.9- | - | - | - | 519- | 8-4-1-5-8-3-3-1- | -2-3-3-2-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | |
| 16-44.3469 | -113.7142 | -2-15- | 0-110406 | -07/02/79 | -18- | 27- | - | - | - | - | - | - | - | 12-2-7-4-6- | -1- | -2-3-3-1-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | |
| 16-44.3461 | -113.7178 | -2-15- | 0-110407 | -07/02/79 | -18- | 27- | - | - | - | - | - | - | - | 12-2-7-4-6- | -1- | -2-3-3-1-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | |
| 16-44.3136 | -113.6753 | -2-15- | 0-110408 | -07/02/79 | -18- | 27- | - | - | - | - | - | - | - | 3-4-1-4-6- | -1- | -2-3-3-1-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | |
| 16-44.5522 | -113.7436 | -2-11- | 0-110409 | -07/02/79 | -20- | 23-10.7-C- | - | - | 7.9- | - | - | - | 31- | 8-4-3-5-8-2-2-1- | -3-3-4-3- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16.60 | | |
| 16-44.1444 | -113.2558 | -2-12- | 0-110410 | -07/03/79 | -19- | 26-20.7- | - | - | 8.1- | - | - | - | 303- | 8-4-7-4-6-3-1- | -2-3-3-1-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | |
| 16-44.1411 | -113.3508 | -2-15- | 0-110411 | -07/03/79 | -19- | 25- | - | - | - | - | - | - | - | 10-2-7-4-6- | -1- | -2-3-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.60 | |
| 16-44.1458 | -113.3625 | -2-12- | 0-110412 | -07/03/79 | -19- | 25-20.3- | - | - | 8.2- | - | - | - | 297- | 12-4-7-5-6-3-3-1- | -2-3-3-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | |
| 16-44.1497 | -113.3608 | -2-12- | 0-110413 | -07/03/79 | -19- | 25-17.9- | - | - | 8.3- | - | - | - | 283- | 7-4-7-5-8-3-3-1- | -2-3-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | |
| 16-44.1147 | -113.3858 | -2-15- | 0-110414 | -07/03/79 | -22- | 22- | - | - | - | - | - | - | - | 5-4-7-4-6- | -1- | -2-3-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | |
| 16-44.0797 | -113.4208 | -2-15- | 0-110415 | -07/03/79 | -20- | 24- | - | - | - | - | - | - | - | 8-2-3-4-6- | -1- | -2-3-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | |
| 16-44.0681 | -113.4142 | -2-15- | 0-110416 | -07/03/79 | -20- | 23- | - | - | - | - | - | - | - | 7-2-7-4-6- | -1- | -2-3-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | |
| 16-44.0653 | -113.4253 | -2-12- | 0-110417 | -07/03/79 | -21- | 23-14.9- | - | - | 8.3- | - | - | - | 233- | 8-3-7-5-6-3-3-1- | -2-4-2-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.10 | |
| 16-44.0628 | -113.4250 | -2-12- | 0-110418 | -07/03/79 | -21- | 23-12.3-C- | - | - | 8.2- | - | - | - | 253- | 8-3-7-3-6-2-2-1- | -2-2-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | |
| 16-44.0608 | -113.4211 | -2-12- | 0-110419 | -07/03/79 | -21- | 23-15.0- | - | - | 8.2- | - | - | - | 255- | 17-3-7-5-8-3-3-1- | -2-2-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.60 | |
| 16-44.0986 | -113.8711 | -2-12- | 0-110420 | -07/01/79 | -10- | 20- 5.3- | - | - | 6.4- | - | - | - | 21- | 9-2-5-2-6-3-3-1- | -1-1-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.50 | |
| 16-44.9508 | -113.8500 | -2-12- | 0-110421 | -07/01/79 | -16- | 19- 5.4- | - | - | 7.4- | - | - | - | 17- | 9-2-5-2-6-3-3-1- | -2-1-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.20 | |
| 16-44.9553 | -113.8503 | -2-12- | 0-110422 | -07/01/79 | -17- | 19- 7.0- | - | - | 7.1- | - | - | - | 18- | 13-2-5-2-6-3-3-1- | -2-1-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 13.50 | |
| 16-44.9600 | -113.8494 | -2-12- | 0-110423 | -07/01/79 | -18- | 18- 5.3- | - | - | 7.2- | - | - | - | 11- | 14-2-6-2-6-3-3-1- | -2-1-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 27.00 | |
| 16-44.9942 | -113.9478 | -2-12- | 0-110424 | -07/02/79 | -14- | 21- 5.1- | - | - | 7.2- | - | - | - | 98- | 17-2-5-2-7-2-2-1- | -1-3-2-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 11.50 | |
| 16-44.9761 | -113.9500 | -2-12- | 0-110425 | -07/02/79 | -15- | 21- 4.2- | - | - | 8.0- | - | - | - | 83- | 13-2-6-2-6-3-3-1- | -2-3-2-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 14.70 | |
| 16-44.6117 | -113.7275 | -2-12- | 0-110426 | -07/02/79 | -15- | 17- 5.5- | - | - | 7.7- | - | - | - | 42- | 1-2-6-2-6-4-3-1- | -2-1-3-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 52.90 | |
| 16-44.6153 | -113.7289 | -2-12- | 0-110427 | -07/02/79 | -16- | 17- 6.0- | - | - | 8.0- | - | - | - | 10- | 3-2-6-2-1-4-3-1- | -2-1-3-3-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.10 | |
| 16-44.6086 | -113.7386 | -2-15- | 0-110428 | -07/02/79 | -17- | 17- | - | - | - | - | - | - | - | 4-2-7-1-7- | -1- | -2-3-2-4-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 10.50 |
| 16-44.6025 | -113.7297 | -2-12- | 0-110429 | -07/02/79 | -18- | 17- 5.9- | - | - | 8.4- | - | - | - | 42- | 1-2-6-2-7-4-3-1- | -2-2-4-3-3- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | |
| 16-44.4519 | -113.4433 | -2-11- | 0-110430 | -07/03/79 | -16- | 19- 4.4- | - | - | 8.3- | - | - | - | 204- | 5-2-1-2-1-2-3-1- | -1-1-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 30.80 | |
| 16-44.4522 | -113.4739 | -2-11- | 0-110431 | -07/03/79 | -18- | 19-12.5- | - | - | 8.5- | - | - | - | 55- | 9- 7-5-8-2-3-1- | -1-1-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12.80 | |
| 16-44.4356 | -113.4556 | -2-11- | 0-110432 | -07/03/79 | -18- | 18- 3.0- | - | - | 8.1- | - | - | - | 22- | 2-2-6-5-8-2-3-1- | -1-1-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 6.80 | |
| 16-44.4219 | -113.4447 | -2-11- | 0-110433 | -07/03/79 | -20- | 17- 8.2- | - | - | 7.9- | - | - | - | 24- | 4-2-6-2-6-2-3-1- | -1-1-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 28.90 | |
| 16-44.0722 | -113.4247 | -2-12- | 0-110434 | -07/04/79 | -14- | 20-10.1- | - | - | 8.6- | - | - | - | 266- | 9-2-6-2-7-4-3-1- | -1-1-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 5.20 | |
| 16-44.0792 | -113.4242 | -2-12- | 0-110435 | -07/04/79 | -14- | 20- 9.4- | - | - | 8.4- | - | - | - | 192- | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE REPLICATE | DOE LAB LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|-----------|-----------|----------|-------------|-----------|-------------------------------------|----------------------------|---|-----|-----|-----|------|----|----|-----|----|----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sr | W | As | Se | Zr | Be | Li | | |
| 16-44.4508 | -113.6256 | -2-11- | 0-110300 | -5 | -5 | -5 | 53 | -20 | -15 | 18 | -10 | -15 | -5 | -5 | 65 | -1 | 10 | | | | | | |
| 16-44.5025 | -113.6831 | -2-11- | 0-110300 | -5 | -5 | -5 | 33 | 32 | -15 | 8 | -10 | -15 | 5 | -5 | 148 | -1 | 40 | | | | | | |
| 16-44.4709 | -113.6969 | -2-15- | 0-110300 | -5 | 5 | -5 | 24 | -20 | -15 | 8 | -10 | -15 | 5 | -5 | 275 | 1 | 30 | | | | | | |
| 16-44.7333 | -113.9294 | -2-12- | 0-110301 | -5 | -5 | -5 | 18 | -20 | -15 | 9 | -10 | 15 | -5 | -5 | 141 | -1 | 16 | | | | | | |
| 16-44.7319 | -113.9522 | -2-15- | 0-110302 | -5 | -5 | -5 | 17 | 27 | -15 | 5 | -10 | -15 | -5 | -5 | 176 | 3 | 33 | | | | | | |
| 16-44.0192 | -113.7767 | -2-15- | 0-110303 | -5 | -5 | -5 | 66 | 25 | 31 | 32 | -10 | -15 | 14 | -5 | 79 | 2 | 13 | | | | | | |
| 16-44.2842 | -113.5967 | -2-11- | 0-110304 | -5 | 8 | -5 | 40 | -20 | 23 | 10 | -10 | 24 | 18 | -5 | 319 | 4 | 38 | | | | | | |
| 16-44.9303 | -113.7642 | -2-12- | 0-110305 | 5 | -5 | -5 | 20 | -20 | 27 | 9 | -10 | -15 | 6 | -5 | 490 | -1 | 22 | | | | | | |
| 16-44.5669 | -113.6372 | -2-12- | 0-110306 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 446 | -1 | 30 | | | | | | |
| 16-44.5344 | -113.6811 | -2-12- | 0-110307 | -5 | 8 | -5 | 112 | -20 | -15 | 120 | -10 | 104 | -5 | -5 | 154 | -1 | 17 | | | | | | |
| 16-44.5222 | -113.7069 | -2-12- | 0-110308 | 8 | 26 | 21 | 325 | -20 | -15 | 359 | -10 | 1874 | -5 | 14 | 189 | 6 | 89 | | | | | | |
| 16-44.4206 | -113.7469 | -2-11- | 0-110309 | -5 | 5 | -5 | 19 | -20 | 23 | 9 | -10 | -15 | 10 | -5 | 187 | 1 | 36 | | | | | | |
| 16-44.4014 | -113.7214 | -2-11- | 0-110400 | -5 | -5 | -5 | 73 | -20 | -15 | 6 | -10 | -15 | -5 | -5 | 81 | -1 | 15 | | | | | | |
| 16-44.3972 | -113.7203 | -2-12- | 0-110402 | -5 | 8 | -5 | 30 | -20 | 55 | 11 | -10 | -15 | 15 | -5 | 113 | 2 | 14 | | | | | | |
| 16-44.3989 | -113.7056 | -2-12- | 0-110403 | -5 | 5 | -5 | 22 | -20 | 39 | 7 | -10 | -15 | 8 | -5 | 133 | -1 | 20 | | | | | | |
| 16-44.4025 | -113.7036 | -2-12- | 0-110404 | -5 | -5 | -5 | 29 | -20 | 32 | 13 | -10 | -15 | -5 | -5 | 160 | 2 | 24 | | | | | | |
| 16-44.4086 | -113.7039 | -2-12- | 0-110405 | -5 | 7 | -5 | 13 | -20 | -15 | 6 | -10 | 17 | -5 | -5 | 214 | 1 | 22 | | | | | | |
| 16-44.3469 | -113.7142 | -2-15- | 0-110406 | -5 | 5 | -5 | 29 | -20 | 32 | 10 | -10 | 15 | 8 | -5 | 202 | 2 | 33 | | | | | | |
| 16-44.3461 | -113.7178 | -2-15- | 0-110407 | -5 | 5 | -5 | 32 | -20 | 31 | 10 | -10 | -15 | 6 | -5 | 157 | 2 | 38 | | | | | | |
| 16-44.3136 | -113.6753 | -2-15- | 0-110408 | -5 | -5 | -5 | 35 | -20 | 20 | -5 | -10 | -15 | 7 | -5 | 130 | 1 | 28 | | | | | | |
| 16-44.5522 | -113.7436 | -2-11- | 0-110409 | -5 | -5 | -5 | 68 | -20 | -15 | 50 | -10 | -15 | -5 | -5 | 146 | 2 | 46 | | | | | | |
| 16-44.1444 | -113.2558 | -2-12- | 0-110410 | -5 | 6 | -5 | 25 | -20 | 20 | 7 | -10 | 22 | 6 | -5 | 145 | 1 | 19 | | | | | | |
| 16-44.1411 | -113.3508 | -2-15- | 0-110411 | -5 | -5 | -5 | 31 | -20 | -15 | 7 | -10 | -15 | 12 | -5 | 163 | 2 | 30 | | | | | | |
| 16-44.1458 | -113.3625 | -2-12- | 0-110412 | -5 | -5 | -5 | 27 | 34 | 40 | 9 | -10 | -15 | -5 | -5 | 202 | 2 | 22 | | | | | | |
| 16-44.1497 | -113.3608 | -2-12- | 0-110413 | -5 | -5 | -5 | -10 | -20 | 42 | 8 | -10 | -15 | -5 | -5 | 137 | -1 | 26 | | | | | | |
| 16-44.1142 | -113.3858 | -2-15- | 0-110414 | -5 | -5 | -5 | 31 | -20 | 16 | 8 | -10 | -15 | 5 | -5 | 213 | -1 | 39 | | | | | | |
| 16-44.0797 | -113.4008 | -2-15- | 0-110415 | -5 | -5 | -5 | 32 | -20 | 19 | 10 | -10 | -15 | 12 | -5 | 136 | -1 | 31 | | | | | | |
| 16-44.0681 | -113.4142 | -2-15- | 0-110416 | -5 | -5 | -5 | 27 | -20 | 16 | 11 | -10 | -15 | 8 | -5 | 177 | 2 | 30 | | | | | | |
| 16-44.0653 | -113.4353 | -2-12- | 0-110417 | -5 | 5 | -5 | 17 | -20 | 96 | 5 | -10 | -15 | 9 | -5 | 133 | -1 | 21 | | | | | | |
| 16-44.0628 | -113.4350 | -2-12- | 0-110418 | -5 | -5 | -5 | 40 | -20 | 57 | -5 | -10 | -15 | 10 | -5 | 184 | -1 | 30 | | | | | | |
| 16-44.0608 | -113.4311 | -2-12- | 0-110419 | -5 | -5 | -5 | 25 | -20 | 30 | -5 | -10 | -15 | 6 | -5 | 192 | 1 | 25 | | | | | | |
| 16-44.9986 | -113.8711 | -2-12- | 0-110420 | -5 | -5 | -5 | 15 | 38 | -15 | 16 | -10 | -15 | 7 | -5 | 228 | 2 | 22 | | | | | | |
| 16-44.9508 | -113.8500 | -2-12- | 0-110421 | -5 | -5 | -5 | 32 | -20 | -15 | 22 | -10 | -15 | -5 | -5 | 227 | -1 | 76 | | | | | | |
| 16-44.9553 | -113.8503 | -2-12- | 0-110422 | -5 | -5 | -5 | 32 | -20 | -15 | 18 | -10 | -15 | 5 | -5 | 235 | 3 | 32 | | | | | | |
| 16-44.9600 | -113.8494 | -2-12- | 0-110423 | -5 | -5 | -5 | 34 | 35 | -15 | 5 | -10 | 19 | 9 | -5 | 251 | -1 | 31 | | | | | | |
| 16-44.9842 | -113.9478 | -2-12- | 0-110424 | -5 | -5 | -5 | 37 | 21 | -15 | 14 | -10 | -15 | 12 | -5 | 164 | 2 | 44 | | | | | | |
| 16-44.9761 | -113.9500 | -2-12- | 0-110425 | -5 | -5 | -5 | 44 | -20 | 19 | 9 | -10 | -15 | 7 | -5 | 158 | -1 | 25 | | | | | | |
| 16-44.6117 | -113.7275 | -2-12- | 0-110426 | -5 | -5 | -5 | 29 | 24 | -15 | 10 | -10 | -15 | -5 | -5 | 220 | -1 | 51 | | | | | | |
| 16-44.6153 | -113.7289 | -2-12- | 0-110427 | -5 | 5 | -5 | 26 | -20 | -15 | -5 | -10 | 25 | 7 | -5 | 244 | -1 | 45 | | | | | | |
| 16-44.6086 | -113.7386 | -2-15- | 0-110428 | -5 | 5 | -5 | 22 | 22 | -15 | -5 | -10 | -15 | 7 | -5 | 212 | -1 | 41 | | | | | | |
| 16-44.6025 | -113.7397 | -2-12- | 0-110429 | -5 | -5 | -5 | 25 | -20 | -15 | 14 | -10 | -15 | 38 | -5 | 74 | -1 | 15 | | | | | | |
| 16-44.4619 | -113.4433 | -2-11- | 0-110430 | -5 | -5 | -5 | 27 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 84 | -1 | 16 | | | | | | |
| 16-44.4522 | -113.4739 | -2-11- | 0-110431 | -5 | -5 | -5 | 51 | -20 | 17 | 9 | -10 | 16 | 17 | -5 | 151 | -1 | 36 | | | | | | |
| 16-44.4356 | -113.4656 | -2-11- | 0-110432 | -5 | 6 | 5 | 34 | -20 | 37 | 11 | -10 | -15 | 11 | -5 | 165 | 2 | 32 | | | | | | |
| 16-44.4219 | -113.4467 | -2-11- | 0-110433 | -5 | -5 | -5 | 28 | 28 | -15 | 10 | -10 | -15 | -5 | -5 | 84 | 1 | 16 | | | | | | |
| 16-44.0772 | -113.6247 | -2-12- | 0-110434 | -5 | 6 | -5 | 54 | -20 | 77 | -5 | -10 | -15 | 24 | -5 | 116 | -1 | 20 | | | | | | |
| 16-44.0792 | -113.6242 | -2-12- | 0-110435 | -5 | 6 | -5 | 28 | -20 | 54 | 7 | -10 | -15 | 15 | -5 | 134 | 1 | 16 | | | | | | |
| 16-44.0958 | -113.6108 | -2-15- | 0-110436 | -5 | -5 | -5 | 53 | -20 | 58 | -5 | -10 | -15 | 12 | -5 | 102 | -1 | 18 | | | | | | |
| 16-44.1217 | -113.5522 | -2-12- | 0-110437 | -5 | -5 | -5 | 14 | -20 | 30 | -5 | -10 | -15 | 17 | -5 | 68 | -1 | 10 | | | | | | |
| 16-44.0889 | -113.5522 | -2-12- | 0-110438 | -5 | -5 | -5 | 29 | -20 | 64 | -5 | -10 | -15 | 15 | -5 | 95 | -1 | 17 | | | | | | |
| 16-44.0594 | -113.5633 | -2-12- | 0-110439 | -5 | -5 | -5 | 14 | -20 | -15 | -5 | -10 | -15 | 12 | -5 | 70 | -1 | 18 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-----------|----------------------------|--|------|--------|-----|------|------|-----|------|----|-----|-------|------|-------|-----|------|----|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu | |
| 16-44.4508 | -113.5256 | -2-11- | J-119299 | | | 23810 | -0.07 | 1214 | 32850 | 19 | 176 | 4.6 | 21 | 4.5 | 3 | 0.6 | 10130 | -0.9 | 6673 | 14 | -0.1 | | |
| 16-44.5025 | -113.6831 | -2-11- | J-119299 | | | 65190 | -0.09 | 914 | 15200 | 70 | 261 | 8.8 | 65 | 5.8 | 4 | 1.4 | 23240 | 5.9 | 18480 | 30 | 0.3 | | |
| 16-44.4708 | -113.6969 | -2-15- | J-119290 | | | 59560 | -0.07 | 1077 | 27830 | 85 | -99 | 14.1 | 151 | 6.8 | 5 | 2.0 | 34510 | 11.4 | 19670 | 47 | 0.4 | | |
| 16-44.7333 | -113.9294 | -2-12- | J-119291 | | | 28470 | -0.07 | 330 | 19400 | 40 | 220 | 6.3 | 69 | 2.2 | 3 | 1.1 | 14270 | 7.7 | 9287 | 21 | 0.2 | | |
| 16-44.7319 | -113.9522 | -2-15- | J-119302 | | | 62690 | -0.08 | 769 | 27900 | 71 | 330 | 12.9 | 80 | 3.6 | 5 | 1.7 | 32740 | 5.7 | 21200 | 30 | 0.3 | | |
| 16-44.0192 | -113.7767 | -2-15- | J-119293 | | | 24380 | -0.05 | 5804 | 132400 | 33 | 156 | 8.2 | 59 | 3.5 | 2 | 1.8 | 16270 | 3.5 | 10700 | 20 | 0.2 | | |
| 16-44.2842 | -113.5967 | -2-11- | J-119294 | | | 92880 | -0.10 | 491 | 8306 | 183 | -84 | 10.9 | 51 | 7.5 | 13 | 2.6 | 39490 | 12.0 | 14070 | 63 | 1.0 | | |
| 16-44.9303 | -113.7642 | -2-12- | J-119295 | | | 52350 | C.66 | 836 | 8785 | 93 | 188 | 5.7 | 117 | 7.2 | 6 | 2.0 | 19100 | 24.9 | 19950 | 42 | 0.8 | | |
| 16-44.5669 | -113.6372 | -2-12- | D-119296 | | | 46770 | -0.07 | 1734 | 3704 | 94 | -84 | 4.8 | 47 | 12.4 | 8 | 1.2 | 20810 | 21.1 | 23100 | 35 | 0.6 | | |
| 16-44.5344 | -113.6811 | -2-12- | J-119297 | | | 41840 | -0.10 | 687 | 23000 | 52 | -97 | 5.0 | 46 | 12.8 | 4 | 1.1 | 16260 | 7.9 | 14090 | 26 | 0.3 | | |
| 16-44.5222 | -113.7069 | -2-12- | J-119298 | | | 28800 | -0.07 | 331 | 11010 | 47 | -118 | 5.7 | 25 | 10.6 | 3 | 0.9 | 19070 | 11.0 | 14450 | 23 | 0.5 | | |
| 16-44.4206 | -113.7469 | -2-11- | D-119299 | | | 74760 | -0.08 | 989 | 32580 | 55 | 394 | 6.7 | 64 | 3.3 | 4 | 1.5 | 23580 | 7.8 | 10540 | 28 | 0.4 | | |
| 16-44.4014 | -113.7214 | -2-11- | D-119300 | | | 29500 | -0.06 | 537 | 137100 | 29 | 255 | 4.1 | 72 | 2.5 | 3 | 0.8 | 14300 | 3.3 | 13200 | 16 | 0.2 | | |
| 16-44.3972 | -113.7203 | -2-12- | D-119301 | | | 36450 | -0.07 | 701 | 99730 | 62 | -65 | 9.0 | 217 | 2.2 | 4 | 1.2 | 22560 | 4.7 | 14360 | 30 | 0.3 | | |
| 16-44.3989 | -113.7056 | -2-12- | D-119302 | | | 37670 | -0.07 | 685 | 83510 | 46 | -65 | 9.2 | 187 | 3.2 | 4 | 1.2 | 21830 | 5.1 | 13710 | 29 | 0.3 | | |
| 16-44.4025 | -113.7036 | -2-12- | D-119303 | | | 41210 | -0.06 | 432 | 74720 | 62 | -92 | 8.4 | 98 | 4.2 | 3 | 1.5 | 22870 | 6.5 | 11350 | 23 | 0.3 | | |
| 16-44.4086 | -113.7039 | -2-12- | D-119304 | | | 46030 | -0.06 | 791 | 39460 | 67 | 187 | 5.3 | 73 | 4.2 | 5 | 0.8 | 14770 | 8.9 | 15150 | 25 | 0.3 | | |
| 16-44.3469 | -113.7142 | -2-15- | D-119305 | | | 47920 | -0.08 | 705 | 63590 | 65 | -79 | 9.3 | 153 | 3.9 | 4 | 1.2 | 25610 | 8.4 | 20080 | 32 | 0.4 | | |
| 16-44.3461 | -113.7178 | -2-15- | D-119306 | | | 60680 | -0.08 | 848 | 34180 | 61 | 212 | 13.4 | 144 | 4.7 | 4 | 0.9 | 35330 | 7.1 | 22510 | 28 | 0.4 | | |
| 16-44.3136 | -113.6753 | -2-15- | D-119307 | | | 40030 | -0.06 | 308 | 81340 | 60 | -99 | 10.2 | 81 | 4.2 | 2 | 1.4 | 24910 | 6.1 | 9619 | 29 | 0.3 | | |
| 16-44.5522 | -113.7436 | -2-11- | D-119308 | | | 65070 | -0.09 | 821 | 12910 | 53 | 235 | 6.4 | 66 | 12.8 | 5 | 1.3 | 23800 | 6.2 | 16450 | 28 | 0.3 | | |
| 16-44.1444 | -113.2558 | -2-12- | D-119309 | | | 47940 | -0.09 | 871 | 103300 | 69 | -83 | 12.5 | 206 | 4.7 | 4 | 1.6 | 29900 | 6.8 | 15180 | 30 | 0.3 | | |
| 16-44.1411 | -113.3508 | -2-15- | D-119310 | | | 48820 | -0.06 | 474 | 61440 | 50 | -76 | 7.5 | 69 | 4.3 | 4 | 1.1 | 22670 | 6.6 | 17160 | 28 | 0.3 | | |
| 16-44.1458 | -113.2625 | -2-12- | D-119311 | | | 44200 | -0.07 | 730 | 70090 | 72 | -97 | 16.0 | 298 | 3.2 | 2 | 1.8 | 34020 | 10.7 | 10050 | 35 | 0.4 | | |
| 16-44.1497 | -113.3608 | -2-12- | D-119312 | | | 36810 | -0.06 | 735 | 102300 | 52 | -76 | 8.6 | 205 | 3.7 | 4 | 1.4 | 22090 | 4.8 | 14690 | 32 | 0.3 | | |
| 16-44.1142 | -113.3858 | -2-15- | D-119313 | | | 43830 | -0.07 | 539 | 74760 | 64 | -70 | 7.9 | 90 | 3.0 | 4 | 1.0 | 21840 | 9.3 | 16770 | 27 | 0.3 | | |
| 16-44.0797 | -113.4008 | -2-15- | D-119314 | | | 56130 | -0.08 | 864 | 46140 | 62 | -75 | 9.4 | 75 | 4.9 | 4 | 1.3 | 30900 | 4.4 | 16610 | 28 | 0.3 | | |
| 16-44.0681 | -113.4142 | -2-15- | D-119315 | | | 47820 | -0.06 | 561 | 69510 | 61 | 155 | 9.0 | 68 | 3.6 | 4 | 1.3 | 24260 | 7.2 | 21830 | 26 | 0.3 | | |
| 16-44.0652 | -113.4252 | -2-12- | D-119316 | | | 46190 | -0.10 | 1197 | 71150 | 58 | -105 | 29.9 | 866 | 3.6 | 5 | 2.0 | 50180 | 5.7 | 15050 | 26 | 0.3 | | |
| 16-44.0628 | -113.4351 | -2-12- | D-119317 | | | 59400 | -0.10 | 1293 | 35580 | 78 | -108 | 16.6 | 329 | 6.1 | 5 | 2.0 | 36170 | 6.6 | 21830 | 31 | 0.3 | | |
| 16-44.0608 | -113.4311 | -2-12- | D-119318 | | | 60610 | -0.08 | 1258 | 30510 | 72 | -88 | 14.1 | 137 | 4.5 | 5 | 1.8 | 30300 | 6.9 | 21390 | 27 | 0.3 | | |
| 16-44.9984 | -113.8711 | -2-12- | D-119319 | | | 57280 | -0.06 | 868 | 10160 | 103 | -110 | 10.4 | 136 | 7.0 | 3 | 2.2 | 24240 | 11.4 | 12770 | 47 | 0.5 | | |
| 16-44.9508 | -113.8500 | -2-12- | D-119320 | | | 73020 | -0.09 | 1287 | 9711 | 76 | 394 | 9.7 | 61 | 6.6 | 12 | 2.5 | 27220 | 9.0 | 27730 | 47 | 0.7 | | |
| 16-44.9553 | -113.8503 | -2-12- | D-119321 | | | 66580 | -0.10 | 1041 | 14480 | 77 | 286 | 12.1 | 102 | 5.1 | 7 | 2.2 | 27600 | 10.3 | 25410 | 39 | 0.5 | | |
| 16-44.9600 | -113.8494 | -2-12- | D-119322 | | | 52720 | -0.09 | 1189 | 7760 | 79 | 275 | 5.7 | 41 | 5.6 | 9 | 2.0 | 24530 | 12.8 | 17250 | 42 | 0.8 | | |
| 16-44.9842 | -113.9478 | -2-12- | D-119323 | | | 64360 | -0.09 | 846 | 21190 | 83 | 336 | 11.4 | 68 | 19.6 | 7 | 2.4 | 31870 | 7.2 | 18060 | 45 | 0.5 | | |
| 16-44.9761 | -113.9500 | -2-12- | D-119324 | | | 54420 | -0.10 | 869 | 28960 | 57 | 227 | 9.8 | 150 | 9.2 | 6 | 1.6 | 27300 | 5.9 | 18380 | 35 | 0.4 | | |
| 16-44.6117 | -113.7275 | -2-12- | D-119325 | | | 52390 | -0.12 | 1643 | 15750 | 68 | -104 | 5.4 | 43 | 21.9 | 6 | 1.8 | 19660 | 9.8 | 18160 | 51 | 0.7 | | |
| 16-44.6153 | -113.7289 | -2-12- | D-119326 | | | 46150 | -0.08 | 657 | 7285 | 65 | 125 | 7.6 | 60 | 10.8 | 5 | 1.3 | 22510 | 9.9 | 18940 | 27 | 0.4 | | |
| 16-44.6086 | -113.7286 | -2-15- | D-119327 | | | 49380 | -0.08 | 1073 | 12820 | 58 | -92 | 9.4 | 49 | 25.1 | 5 | 1.8 | 21290 | 10.1 | 15560 | 32 | 0.5 | | |
| 16-44.6025 | -113.7397 | -2-12- | D-119328 | | | 32260 | -0.08 | -246 | 52270 | 31 | 422 | 8.6 | 48 | 4.3 | 2 | 1.0 | 22060 | 2.2 | 9268 | -7 | 0.2 | | |
| 16-44.4619 | -113.4433 | -2-11- | D-119329 | | | 48340 | -0.14 | 1663 | 18800 | 30 | 217 | -2.2 | 53 | 21.4 | 4 | 1.5 | 18050 | 2.9 | 10730 | -11 | -0.2 | | |
| 16-44.4522 | -113.4739 | -2-11- | D-119330 | | | 73560 | -0.10 | 875 | 35070 | 97 | -113 | 19.9 | 71 | 6.2 | 3 | 1.9 | 48550 | 6.3 | 9844 | 49 | 0.4 | | |
| 16-44.4356 | -113.4656 | -2-11- | D-119331 | | | 69360 | -0.10 | 655 | 25850 | 109 | -112 | 28.7 | 385 | 6.4 | 3 | 2.4 | 53840 | 6.1 | 16460 | 52 | 0.5 | | |
| 16-44.4219 | -113.4467 | -2-11- | D-119332 | | | 41890 | -0.12 | 877 | 33110 | 45 | -138 | 13.1 | 145 | 6.2 | 4 | 1.5 | 25160 | 5.2 | 13060 | 39 | 0.4 | | |
| 16-44.0772 | -113.6247 | -2-12- | D-119333 | | | 44760 | -0.08 | 1700 | 37320 | 104 | -45 | 6.9 | 190 | 4.5 | 3 | 1.9 | 25500 | 2.2 | 18110 | 55 | 0.5 | | |
| 16-44.0792 | -113.6242 | -2-12- | D-119334 | | | 36540 | -0.06 | 445 | 52820 | 51 | -60 | 6.3 | 163 | 5.3 | 2 | 1.4 | 19040 | 5.2 | 7237 | 37 | 0.3 | | |
| 16-44.0958 | -113.6108 | -2-15- | D-119335 | | | 38900 | -0.07 | 514 | 102200 | 38 | -72 | 7.5 | 157 | 4.0 | 5 | 1.1 | 20680 | 3.8 | 16710 | 32 | 0.3 | | |
| 16-44.1217 | -113.5522 | -2-12- | D-119336 | | | 22350 | -0.05 | 196 | 242800 | 35 | -64 | 5.1 | 75 | 2.8 | 2 | 0.5 | 11730 | 2.7 | 5965 | 16 | 0.2 | | |
| 16-44.0889 | -113.5522 | -2-12- | D-119337 | | | 25140 | -0.06 | 484 | 116600 | 48 | -53 | 7.5 | 155 | 4.2 | 4 | 1.0 | 20330 | 3.9 | 14860 | 34 | 0.3 | | |
| 16-44.0594 | -113.5633 | -2-12- | D-119338 | | | 28890 | -0.07 | 382 | 119800 | 32 | -76 | 6.1 | 102 | 7.6 | 3 | 0.9 | 17780 | 3.2 | 11030 | 21 | -0.1 | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | | U/Th RATIO | |
|-------------------|-----------|-----------|----------|-------------|-----------|---|---|------|-------|-----|----|------|------|------|----|----|------|-------|-----|------|---------------|-------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | | Zn |
| 16-44.4508 | -113.6256 | -2-11- | 0-110388 | | | | 6672 | 512 | 3828 | -37 | -2 | 3.6 | 3.8 | -302 | -2 | -1 | 5.4 | 1884 | 25 | -1.4 | -39 | 0.593 |
| 16-44.5025 | -113.6821 | -2-11- | 0-110389 | | | | 6723 | 536 | 13130 | 83 | -2 | 8.5 | 6.9 | -242 | -1 | -1 | 11.6 | 3368 | 49 | -1.8 | -37 | 0.948 |
| 16-44.4708 | -113.6669 | -2-15- | 0-110390 | | | | 12360 | 515 | 13930 | 80 | 3 | 15.0 | 6.6 | -216 | -1 | -1 | 12.7 | 4695 | 108 | -1.3 | -33 | 0.525 |
| 16-44.7333 | -113.9294 | -2-12- | 0-110391 | | | | 4888 | 479 | 3462 | -28 | -2 | 5.4 | 3.5 | -268 | -2 | -1 | 5.6 | 1863 | 32 | -1.3 | -27 | 1.768 |
| 16-44.7310 | -113.9572 | -2-15- | 0-110392 | | | | 13120 | 1027 | 14510 | 85 | -2 | 10.4 | 6.3 | -339 | -1 | -1 | 9.5 | 3131 | 62 | 3.5 | 143 | 0.389 |
| 16-44.0192 | -113.7767 | -2-15- | 0-110393 | | | | 58830 | 324 | 1283 | -19 | 2 | 4.5 | 3.2 | 355 | -1 | -1 | 4.8 | 1608 | 84 | 2.1 | -95 | 0.521 |
| 16-44.2842 | -113.5667 | -2-11- | 0-110394 | | | | 6074 | 1672 | 2816 | 79 | -2 | 16.6 | 14.6 | -408 | -2 | -2 | 27.6 | 3706 | 88 | 7.5 | 221 | 0.355 |
| 16-44.9303 | -113.7642 | -2-12- | 0-110395 | | | | 5439 | 391 | 9719 | 84 | -2 | 7.3 | 12.7 | -247 | -1 | 1 | 11.5 | 3191 | 44 | 5.5 | 77 | 1.958 |
| 16-44.5669 | -113.6372 | -2-12- | 0-110396 | | | | 4292 | 238 | 9080 | 62 | 3 | 5.9 | 7.0 | -179 | -1 | -1 | 14.0 | 3822 | 43 | 5.1 | 48 | 0.643 |
| 16-44.5344 | -113.6811 | -2-12- | 0-110397 | | | | 6453 | 541 | 8037 | 108 | 37 | 5.4 | 5.3 | -299 | -2 | -1 | 5.9 | 1733 | 37 | 2.8 | 200 | 4.136 |
| 16-44.5222 | -113.7069 | -2-12- | 0-110398 | | | | -2420 | 2991 | 4064 | 128 | 86 | 4.0 | 4.4 | -474 | -1 | -1 | 8.0 | -1110 | 27 | 3.5 | 1427 | 0.637 |
| 16-44.4206 | -113.7469 | -2-11- | 0-110399 | | | | 22550 | 242 | 12450 | -31 | -2 | 8.1 | 6.8 | -216 | -2 | -1 | 5.8 | 3293 | 35 | 3.5 | 86 | 0.379 |
| 16-44.4014 | -113.7214 | -2-11- | 0-110400 | | | | 24970 | 412 | 5589 | -24 | -1 | 5.0 | 2.5 | -221 | -1 | -1 | 4.5 | 1498 | 54 | -1.1 | 94 | 0.556 |
| 16-44.3972 | -113.7203 | -2-12- | 0-110402 | | | | 28870 | 417 | 4748 | 64 | -2 | 9.9 | 5.8 | -205 | -1 | -1 | 6.9 | 2320 | 105 | 2.2 | 89 | 0.420 |
| 16-44.3989 | -113.7056 | -2-12- | 0-110403 | | | | 29040 | 397 | 4712 | 52 | -2 | 9.3 | 4.2 | -198 | -1 | -1 | 6.7 | 2663 | 111 | 3.0 | 193 | 0.478 |
| 16-44.4025 | -113.7026 | -2-12- | 0-110404 | | | | 11350 | 413 | 6765 | 54 | -2 | 8.7 | -0.7 | -224 | -1 | -1 | 8.0 | 1916 | 66 | -1.3 | 110 | 0.363 |
| 16-44.4086 | -113.7039 | -2-12- | 0-110405 | | | | 5491 | 240 | 8496 | 62 | -1 | 6.3 | 4.3 | -182 | -1 | -1 | 7.5 | 2878 | 47 | -1.3 | -60 | 0.400 |
| 16-44.3469 | -113.7142 | -2-15- | 0-110406 | | | | 22400 | 509 | 7938 | 50 | -2 | 9.8 | 5.3 | -238 | -1 | -1 | 8.7 | 2449 | 98 | 3.2 | -46 | 0.356 |
| 16-44.3461 | -113.7178 | -2-15- | 0-110407 | | | | 16920 | 832 | 11950 | 57 | -2 | 13.2 | 5.5 | -285 | -1 | -1 | 11.0 | 3675 | 80 | 3.3 | 222 | 0.218 |
| 16-44.3134 | -113.6753 | -2-15- | 0-110408 | | | | 16440 | 558 | 7586 | 61 | -2 | 9.1 | -0.8 | -247 | -1 | -1 | 8.6 | 1383 | 58 | -1.2 | 118 | 0.279 |
| 16-44.5522 | -113.7436 | -2-11- | 0-110409 | | | | 8403 | 578 | 8627 | 95 | 3 | 9.0 | 6.3 | -297 | -2 | -1 | 10.1 | 3123 | 43 | -1.8 | 136 | 1.644 |
| 16-44.1444 | -113.2558 | -2-12- | 0-110410 | | | | 20960 | 556 | 6631 | 100 | -2 | 13.0 | 5.8 | 551 | -1 | -1 | 8.9 | 2773 | 101 | 3.3 | 99 | 0.360 |
| 16-44.1411 | -113.3508 | -2-15- | 0-110411 | | | | 11570 | 848 | 7270 | 57 | -1 | 7.9 | 4.8 | -261 | -1 | -1 | 8.8 | 2951 | 66 | 2.7 | 172 | 0.295 |
| 16-44.1458 | -113.3625 | -2-12- | 0-110412 | | | | 19510 | 644 | 9110 | 65 | -2 | 16.9 | 8.6 | -249 | -1 | -1 | 9.3 | 2513 | 77 | 3.3 | 105 | 0.301 |
| 16-44.1497 | -113.3608 | -2-12- | 0-110413 | | | | 14690 | 346 | 4288 | 54 | -2 | 8.7 | 5.1 | -177 | -1 | -1 | 6.7 | 2554 | 121 | 2.6 | 129 | 0.567 |
| 16-44.1142 | -113.3858 | -2-15- | 0-110414 | | | | 19890 | 549 | 5584 | 66 | -1 | 7.9 | 4.5 | 323 | -1 | -1 | 8.7 | 2809 | 66 | 2.9 | 125 | 0.322 |
| 16-44.0797 | -113.4008 | -2-15- | 0-110415 | | | | 18200 | 630 | 6428 | 91 | -2 | 10.6 | 4.0 | -255 | -1 | -1 | 7.9 | 2784 | 79 | 2.3 | 190 | 0.316 |
| 16-44.0691 | -113.4142 | -2-15- | 0-110416 | | | | 24230 | 690 | 6031 | 68 | -1 | 8.7 | 6.5 | -227 | -1 | -1 | 9.5 | 2277 | 61 | 3.0 | 99 | 0.242 |
| 16-44.0653 | -113.4353 | -2-12- | 0-110417 | | | | 40080 | 1082 | 10800 | -36 | -2 | 33.6 | 6.8 | -274 | -2 | -1 | 6.8 | 3501 | 173 | 2.7 | | 0.309 |
| 16-44.0628 | -113.4350 | -2-12- | 0-110418 | | | | 16340 | 856 | 12410 | 115 | -2 | 15.6 | 6.5 | -328 | -1 | -1 | 9.9 | 4044 | 101 | 3.6 | -40 | 0.364 |
| 16-44.0608 | -113.4311 | -2-12- | 0-110419 | | | | 12290 | 502 | 11260 | -32 | -2 | 13.2 | 5.6 | -662 | -1 | -1 | 9.9 | 3276 | 93 | 3.3 | 120 | 0.364 |
| 16-44.9986 | -113.8711 | -2-12- | 0-110420 | | | | 5573 | 527 | 13130 | 97 | -2 | 7.4 | 10.9 | -254 | -1 | -1 | 14.2 | 1830 | 34 | 2.0 | 118 | 0.810 |
| 16-44.9508 | -113.8500 | -2-12- | 0-110421 | | | | 5901 | 748 | 14040 | 71 | -2 | 9.7 | 9.3 | -317 | -1 | 2 | 11.5 | 3584 | 69 | 5.2 | 141 | 0.887 |
| 16-44.9553 | -113.8503 | -2-12- | 0-110422 | | | | 7106 | 810 | 11480 | 66 | -2 | 9.7 | 6.5 | -358 | -2 | -1 | 9.0 | 3047 | 63 | 5.1 | 185 | 1.500 |
| 16-44.9600 | -113.8494 | -2-12- | 0-110423 | | | | 4989 | 783 | 7481 | -33 | -2 | 6.8 | 9.4 | -350 | -2 | 2 | 11.4 | 2890 | 37 | 4.4 | 161 | 2.368 |
| 16-44.9842 | -113.9474 | -2-12- | 0-110424 | | | | 6687 | 828 | 11530 | 92 | -2 | 12.4 | 11.8 | -373 | -1 | -1 | 12.0 | 3171 | 64 | -1.8 | 94 | 0.958 |
| 16-44.9761 | -113.9500 | -2-12- | 0-110425 | | | | 11070 | 496 | 9848 | -40 | -2 | 12.0 | 7.0 | -298 | -2 | 1 | 9.6 | 3071 | 79 | -1.8 | 153 | 1.531 |
| 16-44.6117 | -113.7275 | -2-12- | 0-110426 | | | | 8636 | 264 | 10130 | -39 | -3 | 6.8 | 8.8 | -292 | -2 | -1 | 8.9 | 2521 | 46 | -2.3 | 105 | 5.944 |
| 16-44.6152 | -113.7289 | -2-12- | 0-110427 | | | | 6546 | 374 | 8124 | 82 | -2 | 7.9 | 7.2 | -218 | -1 | -1 | 10.8 | 2634 | 51 | 3.2 | 92 | 1.398 |
| 16-44.6086 | -113.7386 | -2-15- | 0-110428 | | | | 16160 | 552 | 8906 | -27 | -1 | 7.1 | 9.0 | -284 | -1 | -1 | 9.9 | 2867 | 39 | -1.5 | 61 | 1.061 |
| 16-44.6025 | -113.7397 | -2-12- | 0-110429 | | | | 18950 | 1833 | 4260 | -35 | -2 | 4.8 | 2.7 | -446 | -2 | -1 | 4.0 | -1048 | 58 | -1.6 | 121 | 0.625 |
| 16-44.4619 | -113.4433 | -2-11- | 0-110430 | | | | 8886 | 228 | 2872 | -45 | -3 | 5.9 | 4.6 | -277 | -3 | -1 | 7.3 | 1295 | 42 | -2.8 | -19 | 4.219 |
| 16-44.4522 | -113.4739 | -2-11- | 0-110431 | | | | 16360 | 843 | 15180 | -37 | -2 | 16.6 | 6.2 | 700 | -1 | -1 | 12.4 | 5445 | 142 | 3.6 | 191 | 1.032 |
| 16-44.4356 | -113.4656 | -2-11- | 0-110432 | | | | 12560 | 1062 | 8069 | 71 | -3 | 28.0 | 10.3 | -331 | -2 | -1 | 15.5 | 3189 | 109 | -2.2 | | 0.439 |
| 16-44.4219 | -113.4467 | -2-11- | 0-110433 | | | | 9616 | 760 | 8381 | -45 | -3 | 11.3 | 8.1 | -387 | -2 | -1 | 8.5 | 2546 | 67 | -2.1 | 138 | 3.400 |
| 16-44.0772 | -113.6247 | -2-12- | 0-110434 | | | | 11520 | 312 | 1482 | 89 | -2 | 8.7 | 7.1 | -178 | -1 | -1 | 10.2 | 2747 | 227 | -1.4 | 272 | 0.510 |
| 16-44.0792 | -113.6242 | -2-12- | 0-110435 | | | | 9755 | 283 | 1540 | 58 | -1 | 7.5 | 6.9 | -170 | -1 | -1 | 7.5 | 2305 | 99 | 3.4 | 151 | 0.533 |
| 16-44.0958 | -113.6108 | -2-15- | 0-110436 | | | | 10870 | 337 | 1799 | 55 | -2 | 7.5 | 4.4 | -193 | -1 | -1 | 6.1 | 2154 | 152 | 2.4 | 177 | 0.787 |
| 16-44.1217 | -113.5522 | -2-12- | 0-110437 | | | | 11440 | 259 | 1871 | -18 | -1 | 4.3 | 2.6 | -164 | -1 | -1 | 4.5 | 1429 | 49 | 1.8 | 125 | 0.822 |
| 16-44.0889 | -113.5522 | -2-12- | 0-110438 | | | | 10780 | 360 | 1357 | 42 | -1 | 7.2 | 5.0 | -171 | -1 | 1 | 6.7 | 2041 | 136 | 2.4 | 248 | 0.716 |
| 16-44.0594 | -113.5633 | -2-12- | 0-110439 | | | | 7122 | 418 | 2670 | 51 | -2 | 5.9 | 3.5 | -250 | -1 | -1 | 4.8 | 1623 | 63 | -1.3 | 198 | 0.875 |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE DEPTH | DOE LAB LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-------|---------------------------------|----------------------------|---|-----|-----|----|----|-----|----|-----|---|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | DEPTH | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.0594-113.5661-2-12- | 0-119440 | -5 | -5 | -5 | 30 | 27 | 63 | -5 | -10 | -15 | 15 | -5 | 84 | -1 | 18 | | | | | | | |
| 16-44.7417-113.9558-2-12- | 0-119441 | -5 | 10 | -5 | 24 | -20 | -15 | 11 | -10 | 15 | -5 | -5 | 251 | 2 | 33 | | | | | | | |
| 16-44.7342-113.9519-2-11- | 0-119442 | -5 | -5 | -5 | 29 | -20 | -15 | -5 | -10 | -15 | 6 | -5 | 175 | -1 | 26 | | | | | | | |
| 16-44.7286-113.9406-2-12- | 0-119443 | -5 | 6 | -5 | 38 | -20 | 27 | 7 | -10 | -15 | 7 | -5 | 190 | -1 | 33 | | | | | | | |
| 16-44.7311-113.9296-2-12- | 0-119444 | -5 | -5 | -5 | 54 | -20 | 46 | -5 | -10 | 15 | 8 | -5 | 149 | -1 | 33 | | | | | | | |
| 16-44.4308-113.7858-2-11- | 0-119445 | -5 | -5 | -5 | 21 | -20 | 25 | -5 | -10 | 15 | 7 | -5 | 103 | 1 | 13 | | | | | | | |
| 16-44.4300-113.6092-2-15- | 0-119446 | -5 | 5 | -5 | 26 | -20 | -15 | 13 | -10 | -15 | 19 | -5 | 162 | 2 | 38 | | | | | | | |
| 16-44.4103-113.7958-2-15- | 0-119447 | -5 | 7 | -5 | 34 | -20 | -15 | 16 | -10 | -15 | 10 | -5 | 171 | 2 | 34 | | | | | | | |
| 16-44.3572-113.8047-2-15- | 0-119449 | -5 | 8 | -5 | 33 | 22 | 17 | 8 | -10 | -15 | 13 | -5 | 160 | 2 | 116 | | | | | | | |
| 16-44.3464-113.7814-2-15- | 0-119450 | -5 | -5 | -5 | 21 | -20 | -15 | -5 | -10 | 15 | 7 | -5 | 119 | 1 | 33 | | | | | | | |
| 16-44.4617-113.8197-2-15- | 0-119451 | -5 | -5 | -5 | 27 | 32 | -15 | 15 | -10 | -15 | 5 | -5 | 148 | 2 | 22 | | | | | | | |
| 16-44.4631-113.8119-2-12- | 0-119452 | -5 | -5 | -5 | 20 | -20 | -15 | 8 | -10 | 15 | 8 | -5 | 170 | 1 | 27 | | | | | | | |
| 16-44.4825-113.8139-2-15- | 0-119453 | -5 | -5 | -5 | 23 | -20 | 30 | 5 | -10 | -15 | 6 | -5 | 119 | 2 | 16 | | | | | | | |
| 16-44.4986-113.8539-2-15- | 0-119454 | -5 | -5 | -5 | 31 | -20 | 93 | 9 | -10 | -15 | 11 | -5 | 147 | 3 | 25 | | | | | | | |
| 16-44.3694-113.8214-2-15- | 0-119455 | -5 | 10 | -5 | 33 | -20 | 22 | 21 | -10 | -15 | 5 | -5 | 167 | 2 | 31 | | | | | | | |
| 16-44.3203-113.7867-2-11- | 0-119456 | -5 | -5 | -5 | 15 | -20 | 39 | 10 | -10 | -15 | 6 | -5 | 105 | 1 | 13 | | | | | | | |
| 16-44.3119-113.8347-2-15- | 0-119457 | -5 | 5 | -5 | 23 | -20 | 28 | 14 | -10 | -15 | 6 | -5 | 136 | 2 | 43 | | | | | | | |
| 16-44.3136-113.8367-2-15- | 0-119458 | -5 | -5 | -5 | 22 | -20 | 27 | 12 | -10 | -15 | 7 | -5 | 132 | 2 | 112 | | | | | | | |
| 16-44.3122-113.8678-2-15- | 0-119459 | -5 | -5 | -5 | 31 | -20 | 18 | 30 | -10 | -15 | -5 | -5 | 92 | 1 | 25 | | | | | | | |
| 16-44.3078-113.7982-2-15- | 0-119460 | -5 | -5 | -5 | 24 | -20 | 15 | 12 | -10 | -15 | 7 | -5 | 140 | 3 | 38 | | | | | | | |
| 16-44.2914-113.7992-2-15- | 0-119461 | -5 | -5 | -5 | 50 | -20 | 21 | 10 | -10 | 22 | 5 | -5 | 198 | 2 | 36 | | | | | | | |
| 16-44.2633-113.8092-2-15- | 0-119462 | -5 | -5 | -5 | 20 | -20 | -15 | 16 | -10 | -15 | 9 | -5 | 194 | 2 | 109 | | | | | | | |
| 16-44.2631-113.8042-2-15- | 0-119463 | -5 | 7 | -5 | 29 | -20 | 17 | 12 | -10 | 19 | 7 | -5 | 108 | 2 | 23 | | | | | | | |
| 16-44.2661-113.7639-2-99- | 0-119464 | -5 | -5 | -5 | 59 | -20 | 34 | 13 | -10 | -15 | -5 | -5 | 144 | 2 | 29 | | | | | | | |
| 16-44.2553-113.8233-2-15- | 0-119465 | -5 | -5 | -5 | 18 | -20 | 26 | 12 | -10 | -15 | -5 | -5 | 150 | 2 | 31 | | | | | | | |
| 16-44.2494-113.8232-2-15- | 0-119466 | -5 | -5 | -5 | 19 | -20 | 23 | 8 | -10 | -15 | -5 | -5 | 128 | 1 | 36 | | | | | | | |
| 16-44.2492-113.7700-2-15- | 0-119467 | -5 | -5 | -5 | 28 | -20 | 20 | 13 | -10 | -15 | 9 | -5 | 158 | 2 | 33 | | | | | | | |
| 16-44.2314-113.7506-2-15- | 0-119468 | -5 | -5 | -5 | 25 | -20 | 25 | 19 | -10 | -15 | -5 | -5 | 138 | 2 | 31 | | | | | | | |
| 16-44.2497-113.8153-2-15- | 0-119469 | -5 | -5 | -5 | 33 | -20 | 35 | 13 | -10 | -15 | -5 | -5 | 155 | 2 | 39 | | | | | | | |
| 16-44.2342-113.8117-2-11- | 0-119470 | -5 | -5 | -5 | 26 | -20 | 38 | 13 | -10 | -15 | 6 | -5 | 183 | 2 | 140 | | | | | | | |
| 16-44.1803-113.8572-2-15- | 0-119472 | -5 | 5 | -5 | 40 | -20 | 37 | 12 | -10 | -15 | 13 | -5 | 118 | 2 | 26 | | | | | | | |
| 16-44.1778-113.8544-2-15- | 0-119473 | -5 | 6 | -5 | 35 | -20 | 32 | 9 | -10 | 15 | 6 | -5 | 116 | 2 | 35 | | | | | | | |
| 16-44.1708-113.8547-2-11- | 0-119474 | -5 | 6 | -5 | 39 | -20 | 54 | 8 | -10 | -15 | 7 | -5 | 109 | 2 | 20 | | | | | | | |
| 16-44.1583-113.8606-2-11- | 0-119475 | -5 | 5 | -5 | 14 | -20 | -15 | 14 | -10 | -15 | -5 | -5 | 125 | 1 | 15 | | | | | | | |
| 16-44.1556-113.8697-2-12- | 0-119476 | -5 | -5 | -5 | 42 | -20 | 65 | 21 | -10 | -15 | 6 | -5 | 112 | 2 | 35 | | | | | | | |
| 16-44.1394-113.9025-2-12- | 0-119477 | -5 | 6 | -5 | 27 | -20 | 68 | 11 | -10 | -15 | 10 | -5 | 153 | 2 | 24 | | | | | | | |
| 16-44.2983-112.9975-2-15- | 0-119478 | -5 | -5 | -5 | 37 | -20 | 48 | 7 | -10 | -15 | 14 | -5 | 106 | 1 | 18 | | | | | | | |
| 16-44.2661-112.9267-2-11- | 0-119479 | -5 | 7 | -5 | 59 | -20 | 55 | 9 | -10 | -15 | 10 | -5 | 119 | -1 | 35 | | | | | | | |
| 16-44.2677-113.9564-2-15- | 0-119480 | -5 | -5 | -5 | 32 | -20 | 41 | 9 | -10 | -15 | 9 | -5 | 139 | 2 | 26 | | | | | | | |
| 16-44.2136-113.9997-2-15- | 0-119481 | -5 | 8 | -5 | 29 | -20 | 34 | 10 | -10 | -15 | 19 | -5 | 186 | 2 | 22 | | | | | | | |
| 16-44.2494-113.9072-2-15- | 0-119482 | -5 | -5 | -5 | 22 | -20 | 40 | 18 | -10 | -15 | 6 | -5 | 144 | 2 | 22 | | | | | | | |
| 16-44.2194-113.9252-2-15- | 0-119483 | -5 | 5 | -5 | 19 | -20 | 23 | 12 | -10 | -15 | 11 | -5 | 90 | -1 | 12 | | | | | | | |
| 16-44.2425-113.9328-2-99- | 0-119484 | -5 | 7 | -5 | 17 | -20 | 35 | 8 | -10 | -15 | 6 | -5 | 117 | 1 | 16 | | | | | | | |
| 16-44.2414-113.9286-2-15- | 0-119485 | -5 | -5 | -5 | 21 | -20 | -15 | 17 | -10 | -15 | -5 | -5 | 193 | 1 | 17 | | | | | | | |
| 16-44.2339-113.9286-2-12- | 0-119486 | -5 | 5 | -5 | 39 | -20 | 75 | 10 | -10 | -15 | 11 | -5 | 111 | 1 | 22 | | | | | | | |
| 16-44.1922-113.9119-2-15- | 0-119487 | -5 | 5 | -5 | 27 | -20 | 28 | 12 | -10 | -15 | -5 | -5 | 110 | 2 | 20 | | | | | | | |
| 16-44.1892-113.9061-2-15- | 0-119488 | -5 | 7 | -5 | 32 | -20 | 34 | 19 | -10 | -15 | -5 | -5 | 119 | 1 | 34 | | | | | | | |
| 16-44.1879-113.9042-2-15- | 0-119489 | -5 | -5 | -5 | 56 | -20 | 99 | 10 | -10 | 17 | 9 | -5 | 135 | 1 | 26 | | | | | | | |
| 16-44.1914-113.8603-2-99- | 0-119491 | -5 | 5 | -5 | 48 | -20 | 72 | 7 | -10 | -15 | 6 | 5 | 59 | 1 | 10 | | | | | | | |
| 16-44.1547-113.9614-2-11- | 0-119492 | -5 | -5 | -5 | 19 | -20 | 22 | 11 | -10 | -15 | 5 | -5 | 91 | -1 | 13 | | | | | | | |
| 16-44.1500-113.9792-2-15- | 0-119493 | -5 | 5 | 5 | 29 | -20 | 36 | 17 | -10 | -15 | 23 | -5 | 153 | 2 | 45 | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|--|---|------|-----|------|----|-----|-------|------|-------|----|-----|----|----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 16-44.0594-113.5661-2-12- | 0-119440 | 38130 | -0.07 | 542 | 96820 | 43 | -68 | 7.2 | 153 | 5.0 | 5 | 1.2 | 20690 | 3.7 | 16810 | 34 | 0.3 | | | |
| 16-44.7417-113.9558-2-12- | 0-119441 | 78100 | -0.07 | 999 | 20860 | 91 | -100 | 11.8 | 92 | 3.6 | 6 | 1.9 | 40970 | 12.4 | 23180 | 42 | 0.4 | | | |
| 16-44.7347-113.9519-2-11- | 0-119442 | 63900 | -0.08 | 667 | 28610 | 63 | 368 | 16.2 | 100 | -2.2 | 4 | 1.6 | 32120 | 5.0 | 17890 | 35 | 0.3 | | | |
| 16-44.7286-113.9406-2-12- | 0-119443 | 69490 | -0.10 | 1123 | 42350 | 79 | -113 | 23.6 | 183 | -2.7 | 5 | 2.0 | 50200 | 6.8 | 22940 | 42 | 0.4 | | | |
| 16-44.7311-113.9288-2-12- | 0-119444 | 52900 | -0.11 | 908 | 44350 | 49 | -131 | 32.2 | 729 | -2.8 | 4 | 1.6 | 52650 | 4.8 | 15430 | 25 | 0.4 | | | |
| 16-44.4308-113.7658-2-11- | 0-119445 | 22820 | -0.05 | 561 | 140900 | 38 | 235 | 5.6 | 84 | 3.4 | 3 | 0.9 | 16590 | 4.1 | 11490 | 22 | 0.3 | | | |
| 16-44.4300-113.6922-2-15- | 0-119446 | 48480 | -0.05 | 593 | 48250 | 49 | 123 | 7.1 | 73 | 4.8 | 4 | 1.2 | 21950 | 5.4 | 18550 | 28 | 0.3 | | | |
| 16-44.4103-113.7958-2-15- | 0-119447 | 61530 | -0.07 | 818 | 24160 | 69 | 167 | 8.2 | 85 | 6.0 | 4 | 1.4 | 25900 | 7.1 | 18230 | 28 | 0.4 | | | |
| 16-44.3572-113.8047-2-15- | 0-119448 | 67620 | -0.07 | 743 | 17440 | 68 | 302 | 10.5 | 92 | 6.4 | 6 | 1.6 | 30120 | 6.3 | 18260 | 34 | 0.4 | | | |
| 16-44.3464-113.7814-2-15- | 0-119450 | 40340 | -0.05 | 492 | 137100 | 45 | -85 | 8.2 | 71 | 4.1 | 3 | 1.1 | 22280 | 5.8 | 12340 | 27 | 0.2 | | | |
| 16-44.4617-113.8197-2-15- | 0-119451 | 41310 | -0.05 | 536 | 106000 | 43 | 161 | 6.5 | 74 | 3.6 | 4 | 0.9 | 18500 | 5.0 | 15690 | 25 | 0.3 | | | |
| 16-44.4631-113.8119-2-12- | 0-119452 | 53350 | -0.07 | 988 | 82890 | 56 | 778 | 5.9 | 49 | 4.5 | 3 | 1.3 | 18970 | 6.9 | 18420 | 21 | 0.4 | | | |
| 16-44.4825-113.8139-2-15- | 0-119453 | 38830 | -0.06 | 762 | 93250 | 43 | 133 | 9.3 | 132 | 3.4 | 4 | 1.1 | 21310 | 4.4 | 14500 | 28 | 0.3 | | | |
| 16-44.4986-113.8539-2-15- | 0-119454 | 58450 | -0.07 | 1135 | 40000 | 76 | -81 | 11.4 | 153 | 6.8 | 5 | 1.8 | 32420 | 6.0 | 20430 | 40 | 0.4 | | | |
| 16-44.3694-113.8314-2-15- | 0-119455 | 59170 | -0.06 | 650 | 17790 | 56 | 161 | 8.4 | 100 | 6.1 | 4 | 1.2 | 26850 | 6.8 | 21690 | 32 | 0.3 | | | |
| 16-44.3203-113.7867-2-11- | 0-119456 | 27930 | -0.05 | 357 | 89110 | 45 | -48 | 4.4 | 111 | 4.6 | 2 | 0.8 | 13320 | 5.1 | 10230 | 20 | 0.3 | | | |
| 16-44.3119-113.8347-2-15- | 0-119457 | 57370 | -0.07 | 595 | 26720 | 55 | 302 | 7.0 | 56 | 5.1 | 4 | 1.2 | 27460 | 6.1 | 18030 | 31 | 0.3 | | | |
| 16-44.3136-113.8367-2-15- | 0-119458 | 69420 | -0.07 | 853 | 19810 | 58 | 300 | 7.9 | 69 | 6.2 | 5 | 1.1 | 28330 | 6.3 | 20350 | 31 | 0.4 | | | |
| 16-44.3122-113.8678-2-15- | 0-119459 | 50650 | -0.07 | 514 | 26070 | 35 | 94 | 5.6 | 63 | 5.7 | 3 | 0.9 | 20660 | 3.5 | 13920 | 20 | 0.2 | | | |
| 16-44.3078-113.7683-2-15- | 0-119460 | 56460 | -0.07 | 780 | 71840 | 73 | -84 | 9.9 | 98 | 5.5 | 4 | 1.2 | 27780 | 5.2 | 16240 | 27 | 0.4 | | | |
| 16-44.2914-113.7992-2-15- | 0-119461 | 63500 | -0.07 | 831 | 36190 | 81 | -98 | 14.5 | 181 | 6.4 | 5 | 1.7 | 36780 | 6.4 | 18520 | 39 | 0.3 | | | |
| 16-44.2833-113.8092-2-15- | 0-119462 | 63520 | -0.06 | 707 | 13770 | 72 | -79 | 9.5 | 84 | 5.3 | 5 | 1.5 | 31100 | 9.4 | 17220 | 36 | 0.3 | | | |
| 16-44.2631-113.8042-2-15- | 0-119463 | 49620 | -0.07 | 574 | 52330 | 49 | -89 | 9.6 | 70 | 5.3 | 4 | 0.8 | 23650 | 4.6 | 16540 | 26 | 0.3 | | | |
| 16-44.2661-113.7639-2-99- | 0-119464 | 63670 | -0.09 | 1293 | 30150 | 87 | -94 | 19.5 | 268 | 6.9 | 4 | 1.8 | 41330 | 6.3 | 24330 | 37 | 0.4 | | | |
| 16-44.2553-113.8233-2-15- | 0-119465 | 57060 | -0.07 | 600 | 16350 | 61 | -100 | 9.4 | 78 | 6.0 | 5 | 1.2 | 26650 | 5.6 | 16520 | 25 | 0.3 | | | |
| 16-44.2494-113.8233-2-15- | 0-119466 | 61320 | -0.06 | 822 | 21600 | 65 | -99 | 8.9 | 64 | 5.3 | 5 | 1.3 | 28620 | 6.0 | 14960 | 29 | 0.4 | | | |
| 16-44.2492-113.7700-2-15- | 0-119467 | 55160 | -0.07 | 627 | 32800 | 53 | -84 | 8.8 | 77 | 4.7 | 5 | 1.3 | 24470 | 5.3 | 19120 | 31 | 0.3 | | | |
| 16-44.2314-113.7506-2-15- | 0-119468 | 53650 | -0.09 | 714 | 17950 | 54 | -82 | 7.1 | 81 | 7.6 | 4 | 1.3 | 22890 | 5.9 | 17000 | 28 | 0.3 | | | |
| 16-44.2497-113.8152-2-15- | 0-119469 | 60200 | -0.07 | 592 | 16760 | 71 | -93 | 9.4 | 94 | 7.5 | 6 | 1.2 | 28570 | 6.8 | 19730 | 33 | 0.5 | | | |
| 16-44.2347-113.8117-2-11- | 0-119470 | 62670 | -0.06 | 668 | 15060 | 63 | -88 | 9.6 | 103 | 7.2 | 4 | 1.3 | 29390 | 8.9 | 16320 | 35 | 0.2 | | | |
| 16-44.1803-113.8572-2-15- | 0-119472 | 54460 | -0.07 | 999 | 15620 | 68 | 152 | 6.0 | 93 | 4.9 | 5 | 1.3 | 23780 | 4.2 | 20340 | 35 | 0.4 | | | |
| 16-44.1778-113.8544-2-15- | 0-119473 | 55840 | -0.08 | 865 | 18730 | 61 | -85 | 7.2 | 96 | 5.4 | 5 | 1.3 | 22870 | 4.9 | 14350 | 35 | 0.4 | | | |
| 16-44.1708-113.8547-2-11- | 0-119474 | 43190 | -0.07 | 548 | 14160 | 62 | -65 | 4.3 | 150 | 3.7 | 5 | 0.9 | 16540 | 4.8 | 16130 | 38 | 0.4 | | | |
| 16-44.1583-113.8606-2-11- | 0-119475 | 43040 | -0.06 | 739 | 77210 | 55 | 226 | 6.2 | 63 | 3.4 | 4 | 1.2 | 17400 | 5.3 | 14380 | 29 | 0.2 | | | |
| 16-44.1556-113.8697-2-12- | 0-119476 | 54080 | -0.07 | 1220 | 46820 | 64 | 157 | 6.4 | 112 | 5.6 | 5 | 0.8 | 23820 | 4.6 | 19580 | 34 | 0.3 | | | |
| 16-44.1394-113.9025-2-12- | 0-119477 | 46490 | -0.07 | 1262 | 73560 | 92 | 129 | 8.2 | 122 | -1.9 | 4 | 1.5 | 23650 | 6.1 | 16930 | 47 | 0.4 | | | |
| 16-44.2983-113.0975-2-15- | 0-119478 | 43550 | -0.06 | 851 | 77120 | 38 | 204 | 7.8 | 68 | 4.8 | 4 | 1.2 | 22540 | 3.9 | 18460 | 20 | 0.3 | | | |
| 16-44.2661-113.9267-2-11- | 0-119479 | 57140 | -0.07 | 2111 | 12690 | 70 | -70 | 13.3 | 86 | 5.5 | 6 | 1.3 | 30850 | 5.0 | 23120 | 37 | 0.4 | | | |
| 16-44.2672-113.9964-2-15- | 0-119480 | 52210 | -0.05 | 1037 | 58610 | 57 | -77 | 8.5 | 83 | 5.2 | 5 | 0.7 | 24190 | 5.6 | 18260 | 32 | 0.4 | | | |
| 16-44.2136-113.9997-2-15- | 0-119481 | 63550 | -0.07 | 818 | 29420 | 66 | 202 | 9.6 | 88 | 7.2 | 5 | 1.4 | 27120 | 7.4 | 18470 | 33 | 0.3 | | | |
| 16-44.2494-113.8972-2-15- | 0-119482 | 47550 | -0.06 | 745 | 89030 | 53 | -85 | 8.2 | 73 | 4.9 | 4 | 1.2 | 23640 | 5.5 | 14380 | 31 | 0.3 | | | |
| 16-44.2194-113.8253-2-15- | 0-119483 | 39630 | -0.06 | 578 | 82140 | 46 | 257 | 6.1 | 51 | 4.2 | 3 | 1.1 | 19600 | 3.9 | 10480 | 22 | 0.2 | | | |
| 16-44.2425-113.9328-2-90- | 0-119484 | 39660 | -0.06 | 780 | 14180 | 38 | 305 | 5.8 | 83 | 4.2 | 4 | 1.2 | 15900 | 4.7 | 15790 | 27 | 0.2 | | | |
| 16-44.2414-113.9286-2-15- | 0-119485 | 59270 | -0.08 | 1057 | 10980 | 57 | 221 | 7.6 | 56 | 11.3 | 5 | 1.4 | 22000 | 7.9 | 19150 | 32 | 0.4 | | | |
| 16-44.2339-113.9289-2-12- | 0-119486 | 49000 | -0.06 | 1014 | 31100 | 48 | -73 | 10.6 | 112 | 6.8 | 5 | 1.3 | 24160 | 4.4 | 17290 | 30 | 0.3 | | | |
| 16-44.1922-113.9119-2-15- | 0-119487 | 51380 | -0.06 | 750 | 15980 | 52 | -78 | 7.3 | 72 | 4.6 | 4 | 0.7 | 22790 | 4.6 | 18200 | 26 | 0.3 | | | |
| 16-44.1892-113.9061-2-15- | 0-119488 | 60520 | -0.08 | 937 | 15380 | 69 | 165 | 8.9 | 73 | 5.5 | 6 | 1.3 | 24830 | 4.9 | 17740 | 25 | 0.3 | | | |
| 16-44.1873-113.9042-2-15- | 0-119489 | 50050 | -0.06 | 1544 | 17630 | 47 | -76 | 8.4 | 144 | 3.9 | 6 | 0.7 | 24180 | 6.1 | 15830 | 34 | 0.4 | | | |
| 16-44.1914-113.8803-2-99- | 0-119491 | 29200 | -0.05 | 1164 | 98170 | 32 | 170 | 2.3 | 135 | -1.4 | 4 | 1.3 | 13130 | 2.8 | 14230 | 30 | 0.3 | | | |
| 16-44.1547-113.9614-2-11- | 0-119492 | 36480 | -0.16 | 711 | 131200 | 31 | 277 | 5.2 | 62 | 3.3 | 2 | 0.8 | 15780 | 3.3 | 10540 | 29 | 0.3 | | | |
| 16-44.1500-113.8792-2-15- | 0-119493 | 56660 | -0.06 | 735 | 30060 | 55 | 188 | 8.1 | 70 | 8.4 | 4 | 1.3 | 26050 | 5.7 | 17330 | 29 | 0.3 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | U/Th RATIO | |
|---------------------------|----------|-----------|---------|-------------|-----------|---|---|------|------|----|----|------|------|-----|------|------|-------|----|---------------|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | U.S. SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | | V |
| 16-44.0594-113.5661-2-12- | 0-119440 | 9820 | 389 | 1910 | 71 | -1 | 7.4 | 5.1 | -189 | -1 | -1 | 7.0 | 2043 | 132 | 2.6 | 206 | 0.671 | | | |
| 16-44.7417-113.9558-2-12- | 0-119441 | 8532 | 630 | 12680 | 80 | -2 | 12.3 | 8.7 | 603 | -1 | -1 | 15.1 | 4089 | 79 | 3.5 | 61 | 0.278 | | | |
| 16-44.7342-113.9519-2-11- | 0-119442 | 12160 | 974 | 14940 | 63 | -2 | 10.4 | 5.6 | -380 | -1 | -1 | 9.0 | 3731 | 72 | 2.8 | -126 | 0.389 | | | |
| 16-44.7286-113.9406-2-12- | 0-119443 | 20290 | 1014 | 15110 | -3A | -2 | 19.4 | 7.5 | 599 | -2 | -1 | 9.8 | 4426 | 137 | 3.1 | -57 | 0.480 | | | |
| 16-44.7311-113.9286-2-12- | 0-119444 | 28420 | 1144 | 11030 | -45 | -3 | 23.3 | 5.0 | -366 | -2 | -1 | 7.2 | 4710 | 153 | -2.1 | 117 | 1.125 | | | |
| 16-44.4308-113.7858-2-11- | 0-119445 | 25420 | 353 | 4876 | -22 | -1 | 6.4 | 4.6 | 338 | -1 | -1 | 5.6 | 1656 | 68 | -1.0 | 102 | 0.679 | | | |
| 16-44.4300-113.8092-2-15- | 0-119446 | 20180 | 656 | 9106 | 53 | 5 | 7.7 | 4.6 | -234 | -1 | -1 | 8.4 | 3190 | 72 | 2.9 | 114 | 0.298 | | | |
| 16-44.4102-113.7958-2-15- | 0-119447 | 21080 | 894 | 11170 | 62 | -2 | 9.2 | 6.1 | -230 | -1 | -1 | 8.8 | 3178 | 87 | 2.8 | 137 | 0.295 | | | |
| 16-44.3572-113.8047-2-15- | 0-119449 | 9294 | 754 | 11320 | 79 | -2 | 11.0 | 6.9 | -262 | -1 | -1 | 10.6 | 3520 | 79 | 3.5 | 177 | 0.264 | | | |
| 16-44.3464-113.7814-2-15- | 0-119450 | 12110 | 506 | 8048 | -22 | -1 | 7.4 | 5.2 | -238 | -1 | -1 | 7.7 | 2906 | 62 | 2.6 | 75 | 0.325 | | | |
| 16-44.4617-113.8197-2-15- | 0-119451 | 19010 | 498 | 7451 | 49 | 1 | 6.6 | 4.5 | -218 | -1 | -1 | 7.0 | 2921 | 63 | 1.9 | 113 | 0.343 | | | |
| 16-44.4631-113.8119-2-12- | 0-119452 | 18720 | 499 | 16210 | 43 | -2 | 6.5 | 5.0 | 505 | -1 | -1 | 7.0 | 2467 | 57 | 3.2 | -55 | 0.371 | | | |
| 16-44.4825-113.8139-2-15- | 0-119453 | 24300 | 390 | 5564 | 79 | -1 | 8.4 | 3.9 | -203 | -1 | -1 | 6.9 | 2127 | 78 | -1.2 | 165 | 0.391 | | | |
| 16-44.4986-113.8539-2-15- | 0-119454 | 8290 | 716 | 6532 | 79 | -2 | 11.6 | -0.7 | -277 | -1 | -1 | 11.1 | 3406 | 143 | 3.0 | 164 | 0.270 | | | |
| 16-44.3696-113.8214-2-15- | 0-119455 | 9258 | 869 | 10920 | -27 | -2 | 9.5 | 5.3 | -293 | -1 | -1 | 9.0 | 3543 | 71 | 3.0 | 181 | 0.289 | | | |
| 16-44.3203-113.7867-2-11- | 0-119456 | 9602 | 242 | 2270 | -19 | -1 | 5.1 | 3.5 | -119 | -1 | -1 | 5.2 | 1905 | 76 | 2.6 | -42 | 0.769 | | | |
| 16-44.3119-113.8347-2-15- | 0-119457 | 9056 | 841 | 10230 | -31 | -2 | 9.0 | 4.6 | -304 | -1 | -1 | 8.5 | 3120 | 65 | 3.5 | 199 | 0.306 | | | |
| 16-44.3136-113.8367-2-15- | 0-119458 | 7095 | 861 | 12430 | 80 | -2 | 9.9 | 6.7 | -357 | -1 | -1 | 9.2 | 3143 | 74 | -1.3 | 188 | 0.304 | | | |
| 16-44.3122-113.8678-2-15- | 0-119459 | 7766 | 660 | 6899 | 62 | -2 | 7.2 | 3.2 | -295 | -1 | -1 | 6.8 | 3136 | 64 | -1.5 | 256 | 0.368 | | | |
| 16-44.3078-113.7983-2-15- | 0-119460 | 10610 | 675 | 9309 | 56 | -2 | 10.2 | 5.0 | -209 | -1 | -1 | 8.7 | 3209 | 80 | 2.8 | -30 | 0.299 | | | |
| 16-44.2914-113.7992-2-15- | 0-119461 | 12590 | 748 | 9689 | 64 | -2 | 14.0 | 6.2 | -248 | -1 | -1 | 10.6 | 3719 | 97 | 4.0 | 168 | 0.255 | | | |
| 16-44.2633-113.8092-2-15- | 0-119462 | 8120 | 748 | 8311 | 66 | 2 | 10.4 | 6.7 | -265 | -1 | 1 | 10.0 | 3567 | 84 | 3.6 | 163 | 0.340 | | | |
| 16-44.2631-113.8042-2-15- | 0-119463 | 8222 | 797 | 6456 | 56 | -2 | 8.3 | 4.4 | -293 | -1 | -1 | 8.1 | 2440 | 69 | 3.1 | 256 | 0.370 | | | |
| 16-44.2661-113.7639-2-09- | 0-119464 | 15270 | 907 | 11580 | 111 | -2 | 17.9 | 6.4 | -246 | -1 | -1 | 10.9 | 4814 | 136 | -1.7 | -54 | 0.440 | | | |
| 16-44.2553-113.8233-2-15- | 0-119465 | 6426 | 736 | 8387 | -28 | -2 | 9.0 | 4.3 | -271 | -1 | -1 | 8.0 | 3102 | 69 | 4.4 | 252 | 0.400 | | | |
| 16-44.2494-113.8223-2-15- | 0-119466 | 6532 | 846 | 10250 | 79 | -2 | 9.6 | 6.2 | -336 | -2 | -1 | 8.5 | 3580 | 69 | 4.0 | 184 | 0.329 | | | |
| 16-44.2492-113.7700-2-15- | 0-119467 | 8497 | 660 | 8178 | 66 | -2 | 8.6 | 5.3 | -270 | -1 | -1 | 10.3 | 2522 | 71 | -1.3 | 177 | 0.291 | | | |
| 16-44.2314-113.7506-2-15- | 0-119468 | 7554 | 704 | 7433 | -29 | -2 | 8.0 | 4.5 | -236 | -1 | -1 | 7.9 | 2816 | 82 | 2.6 | 164 | 0.392 | | | |
| 16-44.2497-113.8153-2-15- | 0-119469 | 6605 | 668 | 7079 | -29 | -2 | 9.7 | 5.4 | -253 | -1 | -1 | 8.7 | 3005 | 88 | 4.7 | 243 | 0.460 | | | |
| 16-44.2342-113.8117-2-11- | 0-119470 | 5845 | 922 | 8374 | 65 | -2 | 9.9 | 6.5 | -303 | -1 | -1 | 9.3 | 3398 | 88 | 3.8 | 277 | 0.398 | | | |
| 16-44.1893-113.8572-2-15- | 0-119472 | 6696 | 349 | 5945 | 83 | -2 | 8.8 | 6.0 | -205 | -1 | -1 | 9.8 | 2898 | 170 | 2.9 | 222 | 0.347 | | | |
| 16-44.1778-113.8544-2-15- | 0-119473 | 6716 | 581 | 8112 | -30 | -2 | 8.8 | 5.6 | -265 | -2 | -1 | 9.3 | 3025 | 86 | 3.8 | 127 | 0.570 | | | |
| 16-44.1708-113.8547-2-11- | 0-119474 | 6211 | 101 | 4084 | 56 | -2 | 7.4 | 4.9 | -139 | -1 | -1 | 7.3 | 2417 | 152 | -1.2 | 158 | 0.836 | | | |
| 16-44.1583-113.8606-2-11- | 0-119475 | 26790 | 277 | 8467 | -24 | -1 | 6.5 | 5.5 | -226 | -1 | -1 | 8.1 | 2476 | 72 | -1.4 | 111 | 0.321 | | | |
| 16-44.1556-113.8697-2-12- | 0-119476 | 12190 | 229 | 5563 | 98 | -2 | 8.7 | 5.0 | -215 | -1 | -1 | 7.5 | 3322 | 166 | -1.3 | 290 | 0.453 | | | |
| 16-44.1394-113.9025-2-12- | 0-119477 | 16200 | 446 | 5885 | 72 | -2 | 7.7 | 5.6 | 400 | -1 | -1 | 8.4 | 2847 | 166 | 2.8 | 224 | 0.429 | | | |
| 16-44.2983-113.8975-2-15- | 0-119478 | 39390 | 645 | 6492 | 53 | 2 | 7.3 | 3.7 | -243 | -1 | -1 | 7.1 | 1978 | 94 | -1.1 | 355 | 0.352 | | | |
| 16-44.2661-113.9267-2-11- | 0-119479 | 9417 | 615 | 4060 | 81 | -2 | 11.5 | -0.7 | -300 | -2 | -1 | 10.0 | 2845 | 216 | 2.6 | 217 | 0.390 | | | |
| 16-44.2672-113.9064-2-15- | 0-119480 | 13620 | 709 | 6777 | 56 | -1 | 8.4 | 5.0 | -260 | -1 | -1 | 9.5 | 2823 | 109 | 2.3 | 200 | 0.274 | | | |
| 16-44.2136-113.8997-2-15- | 0-119481 | 5823 | 881 | 11570 | 63 | 2 | 9.3 | 5.8 | -240 | -1 | -1 | 10.4 | 2975 | 98 | 4.9 | 168 | 0.288 | | | |
| 16-44.2494-113.8972-2-15- | 0-119482 | 10230 | 505 | 8169 | 57 | 2 | 7.7 | 4.6 | -205 | -1 | -1 | 9.3 | 2675 | 83 | -1.1 | 113 | 0.301 | | | |
| 16-44.2194-113.9253-2-15- | 0-119483 | 22700 | 668 | 5903 | 61 | -1 | 6.5 | 5.0 | -279 | -1 | -1 | 6.9 | 1917 | 52 | 3.1 | 108 | 0.333 | | | |
| 16-44.2425-113.9328-2-09- | 0-119484 | 4407 | 474 | 4941 | -25 | -1 | 6.7 | 4.0 | -229 | -1 | -1 | 7.3 | 2687 | 76 | 3.5 | 172 | 0.342 | | | |
| 16-44.2414-113.9286-2-15- | 0-119485 | 6167 | 216 | 11310 | 83 | -2 | 7.6 | 5.6 | -203 | -1 | -1 | 9.6 | 3190 | 51 | -1.4 | 101 | 1.781 | | | |
| 16-44.2239-113.9289-2-12- | 0-119486 | 9908 | 598 | 4546 | 67 | -2 | 9.2 | 6.6 | -264 | -1 | -1 | 8.3 | 3048 | 124 | 3.3 | 222 | 0.386 | | | |
| 16-44.1922-113.8119-2-15- | 0-119487 | 8746 | 557 | 7770 | 51 | -2 | 7.7 | 4.6 | -240 | -1 | -1 | 8.1 | 2922 | 69 | -1.1 | 286 | 0.321 | | | |
| 16-44.1892-113.9061-2-15- | 0-119488 | 8924 | 826 | 8872 | -30 | -2 | 9.0 | 5.7 | -247 | -1 | -1 | 9.1 | 3116 | 77 | 3.6 | -99 | 0.286 | | | |
| 16-44.1878-113.9042-2-15- | 0-119489 | 6576 | 548 | 6608 | 67 | -1 | 9.2 | 5.0 | -211 | -1 | -1 | 8.6 | 2551 | 133 | 4.0 | 281 | 0.430 | | | |
| 16-44.1914-113.8803-2-09- | 0-119491 | 6298 | 112 | 1315 | -20 | -1 | 5.4 | -0.7 | 277 | -1 | -1 | 4.4 | 1546 | 152 | -1.2 | 206 | 0.909 | | | |
| 16-44.1547-113.9614-2-11- | 0-119492 | 16070 | 248 | 5972 | -36 | -4 | 5.6 | 2.7 | 359 | -1 | -1 | 5.4 | 1893 | 61 | -2.1 | 97 | 0.527 | | | |
| 16-44.1500-113.9792-2-15- | 0-119493 | 9390 | 893 | 9882 | 66 | 4 | 9.0 | 4.5 | -297 | -1 | -1 | 9.2 | 3071 | 96 | 3.1 | 198 | 0.348 | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | LAST SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | | | |
|---|----------|-----------|---------|-------------|-----------|--|--------------|------|-----------------|-------------------|----------|----------------------|-------|------------------------|-----------------------------|-----------|-------------|---------------|----------------|-----------------|-------------|----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|--------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAST SAMPLE LOCATION NUMBER | TIME SAMPLED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (umho/cm) | SCINTILLOMETER (dU/ppm) | ROCK TYPE | ROCK COLOR | SEDIMENT TYPE | SEDIMENT COLOR | WATER FLOW | WATER LEVEL | STREAM CHANNEL | VEGETATION TYPE | VEGETATION DENSITY | RELIEF | WEATHER | OWNERSHIP | CONTAMINANTS | WELL TYPE | WELL DIAMETER (INCHES) | WELL DEPTH (FEET) | WATER DEPTH (FEET) | SEDIMENT SAMPLES ANALYZED BY DELAYED NEUTRON COUNTING (DNC) | UNITS IN ppm |
| | | | | | | | DATE | HOUR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44.1355-113.9614-2-15-0-119404-07/03/79-16-30- | | | | | | | | | | | | | | | 13-2-6-5-6- | -1- | -2-4- | -1-2-1- | -3- | | | | | | | | | | | | | 2.90 | | |
| 16-44.4222-113.3553-2-12-0-119405-07/03/79-15-30-9.4- | | | | | | | | | | | | 7.6- | 55- | | 3-2-6-2-3-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 4.00 | | |
| 16-44.4319-113.3511-2-17-0-119406-07/03/79-16-30-11.1- | | | | | | | | | | | | 8.3- | 21- | | 17-2-6-2-3-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 3.60 | | |
| 16-44.3972-113.4097-2-17-0-119407-07/03/79-16-29-14.0- | | | | | | | | | | | | 8.0- | 42- | | 3-2-6-2-6-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 6.00 | | |
| 16-44.3953-113.4075-2-12-0-119408-07/03/79-16-29-13.8- | | | | | | | | | | | | 7.8- | 47- | | 11-2-6-2-6-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 5.70 | | |
| 16-44.3793-113.4019-2-12-0-119409-07/03/79-16-29-13.1- | | | | | | | | | | | | 7.6- | 55- | | 5-2-6-3-6-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 5.80 | | |
| 16-44.3644-113.3553-2-12-0-119500-07/03/79-17-28-13.3- | | | | | | | | | | | | 7.5- | 70- | | 10-2-6-3-6-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 7.30 | | |
| 16-44.3644-113.3733-2-12-0-119501-07/03/79-17-28-16.8- | | | | | | | | | | | | 7.5- | 80- | | 3-2-6-2-6-3-3-1-2-1-2-3-2- | -3- | -3- | | | | | | | | | | | | | | | 3.80 | | |
| 16-44.3586-113.3700-2-12-0-119502-07/03/79-17-28-14.6- | | | | | | | | | | | | 7.6- | 34- | | 2-2-6-2-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 4.4C | | |
| 16-44.3356-113.3600-2-12-0-119503-07/03/79-17-28-15.6- | | | | | | | | | | | | 7.6- | 280- | | 5-2-6-2-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 4.30 | | |
| 16-44.3375-113.3567-2-12-0-119504-07/03/79-17-28-17.6- | | | | | | | | | | | | 7.7- | 175- | | 10-2-6-2-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 4.70 | | |
| 16-44.3600-113.3722-2-17-0-119505-07/03/79-17-28-10.8- | | | | | | | | | | | | 7.6- | 175- | | 10-2-1-5-6-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 7.50 | | |
| 16-44.3572-113.3303-2-12-0-119506-07/03/79-18-27-10.1- | | | | | | | | | | | | 7.8- | 220- | | 13-2-6-5-6-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 2.00 | | |
| 16-44.3397-113.3505-2-12-0-119507-07/03/79-18-27-14.9- | | | | | | | | | | | | 8.2- | 160- | | 3-2-6-3-3-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 3.00 | | |
| 16-44.3200-113.3372-2-17-0-119508-07/03/79-18-27-18.1- | | | | | | | | | | | | 8.1- | 270- | | 2-2-6-5-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 2.50 | | |
| 16-44.3064-113.3356-2-17-0-119509-07/03/79-18-26-10.8- | | | | | | | | | | | | 8.2- | 160- | | 5-2-6-3-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 1.40 | | |
| 16-44.2903-113.3053-2-11-0-119510-07/03/79-19-27-17.0- | | | | | | | | | | | | 8.4- | 190- | | 13-2-6-3-6-3-3-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 3.90 | | |
| 16-44.2686-113.2664-2-12-0-119511-07/03/79-19-27-9.9- | | | | | | | | | | | | 8.4- | 240- | | 3-2-6-3-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 1.40 | | |
| 16-44.2567-113.2850-2-17-0-119512-07/03/79-19-27-9.4- | | | | | | | | | | | | 8.1- | 245- | | 5-2-6-2-1-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 0.9C | | |
| 16-44.2597-113.2333-2-12-0-119513-07/03/79-19-26-15.4- | | | | | | | | | | | | 8.8- | 90- | | 13-2-6-2-1-3-2-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 4.60 | | |
| 16-44.3078-113.2750-2-11-0-119514-07/03/79-20-25-15.1-C | | | | | | | | | | | | 7.6- | 1475- | | 17-2-6-5-6-2-2-4-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 3.20 | | |
| 16-44.3067-113.2647-2-15-0-119515-07/03/79-20-25- | | | | | | | | | | | | | | | 19-2-6-5-6- | -1- | -2-3-3-3-2- | -3- | | | | | | | | | | | | | | | 5.10 | |
| 16-44.4172-113.2142-2-12-0-119516-07/03/79-21-24-9.4- | | | | | | | | | | | | 8.5- | 145- | | 16-2-6-2-6-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 9.2C | | |
| 16-44.4158-113.2167-2-11-0-119517-07/03/79-21-20-12.2- | | | | | | | | | | | | 8.3- | 170- | | 16-2-6-5-8-3-3-1-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 7.40 | |
| 16-44.1523-113.2332-2-15-0-119518-07/04/79-10-28- | | | | | | | | | | | | | | | 8-2-6-3-6- | -1- | -2-3-2-3-2- | -3- | | | | | | | | | | | | | | | 2.50 | |
| 16-44.1317-113.2144-2-11-0-119519-07/04/79-11-29-12.8- | | | | | | | | | | | | 7.9- | 260- | | 10-2-6-5-6-2-2-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | 33.20 | | |
| 16-44.1393-113.2200-2-11-0-119520-07/04/79-11-29-17.6- | | | | | | | | | | | | 7.6- | 265- | | 11-2-6-5-6-2-2-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 4.90 | |
| 16-44.1614-113.2397-2-11-0-119521-07/04/79-12-29-18.2- | | | | | | | | | | | | 7.9- | 305- | | 12-2-6-5-6-3-2-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 2.10 | |
| 16-44.3736-113.3508-2-12-0-119522-07/04/79-14-29-12.1- | | | | | | | | | | | | 8.3- | 33- | | 12-2-6-3-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 5.30 | |
| 16-44.3178-113.4683-2-15-0-119523-07/04/79-14-30- | | | | | | | | | | | | | | | 11-2-6-5-6- | -1- | -2-3-3-3-2- | -3- | | | | | | | | | | | | | | | 2.40 | |
| 16-44.3106-113.4544-2-17-0-119524-07/04/79-15-31-16.8- | | | | | | | | | | | | 8.4- | 120- | | 12-2-6-3-7-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 1.60 | |
| 16-44.2803-113.4822-2-11-0-119525-07/04/79-15-31-18.1- | | | | | | | | | | | | 8.2- | 280- | | 4-2-6-5-6-3-3-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 2.00 | |
| 16-44.2711-113.5211-2-15-0-119526-07/04/79-15-31- | | | | | | | | | | | | | | | 7-2-6-2-6- | -1- | -2-1-3-3-2- | -3- | | | | | | | | | | | | | | | 1.60 | |
| 16-44.2559-113.4492-2-11-0-119527-07/04/79-16-31-26.9-C | | | | | | | | | | | | 8.4- | 330- | | 5-1-6-5-6-3-3-2-2-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 3.60 | |
| 16-44.2600-113.4393-2-11-0-119528-07/04/79-16-31-11.2- | | | | | | | | | | | | 8.4- | 305- | | 8-2-6-5-6-2-3-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 2.30 | |
| 16-44.2992-113.5019-2-11-0-119529-07/04/79-16-30-16.8- | | | | | | | | | | | | 8.6- | 175- | | 8-2-6-5-6-3-3-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 1.90 | |
| 16-44.3106-113.5108-2-11-0-119530-07/04/79-16-30-11.8- | | | | | | | | | | | | 8.1- | 155- | | 5-2-6-5-6-3-3-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 2.50 | |
| 16-44.3081-113.5256-2-15-0-119531-07/04/79-17-30- | | | | | | | | | | | | | | | 7-2-6-5-6- | -1- | -2-3-3-3-2- | -3- | | | | | | | | | | | | | | | 3.10 | |
| 16-44.3496-113.5104-2-15-0-119532-07/04/79-17-30- | | | | | | | | | | | | | | | 11-2-6-5-6- | -1- | -2-3-3-3-2- | -3- | | | | | | | | | | | | | | | 3.90 | |
| 16-44.3469-113.5272-2-15-0-119533-07/04/79-17-30- | | | | | | | | | | | | | | | 15-2-6-3-6- | -1- | -2-3-3-3-2- | -3- | | | | | | | | | | | | | | | 3.80 | |
| 16-44.3489-113.4582-2-12-0-119534-07/04/79-17-29-10.0- | | | | | | | | | | | | 8.3- | 38- | | 9-2-6-2-6-3-3-1-2-1-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 2.90 | |
| 16-44.3431-113.3167-2-11-0-119535-07/04/79-17-25-15.2- | | | | | | | | | | | | 8.2- | 80- | | 7-2-6-5-6-2-2-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 2.70 | |
| 16-44.3009-113.7456-2-11-0-119536-07/04/79-18-29-19.4- | | | | | | | | | | | | 8.2- | 295- | | 9-2-6-5-6-3-2-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 3.10 | |
| 16-44.3069-113.7278-2-11-0-119537-07/04/79-18-29-14.7- | | | | | | | | | | | | 7.9- | 295- | | 13-2-6-5-6-3-3-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 6.60 | |
| 16-44.2900-113.7067-2-12-0-119538-07/04/79-19-28-16.8- | | | | | | | | | | | | 8.1- | 265- | | 12-2-6-5-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 2.90 | |
| 16-44.2728-113.5553-2-12-0-119539-07/04/79-19-28-14.9- | | | | | | | | | | | | 8.5- | 215- | | 10-2-6-2-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 3.60 | |
| 16-44.2706-113.5455-2-12-0-119540-07/04/79-19-28-17.1- | | | | | | | | | | | | 8.3- | 285- | | 9-2-3-5-6-3-3-1-2-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 3.10 | |
| 16-44.2639-113.5225-2-11-0-119541-07/04/79-19-27-14.0- | | | | | | | | | | | | 7.8- | 150- | | 12-2-7-5-6-2-2-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 7.80 | |
| 16-44.2669-113.5375-2-11-0-119542-07/04/79-20-26-9.6- | | | | | | | | | | | | 7.6- | 195- | | 8-2-6-5-6-3-3-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 3.30 | |
| 16-44.2772-113.4444-2-11-0-119543-07/04/79-21-25-15.3- | | | | | | | | | | | | 7.7- | 260- | | 11-2-6-5-6-2-2-1-3-3-3-2- | -3- | -3- | | | | | | | | | | | | | | | | 3.40 | |
| 16-44.3053-113.4397-2-11-0-119544-07/04/ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | | |
|-------------------|----------|-----------|---------|-------------|-----------|---|---|-----|-----|-----|----|-----|-----|----|----|-----|----|--|------------------------------|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LAB SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li |
| 16-44 | 1356 | -113.5614 | -2-15 | 0-110404 | -5 | 7 | -5 | 31 | -20 | 183 | -5 | -10 | -15 | 13 | -5 | 159 | 2 | 19 | | |
| 16-44 | 4372 | -113.3953 | -2-12 | 0-110405 | -5 | 7 | -5 | 29 | -20 | -15 | 35 | -10 | 23 | -5 | -5 | 287 | 2 | 18 | | |
| 16-44 | 4319 | -113.3911 | -2-12 | 0-110406 | -5 | -5 | -5 | -10 | -20 | -15 | 15 | -10 | -15 | 5 | -5 | 320 | 2 | 14 | | |
| 16-44 | 3072 | -113.4097 | -2-12 | 0-110407 | -5 | 6 | -5 | 21 | -20 | -15 | 25 | -10 | -15 | -5 | -5 | 547 | 2 | 17 | | |
| 16-44 | 3953 | -113.4075 | -2-12 | 0-110408 | -5 | -5 | -5 | 27 | -20 | -15 | 30 | -10 | -15 | -5 | -5 | 314 | 2 | 13 | | |
| 16-44 | 3783 | -113.4019 | -2-12 | 0-110409 | -5 | -5 | -5 | 39 | -20 | 43 | 8 | -10 | -15 | 8 | -5 | 172 | 1 | 22 | | |
| 16-44 | 3644 | -113.3953 | -2-12 | 0-110500 | -5 | 8 | -5 | 21 | -20 | -15 | 17 | -10 | -15 | 5 | -5 | 135 | -1 | 4 | | |
| 16-44 | 3644 | -113.3733 | -2-12 | 0-110501 | -5 | 8 | -5 | 53 | -20 | 38 | 35 | -10 | 24 | 19 | -5 | 223 | 2 | 28 | | |
| 16-44 | 3586 | -113.3700 | -2-12 | 0-110502 | -5 | 5 | -5 | 32 | -20 | 20 | 53 | -10 | -15 | -5 | -5 | 213 | 1 | 15 | | |
| 16-44 | 3356 | -113.3600 | -2-12 | 0-110503 | -5 | 6 | -5 | 32 | -20 | -15 | 29 | -10 | -15 | -5 | -5 | 188 | 2 | 19 | | |
| 16-44 | 3375 | -113.3567 | -2-12 | 0-110504 | -5 | 10 | -5 | 37 | -20 | 15 | 31 | -10 | -15 | 10 | -5 | 162 | 1 | 18 | | |
| 16-44 | 3600 | -113.3222 | -2-12 | 0-110505 | -5 | -5 | -5 | 29 | -20 | -15 | 45 | -10 | -15 | -5 | -5 | 155 | -1 | 19 | | |
| 16-44 | 3572 | -113.3203 | -2-12 | 0-110506 | -5 | -5 | -5 | 32 | -20 | -15 | 54 | -10 | -15 | -5 | -5 | 146 | 1 | 29 | | |
| 16-44 | 3397 | -113.3508 | -2-12 | 0-110507 | -5 | -5 | -5 | 20 | -20 | -15 | 16 | -10 | -15 | -5 | -5 | 230 | 2 | 26 | | |
| 16-44 | 3200 | -113.3372 | -2-12 | 0-110508 | -5 | -5 | -5 | 33 | -20 | 22 | 48 | -10 | -15 | 9 | -5 | 149 | 1 | 27 | | |
| 16-44 | 3064 | -113.3256 | -2-12 | 0-110509 | -5 | -5 | -5 | 13 | -20 | -15 | 5 | -10 | -15 | 10 | -5 | 83 | -1 | 8 | | |
| 16-44 | 2803 | -113.3053 | -2-11 | 0-110510 | -5 | 7 | -5 | 16 | -20 | -15 | 7 | -10 | -15 | 9 | -5 | 290 | 2 | 25 | | |
| 16-44 | 2686 | -113.2964 | -2-12 | 0-110511 | -5 | -5 | -5 | 13 | -20 | -15 | 12 | -10 | -15 | -5 | -5 | 66 | -1 | 7 | | |
| 16-44 | 2547 | -113.2850 | -2-12 | 0-110512 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | 10 | -5 | 42 | -1 | 11 | | |
| 16-44 | 2597 | -113.3333 | -2-12 | 0-110513 | -5 | 5 | -5 | 27 | 23 | 28 | 14 | -10 | -15 | 5 | -5 | 216 | 2 | 29 | | |
| 16-44 | 3078 | -113.3750 | -2-11 | 0-110514 | -5 | 6 | -5 | 18 | -20 | -15 | 18 | -10 | -15 | -5 | -5 | 181 | 2 | 26 | | |
| 16-44 | 3067 | -113.3647 | -2-15 | 0-110515 | -5 | -5 | -5 | 31 | -20 | -15 | 15 | -10 | -15 | 5 | -5 | 185 | 2 | 25 | | |
| 16-44 | 4172 | -113.4214 | -2-12 | 0-110516 | -5 | 5 | -5 | 27 | -20 | 21 | 18 | -10 | -15 | 5 | -5 | 203 | 3 | 109 | | |
| 16-44 | 4158 | -113.4167 | -2-11 | 0-110517 | -5 | -5 | -5 | 27 | -20 | 27 | 20 | -10 | -15 | 5 | -5 | 287 | 3 | 104 | | |
| 16-44 | 1533 | -113.5333 | -2-15 | 0-110518 | -5 | -5 | -5 | 20 | -20 | 38 | 17 | -10 | -15 | 18 | -5 | 108 | -1 | 17 | | |
| 16-44 | 1317 | -113.5144 | -2-11 | 0-110519 | -5 | -5 | -5 | 44 | -20 | 16 | -5 | -10 | -15 | 10 | -5 | 93 | -1 | 14 | | |
| 16-44 | 1383 | -113.5200 | -2-11 | 0-110520 | -5 | -5 | -5 | 60 | -20 | 98 | -5 | -10 | -15 | 5 | -5 | 132 | 1 | 28 | | |
| 16-44 | 1614 | -113.5297 | -2-11 | 0-110521 | -5 | 5 | -5 | 70 | -20 | 113 | 7 | -10 | 18 | -5 | -5 | 124 | 2 | 21 | | |
| 16-44 | 3736 | -113.3508 | -2-12 | 0-110522 | -5 | -5 | -5 | 28 | -20 | -15 | 66 | -10 | -15 | -5 | -5 | 199 | 2 | 27 | | |
| 16-44 | 3126 | -113.4683 | -2-15 | 0-110523 | -5 | -5 | -5 | 23 | -20 | 20 | 16 | -10 | -15 | 9 | -5 | 189 | 1 | 42 | | |
| 16-44 | 3106 | -113.4644 | -2-12 | 0-110524 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 177 | -1 | 9 | | |
| 16-44 | 2803 | -113.4822 | -2-11 | 0-110525 | -5 | -5 | -5 | -10 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 176 | -1 | 4 | | |
| 16-44 | 2711 | -113.5211 | -2-15 | 0-110526 | -5 | -5 | -5 | 23 | -20 | -15 | 7 | -10 | -15 | 5 | -5 | 122 | 2 | 16 | | |
| 16-44 | 2680 | -113.4492 | -2-11 | 0-110527 | -5 | 5 | -5 | 35 | -20 | 46 | 30 | -10 | -15 | -5 | -5 | 169 | 2 | 20 | | |
| 16-44 | 2600 | -113.4383 | -2-11 | 0-110528 | -5 | -5 | -5 | 20 | -20 | 20 | 6 | -10 | 16 | -5 | -5 | 139 | -1 | 17 | | |
| 16-44 | 2992 | -113.5019 | -2-11 | 0-110529 | -5 | 7 | -5 | 74 | -20 | 24 | 9 | -10 | 19 | 8 | -5 | 157 | 1 | 23 | | |
| 16-44 | 3106 | -113.5108 | -2-11 | 0-110530 | -5 | 7 | -5 | 22 | -20 | -15 | 5 | -10 | -15 | 6 | -5 | 188 | 1 | 17 | | |
| 16-44 | 3081 | -113.5256 | -2-15 | 0-110531 | -5 | 8 | -5 | 26 | -20 | 16 | 15 | -10 | -15 | 11 | -5 | 224 | 2 | 41 | | |
| 16-44 | 3486 | -113.5194 | -2-15 | 0-110532 | -5 | 7 | -5 | 19 | -20 | 15 | 10 | -10 | 16 | -5 | -5 | 261 | 2 | 16 | | |
| 16-44 | 3469 | -113.5272 | -2-15 | 0-110533 | -5 | -5 | -5 | 17 | -20 | -15 | 6 | -10 | 16 | 5 | -5 | 218 | 2 | 19 | | |
| 16-44 | 3489 | -113.4983 | -2-12 | 0-110534 | -5 | 6 | -5 | 21 | -20 | -15 | 19 | -10 | -15 | 6 | -5 | 197 | 2 | 24 | | |
| 16-44 | 3431 | -113.5167 | -2-11 | 0-110535 | -5 | -5 | -5 | 28 | -20 | -15 | 6 | -10 | -15 | 7 | -5 | 159 | 2 | 14 | | |
| 16-44 | 3008 | -113.7456 | -2-11 | 0-110536 | -5 | -5 | -5 | 42 | -20 | 38 | 13 | -10 | -15 | -5 | -5 | 139 | 2 | 20 | | |
| 16-44 | 3060 | -113.7278 | -2-11 | 0-110537 | -5 | -5 | -5 | 49 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 123 | 1 | 15 | | |
| 16-44 | 2900 | -113.7067 | -2-12 | 0-110538 | -5 | -5 | -5 | 34 | -20 | 16 | 9 | -10 | -15 | 8 | -5 | 153 | 3 | 36 | | |
| 16-44 | 2728 | -113.6553 | -2-12 | 0-110539 | -5 | -5 | -5 | 20 | -20 | 45 | 9 | -10 | -15 | 9 | -5 | 175 | 2 | 20 | | |
| 16-44 | 2706 | -113.6458 | -2-12 | 0-110540 | -5 | 5 | -5 | 46 | -20 | 40 | 9 | -10 | 16 | 5 | -5 | 160 | 3 | 26 | | |
| 16-44 | 2639 | -113.6225 | -2-11 | 0-110541 | -5 | 6 | -5 | 20 | -20 | 16 | 5 | -10 | -15 | 10 | -5 | 214 | 1 | 14 | | |
| 16-44 | 2669 | -113.6375 | -2-11 | 0-110542 | -5 | -5 | -5 | 16 | -20 | -15 | 14 | -10 | -15 | 5 | -5 | 171 | 3 | 111 | | |
| 16-44 | 2772 | -113.6444 | -2-11 | 0-110543 | -5 | -5 | -5 | 17 | -20 | -15 | 8 | -10 | -15 | 6 | -5 | 144 | 2 | 27 | | |
| 16-44 | 3053 | -113.6397 | -2-11 | 0-110544 | -5 | -5 | -5 | 45 | -20 | 29 | -5 | -10 | -15 | 7 | -5 | 170 | 4 | 39 | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|-----------|--|---|------|--------|-----|------|------|-----|------|-----|-----|-------|-------|-------|-------|------|-----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu |
| 16-44 | 1356 | -113.5614 | -2-15- | 0-110404 | | 57700 | -0.10 | 1365 | 37080 | 80 | -88 | 86 | 7.2 | 780 | 4.2 | 4 | 1.4 | 47930 | 5.4 | 17460 | 47 | 0.2 |
| 16-44 | 4322 | -113.3953 | -2-12- | 0-110405 | | 47710 | -0.11 | 702 | 8668 | 62 | 86 | 7.2 | 52 | 4.0 | 5 | 1.1 | 22900 | 13.9 | 14640 | 35 | 0.4 | |
| 16-44 | 4319 | -113.3911 | -2-12- | 0-110406 | | 37600 | -0.12 | 352 | 3602 | 54 | 85 | 3.7 | 41 | 5.9 | 6 | 1.1 | 14370 | 14.1 | 12950 | 28 | 0.4 | |
| 16-44 | 3972 | -113.4097 | -2-12- | 0-110407 | | 40020 | -0.15 | 457 | 5515 | 92 | 123 | 4.6 | 64 | 4.8 | 7 | 1.2 | 21080 | 29.5 | 13330 | 50 | 0.6 | |
| 16-44 | 3953 | -113.4075 | -2-12- | 0-110408 | | 49680 | -0.14 | 714 | 7106 | 75 | -58 | 6.7 | 56 | 6.7 | 7 | 1.5 | 20900 | 15.0 | 16600 | 43 | 0.5 | |
| 16-44 | 3793 | -113.4019 | -2-12- | 0-110409 | | 65590 | -0.18 | 1115 | 44130 | 33 | -104 | 26.5 | 218 | 4.1 | 4 | 1.6 | 57950 | 6.0 | 15690 | 52 | 0.3 | |
| 16-44 | 3644 | -113.3833 | -2-12- | 0-110500 | | 59920 | -0.18 | 982 | 31280 | 72 | -118 | 18.7 | 35 | 3.1 | 4 | 1.2 | 39280 | 4.8 | 14450 | 40 | 0.2 | |
| 16-44 | 3644 | -113.3733 | -2-12- | 0-110501 | | 69810 | -0.19 | 1270 | 20050 | 141 | -88 | 26.3 | 68 | 4.8 | 6 | 2.0 | 36800 | 8.4 | 18950 | 92 | 0.4 | |
| 16-44 | 3586 | -113.3700 | -2-12- | 0-110502 | | 53010 | -0.17 | 1004 | 10070 | 74 | 139 | 6.7 | 50 | 4.2 | 6 | 1.2 | 18540 | 8.3 | 14390 | -12 | 0.4 | |
| 16-44 | 3556 | -113.3600 | -2-12- | 0-110503 | | 49430 | -0.13 | 673 | 18900 | 60 | -70 | 7.2 | 50 | 3.0 | 4 | 1.0 | 17310 | 7.5 | 11390 | 34 | 0.2 | |
| 16-44 | 3375 | -113.3567 | -2-12- | 0-110504 | | 56740 | -0.18 | 674 | 18660 | 68 | -86 | 8.7 | 66 | 4.6 | 7 | 1.1 | 23380 | 7.2 | 16200 | 46 | 0.3 | |
| 16-44 | 3600 | -113.3222 | -2-12- | 0-110505 | | 48640 | -0.22 | 621 | 17370 | 51 | 228 | 8.4 | 52 | 5.3 | 4 | 1.0 | 20030 | 5.8 | 12940 | -14 | 0.3 | |
| 16-44 | 3577 | -113.3303 | -2-12- | 0-110506 | | 43210 | -0.16 | 458 | 25100 | 64 | 146 | 8.1 | 51 | 3.6 | 4 | 1.1 | 22870 | 7.6 | 12410 | -11 | 0.3 | |
| 16-44 | 3397 | -113.3508 | -2-12- | 0-110507 | | 50980 | -0.12 | 681 | 20200 | 54 | 172 | 5.8 | 60 | 5.0 | 4 | 0.9 | 19030 | 8.8 | 14790 | 26 | 0.3 | |
| 16-44 | 3200 | -113.3372 | -2-12- | 0-110508 | | 56170 | -0.15 | 956 | 21610 | 69 | -100 | 10.8 | 65 | 4.4 | 4 | 1.2 | 27000 | 7.4 | 18720 | 34 | 0.3 | |
| 16-44 | 3064 | -113.3356 | -2-12- | 0-110509 | | 14690 | -0.09 | 189 | 170900 | 21 | 296 | 3.2 | 30 | -0.9 | 1 | 0.4 | 8515 | 3.0 | 5428 | -9 | -0.1 | |
| 16-44 | 2803 | -113.3053 | -2-11- | 0-110510 | | 51980 | -0.14 | 1111 | 8901 | 68 | -66 | 6.0 | 65 | 7.9 | 4 | 1.1 | 20600 | 13.2 | 21300 | 36 | 0.3 | |
| 16-44 | 2886 | -113.2964 | -2-12- | 0-110511 | | 17220 | -0.05 | 196 | 166500 | 22 | 319 | 3.3 | 32 | 1.6 | 2 | 0.4 | 8433 | 2.8 | 4777 | 12 | 0.1 | |
| 16-44 | 2547 | -113.2850 | -2-12- | 0-110512 | | 7740 | -0.04 | -73 | 206000 | 15 | 333 | 3.2 | 33 | -0.8 | 1 | 0.2 | 5881 | 1.4 | 3800 | 8 | 0.1 | |
| 16-44 | 2597 | -113.3323 | -2-12- | 0-110513 | | 63760 | -0.22 | 1021 | 42390 | 97 | -99 | 24.4 | 274 | 3.2 | 5 | 1.7 | 48970 | 9.8 | 15850 | 44 | 0.3 | |
| 16-44 | 3078 | -113.3750 | -2-11- | 0-110514 | | 78650 | -0.14 | 1368 | 30910 | 101 | -95 | 13.6 | 100 | 4.6 | 3 | 1.5 | 26620 | 7.6 | 20630 | 43 | 0.2 | |
| 16-44 | 3067 | -113.3647 | -2-15- | 0-110515 | | 70910 | -0.14 | 1189 | 20850 | 81 | -100 | 13.2 | 80 | 4.3 | 4 | 1.1 | 29190 | 6.3 | 23290 | 36 | 0.3 | |
| 16-44 | 4172 | -113.4214 | -2-12- | 0-110516 | | 69150 | -0.21 | 1152 | 28600 | 89 | 137 | 19.5 | 194 | 4.7 | 6 | 1.8 | 39690 | 8.6 | 18660 | 55 | 0.3 | |
| 16-44 | 4158 | -113.4167 | -2-11- | 0-110517 | | 68110 | -0.21 | 964 | 8404 | 91 | -83 | 15.1 | 93 | 8.0 | 7 | 1.5 | 32750 | 12.1 | 19160 | 71 | 0.5 | |
| 16-44 | 1533 | -113.5233 | -2-15- | 0-110518 | | 36590 | -0.12 | 572 | 105200 | 41 | 136 | 7.9 | 85 | 3.5 | 3 | 0.9 | 21280 | 4.2 | 9613 | 25 | 0.3 | |
| 16-44 | 1317 | -113.5144 | -2-11- | 0-110519 | | 45200 | -0.20 | 919 | 32960 | 41 | -115 | 12.9 | 90 | 6.0 | 3 | 0.9 | 26970 | 3.0 | 16130 | 49 | -0.1 | |
| 16-44 | 1383 | -113.5200 | -2-11- | 0-110520 | | 56950 | -0.21 | 974 | 25490 | 46 | 218 | 16.8 | 238 | 4.3 | 4 | 1.3 | 38840 | 5.4 | 19050 | 29 | 0.2 | |
| 16-44 | 1614 | -113.5297 | -2-11- | 0-110521 | | 54910 | -0.26 | 1077 | 34260 | 68 | -118 | 31.8 | 497 | 4.7 | 4 | 1.2 | 46590 | 4.9 | 21030 | -15 | 0.4 | |
| 16-44 | 3736 | -113.3508 | -2-12- | 0-110522 | | 61460 | -0.19 | 1143 | 11260 | 107 | 150 | 9.9 | 69 | 6.4 | 7 | 1.6 | 30480 | 7.4 | 16880 | 59 | 0.4 | |
| 16-44 | 3128 | -113.4682 | -2-15- | 0-110523 | | 61120 | -0.13 | 735 | 11180 | 61 | 161 | 9.2 | 58 | 4.2 | 4 | 1.0 | 26920 | 7.7 | 17630 | 40 | 0.3 | |
| 16-44 | 3106 | -113.4644 | -2-12- | 0-110524 | | 23970 | -0.06 | 370 | 11960 | 27 | 107 | 2.6 | 54 | -1.0 | -0 | 0.7 | 7482 | 7.7 | 6177 | 7 | 0.2 | |
| 16-44 | 2803 | -113.4822 | -2-11- | 0-110525 | | 16580 | -0.13 | 222 | 79620 | 20 | 212 | 1.9 | 57 | 2.0 | 2 | 0.4 | 6107 | 7.7 | 5494 | -13 | -0.1 | |
| 16-44 | 2711 | -113.5211 | -2-15- | 0-110526 | | 33310 | -0.12 | 415 | 55900 | 39 | 211 | 5.4 | 34 | 3.4 | 3 | 0.6 | 16000 | 4.0 | 13330 | 22 | 0.1 | |
| 16-44 | 2689 | -113.4492 | -2-11- | 0-110527 | | 47220 | -0.13 | 542 | 29640 | 57 | 96 | 6.1 | 116 | 4.9 | 5 | 1.0 | 19680 | 5.9 | 15290 | 30 | 0.3 | |
| 16-44 | 2600 | -113.4383 | -2-11- | 0-110528 | | 30220 | -0.14 | 662 | 78960 | 38 | 464 | 4.9 | 77 | -1.4 | 3 | 0.7 | 12820 | 4.9 | 10760 | -13 | 0.2 | |
| 16-44 | 2992 | -113.5019 | -2-11- | 0-110529 | | 40620 | -0.16 | 496 | 108400 | 50 | -74 | 8.3 | 55 | 2.6 | 3 | 0.9 | 19770 | 6.7 | 10120 | -11 | 0.3 | |
| 16-44 | 3106 | -113.5108 | -2-11- | 0-110530 | | 44610 | -0.15 | 614 | 9133 | 51 | 209 | 6.1 | 50 | 3.2 | 5 | 0.9 | 16880 | 7.1 | 15060 | -11 | 0.3 | |
| 16-44 | 3081 | -113.5356 | -2-15- | 0-110531 | | 62300 | -0.13 | 855 | 9515 | 59 | -83 | 7.8 | 55 | 4.0 | 4 | 0.9 | 24120 | 7.5 | 19570 | 23 | 0.2 | |
| 16-44 | 3486 | -113.5104 | -2-15- | 0-110532 | | 55680 | -0.17 | 505 | 6840 | 57 | 128 | 6.8 | 58 | 3.4 | 6 | 1.2 | 26620 | 10.7 | 17660 | -17 | 0.3 | |
| 16-44 | 3469 | -113.5277 | -2-15- | 0-110533 | | 62020 | -0.21 | 606 | 7887 | 54 | -73 | 7.8 | 65 | 9.8 | 6 | 1.2 | 26600 | 10.0 | 21290 | -14 | 0.3 | |
| 16-44 | 3489 | -113.4983 | -2-12- | 0-110534 | | 55010 | -0.16 | 675 | 10100 | 55 | -98 | 8.8 | 49 | 4.6 | 3 | 1.0 | 23820 | 7.5 | 14950 | -10 | 0.3 | |
| 16-44 | 3431 | -113.5167 | -2-11- | 0-110535 | | 47510 | -0.18 | 400 | 9125 | 53 | -78 | 7.0 | 54 | 3.6 | 4 | 1.0 | 20710 | 6.0 | 11660 | -17 | 0.3 | |
| 16-44 | 3008 | -113.7456 | -2-11- | 0-110536 | | 55170 | -0.24 | 1155 | 32870 | 49 | 215 | 15.1 | 359 | 5.0 | 4 | 1.2 | 30360 | 4.8 | 21430 | -16 | 0.2 | |
| 16-44 | 3069 | -113.7276 | -2-11- | 0-110537 | | 49710 | -0.27 | 952 | 35060 | 50 | 276 | 16.3 | 216 | 5.8 | 4 | 1.2 | 31890 | 5.5 | 19830 | -18 | -0.2 | |
| 16-44 | 2900 | -113.7067 | -2-12- | 0-110538 | | 64600 | -0.18 | 1303 | 38450 | 69 | -105 | 16.3 | 184 | 3.9 | 3 | 1.0 | 34020 | 5.6 | 20000 | 39 | 0.2 | |
| 16-44 | 2728 | -113.6553 | -2-12- | 0-110539 | | 34470 | -0.15 | 789 | 80540 | 63 | 123 | 10.7 | 437 | 3.4 | 5 | 1.3 | 24650 | 9.4 | 12030 | 28 | 0.4 | |
| 16-44 | 2706 | -113.6458 | -2-12- | 0-110540 | | 61370 | -0.22 | 723 | 35590 | 60 | 187 | 15.2 | 141 | 5.5 | 6 | 1.2 | 34040 | 5.5 | 18690 | -15 | 0.3 | |
| 16-44 | 2639 | -113.6225 | -2-11- | 0-110541 | | 50130 | -0.18 | 689 | 13510 | 72 | 251 | 7.6 | 60 | 4.0 | 5 | 1.0 | 20530 | 7.8 | 15320 | -14 | 0.4 | |
| 16-44 | 2669 | -113.6275 | -2-11- | 0-110542 | | 67220 | -0.13 | 625 | 18680 | 61 | 829 | 6.9 | 26 | 5.2 | 5 | 0.9 | 22980 | 5.8 | 32880 | 39 | 0.3 | |
| 16-44 | 2772 | -113.6444 | -2-11- | 0-110543 | | 57770 | -0.18 | 869 | 17110 | 53 | 280 | 6.0 | 42 | 4.2 | 5 | 0.9 | 20570 | 5.8 | 20340 | -17 | 0.3 | |
| 16-44 | 3053 | -113.6397 | -2-11- | 0-110544 | | 60720 | -0.25 | 1108 | 32830 | 78 | 270 | 23.1 | 338 | 4.7 | 4 | 1.4 | 43130 | 6.5 | 22780 | -16 | 0.2 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

| DOE SAMPLE NUMBER | | | | | | LAB. SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|-----------------------------|---|-----|-----|-----|----|----|-----|----|----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.1117-113.1317-2-12- | 0-110545 | -5 | 5 | -5 | 24 | -20 | -15 | 8 | -10 | -15 | 16 | -5 | 59 | -1 | 8 | | | | | | |
| 16-44.1092-113.1336-2-12- | 0-110546 | -5 | -5 | -5 | -10 | -20 | -15 | 571 | -10 | -15 | -5 | -5 | 56 | -1 | 6 | | | | | | |
| 16-44.1106-113.1361-2-11- | 0-110547 | -5 | -5 | -5 | 10 | -20 | -15 | 19 | -10 | -15 | 5 | -5 | 93 | -1 | 15 | | | | | | |
| 16-44.0625-113.1367-2-11- | 0-110548 | -5 | -5 | -5 | -10 | -20 | 28 | 15 | -10 | -15 | -5 | -5 | 254 | 2 | 19 | | | | | | |
| 16-44.0277-113.1950-2-15- | 0-110549 | -5 | -5 | -5 | 24 | -20 | -15 | 28 | -10 | 20 | 6 | -5 | 148 | 2 | 32 | | | | | | |
| 16-44.0306-113.1972-2-15- | 0-110550 | -5 | 7 | -5 | 32 | -20 | 18 | 19 | -10 | -15 | 14 | -5 | 152 | 1 | 30 | | | | | | |
| 16-44.0496-113.2103-2-15- | 0-110551 | -5 | 8 | -5 | 22 | -20 | 27 | 21 | -10 | -15 | 5 | -5 | 193 | -1 | 28 | | | | | | |
| 16-44.0525-113.2161-2-11- | 0-110552 | -5 | -5 | -5 | 15 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 72 | -1 | 9 | | | | | | |
| 16-44.0636-113.2232-2-12- | 0-110553 | -5 | -5 | -5 | -10 | -20 | -15 | 71 | -10 | -15 | -5 | -5 | 62 | -1 | 9 | | | | | | |
| 16-44.0758-113.2317-2-15- | 0-110554 | -5 | -5 | -5 | 15 | -20 | 15 | 31 | -10 | -15 | 14 | -5 | 107 | -1 | 14 | | | | | | |
| 16-44.1025-113.2314-2-12- | 0-110555 | -5 | -5 | -5 | 18 | -20 | -15 | 20 | -10 | -15 | 10 | -5 | 142 | -1 | 17 | | | | | | |
| 16-44.0847-113.2419-2-12- | 0-110556 | -5 | -5 | -5 | 18 | -20 | -15 | 10 | -10 | -15 | -5 | -5 | 139 | 2 | 9 | | | | | | |
| 16-44.1078-113.2617-2-15- | 0-110557 | -5 | -5 | -5 | 26 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 188 | 2 | 42 | | | | | | |
| 16-44.0931-113.2719-2-15- | 0-110558 | -5 | -5 | -5 | 25 | -20 | 23 | 11 | -10 | -15 | 11 | -5 | 170 | 3 | 42 | | | | | | |
| 16-44.0544-113.2536-2-12- | 0-110559 | -5 | -5 | -5 | 11 | -20 | -15 | 6 | -10 | -15 | 8 | -5 | 138 | -1 | 16 | | | | | | |
| 16-44.0519-113.3006-2-15- | 0-110560 | -5 | -5 | -5 | 27 | -20 | 29 | 6 | -10 | 18 | 7 | -5 | 161 | -1 | 30 | | | | | | |
| 16-44.0506-113.2978-2-12- | 0-110561 | -5 | -5 | -5 | 13 | -20 | -15 | -5 | -10 | -15 | 7 | -5 | 111 | -1 | 17 | | | | | | |
| 16-44.0431-113.3325-2-12- | 0-110562 | -5 | -5 | -5 | 12 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 64 | -1 | 15 | | | | | | |
| 16-44.0367-113.3432-2-11- | 0-110563 | -5 | -5 | -5 | -10 | -20 | 15 | 9 | -10 | -15 | 9 | -5 | 105 | -1 | 13 | | | | | | |
| 16-44.0342-113.2667-2-15- | 0-110564 | -5 | 9 | -5 | 10 | -20 | 19 | 12 | -10 | -15 | 14 | -5 | 176 | 2 | 44 | | | | | | |
| 16-44.0033-113.2542-2-15- | 0-110565 | -5 | -5 | -5 | 22 | -20 | -15 | 8 | -10 | -15 | -5 | -5 | 241 | 2 | 27 | | | | | | |
| 16-44.0261-113.2225-2-12- | 0-110566 | -5 | 5 | -5 | 38 | -20 | -15 | 12 | -10 | -15 | 8 | -5 | 161 | 3 | 23 | | | | | | |
| 16-44.0486-113.2308-2-90- | 0-110567 | -5 | 5 | -5 | 48 | -20 | 35 | 19 | -10 | -15 | -5 | -5 | 131 | 1 | 30 | | | | | | |
| 16-44.0019-113.1953-2-12- | 0-110568 | -5 | -5 | -5 | 15 | -20 | -15 | 6 | -10 | -15 | -5 | -5 | 128 | -1 | 12 | | | | | | |
| 16-44.0025-113.1767-2-15- | 0-110569 | -5 | 6 | -5 | 21 | -20 | 20 | 26 | -10 | -15 | 11 | -5 | 131 | 2 | 28 | | | | | | |
| 16-44.0033-113.1686-2-15- | 0-110570 | -5 | -5 | -5 | 11 | -20 | 27 | 24 | -10 | -15 | -5 | -5 | 196 | -1 | 20 | | | | | | |
| 16-44.0042-113.1453-2-15- | 0-110571 | -5 | -5 | -5 | 17 | -20 | -15 | 15 | -10 | -15 | -5 | -5 | 287 | 2 | 18 | | | | | | |
| 16-44.0244-113.1222-2-12- | 0-110572 | -5 | -5 | -5 | 17 | 39 | -15 | 5 | -10 | -15 | 13 | -5 | 181 | 2 | 19 | | | | | | |
| 16-44.0028-113.1308-2-15- | 0-110573 | -5 | 5 | -5 | -10 | 79 | -15 | 10 | -10 | -15 | 11 | -5 | 225 | 2 | 29 | | | | | | |
| 16-44.0047-113.1217-2-15- | 0-110574 | -5 | 6 | -5 | 19 | -20 | -15 | 5 | -10 | -15 | 10 | -5 | 322 | 2 | 20 | | | | | | |
| 16-44.0394-113.0508-2-11- | 0-110575 | -5 | -5 | -5 | 37 | 20 | 28 | 33 | -10 | -15 | 8 | -5 | 151 | 1 | 30 | | | | | | |
| 16-44.0347-113.0575-2-12- | 0-110576 | -5 | -5 | -5 | 24 | -20 | -15 | 38 | -10 | -15 | 31 | -5 | 127 | 1 | 15 | | | | | | |
| 16-44.0350-113.0597-2-15- | 0-110577 | -5 | -5 | -5 | 23 | -20 | 15 | 31 | -10 | -15 | 25 | -5 | 97 | 1 | 11 | | | | | | |
| 16-44.0264-113.0656-2-11- | 0-110578 | -5 | 5 | -5 | 33 | -20 | 16 | 25 | -10 | -15 | 13 | -5 | 99 | -1 | 11 | | | | | | |
| 16-44.0150-113.0636-2-11- | 0-110579 | -5 | -5 | -5 | 40 | 26 | -15 | 18 | -10 | -15 | 8 | -5 | 260 | 2 | 32 | | | | | | |
| 16-44.0061-113.0711-2-12- | 0-110580 | -5 | -5 | -5 | -10 | -20 | 23 | 12 | -10 | -15 | 10 | -5 | 143 | -1 | 11 | | | | | | |
| 16-44.0069-113.0653-2-11- | 0-110581 | -5 | -5 | -5 | 12 | -20 | -15 | 9 | -10 | -15 | -5 | -5 | 281 | 2 | 11 | | | | | | |
| 16-44.0058-113.0625-2-12- | 0-110582 | -5 | -5 | -5 | 24 | 41 | -15 | 25 | -10 | -15 | 8 | -5 | 214 | 2 | 21 | | | | | | |
| 16-44.2083-113.7017-2-12- | 0-110583 | -5 | -5 | -5 | 20 | -20 | 16 | 10 | -10 | -15 | 8 | -5 | 87 | 1 | 18 | | | | | | |
| 16-44.2067-113.7014-2-12- | 0-110584 | -5 | -5 | -5 | 19 | -20 | 51 | -5 | -10 | -15 | 13 | -5 | 150 | 3 | 17 | | | | | | |
| 16-44.1972-113.7221-2-12- | 0-110585 | -5 | -5 | -5 | 13 | -20 | -15 | 11 | -10 | 16 | 6 | -5 | 76 | 1 | 11 | | | | | | |
| 16-44.1711-113.7082-2-15- | 0-110586 | -5 | -5 | -5 | 15 | 20 | -15 | 8 | -10 | -15 | 7 | -5 | 64 | -1 | 7 | | | | | | |
| 16-44.1544-113.7072-2-12- | 0-110587 | -5 | -5 | -5 | 11 | 33 | 32 | 6 | -10 | -15 | 9 | -5 | 320 | 2 | 14 | | | | | | |
| 16-44.1547-113.6978-2-12- | 0-110588 | -5 | -5 | -5 | 38 | 47 | 94 | 5 | -10 | -15 | 9 | -5 | 128 | 3 | 22 | | | | | | |
| 16-44.1533-113.6972-2-12- | 0-110589 | -5 | -5 | -5 | 25 | 50 | 81 | 5 | -10 | -15 | 9 | -5 | 151 | 4 | 19 | | | | | | |
| 16-44.1144-113.6950-2-12- | 0-110590 | -5 | -5 | -5 | 43 | -20 | 97 | 7 | -10 | -15 | 9 | -5 | 129 | 3 | 16 | | | | | | |
| 16-44.1132-113.6964-2-12- | 0-110591 | -5 | -5 | -5 | 45 | 40 | 130 | -5 | -10 | -15 | 18 | -5 | 80 | 3 | 24 | | | | | | |
| 16-44.0975-113.5989-2-12- | 0-110592 | -5 | -5 | -5 | 15 | -20 | 34 | -5 | -10 | -15 | 10 | 5 | 105 | 2 | 20 | | | | | | |
| 16-44.0986-113.6008-2-12- | 0-110593 | -5 | -5 | -5 | 43 | -20 | 65 | -5 | -10 | -15 | 26 | -5 | 141 | 3 | 17 | | | | | | |
| 16-44.1167-113.5647-2-11- | 0-110594 | -5 | -5 | -5 | 28 | -20 | 51 | -5 | -10 | -15 | 17 | 8 | 72 | -1 | 11 | | | | | | |
| 16-44.2486-113.4325-2-15- | 0-110595 | -5 | -5 | -5 | 30 | 21 | 16 | 14 | -10 | 16 | 10 | -5 | 234 | 2 | 30 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

3

148

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | | | | | | |
|---------------------------|----------|-----------|---------|-------------|-----------|--|---|------|-----|------|----|-----|-------|------|-------|-----|------|----|----|---|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE LAB LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K | La | Lu | | |
| 16-44.1117-113.1317-2-12- | 0-119545 | 15750 | -0.04 | 306 | 131400 | 20 | 207 | 3.6 | 37 | 2.3 | -1 | 0.3 | 7809 | 1.4 | 6249 | 9 | 0.1 | | | | | | | |
| 16-44.1092-113.1326-2-12- | 0-119546 | 16400 | -0.06 | 704 | 165000 | 14 | 225 | 4.2 | 40 | 3.5 | 1 | 0.2 | 10130 | 2.4 | 6940 | -3 | 0.1 | | | | | | | |
| 16-44.1106-113.1361-2-11- | 0-119547 | 26340 | -0.13 | 449 | 104200 | 29 | 199 | 4.2 | 43 | 2.7 | 3 | 0.7 | 9601 | 3.9 | 8261 | -14 | 0.2 | | | | | | | |
| 16-44.0675-113.1367-2-11- | 0-119548 | 54250 | -0.17 | 1175 | 17480 | 91 | -77 | 8.5 | 90 | 5.4 | 5 | 1.4 | 24340 | 10.6 | 26210 | 34 | 0.4 | | | | | | | |
| 16-44.0277-113.1950-2-15- | 0-119549 | 54990 | -0.15 | 699 | 44410 | 68 | -88 | 9.5 | 63 | 4.7 | 4 | 1.0 | 24620 | 5.3 | 24360 | -13 | 0.3 | | | | | | | |
| 16-44.0306-113.1972-2-15- | 0-119550 | 53160 | -0.13 | 782 | 72380 | 53 | 150 | 8.1 | 53 | 4.2 | 5 | 0.8 | 23750 | 5.2 | 18600 | 22 | 0.3 | | | | | | | |
| 16-44.0494-113.2103-2-15- | 0-119551 | 40620 | -0.13 | 546 | 83230 | 51 | -83 | 9.3 | 70 | 3.4 | 4 | 1.0 | 22040 | 8.2 | 15760 | 36 | 0.3 | | | | | | | |
| 16-44.0525-113.2161-2-11- | 0-119552 | 16480 | -0.05 | 517 | 162300 | 26 | -72 | 3.9 | 38 | 2.3 | -1 | 0.4 | 8697 | 3.9 | 6300 | 8 | -0.1 | | | | | | | |
| 16-44.0636-113.2223-2-12- | 0-119553 | 11740 | -0.04 | 504 | 192100 | 21 | 210 | 2.7 | 30 | 2.1 | 1 | 0.5 | 6244 | 2.4 | 5760 | 6 | 0.1 | | | | | | | |
| 16-44.0758-113.2317-2-15- | 0-119554 | 26930 | -0.09 | 547 | 152600 | 31 | 169 | 5.3 | 51 | 2.6 | 2 | 0.7 | 13890 | 3.6 | 9402 | -7 | 0.1 | | | | | | | |
| 16-44.1025-113.2314-2-12- | 0-119555 | 20080 | -0.12 | 589 | 103400 | 40 | 349 | 5.8 | 65 | 3.3 | 3 | 0.7 | 14690 | 6.4 | 10230 | -9 | 0.2 | | | | | | | |
| 16-44.0847-113.2419-2-12- | 0-119556 | 29840 | -0.15 | 686 | 92990 | 56 | 144 | 11.1 | 101 | -1.5 | 4 | 1.0 | 23910 | 4.6 | 13280 | 31 | 0.3 | | | | | | | |
| 16-44.1078-113.2617-2-15- | 0-119557 | 55880 | -0.15 | 709 | 40020 | 66 | 222 | 9.4 | 63 | 6.1 | 4 | 1.1 | 26420 | 7.5 | 21260 | 36 | 0.3 | | | | | | | |
| 16-44.0931-113.2719-2-15- | 0-119558 | 56630 | -0.12 | 704 | 50120 | 65 | 150 | 7.9 | 73 | 4.5 | 4 | 1.0 | 23750 | 7.3 | 18770 | 31 | 0.3 | | | | | | | |
| 16-44.0544-113.2536-2-12- | 0-119559 | 29210 | -0.10 | 403 | 124200 | 33 | 150 | 5.1 | 46 | 3.0 | 3 | 0.7 | 13030 | 5.7 | 10720 | -10 | 0.2 | | | | | | | |
| 16-44.0519-113.2606-2-15- | 0-119560 | 46950 | -0.16 | 504 | 84790 | 57 | 144 | 8.1 | 67 | 4.5 | 4 | 0.9 | 22400 | 6.5 | 15560 | 22 | 0.3 | | | | | | | |
| 16-44.0506-113.2578-2-12- | 0-119561 | 22930 | -0.11 | 316 | 143100 | 33 | 253 | 3.2 | 47 | 3.4 | 2 | 0.6 | 9175 | 4.5 | 8105 | -8 | 0.2 | | | | | | | |
| 16-44.0431-113.2325-2-12- | 0-119562 | 17140 | -0.09 | 284 | 177600 | 22 | 295 | 2.6 | 29 | 2.5 | 2 | 0.4 | 8198 | 2.2 | 7145 | -9 | -0.1 | | | | | | | |
| 16-44.0367-113.2433-2-11- | 0-119563 | 24700 | -0.14 | 432 | 19700 | 29 | 276 | 3.4 | 37 | 2.6 | 2 | 0.6 | 11180 | 5.2 | 11040 | -14 | 0.2 | | | | | | | |
| 16-44.0342-113.2667-2-15- | 0-119564 | 62440 | -0.19 | 894 | 20910 | 74 | 132 | 8.5 | 73 | 5.5 | 6 | 1.1 | 28870 | 6.2 | 21040 | 40 | 0.3 | | | | | | | |
| 16-44.0033-113.2542-2-15- | 0-119565 | 50900 | -0.14 | 775 | 44740 | 71 | 157 | 8.6 | 87 | 3.6 | 4 | 1.0 | 23680 | 11.6 | 15270 | 44 | 0.5 | | | | | | | |
| 16-44.0261-113.2225-2-12- | 0-119566 | 50240 | -0.15 | 888 | 62630 | 58 | 124 | 11.1 | 142 | 3.1 | 4 | 1.1 | 29530 | 6.4 | 17260 | 42 | 0.2 | | | | | | | |
| 16-44.0486-113.2208-2-99- | 0-119567 | 40130 | -0.14 | 623 | 64860 | 57 | -84 | 11.9 | 92 | 4.7 | 4 | 1.1 | 26790 | 5.2 | 17320 | 45 | 0.3 | | | | | | | |
| 16-44.0019-113.1953-2-12- | 0-119568 | 33150 | -0.15 | 670 | 106300 | 44 | 173 | 5.2 | 97 | -1.4 | 3 | 0.8 | 13760 | 6.0 | 13330 | -11 | 0.2 | | | | | | | |
| 16-44.0025-113.1767-2-15- | 0-119569 | 43200 | -0.14 | 535 | 73930 | 53 | -74 | 7.3 | 67 | 4.0 | 4 | 0.9 | 20370 | 6.1 | 18430 | 37 | 0.3 | | | | | | | |
| 16-44.0033-113.1686-2-15- | 0-119570 | 42210 | -0.11 | 589 | 68470 | 48 | 182 | 7.3 | 76 | 3.4 | 4 | 0.8 | 20030 | 7.3 | 16830 | -8 | 0.2 | | | | | | | |
| 16-44.0042-113.1453-2-15- | 0-119571 | 42880 | -0.12 | 522 | 29150 | 72 | -69 | 6.5 | 74 | 3.3 | 5 | 1.1 | 23070 | 12.8 | 19220 | 44 | 0.4 | | | | | | | |
| 16-44.0244-113.1222-2-12- | 0-119572 | 41330 | -0.18 | 802 | 76900 | 56 | 185 | 5.7 | 37 | 3.8 | 5 | 1.0 | 17600 | 7.8 | 21710 | -12 | 0.4 | | | | | | | |
| 16-44.0028-113.1308-2-15- | 0-119573 | 55330 | -0.14 | 724 | 17560 | 77 | -76 | 8.5 | 64 | 4.7 | 5 | 1.1 | 23570 | 9.4 | 25440 | 46 | 0.4 | | | | | | | |
| 16-44.0047-113.1217-2-15- | 0-119574 | 52850 | -0.11 | 541 | 12530 | 71 | -63 | 7.2 | 74 | 4.0 | 5 | 1.2 | 26270 | 14.7 | 25270 | 38 | 0.5 | | | | | | | |
| 16-44.0394-113.0508-2-11- | 0-119575 | 48150 | -0.19 | 665 | 23660 | 55 | -104 | 9.3 | 55 | 4.0 | 4 | 1.0 | 21990 | 6.5 | 12450 | 37 | 0.3 | | | | | | | |
| 16-44.0347-113.0575-2-12- | 0-119576 | 30480 | -0.15 | 483 | 89740 | 27 | 192 | 6.6 | 44 | 4.2 | 3 | 0.7 | 16060 | 5.5 | 12130 | -12 | 0.2 | | | | | | | |
| 16-44.0350-113.0597-2-15- | 0-119577 | 25720 | -0.12 | 276 | 113600 | 38 | 260 | 6.3 | 42 | 3.3 | 2 | 0.6 | 17390 | 4.2 | 10050 | -8 | 0.1 | | | | | | | |
| 16-44.0264-113.0656-2-11- | 0-119578 | 22960 | -0.11 | 527 | 158200 | 23 | 150 | 5.6 | 27 | 2.0 | 2 | 0.5 | 11640 | 3.4 | 8728 | -12 | -0.1 | | | | | | | |
| 16-44.0150-113.0636-2-11- | 0-119579 | 63760 | -0.17 | 625 | 8835 | 76 | -88 | 11.0 | 51 | 4.6 | 7 | 1.4 | 27970 | 11.3 | 22540 | 40 | 0.3 | | | | | | | |
| 16-44.0061-113.0711-2-12- | 0-119580 | 25090 | -0.05 | 495 | 90110 | 32 | 187 | 3.5 | 68 | 2.8 | 3 | 0.4 | 12660 | 6.7 | 8723 | 19 | 0.2 | | | | | | | |
| 16-44.0069-113.0853-2-11- | 0-119581 | 42370 | -0.15 | 1008 | 7876 | 58 | -60 | 4.9 | 79 | 2.9 | 4 | 1.0 | 12220 | 13.3 | 17000 | -9 | 0.3 | | | | | | | |
| 16-44.0058-113.0825-2-12- | 0-119582 | 52640 | -0.14 | 789 | 25900 | 56 | -82 | 6.4 | 56 | 4.4 | 4 | 0.8 | 19940 | 8.0 | 25340 | -11 | 0.2 | | | | | | | |
| 16-44.2093-113.7017-2-12- | 0-119583 | 22800 | -0.14 | 974 | 120800 | 31 | 180 | 8.3 | 108 | 3.0 | 2 | 0.6 | 17340 | 3.6 | 10410 | -10 | 0.2 | | | | | | | |
| 16-44.2067-113.7014-2-12- | 0-119584 | 38380 | -0.17 | 823 | 73890 | 61 | -61 | 8.3 | 204 | 3.4 | 4 | 1.1 | 20140 | 6.5 | 16040 | 36 | 0.3 | | | | | | | |
| 16-44.1972-113.7231-2-12- | 0-119585 | 25890 | -0.12 | 1027 | 162600 | 19 | 226 | 7.1 | 102 | 2.0 | 2 | 0.4 | 15230 | 2.5 | 9580 | -8 | -0.1 | | | | | | | |
| 16-44.1711-113.7083-2-15- | 0-119586 | 13700 | -0.04 | 267 | 184000 | 19 | 286 | 4.4 | 47 | 2.0 | 1 | 0.3 | 10270 | 1.8 | 4310 | 9 | 0.1 | | | | | | | |
| 16-44.1544-113.7072-2-12- | 0-119587 | 41600 | -0.14 | 855 | 42730 | 84 | -63 | 7.2 | 212 | 2.7 | 4 | 1.5 | 18540 | 13.3 | 14360 | 45 | 0.4 | | | | | | | |
| 16-44.1547-113.6978-2-12- | 0-119588 | 53180 | -0.18 | 633 | 54770 | 46 | 146 | 19.1 | 310 | 4.2 | 4 | 1.2 | 37110 | 5.1 | 19240 | -16 | 0.3 | | | | | | | |
| 16-44.1533-113.6972-2-12- | 0-119589 | 43870 | -0.12 | 1037 | 64160 | 69 | -55 | 6.3 | 206 | 4.5 | 4 | 1.5 | 20990 | 6.3 | 17450 | 43 | 0.4 | | | | | | | |
| 16-44.1144-113.6950-2-12- | 0-119590 | 37530 | -0.12 | 780 | 49150 | 51 | -51 | 4.4 | 150 | 3.5 | 5 | 1.3 | 16280 | 4.3 | 15510 | 47 | 0.3 | | | | | | | |
| 16-44.1133-113.6964-2-12- | 0-119591 | 41960 | -0.15 | 1120 | 38390 | 48 | 76 | 6.4 | 179 | 5.3 | 5 | 1.4 | 21750 | 3.5 | 15830 | 28 | 0.4 | | | | | | | |
| 16-44.0975-113.6989-2-12- | 0-119592 | 29960 | -0.14 | 543 | 51330 | 37 | 341 | 7.0 | 192 | 5.2 | 3 | 1.0 | 18870 | 4.4 | 13760 | 29 | -0.1 | | | | | | | |
| 16-44.0986-113.6008-2-12- | 0-119593 | 32830 | -0.11 | 2242 | 97870 | 57 | -56 | 4.7 | 188 | 4.4 | 5 | 0.8 | 17480 | 5.1 | 13960 | 52 | 0.3 | | | | | | | |
| 16-44.1167-113.6847-2-11- | 0-119594 | 21860 | -0.20 | -229 | 43170 | 29 | 391 | 5.0 | 84 | 7.0 | -2 | 0.6 | 13890 | 3.2 | 11000 | -21 | -0.2 | | | | | | | |
| 16-44.2486-113.4325-2-15- | 0-119595 | 58170 | -0.14 | 713 | 9920 | 75 | -80 | 9.6 | 68 | 4.0 | 4 | 1.3 | 25520 | 9.3 | 19050 | 37 | 0.4 | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO | | | |
|---------------------------|-----------|-----------|---------|-------------|---------|---|----------|--------|---|----|------|------|-------|------|------|-------|-------|----|----|---------------|----|---|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REMARKS | DOE LAB | LOCATION | NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | | Ti | V | Yb |
| 16-44.1117-113.1317-2-12- | 0-1105545 | 64880 | 239 | 1415 | -17 | -1 | 2.7 | 1.5 | -167 | -1 | 2.6 | 932 | 30 | -0.8 | -21 | 0.615 | | | | | | | |
| 16-44.1092-113.1336-2-12- | 0-1105546 | 50900 | 229 | 1390 | -25 | -1 | 2.8 | 1.3 | -177 | -1 | 2.7 | 740 | 36 | -1.0 | 150 | 1.556 | | | | | | | |
| 16-44.1106-113.1261-2-11- | 0-1105547 | 67400 | 151 | 2567 | -30 | -3 | 4.5 | 2.8 | -165 | -1 | 4.2 | 1475 | 31 | -1.8 | -85 | 0.953 | | | | | | | |
| 16-44.0625-113.1267-2-11- | 0-1105548 | 8715 | 543 | 8025 | 125 | -4 | 8.2 | 6.0 | -242 | -1 | -1 | 11.2 | 3746 | 62 | 5.8 | -62 | 0.321 | | | | | | |
| 16-44.0272-113.1050-2-15- | 0-1105549 | 20660 | 847 | 8245 | 135 | -4 | 8.6 | 6.8 | -290 | -1 | -1 | 9.5 | 3015 | 66 | 3.9 | 196 | 0.274 | | | | | | |
| 16-44.0306-113.1072-2-15- | 0-1105550 | 19610 | 700 | 8448 | 79 | -3 | 8.0 | 3.9 | -222 | -1 | 7.5 | 2341 | 65 | -1.7 | 116 | 0.347 | | | | | | | |
| 16-44.0494-113.2103-2-15- | 0-1105551 | 25240 | 572 | 6723 | 80 | -3 | 7.5 | 5.5 | -211 | -1 | -1 | 8.0 | 2463 | 65 | -1.7 | 109 | 0.325 | | | | | | |
| 16-44.0525-113.2161-2-11- | 0-1105552 | 35460 | 305 | 2876 | -27 | -2 | 3.0 | 1.4 | -199 | -1 | 3.0 | -618 | 28 | -1.2 | -64 | 0.700 | | | | | | | |
| 16-44.0626-113.2223-2-12- | 0-1105553 | 65880 | 252 | 1190 | -18 | -1 | 2.3 | 1.0 | -139 | -1 | 2.5 | 760 | 28 | -0.7 | -69 | 0.680 | | | | | | | |
| 16-44.0494-113.2217-2-15- | 0-1105554 | 46790 | 497 | 3251 | 56 | -2 | 4.7 | 2.8 | -156 | -1 | 4.6 | 1389 | 56 | -1.1 | 115 | 0.500 | | | | | | | |
| 16-44.1025-113.2314-2-12- | 0-1105555 | 22470 | 391 | 4219 | -28 | -3 | 5.3 | 3.3 | -189 | -1 | 5.2 | 1786 | 53 | -2.0 | -101 | 0.442 | | | | | | | |
| 16-44.0847-113.2419-2-12- | 0-1105556 | 31120 | 381 | 7526 | -29 | -4 | 9.3 | 3.6 | 393 | -1 | -1 | 6.3 | 2945 | 78 | -1.9 | -50 | 0.381 | | | | | | |
| 16-44.1079-113.2617-2-15- | 0-1105557 | 21390 | 864 | 10110 | -33 | -4 | 9.3 | 4.2 | -282 | -1 | -1 | 10.2 | 3048 | 63 | 2.8 | -90 | 0.265 | | | | | | |
| 16-44.0931-113.2719-2-15- | 0-1105558 | 18170 | 798 | 9160 | 80 | -3 | 6.6 | 4.6 | -213 | -1 | 8.7 | 3050 | 74 | 3.6 | 160 | 0.310 | | | | | | | |
| 16-44.0544-113.2526-2-12- | 0-1105559 | 28880 | 317 | 5244 | -24 | -3 | 4.7 | 3.0 | -175 | -1 | 5.3 | 1946 | 38 | -1.8 | -37 | 0.396 | | | | | | | |
| 16-44.0519-113.3006-2-15- | 0-1105560 | 23630 | 568 | 7359 | 69 | -4 | 7.4 | 3.9 | -270 | -1 | -1 | 7.9 | 2873 | 62 | 3.1 | 168 | 0.316 | | | | | | |
| 16-44.0506-113.2978-2-12- | 0-1105561 | 54410 | 214 | 4129 | -22 | -3 | 3.8 | 2.6 | -178 | -1 | 4.2 | 1568 | 32 | -1.4 | 84 | 0.452 | | | | | | | |
| 16-44.0431-113.3325-2-12- | 0-1105562 | 55280 | 259 | 2012 | -21 | -2 | 3.0 | 2.6 | -163 | -1 | 3.0 | 1201 | 34 | -1.4 | 45 | 0.667 | | | | | | | |
| 16-44.0247-113.3433-2-11- | 0-1105563 | 28830 | 252 | 3523 | -28 | -4 | 4.0 | 2.9 | -193 | -1 | 4.4 | 1663 | 35 | -1.8 | 113 | 0.682 | | | | | | | |
| 16-44.0342-113.2667-2-15- | 0-1105564 | 10710 | 871 | 9052 | -38 | -5 | 9.8 | 6.3 | -314 | -1 | -1 | 9.8 | 3350 | 80 | -2.6 | 170 | 0.286 | | | | | | |
| 16-44.0033-113.2542-2-15- | 0-1105565 | 14140 | 670 | 9367 | 66 | -4 | 8.1 | 5.4 | -239 | -1 | -1 | 9.3 | 3654 | 65 | 3.3 | 135 | 0.333 | | | | | | |
| 16-44.0261-113.2225-2-12- | 0-1105566 | 30130 | 541 | 8445 | 98 | -4 | 12.1 | 4.7 | -197 | -1 | 7.4 | 2882 | 96 | -2.1 | 81 | 0.432 | | | | | | | |
| 16-44.0488-113.2208-2-09- | 0-1105567 | 22250 | 604 | 7262 | 84 | -4 | 9.8 | 5.5 | -210 | -1 | -1 | 8.0 | 2614 | 71 | -2.0 | 190 | 0.350 | | | | | | |
| 16-44.0019-113.1953-2-12- | 0-1105568 | 25080 | 249 | 6653 | -32 | -4 | 6.0 | 3.1 | -210 | -1 | 5.0 | 1842 | 51 | -2.3 | -23 | 0.460 | | | | | | | |
| 16-44.0025-113.1767-2-15- | 0-1105569 | 27510 | 624 | 6297 | -28 | -4 | 6.9 | 4.7 | -237 | -1 | -1 | 6.5 | 2767 | 67 | -2.2 | 168 | 0.385 | | | | | | |
| 16-44.0032-113.1886-2-15- | 0-1105570 | 25140 | 608 | 6759 | 59 | -3 | 6.3 | 4.0 | -186 | -1 | 8.0 | 2377 | 70 | -1.5 | 87 | 0.338 | | | | | | | |
| 16-44.0042-113.1453-2-15- | 0-1105571 | 11400 | 427 | 6250 | 83 | -3 | 7.4 | 5.8 | -174 | -1 | -1 | 10.3 | 2908 | 57 | 4.8 | 78 | 0.301 | | | | | | |
| 16-44.0244-113.1222-2-12- | 0-1105572 | 7958 | 502 | 5366 | 73 | -4 | 5.9 | 4.2 | -255 | -1 | -1 | 11.0 | 2656 | 45 | -2.8 | -114 | 0.236 | | | | | | |
| 16-44.0029-113.1308-2-15- | 0-1105573 | 8893 | 618 | 10210 | 102 | -4 | 7.9 | 6.6 | -233 | -1 | -1 | 11.2 | 3514 | 59 | 3.4 | 128 | 0.265 | | | | | | |
| 16-44.0047-113.1217-2-15- | 0-1105574 | 8349 | 527 | 7739 | 71 | -3 | 7.6 | 5.4 | -161 | -1 | 13.0 | 3685 | 66 | 4.6 | 75 | 0.292 | | | | | | | |
| 16-44.0394-113.0508-2-11- | 0-1105575 | 7704 | 825 | 6335 | -44 | -5 | 6.9 | 4.6 | -315 | -1 | -1 | 7.8 | 3193 | 65 | -2.4 | 283 | 0.487 | | | | | | |
| 16-44.0347-113.0575-2-12- | 0-1105576 | 36540 | 568 | 4350 | -33 | -4 | 5.3 | 2.5 | -268 | -1 | 5.4 | 1937 | 50 | -2.2 | 148 | 0.463 | | | | | | | |
| 16-44.0350-113.0597-2-15- | 0-1105577 | 56000 | 628 | 2666 | -25 | -3 | 4.6 | -1.1 | -226 | -1 | 5.0 | 1711 | 44 | -1.7 | 255 | 0.400 | | | | | | | |
| 16-44.0264-113.0656-2-11- | 0-1105578 | 47550 | 339 | 2973 | -25 | -3 | 3.4 | 2.2 | -179 | -1 | 3.7 | 1455 | 38 | -1.5 | 140 | 0.541 | | | | | | | |
| 16-44.0150-113.0626-2-11- | 0-1105579 | 5222 | 513 | 6948 | 108 | -4 | 9.4 | 6.1 | -232 | -1 | -1 | 12.5 | 2986 | 65 | 3.8 | 82 | 0.280 | | | | | | |
| 16-44.0061-113.0711-2-12- | 0-1105580 | 36690 | 213 | 3288 | -20 | -1 | 4.1 | 2.1 | -151 | -1 | 4.5 | 1588 | 40 | 1.9 | 150 | 0.711 | | | | | | | |
| 16-44.0069-113.0853-2-11- | 0-1105581 | 6589 | 108 | 6061 | -25 | -4 | 6.1 | 4.6 | -144 | -1 | -1 | 11.5 | 2672 | 46 | 3.1 | 70 | 0.313 | | | | | | |
| 16-44.0058-113.0825-2-12- | 0-1105582 | 14040 | 554 | 8148 | 90 | -3 | 6.5 | 4.2 | -211 | -1 | -1 | 9.9 | 2854 | 63 | -1.9 | 76 | 0.293 | | | | | | |
| 16-44.2083-113.7017-2-12- | 0-110583 | 55840 | 459 | 4241 | -32 | -4 | 7.5 | 3.0 | 261 | -1 | 4.1 | 1676 | 59 | -2.1 | 54 | 0.610 | | | | | | | |
| 16-44.2067-113.7014-2-12- | 0-110584 | 24840 | 293 | 4142 | -32 | -4 | 8.4 | 3.7 | 331 | -1 | -1 | 6.6 | 2657 | 128 | -2.1 | 141 | 0.561 | | | | | | |
| 16-44.1972-113.7221-2-12- | 0-110585 | 71840 | 562 | 3186 | 38 | -3 | 5.9 | 1.9 | -204 | -1 | 2.9 | 1212 | 52 | -1.6 | 47 | 0.621 | | | | | | | |
| 16-44.1711-113.7082-2-15- | 0-110586 | 38900 | 339 | 1110 | -20 | -1 | 3.0 | 1.3 | -168 | -1 | 2.0 | 907 | 27 | -0.8 | 45 | 0.650 | | | | | | | |
| 16-44.1544-113.7077-2-12- | 0-110587 | 21080 | 386 | 4684 | -25 | -3 | 7.8 | 5.7 | -203 | -1 | -1 | 8.4 | 2960 | 101 | -1.9 | -92 | 0.452 | | | | | | |
| 16-44.1547-113.6978-2-12- | 0-110588 | 20110 | 698 | 9626 | -39 | -4 | 15.1 | 5.5 | -273 | -1 | -1 | 6.7 | 3548 | 107 | -2.5 | 135 | 0.328 | | | | | | |
| 16-44.1532-113.6972-2-12- | 0-110589 | 12960 | 237 | 4307 | 77 | -3 | 9.1 | 7.3 | -125 | -1 | -1 | 7.9 | 2793 | 161 | -1.6 | 166 | 0.582 | | | | | | |
| 16-44.1144-113.6900-2-12- | 0-110590 | 12380 | 202 | 1251 | 40 | -3 | 6.7 | 6.2 | -142 | -1 | -1 | 6.7 | 2780 | 158 | 4.1 | 259 | 0.687 | | | | | | |
| 16-44.1122-113.6964-2-12- | 0-110591 | 10830 | 229 | 1567 | -27 | -3 | 8.4 | 5.2 | -160 | -1 | -1 | 7.0 | 2500 | 220 | 3.4 | 280 | 0.743 | | | | | | |
| 16-44.0975-113.6989-2-12- | 0-110592 | 12880 | 477 | 7359 | -26 | -3 | 8.0 | 5.8 | -208 | -1 | -1 | 4.9 | 2585 | 73 | -2.1 | 222 | 1.041 | | | | | | |
| 16-44.0988-113.6008-2-12- | 0-110593 | 13000 | 229 | 1419 | 59 | 3 | 6.3 | 4.9 | -138 | -1 | -1 | 6.1 | 2060 | 149 | 2.6 | 190 | 0.721 | | | | | | |
| 16-44.1167-113.5847-2-11- | 0-110594 | 8954 | 1604 | 2180 | -34 | -4 | 3.0 | 3.6 | -481 | -2 | -1 | -1.6 | -1088 | 50 | -3.0 | 268 | | | | | | | |
| 16-44.2486-113.4225-2-15- | 0-110595 | 4552 | 784 | 9103 | -27 | -3 | 8.6 | 5.6 | -264 | -1 | -1 | 12.4 | 3838 | 64 | 3.1 | 92 | 0.258 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

①

| DOE SAMPLE NUMBER | | | | | | LASI SAMPLE LOCATION NUMBER AND FIELD DATA | | | | | | | | | | | | | | | | | U CONCENTRATION | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|-----------|--|---------------|------|-----------------|-------------------|----------|----------------------|------|------------------------|----------------------|---------------|-------------|---------------|----------------|------------|-------------|-------------|-----------------|-----------------|--------------------|--------|---------|-----------|--------------|-----------|------------------------|-------------------|--------------------|---|--------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | LASI SAMPLE LOCATION NUMBER | TIME SAMP. ED | | AIR TEMPERATURE | WATER TEMPERATURE | COMMENTS | SPECIAL MEASUREMENTS | PH | CONDUCTIVITY (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 | HOOR | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16-44 | 2342 | -113.4592 | -2-11- | 0-119596 | -07/04/79 | -3- | 24- | 9.3- | - | - | - | 7.4- | 70- | - | 5-2-7-5-6-3-2-1- | -2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.00 | | |
| 16-44 | 2492 | -113.4602 | -2-15- | 0-119597 | -07/04/79 | -3- | 24- | - | - | - | - | - | - | - | 11-2-7-4-6- | -1- | -2-3-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | |
| 16-44 | 2447 | -113.3944 | -2-15- | 0-119598 | -07/04/79 | -10- | 26- | - | - | - | - | - | - | - | 6-4-7-4-6- | -1- | -2-3-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.80 | | |
| 16-44 | 2119 | -113.3100 | -2-12- | 0-119599 | -07/04/79 | -10- | 27-13.5- | - | - | - | - | 7.9- | 253- | - | 5-4-7-5-6-3-3-1- | -2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 16-44 | 1811 | -113.4136 | -2-15- | 0-119600 | -07/03/79 | -14- | 27- | - | - | - | - | - | - | - | 8-2-7-2-7- | -1- | -2-3-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | |
| 16-44 | 2139 | -113.2072 | -2-12- | 0-119601 | -07/04/79 | -11- | 27-14.1- | - | - | - | - | 8.0- | 64- | - | 11-2-1-5-6-3-3-1- | -2-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | |
| 16-44 | 2314 | -113.2519 | -2-15- | 0-119602 | -07/04/79 | -11- | 28- | - | - | - | - | - | - | - | 5-2-7-2-7- | -1- | -2-3-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.50 | | |
| 16-44 | 2292 | -113.2551 | -2-11- | 0-119603 | -07/04/79 | -11- | 29- | 8.1- | C- | - | - | 7.6- | 173- | - | 6-2-7-5-8-4-3-1- | -2-3-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.50 | | | |
| 16-44 | 2244 | -113.2557 | -2-11- | 0-119604 | -07/04/79 | -11- | 28- | 8.7- | - | - | - | 7.7- | 192- | - | 18-2-1-5-7-2-3- | -1- | -2-2-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | |
| 16-44 | 2354 | -113.2758 | -2-11- | 0-119605 | -07/04/79 | -12- | 29-14.8- | - | - | - | - | 7.6- | 226- | - | 4-2-1-5-6-2- | -1- | -2-2-4-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.40 | | |
| 16-44 | 1967 | -113.2689 | -2-15- | 0-119606 | -07/04/79 | -12- | 28- | - | - | - | - | - | - | - | 2-2-1-4-6- | -1- | -3-3-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | |
| 16-44 | 1950 | -113.2708 | -2-15- | 0-119607 | -07/04/79 | -13- | 29- | - | - | - | - | - | - | - | 5-2-1-4-6- | -1- | -2-3-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | |
| 16-44 | 2097 | -113.3219 | -2-15- | 0-119608 | -07/04/79 | -13- | 29- | - | - | - | - | - | - | - | 8-4-7-4-6- | -1- | -2-3-3-1-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | |
| 16-44 | 1778 | -113.3232 | -2-15- | 0-119609 | -07/04/79 | -13- | 29- | - | - | - | - | - | - | - | 5-4-7-4-6- | -1- | -2-3-3-1-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | |
| 16-44 | 0478 | -113.4551 | -2-12- | 0-119610 | -07/04/79 | -14- | 29-14.7- | C- | - | - | - | 7.6- | 182- | - | 12-4-7-5-6-3-3- | -2-3-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.10 | | |
| 16-44 | 0297 | -113.4653 | -2-12- | 0-119611 | -07/04/79 | -15- | 29-15.9- | - | - | - | - | 7.6- | 228- | - | 18-4-7-5-6-3-3- | -1-2-2-3-5-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 16-44 | 0022 | -113.4952 | -2-11- | 0-119612 | -07/04/79 | -16- | 26- | 9.3- | - | - | - | 7.8- | 71- | - | 24-2-7-5-8-2-3- | -1- | -1-3-5-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.90 | | | |
| 16-44 | 0178 | -113.2952 | -2-12- | 0-119613 | -07/04/79 | -17- | 27-12.7- | C- | - | - | - | 7.6- | 70- | - | 8-1-7-5-8-3-3- | -1-2-3-3-4-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.10 | | | |
| 16-44 | 0486 | -113.4150 | -2-12- | 0-119614 | -07/04/79 | -16- | 28-24.3- | - | - | - | - | 8.2- | 348- | - | 13-4-6-5-6-2-2- | -1-2-3-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.10 | | | |
| 16-44 | 0733 | -113.4851 | -2-12- | 0-119615 | -07/04/79 | -17- | 28-18.4- | - | - | - | - | 7.8- | 304- | - | 14-4-7-5-6-2-2- | -1-2-3-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.30 | | | |
| 16-44 | 0991 | -113.4931 | -2-09- | 0-119616 | -07/04/79 | -17- | 28- | - | C- | - | - | - | - | - | 15-1-6-5-8- | -1- | -3-3-4-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | |
| 16-44 | 1072 | -113.4725 | -2-12- | 0-119617 | -07/04/79 | -17- | 27-18.7- | C- | - | - | - | 7.9- | 419- | - | 11-1-6-5-8-2-2- | -1-2-3-3-4-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44 | 0011 | -113.9422 | -2-11- | 0-119618 | -07/08/79 | -11- | 26-13.6- | C- | - | - | - | 7.3- | 238- | - | 17-4-3-4-8-1-2- | -1- | -3-3-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.50 | | | |
| 16-44 | 1031 | -113.4242 | -2-12- | 0-119619 | -07/04/79 | -18- | 26-22.2- | C- | - | - | - | 8.2- | 451- | - | 8-1-7-5-8-2-2- | -1-2-3-3-3-2- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.50 | | | |
| 16-44 | 1647 | -113.9157 | -2-15- | 0-119620 | -07/03/79 | -16- | 30- | - | - | - | - | - | - | - | 10-2-6-5-6- | -1- | -2-4-1-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | |
| 16-44 | 1297 | -113.6439 | -2-12- | 0-119621 | -07/03/79 | -16- | 30- | 9.0- | - | - | - | 8.3- | 139- | - | 4-2-6-4-7-3-2- | -1-2-1-1-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.20 | | | |
| 16-44 | 1319 | -113.6359 | -2-11- | 0-119622 | -07/03/79 | -17- | 30- | 6.8- | - | - | - | 8.1- | 190- | - | 4-2-6-5-6-2-2- | -1- | -2-1-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.40 | | | |
| 16-44 | 1439 | -113.6497 | -2-15- | 0-119623 | -07/03/79 | -17- | 30- | - | - | - | - | - | - | - | 6-2-6-5-7- | -1- | -2-3-2-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.40 | | | |
| 16-44 | 1497 | -113.8278 | -2-09- | 0-119624 | -07/03/79 | -18- | 30- | - | - | - | - | - | - | - | 4-7-6-4-6- | -1- | -1-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.20 | | | |
| 16-44 | 1497 | -113.8258 | -2-12- | 0-119625 | -07/03/79 | -18- | 30- | 6.7- | - | - | - | 8.3- | 147- | - | 4-2-6-5-6-3-3- | -1-2-1-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1.50 | | | |
| 16-44 | 3185 | -113.5822 | -2-11- | 0-119626 | -07/03/79 | -19- | 29- | 6.6- | - | - | - | 8.1- | 151- | - | 4-2-6-5-8-2-2- | -1- | -1-3-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.40 | | | |
| 16-44 | 3242 | -113.7606 | -2-15- | 0-119628 | -07/03/79 | -20- | 30- | - | - | - | - | - | - | - | 8-2-6-5-6- | -1- | -2-4-1-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 16-44 | 2333 | -113.5814 | -2-11- | 0-119629 | -07/04/79 | -11- | 30-14.5- | - | - | - | - | 8.2- | 255- | - | 10-3-6-5-8-2-2- | -1- | -4-2-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.64 | | | |
| 16-44 | 2092 | -113.5939 | -2-12- | 0-119630 | -07/04/79 | -11- | 29-18.5- | - | - | - | - | 8.6- | 281- | - | 12-3-6-5-8-2-2- | -1-2-3-1-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.70 | | | |
| 16-44 | 2086 | -113.5008 | -2-12- | 0-119631 | -07/04/79 | -12- | 28-17.5- | - | - | - | - | 8.5- | 290- | - | 16-3-6-5-8-2-2- | -1-2-3-1-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 16-44 | 1808 | -113.5544 | -2-12- | 0-119632 | -07/04/79 | -12- | 28-15.1- | - | - | - | - | 8.5- | 258- | - | 10-2-7-5-8-2-2- | -1-2-3-1-2-1- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.00 | | | |
| 16-44 | 1769 | -113.6523 | -2-11- | 0-119633 | -07/04/79 | -12- | 27-10.7- | - | - | - | - | 8.2- | 224- | - | 8-2-7-5-8-2-2- | -1- | -4-1-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | |
| 16-44 | 2469 | -113.6456 | -2-15- | 0-119634 | -07/04/79 | -12- | 30- | - | - | - | - | - | - | - | 5-2-6-5-7- | -1- | -2-3-2-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.30 | | | |
| 16-44 | 2061 | -113.6506 | -2-12- | 0-119635 | -07/04/79 | -13- | 30-11.8- | - | - | - | - | 8.2- | 237- | - | 8-2-6-5-6-2-2- | -1-2-4-1-2-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.80 | | | |
| 16-44 | 1858 | -113.6586 | -2-11- | 0-119636 | -07/04/79 | -13- | 30-14.2- | - | - | - | - | 8.0- | 265- | - | 8-2-6-6-8-2-2- | -1- | -4-1-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.30 | | | |
| 16-44 | 1764 | -113.6472 | -2-12- | 0-119637 | -07/04/79 | -13- | 30-16.1- | - | - | - | - | 8.3- | 264- | - | 10-2-6-5-6-2-2- | -1-2-3-2-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44 | 1497 | -113.6231 | -2-11- | 0-119638 | -07/04/79 | -13- | 30-11.6- | - | - | - | - | 8.2- | 175- | - | 10-2-6-5-6-2-2- | -1- | -4-1-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | |
| 16-44 | 1485 | -113.6339 | -2-15- | 0-119639 | -07/04/79 | -14- | 30- | - | - | - | - | - | - | - | 6-2-7-4-6- | -1- | -2-1-2-3-1- | -1- | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.30 | | | |
| 16-44 | 2073 | -113.6761 | -2-11- | 0-119640 | -07/04/79 | -14- | 28- | 9.5- | - | - | - | 7.5- | 197- | - | 12-2-6-6-8-2-2- | -1- | -4-2-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | 4.40 | | | |
| 16-44 | 2094 | -113.6861 | -2-11- | 0-119641 | -07/04/79 | -14- | 28-25.5- | - | - | - | - | 8.9- | 202- | - | 10-2-6-6-8-2-2- | -1- | -4-1-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.20 | | | |
| 16-44 | 2486 | -113.6703 | -2-12- | 0-119642 | -07/04/79 | -15- | 29-12.8- | - | - | - | - | 8.6- | 176- | - | 10-2-6-5-6-3-2- | -1-2-2-2-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3.70 | | | |
| 16-44 | 2456 | -113.7000 | -2-15- | 0-119643 | -07/04/79 | -15- | 30- | - | - | - | - | - | - | - | 10-2-6-5-6- | -1- | -2-3-2-3-2- | -3- | - | - | - | - | - | - | - | - | - | - | - | - | - | 2.90 | | | |
| 16-44 | 2128 | -113.7247 | -2-11- | 0-119644 | -07/04/79 | -15- | 30-23.1- | - | - | - | - | 8. | | | | | | | | | | | | | | | | | | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

②

| DOE SAMPLE NUMBER | | | | | | DOE SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------|---|----|-----|-----|----|----|-----|----|-----|----|----|----|----|--|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li | |
| 16-44.2342-113.4592-2-11- | 0-110506 | -5 | 9 | -5 | 23 | -20 | -15 | 8 | -10 | -15 | 7 | -5 | 216 | 2 | 24 | | | | | | |
| 16-44.2492-113.4863-2-15- | 0-110507 | -5 | -5 | -5 | 40 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 217 | 2 | 28 | | | | | | |
| 16-44.2447-113.3944-2-15- | 0-110508 | -5 | 6 | -5 | 24 | -20 | 19 | 14 | -10 | -15 | 7 | -5 | 216 | 2 | 36 | | | | | | |
| 16-44.2119-113.3100-2-12- | 0-110509 | -5 | 5 | -5 | 31 | -20 | 16 | 13 | -10 | -15 | 5 | -5 | 190 | 2 | 25 | | | | | | |
| 16-44.1811-113.4136-2-15- | 0-110600 | -5 | -5 | -5 | 33 | 24 | 19 | 8 | -10 | -15 | 13 | -5 | 206 | 2 | 27 | | | | | | |
| 16-44.2139-113.3072-2-12- | 0-110601 | -5 | -5 | -5 | 42 | -20 | 26 | -5 | -10 | -15 | 16 | -5 | 255 | 1 | 25 | | | | | | |
| 16-44.2314-113.2519-2-15- | 0-110602 | -5 | -5 | -5 | 16 | -20 | -15 | 12 | -10 | -15 | 18 | -5 | 77 | -1 | 7 | | | | | | |
| 16-44.2292-113.2561-2-11- | 0-110603 | -5 | -5 | -5 | 22 | -20 | -15 | -5 | -10 | -15 | 20 | -5 | 53 | -1 | 7 | | | | | | |
| 16-44.2244-113.2567-2-11- | 0-110604 | -5 | 7 | -5 | 14 | -20 | -15 | -5 | -10 | -15 | 5 | -5 | 327 | 3 | 31 | | | | | | |
| 16-44.2394-113.2758-2-11- | 0-110605 | -5 | -5 | -5 | 21 | -20 | -15 | 15 | -10 | -15 | 6 | -5 | 187 | -1 | 4 | | | | | | |
| 16-44.1867-113.2689-2-15- | 0-110606 | -5 | 5 | -5 | 20 | -20 | -15 | 10 | -10 | -15 | 10 | -5 | 195 | -1 | 19 | | | | | | |
| 16-44.1850-113.2708-2-15- | 0-110607 | -5 | 7 | -5 | 19 | -20 | -15 | 19 | -10 | -15 | -5 | -5 | 153 | 1 | 30 | | | | | | |
| 16-44.1800-113.3219-2-15- | 0-110608 | -5 | 6 | -5 | 29 | 26 | 23 | 17 | -10 | -15 | 9 | -5 | 187 | 2 | 39 | | | | | | |
| 16-44.1778-113.3222-2-15- | 0-110609 | -5 | -5 | -5 | 20 | -20 | 29 | 11 | -10 | -15 | -5 | -5 | 181 | 2 | 34 | | | | | | |
| 16-44.0478-113.4581-2-12- | 0-110610 | -5 | -5 | -5 | 14 | -20 | 32 | 6 | -10 | -15 | 10 | -5 | 137 | 3 | 20 | | | | | | |
| 16-44.0297-113.4653-2-12- | 0-110611 | -5 | -5 | -5 | 25 | -20 | -15 | -5 | -10 | -15 | 11 | -5 | 151 | 2 | 21 | | | | | | |
| 16-44.0022-113.4953-2-11- | 0-110612 | -5 | -5 | -5 | 19 | -20 | -15 | 7 | -10 | -15 | 14 | -5 | 159 | 2 | 16 | | | | | | |
| 16-44.0178-113.3883-2-12- | 0-110613 | -5 | -5 | -5 | 31 | -20 | 49 | 14 | -10 | -15 | -5 | -5 | 143 | 1 | 35 | | | | | | |
| 16-44.0486-113.4150-2-12- | 0-110614 | -5 | -5 | -5 | 17 | -20 | -15 | 7 | -10 | -15 | -5 | -5 | 155 | -1 | 25 | | | | | | |
| 16-44.0733-113.4831-2-12- | 0-110615 | -5 | -5 | -5 | 45 | -20 | 59 | 11 | -10 | -15 | 7 | -5 | 163 | 3 | 29 | | | | | | |
| 16-44.0981-113.4531-2-99- | 0-110616 | -5 | -5 | -5 | 33 | -20 | -15 | 8 | -10 | -15 | -5 | -5 | 162 | 2 | 30 | | | | | | |
| 16-44.1072-113.4725-2-12- | 0-110617 | -5 | -5 | -5 | 37 | -20 | 45 | 18 | -10 | -15 | -5 | -5 | 147 | 3 | 26 | | | | | | |
| 16-44.0011-113.9472-2-11- | 0-110618 | -5 | -5 | -5 | 40 | -20 | 42 | 7 | -10 | -15 | -5 | -5 | 137 | 2 | 28 | | | | | | |
| 16-44.1031-113.4242-2-12- | 0-110619 | -5 | -5 | -5 | 38 | -20 | 50 | 8 | -10 | -15 | -5 | -5 | 153 | 2 | 28 | | | | | | |
| 16-44.1647-113.9167-2-15- | 0-110620 | -5 | -5 | -5 | 60 | -20 | 63 | 13 | -10 | -15 | 15 | -5 | 142 | 3 | 29 | | | | | | |
| 16-44.1297-113.8439-2-12- | 0-110621 | -5 | -5 | -5 | 15 | -20 | -15 | 20 | -10 | -15 | -5 | -5 | 49 | -1 | 6 | | | | | | |
| 16-44.1319-113.8269-2-11- | 0-110622 | -5 | -5 | -5 | 17 | -20 | -15 | 20 | -10 | -15 | 8 | -5 | 139 | 2 | 21 | | | | | | |
| 16-44.1439-113.8497-2-15- | 0-110623 | -5 | 5 | -5 | -10 | -20 | -15 | 24 | -10 | -15 | -5 | -5 | 56 | -1 | 8 | | | | | | |
| 16-44.1492-113.8278-2-99- | 0-110624 | -5 | 7 | -5 | 13 | -20 | -15 | 6 | -10 | -15 | 6 | -5 | 59 | -1 | 4 | | | | | | |
| 16-44.1497-113.8258-2-12- | 0-110625 | -5 | -5 | -5 | 10 | -20 | -15 | 15 | -10 | -15 | 7 | -5 | 51 | -1 | 6 | | | | | | |
| 16-44.3186-113.8833-2-11- | 0-110626 | -5 | -5 | -5 | 25 | -20 | 36 | 9 | -10 | -15 | 8 | -5 | 107 | 2 | 39 | | | | | | |
| 16-44.3342-113.7606-2-15- | 0-110628 | -5 | -5 | -5 | 21 | -20 | 28 | 11 | -10 | -15 | 6 | -5 | 175 | 2 | 34 | | | | | | |
| 16-44.2333-113.5814-2-11- | 0-110629 | -5 | -5 | -5 | 40 | -20 | 19 | 14 | -10 | -15 | -5 | -5 | 213 | 3 | 32 | | | | | | |
| 16-44.2092-113.5939-2-12- | 0-110630 | -5 | 5 | -5 | 51 | 24 | 49 | 7 | -10 | -15 | 6 | -5 | 154 | 4 | 36 | | | | | | |
| 16-44.2086-113.5908-2-12- | 0-110631 | -5 | -5 | -5 | 44 | -20 | 67 | -5 | -10 | -15 | 12 | -5 | 140 | 3 | 35 | | | | | | |
| 16-44.1808-113.5644-2-12- | 0-110632 | -5 | -5 | -5 | 60 | -20 | 57 | -5 | -10 | -15 | 6 | -5 | 139 | 2 | 31 | | | | | | |
| 16-44.1769-113.5623-2-11- | 0-110633 | -5 | -5 | -5 | 45 | -20 | -15 | -5 | -10 | -15 | -5 | -5 | 107 | 2 | 16 | | | | | | |
| 16-44.2469-113.6456-2-15- | 0-110634 | -5 | -5 | -5 | 50 | -20 | 57 | 5 | -10 | -15 | 9 | -5 | 142 | -1 | 53 | | | | | | |
| 16-44.2061-113.6506-2-12- | 0-110635 | -5 | -5 | -5 | 35 | -20 | 45 | 6 | -10 | -15 | 6 | -5 | 111 | 2 | 18 | | | | | | |
| 16-44.1858-113.6886-2-11- | 0-110636 | -5 | -5 | -5 | 65 | -20 | 43 | -5 | -10 | -15 | 5 | -5 | 130 | -1 | 24 | | | | | | |
| 16-44.1764-113.6472-2-12- | 0-110637 | -5 | -5 | -5 | 40 | -20 | 57 | -5 | -10 | -15 | 10 | -5 | 122 | -1 | 20 | | | | | | |
| 16-44.1497-113.6231-2-11- | 0-110638 | -5 | -5 | -5 | 35 | -20 | 41 | 10 | -10 | -15 | 12 | -5 | 139 | -1 | 23 | | | | | | |
| 16-44.1486-113.6239-2-15- | 0-110639 | -5 | -5 | -5 | 36 | -20 | 87 | 5 | -10 | -15 | -5 | -5 | 166 | -1 | 21 | | | | | | |
| 16-44.2078-113.6761-2-11- | 0-110640 | -5 | -5 | -5 | 19 | -20 | -15 | 6 | -10 | -15 | 5 | -5 | 156 | 2 | 21 | | | | | | |
| 16-44.2094-113.6861-2-11- | 0-110641 | -5 | -5 | -5 | 41 | 20 | -15 | -5 | -10 | -15 | 6 | -5 | 141 | 2 | 29 | | | | | | |
| 16-44.2486-113.6703-2-12- | 0-110642 | -5 | -5 | -5 | 27 | -20 | 58 | 7 | -10 | -15 | 10 | -5 | 148 | -1 | 18 | | | | | | |
| 16-44.2456-113.7000-2-15- | 0-110643 | -5 | -5 | -5 | 50 | -20 | 42 | 13 | -0 | -15 | 10 | -5 | 181 | -1 | 39 | | | | | | |
| 16-44.2128-113.7347-2-11- | 0-110644 | -5 | 7 | -5 | 35 | -20 | 57 | 9 | -10 | -15 | -5 | -5 | 156 | 2 | 21 | | | | | | |
| 16-44.0328-113.7533-2-15- | 0-110645 | -5 | 8 | -5 | 48 | -20 | 40 | 41 | -0 | -15 | 6 | -5 | 248 | 3 | 39 | | | | | | |
| 16-44.0344-113.7931-2-15- | 0-110646 | -5 | 5 | -5 | 83 | -20 | 29 | 32 | -10 | -15 | 15 | -5 | 275 | -1 | 38 | | | | | | |
| 16-44.0514-113.7856-2-11- | 0-110647 | -5 | -5 | -5 | 33 | -20 | 31 | -5 | -10 | -15 | 10 | -5 | 141 | 3 | 122 | | | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|-----------|----------------------------|--|--------|-----|------|------|------|------|----|-----|-------|------|-------|-----|------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | Al | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 16-44 | 2347 | -113.4592 | -2-11- | 0-119600 | 56000 | -0.13 | 847 | 10900 | 81 | -76 | 8.7 | 67 | 4.5 | 6 | 1.8 | 24440 | 9.5 | 16960 | 34 | 0.5 |
| 16-44 | 2492 | -113.4803 | -2-15- | 0-119607 | 60300 | -0.14 | 736 | 11290 | 66 | 132 | 9.2 | 75 | 4.8 | 5 | 1.5 | 27560 | 9.0 | 17240 | 35 | 0.3 |
| 16-44 | 2447 | -113.3944 | -2-15- | 0-119608 | 55970 | -0.17 | 745 | 56070 | 69 | -95 | 9.7 | 93 | 5.1 | 5 | 1.5 | 26570 | 8.1 | 18240 | 44 | 0.5 |
| 16-44 | 2110 | -113.3100 | -2-12- | 0-119609 | 60390 | -0.18 | 1080 | 37130 | 73 | -97 | 16.1 | 154 | 5.1 | 5 | 1.7 | 36200 | 5.6 | 19850 | 53 | 0.3 |
| 16-44 | 1811 | -113.4126 | -2-15- | 0-119610 | 63730 | -0.15 | 1162 | 35900 | 86 | -90 | 17.3 | 150 | 5.1 | 5 | 1.9 | 41170 | 8.2 | 17080 | 51 | 0.3 |
| 16-44 | 2139 | -113.3072 | -2-12- | 0-119601 | 55220 | -0.18 | 841 | 49980 | 78 | -111 | 21.5 | 260 | 3.7 | 5 | 1.7 | 48910 | 8.2 | 18790 | 41 | 0.3 |
| 16-44 | 2314 | -113.2513 | -2-15- | 0-119602 | 15530 | -0.09 | 215 | 141600 | 26 | 231 | 4.0 | 23 | 1.9 | 2 | 0.4 | 10150 | 2.8 | 5624 | -8 | 0.1 |
| 16-44 | 2292 | -113.2561 | -2-11- | 0-119603 | 14570 | -0.05 | 610 | 194800 | 22 | 179 | 5.1 | 21 | -1.0 | 2 | 0.5 | 10270 | 2.0 | 5382 | 10 | -0.1 |
| 16-44 | 2244 | -113.2567 | -2-11- | 0-119604 | 58130 | -0.12 | 597 | 5945 | 81 | -78 | 6.9 | 64 | 3.1 | 6 | 1.6 | 24570 | 13.6 | 24570 | 39 | 0.6 |
| 16-44 | 2394 | -113.2758 | -2-11- | 0-119605 | 16710 | -0.08 | 278 | 14070 | 23 | 109 | 4.8 | 29 | -0.9 | 2 | 0.5 | 9303 | 8.1 | 5845 | -10 | 0.2 |
| 16-44 | 1867 | -113.2689 | -2-15- | 0-119606 | 25090 | -0.12 | 507 | 77590 | 45 | 220 | 5.5 | 60 | 3.3 | 4 | 0.9 | 19430 | 8.3 | 13650 | -10 | 0.3 |
| 16-44 | 1850 | -113.2708 | -2-15- | 0-119607 | 43050 | -0.13 | 625 | 75380 | 50 | -77 | 7.3 | 52 | 3.1 | 4 | 1.1 | 21700 | 5.8 | 15860 | -13 | 0.3 |
| 16-44 | 1800 | -113.3210 | -2-15- | 0-119608 | 63310 | -0.15 | 647 | 23880 | 70 | 168 | 10.0 | 108 | 6.1 | 5 | 1.7 | 29850 | 7.5 | 23080 | -14 | 0.3 |
| 16-44 | 1779 | -113.3222 | -2-15- | 0-119609 | 50130 | -0.14 | 770 | 62610 | 57 | -99 | 10.9 | 107 | 4.2 | 4 | 1.2 | 25040 | 7.6 | 17120 | 37 | 0.4 |
| 16-44 | 0478 | -113.4581 | -2-12- | 0-119610 | 63760 | -0.25 | 1348 | 43120 | 75 | -111 | 20.5 | 318 | 4.9 | 4 | 2.1 | 43380 | 4.4 | 25420 | -25 | -0.2 |
| 16-44 | 0297 | -113.4653 | -2-12- | 0-119611 | 57540 | -0.22 | 1354 | 41750 | 62 | -98 | 18.8 | 140 | 4.9 | 4 | 1.7 | 41140 | 4.9 | 18640 | -16 | 0.2 |
| 16-44 | 0022 | -113.4953 | -2-11- | 0-119612 | 75520 | -0.15 | 1540 | 26480 | 80 | -111 | 11.8 | 54 | 6.6 | 4 | 1.8 | 29340 | 7.0 | 24120 | 47 | 0.4 |
| 16-44 | 0178 | -113.3983 | -2-12- | 0-119613 | 51620 | -0.16 | 934 | 60750 | 52 | -102 | 7.3 | 86 | 3.8 | 5 | 1.2 | 22110 | 4.2 | 17900 | -16 | 0.3 |
| 16-44 | 0486 | -113.4150 | -2-12- | 0-119614 | 36130 | -0.15 | 669 | 138700 | 40 | 165 | 5.4 | 61 | -1.7 | 3 | 0.8 | 18170 | 5.7 | 13640 | -16 | -0.1 |
| 16-44 | 0733 | -113.4831 | -2-12- | 0-119615 | 59810 | -0.19 | 1395 | 27450 | 76 | -94 | 20.3 | 384 | 5.9 | 5 | 1.7 | 42990 | 5.7 | 23380 | -17 | 0.3 |
| 16-44 | 0991 | -113.4531 | -2-09- | 0-119616 | 70640 | -0.17 | 1006 | 31070 | 81 | 199 | 14.3 | 90 | 6.8 | 4 | 1.8 | 34120 | 7.3 | 24450 | 49 | 0.4 |
| 16-44 | 1077 | -113.4725 | -2-12- | 0-119617 | 52490 | -0.20 | 1260 | 49100 | 57 | -137 | 22.9 | 477 | 4.4 | 4 | 2.0 | 43460 | 4.0 | 26700 | 36 | 0.2 |
| 16-44 | 0011 | -113.9472 | -2-11- | 0-119618 | 59960 | -0.23 | 1011 | 20620 | 76 | 239 | 18.6 | 230 | 6.0 | 4 | 1.3 | 38250 | 4.7 | 27950 | -18 | -0.2 |
| 16-44 | 1031 | -113.4742 | -2-12- | 0-119619 | 57400 | -0.19 | 1155 | 43930 | 64 | -99 | 21.7 | 339 | -2.2 | 4 | 1.8 | 44870 | 5.5 | 25810 | 37 | 0.2 |
| 16-44 | 1647 | -113.9167 | -2-15- | 0-119620 | 55560 | -0.12 | 1238 | 29780 | 56 | 141 | 9.9 | 119 | 5.0 | 5 | 1.6 | 25810 | 5.9 | 17970 | 46 | 0.4 |
| 16-44 | 1297 | -113.8439 | -2-12- | 0-119621 | 11500 | -0.07 | 85 | 192000 | 11 | 300 | 3.3 | 25 | 1.4 | 1 | 0.3 | 8813 | 1.9 | 5553 | -8 | 0.1 |
| 16-44 | 1319 | -113.8386 | -2-11- | 0-119622 | 43100 | -0.15 | 770 | 82300 | 63 | 146 | 6.8 | 52 | 3.1 | 3 | 1.0 | 20510 | 5.6 | 19770 | -14 | 0.4 |
| 16-44 | 1439 | -113.8497 | -2-15- | 0-119623 | 14390 | -0.08 | 867 | 174600 | 18 | 266 | 3.6 | 32 | -0.9 | 2 | 0.5 | 11110 | 1.9 | 4733 | -7 | 0.1 |
| 16-44 | 1492 | -113.8278 | -2-09- | 0-119624 | 11730 | -0.07 | 92 | 203000 | 12 | 290 | 3.0 | 23 | -0.8 | 1 | 0.3 | 7143 | 2.1 | 4504 | -9 | -0.1 |
| 16-44 | 1497 | -113.8258 | -2-12- | 0-119625 | 12550 | -0.08 | 272 | 175500 | 16 | 289 | 2.9 | 39 | 2.0 | -1 | 0.2 | 9659 | 1.8 | 3870 | -11 | 0.1 |
| 16-44 | 3186 | -113.8833 | -2-11- | 0-119626 | 55180 | -0.19 | 623 | 73240 | 51 | 167 | 7.0 | 76 | 6.4 | 4 | 1.0 | 23420 | 4.1 | 13500 | -20 | 0.2 |
| 16-44 | 3242 | -113.7606 | -2-15- | 0-119628 | 61440 | -0.16 | 680 | 26650 | 64 | 151 | 10.4 | 95 | 5.4 | 4 | 1.3 | 29440 | 7.8 | 20030 | 43 | 0.4 |
| 16-44 | 2333 | -113.5814 | -2-11- | 0-119629 | 56730 | -0.07 | 892 | 18650 | 78 | 222 | 13.1 | 175 | 5.5 | 6 | 1.8 | 30010 | 8.6 | 18810 | 30 | 0.4 |
| 16-44 | 2092 | -113.5935 | -2-12- | 0-119630 | 63810 | -0.19 | 1325 | 25010 | 57 | 336 | 17.1 | 140 | 4.8 | 4 | 1.4 | 36030 | 5.6 | 19630 | -16 | 0.4 |
| 16-44 | 2086 | -113.5908 | -2-12- | 0-119631 | 60020 | -0.20 | 1040 | 22290 | 55 | 280 | 17.4 | 126 | 4.4 | 5 | 1.5 | 35800 | 3.9 | 24260 | -17 | 0.3 |
| 16-44 | 1808 | -113.5644 | -2-12- | 0-119632 | 56870 | -0.22 | 1441 | 33990 | 53 | -104 | 19.7 | 339 | 5.7 | 4 | 1.6 | 40860 | 4.4 | 23150 | -16 | 0.3 |
| 16-44 | 1769 | -113.5633 | -2-11- | 0-119633 | 46170 | -0.21 | 838 | 25420 | 35 | 296 | 10.0 | 97 | -2.3 | 3 | 0.9 | 25160 | 3.8 | 14570 | -20 | -0.2 |
| 16-44 | 2469 | -113.6456 | -2-15- | 0-119634 | 63660 | -0.15 | 1024 | 42000 | 53 | 133 | 15.1 | 149 | 6.5 | 4 | 1.5 | 33930 | 5.0 | 19430 | 44 | 0.4 |
| 16-44 | 2061 | -113.6506 | -2-12- | 0-119635 | 47300 | -0.16 | 845 | 90100 | 42 | 166 | 12.3 | 153 | 5.4 | 4 | 1.1 | 27610 | 4.0 | 15690 | 37 | 0.3 |
| 16-44 | 1858 | -113.6588 | -2-11- | 0-119636 | 55080 | -0.23 | 1070 | 34230 | 50 | 311 | 13.7 | 182 | 9.1 | 4 | 1.5 | 31400 | 3.4 | 22330 | -18 | 0.3 |
| 16-44 | 1764 | -113.6472 | -2-12- | 0-119637 | 45870 | -0.17 | 616 | 112600 | 42 | -81 | 18.2 | 493 | -1.9 | 4 | 1.3 | 33430 | 4.2 | 14530 | -14 | -0.1 |
| 16-44 | 1497 | -113.6531 | -2-11- | 0-119638 | 69350 | -0.17 | 1046 | 29650 | 64 | -99 | 15.3 | 130 | 6.5 | 4 | 1.5 | 35940 | 5.0 | 22530 | 34 | 0.4 |
| 16-44 | 1488 | -113.6235 | -2-15- | 0-119639 | 46570 | -0.20 | 1125 | 66570 | 50 | -95 | 29.2 | 1260 | 4.1 | 4 | 1.9 | 51330 | 5.8 | 18780 | -18 | 0.3 |
| 16-44 | 2078 | -113.6761 | -2-11- | 0-119640 | 66990 | -0.20 | 1357 | 28970 | 70 | 259 | 9.8 | 109 | 4.5 | 4 | 1.8 | 23750 | 6.5 | 24850 | -15 | 0.3 |
| 16-44 | 2094 | -113.6861 | -2-11- | 0-119641 | 60890 | -0.20 | 913 | 33000 | 60 | -97 | 14.4 | 154 | 5.8 | 4 | 1.4 | 35200 | 5.5 | 17270 | -16 | 0.3 |
| 16-44 | 2486 | -113.6703 | -2-12- | 0-119642 | 38760 | -0.12 | 905 | 76910 | 54 | 103 | 8.0 | 206 | 3.4 | 4 | 1.4 | 20780 | 6.2 | 15890 | 34 | 0.3 |
| 16-44 | 2456 | -113.7000 | -2-15- | 0-119643 | 51030 | -0.16 | 826 | 43720 | 56 | -101 | 15.3 | 221 | 5.2 | 5 | 1.5 | 34660 | 5.8 | 20530 | 46 | 0.4 |
| 16-44 | 2128 | -113.7347 | -2-11- | 0-119644 | 51910 | -0.20 | 1008 | 34320 | 77 | -94 | 15.4 | 284 | 5.2 | 4 | 1.6 | 30330 | 5.5 | 24730 | 49 | 0.3 |
| 16-44 | 0328 | -113.7932 | -2-15- | 0-119645 | 50980 | -0.13 | 1197 | 44350 | 77 | -73 | 12.9 | 92 | 4.3 | 5 | 1.7 | 30430 | 11.1 | 20150 | 56 | 0.5 |
| 16-44 | 0344 | -113.7931 | -2-15- | 0-119646 | 64040 | -0.14 | 877 | 12450 | 80 | -97 | 17.2 | 68 | 4.5 | 6 | 1.5 | 32810 | 10.8 | 18750 | 54 | 0.4 |
| 16-44 | 0514 | -113.7856 | -2-11- | 0-119647 | 65250 | -0.20 | 615 | 32360 | 101 | -95 | 12.6 | 88 | 5.3 | 6 | 1.5 | 32780 | 6.9 | 27120 | 32 | 0.4 |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | U/Th RATIO |
|---------------------------|----------|-----------|---------|-------------|-----------|----------------------------------|---|------|------|----|----|------|------|-----|------|------|-------|----|---|----|---------------|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | DOE SAMPLE LOCATION NUMBER | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Sr | Ta | Tb | Th | Ti | V | Yb | |
| 16-44.2342-113.4592-2-11- | 0-110504 | 5295 | 505 | 8112 | 79 | -3 | 8.5 | 10.6 | -209 | -1 | -1 | 9.9 | 3308 | 53 | -2.0 | 70 | 0.404 | | | | |
| 16-44.2402-113.4803-2-15- | 0-110507 | 6591 | 834 | 9288 | 86 | -3 | 9.3 | 6.2 | -257 | -1 | -1 | 11.5 | 3397 | 67 | -2.0 | 117 | 0.250 | | | | |
| 16-44.2447-113.3944-2-15- | 0-110509 | 11480 | 746 | 10120 | 71 | -4 | 9.6 | 6.0 | -302 | -1 | -1 | 10.1 | 4064 | 73 | 3.6 | 81 | 0.277 | | | | |
| 16-44.2119-113.3100-2-12- | 0-110500 | 18020 | 527 | 13490 | -37 | -4 | 15.6 | 6.6 | 425 | -1 | -1 | 9.7 | 4796 | 95 | -2.8 | -45 | 0.320 | | | | |
| 16-44.1811-113.4136-2-15- | 0-110500 | 18210 | 825 | 12520 | 77 | -4 | 16.2 | 8.4 | -227 | -1 | -1 | 11.7 | 4224 | 111 | -2.2 | -83 | 0.265 | | | | |
| 16-44.2139-113.3072-2-12- | 0-110501 | 25920 | 962 | 13260 | 55 | -4 | 20.9 | 6.2 | 708 | -1 | -1 | 10.2 | 4321 | 143 | -2.5 | 141 | 0.363 | | | | |
| 16-44.2214-113.2519-2-15- | 0-110602 | 60040 | 352 | 1275 | -17 | -2 | 2.7 | 2.0 | -193 | -1 | -1 | 3.1 | 1192 | 21 | -1.5 | -10 | 0.484 | | | | |
| 16-44.2292-113.2561-2-11- | 0-110603 | 50740 | 248 | 1761 | -24 | -1 | 2.6 | 1.5 | 362 | -1 | -1 | 2.4 | -599 | 20 | -1.0 | 81 | 0.625 | | | | |
| 16-44.2244-113.2567-2-11- | 0-110604 | 9145 | 107 | 15300 | 78 | -3 | 8.8 | -1.9 | -139 | -1 | -1 | 11.2 | 3590 | 63 | -1.8 | 32 | 0.330 | | | | |
| 16-44.2304-113.2758-2-11- | 0-110605 | 5722 | 355 | 2475 | -18 | -2 | 2.6 | 2.1 | -161 | -1 | -1 | 3.3 | 1089 | 18 | -1.3 | 32 | 0.424 | | | | |
| 16-44.1867-113.2689-2-15- | 0-110606 | 21040 | 457 | 6304 | -24 | -3 | 5.4 | 3.0 | -221 | -1 | -1 | 8.0 | 2326 | 51 | -2.0 | -68 | 0.288 | | | | |
| 16-44.1850-113.2708-2-15- | 0-110607 | 27320 | 537 | 7212 | -26 | -3 | 6.9 | 4.1 | -232 | -1 | 1 | 7.9 | 2432 | 56 | -2.4 | 97 | 0.291 | | | | |
| 16-44.1800-113.2210-2-15- | 0-110608 | 13450 | 1006 | 10270 | 78 | -4 | 10.9 | 8.0 | -265 | -1 | -1 | 10.9 | 3736 | 94 | 3.6 | 143 | 0.275 | | | | |
| 16-44.1778-113.3222-2-15- | 0-110609 | 13780 | 646 | 9517 | 67 | -3 | 9.3 | 5.9 | 402 | -1 | -1 | 10.2 | 3364 | 79 | -1.9 | 75 | 0.265 | | | | |
| 16-44.0478-113.4581-2-12- | 0-110610 | 20840 | 850 | 13430 | -45 | -6 | 21.9 | 6.7 | 705 | -1 | -2 | 9.8 | 4028 | 146 | -3.5 | -41 | 0.418 | | | | |
| 16-44.0297-113.4653-2-12- | 0-110611 | 16700 | 766 | 10820 | -43 | -5 | 19.2 | 4.4 | 421 | -1 | -1 | 8.2 | 3969 | 113 | -2.9 | 185 | 0.390 | | | | |
| 16-44.0022-113.4953-2-11- | 0-110612 | 8402 | 900 | 14210 | 116 | -4 | 8.6 | 7.3 | -279 | -1 | -1 | 11.4 | 3865 | 91 | -2.7 | 106 | 0.342 | | | | |
| 16-44.0178-113.3962-2-12- | 0-110613 | 11260 | 475 | 7659 | -34 | -4 | 7.3 | 5.6 | -248 | -1 | -1 | 7.6 | 3145 | 117 | -2.4 | 208 | 0.408 | | | | |
| 16-44.0486-113.4150-2-12- | 0-110614 | 22200 | 527 | 4527 | -29 | -4 | 6.3 | 3.1 | -269 | -1 | -1 | 7.0 | 2776 | 54 | -2.4 | -50 | 0.300 | | | | |
| 16-44.0733-113.4831-2-12- | 0-110615 | 21300 | 684 | 11690 | 142 | -5 | 18.0 | 5.7 | 408 | -1 | -1 | 10.4 | 4171 | 97 | 4.0 | -38 | 0.413 | | | | |
| 16-44.0981-113.4531-2-09- | 0-110616 | 11560 | 653 | 13910 | 122 | -4 | 13.5 | 9.0 | -248 | -1 | -1 | 13.0 | 3716 | 102 | -2.3 | 181 | 0.285 | | | | |
| 16-44.1072-113.4725-2-12- | 0-110617 | 28280 | 1640 | 13110 | 99 | -5 | 22.2 | 5.8 | -377 | -1 | -1 | 8.6 | 3428 | 133 | -2.9 | 133 | 0.291 | | | | |
| 16-44.0011-113.9472-2-11- | 0-110618 | 14510 | 719 | 14950 | 144 | -5 | 14.3 | -2.1 | -345 | -2 | -1 | 8.2 | 3085 | 91 | -3.4 | -26 | 0.549 | | | | |
| 16-44.1031-113.4242-2-12- | 0-110619 | 24620 | 778 | 14140 | 79 | -5 | 20.5 | 6.0 | -284 | -1 | -1 | 9.2 | 4002 | 114 | -3.4 | 124 | 0.272 | | | | |
| 16-44.1647-113.9167-2-15- | 0-110620 | 10560 | 522 | 6366 | 84 | -3 | 9.2 | 8.4 | -178 | -1 | -1 | 8.6 | 2600 | 174 | -2.0 | 262 | 0.420 | | | | |
| 16-44.1297-113.8439-2-12- | 0-110621 | 93540 | 271 | 1055 | -16 | -2 | 2.3 | 1.6 | -169 | -1 | -1 | 2.3 | 752 | 20 | -1.1 | 58 | 0.522 | | | | |
| 16-44.1319-113.8269-2-11- | 0-110622 | 31660 | 540 | 6080 | 70 | -4 | 7.0 | 4.3 | -263 | -1 | -1 | 8.4 | 1988 | 65 | -2.3 | 96 | 0.286 | | | | |
| 16-44.1439-113.8497-2-15- | 0-110623 | 82870 | 260 | 1612 | -15 | -2 | 3.0 | -0.8 | -187 | -1 | -1 | 2.5 | 1051 | 29 | -1.2 | 123 | 0.560 | | | | |
| 16-44.1492-113.8278-2-09- | 0-110624 | 96160 | 250 | 1389 | -16 | -2 | 2.2 | 2.0 | -159 | -1 | -1 | 2.6 | 611 | 20 | -1.1 | 37 | 0.462 | | | | |
| 16-44.1497-113.8258-2-12- | 0-110625 | 77810 | 306 | 1208 | -18 | -2 | 2.5 | 1.6 | -174 | -1 | -1 | 2.2 | 787 | 29 | -1.2 | 86 | 0.682 | | | | |
| 16-44.3186-113.8832-2-11- | 0-110626 | 12590 | 621 | 6582 | -37 | -4 | 7.6 | 3.6 | -309 | -1 | -1 | 6.1 | 3241 | 85 | -2.8 | -89 | 0.557 | | | | |
| 16-44.3342-113.7606-2-15- | 0-110628 | 11030 | 607 | 10240 | -32 | -4 | 10.3 | -1.5 | -262 | -1 | -1 | 11.2 | 3315 | 90 | -2.2 | 153 | 0.286 | | | | |
| 16-44.2333-113.5914-2-11- | 0-110629 | 10080 | 703 | 9836 | 88 | -2 | 12.5 | 6.2 | 290 | -2 | -1 | 10.8 | 3055 | 85 | 3.2 | -33 | 0.337 | | | | |
| 16-44.2092-113.5939-2-12- | 0-110630 | 17160 | 904 | 13260 | 88 | -5 | 13.6 | 7.1 | -304 | -2 | -1 | 8.1 | 3962 | 95 | -2.6 | 68 | 0.333 | | | | |
| 16-44.2086-113.5908-2-12- | 0-110631 | 16280 | 769 | 11600 | 91 | -5 | 12.4 | 6.7 | -322 | -1 | -1 | 9.1 | 3082 | 86 | -2.7 | 127 | 0.330 | | | | |
| 16-44.1808-113.5644-2-12- | 0-110632 | 23490 | 812 | 12720 | 98 | -5 | 16.7 | 6.6 | -316 | -1 | -1 | 7.4 | 3815 | 107 | 4.1 | -85 | 0.405 | | | | |
| 16-44.1769-113.5632-2-11- | 0-110633 | 12670 | 355 | 9541 | -40 | -5 | 9.5 | -2.0 | -280 | -2 | -1 | 5.8 | 2429 | 85 | -3.1 | -116 | 0.638 | | | | |
| 16-44.2469-113.6456-2-15- | 0-110634 | 16670 | 618 | 10900 | 74 | -4 | 12.5 | 8.2 | -230 | -1 | -1 | 8.9 | 3694 | 98 | -2.4 | 154 | 0.371 | | | | |
| 16-44.2061-113.6506-2-12- | 0-110635 | 14700 | 475 | 8058 | -34 | -4 | 9.4 | 5.2 | -233 | -1 | -1 | 6.8 | 2713 | 82 | -2.4 | 98 | 0.559 | | | | |
| 16-44.1858-113.6586-2-11- | 0-110636 | 16400 | 583 | 11500 | 105 | -5 | 12.5 | 5.6 | -310 | -1 | -1 | 8.2 | 3330 | 107 | -3.1 | -71 | 0.524 | | | | |
| 16-44.1764-113.6472-2-12- | 0-110637 | 23960 | 649 | 8473 | -33 | -4 | 16.0 | -1.5 | 606 | -1 | -1 | 5.2 | 3002 | 115 | -2.5 | 94 | 0.558 | | | | |
| 16-44.1497-113.6331-2-11- | 0-110638 | 14620 | 808 | 11600 | -35 | -4 | 12.7 | 5.5 | 751 | -1 | -1 | 8.5 | 3881 | 98 | -2.4 | 165 | 0.435 | | | | |
| 16-44.1486-113.6336-2-15- | 0-110639 | 38140 | 976 | 9173 | 68 | -5 | 29.0 | 5.3 | -264 | -1 | -1 | 6.7 | 4087 | 140 | -2.9 | 3 | 0.343 | | | | |
| 16-44.2078-113.6761-2-11- | 0-110640 | 12900 | 418 | 16790 | 73 | -5 | 11.6 | 5.9 | 600 | -1 | -1 | 9.1 | 3114 | 91 | -3.0 | -32 | 0.484 | | | | |
| 16-44.2094-113.6861-2-11- | 0-110641 | 16020 | 624 | 12560 | -37 | -5 | 16.0 | 6.3 | -285 | -1 | -1 | 10.0 | 4076 | 97 | -3.5 | 209 | 0.320 | | | | |
| 16-44.2486-113.6702-2-12- | 0-110642 | 26030 | 310 | 4259 | 61 | -3 | 9.7 | 6.9 | -140 | -1 | -1 | 7.0 | 2531 | 129 | -1.7 | 136 | 0.529 | | | | |
| 16-44.2456-113.7000-2-15- | 0-110643 | 17990 | 935 | 9576 | 71 | -4 | 15.6 | 5.1 | -264 | -1 | -1 | 9.4 | 3347 | 102 | 3.5 | 113 | 0.309 | | | | |
| 16-44.2128-113.7347-2-11- | 0-110644 | 15220 | 702 | 10320 | -33 | -5 | 13.8 | 7.0 | -293 | -1 | -1 | 8.3 | 3007 | 111 | -2.8 | -95 | 0.386 | | | | |
| 16-44.0328-113.7932-2-15- | 0-110645 | 18660 | 763 | 7199 | 71 | -3 | 9.7 | 7.6 | 302 | 2 | -1 | 14.6 | 3540 | 92 | -1.8 | 154 | 0.281 | | | | |
| 16-44.0344-113.7931-2-15- | 0-110646 | 9275 | 1048 | 8170 | -29 | 3 | 10.2 | 6.9 | -281 | -1 | -1 | 14.1 | 3933 | 75 | 3.6 | 170 | 0.277 | | | | |
| 16-44.0514-113.7856-2-11- | 0-110647 | 25750 | 929 | 5844 | -36 | -5 | 10.8 | 7.7 | -331 | -1 | -1 | 12.9 | 2633 | 68 | -3.3 | 54 | 0.411 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

2

| DOE SAMPLE NUMBER | | | | | | DOE LAB SAMPLE TYPE REPLICATE | DOE SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY X-RAY FLUORESCENCE | | | | | | | | | | | | ELEMENTAL CONCENTRATIONS DETERMINED BY ARC-SOURCE EMISSION SPECTROGRAPHY | |
|-------------------|-----------|-----------|-----------|-------------|-----------|-------------------------------------|-------------------------------|---|-----|----|-----|-----|----|----|-----|----|----|----|----|--|----|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | Concentrations in weight ppm | |
| | | | | | | | | Ag | Bi | Cd | Cu | Nb | Ni | Pb | Sn | W | As | Se | Zr | Be | Li |
| 16-44.0394 | -113.7904 | -2-15- | 0-1106649 | -5 | -5 | -5 | 34 | -20 | 16 | 17 | -10 | -15 | 10 | -5 | 422 | 2 | 36 | | | | |
| 16-44.0364 | -113.8636 | -2-12- | 0-1106640 | -5 | -5 | -5 | 30 | -20 | 31 | 14 | -10 | -15 | 14 | -5 | 246 | 3 | 44 | | | | |
| 16-44.0364 | -113.8004 | -2-15- | 0-1106650 | -5 | -5 | -5 | 23 | -20 | -15 | 9 | -10 | -15 | 9 | -5 | 273 | 2 | 34 | | | | |
| 16-44.0436 | -113.9219 | -2-12- | 0-1106651 | -5 | -5 | -5 | 33 | -20 | 40 | 16 | -10 | -15 | 13 | -5 | 327 | -1 | 54 | | | | |
| 16-44.0322 | -113.9422 | -2-12- | 0-1106652 | -5 | 7 | -5 | 25 | -20 | 41 | 16 | -10 | 16 | 12 | -5 | 279 | 3 | 41 | | | | |
| 16-44.0181 | -113.9572 | -2-15- | 0-1106653 | -5 | -5 | -5 | 37 | -20 | 29 | 7 | -10 | -15 | 12 | -5 | 197 | -1 | 63 | | | | |
| 16-44.0178 | -113.9594 | -2-15- | 0-1106654 | -5 | 5 | -5 | 30 | -20 | 27 | 19 | -10 | -15 | 9 | -5 | 335 | 3 | 35 | | | | |
| 16-44.0236 | -113.9261 | -2-15- | 0-1106655 | -5 | 5 | -5 | 26 | -20 | 22 | 15 | -10 | -15 | 17 | -5 | 203 | 2 | 34 | | | | |
| 16-44.0244 | -113.9233 | -2-15- | 0-1106656 | -5 | 7 | -5 | 36 | -20 | 20 | 16 | -10 | -15 | 6 | -5 | 264 | 1 | 38 | | | | |
| 16-44.0422 | -113.9933 | -2-15- | 0-1106657 | -5 | -5 | -5 | 36 | -20 | 36 | 14 | -10 | -15 | 7 | -5 | 191 | 3 | 37 | | | | |
| 16-44.0986 | -113.9906 | -2-15- | 0-1106658 | -5 | -5 | -5 | 49 | -20 | 191 | -5 | -10 | -15 | 10 | -5 | 166 | 1 | 21 | | | | |
| 16-44.1178 | -113.9697 | -2-15- | 0-1106659 | -5 | -5 | -5 | 31 | -20 | 16 | 14 | -10 | -15 | 7 | -5 | 227 | -1 | 55 | | | | |
| 16-44.0800 | -113.9219 | -2-15- | 0-1106661 | -5 | -5 | -5 | 29 | -20 | 28 | 16 | -10 | 25 | -5 | -5 | 219 | 2 | 29 | | | | |
| 16-44.0872 | -113.9200 | -2-15- | 0-1106662 | -5 | 6 | -5 | 35 | -20 | 27 | 13 | -10 | -15 | 6 | -5 | 224 | 2 | 29 | | | | |
| 16-44.0911 | -113.9292 | -2-15- | 0-1106663 | -5 | 5 | -5 | 26 | -20 | 41 | 16 | -10 | -15 | 10 | -5 | 229 | -1 | 37 | | | | |
| 16-44.0658 | -113.8283 | -2-15- | 0-1106665 | -5 | -5 | -5 | -10 | -20 | 19 | 22 | -10 | -15 | 9 | -5 | 206 | -1 | 11 | | | | |
| 16-44.0900 | -113.8453 | -2-11- | 0-1106667 | -5 | 7 | -5 | 18 | -20 | -15 | 11 | -10 | -15 | -5 | -5 | 185 | -1 | 33 | | | | |
| 16-44.0950 | -113.8404 | -2-15- | 0-1106668 | -5 | 5 | -5 | 14 | -20 | -15 | 16 | -10 | -15 | 5 | -5 | 64 | -1 | 19 | | | | |
| 16-44.0936 | -113.8547 | -2-11- | 0-1106669 | -5 | 5 | -5 | 14 | -20 | 15 | 8 | -10 | -15 | 5 | -5 | 89 | -1 | 12 | | | | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

③

| DOE SAMPLE NUMBER | | | | | | DOE SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS | | | | | | | | | | | | | |
|-------------------|-----------|-----------|----------|-------------|-------|----------------------------|--|-----|------|------|------|-----|----|-----|-------|------|-------|-----|-----|---|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | DATE | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | |
| | | | | | | | A | Au | Ba | Ca | Ce | Cl | Co | Cr | Cs | Dy | Eu | Fe | Hf | K |
| 16-44.0294 | -113.7994 | -2-15- | 0-110644 | 61920 | -0.15 | 813 | 11080 | 93 | 115 | 14.4 | 144 | 3.6 | 7 | 1.4 | 33470 | 18.0 | 24610 | 55 | 0.5 | |
| 16-44.0364 | -113.8636 | -2-13- | 0-110640 | 67280 | -0.14 | 1297 | 17860 | 86 | 165 | 11.6 | 82 | 7.1 | 5 | 1.7 | 29230 | 9.9 | 20380 | 55 | 0.5 | |
| 16-44.0364 | -113.8994 | -2-15- | 0-110650 | 63550 | -0.14 | 1112 | 19600 | 82 | -104 | 12.3 | 130 | 5.8 | 5 | 1.6 | 34180 | 11.7 | 18610 | 51 | 0.4 | |
| 16-44.0436 | -113.0219 | -2-12- | 0-110651 | 62000 | -0.19 | 1162 | 17060 | 130 | -86 | 10.6 | 133 | 7.7 | 6 | 2.0 | 30430 | 15.2 | 22760 | -14 | 0.5 | |
| 16-44.0322 | -113.9422 | -2-12- | 0-110652 | 62400 | -0.14 | 1175 | 16520 | 98 | -81 | 12.6 | 113 | 7.0 | 5 | 1.8 | 29810 | 10.4 | 19430 | 69 | 0.4 | |
| 16-44.0181 | -113.9572 | -2-15- | 0-110653 | 70100 | -0.14 | 1208 | 26570 | 82 | -100 | 13.8 | 208 | 6.2 | 5 | 1.8 | 37310 | 7.7 | 21650 | 56 | 0.4 | |
| 16-44.0178 | -113.9594 | -2-15- | 0-110654 | 59000 | -0.14 | 1058 | 18700 | 97 | -110 | 11.6 | 137 | 5.0 | 5 | 1.7 | 34360 | 13.1 | 18530 | 56 | 0.4 | |
| 16-44.0236 | -113.9381 | -2-15- | 0-110655 | 61110 | -0.06 | 1294 | 17480 | 94 | -95 | 14.8 | 160 | 5.8 | 4 | 1.9 | 32080 | 7.9 | 21780 | 37 | 0.3 | |
| 16-44.0244 | -113.9233 | -2-15- | 0-110656 | 61880 | -0.05 | 1118 | 21310 | 98 | 174 | 16.2 | 276 | 5.1 | 6 | 1.8 | 40450 | 11.1 | 23240 | 43 | 0.3 | |
| 16-44.0422 | -113.9833 | -2-15- | 0-110657 | 63740 | -0.05 | 1004 | 23010 | 83 | -95 | 17.1 | 345 | 6.4 | 4 | 2.0 | 40210 | 8.2 | 22730 | 34 | 0.3 | |
| 16-44.0886 | -113.9906 | -2-15- | 0-110658 | 54000 | -0.11 | 1295 | 46530 | 68 | 164 | 34.2 | 1168 | 5.7 | 4 | 1.5 | 51150 | 5.6 | 14930 | 43 | 0.4 | |
| 16-44.1178 | -113.9697 | -2-15- | 0-110659 | 64100 | -0.02 | 849 | 18780 | 74 | -96 | 10.7 | 121 | 5.9 | 5 | 1.3 | 32510 | 9.9 | 18880 | 36 | 0.3 | |
| 16-44.0800 | -113.9219 | -2-15- | 0-110661 | 61900 | -0.02 | 1284 | 13440 | 69 | -72 | 11.1 | 112 | 5.4 | 4 | 0.8 | 27670 | 7.8 | 20410 | 31 | 0.3 | |
| 16-44.0872 | -113.9300 | -2-15- | 0-110662 | 66710 | -0.09 | 1053 | 18270 | 65 | 112 | 13.0 | 156 | 5.3 | 4 | 1.2 | 31770 | 9.0 | 21930 | 37 | 0.3 | |
| 16-44.0911 | -113.9292 | -2-15- | 0-110663 | 60840 | -0.05 | 990 | 19840 | 73 | 83 | 12.0 | 200 | 4.2 | 5 | 1.1 | 32870 | 9.5 | 21670 | 32 | 0.3 | |
| 16-44.0658 | -113.8283 | -2-15- | 0-110664 | 28210 | -0.04 | 342 | 10000 | 60 | 126 | 8.8 | 89 | 2.8 | 4 | 1.0 | 19270 | 9.3 | 11370 | 24 | 0.3 | |
| 16-44.0900 | -113.8483 | -2-11- | 0-110667 | 44010 | -0.04 | 864 | 45510 | 49 | -80 | 5.5 | 69 | 2.2 | 4 | 1.1 | 15830 | 6.8 | 13310 | 26 | 0.3 | |
| 16-44.0950 | -113.8494 | -2-15- | 0-110668 | 24690 | -0.03 | 228 | 41600 | 32 | 165 | 4.6 | 29 | 2.6 | 2 | 0.7 | 11080 | 1.8 | 9812 | 14 | 0.1 | |
| 16-44.0936 | -113.8547 | -2-11- | 0-110660 | 28060 | -0.03 | 561 | 44000 | 28 | 143 | 4.0 | 33 | 1.6 | 2 | 0.7 | 11730 | 3.1 | 10960 | 12 | 0.1 | |

APPENDIX I-B. (continued). Elemental Concentrations for Sediment Samples

4

| DOE SAMPLE NUMBER | | | | | | U/Th RATIO | | | | | | | | | | | | | | | | |
|-------------------|----------|-----------|---------|-------------|-----------|---------------|-----------------------------------|---|----|------|------|------|----|----|------|------|-----|------|------|-------|----|--|
| STATE | LATITUDE | LONGITUDE | DOE LAB | SAMPLE TYPE | REPLICATE | | LAB. SAMPLE LOCATION NUMBER | ELEMENTAL CONCENTRATIONS DETERMINED BY NEUTRON ACTIVATION ANALYSIS (continued) | | | | | | | | | | | | | | |
| | | | | | | | | Concentrations reported in weight parts per million (ppm) | | | | | | | | | | | | | | |
| | | | | | | | Mg | Mn | Na | Rb | Sb | Sc | Sm | Eu | Ta | Tb | Th | Ti | V | Yb | Zn | |
| 16-44 | 0304 | -113.7004 | -2-15- | 0-110440 | 10340 | 618 | 6175 | 82 | -4 | 11.4 | 6.9 | -229 | -1 | -1 | 15.9 | 3827 | 74 | 5.7 | 114 | 0.283 | | |
| 16-44 | 0364 | -113.8836 | -2-12- | 0-110440 | 9904 | 739 | 13950 | -29 | -4 | 10.1 | 7.6 | -236 | -1 | -1 | 14.3 | 3644 | 121 | -1.9 | 153 | 0.364 | | |
| 16-44 | 0364 | -113.8904 | -2-15- | 0-110450 | 9115 | 655 | 14100 | 71 | -3 | 11.2 | 7.7 | -234 | -1 | -1 | 16.2 | 3750 | 107 | 3.3 | 84 | 0.290 | | |
| 16-44 | 0436 | -113.9216 | -2-12- | 0-110451 | 10980 | 426 | 11870 | 90 | -4 | 11.1 | 12.8 | -238 | -1 | -1 | 23.4 | 3822 | 140 | 5.1 | 137 | 0.389 | | |
| 16-44 | 0222 | -113.9422 | -2-12- | 0-110452 | 9852 | 491 | 12250 | 62 | -3 | 9.9 | 7.0 | -221 | -1 | -1 | 16.5 | 4450 | 127 | 3.6 | 157 | 0.412 | | |
| 16-44 | 0181 | -113.9572 | -2-15- | 0-110453 | 11750 | 840 | 13980 | 83 | -4 | 15.4 | 7.9 | -243 | -1 | -1 | 13.8 | 3427 | 101 | -2.2 | 134 | 0.420 | | |
| 16-44 | 0178 | -113.9594 | -2-15- | 0-110454 | 7799 | 975 | 14210 | 95 | -3 | 10.4 | 6.7 | -276 | ? | -1 | 15.7 | 4204 | 121 | 2.8 | 108 | 0.312 | | |
| 16-44 | 0236 | -113.9381 | -2-15- | 0-110455 | 6498 | 1005 | 13140 | 78 | 3 | 10.7 | 6.1 | -294 | -1 | -1 | 12.6 | 2970 | 87 | 3.2 | 94 | 0.289 | | |
| 16-44 | 0244 | -113.9233 | -2-15- | 0-110456 | 9916 | 975 | 14570 | 105 | -1 | 12.4 | 6.2 | -281 | -1 | -1 | 14.5 | 3792 | 109 | 2.9 | 106 | 0.301 | | |
| 16-44 | 0422 | -113.9833 | -2-15- | 0-110457 | 11790 | 1011 | 13200 | 71 | 3 | 15.5 | 7.8 | -299 | -1 | -1 | 12.7 | 3498 | 105 | 3.1 | 129 | 0.269 | | |
| 16-44 | 0886 | -113.9006 | -2-15- | 0-110458 | 26600 | 939 | 10850 | -47 | -3 | 21.9 | 6.0 | -266 | -2 | -1 | 9.0 | 3413 | 91 | -2.0 | -53 | 0.318 | | |
| 16-44 | 1178 | -113.9697 | -2-15- | 0-110459 | 8922 | 886 | 12020 | 84 | -2 | 10.8 | 5.0 | -300 | -1 | -1 | 9.9 | 3080 | 90 | 3.0 | 160 | 0.340 | | |
| 16-44 | 0800 | -113.9210 | -2-15- | 0-110461 | 6863 | 579 | 11090 | 77 | -2 | 9.9 | 5.2 | -205 | -1 | -1 | 11.4 | 3528 | 108 | 2.5 | -112 | 0.332 | | |
| 16-44 | 0972 | -113.9300 | -2-15- | 0-110462 | 11220 | 749 | 13100 | 138 | -2 | 11.5 | 5.0 | -202 | -1 | -1 | 12.2 | 3450 | 95 | 3.5 | 141 | 0.301 | | |
| 16-44 | 0911 | -113.9292 | -2-15- | 0-110463 | 11410 | 697 | 13040 | 74 | 1 | 11.6 | 5.8 | -230 | -1 | -1 | 14.1 | 3430 | 93 | 2.8 | 147 | 0.249 | | |
| 16-44 | 0668 | -113.8282 | -2-15- | 0-110466 | 47450 | 403 | 1806 | -19 | -1 | 6.1 | 4.3 | -183 | -1 | -1 | 8.6 | 2229 | 46 | 3.3 | -70 | 0.343 | | |
| 16-44 | 0900 | -113.8453 | -2-11- | 0-110467 | 23910 | 388 | 9275 | -23 | -1 | 6.1 | 3.6 | -220 | -1 | -1 | 7.1 | 2294 | 61 | 1.7 | -41 | 0.421 | | |
| 16-44 | 0950 | -113.8494 | -2-15- | 0-110468 | 67760 | 377 | 2767 | 43 | -1 | 4.3 | 2.8 | -209 | -1 | -1 | 4.3 | 1184 | 31 | -0.7 | -28 | 0.386 | | |
| 16-44 | 0936 | -113.8547 | -2-11- | 0-110469 | 62210 | 565 | 4553 | -20 | -1 | 4.0 | 2.5 | -213 | -1 | -1 | 3.9 | -504 | 41 | 1.2 | -83 | 0.479 | | |

THIS PAGE
WAS INTENTIONALLY
LEFT BLANK

APPENDIX II

STANDARD LASL HSSR PROCEDURES AND CODES

APPENDIX II-A

Summary of Standard LASL HSSR Field and Analytical Procedures

APPENDIX II-A

SUMMARY OF STANDARD LASL HSSR FIELD AND ANALYTICAL PROCEDURES

I. FIELD PROCEDURES

Water Sampling

Water samples are collected first, directly from the source wherever possible, filtered through a 0.45- μ membrane filter (except in Alaska where this step is omitted) directly into one each, prewashed and sealed, 41-ml reactor "rabbit" and 25-ml vial (both polyethylene). Water samples in both the rabbit and vial are then acidified to a pH <1 with 8N reagent-grade HNO₃. All sample containers are doubly labeled with preprinted, adhesive labels carrying the same sample location number as that preprinted on the field data form. Springs are sampled as near to their point of emergence as possible; stream waters are taken from the fast-flowing current away from the bank; ponds (including small lakes and reservoirs) are sampled from just below the surface, near their center; 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)

Following the collection of the water sample (if any), 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 adjacent spots at each spring or stream location. The sediment is put into a new, clean, and originally sealed, rip-top polyethylene bag which is then properly double-labeled for delivery (with the field data form) to the contractor's drying facility. After drying at <100°C, each sample is sieved through a 100-mesh stainless steel sieve. The minus 100-mesh fraction is put into a prewashed, 25-ml polyethylene vial which is then appropriately double-labeled (using labels from the data form) and sealed for shipment to the LASL. In the case of lakes sampled in Alaska, the sediment is taken from as near the center of each lake as possible by dropping a tethered, stainless steel bottom sampler overboard from a pontoon-equipped helicopter. Here, only a bottom sample from a single location is taken (i.e., it is not a composite) and sampling is limited to lakes less than 10 m deep and about 0.3 to 2.0 km in least horizontal dimension. The sampler is rinsed before each use and the raw sample is put into a clean polyethylene bag, labeled, and treated as above.

Field Measurements

The air temperature, read 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-half degree Celsius. The pH of the source water is measured with a calibrated, portable pH meter and recorded to the nearest one-tenth of a pH unit. The conductivity (in μ mho/cm) of the source water is measured with a calibrated, temperature-compensated (25°C), portable meter. The scintillometer readings are measured with a portable scintillometer on a flat, dry spot within a few meters of the sample location at spring or stream sites. 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 measured calibration factors, to the equivalent uranium (eU) value in the data listings. Special measurements such as dissolved oxygen are made with a calibrated, commercially available, portable meter and probe. In lakes, the water temperature, pH, conductivity, and (special) dissolved oxygen are usually all measured with a single, digital-readout unit, utilizing a parameter selector switch and a composite probe that is lowered from the sampling helicopter to just below the water's surface. Care is taken to see that these measurements are made before the bottom sediment is disturbed.

Field Observations

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

Sample Location Verification

Each contractor is supplied field maps with the desired sample types and general locations symbolically premarked at the LASL. In the lower states, the field maps are generally 1:24 000-scale or 1:62 500-scale USGS topographic maps; in Alaska, they are normally 1:250 000-scale NTMS quadrangle maps, also available from the USGS. As each location is sampled, a unique sample location number, preprinted on transparent adhesive labels (also used for labeling the samples) that are provided with each identically numbered field data form, is placed on top of the precisely marked point representing the sample site on the field map. When a desired sample as specified cannot be obtained, an identical or alternate sample type (as near as possible to the original one) is picked, and the new sample type and/or location is/are marked on the field map and properly labeled as above. The latitude and longitude of each location is then computed by the sampling contractor within 48 h of taking each sample. Every location is later checked (and corrected if necessary) at the LASL by digitizing the sample locations on each map and comparing them to those computed in the field. The latitudes and/or longitudes are corrected if the field-computed locations are displaced by more than 300 m from the locations marked on the field maps. A final visual check of sample locations is made by overlaying computer-produced location plots on the field maps used. The computer program for generating the Universal Transverse Mercator map projection overlays is described by Cheadle (1977).

II. ANALYTICAL PROCEDURES

Uranium Determination in Water Samples by Fluorometry

Under normal procedures, the 25-ml water vial is vigorously shaken and duplicate 0.20-ml aliquots of water are transferred to platinum dishes. The aliquots are evaporated under heat lamps and a 0.4-g pellet of 2% LiF-98% NaF flux is added to each dish. The pellets are first preheated under lamps, then fused over special propane burners. After each pellet/sample cools, it is excited with ultraviolet radiation in the fluorometer and the fluorescence is read and recorded. The uranium concentrations are determined by using a computer routine which compares the fluorescence from each pellet with those from other pellets, run at the same time, containing uranium-standard solutions and

blanks. The uranium concentration of the sample, as given in the appropriate data listings, is then the average obtained from the duplicate aliquots. The lower limit of detection for each aliquot by the normal procedure is 0.2 ppb; however, in some areas many samples have uranium concentrations below this. Consequently, when a sample run by the normal procedure is determined to have <0.2 ppb uranium, it is routinely reanalyzed using new duplicate aliquots that have been put through an additional evaporative concentration step that provides a 10X concentration factor. This additional procedure, using the same basic fluorometric method, reduces the lower limit of detection of uranium in natural waters to 0.02 ppb. When a uranium concentration lower than 0.02 ppb (0.2 for samples analyzed in 1976) is found in an aliquot, it is arbitrarily assigned a value of 0.01 ppb. If the uranium value given in the data listings is 0.01 ppb (0.1 for 1976 samples), both aliquots had uranium concentrations below the detection limit. Whether concentrated or not (which can be determined from the uranium level in the listing), the fluorometric analytical precision is $\pm 30\%$ at the lower detection limit, $\pm 20\%$ at one order of magnitude above this, and $\pm 10\%$ at two or more orders of magnitude above the lower detection limit. The basic fluorometric method used is described in detail by Hues et al (1977).

Uranium Determination in Water Samples by Delayed-Neutron Counting (DNC)

Only waters with >40 ppb uranium (>10 ppb for 1976 samples) as determined by fluorometry at the LASL, where this is the upper limit of detection without recalibration, or those with impurities that cause interference with uranium-induced fluorescence are analyzed using DNC. Samples are received in 41-ml or 25-ml vials (used exclusively in some of the early work) and 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 vials are then loaded into a 25-sample transfer clip. The reactor pneumatic transfer system and background radiation levels are checked and four standards are run for calibration. The transfer clip is installed on the pneumatic feed line and the samples are cycled through the system (typically, a 50-s irradiation, 30-s delay, and 60-s count cycle is used). The uranium concentration is automatically measured, converted to ppb, and entered into a computer data base. The lower detection limit for uranium in water by DNC as used at the LASL is 0.5 ppb. The statistical error of this method is $\pm 20\%$ at a uranium concentration of 1 ppb, $\pm 6\%$ at 10 ppb, and $<4\%$ at 40 ppb or greater. Statistical treatments of uranium concentrations obtained from the same suites of samples analyzed both by fluorometry and DNC have shown that there is no significant difference between the results of the two analytical methods as used at the LASL. This analytical comparability is rechecked periodically.

Uranium Determination in Sediment Samples by DNC

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, and its weight (less that of the rabbit) recorded along with the appropriate location number. These rabbits are then loaded into a 50-sample transfer clip. The reactor pneumatic transfer system and background radiation levels are checked, and standards are run for calibration. The transfer clip is installed and the samples are cycled through the system (typically, a 20-s irradiation, 10-s delay, and 30-s count cycle is used). The uranium concentration is automatically measured, converted to ppm, and

entered into the data base. The lower limit of detection of this method is 0.01 ppm uranium, far below the range of uranium concentrations in natural sediment samples. Above the 1 ppm level, the uranium values in sediment measured by DNC at the LASL have a one-sigma error of less than 4%. The specially designed delayed-neutron detectors, built by the LASL and used for these analyses, are described by Balestrini et al (1975).

Elemental Determinations in Sediment Samples by Energy Dispersive X-Ray Fluorescence

A computer-controlled, energy-dispersive x-ray fluorescence system is used to determine Ag, As, Bi, Cd, Cu, Nb, Ni, Pb, Se, Sn, W, and Zr in sediments. The system consists of an automatic 20-position sample changer, a lithium-drifted silicon detector, a pulsed molybdenum transmission-target x-ray tube, a multichannel analyzer, and a minicomputer. The sediment samples are prepared for analysis by grinding 6 g of each minus 100-mesh sample to a minus 325-mesh powder. A computer program positions the 6-g samples in the x-ray beam, unfolds overlapping peaks, determines peak intensities for each element, and calculates the ratio of the intensity of each peak to that of the molybdenum K_{α} Compton peak. Concentrations of each element are then calculated using equations obtained by analyzing prepared standards. Detection limits are: 5 ppm for Ag, As, Bi, Cd, Pb, Se, and Zr; 10 ppm for Cu and Sn; 15 ppm for Ni and W; and 20 ppm for Nb. When an analysis results in an elemental concentration that is below the detection limit, a minus sign preceding the value of the detection limit for that element is inserted in the data listings. The relative standard deviation is 10% or less at the 100-ppm level and 20% or less at the 20-ppm level. Details of the method and equipment used are described by Hansel and Martell (1977).

Beryllium and Lithium Determinations in Sediment Samples by Arc-Source Emission Spectrography

A 5-mg portion of the -325-mesh sample that has already been analyzed by x-ray fluorescence is mixed with 10 mg of a buffer consisting of one part graphite and one part SiO_2 . The sample/buffer mixture is placed into a graphite electrode that is used as the anode of a dc arc having a short circuit current of 6A for 10 s, then 17A for 50 s. Photomultiplier tubes in a direct-reading spectrograph are used to measure the second order 313.0-nm line of Be, the first order 670.7- and 610.3-nm lines of Li, the background spectra near these lines, and the 327.6-nm line of V. The 670.7-nm Li line is used for Li concentrations up to 10 ppm and the 610.3-nm line of Li is used for concentrations above 10 ppm. The V line is used to correct the Be value when V is present. The signals from the photomultiplier tubes are read by a digital voltmeter and are processed by a desk-top calculator. The results are simultaneously printed on paper and written on cassette tape for later transmission to a computer data file. The elemental concentrations of Be and Li are determined from the spectra, based on the results of previously run calibration standards. The lower detection limit for both elements is 1 ppm. When an analysis results in an elemental concentration that is below the detection limit, a minus sign preceding the value of the detection limit for that element is inserted in the data listings. Precision at the lower detection limit is $\sim 50\%$ for both elements and improves to $\sim 25\%$ at one order of magnitude above the lower limit.

Elemental Determinations in Sediment Samples by Neutron Activation Analysis (NAA)

Immediately upon completion of the uranium analysis of sediment samples by DNC, the same 4-ml sediment splits are entered into the NAA sequence. The concentrations of 31 additional elements are determined by this procedure. The full DNC/NAA timing sequence used at the LASL for each sediment sample is: 20-s irradiation, 10-s delay, 30-s DNC analysis, 20-min delay, 500-s γ -ray count for short-lived radionuclides, 96-s re-irradiation, 14-day delay, and finally a 1000-s γ -ray count for long-lived radionuclides. The γ -ray counting is done by lead-shielded Ge(Li) detectors; the 4096-channel γ -ray data are recorded and subsequently analyzed for each individual element by computer. The analytical data for each sample are automatically printed out along with the associated statistical errors. The lower detection limits for the various elements as reflected by the "less than" values (denoted by a minus sign in front of a concentration) in the data listings are the values for the individual elements at which the statistical counting error approaches 50%. Current "typical" lower detection limits for the elements determined by NAA are reported in Nunes and Weaver (1978); however, the actual detection limit for an element depends upon the composition of the sample, and this limit may be higher or lower than the typical value. At concentration values one order of magnitude above the lower detection limits, the relative errors are generally less than 10%.

APPENDIX II-B

Explanation of Codes Used in Appendix I

APPENDIX II-B

EXPLANATION OF CODES USED

DOE SAMPLE NUMBER

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

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

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

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

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

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 all smaller sequential numbers representing earlier samples back to 0, 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 a single zero.

LASL SAMPLE LOCATION NUMBER AND FIELD DATA

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

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

TIME SAMPLED: The DATE 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 measured in the shade at the time of sampling, to the nearest whole degree Celsius ($^{\circ}\text{C}$).

WATER TEMPERATURE: The temperature measured in the sample water (in situ whenever possible) at the time of sampling, to the nearest one-half of one degree Celsius (0.5°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, measured in the water at the sample location at the time of sampling.

CONDUCTIVITY: The conductivity, in $\mu\text{mho/cm}$, measured in the water at the sample location at the time of sampling.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| | | |
|----------------|-------------|-------------|
| 1 = Depositing | 2 = Eroding | 3 = Unknown |
|----------------|-------------|-------------|

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: Not used.

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

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

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

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

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

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

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

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

REMAINING ENTRIES: The data presented in the remaining entries of the listings utilize no codes as such and are described in the respective column headings. However, there are four conventions used throughout the listings of elemental concentrations: a) all concentrations in waters are reported in ppb; b) all concentrations in sediments are reported in ppm; c) concentrations "less than" the lower detection limit are denoted by a minus sign before this limit for the specific sample (except for fluorometrically determined uranium in waters, the convention for which is described in section A of this appendix); and d) a blank space in the data listings for any elemental concentration signifies that no analytical result was obtained for that element.

APPENDIX II-C

Key to Sample Types Listed in Appendix I

APPENDIX II-C

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, stream, dry stream, etc.); (b) The sample medium (water or sediment); and (c) The treatment given the sample in the field or laboratory prior to its analysis by the LASL.

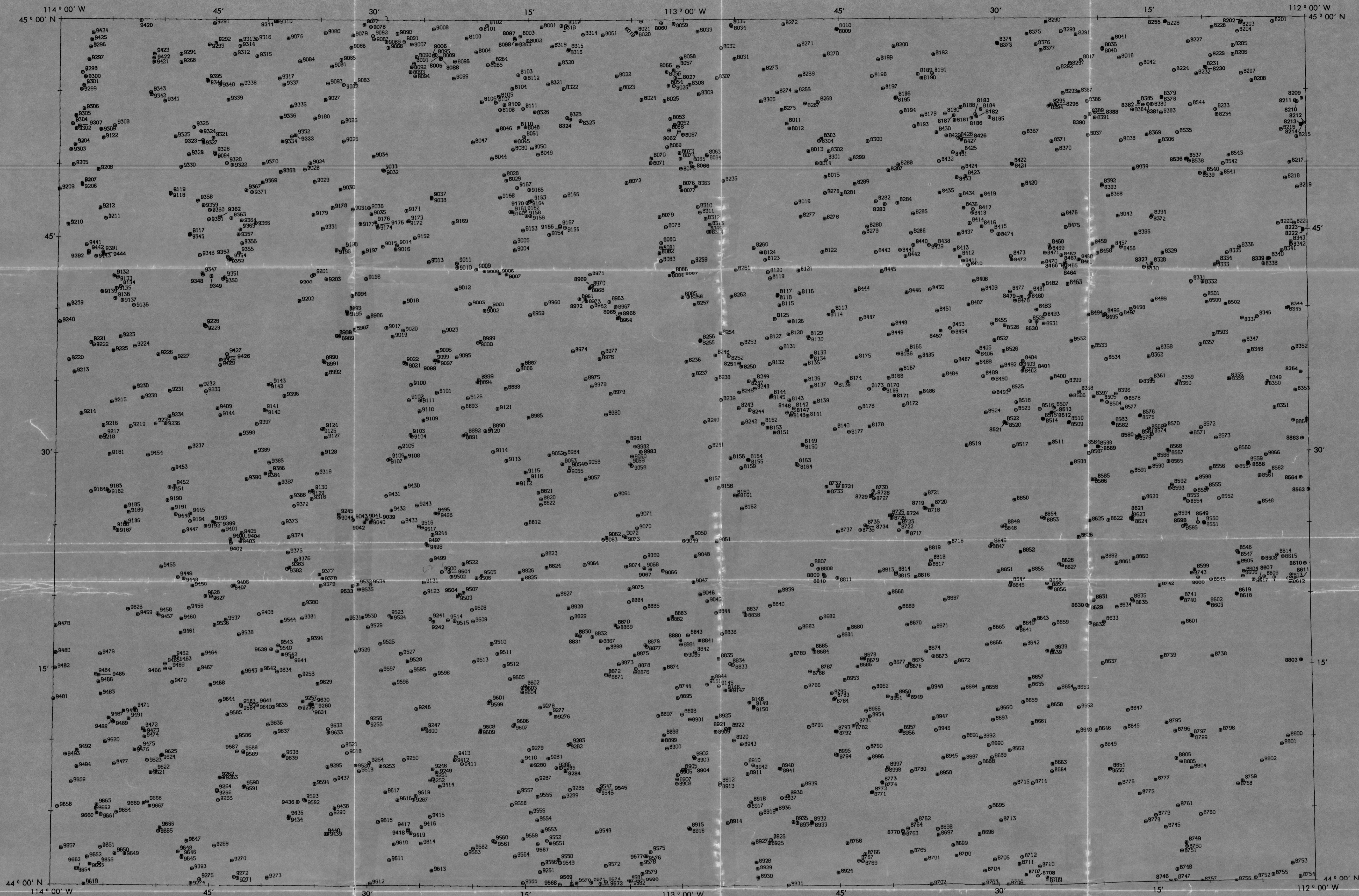
The key numbers are inserted in the sample type columns of the specially formatted DOE sample numbering system to positively identify the sample type for all LASL sample data submitted.

| <u>KEY NO.</u> | <u>SOURCE / MEDIUM / TREATMENT</u> |
|----------------|---|
| 01 | - <u>Spring water</u> sample <u>untreated</u> . |
| 02 | - <u>Stream water</u> sample <u>untreated</u> . |
| 03 | - <u>Well water</u> sample <u>untreated</u> . |
| 04 | - <u>Natural pond water</u> sample <u>untreated</u> . |
| 05 | - <u>Artificial pond water</u> sample <u>untreated</u> . |
| 06 | - <u>Spring water</u> sample <u>filtered</u> through a 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 a 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 a 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 a 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 a 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> and <u>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. |

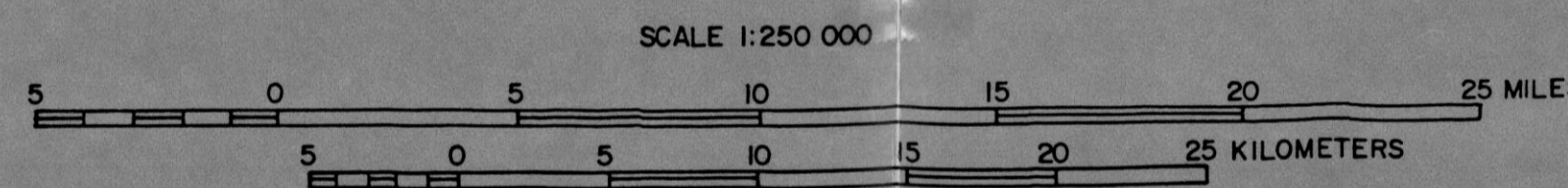
- 13 - Wet natural pond sediment sample dried at $\leq 100^{\circ}\text{C}$ and sieved to -100 mesh through stainless steel sieves.
- 14 - Wet artificial pond sediment sample dried at $\leq 100^{\circ}\text{C}$ and sieved to -100 mesh through stainless steel sieves.
- 15 - Dry stream sediment sample dried at $\leq 100^{\circ}\text{C}$ (if necessary) and sieved to -100 mesh through stainless steel sieves.
- 27 - Stream water sample acidified to a pH of ≤ 1 with reagent-grade nitric acid (HNO_3).
- 29 - Natural pond or lake water sample acidified to a pH of ≤ 1 with reagent-grade nitric acid (HNO_3).
- 96 - Dry natural pond sediment sample dried at $\leq 100^{\circ}\text{C}$ (if necessary) and sieved to -100 mesh through stainless steel sieves.
- 97 - Dry artificial pond sediment sample dried at $\leq 100^{\circ}\text{C}$ (if necessary) and sieved to -100 mesh through stainless steel sieves.
- 99 - Dry spring sediment sample dried at $\leq 100^{\circ}\text{C}$ (if necessary) and sieved to -100 mesh through stainless steel sieves.

REFERENCES

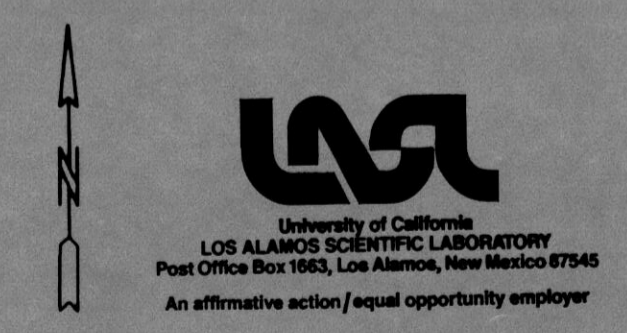
- AAA Engineering, Inc., 1979, Geologic map of the Dubois NTMS quadrangle, Idaho/Montana (1:250 000-scale), prepared in accordance with Bendix Field Engineering Corporation Specification 1125B for the US DOE, Grand Junction, CO.
- Balestrini, S. J., Balagna, J. P., and Menlove, H. O., 1976, Two specialized delayed-neutron detector designs for assays of fissionable elements in water and sediment samples, Nucl. Instrum. and Methods, v. 136, pp. 521-524.
- Broxton, D. E., 1978, Uranium hydrogeochemical and stream sediment reconnaissance in southwestern Montana, GJBX-28(78), US DOE, Grand Junction, CO, 95 p.
- Cheadle, J. III, 1977, Computer program for Universal Transverse Mercator map projection, GJBX-54(77), US ERDA, Grand Junction, CO, 11 p.
- Hansel, J. M., and Martell, C. J., 1977, Automated energy-dispersive x-ray determination of trace elements in streams, GJBX-52(77), US ERDA, Grand Junction, CO, 8 p.
- Hues, A. D., Henicksman, A. L., Ashley, W. H., and Romero, D., 1977, The fluorometric determination of uranium in natural waters, GJBX-24(77), US ERDA, Grand Junction, CO, 11 p.
- Nunes, H. P., and Weaver, T. A., 1978, Hydrogeochemical and Stream Sediment Reconnaissance of the National Uranium Resource Evaluation program in the Rocky Mountain States of New Mexico, Colorado, Wyoming, and Montana and the state of Alaska, July-September 1977, GJBX-27(78), US DOE, Grand Junction, CO, 14 p.
- Rember, W. C., and Bennet, E. H., 1979, Geologic map of the Dubois quadrangle, Idaho, (1:250 000 scale), Idaho Bureau of Mines and Geology, Moscow, ID.
- USGS (United States Geological Survey), 1955, revised 1978, Dubois, Idaho/Montana, Topographic map NL 12-10 (1:250 000 scale), Denver, CO.

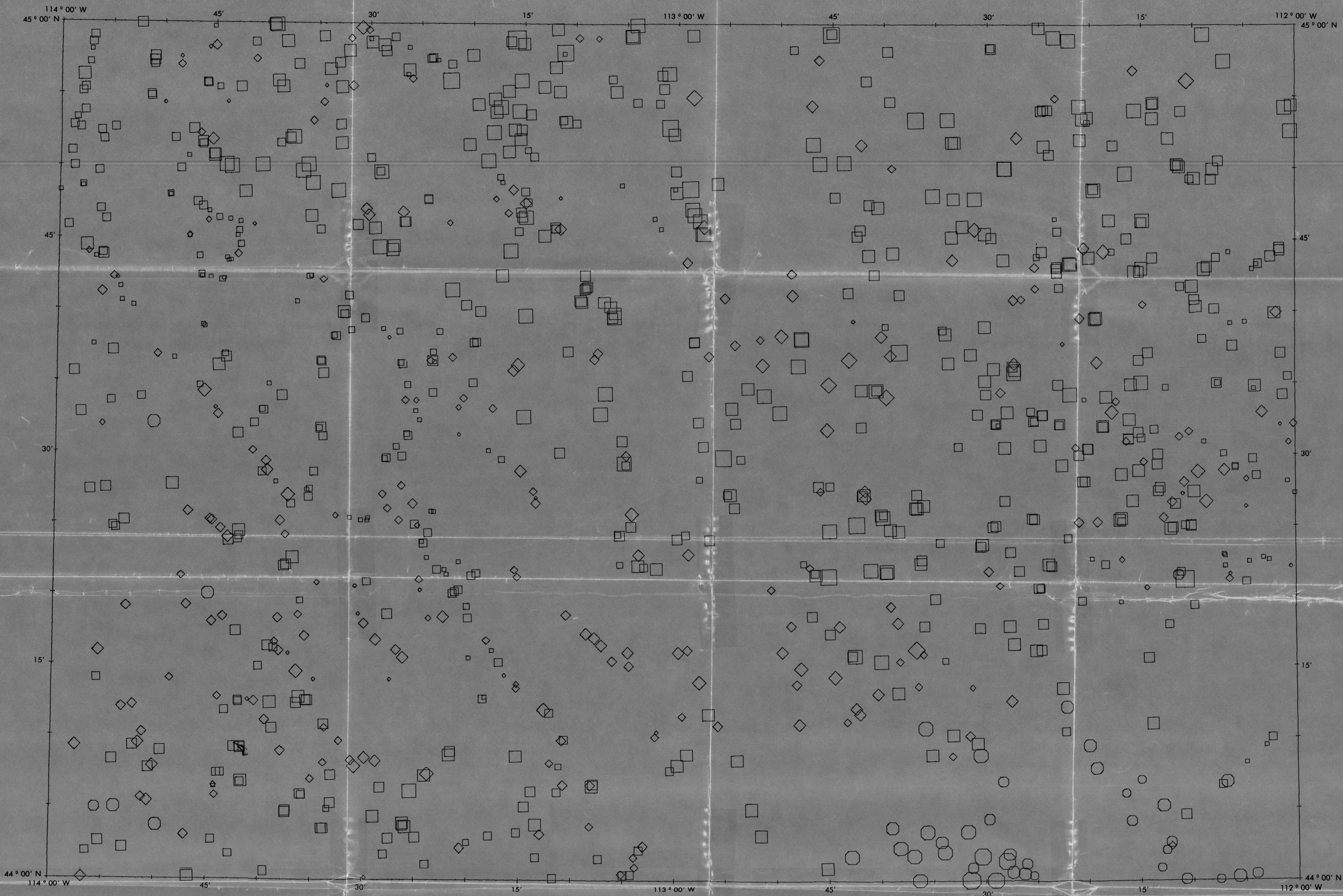


The LASL sample location numbers above are the same as those used in APPENDIX I except the leading two alphanumeric characters have been dropped.



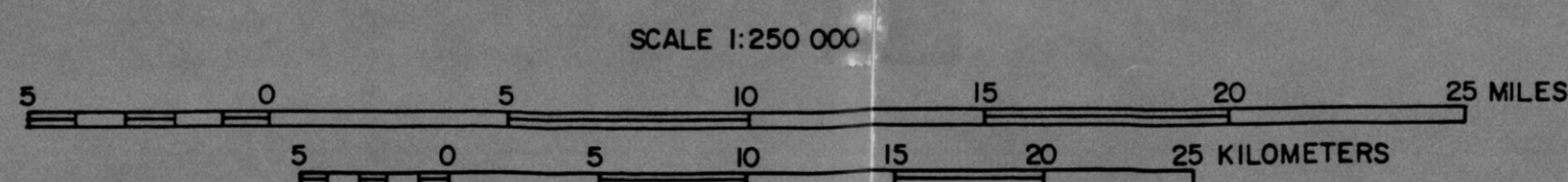
**SAMPLE LOCATION OVERLAY
FOR THE DUBOIS NTMS QUADRANGLE,
IDAHO/ MONTANA.**



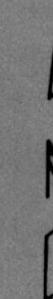


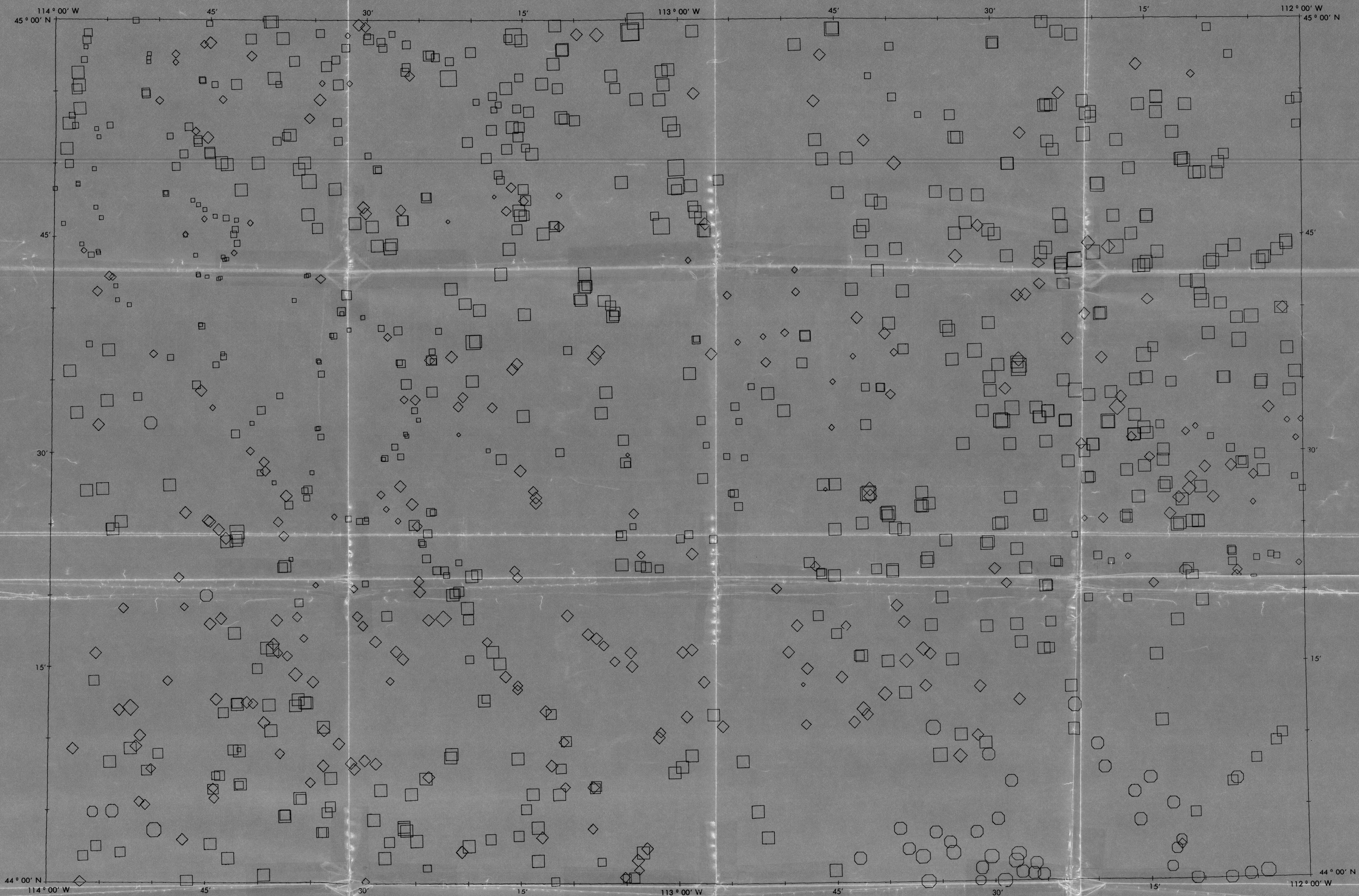
LEGEND

| SYMBOLS | | CONCENTRATIONS (ppb) | |
|---------|----------------|----------------------|-------------|
| ◇ | SPRING | ○ | 0.00- .10 |
| □ | SURFACE STREAM | ◻ | .11- .20 |
| ○ | WELL | ◻ | .21- .50 |
| | | ◻ | .51- 1.00 |
| | | ◻ | 1.01- 2.00 |
| | | ◻ | 2.01- 5.00 |
| | | ◻ | 5.01- 10.00 |
| | | ◻ | > 10.00 |



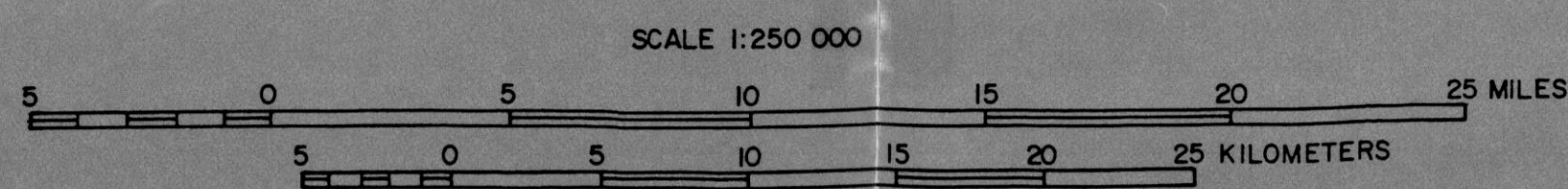
URANIUM CONCENTRATIONS (ppb) IN WATERS -
 OVERLAY TO THE DUBOIS NTMS QUADRANGLE,
 IDAHO/MONTANA.



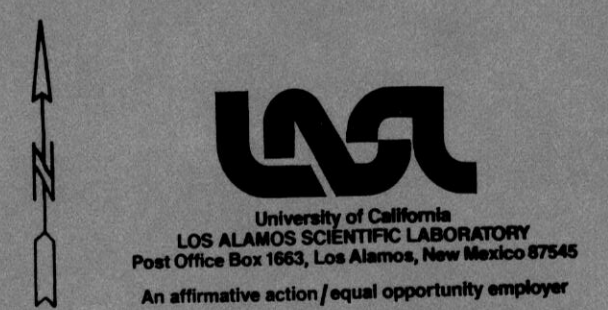


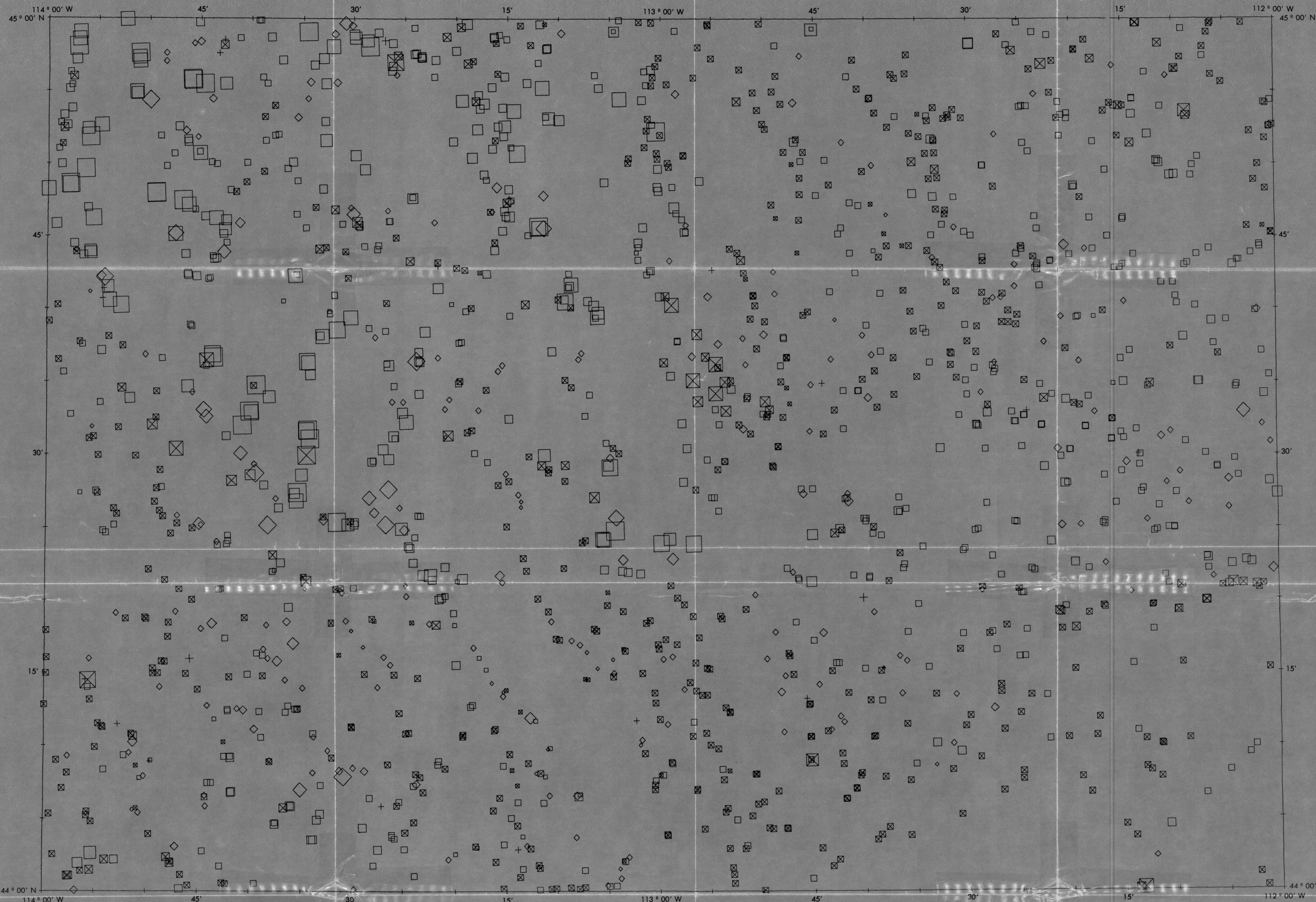
LEGEND

| SYMBOLS | | CONDUCTIVITIES ($\mu\text{mho/cm}$) | |
|---------|----------------|---------------------------------------|-------------|
| | SPRING | | 0 - 20 |
| | SURFACE STREAM | | 21 - 50 |
| | WELL | | 51 - 100 |
| | | | 101 - 200 |
| | | | 201 - 500 |
| | | | 501 - 1000 |
| | | | 1001 - 2000 |
| | | | > 2000 |



CONDUCTIVITIES ($\mu\text{mho/cm}$) IN WATERS -
 OVERLAY TO THE DUBOIS NTMS QUADRANGLE,
 IDAHO/MONTANA.





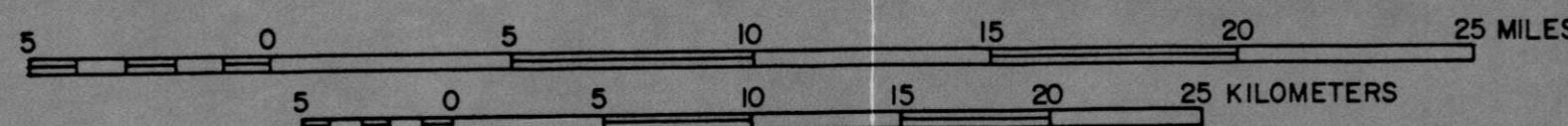
LEGEND

SYMBOLS

CONCENTRATIONS (ppm)

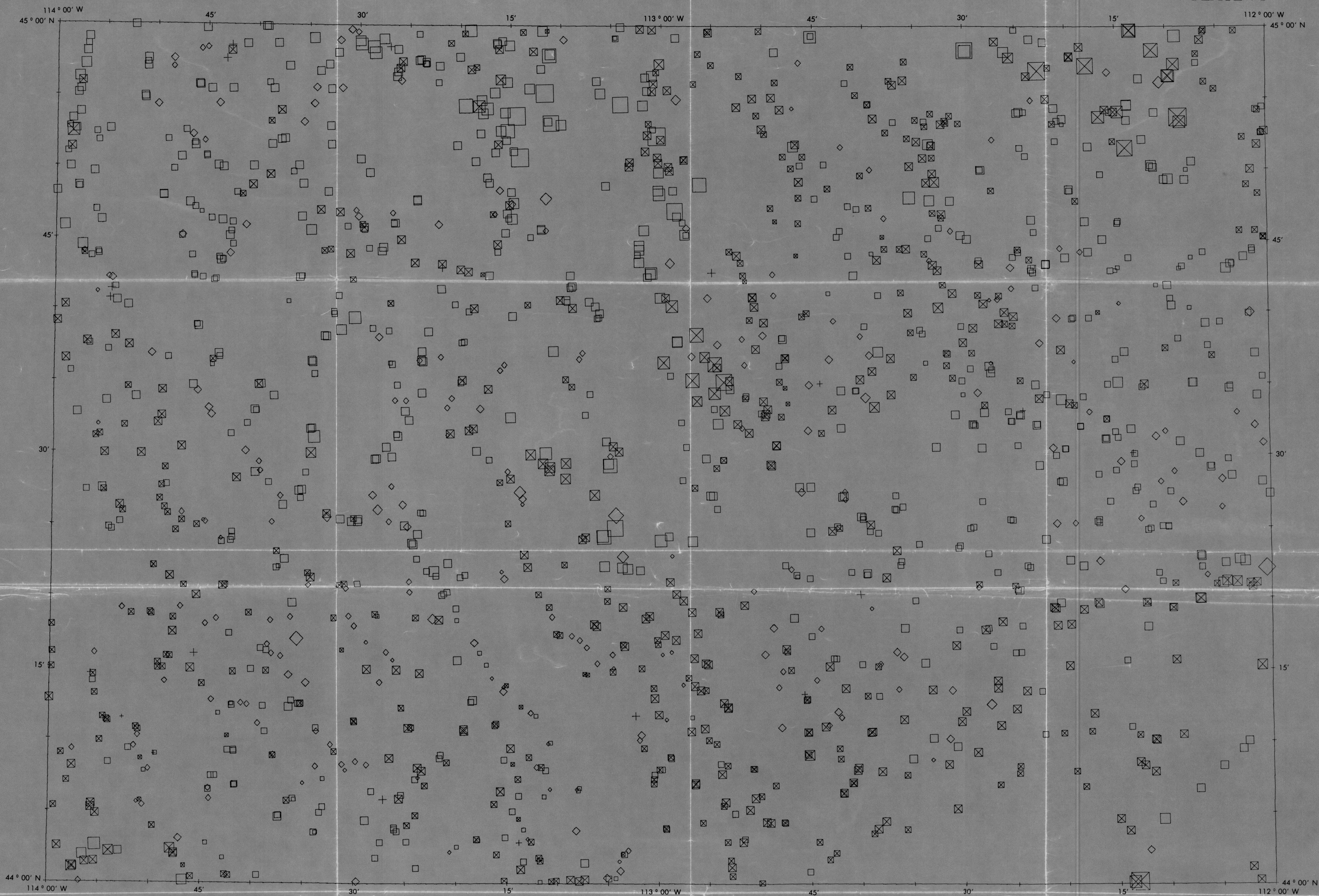
| | | | | | |
|--------------|---|---|---|---|--------------|
| ◇ WET SPRING | ◇ | ◇ | ◇ | + | 0.00- 2.00 |
| □ WET STREAM | ◇ | □ | □ | + | 2.01- 4.00 |
| ⊠ DRY STREAM | ◇ | □ | ⊠ | + | 4.01- 6.00 |
| + DRY SPRING | ◇ | □ | ⊠ | + | 6.01- 8.00 |
| | ◇ | □ | ⊠ | + | 8.01- 10.00 |
| | ◇ | □ | ⊠ | + | 10.01- 15.00 |
| | ◇ | □ | ⊠ | + | 15.01- 20.00 |
| | ◇ | □ | ⊠ | + | > 20.00 |

SCALE 1:250 000



URANIUM CONCENTRATIONS (ppm)
 IN SEDIMENTS - OVERLAY TO THE
 DUBOIS NTMS QUADRANGLE, IDAHO/MONTANA.





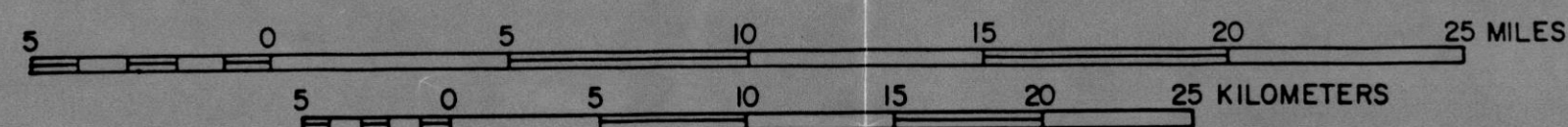
LEGEND

SYMBOLS

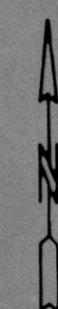
CONCENTRATIONS (ppm)

| | | | | |
|---|---|---|---|------------|
| ◇ | ◇ | ◇ | + | 0.0- 5.0 |
| ◇ | ◇ | ◇ | + | 5.1- 10.0 |
| ◇ | ◇ | ◇ | + | 10.1- 15.0 |
| ◇ | ◇ | ◇ | + | 15.1- 20.0 |
| ◇ | ◇ | ◇ | + | 20.1- 25.0 |
| ◇ | ◇ | ◇ | + | 25.1- 30.0 |
| ◇ | ◇ | ◇ | + | 30.1- 40.0 |
| ◇ | ◇ | ◇ | + | > 40.0 |
| □ | □ | □ | | |
| ⊠ | ⊠ | ⊠ | | |
| + | | | | |

SCALE 1:250 000



THORIUM CONCENTRATIONS (ppm)
 IN SEDIMENTS - OVERLAY TO THE
 DUBOIS NTMS QUADRANGLE, IDAHO/MONTANA.



University of California
 LOS ALAMOS SCIENTIFIC LABORATORY
 Post Office Box 1663, Los Alamos, New Mexico 87545
 An affirmative action/equal opportunity employer