Appendix A

Summary of Phase I Sampling Program for the DMTS Fugitive Dust Risk Assessment

Summary of Phase I Sampling Program for the DMTS Fugitive Dust Risk Assessment

Introduction

The Phase I field study for the DeLong Mountain Regional Transportation System (DMTS) fugitive dust risk assessment consisted of five major elements that provided additional information to assess possible risk to the environment and human health from the DMTS. These elements were a marine assessment, a lagoon assessment, a freshwater aquatic assessment, a terrestrial assessment, and a spills assessment (evaluating historic petroleum spills). Information on the study design and objectives is provided in Exponent (2003a,b).

The Phase I field study was composed of three sampling events. The first Phase I sampling event was conducted in June 2003. During this first sampling event, sediment and surface water samples were collected at the port site prior to shipping activities. The second Phase I sampling event was conducted in July 2003. During the second sampling event, surface sediment, surface water, soil, tundra soil, and moss were collected along or adjacent to the DMTS road. The third Phase I sampling event was conducted in September 2003. During the third sampling event, sediment and surface water samples were collected at the port site during the shipping season.

June 2003 Sampling Event

Marine Assessment

Sediment and surface water samples were collected at the port site prior to 2003 shipping activities at the facility. Sediment and surface water samples were co-located at the same stations. The marine assessment evaluated the concentrations of chemicals of potential concern (CoPCs) in surface sediments and surface water at stations in the Chukchi Sea in the vicinity of the shiploader. The station locations were selected primarily on the basis of historical evaluations (RWJ 1997; Exponent 2003d) and off-shore current patterns (prevailing current is northward) and were designed to allow evaluation of possible gradients of CoPC concentrations in relation to potential sources, as well as potential temporal changes in CoPC concentrations (i.e., by resampling stations from previous studies).

Thirty-two stations were sampled for surface sediment during the June 2003 sampling event (Figure A-1): 26 site stations and 6 reference area stations. The site stations were located on a grid that had been sampled historically in the vicinity of the port site (RWJ 1997; Exponent 2003c,d). The reference area stations were located upwind and upcurrent of the port facility. Metals and conventional analytes (Table A-1) were analyzed at 8 of the 26 site stations and at all of the reference area stations (Figure A-1). This subset of site locations represented a range of concentrations observed historically, at different distances and orientations relative to the shiploader, including locations beneath and downcurrent (north) of the shiploader that were

expected to have the highest concentrations, based on data collected previously (RWJ 1997; Exponent 2003d). Lead, zinc, and cadmium analyses were conducted at all of the remaining site grid stations (Figure A-1).

Seven stations were sampled for surface water during the June 2003 sampling event (Figure A-1): four site stations and three reference area stations. Sediment and surface water samples were co-located at the same stations. Metals and conventional analytes (Table A-1) were analyzed in surface water collected at all of the site and reference area stations (Figure A-1).

Field Methods

Table A-2 provides a summary of the general characteristics of each station sampled at the site and reference areas. Station locations were established on the basis of station location coordinates from historical sampling locations (RWJ 1997; Exponent 2003d) and the specifications provided in the work plan (Exponent 2003b). Sediment and surface water were sampled for chemical analysis according to the field methods described in the field sampling and analysis plan (Exponent 2003a). All sampling equipment for sediment and surface water collection was constructed of either stainless steel or Teflon®, respectively, and was decontaminated prior to sampling according to the procedures described in the field sampling and analysis plan (Exponent 2003a). Undisturbed surface sediment was collected from the upper 0–2 cm interval using either an Ekman grab sampler, a modified petite-Ponar grab sampler, or by divers. Surface water was collected from approximately 1 m below the water surface using a depth integrated sampler. The samples were placed into appropriate chemically cleaned containers and held at 4°C during shipment and prior to testing. Field duplicates and replicates were collected at a frequency of 1 per 20 samples. The samples were sent to Columbia Analytical Services, Inc. (Kelso, Washington) for analysis.

Modifications to the Field Sampling and Analysis Plan

The following modifications were made to the Phase I sampling strategy for the June 2003 marine assessment described in the field sampling and analysis plan (Exponent 2003a):

- Multiple attempts (i.e., 28 attempts) were made at Station NMS to obtain an undisturbed surface sediment sample. Rocks, gravel, and sand prevented the jaws of the grab sampler (i.e., Ekman) from closing, thereby allowing the sediment to wash out of the grab sampler. Station NMS was repositioned to the southeast on line with the other grid stations and renamed NMS-ext.

- The full list of metals and conventional analytes (Table A-1) was analyzed at Station NMN rather than the planned subset of lead, zinc, and cadmium.

- Because of the limited percent fines and high gravel content found at Station NMT, only lead, zinc, and cadmium analyses were performed at this station. Instead, the full list of metals and conventional analytes was analyzed at Station NMU, which is located immediately to the north of Station NMT on the sampling grid (see Figure A-1).

- During the field event, because of an agency request, three additional reference area stations were added at locations with water depths more similar to some of the onsite stations. Sediment was collected at all six reference area stations, and surface water samples were analyzed at three of the six reference area stations.

The quality and usability of the data generated from this field event were not affected by any of these modifications and substitutions.

July 2003

Lagoon Assessment

Sediment and surface water samples were collected from coastal lagoons to the north and west (prevailing downwind) of the port facilities. Sediment and surface water samples were co-located at the same stations. The station locations were selected to allow evaluation of worst-case lagoon conditions, as well as possible gradients of CoPC concentrations in relation to potential sources, and potential temporal changes in CoPC concentrations (i.e., by resampling stations from previous studies [RWJ 1997; Exponent 2003c]).

Eleven stations were sampled for sediment and surface water (Figure A-2): eight site stations were located in three lagoons to the north of the port facilities and three reference area stations were located in one lagoon to the south of the port facilities (i.e., in the prevailing upwind direction from the DMTS). Metals and conventional analytes (Table A-1) were analyzed at all of the site and reference area stations.

Field Methods

Table A-3 provides a summary of the general characteristics of each station sampled at the site and at the reference area. Station locations were established on the basis of station location coordinates from historical sampling locations (RWJ 1997; Exponent 2003d), a request from a local community, and the specifications provided in the work plan (Exponent 2003b). Sediment and surface water were sampled for chemical analysis according to the field methods described in the field sampling and analysis plan (Exponent 2003a). All sampling equipment for sediment and surface water collection was constructed of either stainless steel or Teflon®, respectively, and was decontaminated prior to sampling according to the procedures described in the field sampling and analysis plan (Exponent 2003a). Undisturbed surface sediment was collected from the upper 0–2 cm interval using an Ekman grab sampler. Surface water was collected using a depth integrated sampler. The samples were placed into appropriate chemically cleaned containers and held at 4°C during shipment and prior to testing. Field duplicates and replicates were collected at a frequency of 1 per 20 samples. The samples were sent to Columbia Analytical Services, Inc. (Kelso, Washington) for analysis.

Modifications to the Field Sampling and Analysis Plan

The following modifications were made to the Phase I sampling strategy for the lagoon assessment described in the field sampling and analysis plan (Exponent 2003a):

- Four lagoon stations were added to the study design. These stations are in the Ipiavic Lagoon located north-northwest of the port facility (see Figure A-2).

The quality and usability of the data generated from this field event were not affected by this additional scope.

Freshwater Aquatic Assessment

Sediments were collected from tundra ponds and streams located along the DMTS between the port and the mine. Surface water samples were also collected from the tundra ponds. Sediment and surface water samples were co-located at the same stations. The tundra pond stations were located in ponds at varying distances from the road (i.e., pond transects) and at varying distances from the port site to evaluate gradients of CoPC concentrations in relation to potential sources (see Figure A-3).

Nine tundra ponds were sampled with one station in each of the tundra ponds. Four site stations were located in tundra ponds downwind of the DMTS and five reference area stations were located in the prevailing upwind direction from the DMTS and separated from the DMTS by topography (i.e., the reference area was located in the next valley to the south of the DMTS). Twenty freshwater stream stations were sampled for the freshwater assessment (Figure A-3). Fifteen site stations were located on 4 streams along the DMTS road (including stations upstream and downstream of the DMTS road) and 5 reference area stations were located on 5 streams in the prevailing upwind direction from the DMTS and separated from the DMTS by topography (i.e., the reference area was located in the next valley to the south of the DMTS). Surface water was also collected at all of the tundra pond site stations and at three of the reference area tundra pond and stream stations. Sediment sample stations on the freshwater streams that are near the DMTS road coincided with stations at which Teck Cominco regularly collects water samples and therefore no additional surface water samples were collected at these locations during the sampling event. Metals and conventional analytes (Table A-1) were analyzed at all of the site and reference area stations.

Field Methods

Table A-3 provides a summary of the general characteristics of each station sampled at the site and at the reference area. Sediment and surface water were sampled for chemical analysis according to the field methods described in the field sampling and analysis plan (Exponent 2003a). All sampling equipment for sediment and surface water collection was constructed of either stainless steel or Teflon®, respectively, and was decontaminated prior to sampling according to the procedures described in the field sampling and analysis plan (Exponent 2003a). Undisturbed surface sediment was collected from the upper 0–2 cm interval using an Ekman grab sampler. Surface water was collected using a depth integrated sampler. The samples were

placed into appropriate chemically cleaned containers and held at 4°C during shipment and prior to testing. Field duplicates and replicates were collected at a frequency of 1 per 20 samples. The samples were sent to Columbia Analytical Services, Inc. (Kelso, Washington) for analysis.

Modifications to the Field Sampling and Analysis Plan

The following modifications were made to the Phase I sampling strategy for the freshwater aquatic assessment described in the field sampling and analysis plan (Exponent 2003a):

- Based on onsite reconnaissance of actual tundra pond locations along the DMTS road, the areas proposed for tundra pond sampling were relocated along the road to the southwest. The stations were still located as close as possible to port facilities and on the downwind (northwest) side of the road.
- Due to conditions encountered in the field, Station TP2-1000 was actually located 850 m from the DMTS road.
- One of the streams in the reference area (Station ST-REF-3) was dry (i.e., no water). Station ST-REF-3 was relocated to another stream within the same valley.

The quality and usability of the data generated from this field event were not affected by this modification.

Terrestrial Assessment

The terrestrial assessment evaluated the CoPC concentrations in surface soils collected along the length of the DMTS road between the port and mine, and in tundra soils collected on four transects extending to the downwind (northwest) side of the DMTS road. Moss samples were also collected at each of the transect stations and were collocated with the tundra soil samples. The terrestrial transects began at the edge of the road with a road shoulder sample, and extended out into the tundra toward the downwind (northwest) side of the road (see Figure A-4). The road shoulder stations were collocated with stations sampled in the 2001 field program (Exponent 2002a).

Seventeen road shoulder soil samples (12 site stations located on the DMTS road shoulder and 5 reference area stations[1]) were collected along the DMTS road between the port and mine. Twenty-two tundra soil samples (12 site stations and 10 reference area stations) were collected along the terrestrial transects that extended out to the northwest from the DMTS road (Figure A-4). Moss samples were also collected at 20 of the 22 tundra soil stations. Metals and conventional analytes (Table A-1) were analyzed at all of the site and reference area stations.

[1] Source for road material during construction and the primary source for subsequent road repairs and maintenance.

Field Methods

Table A-3 provides a summary of the general characteristics of each station sampled at the site and at the reference area. Road shoulder soil and tundra soil were sampled for chemical analysis according to the field methods described in the field sampling and analysis plan (Exponent 2003a). Composite surface soil samples were collected by hand from the shoulder of the DMTS road at the toe of the embankment and at the material sites. Tundra soil samples were also collected by hand at a single location at all terrestrial transect stations.

Moss collection methods used for previous studies were followed in this sampling effort, with some minor modifications. A single composite sample of stair-step moss (*Hylocomium splendens*) was collected at each terrestrial transect sampling station along the DMTS road. Moss samples were collected, aged, and processed in accordance with established National Park Services procedures (Exponent 2002).

The soil, tundra soil, and moss samples were placed into appropriately cleaned containers and held at 4°C during shipment and prior to testing. Field duplicates and replicates were collected at a frequency of 1 per 20 samples. The samples were sent to Columbia Analytical Services, Inc. (Kelso, Washington) for analysis.

Modifications to the Field Sampling and Analysis Plan

The following modifications were made to the Phase I sampling strategy for the terrestrial assessment described in the field sampling and analysis plan (Exponent 2003a):

- The road shoulder and tundra soil samples were collected by hand using a new, clean pair of latex gloves for each sample rather than a stainless-steel spade or spoon.
- After walking the grid pattern specified in the field sampling and analysis plan (Exponent 2003a), no moss (*Hylocomium splendens*) sample was located at Station C1T2-10N on terrestrial transect TT1. Terrestrial transect TT1 was relocated slightly to the east to obtain moss samples at the 100-ft and 1,000-ft stations on this transect.
- An additional moss sample was collected at the reference area.

Because the substituted methods are similar to the methods specified in the field sampling plan (Exponent 2003a), the quality and usability of the data generated from this field event were not affected by any of the substitutions. In addition, the relocation of stations from those proposed in the study design will not affect the quality and usability of the data.

Former Spills Assessment

Tundra soil and inorganic soil were collected along a transect associated with historical spills of non-metals materials at the port facility (Figure A-5). These samples were collected to assist

with the evaluation of selected fuel-related organic chemicals in soil, tundra soil, and groundwater at the former Tank 2 spill site.

Eleven samples were collected for the former spills assessment (8 site samples were located near the former Tank 2 spill site and 3 reference area samples were located in the prevailing upwind direction from the DMTS and separated from the DMTS by topography (i.e., the reference area was located in the next valley to the south of the DMTS). These tundra and inorganic soil samples were analyzed for the organic compounds listed in Table A-1.

Field Methods

Table A-3 provides a summary of the general characteristics of each station sampled at the site and at the reference area. Tundra soil and inorganic soil were sampled for chemical analysis according to the field methods described in the field sampling and analysis plan (Exponent 2003a). Samples at the former Tank 2 spill site were collected from three intervals. At each station, a shallow tundra soil sample was collected (e.g., 0–2 cm). The deeper tundra soil sample was composited over the remaining depth of the organic tundra soil interval. An inorganic soil sample was collected at depth, below the organic tundra soil layer (exact interval depths are provided in Table A-3). The Tank 2 spill site soil samples were collected by digging a small trench down to just above the target sampling depth and using a decontaminated stainless-steel spade or spoon to collect the soil sample.

The soil and tundra soil samples were placed into appropriately cleaned containers and held at 4°C during shipment and prior to testing. Field duplicates and replicates were collected at a frequency of 1 per 20 samples. The samples were sent to Columbia Analytical Services, Inc. (Kelso, Washington) for analysis.

Modifications to the Field Sampling and Analysis Plan

The following modifications were made to the Phase I sampling strategy for the former spills assessment described in the field sampling and analysis plan (Exponent 2003a):

- One groundwater sample was to be collected from each of the five monitoring wells that are located near Tank 2 at the port facility. However, the monitoring wells did not contain any water and therefore could not be sampled.
- The spills assessment transect was located in a wetland. The ground was completely saturated with water. The inorganic soil layer could not be reached at Station SA-1 because the hole continued to fill with water.

September 2003

Marine Assessment

Sediment and surface water samples were collected at the port site during the 2003 shipping season at the facility. Marine samples were collected prior to shipping activities (i.e., June) and during shipping activities (i.e., September) to help evaluate possible seasonal variability in exposures in the marine environment.

Twenty-nine stations were sampled for surface sediment during the September 2003 sampling event (Figure A-1): 26 site stations and 3 reference area stations. The site stations were located on a grid that had been sampled historically in the vicinity of the port site (RWJ 1997; Exponent 2003c,d). The reference area stations were located upwind and upcurrent of the port facility. All of the September 2003 stations were co-located with the stations sampled in the June 2003 sampling event. The full list of metals and conventional analytes (Table A-1) was analyzed at 8 of the 26 site stations and at the 3 reference area stations (Figure A-1). Lead, zinc, and cadmium analyses were conducted at all of the remaining site grid stations (Figure A-1).

Seven stations were sampled for surface water during the September 2003 sampling event (Figure A-1): four site stations and three reference area stations. Sediment and surface water samples were co-located at the same stations. Metals and conventional analytes (Table A-1) were analyzed in surface water collected at all of the site and reference area stations (Figure A-1).

Field Methods

Table A-2 provides a summary of the general characteristics of each station sampled at the site and at the reference area. Station locations were established on the basis of station location coordinates from historical sampling locations (RWJ 1997; Exponent 2003d) and the locations of the June 2003 sampling stations. Sediment and surface water were sampled for chemical analysis according to the field methods described in the field sampling and analysis plan (Exponent 2003a). All sampling equipment for sediment and surface water collection was constructed of either stainless steel or Teflon®, respectively, and was decontaminated prior to sampling according to the procedures described in the field sampling and analysis plan (Exponent 2003a). Undisturbed surface sediment was collected from the upper 0–2 cm interval using a grab sampler. Surface water was collected from approximately 1 m below the water surface using a depth integrated sampler. The samples were placed into appropriate, chemically cleaned containers and held at 4°C during shipment and prior to testing. Field duplicates and replicates were collected at a frequency of 1 per 20 samples. The samples were sent to Columbia Analytical Services, Inc. (Kelso, Washington) for analysis.

Modifications to the Field Sampling and Analysis Plan

The following modifications were made to the Phase I sampling strategy for the September 2003 marine assessment described in the field sampling and analysis plan (Exponent 2003a):

- To match the sampling and analysis performed for the June 2003 sampling event, the following actions were taken:
  - Station NMS-ext was sampled rather than Station NMS.
  - The full list of metals and conventional analytes was analyzed at Stations NMN and NMU.
  - Lead, zinc, and cadmium analyses were performed at Station NMT.
- Three of the six reference area stations were sampled in September.

The quality and usability of the data generated from this field event were not affected by any of these modifications and substitutions.

References

Exponent. 2002. Fugitive dust data report, DeLong Mountain Regional Transportation System, Alaska. Draft. Prepared for Teck Cominco Alaska Incorporated, Anchorage, AK. Exponent, Bellevue, WA.

Exponent. 2003a. Phase I field sampling and analysis plan for the DMTS fugitive dust risk assessment. Prepared for Teck Cominco Alaska Incorporated, Anchorage, AK. Exponent, Bellevue, WA.

Exponent. 2003b. DMTS fugitive dust risk assessment work plan. Draft report. Prepared for Teck Cominco Alaska Incorporated, Anchorage, AK. Exponent, Bellevue, WA.

Exponent. 2003c. Port site characterization data report. Prepared for Teck Cominco Alaska Inc., Anchorage, AK. Exponent, Bellevue, WA.

Exponent. 2003d. Current and historical metals concentrations in marine sediment samples from the DMTS port site. Memorandum to Teck Cominco, April 2, 2003. Exponent, Bellevue, WA.

RWJ. 1997. Red Dog port site monitoring program. Prepared for Cominco Alaska, Inc., Anchorage, AK. RWJ Consulting, Chugiak, AK.

Figures

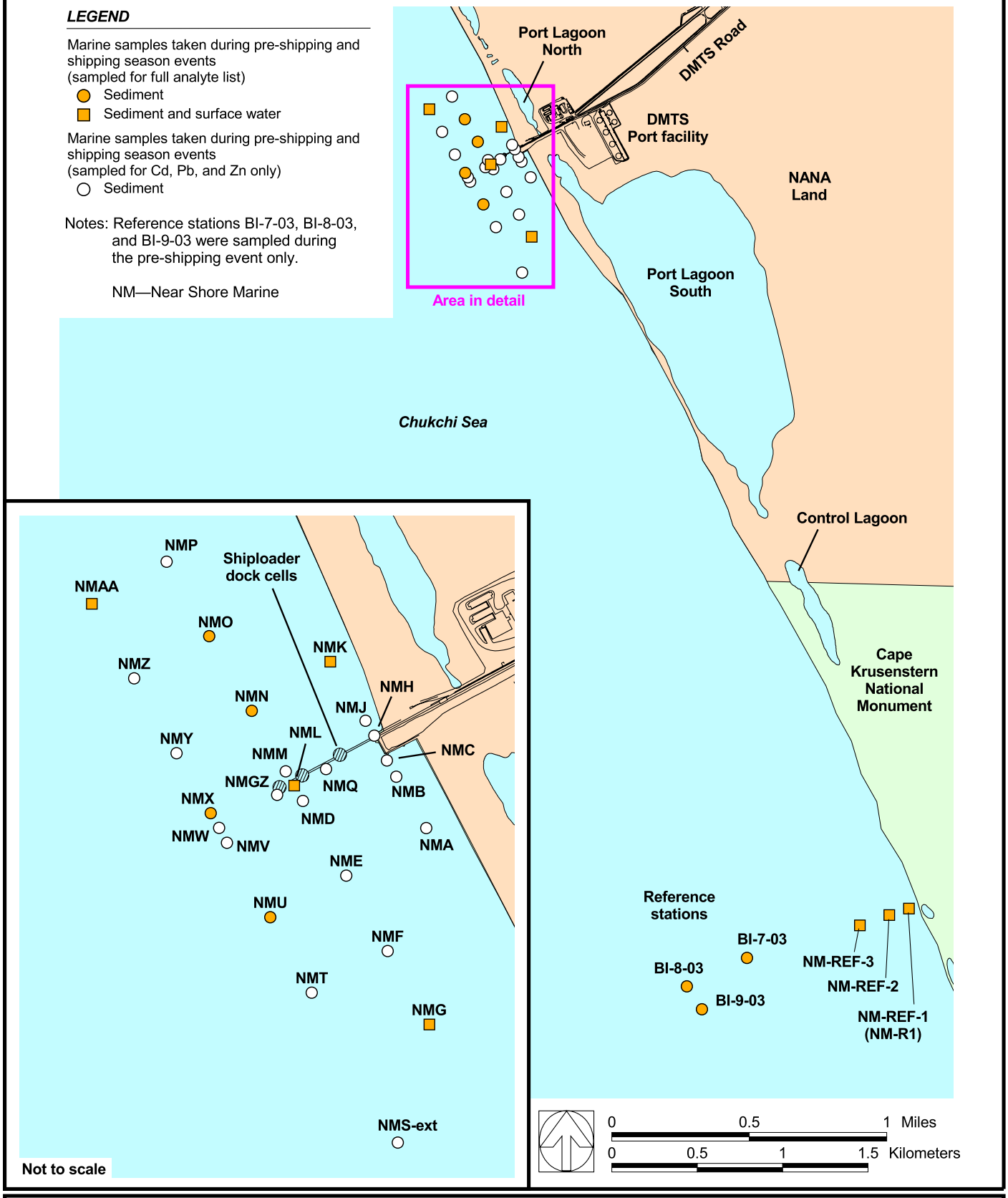

Figure A-1. Locations of marine sediment and surface water sample stations

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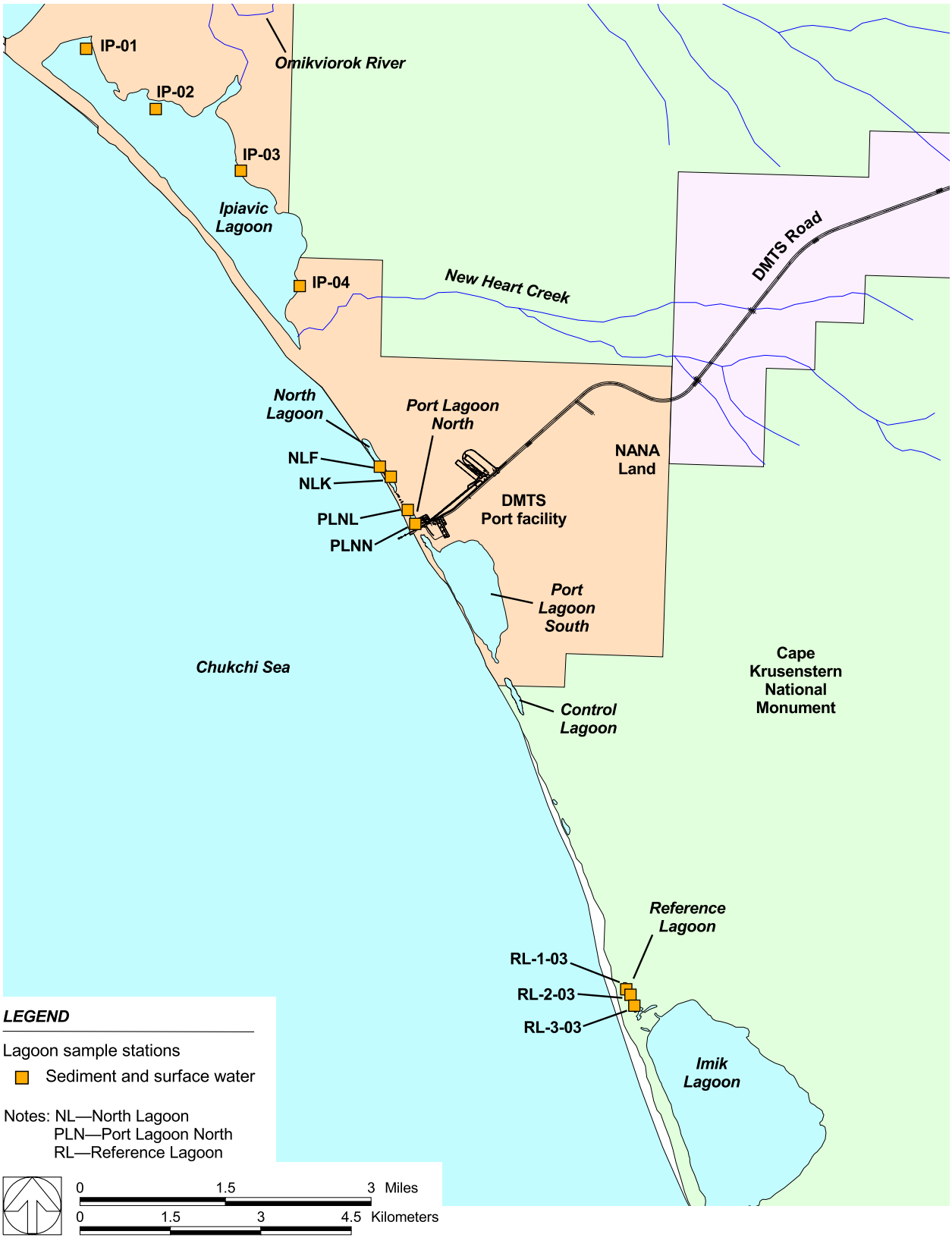

Figure A-2. Locations of lagoon sediment and surface water sample stations

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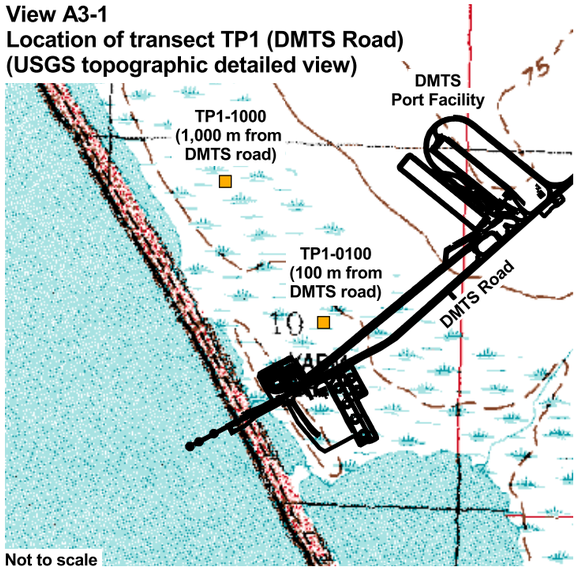
View A3-1
Location of transect TP1 (DMTS Road)
(USGS topographic detailed view)

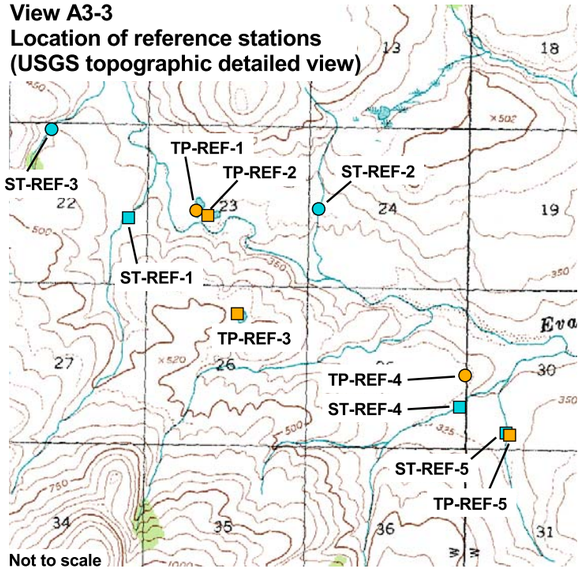


Not to scale

View A3-2
Location of transect TP2 (DMTS Road)
(USGS topographic detailed view)

Not to scale

View A3-3
Location of reference stations
(USGS topographic detailed view)



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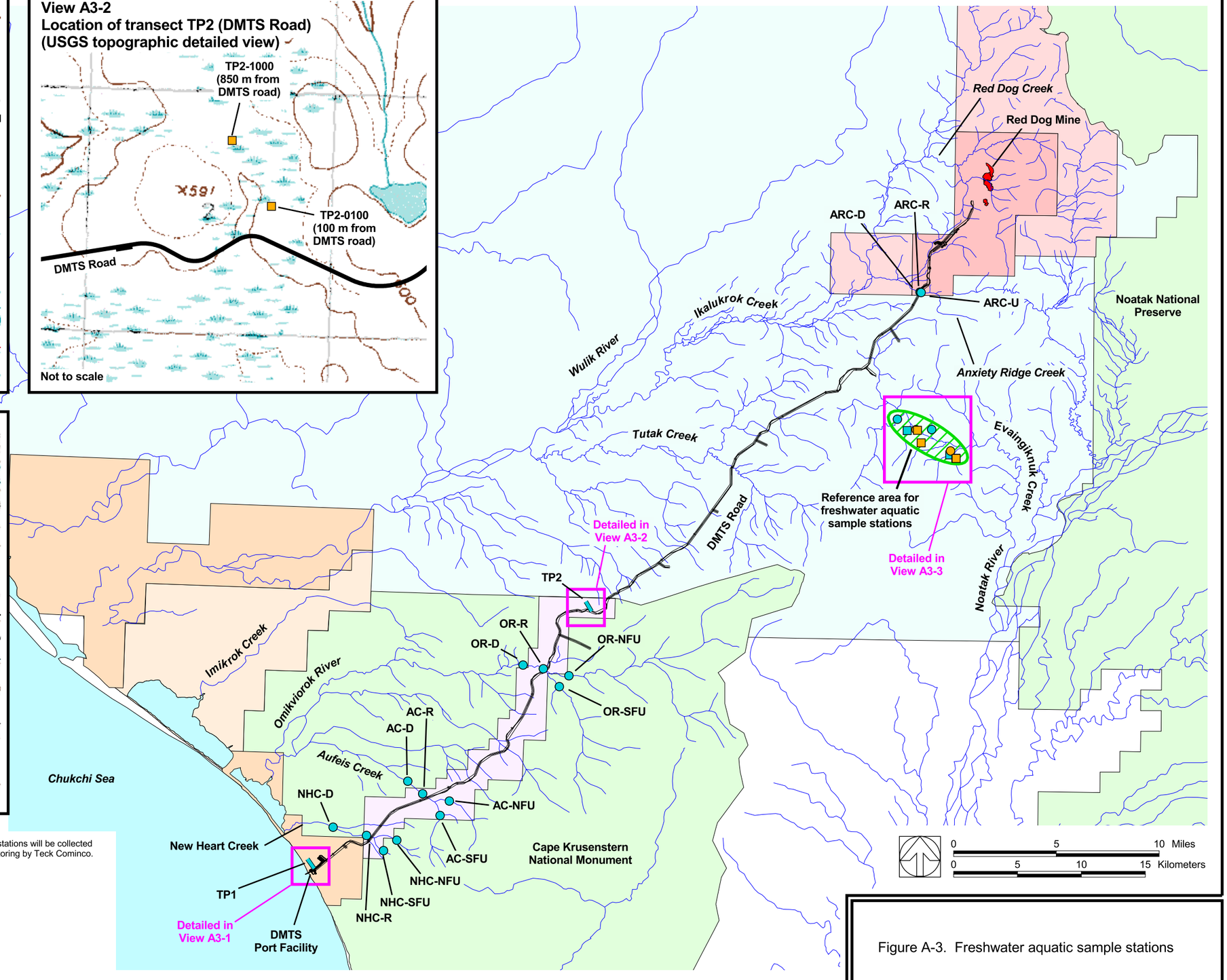

LEGEND

Sample types
- ○ Sediment
- □ Sediment and surface water

Station locations
- Tundra pond station
- Stream station*

Notes: * Surface water samples at stream stations will be collected separately as part of regular monitoring by Teck Cominco.

AC—Aufeis Creek
ARC—Anxiety Ridge Creek
D—Downstream
NF—North Fork
NHC—New Heart Creek
OR—Omikviorok River
R–Near road
SF—South Fork
ST—Stream
TP—Tundra Pond
U—Upstream

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Figure A-3. Freshwater aquatic sample stations

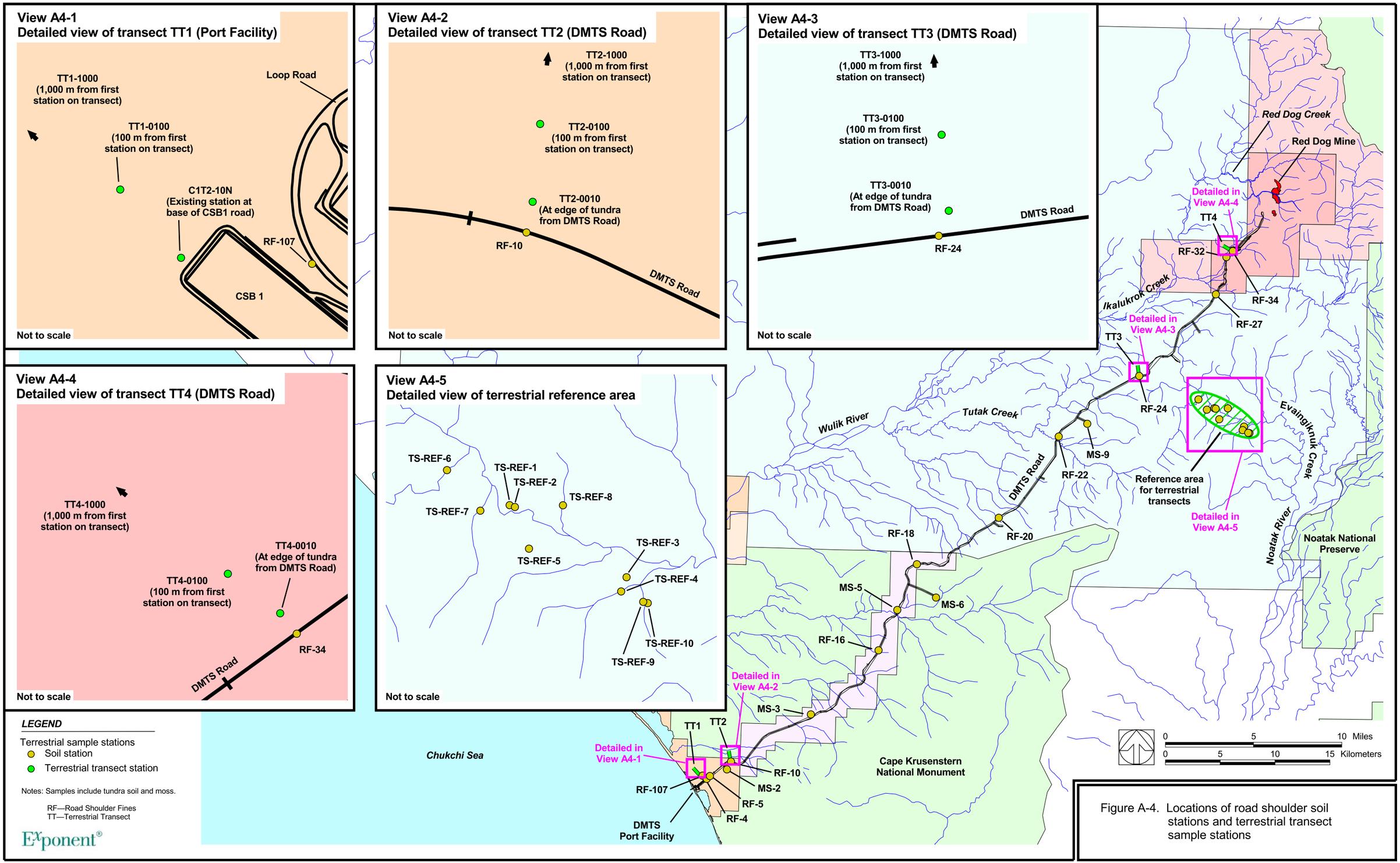

Figure A-4. Locations of road shoulder soil stations and terrestrial transect sample stations

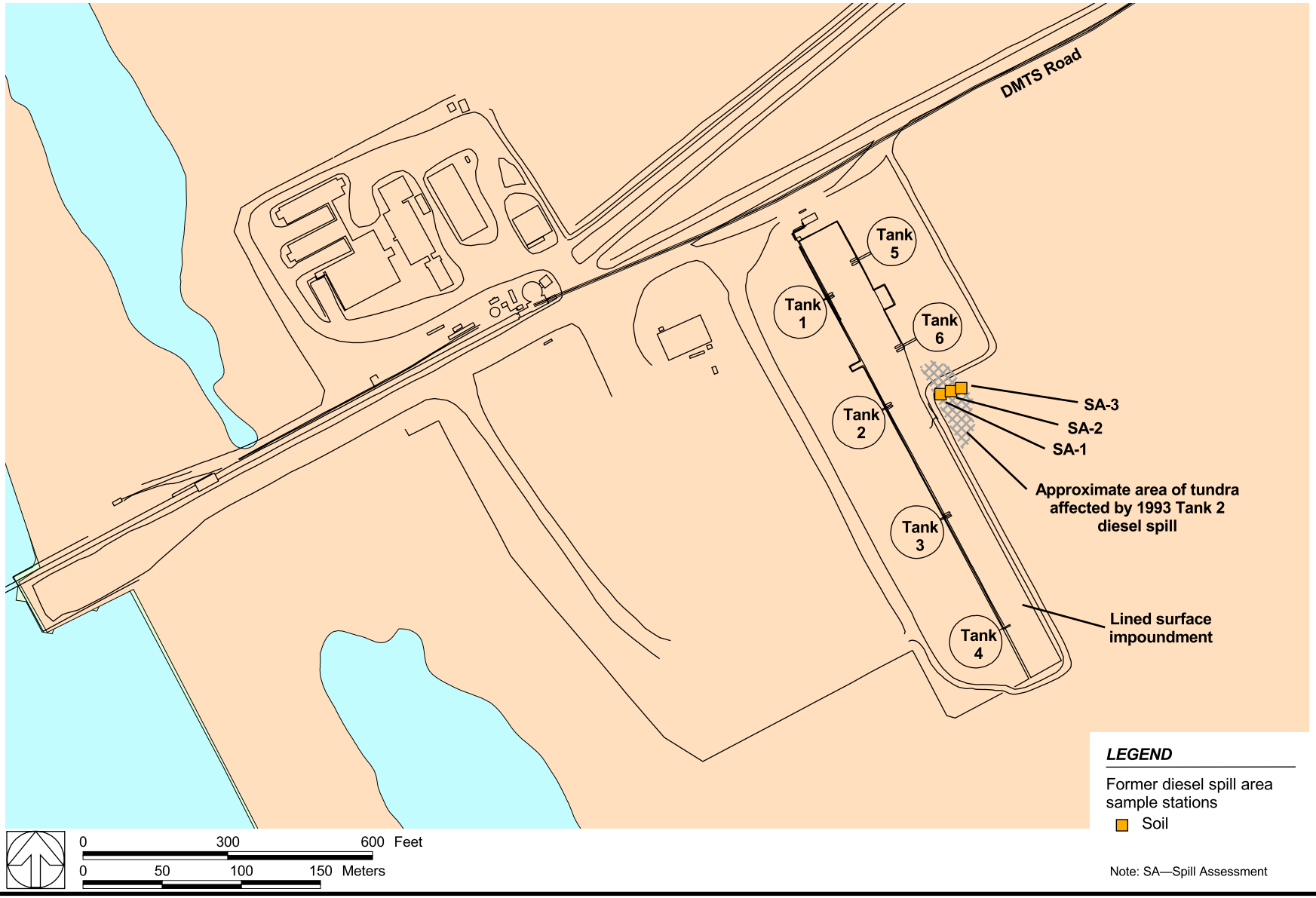

Figure A-5. Locations of soil sample stations at historical spill site

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Tables

Table A-1. Chemical analyses completed

Conventional Analytes	
	Total solids[a]
	Fluoride
Metals	
	Aluminum
	Antimony
	Arsenic
	Barium
	Cadmium
	Calcium[b]
	Chromium
	Cobalt
	Copper
	Iron
	Lead
	Magnesium[b]
	Manganese
	Mercury
	Molybdenum
	Nickel
	Selenium
	Silver
	Strontium
	Thallium
	Tin
	Vanadium
	Zinc
Organics[c]	
	Polycyclic aromatic hydrocarbons
	Benzene, toluene, ethylbenzene, and xylenes
	Diesel-range organics
	Residual-range organics

[a] For soil, tundra soil, and sediment samples only.

[b] For surface water samples only, to obtain hardness.

[c] Organic compounds were only analyzed in soil samples collected near storage Tank 2 at the port facility and at the terrestrial reference area.

Table A-2. Station locations, water depths, and general sample characteristics for sediments sampled at the Red Dog port facility and reference area in 2003 for the marine assessment

Event/Station	Location[a] Easting	Location[a] Northing	Water Depth (m)	Sample Interval (cm)	Sediment Characteristics
June 2003					
Port Facility					
NMA	412537.285277	4966950.651287	4.6	0–2	Coarse grained sand, normal odor; brown (7.5Y 4/2)
NMAA	410500.455667	4968124.242694	6.1	0–2	Well sorted, fine grained sand; worm casings on surface; normal odor; few shell fragments; dark gray brown (2.5 Y4/2)
NMB	412369.654981	4967249.118603	5.5	0–2	Small poorly sorted gravel with coarse sand and some silt; strong organic decomposing odor; very dark gray (2.5Y 3/1)
NMC	412311.556529	4967393.837510	5.5	0–2	Sandy silt with fine sand; normal odor; very dark gray (2.5Y 3/1) with very thin layer (<0.1 mm); dark gray brown on surface (2.5Y 4/2)
NMD	411805.168632	4967048.223807	6.1	0–2	Very coarse, mostly multicolored gravel and small to large rocks; <7% fine sand; little sand is grayish brown (2.5Y 5/2)
NME	411938.409256	4966641.052593	6.4	0–2	Medium and fine grained sand; normal odor; brown (7.5 YR 4/3)
NMF	411974.985063	4966101.634617	5.2	0–2	Fine grained sand with little silt; normal odor; few shell fragments; very dark gray brown (10YR 3/2)
NMG	412422.629780	4965771.885531	5.5	0–2	Silty sand; normal odor; 1 shell fragment; dark olive brown (2.5Y 3/3)
NMGZ	411638.576358	4967167.271172	--[b]	0–2	Very coarse, mostly multicolored gravel and small rocks; <5% fine sand; little sand is grayish brown (2.5Y 5/2)
NMH	412263.654676	4967424.719833	4.9	0–2	Very coarse, multicolored gravel and small to large rocks
NMJ	412168.951582	4967603.608018	1.8	0–2	Very coarse, mostly gravel and small rocks; no visible fines; station is close to beach, which is made up of similar material
NMK	411952.540654	4967947.641918	3.7	0–2	Well sorted, fine to medium grained sand; normal odor; dark gray brown (2.5Y 4/2)
NML	411767.115373	4967206.924116	--[b]	0–2	Very coarse, mostly multicolored gravel and large rocks; <5% fine sand; little sand is grayish brown (2.5Y 5/2)
NMM	411690.385617	4967337.623160	--[b]	0–2	Very coarse, mostly multicolored gravel and small rocks; coarser grained sand, which is dark gray (5Y 4/1)
NMN	411450.369427	4967686.117732	5.5	0–2	Well sorted, fine grained sand; normal odor; few shell fragments; very dark gray brown (2.5Y 3/2)

Table A-2. (cont.)

Event/Station	Location[a] Easting	Location[a] Northing	Water Depth (m)	Sample Interval (cm)	Sediment Characteristics
NMO	411219.917833	4968111.186716	5.5	0–2	Well sorted, fine grained sand; normal odor; few shell fragments; very dark gray brown (2.5Y 3/2)
NMP	410968.302261	4968529.647210	4.9	0–2	Coarse sand and gravel; normal odor; very dark gray (10YR 3/1)
NMQ	411926.804451	4967300.460472	5.2	0–2	Very coarse, mostly multicolored gravel and small to medium rocks; <2% sand; little sand is grayish brown (2.5Y 5/2)
NMS-ext	412365.961738	4965118.409732	7.9	0–2	Sand with very little silt; normal odor; dark gray brown (10 YR 4/2)
NMT	411840.171456	4965999.945969	7.6	0–2	Very coarse, multicolored gravel and small rocks
NMU	411617.364360	4966446.714453	7.6	0–2	Medium to fine grained sand with little silt; normal odor; little shrimp; small worm (Neris?); dark gray brown (2.5 Y 4/2)
NMV	411368.590927	4966868.726891	7.3	0–2	Well sorted, fine to medium grained sand; normal odor; dark gray brown (2.5Y 4/2)
NMW	411292.094711	4966922.535692	7.0	0–2	Well sorted, fine to medium grained sand; normal odor; dark gray brown (2.5Y 4/2)
NMX	411229.211833	4967049.115835	7.0	0–2	Well sorted, fine to medium grained sand; normal odor; small rock on surface; dark gray brown (2.5Y 4/2)
NMY	411013.851890	4967382.155184	7.0	0–2	Well sorted, fine to medium grained sand; normal odor; dark gray brown (2.5Y 4/2)
NMZ	410815.353958	4967842.780880	6.1	0–2	Well sorted, fine grained sand; normal odor; shell fragments; small clam shell; very dark gray brown (10 YR 3/2)
Reference Area					
BI-7-03	416688.241302	4951955.467671	9.8	0–2	Silty sand; well sorted fine to medium grained sand; normal odor; brown (10 YR 4/3)
BI-8-03	415532.385774	4951411.535658	11.9	0–2	Silty sand; well sorted fine to medium grained sand; normal odor; brown (10 YR 4/3)
BI-9-03	415821.349656	4950969.590898	11.9	0–2	Silty sand; well sorted fine to medium grained sand; normal odor; small shrimp on surface; brown (10 YR 4/3)
NM-REF-1	419797.038022	4952902.508253	2.4	0–2	Well sorted multicolored gravel with some very coarse grained sand; normal odor; little sand is dark gray (5Y 4/1)
NM-REF-2	419421.030677	4952777.172471	4.0	0–2	Silty sand, well sorted fine to medium grained; normal odor; olive gray (5Y 4/2)
NM-REF-3	418857.019658	4952582.205699	5.5	0–2	Silty sand, well sorted fine to medium grained; normal odor; few shell fragments; one piece of gravel; olive gray (5Y 4/2)

Table A-2. (cont.)

Event/Station	Location[a] Easting	Location[a] Northing	Water Depth (m)	Sample Interval (cm)	Sediment Characteristics
September 2003					
Port Facility					
NMA	412537.285277	4966950.651287	3.7	0–2	Coarse grained sand mixed with gravel; normal odor; very dark gray (2.5Y 3/1)
NMAA	410500.455667	4968124.242694	6.4	0–2	Well sorted, fine grained sand; small sand dollar on surface; normal odor; shell fragments; dark gray brown (2.5 Y4/2)
NMB	412369.654981	4967249.118603	4.0	0–2	Small poorly sorted gravel with some sand and a few large stones; normal odor; dark gray brown (10YR 4/2)
NMC	412311.556529	4967393.837510	6.1	0–2	Very coarse, mostly multicolored gravel; very little sand, which is dark gray (YR 4/1); normal odor; amphipod on surface
NMD	411805.168632	4967048.223807	7.6	0–2	Very coarse, mostly multicolored gravel; some fine sand, which is dark gray (5YR 4/1)
NME	411938.409256	4966641.052593	7.6	0–2	Small, well-sorted multicolored gravel with little sand; normal odor
NMF	411974.985063	4966101.634617	5.2	0–2	Fine grained sand with little silt; normal odor; small amphipod on surface; shell fragments; very dark gray brown (10YR 3/2)
NMG	412422.629780	4965771.885531	6.1	0–2	Silty sand; normal odor; clam spat on surface; dark olive brown (2.5Y 3/3)
NMGZ	411638.576358	4967167.271172	6.7	0–2	Very coarse, mostly multicolored gravel; some medium to coarse grained sand, which is dark gray (YR 4/1); normal odor
NMH	412263.654676	4967424.719833	2.4	0–2	Very coarse, multicolored gravel and small to large rocks; normal odor
NMJ	412168.951582	4967603.608018	3.4	0–2	Very coarse, mostly gravel and small rocks; no visible fines; station is close to beach, which is made up of similar material; normal odor
NMK	411952.540654	4967947.641918	3.7	0–2	Well sorted, fine to medium grained sand; normal odor; dark gray brown (2.5Y 4/2)
NML	411767.115373	4967206.924116	4.6	0–2	Very coarse, mostly multicolored gravel and rocks; some fine sand which is dark gray (5YR 4/1); normal odor; small mussel
NMM	411690.385617	4967337.623160	5.5	0–2	Very coarse, mostly multicolored gravel and small rocks; normal odor; coarser grained sand, which is dark gray (5Y 4/1) in one corner of grab sampler
NMN	411450.369427	4967686.117732	6.4	0–2	Well sorted, fine grained sand with a few small rocks on surface; normal odor; few shell fragments; very dark gray brown (2.5Y 3/2)
NMO	411219.917833	4968111.186716	4.9	0–2	Well sorted, fine grained sand; normal odor; very dark gray brown (2.5Y 3/2)
NMP	410968.302261	4968529.647210	5.5	0–2	Fine to medium grained sand with little gravel; normal odor; small fish; shell fragments; very dark gray (10YR 3/1)

Table A-2. (cont.)

Event/Station	Location[a] Easting	Location[a] Northing	Water Depth (m)	Sample Interval (cm)	Sediment Characteristics
NMQ	411926.804451	4967300.460472	5.2	0–2	Very coarse, mostly multicolored gravel and small to medium rocks; <2% sand; normal odor; little sand is grayish brown (2.5Y 5/2)
NMS-ext	412365.961738	4965118.409732	7.3	0–2	Sand with very little silt; normal odor; shell fragments; dark gray brown (10 YR 4/2)
NMT	411840.171456	4965999.945969	7.6	0–2	Angular to subrounded multicolored gravel and small rocks; normal odor
NMU	411617.364360	4966446.714453	7.6	0–2	Medium to fine grained sand with little silt; normal odor; shell fragments; dark gray brown (2.5 Y 4/2)
NMV	411368.590927	4966868.726891	6.7	0–2	Well sorted, fine to medium grained sand; normal odor; live sand dollar in grab; lots of shell fragments; dark gray brown (2.5Y 4/2)
NMW	411292.094711	4966922.535692	7.6	0–2	Well sorted, fine to medium grained sand with little coarse sand; normal odor; dark gray brown (2.5Y 4/2)
NMX	411229.211833	4967049.115835	6.7	0–2	Well sorted, fine to medium grained sand; normal odor; dark gray brown (2.5Y 4/2)
NMY	411013.851890	4967382.155184	7.6	0–2	Silty sand; normal odor; shell on surface; dark olive brown (2.5Y 4/3)
NMZ	410815.353958	4967842.780880	5.2	0–2	Well sorted, fine grained sand with some small rocks; normal odor; few shell fragments; very dark gray brown (10YR 3/2)
Reference Area					
NM-REF-1	419797.038022	4952902.508253	4.3	0–2	Silty sand, well sorted fine to medium grained; normal odor; dark olive brown (2.5Y 3/3)
NM-REF-2	419421.030677	4952777.172471	4.3	0–2	Silty sand, well sorted fine to medium grained; normal odor; few shell fragments; olive gray (5Y 4/2)
NM-REF-3	418857.019658	4952582.205699	5.2	0–2	Silty sand, well sorted fine to medium grained; normal odor; few shell fragments; olive gray (5Y 4/2)

[a] State plane coordinates (NAD 27, Alaska Zone 7).

[b] These samples were collected by a diver; no water depth information is available.

Table A-3. Station locations and general sample characteristics for soil and sediment sampled at or adjacent to the DMTS road and reference areas in 2003 for the lagoon, freshwater aquatic, terrestrial, and former spills assessments

Assessment	Station	Location[a] Easting	Location[a] Northing	Media	Sample Interval (cm)	Soil/Sediment Characteristics
Lagoon Assessment						
Site Stations						
	IP-01	394650.667464	4993809.968055	Sediment	0–2	Silt; strong sulfide odor; decaying organic material; roots; black (10YR 2/1) with very thin yellow brown layer on surface (10YR 5/4)
	IP-02	398433.742434	4990525.751602	Sediment	0–2	Silt with a little well-sorted, fine grained sand; faint sulfide odor; thin layer olive brown on surface; gray (2.5Y 4/1)
	IP-03	403065.970974	4987177.811002	Sediment	0–2	Silt; faint sulfide odor; decaying organic material; very dark gray (7.5YR 3/1) with thin layer of strong brown (7.5YR 5/8) on surface
	IP-04	406270.699373	4980902.797658	Sediment	0–2	Coarse grained sand; no silt; no odor; no organic debris; strong brown (7.5YR 5/8) and dark yellow brown (10YR 4/4) with white (10YR 8/1)
	NLF	410628.168510	4971080.805884	Sediment	0–2	Very coarse grained sand; poorly sorted with gravel; no odor; dominant color dark gray (5YR 4/1) with brown yellow (10YR 6/6), light olive brown (2.5Y 5/4) and white (5Y 8/1); multicolored
	NLK	411215.928929	4970526.866825	Sediment	0–2	Sandy silt; lots of organic material and vegetation; decaying odor; grayish brown (5Y 5/2)
	PLNL	412144.422289	4968718.326921	Sediment	0–2	Coarse grained, poorly sorted sand with some gravel; no odor; red water bug; a little vegetative material on surface with thin layer of very dark brown silt (10YR 2/2)
	PLNN	412549.912872	4967960.810329	Sediment	0–2	Vegetative mat on surface; decaying organic material; no odor; very dark brown (10YR 2/2)
Reference Area Stations						
	RL-1-03	424027.750705	4942649.232011	Sediment	0–2	Silt; submerged aquatic vegetation on surface; faint reducing odor; surface layer brown (7.5YR 4/3) with dark gray (7/5YR 4/1) beneath
	RL-2-03	424256.731217	4942353.288393	Sediment	0–2	Silt; submerged aquatic vegetation on surface; faint reducing odor; surface layer brown (7.5YR 4/3) with dark gray (7/5YR 4/1) beneath
	RL-3-03	424469.903743	4941749.488148	Sediment	0–2	Silt; submerged aquatic vegetation on surface; faint reducing odor; surface layer brown (7.5YR 4/3) with dark gray (7/5YR 4/1) beneath

Table A-3. (cont.)

Assessment	Station	Location[a] Easting	Location[a] Northing	Media	Sample Interval (cm)	Soil/Sediment Characteristics
Freshwater Aquatic Assessment						
Streams						
Site Stations						
	AC-D	437836.366260	4991010.366227	Sediment	0–2	Medium to coarse grained sand; no odor; very dark gray (5YR 3/1) and dark red gray (5YR 4/2)
	AC-NFU	448519.879503	4985929.771384	Sediment	0–2	Coarse sand with mixed size gravel; no odor; multiple colors, but predominate color is dark gray (5YR 4/1) with gray (5YR 5/1) and reddish brown (5YR 4/4)
	AC-R	441663.824743	4987766.482789	Sediment	0–2	Sandy silt; no odor; thin layer of light yellow brown on surface (10YR 6/4) with dark gray (10YR 4/1) beneath
	AC-SFU	446137.383980	4982201.827714	Sediment	0–2	Gravel and coarse grained sand with little silt; no odor; brown (7.5YR 4/3) with black gravel (7.5YR 2.5/1) and strong brown (7.5YR 5/8)
	ARC-D	569340.690841	5116547.722785	Sediment	0–2	Very coarse grained sand with some large stones and gravel; no odor; no organic debris; dominant color dark olive brown (2.5Y 3/3)
	ARC-R	569470.164956	5116539.873500	Sediment	0–2	Coarse sand with small multicolored gravel; no organic debris
	ARC-U	569633.175335	5116462.710931	Sediment	0–2	Medium grained sand with a little silt; no odor; no organic debris; dominant color dark olive brown (2.5Y 3/3)
	OR-D	467440.663335	5020819.272249	Sediment	0–2	Soft, silty sediment; no odor; no organic debris; caddis fly larvae and small graying (less than 1 inch) near station; thin layer of light brown (7.5YR 6/4) on surface with dark gray (7.5YR 4/1) underneath
	OR-NFU	479233.984625	5018068.861855	Sediment	0–2	Sand with little silt; no odor; no organic debris; olive gray (5Y 5/2 and 5Y 4/2)
	OR-R	472637.057729	5019872.880850	Sediment	0–2	Brown silt with some sand (10YR 5/3); lots of vegetative material (mostly roots); few pieces of gravel; no odor
	OR-SFU	476767.900273	5015277.731305	Sediment	0–2	Very coarse sand and gravel; multicolored; very similar to Station ARC-R; very thin layer of silt (less than 1 mm) on surface; dark brown (7.5YR 3/2) with specks of very dark gray (7.5YR 3/1) and strong brown (7.5 YR 5/6)
	NHC-D	418669.399187	4979204.324455	Sediment	0–2	Coarse grained sand; no silt; no odor; no organic debris; black (7.5YR 2.5/1)
	NHC-NFU	435036.444999	4975874.603978	Sediment	0–2	Silt; little organic debris on surface; normal odor; light brown (7.5YR 6/3) on surface with gray (7.5YR 5/1) underneath

Table A-3. (cont.)

Assessment	Station	Location[a] Easting	Location[a] Northing	Media	Sample Interval (cm)	Soil/Sediment Characteristics
	NHC-R	427269.586912	4977090.652991	Sediment	0–2	Sandy silt; no odor; light yellow brown on surface (10YR 6/4) with dark gray (10YR 4/1) underneath
	NHC-SFU	431620.972198	4973207.253941	Sediment	0–2	Lots of decaying vegetative matter; faint reducing odor; brown (7.5YR 3/3)
Reference Area Stations						
	ST-REF-1	566092.771925	5081005.971903	Sediment	0–2	Sandy silt; normal odor; olive brown (2.5Y 3/3)
	ST-REF-2	572361.671610	5081292.217442	Sediment	0–2	Coarse grained sand; no odor; flocculent rust-colored algae on sediment surface (10YR 5/8); sand yellow brow (10YR 5/4)
	ST-REF-3	563549.635261	5083924.300324	Sediment	0–2	Medium to coarse grained sand; no organic debris; no odor; dark yellow brown (10YR 4/4)
	ST-REF-4	577012.742182	5074753.437677	Sediment	0–2	Sandy silt; no odor; dark yellow brown (10YR 4/4)
	ST-REF-5	578546.855373	5073897.102112	Sediment	0–2	Silt; some decaying vegetative material; reducing odor; dark gray brown (2.5Y 4/2)
Tundra Ponds						
Site Stations						
	TP1-0100	413635.086402	4969002.829212	Sediment	0–2	Dense vegetative mat on surface; strong sulfide odor; sheen on overlying water; decaying organic material; very dark brown (10YR 2/2)
	TP1-1000	412193.990277	4971071.645385	Sediment	0–2	Silt; submerged aquatic vegetation; slight reducing odor; brown (7.5YR 4/3)
	TP2-0100	484443.075620	5035750.949735	Sediment	0–2	Silt; very dense vegetative mat; faint reducing odor; very dark brown (10YR 2/2) with yellow (10YR 7/6)
	TP2-1000	483594.879264	5037172.347615	Sediment	0–2	Silt; dense vegetative mat; reducing odor; dark brown (7.5YR 3/3)
Reference Area Stations						
	TP-REF-1	568318.264500	5081243.996808	Sediment	0–2	Silt; moist; lots of aquatic vegetation; normal odor; brown (10YR 4/3)
	TP-REF-2	568706.827860	5081078.958355	Sediment	0–2	Sandy silt; no odor; yellow brown (10YR 4/4)
	TP-REF-3	569681.800275	5077834.772675	Sediment	0–2	Silt with some large stones; clay layer beneath silt; no odor; dark gray (5YR 4/1)
	TP-REF-4	577192.871476	5075801.065263	Sediment	0–2	Silt; lots of organic debris; reducing odor; dark brown (10YR 4/4)
	TP-REF-5	578669.447016	5073828.645965	Sediment	0–2	Silt; some decaying vegetative material; reducing odor; dark gray brown (2.5Y 4/2)

Table A-3. (cont.)

Assessment	Station	Location[a] Easting	Location[a] Northing	Media	Sample Interval (cm)	Soil/Sediment Characteristics
Terrestrial Assessment						
Terrestrial Transects						
Site Stations						
	TT1-0010	414745.247234	4971356.219831	Tundra Soil	0–2	Dark gray dead vegetation; tan inorganic clay
	TT1-0100	414532.761305	4971595.020390	Tundra Soil	0–2	Decayed vegetative material; peaty; normal odor; brown (7.5YR 4/3)
	TT1-1000	412535.641991	4973723.390764	Tundra Soil	0–2	Silt; lots of submerged aquatic vegetation in grab; slight reducing odor; brown (7.5YR 4/3)
	TT2-0010	423750.354748	4975649.145019	Tundra Soil	0–2	Decayed vegetative material; peaty; visible dust; normal odor; brown (7.5YR 4/3)
	TT2-0100	423776.283694	4975921.284813	Tundra Soil	0–2	Decayed vegetative material; peaty; one small clear worm; normal odor; brown (7.5YR 4/3)
	TT2-1000	423129.478935	4978828.950355	Tundra Soil	0–2	Decayed vegetative material; peaty; normal odor; brown (7.5YR 4/3)
	TT3-0010	545908.706417	5090989.127490	Tundra Soil	0–2	Some sand; decayed vegetative material; visible dust; normal odor; brown (7.5YR 4/3)
	TT3-0100	545883.996638	5091254.648342	Tundra Soil	0–2	Decayed vegetative material; peaty; normal odor; brown (7.5YR 4/3)
	TT3-1000	545492.923249	5094233.984965	Tundra Soil	0–2	Peaty soil; mottled colors throughout, mixture of very dark brown (10YR 3/3) and dark yellow brown (10YR 4/4)
	TT4-0010	573788.806177	5128333.095460	Tundra Soil	0–2	Dry; dark brown vegetative mat over black gravel and sand (same material as berm beside road)
	TT4-0100	573605.604617	5128471.304772	Tundra Soil	0–2	Wet; very small, clear worm; very dark brown (10YR 2/2)
	TT4-1000	570939.570260	5129283.146564	Tundra Soil	0–2	Peaty soil with clay at 2 cm; angular rock fragments at 2.5 to 3 cm; very dark brown (10YR 2/2)
Reference Area Stations						
	TS-REF-1	568336.863994	5081251.577351	Tundra Soil	0–2	Decaying vegetative debris; normal odor; brown (10YR 4/3)
	TS-REF-2	568734.784912	5081117.794210	Tundra Soil	0–2	Decaying vegetative debris; normal odor; brown (7.5YR 4/4)
	TS-REF-3	577217.737885	5075781.055970	Tundra Soil	0–2	Moist; decaying vegetations; normal odor; dark brown (10YR 3/3)
	TS-REF-4	576810.701263	5074699.449321	Tundra Soil	0–2	Root fibers and organic material; normal odor; dark brown (10YR 3/3)
	TS-REF-5	569812.278839	5077950.541783	Tundra Soil	0–2	Peaty soil; rounded to subrounded gravels; dark gray shales, wacky, and quartz; dark yellow brown (10YR 3/4)

Table A-3. (cont.)

Assessment	Station	Location[a] Easting	Location[a] Northing	Media	Sample Interval (cm)	Soil/Sediment Characteristics
	TS-REF-6	563584.312902	5083919.829149	Tundra Soil	0–2	Dry; root fibers; normal odor; rich dark brown (10YR 3/3)
	TS-REF-7	566108.615249	5080838.848236	Tundra Soil	0–2	Very little peat; dead vegetation; moist; brown (7.5 YR 5/4)
	TS-REF-8	572383.136469	5081244.761760	Tundra Soil	0–2	Dry to moist; normal odor; decaying vegetation; dark brown (10YR 5/4)
	TS-REF-9	578483.391223	5073909.789403	Tundra Soil	0–2	Peaty soil; dead vegetation; roots; moist; earthy odor; very dark brown (7.5YR 2.5/2)
	TS-REF10	578827.587581	5073814.541361	Tundra Soil	0–2	Organic vegetation; roots; earthy odor; moist; brown (7.5YR 5/4)
Road Shoulder Site Stations						
	RF-4	416484.145613	4970372.004342	Inorganic Soil	0–2	Clay sand gravel; angular to subrounded 1-inch minus gravel fragments; black, maroon, green shale; minor quartz; minor calcite; 40% coarse; typical Material Site 2 material; grayish brown (10YR 5/2)
	RF-5	417415.920314	4971219.313986	Inorganic Soil	0–2	Surface grayish brown (10YR 5/3) with brown (10YR 5/2); silt clays with 10% coarse angular quartzite, sandstones; some organic inclusions; all 1-inch minus gray chert
	RF-10	423728.184783	4975541.852351	Inorganic Soil	0–2	Gray gravel on surface 1-inch minus angular gray chert; moist clays and silts; yellow sandstone, red shales; reddish brown (5YR 5/4) under gray gravel; no odor
	RF-16	467887.373288	5008845.076753	Inorganic Soil	0–2	Silt clay 99% fines; wet; minor organic debris; gray (10YR 5/1) with overlying layer of brown (10YR 4/3)
	RF-18	479364.639027	5034586.484081	Inorganic Soil	0–2	Moderately compact, moist, clay sand gravel; 30% coarse; angular to subrounded 1-inch minus gravels, black shales, gray cherts with minor quartz; light red brown (5YR 6/4) with overlying very pale brown (10YR 7/3)
	RF-20	503845.789395	5048485.845838	Inorganic Soil	0–2	Sandy clay with some gravel pieces; gray chert, yellow sandstone; Material Site 9-type material; 10% coarse; mottled light gray (10YR 7/2)
	RF-22	521780.693325	5072800.457302	Inorganic Soil	0–2	Sandy silty clay; wet with angular gravel fragments, gray chert 10% coarse yellow and gray sandstone; Material Site 9-type material; very pale brown (10YR 7/3)
	RF-24	545873.881578	5090901.412582	Inorganic Soil	0–2	Wet clays and silts with 30% angular gravel; 1-in. minus gray chert; yellowish sandstone, black shale; no odor; light gray (10YR 7/2)
	RF-27	568783.634301	5115333.372678	Inorganic Soil	0–2	Wet; muddy silty gravels 1-inch minus angular gravels (40 percent coarse); shales, sandstones, cherts; dark grayish brown (10YR 6/2)

Table A-3. (cont.)

Assessment	Station	Location[a] Easting	Location[a] Northing	Media	Sample Interval (cm)	Soil/Sediment Characteristics
	RF-32	571939.594381	5126486.260219	Inorganic Soil	0–2	Sandy, silty clay (50/50); small pieces of gray chert and quartzite gravels with black, green, and maroon shale fragments 1-inch minus less than 2 to 3%; no odor; brown (10YR 5/3)
	RF-34	573846.553646	5128261.605676	Inorganic Soil	0–2	Some road gravel fragments; black angular shales, cherts, sandstones 1-inch minus; lots of vegetation
	RF-107	415203.285725	4971335.195196	Inorganic Soil	0–2	Wet, silty gravel; silt clay gravel fragments of black mud stone; cherts; sandstone; angular to subrounded with some quartz and calcite; appears to be a mixture of Material Site 9 and Material Site 2 material; 10-20% coarse
Reference Area Stations						
	MS-2	422519.9369	4973193.713	Inorganic Soil	0–2	Black shale with some fines; brown shale; calcite veining; some quartz veining; black marble; no odor; brown (7.5YR 5/4)
	MS-3	447621.1676	4989682.054	Inorganic Soil	0–2	Black angular shales; oxidizing shales; limestones with large crystal calcite and quartz veins; marchsite nodules to 2-inches; fossils; reddish gray (10YR 5/1); composite sample gray
	MS-5	473481.8223	5020894.2	Inorganic Soil	0–2	Gray to black shales with rust colored limestone with fossils; calcite veining; marchesite 1/2-inch nodules; dark brown (7.5YR 3/2)
	MS-6	485063.8932	5024613.296	Inorganic Soil	0–2	Dark maroon, pale yellowish green, and black shales; light gray quartzite; some quartz; yellowish-green shales with more shale oxidized to rust color; composite sample reddish brown (5YR 5/3); normal odor
	MS-9	530323.4545	5076626.296	Inorganic Soil	0–2	Gray chert; yellow sandstone; pale green sandstone; fossils; chrionoids; quartz; faint petroleum odor from freshly fractured sandstone; composite sample brown yellow (10YR 6/8)
Former Spills Assessment Site Stations						
	SA-1	414152.023457	4967874.810686	Tundra Soil	0–2	Lots of decaying vegetative debris; saturated; some rocks; normal odor; very dark brown (10YR 2/2)
				Tundra Soil	2–25	Decaying vegetative debris throughout interval; saturated; faint oil odor; black (10YR 2/1) to very dark brown (10YR 2/2)
				Inorganic Soil	--[b]	

Table A-3. (cont.)

Assessment	Station	Location[a] Easting	Location[a] Northing	Media	Sample Interval (cm)	Soil/Sediment Characteristics
	SA-2	414173.649196	4967881.229951	Tundra Soil	0–2	Lots of root material; decaying vegetative debris; root fibers; less moisture than Station SA-1; normal odor; very dark brown (10YR 2/2)
				Tundra Soil	2–18	Lots of root material; decaying vegetative debris; root fibers; less moisture than Station SA-1; normal odor; very dark brown (10YR 2/2)
				Inorganic Soil	18–20	Clay, inorganic layer just above frozen ground; few root fibers; normal odor; less moisture than Station SA-1; very dark gray brown (10YR 3/2)
	SA-3	414195.108465	4967887.482747	Tundra Soil	0–2	Larger root material than at Station SA-2; normal odor; dark red brown (5YR 2.5/2)
				Tundra Soil	2–28	Smaller root fibers; same moisture content as found at second interval at Station SA-2; normal odor; dark red brown (5YR 2.5/2)
				Inorganic Soil	28–30	Clay, inorganic material just above frozen ground; few root fibers; normal odor; dark red brown (5YR 2.5/2)
Reference Area Station						
	TS-REF-9	569812.278839	5077950.541783	Tundra Soil	0–2	Peaty soil; dead vegetation; roots; moist; earthy odor; very dark brown (7.5YR 2.5/2)
				Tundra Soil	2–28	Peaty soil; dead vegetation; roots; moist; earthy odor; very dark brown (7.5YR 2.5/2) and brown (7.5YR 5/4)
				Inorganic Soil	28–38	Clay, inorganic layer just above frozen ground; normal odor; very dark gray brown (10YR 3/2)

[a] State plane coordinates (NAD 27, Alaska Zone 7).

[b] Because the ground was completely saturated (i.e., transect is located through wetland), the inorganic soil layer was never reached (i.e., the hole filled with water at 25 cm).

Appendix B

Data Quality Review for Phase I Sampling Program for the DMTS Fugitive Dust Risk Assessment

Data Quality Review for Phase I Sampling Program for the DMTS Fugitive Dust Risk Assessment

Introduction

A quality assurance review was completed by Exponent for selected chemical analyses and physical characteristics in soil, sediment, tundra soil, surface water, stream surface water, and vegetation samples collected during the Phase I sampling program for the DeLong Mountain Regional Transportation System (DMTS) fugitive dust risk assessment. A summary of the analytical methods used by the laboratories is presented in Table B-1.

Table B-1. Analytical methods

Constituent	Method
Metals	EPA Method 6000 Series (U.S. EPA 1997) and EPA Method 200.8 Series (U.S. EPA 1994)
SVOCs as PAHs	EPA Method SW-846 8270C-SIM (U.S. EPA 1997)
BTEX	EPA Method SW-846 8021B (U.S. EPA 1997)
Diesel- and residual-range organics	Alaska Department of Environmental Conservation Methods AK 102 and AK 103 (DEC 2002).
Mercury	EPA SW-846 Methods 7470A and 7471A (U.S. EPA 1997)
Fluoride	EPA SW-846 Method 340.2M (U.S. EPA 1983)
Total solids	EPA Method 160.3 (modified) (U.S. EPA 1983)

Note: BTEX - benzene, toluene, ethylbenzene, and xylenes
EPA - U.S. Environmental Protection Agency
PAH - polycyclic aromatic hydrocarbon
SIM - selective ion monitoring
SVOC - semivolatile organic compound

Samples were collected from June through September 2003.

The quality assurance review was conducted to verify that the laboratories' quality assurance and quality control procedures were documented and that the quality of the data is sufficient to support the use of the data for their intended purposes. The quality assurance review included evaluating the applicable quality control results reported by the laboratories.

All analyses were performed by Columbia Analytical Services, Inc., in Kelso, Washington, and North Creek Analytical Services in both Portland, Oregon, and Spokane, Washington.

Completeness

Results reported by the laboratories were 100 percent complete.

Holding Times and Sample Preservation

Holding time constraints were typically met for all samples. The 24-hour holding time constraint was not met for the analyses of mercury in sample delivery groups (SDGs) P3K0625 and P3K0626. As a result, all results reported for mercury in these two SDGs were qualified as estimated (*J*).

Analytical Methods

Analytical methods were completed in accordance with the methods listed in Table B-1.

Instrument Performance

The performance of the analytical instruments, as documented by the laboratories, was acceptable. No changes in instrument performance that would have resulted in the degradation of data quality were indicated during any sequence of analyses.

Initial and Continuing Calibration

Initial and continuing calibrations, as documented by the laboratories, were completed for all applicable target analytes and met the laboratories' criteria for acceptable performance and frequency of analysis.

Initial and Continuing Calibration Blanks

The initial and continuing calibration blank analyses, as documented by the laboratories, met the laboratories' criteria for acceptable performance and frequency of analyses.

Laboratory Blank Analyses

No analytes were detected in the laboratory blanks with the following exceptions:

- Selected results for antimony in SDG K2304926 and SDG K2304928 were restated as undetected (*U*) due to preparation blank contamination
- One result for tin in SDG K2305497 was restated as undetected (*U*) due to preparation blank contamination
- Selected results for antimony, barium, manganese, tin, and zinc in SDG K2305744 were restated as undetected (*U*) due to preparation blank contamination

- Selected results for tin in SDG K2305251 were restated as undetected (*U*) due to preparation blank contamination
- Selected results for aluminum, copper, chromium, and tin in SDG K2305504 were restated as undetected (*U*) due to preparation blank contamination
- Selected results for the polycyclic aromatic hydrocarbons (PAHs) indeno[1,2,3-cd]pyrene, benzo[ghi]perylene, and dibenz[a,h]perylene in SDG K230521 were restated as undetected (*U*) due to method blank contamination
- One result for the PAH phenanthrene in SDG K2305504 was restated as undetected (*U*) due to method blank contamination
- Selected results for toluene in SDG K2305503 were restated as undetected (*U*) due to method blank contamination
- Selected results for molybdenum in SDG P3K0625 were restated as undetected (*U*) due to method blank contamination
- Selected results for manganese and thallium in SDG P3J0486 were restated as undetected (*U*) due to method blank contamination
- Selected results for thallium in SDG P3J0481 were restated as undetected (*U*) due to method blank contamination
- Selected results for aluminum and thallium in SDG P3J0481 were restated as undetected (*U*) due to method blank contamination.

Instrument-Specific Quality Control Procedures

The results of the instrument-specific quality control procedures for metals analyses (interference check sample, correlation coefficients, and inductively coupled plasma serial dilution) met applicable control limits for acceptable performance and frequency of analysis requirements, with the following exceptions:

- The percent difference of iron in SDG K2305744 was above the control limit of 10 percent for the serial dilution. Associated sample results were qualified as estimated (assigned a *J* qualifier).
- The percent difference of strontium in SDG K2304931 was above the control limit of 10 percent for the serial dilution. Associated sample results were qualified as estimated (assigned a *J* qualifier).
- Sample SW0029 for copper in SDG K2305495 was qualified as estimated (*J*) because the correlation coefficient for the method of standard addition was less than 0.995.

Accuracy

The accuracy of the analytical results is evaluated in the following sections in terms of analytical bias (applicable surrogate compound, internal standard, and matrix spike and laboratory control sample [LCS] recoveries) and precision (applicable matrix spike duplicate and duplicate sample analyses).

Surrogate Compound Recoveries

The recoveries reported by the laboratories for surrogate compounds for all applicable analyses, and the frequency of analysis, met the criteria for acceptable performance with the following exceptions:

- Detected results reported for PAHs in two samples from SDG K2305251 were qualified as estimated (*J*) because two of the four surrogate recoveries were above the upper control limit
- Results reported for benzene, toluene, ethylbenzene, and xylenes for one sample in SDG K2305251 were qualified as estimated (*J*), because the recovery of the associated surrogate compound was below the laboratory-established control limit.

Internal Standards Performance

The area counts (or recoveries) and retention times of internal standards, and the frequency of analysis, met the laboratories' criteria for acceptable performance.

Matrix Spike Recoveries

The recoveries reported by the laboratories for matrix spike analyses, and the frequency of analysis, met the laboratories' criteria for acceptable performance, with the following exceptions:

- The recovery of arsenic in SDG K2304926 was not within the applicable control limits. All associated arsenic results were qualified as estimated (assigned a *J* qualifier).
- The recovery of antimony in SDG K2307380 was not within the applicable control limits. All associated antimony results were qualified as estimated (assigned a *J* qualifier).
- The recovery of antimony in SDG K2305251 was not within the applicable control limits. All associated antimony results were qualified as estimated (assigned a *J* qualifier).

- The recoveries of antimony and lead in SDG K2304928 were not within the applicable control limits. All associated antimony and lead results were qualified as estimated (assigned a *J* qualifier).
- The recovery of antimony in SDG K2305504 was not within the applicable control limits. All associated antimony results were qualified as estimated (assigned a *J* qualifier).
- The recoveries of antimony, barium, and cadmium in SDG K2305503 were not within the applicable control limits. All associated antimony, barium, and cadmium results were qualified as estimated (assigned a *J* qualifier).
- The recovery of total chloride in SDGs P3J0486, P3J0481, and P3J0350 was not within the applicable control limits. All associated total chloride results were qualified as estimated (assigned a *J* qualifier).

Laboratory Control Sample Recoveries

The recoveries reported by the laboratories for all LCS recoveries, and the frequency of analysis, met the laboratories' criteria for acceptable performance with the following exception:

- The recoveries for naphthalene, 2-methylnapthalene, indeno(1,2,3-cd)pyrene, and dibenz(a,h)anthracene in SDG K2305503 were not within the laboratory-established control limits. All associated results for naphthalene, 2-methylnapthalene, indeno(1,2,3-cd)pyrene, and dibenz(a,h)anthracene were qualified as estimated (*J*) during the quality assurance review.

Precision

Results for all duplicate sample analyses, and the frequency of analysis, met the laboratories' criteria for acceptable performance, with the following exceptions:

- The duplicate relative percent difference (RPD) for strontium in SDG K2304926 exceeded the control limit. All associated strontium results were qualified as estimated (assigned a *J* qualifier).
- The duplicate RPD for cadmium and lead in SDG K2305251 exceeded the control limit. All associated cadmium and lead results were qualified as estimated (assigned a *J* qualifier).
- The duplicate RPD for barium in SDG K2305497 exceeded the control limit. All associated barium results were qualified as estimated (assigned a *J* qualifier).

- The duplicate RPD for chromium, lead, and vanadium in SDG K2307380 exceeded the control limit. All associated chromium, lead, and vanadium results were qualified as estimated (assigned a *J* qualifier).
- The duplicate RPD for barium, cadmium, manganese, and nickel in SDG K2305504 exceeded the control limit. All associated barium, cadmium, manganese, and nickel results were qualified as estimated (assigned a *J* qualifier).
- The duplicate RPD for antimony, copper, lead, molybdenum, selenium, aluminum, cobalt, mercury, iron, thallium, and vanadium in SDG K2305503 exceeded the control limit. All associated results were qualified as estimated (assigned a *J* qualifier).

Quantitative Assessment

The laboratories' reported results as detected at a concentration above the method detection limit, but less than the method reporting limit. These results were assigned a *J* flag (for conventional and organic compounds) or a *B* flag (for metals) by the laboratories. During data validation, all of these laboratory-flagged results were qualified as estimated (*J*).

Qualitative Assessment

Results reported as detected for diesel- and residual-range organics were flagged by the laboratories to indicate that the constituent used for quantification did not adequately match the elution range of the standard for the specific petroleum product, and/or the sample appeared to be weathered. During data validation, all results reported as detected for these compounds were qualified as estimated (*J*).

Field Quality Control Samples

Field quality control samples consisted of trip blanks, field duplicate samples, filter blank samples, and equipment rinsate blanks.

The precision of all target analytes detected in the field duplicates was acceptable.

Certain analytes were reported as detected in the filter and equipment rinsate blanks. No action was required because the concentrations of the analytes detected in the natural samples were above the concentrations detected in the blanks.

Toluene was detected in two trip blanks. As a result, one associated equipment blank (EB011) was restated as undetected (*U*) and all other associated results were either non-detected for toluene or greater than the prescribed action limit for the data validation.

References

DEC. 2002. Underground storage tanks procedures manual. Guidance for treatment of petroleum-contaminated soil and water and standard sampling procedures. November 7, 2002. State of Alaska, Department of Environmental Conservation, Division of Spill Prevention and Response, Contaminated Sites Program, Juneau, AK.

U.S. EPA. 1983. Methods for chemical analysis of water and wastes. EPA/600/4-79/020. U.S. Environmental Protection Agency, Environmental Monitoring and Support Laboratory, Cincinnati, OH.

U.S. EPA. 1994. Methods for the determination of metals in environmental samples - supplement. EPA-600/F-94-111. May 1994. U.S. Environmental Protection Agency Environmental Monitoring Systems Laboratory, Office of Research and Development, Cincinnati, OH.

U.S. EPA. 1997. Test methods for evaluating solid waste. SW-846. Version 2.0. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

Appendix C

Inorganic Chemical Data Tables

List of Tables

Table C-1. Analytical results for soil samples (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
TECK03	1006938	9/16/2003	1006938	0	0					2.4				
TECK03	1006939	9/16/2003	1006939	0	0					3.8				
TECK03	1006940	9/11/2003	1006940	0	0					1.9				
TECK03	1006941	9/11/2003	1006941	0	0					1.7				
TECK03	1006944	9/11/2003	1006944	0	0					2.8				
TECK03	1006945	9/11/2003	1006945	0	0					22.7				
TECK03	1006949	9/16/2003	1006949	0	0					2.4				
TECK03	1006952	9/11/2003	1006952	0	0					20.2				
TECK03	1006956	9/11/2003	1006956	0	0					29.6				
TECK03	1006959	9/11/2003	1006959	0	0					15.0				
TECK03	1006960	9/11/2003	1006960	0	0					20.4				
TECK03	1006968	9/12/2003	1006968	0	0					17.1				
TECK03	1006969	9/12/2003	1006969	0	0					6.3				
TECK03	1006973	9/10/2003	1006973	0	0					8.7				
TECK03	1006977	9/9/2003	1006977	0	0					19.2				
TECK03	1006990	9/10/2003	1006990	0	0					9.7				
TECK03	1006991	9/10/2003	1006991	0	0					25.7				
TECK03	1006992	9/10/2003	1006992	0	0					13.3				
TECK03	1006993	9/10/2003	1006993	0	0					14.0				
TECK03	1006994	9/10/2003	1006994	0	0					17.5				
TECK03	1007000	9/10/2003	1007000	0	0					11.9				
TECK03	1007036	6/21/2003	1007036	0	0					10.2				
TECK03	1007038	6/21/2003	1007038	0	0					31.0				
TECK03	1007040	6/21/2003	1007040	0	0					5.9				
TECK03	1007045	6/21/2003	1007045	0	0					23.1				
TECK03	1007055	6/19/2003	1007055	0	0					9.2				
TECK03	1007069	6/21/2003	1007069	0	0					8.5				
TECK03	1007088	7/13/2003	1007088	0	0					72.0				
TECK03	1007089	7/13/2003	1007089	0	0					65.9				
TECK03	1007090	7/13/2003	1007090	0	0					18.5				
TECK03	1007091	7/13/2003	1007091	0	0					16.7				
TECK03	1007092	7/13/2003	1007092	0	0					32.7				
TECK03	1007093	7/13/2003	1007093	0	0					28.6				
TECK03	1007094	7/13/2003	1007094	0	0					38.8				
TECK03	1007095	7/13/2003	1007095	0	0					27.9				
TECK03	1007097	7/13/2003	1007097	0	0					17.2				
TECK03	1007098	7/13/2003	1007098	0	0					43.5				
TECK03	1007128	7/13/2003	1007128	0	0					38.8				
TECK03	1007133	7/13/2003	1007133	0	0					57.9				
TECK03	1007135	7/13/2003	1007135	0	0					225.0				
TECK03	1007136	7/13/2003	1007136	0	0					132.0				
TECK03	1007150	7/14/2003	1007150	0	0					49.0				
TECK03	1007160	7/13/2003	1007160	0	0					67.2				
TECK03	1007164	7/13/2003	1007164	0	0					21.1				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
TECK03	1007170	7/13/2003	1007170	0	0					32.9				
TECK03	1007176	7/13/2003	1007176	0	0					248.0				
TECK03	1007195	7/14/2003	1007195	0	0					47.9				
TECK03	1007212	7/17/2003	1007212	0	0					28.5				
TECK03	1007215	7/17/2003	1007215	0	0					40.7				
TECK03	1007232	7/17/2003	1007232	0	0					32.2				
TECK03	1007239	7/17/2003	1007239	0	0					5.9				
TECK03	1007242	7/18/2003	1007242	0	0					4.9				
TECK03	1007243	7/18/2003	1007243	0	0					4.2				
TECK03	1007244	7/18/2003	1007244	0	0					12.3				
TECK03	1007245	7/18/2003	1007245	0	0					7.6				
TECK03	1007246	7/18/2003	1007246	0	0					25.3				
TECK03	1007247	7/18/2003	1007247	0	0					9.7				
TECK03	1007248	7/18/2003	1007248	0	0					8.6				
TECK03	1007249	7/18/2003	1007249	0	0					12.6				
TECK03	1007274	7/16/2003	1007274	0	0					26.1				
TECK03	1007278	7/15/2003	1007278	0	0					19.8				
TECK03	1007281	7/15/2003	1007281	0	0					38.5				
TECK03	1007290	7/15/2003	1007290	0	0					7.4				
TECK03	1007299	7/16/2003	1007299	0	0					36.3				
TECK03	1007314	7/17/2003	1007314	0	0					42.4				
TECK03	1007326	7/16/2003	1007326	0	0					26.5				
TECK03	1007333	7/17/2003	1007333	0	0					37.4				
TECK03	1007340	7/18/2003	1007340	0	0					8.8				
TECK03	1007341	7/18/2003	1007341	0	0					2.9				
TECK03	1007342	7/18/2003	1007342	0	0					7.3				
TECK03	1007344	7/18/2003	1007344	0	0					9.8				
TECK03	1007345	7/18/2003	1007345	0	0					10.5				
TECK03	1007346	7/18/2003	1007346	0	0					4.3				
TECK03	1007347	7/18/2003	1007347	0	0					1.5				
TECK03	1007348	7/18/2003	1007348	0	0					9.3				
TECK03	1007350	7/18/2003	1007350	0	0					7.0				
TECK03	1007351	7/18/2003	1007351	0	0					62.7				
TECK03	1007352	7/18/2003	1007352	0	0					10.8				
TECK03	1007353	7/18/2003	1007353	0	0					12.2				
TECK03	1007354	7/18/2003	1007354	0	0					20.2				
TECK03	1007360	7/18/2003	1007360	0	0					53.9				
TECK03	1007362	7/18/2003	1007362	0	0					114.0				
TECK03	1007367	7/18/2003	1007367	0	0					21.7				
TECK03	1007370	7/19/2003	1007370	0	0					13.8				
TECK03	1007377	7/19/2003	1007377	0	0					43.7				
TECK03	1007387	7/20/2003	1007387	0	0					18.3				
TECK03	1007390	7/20/2003	1007390	0	0					15.2				
TECK03	1007391	7/20/2003	1007391	0	0					22.8				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
TECK03	1007393	7/20/2003	1007393	0	0					19.0				
TECK03	1007394	7/20/2003	1007394	0	0					51.0				
TECK03	1007397	7/20/2003	1007397	0	0					16.5				
TECK03	1007398	7/20/2003	1007398	0	0					15.5				
TECK03	1007400	7/18/2003	1007400	0	0					10.9				
TECK03	1007406	7/18/2003	1007406	0	0					80.3				
TECK03	1007413	7/18/2003	1007413	0	0					59.2				
TECK03	1007419	7/19/2003	1007419	0	0					9.5				
TECK03	1007422	7/19/2003	1007422	0	0					72.2				
TECK03	1007430	7/19/2003	1007430	0	0					40.6				
TECK03	1007439	7/20/2003	1007439	0	0					15.1				
TECK03	1007441	7/20/2003	1007441	0	0					44.4				
TECK03	1007442	7/20/2003	1007442	0	0					19.8				
TECK03	1007445	7/20/2003	1007445	0	0					17.6				
TECK03	1007448	7/20/2003	1007448	0	0					20.7				
TECK03	1007449	7/20/2003	1007449	0	0					47.8				
TECK03	1007450	7/20/2003	1007450	0	0					51.5				
TECK03	1007451	7/20/2003	1007451	0	0					57.0				
TECK03	1007452	7/20/2003	1007452	0	0					24.6				
TECK03	1007458	7/20/2003	1007458	0	0					146.0				
TECK03	1007462	7/21/2003	1007462	0	0					30.3				
TECK03	1007463	7/21/2003	1007463	0	0					23.1				
TECK03	1007465	7/21/2003	1007465	0	0					29.7				
TECK03	1007467	7/21/2003	1007467	0	0					46.4				
TECK03	1007468	7/21/2003	1007468	0	0					98.7				
TECK03	1007469	7/21/2003	1007469	0	0					10.1				
TECK03	1007473	7/22/2003	1007473	0	0					8.40				
TECK03	1007474	7/22/2003	1007474	0	0					20.2				
TECK03	1007475	7/22/2003	1007475	0	0					45.6				
TECK03	1007476	7/22/2003	1007476	0	0					35.6				
TECK03	1007490	7/23/2003	1007490	0	0					44.7				
TECK03	1007491	7/23/2003	1007491	0	0					22.0				
TECK03	1007492	7/23/2003	1007492	0	0					44.1				
TECK03	1007499	7/20/2003	1007499	0	0					85.9				
TECK03	1007500	7/20/2003	1007500	0	0					217.0				
TECK03	1007502	7/21/2003	1007502	0	0					36.2				
TECK03	1007510	7/21/2003	1007510	0	0									
TECK03	1007514	7/22/2003	1007514	0	0					2.9				
TECK03	1007543	7/23/2003	1007543	0	0					2.6				
TECK03	1007544	7/23/2003	1007544	0	0					3.7				
TECK03	1007545	7/24/2003	1007545	0	0					7.6				
TECK03	1007553	7/24/2003	1007553	0	0					2.2				
TECK03	1007554	7/24/2003	1007554	0	0					12.2				
TECK03	1007564	7/23/2003	1007564	0	0					13.3				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
TECK03	1007566	7/23/2003	1007566	0	0					16.5				
TECK03	1007569	7/23/2003	1007569	0	0					7.4				
TECK03	1007579	7/24/2003	1007579	0	0					20.1				
TECK03	1007582	7/24/2003	1007582	0	0					10.6				
TECK03	1007583	7/24/2003	1007583	0	0					17.9				
TECK03	1007584	7/24/2003	1007584	0	0					13.3				
TECK03	1007585	7/24/2003	1007585	0	0					0.55 *U*				
TECK03	1007591	7/24/2003	1007591	0	0					6.0				
TECK03	1007617	7/26/2003	1007617	0	0					0.60 *U*				
TECK03	1007618	7/26/2003	1007618	0	0					0.50 *U*				
TECK03	1007619	7/26/2003	1007619	0	0					0.55 *U*				
TECK03	1007626	7/27/2003	1007626	0	0					1.3				
TECK03	1007627	7/27/2003	1007627	0	0					7.0				
TECK03	1007648	7/28/2003	1007648	0	0					2.5				
TECK03	1007650	7/28/2003	1007650	0	0					8.0				
TECK03	1007652	7/26/2003	1007652	0	0					0.55 *U*				
TECK03	1007659	7/27/2003	1007659	0	0					2.0				
TECK03	1007661	7/27/2003	1007661	0	0					4.0				
TECK03	1007664	7/27/2003	1007664	0	0					0.55 *U*				
TECK03	1007673	7/28/2003	1007673	0	0					2.1				
TECK03	1007678	7/28/2003	1007678	0	0					2.5 *U*				
TECK03	1007682	7/28/2003	1007682	0	0					2.5 *U*				
TECK03	1007683	7/28/2003	1007683	0	0					2.5 *U*				
TECK03	1007684	7/28/2003	1007684	0	0					4.3				
TECK03	1007685	7/28/2003	1007685	0	0					2.5 *U*				
TECK03	1007687	7/28/2003	1007687	0	0					3.5				
TECK03	1007688	7/28/2003	1007688	0	0					25.4				
TECK03	1007701	7/28/2003	1007701	0	0					2.5 *U*				
TECK03	1007702	7/28/2003	1007702	0	0					2.5 *U*				
TECK03	1007703	7/28/2003	1007703	0	0					2.5 *U*				
TECK03	1007704	7/28/2003	1007704	0	0					2.5 *U*				
TECK03	1007705	7/28/2003	1007705	0	0					2.7				
TECK03	1007901	7/19/2003	1007901	0	0					50.9				
TECK03	1007904	7/21/2003	1007904	0	0					31.9				
TECK03	1007911	7/28/2003	1007911	0	0					2.5 *U*				
TECK03	1007912	7/28/2003	1007912	0	0					6.0				
TECK03	1007916	7/28/2003	1007916	0	0					2.5 *U*				
TECK03	1007966	9/3/2003	1007966	0	0					23.3				
TECK03	1007980	9/7/2003	1007980	0	0					12.7				
TECK03	1007983	9/16/2003	1007983	0	0					0.60 *U*				
TECK03	1007990	9/11/2003	1007990	0	0					2.0				
TECK03	1007991	9/11/2003	1007991	0	0					0.60 *U*				
TECK03	1007992	9/11/2003	1007992	0	0					17.0				
TECK03	1007993	9/11/2003	1007993	0	0					7.2				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
TECK03	1007995	9/11/2003	1007995	0	0					1.7				
TECK03	1007996	9/11/2003	1007996	0	0					28.5				
TECK03	1007997	9/11/2003	1007997	0	0					4.1				
TECK03	1007998	9/11/2003	1007998	0	0					0.60 *U*				
TECK03	1008242	9/3/2003	1008242	0	0					70.1				
TECK03	1008244	9/3/2003	1008244	0	0					25.7				
TECK03	1008246	9/3/2003	1008246	0	0					36.5				
TECK03	1008247	9/3/2003	1008247	0	0					44.4				
TECK03	1008249	9/3/2003	1008249	0	0					31.8				
TECK03	1008250	9/3/2003	1008250	0	0					37.2				
TECK03	1008253	9/3/2003	1008253	0	0					22.1				
TECK03	1008255	9/3/2003	1008255	0	0					28.0				
TECK03	1008257	9/3/2003	1008257	0	0					22.1				
TECK03	1008258	9/3/2003	1008258	0	0					19.6				
TECK03	1008260	9/3/2003	1008260	0	0					27.5				
TECK03	1008262	9/3/2003	1008262	0	0					16.9				
TECK03	1008263	9/3/2003	1008263	0	0					19.2				
TECK03	1008265	9/4/2003	1008265	0	0					46.3				
TECK03	1008279	9/4/2003	1008279	0	0					5.7				
TECK03	1008287	9/4/2003	1008287	0	0					17.3				
TECK03	1008317	9/7/2003	1008317	0	0					28.7				
TECK03	1008318	9/7/2003	1008318	0	0					21.4				
TECK03	1008341	9/9/2003	1008341	0	0					20.6				
TECK03	1008346	9/10/2003	1008346	0	0					15.8				
TECK03	1008347	9/10/2003	1008347	0	0					15.9				
TECK03	1008357	9/7/2009	1008357	0	0					7.7				
TECK03	1008362	9/7/2009	1008362	0	0					13.3				
TECK03	1008363	9/7/2009	1008363	0	0					23.6				
TECK03	1008364	9/7/2009	1008364	0	0					20.1				
TECK03	1008370	9/7/2009	1008370	0	0					20.8				
TECK03	1008374	9/7/2009	1008374	0	0					20.9				
TECK03	1008375	9/7/2009	1008375	0	0					20.7				
TECK03	1008376	9/7/2009	1008376	0	0					33.2				
TECK03	1008396	9/8/2009	1008396	0	0					1.6				
SUPPRSS	101_A	7/17/2002	RS-101A-VS	0	0					0.5 *U*				
SUPPRSS	101_B	7/17/2002	RS-101B-VS	0	0					0.55 *U*				
SUPPRSS	101_C	7/17/2002	RS-101C-VS	0	0					0.55 *U*				
PSCHAR	106_A1	6/17/2002	RF-106A	0	0					68.2				
PSCHAR	107_A1	6/17/2002	RF-107A	0	0					76.2				
PSCHAR	108_A1	6/17/2002	RF-108A	0	0					53.6				
PSCHAR	109_A1	6/17/2002	RF-109A	0	0					46.7				
PSCHAR	110_A1	6/17/2002	RF-110A	0	0					83.5				
PSCHAR	111_A1	6/17/2002	RF-111A	0	0					115				
PSCHAR	112_A1	6/17/2002	RF-112A	0	0					79.8				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PSCHAR	113_A1	6/17/2002	RF-113A	0	0	7,070	5.0 *U*	10 *U*	1,030	58.6	14.8	11.9	41.2	
PSCHAR	115_A1	6/17/2002	RF-115-A	0	0					26.1				
PSCHAR	116_A1	6/17/2002	RF-116-A	0	0					24.1				
PSCHAR	122_A1	6/17/2002	RF-122-A	0	0	5,880	5.0 *U*	10 *U*	1,380	35	13	10.5	30.6	
PSCHAR	123_A1	6/17/2002	RF-123-A	1	0					32.6				
PSCHAR	123_A1	6/17/2002	RF-123-A	2	0					30.2				
SUPPRSS	145_A	5/31/2002	RC-145-A	0	0					10.1				
SUPPRSS	145_A	6/1/2002	RS-145-A	0	0	8,150	26 *U*	51.0 *U*	1,380	26.3 *J*	17.9	8.5	29.3	
PSCHAR	145_A1	6/1/2002	RF-145-A	0	0					31.9 *J*				
PSCHAR	148_A1	6/1/2002	RF-148-A	0	0					49.8 *J*				
PSCHAR	149_C1	6/1/2002	RF-149-C	0	0					34.7 *J*				
PSCHAR	150_A1	6/1/2002	RF-150-A	0	0					32.9 *J*				
PSCHAR	150_C1	6/3/2002	RF-150-C	0	0	8,150	25 *U*	50 *U*	1,530	36.2 *J*	22.8	13.6	42.3	
PSCHAR	153_A1	6/3/2002	RF-153-A	0	0					37 *J*				
PSCHAR	153_C1	6/3/2002	RF-153-C	0	0					35.8 *J*				
PSCHAR	154_C1	6/3/2002	RF-154-C	0	0					27.4 *J*				
PSCHAR	155_C1	6/3/2002	RF-155-C	0	0					38.1 *J*				
PSCHAR	156_C1	6/3/2002	RF-156-C	1	0					41.8 *J*				
PSCHAR	156_C1	6/3/2002	RF-156-C	2	0	5,460	25 *U*	50.0 *U*	1,590	34.5	13.3	5.00 *U*	28.5	
PSCHAR	157_A1	6/3/2002	RF-157-A	0	0	8,300	25 *U*	50.5 *U*	1,300	38.5 *J*	17.1	11.6	31.8	
PSCHAR	159_C1	6/3/2002	RF-159-C	0	0					33.3 *J*				
PSCHAR	160_C1	6/3/2002	RF-160-C	0	0					41 *J*				
PSCHAR	165_C1	6/4/2002	RF-165-C	0	0	4,980	25 *U*	50 *U*	1,370	51.8	16.8	10.5	34.3	
PSCHAR	169_A1	6/4/2002	RF-169-A	0	0	6,710	5.00 *U*	10.0 *U*	1,090	72.2	14.5	12.8	46.1	
PSCHAR	170_C1	6/4/2002	RF-170-C	0	0	6,040	5.50 *U*	10.5 *U*	932	26.9	12.7	19.8	25.8	
PSCHAR	171_A1	6/4/2002	RF-171-A	1	0					60.6				
PSCHAR	171_A1	6/4/2002	RF-171-A	2	0					59.8				
PSCHAR	171_C1	6/4/2002	RF-171-C	0	0					35.9				
PSCHAR	175_A1	6/5/2002	RF-175-A	0	0					122				
PSCHAR	176_C1	6/5/2002	RF-176-C	0	0					69.2				
PSCHAR	178_A1	6/5/2002	RF-178-A	0	0	6,890	5.00 *U*	10.5 *U*	1,030	139	16.3	17.4	66.7	
PSCHAR	178_C1	6/5/2002	RF-178-C	0	0					81.8				
PSCHAR	179_C1	6/5/2002	RF-179-C	0	0					86.5				
PSCHAR	180_C1	6/5/2002	RF-180-C	0	0	6,550	5.00 *U*	10.0 *U*	1,560	110	15.0	13.7	62.1	
PSCHAR	189_A1	6/7/2002	RF-189-A	0	0					26.3				
PSCHAR	189_C1	6/7/2002	RF-189-C	0	0	7,330	5.00 *U*	10.0 *U*	1,570	69.1	21.7	14.5	51.9	
PSCHAR	190_C1	6/7/2002	RF-190-C	0	0					48.5				
PSCHAR	191_C1	6/7/2002	RF-191-C	0	0	7,080	5.00 *U*	10.0 *U*	1,550	41.5	15.2	13.3	34.9	
PSCHAR	192_C1	6/7/2002	RF-192-C	0	0					33.6				
PSCHAR	216_A1	6/9/2002	RF-216A	0	0	9,790	5.0 *U*	10 *U*	1,890	9.6	18.2	10.2	26.5	
PSCHAR	220_C1	6/9/2002	RF-220C	0	0					7.1				
PSCHAR	222_C1	6/9/2002	RF-222C	0	0	11,800	5.0 *U*	10 *U*	1,340	16.5	22.7	12.7	26.3	
TECK03	471204	6/6/2003	471204	0	0					7.4				
TECK03	471210	6/6/2003	471210	0	0					1.8				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
TECK03	471212	6/6/2003	471212	0	0					26.8				
TECK03	471221	6/7/2003	471221	0	0					126.0				
TECK03	471264	6/6/2003	471264	0	0					9.8				
TECK03	471272	6/6/2003	471272	0	0					11.7				
TECK03	471274	6/6/2003	471274	0	0					3.3				
TECK03	471276	6/6/2003	471276	0	0					0.50 *U*				
TECK03	471283	6/7/2003	471283	0	0					0.50 *U*				
TECK03	471287	6/7/2003	471287	0	0					0.55 *U*				
TECK03	471293	6/7/2003	471293	0	0					28.8				
TECK03	471295	6/7/2003	471295	0	0					69.8				
TECK03	471297	6/7/2003	471297	0	0					21.6				
TECK03	471299	6/7/2003	471299	0	0					17.7				
TECK03	471300	6/6/2003	471300	0	0					5.2				
TECK03	471320	6/10/2003	471320	0	0					103.0				
TECK03	471325	6/10/2003	471325	0	0					33.9				
TECK03	471332	6/10/2003	471332	0	0					44.2				
TECK03	471333	6/10/2003	471333	0	0					37.0				
TECK03	471334	6/10/2003	471334	0	0					14.3				
TECK03	471341	6/11/2003	471341	0	0					66.1				
TECK03	471350	6/13/2003	471350	0	0					19.5				
TECK03	471352	6/7/2003	471352	0	0					8.4				
TECK03	471353	6/7/2003	471353	0	0					13.7				
TECK03	471355	6/7/2003	471355	0	0					50.1				
TECK03	471356	6/7/2003	471356	0	0					22.5				
TECK03	471358	6/7/2003	471358	0	0					1.6				
TECK03	471365	6/16/2003	471365	0	0					10.0				
TECK03	471374	6/17/2003	471374	0	0					25.2				
TECK03	471418	6/10/2003	471418	0	0					34.9				
TECK03	471419	6/10/2003	471419	0	0					32.5				
TECK03	471420	6/10/2003	471420	0	0					18.5				
TECK03	471421	6/10/2003	471421	0	0					17.2				
TECK03	471425	6/11/2003	471425	0	0					59.3				
TECK03	471453	6/14/2003	471453	0	0					25.5				
TECK03	471457	6/14/2003	471457	0	0					6.2				
TECK03	471458	6/14/2003	471458	0	0					15.4				
TECK03	471463	6/14/2003	471463	0	0					26.3				
TECK03	471464	6/14/2003	471464	0	0					103.0				
TECK03	471465	6/14/2003	471465	0	0					33.5				
TECK03	471466	6/14/2003	471466	0	0					4.9				
TECK03	471474	6/14/2003	471474	0	0					88.1				
TECK03	471487	6/15/2003	471487	0	0					74.8				
TECK03	471501	6/7/2003	471501	0	0					163.0				
TECK03	471505	6/10/2003	471505	0	0					47.4				
TECK03	471508	6/10/2003	471508	0	0					17.9				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
TECK03	471520	6/21/2003	471520	0	0					18.1				
TECK03	471539	7/13/2003	471539	0	0					40.7				
TECK03	471540	7/13/2003	471540	0	0					30.4				
TECK03	471549	7/17/2003	471549	0	0					5.4				
TECK03	471550	7/18/2003	471550	0	0					27.0				
PSCHAR	CAG-AA28	9/16/2002	CAG-AA28-VS	0	0					1.4 *J*				
PSCHAR	CAG-AA29	8/28/2002	CAG-AA29-VS	0	0					1.6				
PSCHAR	CAG-AA30	8/28/2002	CAG-AA30-VS	0	0					0.55 *U*				
PSCHAR	CAG-AA31	8/28/2002	CAG-AA31-VS	0	0					4.1				
PSCHAR	CAG-F2	7/28/2002	CAG-2-F	0	0					29.4				
PSCHAR	CAG-H30	7/3/2002	CAG-H-30	0	0	7,620		93.6		388 *J*				
PSCHAR	CAG-I1	7/28/2002	CAG-1-I	0	0					60.7				
PSCHAR	CAG-L33	7/3/2002	CAG-L-33	0	0					9.8 *J*				
PSCHAR	CAG-R2	7/1/2002	CAG-R-2-S	0	0					11.4				
PSCHAR	CAG-R32	7/21/2002	CAG-R-32	0	0					10.4				
PSCHAR	CAG-R34	9/19/2002	CAG-R34-VS	0	0					23.9 *J*				
PSCHAR	CAG-S34	9/19/2002	CAG-S34-VS	0	0					22.7 *J*				
PSCHAR	CAG-U130	7/19/2002	CAG-U-130	0	0					45.4				
PSCHAR	CAG-U29	7/3/2002	CAG-U-29	0	0	10,100		11 *U*		28.5 *J*				
PSCHAR	CAG-U34	7/21/2002	CAG-U-34	0	0					12.3				
PSCHAR	CAG-W29	7/1/2002	CAG-W-29	0	0	10,000	14.8	19	1,170	92	20.2	19	37.6	
PSCHAR	CAG-W31	8/28/2002	CAG-W31-VS	0	0					6.8 *J*				
PSCHAR	CAG-X100	8/28/2002	CAG-X100-VS	0	0					0.55 *U*				
PSCHAR	CAG-X101	8/28/2002	CAG-X101-VS	0	0					4.9				
PSCHAR	CAG-X12	7/2/2002	CAG-X-12	0	0					7.4 *J*				
PSCHAR	CAG-X22	7/1/2002	CAG-X-22	0	0					11.4				
PSCHAR	CAG-X26	7/1/2002	CAG-X-26-A	0	0					11.2				
PSCHAR	CAG-X29	8/28/2002	CAG-X29-VS	0	0					7.2 *J*				
PSCHAR	CAG-X30	8/28/2002	CAG-X30-VS	0	0					1.9 *J*				
PSCHAR	CAG-X31	8/28/2002	CAG-X31-VS	0	0					16.4 *J*				
PSCHAR	CAG-X8	7/2/2002	CAG-X-8	0	0					4.4 *J*				
PSCHAR	CAG-Y27	7/1/2002	CAG-Y-27	0	0					32.3				
PSCHAR	CAG-Y28	8/28/2002	CAG-Y28-VS	0	0					4.0 *J*				
PSCHAR	CAG-Y29	9/16/2002	CAG-Y29-VS	0	0					0.50 *U*				
PSCHAR	CAG-Y30	9/16/2002	CAG-Y30-VS	0	0					0.50 *U*				
PSCHAR	CAG-Y31	8/28/2002	CAG-Y31-VS	0	0					55.4 *J*				
PSCHAR	CAG-Y32	8/28/2002	CAG-Y32-VS	0	0					3.8 *J*				
PSCHAR	CAG-Y33	8/28/2002	CAG-Y33-VS	0	0					0.55 *UR*				
PSCHAR	CAG-Z27	8/28/2002	CAG-Z27-VS	0	0					12.3 *J*				
PSCHAR	CAG-Z28	8/28/2002	CAG-Z28-VS	0	0					14.7 *J*				
PSCHAR	CAG-Z29	8/28/2002	CAG-Z29-VS	0	0					0.55 *UR*				
PSCHAR	CAG-Z30	8/28/2002	CAG-Z30-VS	0	0					0.55 *UR*				
PSCHAR	CAG-Z31	8/28/2002	CAG-Z31-VS	0	0					0.50 *UR*				
PSCHAR	CAG-Z32	8/28/2002	CAG-Z32-VS	0	0					13.0 *J*				

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Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PSCHAR	CAG-Z33	8/28/2002	CAG-Z33-VS	0	0					14 *J*				
PSCHAR	CAG-Z7S	7/1/2002	CAG-Z-7-S	0	0					2.50				
PSCHAR	CIT1250N	6/29/2002	C1T1-250-N	2	0					2.70				
PSCHAR	CVT1-0N	6/29/2002	CVT1-0-N	0	0					5.60				
PSCHAR	CVT1-0S	6/29/2002	CVT1-0-S	0	0					12.5				
PSCHAR	CVT1-10N	6/29/2002	CVT1-10-N	0	0					30.7				
PSCHAR	CVT1-10S	6/29/2002	CVT1-10-S	0	0					23.4				
PSCHAR	CVT2-0N	6/30/2002	CVT2-0-N	1	0					2.70				
PSCHAR	CVT2-0N	6/30/2002	CVT2-0-N	2	0					2.60				
PSCHAR	CVT2-0S	6/30/2002	CVT2-0-S	0	0					5.30				
PSCHAR	CVT3-0N	6/30/2002	CVT3-0-N	0	0	10,600	5.00 *U*	10.0 *U*	357	3.85	20.6	16.7	19.7	
PSCHAR	CVT3-0S	6/30/2002	CVT3-0-S	0	0					4.00				
PSCHAR	CVT4-0N	6/30/2002	CVT4-0-N	0	0					2.20 *J*				
PSCHAR	CVT4-0S	6/30/2002	CVT4-0-S	0	0					1.60 *J*				
PSCHAR	CVT5-0N	6/30/2002	CVT5-0-N	1	0					2.70 *J*				
PSCHAR	CVT5-0N	6/30/2002	CVT5-0-N	2	0					3.00				
PSCHAR	CVT5-0S	6/30/2002	CVT5-0-S	0	0					0.500 *UJ*				
PSCHAR	CVT6-0N	6/30/2002	CVT6-0-N	0	0					6.40				
PSCHAR	CVT6-0S	6/30/2002	CVT6-0-S	0	0					7.60 *J*				
PSCHAR	CVT6-10S	6/30/2002	CVT6-10-S	0	0					5.30 *J*				
PSCHAR	CVT7-0N	7/3/2002	CVT7-0-N	0	0					6 *J*				
PSCHAR	CVT7-0S	7/3/2002	CVT7-0-S	0	0					9 *J*				
PSCHAR	CVT7-10S	7/3/2002	CVT7-10-S	1	0					9.7 *J*				
PSCHAR	CVT7-10S	7/3/2002	CVT7-10-S	2	0					5.30				
PSCHAR	CVT8-0N	7/3/2002	CVT8-0-N	0	0					19.6 *J*				
PSCHAR	CVT8250N	7/3/2002	CVT8-250-N	0	0					1.50				
PSCHAR	CVT9-0N	7/3/2002	CVT9-0-N	0	0					76.7				
PSCHAR	CVT9-50N	7/3/2002	CVT9-50N	0	0					0.500 *U*				
PSCHAR	CVT9150S	7/3/2002	CVT9-150-S	0	0					5.70				
PSCHAR	CVT9300S	7/3/2002	CVT9-300-S	0	0					1.70				
PSCHAR	CVT9500N	7/3/2002	CVT9-500-N	0	0					0.500 *U*				
PSCHAR	DSP-A6	6/23/2002	DSP-A-6	0	0					3.3				
PSCHAR	DSP-AA2	6/23/2002	DSP-AA-2	0	0					2.1				
PSCHAR	DSP-B1	6/23/2002	DSP-B-1	0	0					23.8				
PSCHAR	DSP-B1	7/25/2002	V2-DSP-B-1	0	0					4.6				
PSCHAR	DSP-B4	6/25/2002	DSP-B-4	0	0					5.9				
PSCHAR	DSP-B9	9/19/2002	DSP-B9-VS	0	0					3.7				
PSCHAR	DSP-C3	6/23/2002	DSP-C-3	0	0					11.4				
PSCHAR	DSP-D4	6/23/2002	DSP-D-4	0	0					281				
PSCHAR	DSP-D4	9/19/2002	DSP-D4-VS	0	0					20.2				
PSCHAR	DSP-F6	6/23/2002	DSP-F-6	0	0					12.8				
PSCHAR	DSP-G6	6/23/2002	DSP-G-6	0	0					18.8				
PSCHAR	DSP-G6	9/19/2002	DSP-G6-VS	0	0					6.9				
PSCHAR	DSP-HG5B	7/26/2002	DSP-HG-5-B	0	0					3				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PSCHAR	DSP-IH5A	7/26/2002	DSP-IH-5-A	1	0					9.1				
PSCHAR	DSP-IH5A	7/26/2002	DSP-IH-5-A	2	0					8.2				
PSCHAR	PG-P5S	7/28/2002	PG-P5S	0	0					0.5 *U*				
PSCHAR	RAT1-0EA	6/27/2002	RAT1-OE-A	0	0					11.6				
PSCHAR	RAT2-50W	7/2/2002	RAT2-50-W	1	0	9,600		11 *U*		17 *J*				
PSCHAR	RAT2-50W	7/2/2002	RAT2-50-W	2	0					17 *J*				
PSCHAR	RAT2250E	6/27/2002	RAT2-250E	2	0					0.4 *U*				
PSCHAR	RAT3-0EA	6/27/2002	RAT3-OEA	0	0					12.4				
PSCHAR	RAT4-0W	7/2/2002	RAT4-0-W	0	0					10.1 *J*				
PSCHAR	RAT5-0NA	6/27/2002	RAT5-0NA	0	0	6,580	6.5 *U*	13 *U*	1,700	218	22.3	17.3	109	
PSCHAR	RAT5-0W	7/2/2002	RAT5-0-W	0	0					35.5 *J*				
PSCHAR	RAT5-10W	7/2/2002	RAT5-10-W	0	0					5.1 *J*				
FUGDST01	RC-01-A	8/22/2001	RC-01-A	0	0			7.20		1.90				
FUGDST01	RC-03-A	8/23/2001	RC-03-A	0	0			3.90		0.500 *U*				
FUGDST01	RC-04-A	8/23/2001	RC-04-A	0	0			1.30		1.30				
FUGDST01	RC-05-A	8/23/2001	RC-05-A	0	0			4.40		2.10				
FUGDST01	RC-06-A	8/23/2001	RC-06-A	0	0	13,000	5.0 *U*	7	5,900	1.00	22.0	19.2	64.6	
FUGDST01	RC-07-A	8/23/2001	RC-07-A	0	0			4.10		1.40				
FUGDST01	RC-08-A	8/24/2001	RC-08-A	0	0			24.2		0.500 *U*				
FUGDST01	RC-09-A	8/24/2001	RC-09-A	0	0			28.2		1.20				
FUGDST01	RF-01	8/26/2001	RF-01	0	0	6,850	5.5 *U*	9	570	6.70	14.7	9.1	17.7	
FUGDST01	RF-02	8/25/2001	RF-02	0	0	7,380	5.5 *U*	8	1,170	6.20	16.8	11.3	22.3	
FUGDST01	RF-03	8/25/2001	RF-03	0	0	3,930	5.5 *U*	7	650	3.75	8.1	6	12.5	
FUGDST01	RF-04	8/26/2001	RF-04	1	0	2,490	5.5 *U*	9	1,010	4.40	7.2	3.8	9.9	
FUGDST01	RF-04	8/26/2001	RF-04	2	0	3,300	5.5 *U*	9	1,200	5.10	8.5	4.7	12.3	
FUGDST01	RF-05	8/26/2001	RF-05	0	0	16,600	5.0 *U*	8	6,290	3.90	24	27	59.1	
FUGDST01	RF-06	8/26/2001	RF-06	0	0	12,100	5.0 *U*	8	2,760	29.3	18	13.1	58.8	
FUGDST01	RF-07	8/26/2001	RF-07	0	0	9,890	5.5 *U*	20	7,090	17.3	17.4	10.2	72.8	
FUGDST01	RF-08	8/26/2001	RF-08	0	0	3,780	5 *U*	10.2	3,770	9.45	7.5	5	36.4	
PHASE1RA	RF-10	7/14/2003	SL0009	0	0	7,940	0.930 *J*	4.40	2,110	9.54 *J*	12.2	8.92	22.2	0.7 *J*
PHASE1RA	RF-107	7/17/2003	SL0019	0	0	5,640	3.73 *J*	9.8	1,660 *J*	50.5 *J*	13.2	10.1	36.5 *J*	0.4 *U*
PHASE1RA	RF-16	7/14/2003	SL0008	0	0	14,200	0.390 *J*	6.30	1,720	3.10 *J*	20.2	13.0	24.0	1.3 *J*
PHASE1RA	RF-18	7/14/2003	SL0007	0	0	3,560	0.590 *J*	3.00	998	2.41 *J*	11.2	7.04	13.9	1 *J*
PHASE1RA	RF-20	7/14/2003	SL0006	0	0	2,270	0.540 *J*	1.40	1,260	2.28 *J*	5.74	4.51	10.6	0.6 *J*
PHASE1RA	RF-22	7/14/2003	SL0005	0	0	1,180	0.380 *J*	1.30	732	2.61 *J*	4.86	4.21	9.76	0.6 *J*
PHASE1RA	RF-24	7/14/2003	SL0004	0	0	2,770	0.560 *J*	3.30	2,150	2.92 *J*	6.37	5.09	14.1	1.1 *J*
PHASE1RA	RF-27	7/22/2003	SL0029	1	0	9,800	0.87 *J*	4.2	5,600 *J*	2.67 *J*	12.9	9.48	42.4 *J*	0.4 *U*
PHASE1RA	RF-27	7/22/2003	SL0029	2	0	10,800	0.79 *J*	4.5	5,800 *J*	3.8 *J*	11.2	8.44	58.1 *J*	0.4 *U*
PHASE1RA	RF-32	7/14/2003	SL0003	0	0	5,610	1.39 *J*	14.0	5,490	9.61 *J*	11.0	8.12	36.2	0.9 *J*
PHASE1RA	RF-34	7/21/2003	SL0026	0	0	6,800	1.33 *J*	11.5	6,640 *J*	6 *J*	9.47	6.78	35.7 *J*	0.4 *U*
PHASE1RA	RF-4	7/14/2003	SL0010	0	0	4,870	4.22 *J*	6.40	1,110	49.8 *J*	9.32	8.16	29.5	0.5 *J*
PHASE1RA	RF-5	7/14/2003	SL0011	1	0	10,200	1.27 *J*	6.30	1,720	21.1 *J*	17.7	11.7	26.7	0.8 *J*
PHASE1RA	RF-5	7/14/2003	SL0011	2	0	10,500	1.20 *J*	5.80	1,520	19.9 *J*	17.0	11.5	26.9	0.9 *J*
FUGDST01	RF-PORT	8/26/2001	RF-PORT	0	0	8,930	6.0 *U*	10	1,210	27.9	17.4	11	29.6	

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PSCHAR	ROT1-0N	7/3/2002	ROT1-0N	0	0					16.0				
PSCHAR	ROT5-10S	7/5/2002	ROT5-10-S	1	0					3.40				
PSCHAR	ROT5-10S	7/5/2002	ROT5-10-S	2	0					4.5 *J*				
PSCHAR	ROT5-50S	7/5/2002	ROT5-50-S	0	0					17.0				
PSCHAR	ROT5250S	7/5/2002	ROT5-250-S	0	0					0.550 *U*				
PSCHAR	ROT5500S	7/5/2002	ROT5-500-S	0	0					1.20				
PSCHAR	ROT6-10S	7/5/2002	ROT610S	0	0	6,980		12 *U*		11.6				
PSCHAR	ROT6-50S	7/5/2002	ROT650S	0	0					25.6				
PSCHAR	ROT6250S	7/5/2002	ROT6250S	0	0					2.50				
PSCHAR	ROT6500S	7/5/2002	ROT6-500-S	1	0					1.70				
PSCHAR	ROT6500S	7/5/2002	ROT6-500-S	2	0					1.5 *J*				
PSCHAR	ROT7-0S	7/5/2002	ROT7-0-S	0	0					105				
PSCHAR	ROT7-10S	7/5/2002	ROT710S	0	0					4.30				
PSCHAR	ROT8-0S	7/5/2002	ROT8-OS	0	0	6,630		11 *U*		27.6				
PSCHAR	ROT8-10S	7/5/2002	ROT8-10-S	0	0					25.1				
PSCHAR	ROT8-50S	7/5/2002	ROT8-50-S	0	0					10.5				
PSCHAR	ROT8250S	7/5/2002	ROT8-250-S	0	0					0.500 *U*				
PSCHAR	ROT9-0N	7/3/2002	ROT9-0N	0	0					31.8				
PSCHAR	ROT9-0S	7/5/2002	ROT9-OS	1	0					35.1				
PSCHAR	ROT9-0S	7/5/2002	ROT9-OS	2	0					27.1 *J*				
PSCHAR	ROT9-10N	7/5/2002	ROT9-10N	0	0					32.6 *J*				
PSCHAR	ROT9-10S	7/5/2002	ROT9-10-S	0	0					71.8				
FUGDST01	RS-01	8/24/2001	RS-01	0	0			7.70		13.3				
FUGDST01	RS-13	8/25/2001	RS-13	1	0			5.70		2.80				
FUGDST01	RS-13	8/25/2001	RS-13	2	0			5.00		2.60				
FUGDST01	RS-14	8/25/2001	RS-14	0	0			7.80		1.20				
FUGDST01	RS-15	8/25/2001	RS-15	0	0			3.90		1.20				
FUGDST01	RS-16	8/25/2001	RS-16	0	0			5.30		0.500 *U*				
FUGDST01	RS-17	8/25/2001	RS-17	0	0			5.00		3.10				
FUGDST01	RS-18	8/25/2001	RS-18	0	0			3.40		2.10				
FUGDST01	RS-19	8/25/2001	RS-19	0	0	3,780		2.80		1.80				
FUGDST01	RS-20	8/25/2001	RS-20	0	0			2.30		2.40				
FUGDST01	RS-21	8/25/2001	RS-21	0	0			1.70		1.60				
FUGDST01	RS-22	8/26/2001	RS-22	0	0	1,240		4.60		2.00				
FUGDST01	RS-23	8/26/2001	RS-23	0	0			5.10		2.50				
FUGDST01	RS-24	8/26/2001	RS-24	0	0			4.40		3.30				
FUGDST01	RS-25	8/26/2001	RS-25	0	0	12,100		3.80		1.80				
FUGDST01	RS-26	8/26/2001	RS-26	0	0			3.40		3.10				
FUGDST01	RS-27	8/26/2001	RS-27	0	0			2.90		1.30				
FUGDST01	RS-28	8/26/2001	RS-28	0	0			4.00		2.50				
FUGDST01	RS-29	8/26/2001	RS-29	1	0	10,600		5.50		2.90				
FUGDST01	RS-29	8/26/2001	RS-29	2	0	10,600		5.00		2.50				
FUGDST01	RS-30	8/26/2001	RS-30	0	0			15.1		6.50				
FUGDST01	RS-31	8/26/2001	RS-31	0	0			5.70		5.50				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
FUGDST01	RS-32	8/26/2001	RS-32	0	0	4,740		11.7		6.80				
FUGDST01	RS-33	8/26/2001	RS-33	1	0			18.4		4.50				
FUGDST01	RS-33	8/26/2001	RS-33	2	0			13.1		4.00				
FUGDST01	RS-34	8/26/2001	RS-34	0	0	5,330		14.8		3.90				
PSCHAR	TUB-1	7/5/2002	TU-1-VS	0	0					0.5 *UJ*				
PSCHAR	TUB-2	7/5/2002	TU-2-VS	0	0					0.5 *UJ*				
PSCHAR	TUB-3	8/11/2002	TU-3-VS	0	0					22 *J*				
PSCHAR	TUB-4	8/11/2002	TU-4-VS	0	0					1.4 *J*				
PSCHAR	TUB-5	7/5/2002	TU-5-VS	0	0					0.55 *UJ*				
PSCHAR	TUF-1	7/9/2002	TUF1	0	0					0.550 *U*				
PSCHAR	TUF-2	7/9/2002	TUF2	0	0					1.30				
PSCHAR	TUF-3	7/9/2002	TUF3	0	0					0.550 *U*				

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
TECK03	1006938	9/16/2003	1006938	0	0		78							
TECK03	1006939	9/16/2003	1006939	0	0		168							
TECK03	1006940	9/11/2003	1006940	0	0		94							
TECK03	1006941	9/11/2003	1006941	0	0		81							
TECK03	1006944	9/11/2003	1006944	0	0		62							
TECK03	1006945	9/11/2003	1006945	0	0		839							
TECK03	1006949	9/16/2003	1006949	0	0		95							
TECK03	1006952	9/11/2003	1006952	0	0		731							
TECK03	1006956	9/11/2003	1006956	0	0		1,190							
TECK03	1006959	9/11/2003	1006959	0	0		477							
TECK03	1006960	9/11/2003	1006960	0	0		1,040							
TECK03	1006968	9/12/2003	1006968	0	0		2,710							
TECK03	1006969	9/12/2003	1006969	0	0		263							
TECK03	1006973	9/10/2003	1006973	0	0		343							
TECK03	1006977	9/9/2003	1006977	0	0		681							
TECK03	1006990	9/10/2003	1006990	0	0		343							
TECK03	1006991	9/10/2003	1006991	0	0		995							
TECK03	1006992	9/10/2003	1006992	0	0		515							
TECK03	1006993	9/10/2003	1006993	0	0		562							
TECK03	1006994	9/10/2003	1006994	0	0		657							
TECK03	1007000	9/10/2003	1007000	0	0		499							
TECK03	1007036	6/21/2003	1007036	0	0		382							
TECK03	1007038	6/21/2003	1007038	0	0		1,540							
TECK03	1007040	6/21/2003	1007040	0	0		268							
TECK03	1007045	6/21/2003	1007045	0	0		1,020							
TECK03	1007055	6/19/2003	1007055	0	0		393							
TECK03	1007069	6/21/2003	1007069	0	0		351							
TECK03	1007088	7/13/2003	1007088	0	0		2,710							
TECK03	1007089	7/13/2003	1007089	0	0		2,590							
TECK03	1007090	7/13/2003	1007090	0	0		729							
TECK03	1007091	7/13/2003	1007091	0	0		1,030							
TECK03	1007092	7/13/2003	1007092	0	0		1,620							
TECK03	1007093	7/13/2003	1007093	0	0		1,280							
TECK03	1007094	7/13/2003	1007094	0	0		2,620							
TECK03	1007095	7/13/2003	1007095	0	0		1,720							
TECK03	1007097	7/13/2003	1007097	0	0		1,070							
TECK03	1007098	7/13/2003	1007098	0	0		1,750							
TECK03	1007128	7/13/2003	1007128	0	0		1,370							
TECK03	1007133	7/13/2003	1007133	0	0		2,300							
TECK03	1007135	7/13/2003	1007135	0	0		9,180							
TECK03	1007136	7/13/2003	1007136	0	0		5,700							
TECK03	1007150	7/14/2003	1007150	0	0		1,570							
TECK03	1007160	7/13/2003	1007160	0	0		3,080							
TECK03	1007164	7/13/2003	1007164	0	0		763							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
TECK03	1007170	7/13/2003	1007170	0	0		2,550							
TECK03	1007176	7/13/2003	1007176	0	0		11,000							
TECK03	1007195	7/14/2003	1007195	0	0		2,040							
TECK03	1007212	7/17/2003	1007212	0	0		907							
TECK03	1007215	7/17/2003	1007215	0	0		1,450							
TECK03	1007232	7/17/2003	1007232	0	0		1,370							
TECK03	1007239	7/17/2003	1007239	0	0		214							
TECK03	1007242	7/18/2003	1007242	0	0		223							
TECK03	1007243	7/18/2003	1007243	0	0		195							
TECK03	1007244	7/18/2003	1007244	0	0		545							
TECK03	1007245	7/18/2003	1007245	0	0		247							
TECK03	1007246	7/18/2003	1007246	0	0		873							
TECK03	1007247	7/18/2003	1007247	0	0		303							
TECK03	1007248	7/18/2003	1007248	0	0		345							
TECK03	1007249	7/18/2003	1007249	0	0		514							
TECK03	1007274	7/16/2003	1007274	0	0		1,290							
TECK03	1007278	7/15/2003	1007278	0	0		887							
TECK03	1007281	7/15/2003	1007281	0	0		1,320							
TECK03	1007290	7/15/2003	1007290	0	0		274							
TECK03	1007299	7/16/2003	1007299	0	0		1,190							
TECK03	1007314	7/17/2003	1007314	0	0		1,730							
TECK03	1007326	7/16/2003	1007326	0	0		2,010							
TECK03	1007333	7/17/2003	1007333	0	0		1,570							
TECK03	1007340	7/18/2003	1007340	0	0		274							
TECK03	1007341	7/18/2003	1007341	0	0		98							
TECK03	1007342	7/18/2003	1007342	0	0		289							
TECK03	1007344	7/18/2003	1007344	0	0		356							
TECK03	1007345	7/18/2003	1007345	0	0		397							
TECK03	1007346	7/18/2003	1007346	0	0		170							
TECK03	1007347	7/18/2003	1007347	0	0		79							
TECK03	1007348	7/18/2003	1007348	0	0		391							
TECK03	1007350	7/18/2003	1007350	0	0		299							
TECK03	1007351	7/18/2003	1007351	0	0		2,440							
TECK03	1007352	7/18/2003	1007352	0	0		452							
TECK03	1007353	7/18/2003	1007353	0	0		512							
TECK03	1007354	7/18/2003	1007354	0	0		886							
TECK03	1007360	7/18/2003	1007360	0	0		1,960							
TECK03	1007362	7/18/2003	1007362	0	0		4,140							
TECK03	1007367	7/18/2003	1007367	0	0		879							
TECK03	1007370	7/19/2003	1007370	0	0		407							
TECK03	1007377	7/19/2003	1007377	0	0		1,480							
TECK03	1007387	7/20/2003	1007387	0	0		677							
TECK03	1007390	7/20/2003	1007390	0	0		523							
TECK03	1007391	7/20/2003	1007391	0	0		939							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
TECK03	1007393	7/20/2003	1007393	0	0		749							
TECK03	1007394	7/20/2003	1007394	0	0		1,150							
TECK03	1007397	7/20/2003	1007397	0	0		666							
TECK03	1007398	7/20/2003	1007398	0	0		563							
TECK03	1007400	7/18/2003	1007400	0	0		393							
TECK03	1007406	7/18/2003	1007406	0	0		2,970							
TECK03	1007413	7/18/2003	1007413	0	0		1,680							
TECK03	1007419	7/19/2003	1007419	0	0		250							
TECK03	1007422	7/19/2003	1007422	0	0		1,010							
TECK03	1007430	7/19/2003	1007430	0	0		1,370							
TECK03	1007439	7/20/2003	1007439	0	0		506							
TECK03	1007441	7/20/2003	1007441	0	0		1,610							
TECK03	1007442	7/20/2003	1007442	0	0		752							
TECK03	1007445	7/20/2003	1007445	0	0		745							
TECK03	1007448	7/20/2003	1007448	0	0		770							
TECK03	1007449	7/20/2003	1007449	0	0		1,710							
TECK03	1007450	7/20/2003	1007450	0	0		2,540							
TECK03	1007451	7/20/2003	1007451	0	0		1,940							
TECK03	1007452	7/20/2003	1007452	0	0		1,020							
TECK03	1007458	7/20/2003	1007458	0	0		4,790							
TECK03	1007462	7/21/2003	1007462	0	0		1,210							
TECK03	1007463	7/21/2003	1007463	0	0		970							
TECK03	1007465	7/21/2003	1007465	0	0		1,420							
TECK03	1007467	7/21/2003	1007467	0	0		3,290							
TECK03	1007468	7/21/2003	1007468	0	0		48,300							
TECK03	1007469	7/21/2003	1007469	0	0		617							
TECK03	1007473	7/22/2003	1007473	0	0		1,050							
TECK03	1007474	7/22/2003	1007474	0	0		744							
TECK03	1007475	7/22/2003	1007475	0	0		1,840							
TECK03	1007476	7/22/2003	1007476	0	0		1,550							
TECK03	1007490	7/23/2003	1007490	0	0		1,570							
TECK03	1007491	7/23/2003	1007491	0	0		1,430							
TECK03	1007492	7/23/2003	1007492	0	0		1,190							
TECK03	1007499	7/20/2003	1007499	0	0		4,460							
TECK03	1007500	7/20/2003	1007500	0	0		8,160							
TECK03	1007502	7/21/2003	1007502	0	0		1,400							
TECK03	1007510	7/21/2003	1007510	0	0		452							
TECK03	1007514	7/22/2003	1007514	0	0		143							
TECK03	1007543	7/23/2003	1007543	0	0		65							
TECK03	1007544	7/23/2003	1007544	0	0		154							
TECK03	1007545	7/24/2003	1007545	0	0		842							
TECK03	1007553	7/24/2003	1007553	0	0		126							
TECK03	1007554	7/24/2003	1007554	0	0		412							
TECK03	1007564	7/23/2003	1007564	0	0		577							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
TECK03	1007566	7/23/2003	1007566	0	0		764							
TECK03	1007569	7/23/2003	1007569	0	0		353							
TECK03	1007579	7/24/2003	1007579	0	0		949							
TECK03	1007582	7/24/2003	1007582	0	0		502							
TECK03	1007583	7/24/2003	1007583	0	0		745							
TECK03	1007584	7/24/2003	1007584	0	0		563							
TECK03	1007585	7/24/2003	1007585	0	0		43							
TECK03	1007591	7/24/2003	1007591	0	0		212							
TECK03	1007617	7/26/2003	1007617	0	0		12 *U*							
TECK03	1007618	7/26/2003	1007618	0	0		11 *U*							
TECK03	1007619	7/26/2003	1007619	0	0		27							
TECK03	1007626	7/27/2003	1007626	0	0		54							
TECK03	1007627	7/27/2003	1007627	0	0		325							
TECK03	1007648	7/28/2003	1007648	0	0		88							
TECK03	1007650	7/28/2003	1007650	0	0		252							
TECK03	1007652	7/26/2003	1007652	0	0		39							
TECK03	1007659	7/27/2003	1007659	0	0		163							
TECK03	1007661	7/27/2003	1007661	0	0		185							
TECK03	1007664	7/27/2003	1007664	0	0		39							
TECK03	1007673	7/28/2003	1007673	0	0		106							
TECK03	1007678	7/28/2003	1007678	0	0		11 *U*							
TECK03	1007682	7/28/2003	1007682	0	0		45							
TECK03	1007683	7/28/2003	1007683	0	0		41							
TECK03	1007684	7/28/2003	1007684	0	0		167							
TECK03	1007685	7/28/2003	1007685	0	0		110							
TECK03	1007687	7/28/2003	1007687	0	0		105							
TECK03	1007688	7/28/2003	1007688	0	0		857							
TECK03	1007701	7/28/2003	1007701	0	0		46							
TECK03	1007702	7/28/2003	1007702	0	0		11 *U*							
TECK03	1007703	7/28/2003	1007703	0	0		19							
TECK03	1007704	7/28/2003	1007704	0	0		33							
TECK03	1007705	7/28/2003	1007705	0	0		102							
TECK03	1007901	7/19/2003	1007901	0	0		1,670							
TECK03	1007904	7/21/2003	1007904	0	0		1,120							
TECK03	1007911	7/28/2003	1007911	0	0		40							
TECK03	1007912	7/28/2003	1007912	0	0		192							
TECK03	1007916	7/28/2003	1007916	0	0		29							
TECK03	1007966	9/3/2003	1007966	0	0		923							
TECK03	1007980	9/7/2003	1007980	0	0		448							
TECK03	1007983	9/16/2003	1007983	0	0		48							
TECK03	1007990	9/11/2003	1007990	0	0		108							
TECK03	1007991	9/11/2003	1007991	0	0		71							
TECK03	1007992	9/11/2003	1007992	0	0		512							
TECK03	1007993	9/11/2003	1007993	0	0		236							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
TECK03	1007995	9/11/2003	1007995	0	0		105							
TECK03	1007996	9/11/2003	1007996	0	0		1,570							
TECK03	1007997	9/11/2003	1007997	0	0		146							
TECK03	1007998	9/11/2003	1007998	0	0		33							
TECK03	1008242	9/3/2003	1008242	0	0		2,660							
TECK03	1008244	9/3/2003	1008244	0	0		924							
TECK03	1008246	9/3/2003	1008246	0	0		1,160							
TECK03	1008247	9/3/2003	1008247	0	0		1,600							
TECK03	1008249	9/3/2003	1008249	0	0		1,010							
TECK03	1008250	9/3/2003	1008250	0	0		1,520							
TECK03	1008253	9/3/2003	1008253	0	0		862							
TECK03	1008255	9/3/2003	1008255	0	0		1,070							
TECK03	1008257	9/3/2003	1008257	0	0		711							
TECK03	1008258	9/3/2003	1008258	0	0		655							
TECK03	1008260	9/3/2003	1008260	0	0		968							
TECK03	1008262	9/3/2003	1008262	0	0		1,850							
TECK03	1008263	9/3/2003	1008263	0	0		747							
TECK03	1008265	9/4/2003	1008265	0	0		1,690							
TECK03	1008279	9/4/2003	1008279	0	0		180							
TECK03	1008287	9/4/2003	1008287	0	0		550							
TECK03	1008317	9/7/2003	1008317	0	0		1,090							
TECK03	1008318	9/7/2003	1008318	0	0		695							
TECK03	1008341	9/9/2003	1008341	0	0		766							
TECK03	1008346	9/10/2003	1008346	0	0		486							
TECK03	1008347	9/10/2003	1008347	0	0		718							
TECK03	1008357	9/7/2009	1008357	0	0		285							
TECK03	1008362	9/7/2009	1008362	0	0		689							
TECK03	1008363	9/7/2009	1008363	0	0		1,280							
TECK03	1008364	9/7/2009	1008364	0	0		1,100							
TECK03	1008370	9/7/2009	1008370	0	0		769							
TECK03	1008374	9/7/2009	1008374	0	0		748							
TECK03	1008375	9/7/2009	1008375	0	0		723							
TECK03	1008376	9/7/2009	1008376	0	0		1,980							
TECK03	1008396	9/8/2009	1008396	0	0		86							
SUPPRSS	101_A	7/17/2002	RS-101A-VS	0	0		11 *U*							
SUPPRSS	101_B	7/17/2002	RS-101B-VS	0	0		11 *U*							
SUPPRSS	101_C	7/17/2002	RS-101C-VS	0	0		11 *U*							
PSCHAR	106_A1	6/17/2002	RF-106A	0	0		2,430							
PSCHAR	107_A1	6/17/2002	RF-107A	0	0		2,690							
PSCHAR	108_A1	6/17/2002	RF-108A	0	0		2,070							
PSCHAR	109_A1	6/17/2002	RF-109A	0	0		1,510							
PSCHAR	110_A1	6/17/2002	RF-110A	0	0		2,520							
PSCHAR	111_A1	6/17/2002	RF-111A	0	0		2,370							
PSCHAR	112_A1	6/17/2002	RF-112A	0	0		1,490							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	113_A1	6/17/2002	RF-113A	0	0	19,300	1,680	427		1 *U*	28.1	10 *U*	1 *U*	
PSCHAR	115_A1	6/17/2002	RF-115-A	0	0		913							
PSCHAR	116_A1	6/17/2002	RF-116-A	0	0		996							
PSCHAR	122_A1	6/17/2002	RF-122-A	0	0	17,200	978	411		1 *U*	25.4	10 *U*	1 *U*	
PSCHAR	123_A1	6/17/2002	RF-123-A	1	0		943							
PSCHAR	123_A1	6/17/2002	RF-123-A	2	0		1,000							
SUPPRSS	145_A	5/31/2002	RC-145-A	0	0		509							
SUPPRSS	145_A	6/1/2002	RS-145-A	0	0	24,000	910	400		5.10 *U*	25.8	51.0 *U*	5.10 *U*	78.7
PSCHAR	145_A1	6/1/2002	RF-145-A	0	0		1,120							
PSCHAR	148_A1	6/1/2002	RF-148-A	0	0		1,970							
PSCHAR	149_C1	6/1/2002	RF-149-C	0	0		1,220							
PSCHAR	150_A1	6/1/2002	RF-150-A	0	0		1,210							
PSCHAR	150_C1	6/3/2002	RF-150-C	0	0	27,000	1,380	677		5.0 *U*	30.9	50 *U*	5.0 *U*	60.4
PSCHAR	153_A1	6/3/2002	RF-153-A	0	0		1,370							
PSCHAR	153_C1	6/3/2002	RF-153-C	0	0		1,310							
PSCHAR	154_C1	6/3/2002	RF-154-C	0	0		1,090							
PSCHAR	155_C1	6/3/2002	RF-155-C	0	0		1,380							
PSCHAR	156_C1	6/3/2002	RF-156-C	1	0		1,470							
PSCHAR	156_C1	6/3/2002	RF-156-C	2	0	19,200	1,300	460		5.00 *U*	21	50.0 *U*	5.00 *U*	57
PSCHAR	157_A1	6/3/2002	RF-157-A	0	0	23,100	1,460	377		5.05 *U*	28.4	50.5 *U*	5.05 *U*	76.2
PSCHAR	159_C1	6/3/2002	RF-159-C	0	0		1,330							
PSCHAR	160_C1	6/3/2002	RF-160-C	0	0		1,680							
PSCHAR	165_C1	6/4/2002	RF-165-C	0	0	19,700	1,800	633		5.0 *U*	22.1	50 *U*	5.0 *U*	65.4
PSCHAR	169_A1	6/4/2002	RF-169-A	0	0	19,500	2,820	380		1.00 *U*	26.3	10.0 *U*	3.05	
PSCHAR	170_C1	6/4/2002	RF-170-C	0	0	22,800	1,140	1,000		1.05 *U*	32.4	10.5 *U*	1.05 *U*	
PSCHAR	171_A1	6/4/2002	RF-171-A	1	0		2,320							
PSCHAR	171_A1	6/4/2002	RF-171-A	2	0		2,370							
PSCHAR	171_C1	6/4/2002	RF-171-C	0	0		1,870							
PSCHAR	175_A1	6/5/2002	RF-175-A	0	0		4,320							
PSCHAR	176_C1	6/5/2002	RF-176-C	0	0		2,630							
PSCHAR	178_A1	6/5/2002	RF-178-A	0	0	23,000	4,520	478		1.05 *U*	27.8	10.5 *U*	5.10	
PSCHAR	178_C1	6/5/2002	RF-178-C	0	0		3,210							
PSCHAR	179_C1	6/5/2002	RF-179-C	0	0		3,640							
PSCHAR	180_C1	6/5/2002	RF-180-C	0	0	17,600	4,110	368		1.00 *U*	24.2	10.0 *U*	5.00	
PSCHAR	189_A1	6/7/2002	RF-189-A	0	0		1,050							
PSCHAR	189_C1	6/7/2002	RF-189-C	0	0	22,200	2,860	527		1.00 *U*	30.5	10.0 *U*	2.40	
PSCHAR	190_C1	6/7/2002	RF-190-C	0	0		1,850							
PSCHAR	191_C1	6/7/2002	RF-191-C	0	0	22,600	1,510	485		1.00 *U*	29.0	10.0 *U*	1.00 *U*	
PSCHAR	192_C1	6/7/2002	RF-192-C	0	0		1,250							
PSCHAR	216_A1	6/9/2002	RF-216A	0	0	24,900	339	489		1 *U*	29.8	10 *U*	1 *U*	65.3
PSCHAR	220_C1	6/9/2002	RF-220C	0	0		279							
PSCHAR	222_C1	6/9/2002	RF-222C	0	0	31,800	579	467		1 *U*	33.7	10 *U*	1 *U*	50.4
TECK03	471204	6/6/2003	471204	0	0		360							
TECK03	471210	6/6/2003	471210	0	0		138							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
TECK03	471212	6/6/2003	471212	0	0		798							
TECK03	471221	6/7/2003	471221	0	0		8,790							
TECK03	471264	6/6/2003	471264	0	0		408							
TECK03	471272	6/6/2003	471272	0	0		356							
TECK03	471274	6/6/2003	471274	0	0		310							
TECK03	471276	6/6/2003	471276	0	0		72							
TECK03	471283	6/7/2003	471283	0	0		174							
TECK03	471287	6/7/2003	471287	0	0		53							
TECK03	471293	6/7/2003	471293	0	0		1,130							
TECK03	471295	6/7/2003	471295	0	0		2,640							
TECK03	471297	6/7/2003	471297	0	0		1,170							
TECK03	471299	6/7/2003	471299	0	0		686							
TECK03	471300	6/6/2003	471300	0	0		257							
TECK03	471320	6/10/2003	471320	0	0		4,950							
TECK03	471325	6/10/2003	471325	0	0		4,140							
TECK03	471332	6/10/2003	471332	0	0		1,230							
TECK03	471333	6/10/2003	471333	0	0		1,130							
TECK03	471334	6/10/2003	471334	0	0		585							
TECK03	471341	6/11/2003	471341	0	0		2,240							
TECK03	471350	6/13/2003	471350	0	0		666							
TECK03	471352	6/7/2003	471352	0	0		365							
TECK03	471353	6/7/2003	471353	0	0		521							
TECK03	471355	6/7/2003	471355	0	0		1,200							
TECK03	471356	6/7/2003	471356	0	0		1,400							
TECK03	471358	6/7/2003	471358	0	0		125							
TECK03	471365	6/16/2003	471365	0	0		382							
TECK03	471374	6/17/2003	471374	0	0		1,260							
TECK03	471418	6/10/2003	471418	0	0		2,280							
TECK03	471419	6/10/2003	471419	0	0		1,790							
TECK03	471420	6/10/2003	471420	0	0		714							
TECK03	471421	6/10/2003	471421	0	0		830							
TECK03	471425	6/11/2003	471425	0	0		2,330							
TECK03	471453	6/14/2003	471453	0	0		1,480							
TECK03	471457	6/14/2003	471457	0	0		280							
TECK03	471458	6/14/2003	471458	0	0		774							
TECK03	471463	6/14/2003	471463	0	0		854							
TECK03	471464	6/14/2003	471464	0	0		2,710							
TECK03	471465	6/14/2003	471465	0	0		1,460							
TECK03	471466	6/14/2003	471466	0	0		351							
TECK03	471474	6/14/2003	471474	0	0		3,240							
TECK03	471487	6/15/2003	471487	0	0		3,140							
TECK03	471501	6/7/2003	471501	0	0		13,400							
TECK03	471505	6/10/2003	471505	0	0		2,500							
TECK03	471508	6/10/2003	471508	0	0		890							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
TECK03	471520	6/21/2003	471520	0	0		704							
TECK03	471539	7/13/2003	471539	0	0		943							
TECK03	471540	7/13/2003	471540	0	0		2,730							
TECK03	471549	7/17/2003	471549	0	0		247							
TECK03	471550	7/18/2003	471550	0	0		1,040							
PSCHAR	CAG-AA28	9/16/2002	CAG-AA28-VS	0	0		87.8 *J*							
PSCHAR	CAG-AA29	8/28/2002	CAG-AA29-VS	0	0		75.2							
PSCHAR	CAG-AA30	8/28/2002	CAG-AA30-VS	0	0		56.7							
PSCHAR	CAG-AA31	8/28/2002	CAG-AA31-VS	0	0		228							
PSCHAR	CAG-F2	7/28/2002	CAG-2-F	0	0		1,250							
PSCHAR	CAG-H30	7/3/2002	CAG-H-30	0	0	27,800	13,200 *J*							
PSCHAR	CAG-I1	7/28/2002	CAG-1-I	0	0		1,340							
PSCHAR	CAG-L33	7/3/2002	CAG-L-33	0	0		305 *J*							
PSCHAR	CAG-R2	7/1/2002	CAG-R-2-S	0	0		3,410							
PSCHAR	CAG-R32	7/21/2002	CAG-R-32	0	0		331 *J*							
PSCHAR	CAG-R34	9/19/2002	CAG-R34-VS	0	0		1,570 *J*							
PSCHAR	CAG-S34	9/19/2002	CAG-S34-VS	0	0		376 *J*							
PSCHAR	CAG-U130	7/19/2002	CAG-U-130	0	0		1,980							
PSCHAR	CAG-U29	7/3/2002	CAG-U-29	0	0	31,000	2,110 *J*							
PSCHAR	CAG-U34	7/21/2002	CAG-U-34	0	0		888 *J*							
PSCHAR	CAG-W29	7/1/2002	CAG-W-29	0	0	35,000	4,220	442		1.1 *U*	35.2	11 *U*	5.9	42.4
PSCHAR	CAG-W31	8/28/2002	CAG-W31-VS	0	0		333 *J*							
PSCHAR	CAG-X100	8/28/2002	CAG-X100-VS	0	0		70.9							
PSCHAR	CAG-X101	8/28/2002	CAG-X101-VS	0	0		227							
PSCHAR	CAG-X12	7/2/2002	CAG-X-12	0	0		266							
PSCHAR	CAG-X22	7/1/2002	CAG-X-22	0	0		479							
PSCHAR	CAG-X26	7/1/2002	CAG-X-26-A	0	0		861							
PSCHAR	CAG-X29	8/28/2002	CAG-X29-VS	0	0		437 *J*							
PSCHAR	CAG-X30	8/28/2002	CAG-X30-VS	0	0		79 *J*							
PSCHAR	CAG-X31	8/28/2002	CAG-X31-VS	0	0		1,080 *J*							
PSCHAR	CAG-X8	7/2/2002	CAG-X-8	0	0		224							
PSCHAR	CAG-Y27	7/1/2002	CAG-Y-27	0	0		1,030							
PSCHAR	CAG-Y28	8/28/2002	CAG-Y28-VS	0	0		199 *J*							
PSCHAR	CAG-Y29	9/16/2002	CAG-Y29-VS	0	0		21.3 *J*							
PSCHAR	CAG-Y30	9/16/2002	CAG-Y30-VS	0	0		23.0 *J*							
PSCHAR	CAG-Y31	8/28/2002	CAG-Y31-VS	0	0		1,130 *J*							
PSCHAR	CAG-Y32	8/28/2002	CAG-Y32-VS	0	0		220 *J*							
PSCHAR	CAG-Y33	8/28/2002	CAG-Y33-VS	0	0		51.4 *J*							
PSCHAR	CAG-Z27	8/28/2002	CAG-Z27-VS	0	0		532 *J*							
PSCHAR	CAG-Z28	8/28/2002	CAG-Z28-VS	0	0		327 *J*							
PSCHAR	CAG-Z29	8/28/2002	CAG-Z29-VS	0	0		25.6 *J*							
PSCHAR	CAG-Z30	8/28/2002	CAG-Z30-VS	0	0		59.5 *J*							
PSCHAR	CAG-Z31	8/28/2002	CAG-Z31-VS	0	0		40.9 *J*							
PSCHAR	CAG-Z32	8/28/2002	CAG-Z32-VS	0	0		587 *J*							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	CAG-Z33	8/28/2002	CAG-Z33-VS	0	0		765 *J*							
PSCHAR	CAG-Z7S	7/1/2002	CAG-Z-7-S	0	0		125							
PSCHAR	CIT1250N	6/29/2002	C1T1-250-N	2	0		92.6							
PSCHAR	CVT1-0N	6/29/2002	CVT1-0-N	0	0		294							
PSCHAR	CVT1-0S	6/29/2002	CVT1-0-S	0	0		822							
PSCHAR	CVT1-10N	6/29/2002	CVT1-10-N	0	0		3,530							
PSCHAR	CVT1-10S	6/29/2002	CVT1-10-S	0	0		1,640							
PSCHAR	CVT2-0N	6/30/2002	CVT2-0-N	1	0		86.5							
PSCHAR	CVT2-0N	6/30/2002	CVT2-0-N	2	0		95.6 *J*							
PSCHAR	CVT2-0S	6/30/2002	CVT2-0-S	0	0		190							
PSCHAR	CVT3-0N	6/30/2002	CVT3-0-N	0	0	31,000	132	318		1.60	55.8	10.0 *U*	1.00 *U*	
PSCHAR	CVT3-0S	6/30/2002	CVT3-0-S	0	0		146							
PSCHAR	CVT4-0N	6/30/2002	CVT4-0-N	0	0		87.7							
PSCHAR	CVT4-0S	6/30/2002	CVT4-0-S	0	0		74.4							
PSCHAR	CVT5-0N	6/30/2002	CVT5-0-N	1	0		108							
PSCHAR	CVT5-0N	6/30/2002	CVT5-0-N	2	0		145 *J*							
PSCHAR	CVT5-0S	6/30/2002	CVT5-0-S	0	0		46.0							
PSCHAR	CVT6-0N	6/30/2002	CVT6-0-N	0	0		251							
PSCHAR	CVT6-0S	6/30/2002	CVT6-0-S	0	0		503							
PSCHAR	CVT6-10S	6/30/2002	CVT6-10-S	0	0		226							
PSCHAR	CVT7-0N	7/3/2002	CVT7-0-N	0	0		226							
PSCHAR	CVT7-0S	7/3/2002	CVT7-0-S	0	0		414							
PSCHAR	CVT7-10S	7/3/2002	CVT7-10-S	1	0		431							
PSCHAR	CVT7-10S	7/3/2002	CVT7-10-S	2	0		193							
PSCHAR	CVT8-0N	7/3/2002	CVT8-0-N	0	0		1,030							
PSCHAR	CVT8250N	7/3/2002	CVT8-250-N	0	0		106							
PSCHAR	CVT9-0N	7/3/2002	CVT9-0-N	0	0		2,200							
PSCHAR	CVT9-50N	7/3/2002	CVT9-50N	0	0		36.4							
PSCHAR	CVT9150S	7/3/2002	CVT9-150-S	0	0		462							
PSCHAR	CVT9300S	7/3/2002	CVT9-300-S	0	0		74.5							
PSCHAR	CVT9500N	7/3/2002	CVT9-500-N	0	0		51.2							
PSCHAR	DSP-A6	6/23/2002	DSP-A-6	0	0		117							
PSCHAR	DSP-AA2	6/23/2002	DSP-AA-2	0	0		58.6							
PSCHAR	DSP-B1	6/23/2002	DSP-B-1	0	0		1,060							
PSCHAR	DSP-B1	7/25/2002	V2-DSP-B-1	0	0		259							
PSCHAR	DSP-B4	6/25/2002	DSP-B-4	0	0		482							
PSCHAR	DSP-B9	9/19/2002	DSP-B9-VS	0	0		250 *J*							
PSCHAR	DSP-C3	6/23/2002	DSP-C-3	0	0		465							
PSCHAR	DSP-D4	6/23/2002	DSP-D-4	0	0		22,600							
PSCHAR	DSP-D4	9/19/2002	DSP-D4-VS	0	0		1,240 *J*							
PSCHAR	DSP-F6	6/23/2002	DSP-F-6	0	0		543							
PSCHAR	DSP-G6	6/23/2002	DSP-G-6	0	0		1,540							
PSCHAR	DSP-G6	9/19/2002	DSP-G6-VS	0	0		590 *J*							
PSCHAR	DSP-HG5B	7/26/2002	DSP-HG-5-B	0	0		95.8 *J*							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	DSP-IH5A	7/26/2002	DSP-IH-5-A	1	0		320 *J*							
PSCHAR	DSP-IH5A	7/26/2002	DSP-IH-5-A	2	0		307 *J*							
PSCHAR	PG-P5S	7/28/2002	PG-P5S	0	0		8.5 *U*							
PSCHAR	RAT1-0EA	6/27/2002	RAT1-OE-A	0	0		455							
PSCHAR	RAT2-50W	7/2/2002	RAT2-50-W	1	0	25,400	473							
PSCHAR	RAT2-50W	7/2/2002	RAT2-50-W	2	0		533							
PSCHAR	RAT2250E	6/27/2002	RAT2-250E	2	0		21.3							
PSCHAR	RAT3-0EA	6/27/2002	RAT3-OEA	0	0		414							
PSCHAR	RAT4-0W	7/2/2002	RAT4-0-W	0	0		345							
PSCHAR	RAT5-0NA	6/27/2002	RAT5-0NA	0	0	16,300	5,090	377		2.7	22.6	13 *U*	8.3	
PSCHAR	RAT5-0W	7/2/2002	RAT5-0-W	0	0		1,300							
PSCHAR	RAT5-10W	7/2/2002	RAT5-10-W	0	0		161							
FUGDST01	RC-01-A	8/22/2001	RC-01-A	0	0		53.3							
FUGDST01	RC-03-A	8/23/2001	RC-03-A	0	0		13.5							
FUGDST01	RC-04-A	8/23/2001	RC-04-A	0	0		15.3							
FUGDST01	RC-05-A	8/23/2001	RC-05-A	0	0		122							
FUGDST01	RC-06-A	8/23/2001	RC-06-A	0	0	26,600	80.4	970		2	56.8		1.0 *U*	
FUGDST01	RC-07-A	8/23/2001	RC-07-A	0	0		88.0							
FUGDST01	RC-08-A	8/24/2001	RC-08-A	0	0		23.7							
FUGDST01	RC-09-A	8/24/2001	RC-09-A	0	0		96.4							
FUGDST01	RF-01	8/26/2001	RF-01	0	0	25,100	301	373		1.1 *U*	24.7		1.1 *U*	
FUGDST01	RF-02	8/25/2001	RF-02	0	0	25,000	299	500		1.1 *U*	26.3		1.1 *U*	
FUGDST01	RF-03	8/25/2001	RF-03	0	0	10,500	116	376		1.1 *U*	17.3		1.1 *U*	
FUGDST01	RF-04	8/26/2001	RF-04	1	0	5,010	146	300		1.2 *U*	16.3		1.2 *U*	
FUGDST01	RF-04	8/26/2001	RF-04	2	0	5,910	182	345		1.2 *U*	20.3		1.2 *U*	
FUGDST01	RF-05	8/26/2001	RF-05	0	0	27,600	180	947		1 *U*	56		1 *U*	
FUGDST01	RF-06	8/26/2001	RF-06	0	0	25,000	2,440	879		1 *U*	46.8		3.5	
FUGDST01	RF-07	8/26/2001	RF-07	0	0	27,600	978	677		3.3	39.4		2.4	
FUGDST01	RF-08	8/26/2001	RF-08	0	0	16,000	421	459		0.90 *U*	21.1		0.90 *U*	
PHASE1RA	RF-10	7/14/2003	SL0009	0	0	22,700	389 *J*	548	0.300	0.490	24.0	0.500 *J*	0.660	55.2
PHASE1RA	RF-107	7/17/2003	SL0019	0	0	16,300	2,030 *J*	435	1.69	1.2 *J*	22.6	3 *J*	2.33	63.1
PHASE1RA	RF-16	7/14/2003	SL0008	0	0	32,000	144 *J*	483	0.160	0.640	37.0	0.700 *J*	0.250	90.1
PHASE1RA	RF-18	7/14/2003	SL0007	0	0	11,300	93.7 *J*	406	0.130	0.440	21.8	0.300 *J*	0.180	41.6
PHASE1RA	RF-20	7/14/2003	SL0006	0	0	6,260	84.1 *J*	403	0.130	0.350	20.1	0.400 *J*	0.170	55.7
PHASE1RA	RF-22	7/14/2003	SL0005	0	0	2,840	89.1 *J*	280	0.140	0.400	19.7	0.400 *J*	0.140	36.2
PHASE1RA	RF-24	7/14/2003	SL0004	0	0	5,670	125 *J*	389	0.160	0.490	21.6	0.400 *J*	0.230	63.5
PHASE1RA	RF-27	7/22/2003	SL0029	1	0	22,800	186	892	0.09	0.93 *J*	36.9	0.7 *J*	0.3	85
PHASE1RA	RF-27	7/22/2003	SL0029	2	0	22,700	185	783	0.1	0.92 *J*	31.4	0.7 *J*	0.34	83.6
PHASE1RA	RF-32	7/14/2003	SL0003	0	0	18,400	506 *J*	673	0.430	2.04	27.1	1.30	0.890	79.7
PHASE1RA	RF-34	7/21/2003	SL0026	0	0	20,600	387	583	0.24	1.09 *J*	20.8	0.9 *J*	0.61	86.3
PHASE1RA	RF-4	7/14/2003	SL0010	0	0	15,300	2,040 *J*	363	1.25	0.710	18.7	2.00	2.42	48.1
PHASE1RA	RF-5	7/14/2003	SL0011	1	0	26,400	888 *J*	566	0.600	0.700	30.9	1.30	1.26	69.1
PHASE1RA	RF-5	7/14/2003	SL0011	2	0	25,500	80.8 *J*	470	0.620	0.670	30.7	1.00 *J*	1.09	59.8
FUGDST01	RF-PORT	8/26/2001	RF-PORT	0	0	24,100	1,060	367		1.2 *U*	29.9		2.0	

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	ROT1-0N	7/3/2002	ROT1-0N	0	0		671							
PSCHAR	ROT5-10S	7/5/2002	ROT5-10-S	1	0		110							
PSCHAR	ROT5-10S	7/5/2002	ROT5-10-S	2	0		200 *J*							
PSCHAR	ROT5-50S	7/5/2002	ROT5-50-S	0	0		584							
PSCHAR	ROT5250S	7/5/2002	ROT5-250-S	0	0		37.7							
PSCHAR	ROT5500S	7/5/2002	ROT5-500-S	0	0		32.8							
PSCHAR	ROT6-10S	7/5/2002	ROT610S	0	0	25,000	617							
PSCHAR	ROT6-50S	7/5/2002	ROT650S	0	0		1,060							
PSCHAR	ROT6250S	7/5/2002	ROT6250S	0	0		105							
PSCHAR	ROT6500S	7/5/2002	ROT6-500-S	1	0		81.0							
PSCHAR	ROT6500S	7/5/2002	ROT6-500-S	2	0		32.7 *J*							
PSCHAR	ROT7-0S	7/5/2002	ROT7-0-S	0	0		4,400							
PSCHAR	ROT7-10S	7/5/2002	ROT710S	0	0		168							
PSCHAR	ROT8-0S	7/5/2002	ROT8-OS	0	0	17,400	1,190							
PSCHAR	ROT8-10S	7/5/2002	ROT8-10-S	0	0		1,280							
PSCHAR	ROT8-50S	7/5/2002	ROT8-50-S	0	0		543							
PSCHAR	ROT8250S	7/5/2002	ROT8-250-S	0	0		33.8							
PSCHAR	ROT9-0N	7/3/2002	ROT9-0N	0	0		1,140							
PSCHAR	ROT9-0S	7/5/2002	ROT9-OS	1	0		1,340							
PSCHAR	ROT9-0S	7/5/2002	ROT9-OS	2	0		1,020 *J*							
PSCHAR	ROT9-10N	7/5/2002	ROT9-10N	0	0		2,070							
PSCHAR	ROT9-10S	7/5/2002	ROT9-10-S	0	0		3,510							
FUGDST01	RS-01	8/24/2001	RS-01	0	0		875							
FUGDST01	RS-13	8/25/2001	RS-13	1	0		127							
FUGDST01	RS-13	8/25/2001	RS-13	2	0		112							
FUGDST01	RS-14	8/25/2001	RS-14	0	0		66.3							
FUGDST01	RS-15	8/25/2001	RS-15	0	0		69.9							
FUGDST01	RS-16	8/25/2001	RS-16	0	0		59.6							
FUGDST01	RS-17	8/25/2001	RS-17	0	0		159							
FUGDST01	RS-18	8/25/2001	RS-18	0	0		86.6							
FUGDST01	RS-19	8/25/2001	RS-19	0	0	11,000	74.1							
FUGDST01	RS-20	8/25/2001	RS-20	0	0		75.4							
FUGDST01	RS-21	8/25/2001	RS-21	0	0		30.3							
FUGDST01	RS-22	8/26/2001	RS-22	0	0	2,650	49.3							
FUGDST01	RS-23	8/26/2001	RS-23	0	0		73.9							
FUGDST01	RS-24	8/26/2001	RS-24	0	0		144							
FUGDST01	RS-25	8/26/2001	RS-25	0	0	25,500	64.2							
FUGDST01	RS-26	8/26/2001	RS-26	0	0		111							
FUGDST01	RS-27	8/26/2001	RS-27	0	0		62.9							
FUGDST01	RS-28	8/26/2001	RS-28	0	0		111							
FUGDST01	RS-29	8/26/2001	RS-29	1	0	25,800	144							
FUGDST01	RS-29	8/26/2001	RS-29	2	0	22,400	134							
FUGDST01	RS-30	8/26/2001	RS-30	0	0		572							
FUGDST01	RS-31	8/26/2001	RS-31	0	0		240							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
FUGDST01	RS-32	8/26/2001	RS-32	0	0	17,700	352							
FUGDST01	RS-33	8/26/2001	RS-33	1	0		274							
FUGDST01	RS-33	8/26/2001	RS-33	2	0		253							
FUGDST01	RS-34	8/26/2001	RS-34	0	0	17,900	296							
PSCHAR	TUB-1	7/5/2002	TU-1-VS	0	0		11 *UJ*							
PSCHAR	TUB-2	7/5/2002	TU-2-VS	0	0		30.8 *J*							
PSCHAR	TUB-3	8/11/2002	TU-3-VS	0	0		797							
PSCHAR	TUB-4	8/11/2002	TU-4-VS	0	0		39.6							
PSCHAR	TUB-5	7/5/2002	TU-5-VS	0	0		49.4 *J*							
PSCHAR	TUF-1	7/9/2002	TUF1	0	0		11.0 *UJ*							
PSCHAR	TUF-2	7/9/2002	TUF2	0	0		11.0 *UJ*							
PSCHAR	TUF-3	7/9/2002	TUF3	0	0		10.5 *UJ*							

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
TECK03	1006938	9/16/2003	1006938	0	0				277
TECK03	1006939	9/16/2003	1006939	0	0				743
TECK03	1006940	9/11/2003	1006940	0	0				396
TECK03	1006941	9/11/2003	1006941	0	0				317
TECK03	1006944	9/11/2003	1006944	0	0				447
TECK03	1006945	9/11/2003	1006945	0	0				3,740
TECK03	1006949	9/16/2003	1006949	0	0				401
TECK03	1006952	9/11/2003	1006952	0	0				3,300
TECK03	1006956	9/11/2003	1006956	0	0				4,820
TECK03	1006959	9/11/2003	1006959	0	0				2,200
TECK03	1006960	9/11/2003	1006960	0	0				3,150
TECK03	1006968	9/12/2003	1006968	0	0				2,850
TECK03	1006969	9/12/2003	1006969	0	0				1,080
TECK03	1006973	9/10/2003	1006973	0	0				1,560
TECK03	1006977	9/9/2003	1006977	0	0				3,240
TECK03	1006990	9/10/2003	1006990	0	0				1,940
TECK03	1006991	9/10/2003	1006991	0	0				5,120
TECK03	1006992	9/10/2003	1006992	0	0				2,410
TECK03	1006993	9/10/2003	1006993	0	0				2,490
TECK03	1006994	9/10/2003	1006994	0	0				3,260
TECK03	1007000	9/10/2003	1007000	0	0				2,170
TECK03	1007036	6/21/2003	1007036	0	0				1,790
TECK03	1007038	6/21/2003	1007038	0	0				5,110
TECK03	1007040	6/21/2003	1007040	0	0				1,210
TECK03	1007045	6/21/2003	1007045	0	0				3,970
TECK03	1007055	6/19/2003	1007055	0	0				1,480
TECK03	1007069	6/21/2003	1007069	0	0				1,670
TECK03	1007088	7/13/2003	1007088	0	0				6,880
TECK03	1007089	7/13/2003	1007089	0	0				10,500
TECK03	1007090	7/13/2003	1007090	0	0				2,870
TECK03	1007091	7/13/2003	1007091	0	0				2,500
TECK03	1007092	7/13/2003	1007092	0	0				5,130
TECK03	1007093	7/13/2003	1007093	0	0				4,720
TECK03	1007094	7/13/2003	1007094	0	0				6,470
TECK03	1007095	7/13/2003	1007095	0	0				4,120
TECK03	1007097	7/13/2003	1007097	0	0				1,720
TECK03	1007098	7/13/2003	1007098	0	0				6,590
TECK03	1007128	7/13/2003	1007128	0	0				8,400
TECK03	1007133	7/13/2003	1007133	0	0				8,390
TECK03	1007135	7/13/2003	1007135	0	0				35,600
TECK03	1007136	7/13/2003	1007136	0	0				21,600
TECK03	1007150	7/14/2003	1007150	0	0				10,200
TECK03	1007160	7/13/2003	1007160	0	0				11,100
TECK03	1007164	7/13/2003	1007164	0	0				3,450

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
TECK03	1007170	7/13/2003	1007170	0	0				6,630
TECK03	1007176	7/13/2003	1007176	0	0				43,200
TECK03	1007195	7/14/2003	1007195	0	0				7,880
TECK03	1007212	7/17/2003	1007212	0	0				4,500
TECK03	1007215	7/17/2003	1007215	0	0				6,280
TECK03	1007232	7/17/2003	1007232	0	0				5,170
TECK03	1007239	7/17/2003	1007239	0	0				919
TECK03	1007242	7/18/2003	1007242	0	0				854
TECK03	1007243	7/18/2003	1007243	0	0				816
TECK03	1007244	7/18/2003	1007244	0	0				1,680
TECK03	1007245	7/18/2003	1007245	0	0				1,120
TECK03	1007246	7/18/2003	1007246	0	0				3,950
TECK03	1007247	7/18/2003	1007247	0	0				1,420
TECK03	1007248	7/18/2003	1007248	0	0				1,370
TECK03	1007249	7/18/2003	1007249	0	0				1,980
TECK03	1007274	7/16/2003	1007274	0	0				4,030
TECK03	1007278	7/15/2003	1007278	0	0				3,090
TECK03	1007281	7/15/2003	1007281	0	0				5,760
TECK03	1007290	7/15/2003	1007290	0	0				1,210
TECK03	1007299	7/16/2003	1007299	0	0				5,770
TECK03	1007314	7/17/2003	1007314	0	0				4,460
TECK03	1007326	7/16/2003	1007326	0	0				4,670
TECK03	1007333	7/17/2003	1007333	0	0				5,910
TECK03	1007340	7/18/2003	1007340	0	0				1,190
TECK03	1007341	7/18/2003	1007341	0	0				462
TECK03	1007342	7/18/2003	1007342	0	0				1,180
TECK03	1007344	7/18/2003	1007344	0	0				1,560
TECK03	1007345	7/18/2003	1007345	0	0				1,720
TECK03	1007346	7/18/2003	1007346	0	0				609
TECK03	1007347	7/18/2003	1007347	0	0				322
TECK03	1007348	7/18/2003	1007348	0	0				1,570
TECK03	1007350	7/18/2003	1007350	0	0				1,110
TECK03	1007351	7/18/2003	1007351	0	0				9,710
TECK03	1007352	7/18/2003	1007352	0	0				1,780
TECK03	1007353	7/18/2003	1007353	0	0				2,020
TECK03	1007354	7/18/2003	1007354	0	0				3,320
TECK03	1007360	7/18/2003	1007360	0	0				8,220
TECK03	1007362	7/18/2003	1007362	0	0				18,400
TECK03	1007367	7/18/2003	1007367	0	0				3,480
TECK03	1007370	7/19/2003	1007370	0	0				2,310
TECK03	1007377	7/19/2003	1007377	0	0				7,310
TECK03	1007387	7/20/2003	1007387	0	0				2,810
TECK03	1007390	7/20/2003	1007390	0	0				2,110
TECK03	1007391	7/20/2003	1007391	0	0				3,750

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
TECK03	1007393	7/20/2003	1007393	0	0				3,090
TECK03	1007394	7/20/2003	1007394	0	0				8,040
TECK03	1007397	7/20/2003	1007397	0	0				2,720
TECK03	1007398	7/20/2003	1007398	0	0				2,650
TECK03	1007400	7/18/2003	1007400	0	0				1,700
TECK03	1007406	7/18/2003	1007406	0	0				12,900
TECK03	1007413	7/18/2003	1007413	0	0				9,480
TECK03	1007419	7/19/2003	1007419	0	0				1,410
TECK03	1007422	7/19/2003	1007422	0	0				9,900
TECK03	1007430	7/19/2003	1007430	0	0				6,370
TECK03	1007439	7/20/2003	1007439	0	0				2,540
TECK03	1007441	7/20/2003	1007441	0	0				6,890
TECK03	1007442	7/20/2003	1007442	0	0				3,290
TECK03	1007445	7/20/2003	1007445	0	0				2,820
TECK03	1007448	7/20/2003	1007448	0	0				3,370
TECK03	1007449	7/20/2003	1007449	0	0				8,060
TECK03	1007450	7/20/2003	1007450	0	0				8,560
TECK03	1007451	7/20/2003	1007451	0	0				9,100
TECK03	1007452	7/20/2003	1007452	0	0				4,120
TECK03	1007458	7/20/2003	1007458	0	0				21,500
TECK03	1007462	7/21/2003	1007462	0	0				4,610
TECK03	1007463	7/21/2003	1007463	0	0				3,810
TECK03	1007465	7/21/2003	1007465	0	0				4,090
TECK03	1007467	7/21/2003	1007467	0	0				8,120
TECK03	1007468	7/21/2003	1007468	0	0				17,700
TECK03	1007469	7/21/2003	1007469	0	0				1,420
TECK03	1007473	7/22/2003	1007473	0	0				1,370
TECK03	1007474	7/22/2003	1007474	0	0				3,490
TECK03	1007475	7/22/2003	1007475	0	0				7,690
TECK03	1007476	7/22/2003	1007476	0	0				6,250
TECK03	1007490	7/23/2003	1007490	0	0				6,870
TECK03	1007491	7/23/2003	1007491	0	0				4,350
TECK03	1007492	7/23/2003	1007492	0	0				7,450
TECK03	1007499	7/20/2003	1007499	0	0				11,500
TECK03	1007500	7/20/2003	1007500	0	0				34,700
TECK03	1007502	7/21/2003	1007502	0	0				5,290
TECK03	1007510	7/21/2003	1007510	0	0				1,440
TECK03	1007514	7/22/2003	1007514	0	0				647
TECK03	1007543	7/23/2003	1007543	0	0				548
TECK03	1007544	7/23/2003	1007544	0	0				700
TECK03	1007545	7/24/2003	1007545	0	0				1,530
TECK03	1007553	7/24/2003	1007553	0	0				457
TECK03	1007554	7/24/2003	1007554	0	0				2,320
TECK03	1007564	7/23/2003	1007564	0	0				2,260

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
TECK03	1007566	7/23/2003	1007566	0	0				2,500
TECK03	1007569	7/23/2003	1007569	0	0				1,260
TECK03	1007579	7/24/2003	1007579	0	0				3,270
TECK03	1007582	7/24/2003	1007582	0	0				1,940
TECK03	1007583	7/24/2003	1007583	0	0				3,290
TECK03	1007584	7/24/2003	1007584	0	0				2,640
TECK03	1007585	7/24/2003	1007585	0	0				232
TECK03	1007591	7/24/2003	1007591	0	0				1,100
TECK03	1007617	7/26/2003	1007617	0	0				84
TECK03	1007618	7/26/2003	1007618	0	0				95
TECK03	1007619	7/26/2003	1007619	0	0				105
TECK03	1007626	7/27/2003	1007626	0	0				274
TECK03	1007627	7/27/2003	1007627	0	0				1,350
TECK03	1007648	7/28/2003	1007648	0	0				441
TECK03	1007650	7/28/2003	1007650	0	0				1,550
TECK03	1007652	7/26/2003	1007652	0	0				156
TECK03	1007659	7/27/2003	1007659	0	0				600
TECK03	1007661	7/27/2003	1007661	0	0				883
TECK03	1007664	7/27/2003	1007664	0	0				118
TECK03	1007673	7/28/2003	1007673	0	0				415
TECK03	1007678	7/28/2003	1007678	0	0				88
TECK03	1007682	7/28/2003	1007682	0	0				151
TECK03	1007683	7/28/2003	1007683	0	0				154
TECK03	1007684	7/28/2003	1007684	0	0				774
TECK03	1007685	7/28/2003	1007685	0	0				512
TECK03	1007687	7/28/2003	1007687	0	0				614
TECK03	1007688	7/28/2003	1007688	0	0				4,390
TECK03	1007701	7/28/2003	1007701	0	0				195
TECK03	1007702	7/28/2003	1007702	0	0				102
TECK03	1007703	7/28/2003	1007703	0	0				132
TECK03	1007704	7/28/2003	1007704	0	0				220
TECK03	1007705	7/28/2003	1007705	0	0				524
TECK03	1007901	7/19/2003	1007901	0	0				7,870
TECK03	1007904	7/21/2003	1007904	0	0				4,950
TECK03	1007911	7/28/2003	1007911	0	0				163
TECK03	1007912	7/28/2003	1007912	0	0				861
TECK03	1007916	7/28/2003	1007916	0	0				148
TECK03	1007966	9/3/2003	1007966	0	0				3,770
TECK03	1007980	9/7/2003	1007980	0	0				2,370
TECK03	1007983	9/16/2003	1007983	0	0				242
TECK03	1007990	9/11/2003	1007990	0	0				599
TECK03	1007991	9/11/2003	1007991	0	0				312
TECK03	1007992	9/11/2003	1007992	0	0				2,970
TECK03	1007993	9/11/2003	1007993	0	0				1,490

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
TECK03	1007995	9/11/2003	1007995	0	0				480
TECK03	1007996	9/11/2003	1007996	0	0				5,370
TECK03	1007997	9/11/2003	1007997	0	0				744
TECK03	1007998	9/11/2003	1007998	0	0				186
TECK03	1008242	9/3/2003	1008242	0	0				11,400
TECK03	1008244	9/3/2003	1008244	0	0				4,290
TECK03	1008246	9/3/2003	1008246	0	0				5,710
TECK03	1008247	9/3/2003	1008247	0	0				6,870
TECK03	1008249	9/3/2003	1008249	0	0				5,140
TECK03	1008250	9/3/2003	1008250	0	0				5,580
TECK03	1008253	9/3/2003	1008253	0	0				4,060
TECK03	1008255	9/3/2003	1008255	0	0				4,690
TECK03	1008257	9/3/2003	1008257	0	0				3,550
TECK03	1008258	9/3/2003	1008258	0	0				3,120
TECK03	1008260	9/3/2003	1008260	0	0				4,620
TECK03	1008262	9/3/2003	1008262	0	0				2,770
TECK03	1008263	9/3/2003	1008263	0	0				3,160
TECK03	1008265	9/4/2003	1008265	0	0				7,480
TECK03	1008279	9/4/2003	1008279	0	0				965
TECK03	1008287	9/4/2003	1008287	0	0				2,810
TECK03	1008317	9/7/2003	1008317	0	0				4,680
TECK03	1008318	9/7/2003	1008318	0	0				3,460
TECK03	1008341	9/9/2003	1008341	0	0				3,820
TECK03	1008346	9/10/2003	1008346	0	0				2,570
TECK03	1008347	9/10/2003	1008347	0	0				3,210
TECK03	1008357	9/7/2009	1008357	0	0				1,280
TECK03	1008362	9/7/2009	1008362	0	0				2,910
TECK03	1008363	9/7/2009	1008363	0	0				4,770
TECK03	1008364	9/7/2009	1008364	0	0				4,540
TECK03	1008370	9/7/2009	1008370	0	0				3,460
TECK03	1008374	9/7/2009	1008374	0	0				3,590
TECK03	1008375	9/7/2009	1008375	0	0				3,430
TECK03	1008376	9/7/2009	1008376	0	0				5,610
TECK03	1008396	9/8/2009	1008396	0	0				330
SUPPRSS	101_A	7/17/2002	RS-101A-VS	0	0				65.9
SUPPRSS	101_B	7/17/2002	RS-101B-VS	0	0				39.3
SUPPRSS	101_C	7/17/2002	RS-101C-VS	0	0				37.4
PSCHAR	106_A1	6/17/2002	RF-106A	0	0				11,500
PSCHAR	107_A1	6/17/2002	RF-107A	0	0				12,800
PSCHAR	108_A1	6/17/2002	RF-108A	0	0				8,850
PSCHAR	109_A1	6/17/2002	RF-109A	0	0				7,520
PSCHAR	110_A1	6/17/2002	RF-110A	0	0				13,500
PSCHAR	111_A1	6/17/2002	RF-111A	0	0				17,800
PSCHAR	112_A1	6/17/2002	RF-112A	0	0				12,600

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	113_A1	6/17/2002	RF-113A	0	0			14.5	9,170
PSCHAR	115_A1	6/17/2002	RF-115-A	0	0				4,170
PSCHAR	116_A1	6/17/2002	RF-116-A	0	0				3,740
PSCHAR	122_A1	6/17/2002	RF-122-A	0	0			12	5,660
PSCHAR	123_A1	6/17/2002	RF-123-A	1	0				5,340
PSCHAR	123_A1	6/17/2002	RF-123-A	2	0				4,870
SUPPRSS	145_A	5/31/2002	RC-145-A	0	0				1,660
SUPPRSS	145_A	6/1/2002	RS-145-A	0	0		26 *U*	12.0	4,380 *J*
PSCHAR	145_A1	6/1/2002	RF-145-A	0	0				5,600 *J*
PSCHAR	148_A1	6/1/2002	RF-148-A	0	0				8,840 *J*
PSCHAR	149_C1	6/1/2002	RF-149-C	0	0				6,200 *J*
PSCHAR	150_A1	6/1/2002	RF-150-A	0	0				5,950 *J*
PSCHAR	150_C1	6/3/2002	RF-150-C	0	0		25 *U*	13.4	6,790 *J*
PSCHAR	153_A1	6/3/2002	RF-153-A	0	0				6,570 *J*
PSCHAR	153_C1	6/3/2002	RF-153-C	0	0				6,460 *J*
PSCHAR	154_C1	6/3/2002	RF-154-C	0	0				5,130 *J*
PSCHAR	155_C1	6/3/2002	RF-155-C	0	0				6,870 *J*
PSCHAR	156_C1	6/3/2002	RF-156-C	1	0				7,730 *J*
PSCHAR	156_C1	6/3/2002	RF-156-C	2	0		25 *U*	12.1	6,160
PSCHAR	157_A1	6/3/2002	RF-157-A	0	0		25 *U*	12.3	6,960 *J*
PSCHAR	159_C1	6/3/2002	RF-159-C	0	0				6,200 *J*
PSCHAR	160_C1	6/3/2002	RF-160-C	0	0				7,410 *J*
PSCHAR	165_C1	6/4/2002	RF-165-C	0	0		25 *U*	13	8,990
PSCHAR	169_A1	6/4/2002	RF-169-A	0	0			12.9	11,800
PSCHAR	170_C1	6/4/2002	RF-170-C	0	0			14.4	4,410
PSCHAR	171_A1	6/4/2002	RF-171-A	1	0				10,000
PSCHAR	171_A1	6/4/2002	RF-171-A	2	0				9,710
PSCHAR	171_C1	6/4/2002	RF-171-C	0	0				6,270
PSCHAR	175_A1	6/5/2002	RF-175-A	0	0				19,400
PSCHAR	176_C1	6/5/2002	RF-176-C	0	0				11,400
PSCHAR	178_A1	6/5/2002	RF-178-A	0	0			13.5	22,600
PSCHAR	178_C1	6/5/2002	RF-178-C	0	0				13,800
PSCHAR	179_C1	6/5/2002	RF-179-C	0	0				14,500
PSCHAR	180_C1	6/5/2002	RF-180-C	0	0			13.7	17,200
PSCHAR	189_A1	6/7/2002	RF-189-A	0	0				4,430
PSCHAR	189_C1	6/7/2002	RF-189-C	0	0			15.0	11,100
PSCHAR	190_C1	6/7/2002	RF-190-C	0	0				8,120
PSCHAR	191_C1	6/7/2002	RF-191-C	0	0			13.5	7,020
PSCHAR	192_C1	6/7/2002	RF-192-C	0	0				5,750
PSCHAR	216_A1	6/9/2002	RF-216A	0	0		5.0 *U*	19.4	1,780 *J*
PSCHAR	220_C1	6/9/2002	RF-220C	0	0				1,360 *J*
PSCHAR	222_C1	6/9/2002	RF-222C	0	0		5.0 *U*	20.6	3,060 *J*
TECK03	471204	6/6/2003	471204	0	0				1,210
TECK03	471210	6/6/2003	471210	0	0				460

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
TECK03	471212	6/6/2003	471212	0	0				4,180
TECK03	471221	6/7/2003	471221	0	0				23,200
TECK03	471264	6/6/2003	471264	0	0				1,570
TECK03	471272	6/6/2003	471272	0	0				1,910
TECK03	471274	6/6/2003	471274	0	0				630
TECK03	471276	6/6/2003	471276	0	0				215
TECK03	471283	6/7/2003	471283	0	0				243
TECK03	471287	6/7/2003	471287	0	0				201
TECK03	471293	6/7/2003	471293	0	0				5,080
TECK03	471295	6/7/2003	471295	0	0				7,300
TECK03	471297	6/7/2003	471297	0	0				3,420
TECK03	471299	6/7/2003	471299	0	0				2,880
TECK03	471300	6/6/2003	471300	0	0				938
TECK03	471320	6/10/2003	471320	0	0				16,800
TECK03	471325	6/10/2003	471325	0	0				4,150
TECK03	471332	6/10/2003	471332	0	0				8,810
TECK03	471333	6/10/2003	471333	0	0				7,370
TECK03	471334	6/10/2003	471334	0	0				2,720
TECK03	471341	6/11/2003	471341	0	0				10,900
TECK03	471350	6/13/2003	471350	0	0				3,580
TECK03	471352	6/7/2003	471352	0	0				1,610
TECK03	471353	6/7/2003	471353	0	0				2,640
TECK03	471355	6/7/2003	471355	0	0				5,440
TECK03	471356	6/7/2003	471356	0	0				4,030
TECK03	471358	6/7/2003	471358	0	0				307
TECK03	471365	6/16/2003	471365	0	0				1,540
TECK03	471374	6/17/2003	471374	0	0				3,860
TECK03	471418	6/10/2003	471418	0	0				5,290
TECK03	471419	6/10/2003	471419	0	0				4,180
TECK03	471420	6/10/2003	471420	0	0				3,840
TECK03	471421	6/10/2003	471421	0	0				3,690
TECK03	471425	6/11/2003	471425	0	0				8,740
TECK03	471453	6/14/2003	471453	0	0				4,440
TECK03	471457	6/14/2003	471457	0	0				999
TECK03	471458	6/14/2003	471458	0	0				3,320
TECK03	471463	6/14/2003	471463	0	0				4,430
TECK03	471464	6/14/2003	471464	0	0				16,800
TECK03	471465	6/14/2003	471465	0	0				5,530
TECK03	471466	6/14/2003	471466	0	0				1,010
TECK03	471474	6/14/2003	471474	0	0				13,900
TECK03	471487	6/15/2003	471487	0	0				11,700
TECK03	471501	6/7/2003	471501	0	0				29,600
TECK03	471505	6/10/2003	471505	0	0				7,950
TECK03	471508	6/10/2003	471508	0	0				3,840

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
TECK03	471520	6/21/2003	471520	0	0				3,230
TECK03	471539	7/13/2003	471539	0	0				8,830
TECK03	471540	7/13/2003	471540	0	0				3,590
TECK03	471549	7/17/2003	471549	0	0				987
TECK03	471550	7/18/2003	471550	0	0				4,260
PSCHAR	CAG-AA28	9/16/2002	CAG-AA28-VS	0	0				191 *J*
PSCHAR	CAG-AA29	8/28/2002	CAG-AA29-VS	0	0				275 *J*
PSCHAR	CAG-AA30	8/28/2002	CAG-AA30-VS	0	0				200 *J*
PSCHAR	CAG-AA31	8/28/2002	CAG-AA31-VS	0	0				813 *J*
PSCHAR	CAG-F2	7/28/2002	CAG-2-F	0	0				5,310
PSCHAR	CAG-H30	7/3/2002	CAG-H-30	0	0				64,300
PSCHAR	CAG-I1	7/28/2002	CAG-1-I	0	0				9,850
PSCHAR	CAG-L33	7/3/2002	CAG-L-33	0	0				1,150
PSCHAR	CAG-R2	7/1/2002	CAG-R-2-S	0	0				1,570
PSCHAR	CAG-R32	7/21/2002	CAG-R-32	0	0				1,620
PSCHAR	CAG-R34	9/19/2002	CAG-R34-VS	0	0				3,570 *J*
PSCHAR	CAG-S34	9/19/2002	CAG-S34-VS	0	0				3,810 *J*
PSCHAR	CAG-U130	7/19/2002	CAG-U-130	0	0				7,320
PSCHAR	CAG-U29	7/3/2002	CAG-U-29	0	0				4,400
PSCHAR	CAG-U34	7/21/2002	CAG-U-34	0	0				1,930
PSCHAR	CAG-W29	7/1/2002	CAG-W-29	0	0		5.0 *U*	17.6	15,400
PSCHAR	CAG-W31	8/28/2002	CAG-W31-VS	0	0				865 *J*
PSCHAR	CAG-X100	8/28/2002	CAG-X100-VS	0	0				204 *J*
PSCHAR	CAG-X101	8/28/2002	CAG-X101-VS	0	0				855 *J*
PSCHAR	CAG-X12	7/2/2002	CAG-X-12	0	0				1,140 *J*
PSCHAR	CAG-X22	7/1/2002	CAG-X-22	0	0				2,110
PSCHAR	CAG-X26	7/1/2002	CAG-X-26-A	0	0				2,090
PSCHAR	CAG-X29	8/28/2002	CAG-X29-VS	0	0				1,250 *J*
PSCHAR	CAG-X30	8/28/2002	CAG-X30-VS	0	0				306 *J*
PSCHAR	CAG-X31	8/28/2002	CAG-X31-VS	0	0				3,120 *J*
PSCHAR	CAG-X8	7/2/2002	CAG-X-8	0	0				685 *J*
PSCHAR	CAG-Y27	7/1/2002	CAG-Y-27	0	0				5,290
PSCHAR	CAG-Y28	8/28/2002	CAG-Y28-VS	0	0				679 *J*
PSCHAR	CAG-Y29	9/16/2002	CAG-Y29-VS	0	0				78.5
PSCHAR	CAG-Y30	9/16/2002	CAG-Y30-VS	0	0				87.4
PSCHAR	CAG-Y31	8/28/2002	CAG-Y31-VS	0	0				9,420 *J*
PSCHAR	CAG-Y32	8/28/2002	CAG-Y32-VS	0	0				651 *J*
PSCHAR	CAG-Y33	8/28/2002	CAG-Y33-VS	0	0				144 *J*
PSCHAR	CAG-Z27	8/28/2002	CAG-Z27-VS	0	0				2,190 *J*
PSCHAR	CAG-Z28	8/28/2002	CAG-Z28-VS	0	0				2,160 *J*
PSCHAR	CAG-Z29	8/28/2002	CAG-Z29-VS	0	0				99.9 *J*
PSCHAR	CAG-Z30	8/28/2002	CAG-Z30-VS	0	0				166 *J*
PSCHAR	CAG-Z31	8/28/2002	CAG-Z31-VS	0	0				133 *J*
PSCHAR	CAG-Z32	8/28/2002	CAG-Z32-VS	0	0				2,280 *J*

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	CAG-Z33	8/28/2002	CAG-Z33-VS	0	0				2,350 *J*
PSCHAR	CAG-Z7S	7/1/2002	CAG-Z-7-S	0	0				420
PSCHAR	CIT1250N	6/29/2002	C1T1-250-N	2	0				590
PSCHAR	CVT1-0N	6/29/2002	CVT1-0-N	0	0				960
PSCHAR	CVT1-0S	6/29/2002	CVT1-0-S	0	0				2,170
PSCHAR	CVT1-10N	6/29/2002	CVT1-10-N	0	0				5,040
PSCHAR	CVT1-10S	6/29/2002	CVT1-10-S	0	0				4,160
PSCHAR	CVT2-0N	6/30/2002	CVT2-0-N	1	0				383
PSCHAR	CVT2-0N	6/30/2002	CVT2-0-N	2	0				598
PSCHAR	CVT2-0S	6/30/2002	CVT2-0-S	0	0				825
PSCHAR	CVT3-0N	6/30/2002	CVT3-0-N	0	0			14.4	615
PSCHAR	CVT3-0S	6/30/2002	CVT3-0-S	0	0				713
PSCHAR	CVT4-0N	6/30/2002	CVT4-0-N	0	0				457
PSCHAR	CVT4-0S	6/30/2002	CVT4-0-S	0	0				363
PSCHAR	CVT5-0N	6/30/2002	CVT5-0-N	1	0				507
PSCHAR	CVT5-0N	6/30/2002	CVT5-0-N	2	0				576
PSCHAR	CVT5-0S	6/30/2002	CVT5-0-S	0	0				214
PSCHAR	CVT6-0N	6/30/2002	CVT6-0-N	0	0				1,170
PSCHAR	CVT6-0S	6/30/2002	CVT6-0-S	0	0				1,610
PSCHAR	CVT6-10S	6/30/2002	CVT6-10-S	0	0				1,060
PSCHAR	CVT7-0N	7/3/2002	CVT7-0-N	0	0				959 *J*
PSCHAR	CVT7-0S	7/3/2002	CVT7-0-S	0	0				1,480 *J*
PSCHAR	CVT7-10S	7/3/2002	CVT7-10-S	1	0				1,630 *J*
PSCHAR	CVT7-10S	7/3/2002	CVT7-10-S	2	0				1,040
PSCHAR	CVT8-0N	7/3/2002	CVT8-0-N	0	0				3,470 *J*
PSCHAR	CVT8250N	7/3/2002	CVT8-250-N	0	0				338
PSCHAR	CVT9-0N	7/3/2002	CVT9-0-N	0	0				15,000
PSCHAR	CVT9-50N	7/3/2002	CVT9-50N	0	0				202
PSCHAR	CVT9150S	7/3/2002	CVT9-150-S	0	0				916
PSCHAR	CVT9300S	7/3/2002	CVT9-300-S	0	0				262
PSCHAR	CVT9500N	7/3/2002	CVT9-500-N	0	0				236
PSCHAR	DSP-A6	6/23/2002	DSP-A-6	0	0				518
PSCHAR	DSP-AA2	6/23/2002	DSP-AA-2	0	0				264
PSCHAR	DSP-B1	6/23/2002	DSP-B-1	0	0				3,750
PSCHAR	DSP-B1	7/25/2002	V2-DSP-B-1	0	0				673
PSCHAR	DSP-B4	6/25/2002	DSP-B-4	0	0				1,070
PSCHAR	DSP-B9	9/19/2002	DSP-B9-VS	0	0				596
PSCHAR	DSP-C3	6/23/2002	DSP-C-3	0	0				1,830
PSCHAR	DSP-D4	6/23/2002	DSP-D-4	0	0				50,200
PSCHAR	DSP-D4	9/19/2002	DSP-D4-VS	0	0				3,780
PSCHAR	DSP-F6	6/23/2002	DSP-F-6	0	0				1,890
PSCHAR	DSP-G6	6/23/2002	DSP-G-6	0	0				2,910
PSCHAR	DSP-G6	9/19/2002	DSP-G6-VS	0	0				1,090
PSCHAR	DSP-HG5B	7/26/2002	DSP-HG-5-B	0	0				298

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	DSP-IH5A	7/26/2002	DSP-IH-5-A	1	0				1,550
PSCHAR	DSP-IH5A	7/26/2002	DSP-IH-5-A	2	0				1,400
PSCHAR	PG-P5S	7/28/2002	PG-P5S	0	0				81.7
PSCHAR	RAT1-0EA	6/27/2002	RAT1-OE-A	0	0				1,770
PSCHAR	RAT2-50W	7/2/2002	RAT2-50-W	1	0				2,750 *J*
PSCHAR	RAT2-50W	7/2/2002	RAT2-50-W	2	0				2,640 *J*
PSCHAR	RAT2250E	6/27/2002	RAT2-250E	2	0				76.8
PSCHAR	RAT3-0EA	6/27/2002	RAT3-OEA	0	0				1,880
PSCHAR	RAT4-0W	7/2/2002	RAT4-0-W	0	0				1,590 *J*
PSCHAR	RAT5-0NA	6/27/2002	RAT5-0NA	0	0			16.8	30,100
PSCHAR	RAT5-0W	7/2/2002	RAT5-0-W	0	0				5,220 *J*
PSCHAR	RAT5-10W	7/2/2002	RAT5-10-W	0	0				756 *J*
FUGDST01	RC-01-A	8/22/2001	RC-01-A	0	0				324
FUGDST01	RC-03-A	8/23/2001	RC-03-A	0	0				106
FUGDST01	RC-04-A	8/23/2001	RC-04-A	0	0				102
FUGDST01	RC-05-A	8/23/2001	RC-05-A	0	0				520
FUGDST01	RC-06-A	8/23/2001	RC-06-A	0	0			21.0	379
FUGDST01	RC-07-A	8/23/2001	RC-07-A	0	0				387
FUGDST01	RC-08-A	8/24/2001	RC-08-A	0	0				90.0
FUGDST01	RC-09-A	8/24/2001	RC-09-A	0	0				251
FUGDST01	RF-01	8/26/2001	RF-01	0	0		5.5 *U*	13.6	1,220
FUGDST01	RF-02	8/25/2001	RF-02	0	0			16.3	1,150
FUGDST01	RF-03	8/25/2001	RF-03	0	0			10.8	565
FUGDST01	RF-04	8/26/2001	RF-04	1	0		5.5 *U*	12.4	754
FUGDST01	RF-04	8/26/2001	RF-04	2	0		5.5 *U*	15.1	859
FUGDST01	RF-05	8/26/2001	RF-05	0	0		5.0 *U*	31.8	1,490
FUGDST01	RF-06	8/26/2001	RF-06	0	0		5.0 *U*	24	4,840
FUGDST01	RF-07	8/26/2001	RF-07	0	0		5.5 *U*	25.1	3,140
FUGDST01	RF-08	8/26/2001	RF-08	0	0		5 *U*	9.0	1,620
PHASE1RA	RF-10	7/14/2003	SL0009	0	0	0.292	3.35 *U*	11.8	1,930
PHASE1RA	RF-107	7/17/2003	SL0019	0	0	0.781	3.9 *J*	13.5	7,880
PHASE1RA	RF-16	7/14/2003	SL0008	0	0	0.278	2.25 *U*	19.0	566
PHASE1RA	RF-18	7/14/2003	SL0007	0	0	0.147	2.95 *U*	10.9	406
PHASE1RA	RF-20	7/14/2003	SL0006	0	0	0.120	2.65 *U*	8.61	430
PHASE1RA	RF-22	7/14/2003	SL0005	0	0	0.112	2.30 *U*	8.44	319
PHASE1RA	RF-24	7/14/2003	SL0004	0	0	0.197	4.45 *U*	9.94	515
PHASE1RA	RF-27	7/22/2003	SL0029	1	0	0.437	5.7 *J*	14.7	653
PHASE1RA	RF-27	7/22/2003	SL0029	2	0	0.482	7 *J*	11	815
PHASE1RA	RF-32	7/14/2003	SL0003	0	0	1.32	3.65 *U*	14.7	1,750
PHASE1RA	RF-34	7/21/2003	SL0026	0	0	0.824	2.4 *U*	11.7	1,240
PHASE1RA	RF-4	7/14/2003	SL0010	0	0	0.613	3.20 *U*	7.94	9,380
PHASE1RA	RF-5	7/14/2003	SL0011	1	0	0.462	5.20 *U*	15.7	4,070
PHASE1RA	RF-5	7/14/2003	SL0011	2	0	0.423	3.65 *U*	15.2	3,520
FUGDST01	RF-PORT	8/26/2001	RF-PORT	0	0		6.0 *U*	15.7	4,910

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	ROT1-0N	7/3/2002	ROT1-0N	0	0				2,580
PSCHAR	ROT5-10S	7/5/2002	ROT5-10-S	1	0				494
PSCHAR	ROT5-10S	7/5/2002	ROT5-10-S	2	0				670 *J*
PSCHAR	ROT5-50S	7/5/2002	ROT5-50-S	0	0				3,240
PSCHAR	ROT5250S	7/5/2002	ROT5-250-S	0	0				92.6
PSCHAR	ROT5500S	7/5/2002	ROT5-500-S	0	0				161
PSCHAR	ROT6-10S	7/5/2002	ROT610S	0	0				1,980
PSCHAR	ROT6-50S	7/5/2002	ROT650S	0	0				3,990
PSCHAR	ROT6250S	7/5/2002	ROT6250S	0	0				483
PSCHAR	ROT6500S	7/5/2002	ROT6-500-S	1	0				277
PSCHAR	ROT6500S	7/5/2002	ROT6-500-S	2	0				126 *J*
PSCHAR	ROT7-0S	7/5/2002	ROT7-0-S	0	0				16,200
PSCHAR	ROT7-10S	7/5/2002	ROT710S	0	0				742
PSCHAR	ROT8-0S	7/5/2002	ROT8-OS	0	0				4,290
PSCHAR	ROT8-10S	7/5/2002	ROT8-10-S	0	0				3,990
PSCHAR	ROT8-50S	7/5/2002	ROT8-50-S	0	0				1,700
PSCHAR	ROT8250S	7/5/2002	ROT8-250-S	0	0				146
PSCHAR	ROT9-0N	7/3/2002	ROT9-0N	0	0				5,030
PSCHAR	ROT9-0S	7/5/2002	ROT9-OS	1	0				5,910
PSCHAR	ROT9-0S	7/5/2002	ROT9-OS	2	0				4,110 *J*
PSCHAR	ROT9-10N	7/5/2002	ROT9-10N	0	0				4,360 *J*
PSCHAR	ROT9-10S	7/5/2002	ROT9-10-S	0	0				11,800
FUGDST01	RS-01	8/24/2001	RS-01	0	0				2,470
FUGDST01	RS-13	8/25/2001	RS-13	1	0				471
FUGDST01	RS-13	8/25/2001	RS-13	2	0				428
FUGDST01	RS-14	8/25/2001	RS-14	0	0				317
FUGDST01	RS-15	8/25/2001	RS-15	0	0				210
FUGDST01	RS-16	8/25/2001	RS-16	0	0				185
FUGDST01	RS-17	8/25/2001	RS-17	0	0				537
FUGDST01	RS-18	8/25/2001	RS-18	0	0				302
FUGDST01	RS-19	8/25/2001	RS-19	0	0				269
FUGDST01	RS-20	8/25/2001	RS-20	0	0				340
FUGDST01	RS-21	8/25/2001	RS-21	0	0				191
FUGDST01	RS-22	8/26/2001	RS-22	0	0				278
FUGDST01	RS-23	8/26/2001	RS-23	0	0				394
FUGDST01	RS-24	8/26/2001	RS-24	0	0				557
FUGDST01	RS-25	8/26/2001	RS-25	0	0				349
FUGDST01	RS-26	8/26/2001	RS-26	0	0				593
FUGDST01	RS-27	8/26/2001	RS-27	0	0				308
FUGDST01	RS-28	8/26/2001	RS-28	0	0				523
FUGDST01	RS-29	8/26/2001	RS-29	1	0				605
FUGDST01	RS-29	8/26/2001	RS-29	2	0				494
FUGDST01	RS-30	8/26/2001	RS-30	0	0				738
FUGDST01	RS-31	8/26/2001	RS-31	0	0				966

Table C-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
FUGDST01	RS-32	8/26/2001	RS-32	0	0				1,230
FUGDST01	RS-33	8/26/2001	RS-33	1	0				801
FUGDST01	RS-33	8/26/2001	RS-33	2	0				755
FUGDST01	RS-34	8/26/2001	RS-34	0	0				804
PSCHAR	TUB-1	7/5/2002	TU-1-VS	0	0				81
PSCHAR	TUB-2	7/5/2002	TU-2-VS	0	0				125
PSCHAR	TUB-3	8/11/2002	TU-3-VS	0	0				3,910
PSCHAR	TUB-4	8/11/2002	TU-4-VS	0	0				178
PSCHAR	TUB-5	7/5/2002	TU-5-VS	0	0				104
PSCHAR	TUF-1	7/9/2002	TUF1	0	0				109 *J*
PSCHAR	TUF-2	7/9/2002	TUF2	0	0				127 *J*
PSCHAR	TUF-3	7/9/2002	TUF3	0	0				76.2 *J*

Note: *J* - estimated
TCLP - toxicity characteristic leaching procedure
U - undetected at detection limit shown

Table C-2. Analytical results for soil samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PHASE1RA	MS-2	7/14/2003	SL0014	0	0	9,190	0.370 *J*	7.80	144	3.59 *J*	14.0	10.6	14.3	0.5 *J*
FUGDST01	MS-2-M	8/27/2001	MS-2-M	0	0	12,100		9.20		1.10				
PHASE1RA	MS-3	7/14/2003	SL0015	0	0	3,440	0.170 *J*	19.5	139	0.240 *J*	4.94	13.2	19.3	0.4 *J*
FUGDST01	MS-3-M	8/27/2001	MS-3-M	0	0	3,060		20.2		0.500 *U*				
PHASE1RA	MS-5	7/14/2003	SL0016	0	0	12,400	0.390 *J*	35.0	109	0.260 *J*	19.3	20.6	17.5	0.5 *J*
FUGDST01	MS-5-M	8/28/2001	MS-5-M	0	0	12,400		12.8		0.500 *U*				
PHASE1RA	MS-6	7/14/2003	SL0017	0	0	5,790	0.600 *J*	6.30	622	0.330 *J*	7.47	15.7	46.5	0.4 *J*
FUGDST01	MS-6-M	8/28/2001	MS-6-M	0	0	7,380		6.40		0.500 *U*				
PHASE1RA	MS-9	7/14/2003	SL0018	0	0	1,640	0.310 *J*	4.30	231	1.31 *J*	13.3	7.28	20.8	0.3 *J*
FUGDST01	MS-9-M	8/28/2001	MS-9-M	1	0	2,110		2.90		1.30				
FUGDST01	MS-9-M	8/28/2001	MS-9-M	2	0	2,340		5.40		3.30				

Table C-2. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PHASE1RA	MS-2	7/14/2003	SL0014	0	0	27,900	142 *J*	360	0.120	0.335	27.3	0.500 *J*	0.250	63.6
FUGDST01	MS-2-M	8/27/2001	MS-2-M	0	0	31,600	36.9 *J*							
PHASE1RA	MS-3	7/14/2003	SL0015	0	0	33,800	26.5 *J*	853	0.0500	0.270	23.5	0.700 *J*	0.0500	22.4
FUGDST01	MS-3-M	8/27/2001	MS-3-M	0	0	21,400	35.2 *J*							
PHASE1RA	MS-5	7/14/2003	SL0016	0	0	72,600	49.0 *J*	4,080	0.0600	0.360	43.9	1.00 *J*	0.0600	20.0
FUGDST01	MS-5-M	8/28/2001	MS-5-M	0	0	37,300	22.6 *J*							
PHASE1RA	MS-6	7/14/2003	SL0017	0	0	32,300	20.5 *J*	1,900	0.120	0.280	25.1	0.900 *J*	0.100	9.30
FUGDST01	MS-6-M	8/28/2001	MS-6-M	0	0	28,400	34.3 *J*							
PHASE1RA	MS-9	7/14/2003	SL0018	0	0	7,670	8.83 *J*	250	0.180	2.77	51.4	0.700 *J*	0.200	39.8
FUGDST01	MS-9-M	8/28/2001	MS-9-M	1	0	5,300	8.60 *J*							
FUGDST01	MS-9-M	8/28/2001	MS-9-M	2	0	6,200	8.90 *J*							

Table C-2. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PHASE1RA	MS-2	7/14/2003	SL0014	0	0	0.101	2.75 *U*	10.8	753
FUGDST01	MS-2-M	8/27/2001	MS-2-M	0	0				190
PHASE1RA	MS-3	7/14/2003	SL0015	0	0	0.236	4.40 *U*	5.62	115
FUGDST01	MS-3-M	8/27/2001	MS-3-M	0	0				101
PHASE1RA	MS-5	7/14/2003	SL0016	0	0	0.187	2.15 *U*	19.2	117
FUGDST01	MS-5-M	8/28/2001	MS-5-M	0	0				106
PHASE1RA	MS-6	7/14/2003	SL0017	0	0	0.113	2.40 *U*	8.65	72.5
FUGDST01	MS-6-M	8/28/2001	MS-6-M	0	0				87.4
PHASE1RA	MS-9	7/14/2003	SL0018	0	0	0.148	4.00 *U*	15.2	122
FUGDST01	MS-9-M	8/28/2001	MS-9-M	1	0				89.8
FUGDST01	MS-9-M	8/28/2001	MS-9-M	2	0				199

Note: *J* - estimated
U - undetected at detection limit shown

Table C-3. Analytical results for tundra soil samples (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)
PSCHAR	CAG-D33	7/3/2002	CAG-D-33	0	0	0	0					7.7 *J*		
PSCHAR	CAG-F35	7/3/2002	CAG-F-35	0	0	0	0	8,000		48.3		96.8 *J*		
PSCHAR	CAG-J35	7/3/2002	CAG-J-35	0	0	0	0	1,970		150		145 *J*		
PSCHAR	CIT1-0NA	6/29/2002	C1T1-0N-A	0	0	0	5.081301					12.2		
PSCHAR	CIT1-10N	6/29/2002	C1T1-10-N	0	0	0	0					2.60		
PSCHAR	CIT1-50N	6/29/2002	C1T1-50-N	0	0	0	0					0.800 *U*		
PSCHAR	CIT1250N	6/29/2002	C1T1-250-N	1	0	0	0					1.80		
PSCHAR	CIT1500N	6/29/2002	C1T1-500-N	0	0	0	0					2.80		
PSCHAR	CIT2-0NA	6/29/2002	C1T2-0N-A	0	0	0	12.70325					75.0		
PSCHAR	CIT2-10N	6/29/2002	C1T2-10-N	0	0	0	0	2,760	25.8	20.0 *U*	499	58.5	19.0	9.40
PSCHAR	CIT2-50N	6/29/2002	C1T2-50-N	0	0	0	0					43.9		
PSCHAR	CIT2250N	6/29/2002	C1T2-250-N	0	0	0	0					0.550 *U*		
PSCHAR	CIT2500N	6/29/2002	C1T2-500-N	0	0	0	0					0.600 *U*		
PSCHAR	CIT3-0NA	6/29/2002	C1T3-0N-A	0	0	0	10.1626					9.80		
PSCHAR	CIT3-10N	6/29/2002	C1T3-10-N	1	0	0	0					0.550 *U*		
PSCHAR	CIT3-10N	6/29/2002	C1T3-10-N	2	0	0	0					0.650 *U*		
PSCHAR	CIT3-50N	6/29/2002	C1T3-50-N	0	0	0	0					0.550 *U*		
PSCHAR	CIT3250N	6/29/2002	C1T3-250-N	0	0	0	0					0.550 *U*		
PSCHAR	CIT3500N	6/29/2002	C1T3-500-N	0	0	0	0					0.550 *U*		
PSCHAR	CIT4-0WA	6/29/2002	C1T4-OW-A	0	0	0	0					0.500 *U*		
PSCHAR	CIT4-10W	6/29/2002	C1T4-10-W	0	0	0	0					0.550 *U*		
PSCHAR	CIT4-50W	6/29/2002	C1T4-50-W	0	0	0	0					0.550 *U*		
PSCHAR	CIT4250W	6/29/2002	C1T4-250-W	0	0	0	0					0.600 *U*		
PSCHAR	CIT4500W	6/29/2002	C1T4-500-W	0	0	0	0	12,900	6.00 *U*	11.5 *U*	499	0.95	22.8	11.2
PSCHAR	CVT1-50S	6/29/2002	CVT1-50-S	0	0	0	0					10.2		
PSCHAR	CVT1250N	6/29/2002	CVT1-250-N	1	0	0	0					0.500 *U*		
PSCHAR	CVT1250N	6/29/2002	CVT1-250-N	2	0	0	0					0.650 *U*		
PSCHAR	CVT1500N	6/29/2002	CVT1-500-N	0	0	0	0					0.550 *U*		
PSCHAR	CVT2-10N	6/30/2002	CVT2-10-N	0	0	0	0					3.70		
PSCHAR	CVT2-10S	6/30/2002	CVT2-10-S	0	0	0	0					51.8		
PSCHAR	CVT2-50N	6/30/2002	CVT2-50-N	0	0	0	0					1.80		
PSCHAR	CVT2-50S	6/30/2002	CVT2-50-S	0	0	0	0					5.30		
PSCHAR	CVT2250N	6/30/2002	CVT2-250-N	0	0	0	0	18,900	5.00 *U*	23.8	438	5.10	33.2	27.5
PSCHAR	CVT2500N	6/30/2002	CVT2-500-N	0	0	0	0					1.90		
PSCHAR	CVT3-10N	6/30/2002	CVT3-10-N	0	0	0	0	10,200	5.00 *U*	10.5 *U*	675	104	22.0	16.0
PSCHAR	CVT3-10S	6/30/2002	CVT3-10-S	0	0	0	0					0.900 *U*		
PSCHAR	CVT3-50N	6/30/2002	CVT3-50-N	0	0	0	0					41.0		
PSCHAR	CVT3-50S	6/30/2002	CVT3-50-S	0	0	0	0					42.3		
PSCHAR	CVT3250N	6/30/2002	CVT3-250-N	1	0	0	0	12,100	3.50 *U*	19.4	414	2.40	23.0	14.1
PSCHAR	CVT3250N	6/30/2002	CVT3-250-N	2	0	0	0	8,800	8.5 *U*	17 *U*	1,100	67.6	17.8	20.4
PSCHAR	CVT3500N	6/30/2002	CVT3-500-N	0	0	0	0					1.50		
PSCHAR	CVT4-10N	6/30/2002	CVT4-10-N	0	0	0	0					51.7 *J*		
PSCHAR	CVT4-10S	6/30/2002	CVT4-10-S	0	0	0	0					25.6 *J*		

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)
PSCHAR	CVT4-50N	6/30/2002	CVT4-50-N	0	0	0	0					36.8 *J*		
PSCHAR	CVT4-50S	6/30/2002	CVT4-50-S	0	0	0	0	4,270	9.0 *U*	18 *U*	480	48.6 *J*	11	35
PSCHAR	CVT4250N	6/30/2002	CVT4-250-N	0	0	0	0					3.90 *J*		
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	1	0	0	0					0.800 *UJ*		
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	2	0	0	0					0.850 *U*		
PSCHAR	CVT5-10N	6/30/2002	CVT5-10-N	0	0	0	0					55.4 *J*		
PSCHAR	CVT5-10S	6/30/2002	CVT5-10-S	0	0	0	0					53.8 *J*		
PSCHAR	CVT5-50N	6/30/2002	CVT5-50-N	0	0	0	0					21.4		
PSCHAR	CVT5-50S	6/30/2002	CVT5-50-S	0	0	0	0					19.8		
PSCHAR	CVT5250N	6/30/2002	CVT5-250-N	0	0	0	0	2,930	9.0 *U*	18 *U*	698	20.4 *J*	6.1	33.1
PSCHAR	CVT5500N	6/30/2002	CVT5-500-N	0	0	0	0					1.40 *J*		
PSCHAR	CVT6-10N	6/30/2002	CVT6-10-N	1	0	0	0					77.1		
PSCHAR	CVT6-10N	6/30/2002	CVT6-10-N	2	0	0	0					438		
PSCHAR	CVT6-50N	6/30/2002	CVT6-50-N	0	0	0	0					10.4		
PSCHAR	CVT6-50S	6/30/2002	CVT6-50-S	0	0	0	0					26.2		
PSCHAR	CVT6250N	6/30/2002	CVT6-250-N	0	0	0	0	819	15 *U*	29 *U*	85.6	1.45 *U*	2.9 *U*	2.9 *U*
PSCHAR	CVT6500N	6/30/2002	CVT6-500-N	0	0	0	0	1,800	15 *U*	29 *U*	140	5.50	2.9 *U*	11.6
PSCHAR	CVT7-10N	7/3/2002	CVT7-10-N	0	0	0	0					82.8 *J*		
PSCHAR	CVT7-50N	7/3/2002	CVT7-50-N	0	0	0	0					30.9 *J*		
PSCHAR	CVT7250N	7/3/2002	CVT7-250-N	0	0	0	0	4,100		25 *U*		70.5 *J*		
PSCHAR	CVT7500N	7/3/2002	CVT7-500-N	0	0	0	0					0.65 *UJ*		
PSCHAR	CVT8-10N	7/3/2002	CVT8-10-N	0	0	0	0					21.9 *J*		
PSCHAR	CVT8-50N	7/3/2002	CVT8-50-N	0	0	0	0					0.450 *U*		
PSCHAR	CVT8250S	7/3/2002	CVT8-250-S	0	0	0	0	5,100		14 *U*		0.650 *U*		
PSCHAR	CVT8500N	7/3/2002	CVT8-500-N	0	0	0	0					2.20		
PSCHAR	CVT8500S	7/3/2002	CVT8-500-S	0	0	0	0					0.500 *U*		
PSCHAR	CVT9250N	7/3/2002	CVT9-250N	0	0	0	0					0.550 *U*		
PSCHAR	PG-A1	8/23/2002	PG-A1	1	0	0	0					0.75 *U*		
PSCHAR	PG-A1	8/23/2002	PG-A1	2	0	0	0					0.75 *U*		
PSCHAR	PG-A1S	8/23/2002	PG-A1-S	0	0	0	0					0.65 *U*		
PSCHAR	PG-A3	7/27/2002	PG-A3	0	0	0	0					3.3		
PSCHAR	PG-A5	7/27/2002	PG-A5	0	0	0	0					0.5 *U*		
PSCHAR	PG-A6S	7/27/2002	PG-A6S	0	0	0	0					1.3		
PSCHAR	PG-B6	7/27/2002	PG-B6	0	0	0	0					1.1 *U*		
PSCHAR	PG-B7	7/27/2002	PG-B7	0	0	0	0					0.60 *U*		
PSCHAR	PG-B8S	7/27/2002	PG-B8-S	0	0	0	0					0.4 *U*		
PSCHAR	PG-C2	8/23/2002	PG-C2	0	0	0	0					1.3 *U*		
PSCHAR	PG-C4	8/23/2002	PG-C4	0	0	0	0					0.90 *U*		
PSCHAR	PG-C5	7/9/2002	PG-C5	0	0	0	0					1.50 *U*		
PSCHAR	PG-C6	7/27/2002	PG-C6	0	0	0	0					1.2		
PSCHAR	PG-C7	7/27/2002	PG-C7	0	0	0	0					1.3		
PSCHAR	PG-C8	7/27/2002	PG-C8	1	0	0	0					8.1		
PSCHAR	PG-C8	7/27/2002	PG-C8	2	0	0	0					7.1		

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)
PSCHAR	PG-C9	7/27/2002	PG-C9	0	0	0	0					6.6		
PSCHAR	PG-C9S	7/27/2002	PG-C9S	1	0	0	0					0.4 *U*		
PSCHAR	PG-C9S	7/27/2002	PG-C9S	2	0	0	0					0.4 *U*		
PSCHAR	PG-D4	7/9/2002	PG-D4	0	0	0	0					0.900 *U*		
PSCHAR	PG-D5	7/9/2002	PG-D5	0	0	0	0					1.35 *U*		
PSCHAR	PG-D6	7/10/2002	PG-D6	0	0	0	0					0.750 *U*		
PSCHAR	PG-D6D	7/10/2002	PGD-D6	0	0	0	0					0.600 *U*		
PSCHAR	PG-D7	7/27/2002	PG-D7	0	0	0	0					3.2		
PSCHAR	PG-D8	7/27/2002	PG-D8	0	0	0	0					2.7		
PSCHAR	PG-E1	8/23/2002	PG-E1	0	0	0	0					0.70 *U*		
PSCHAR	PG-E10	7/10/2002	PG-E10	0	0	0	0					0.900 *U*		
PSCHAR	PG-E3	7/31/2002	PG-E3	0	0	0	0					0.5 *U*		
PSCHAR	PG-E4	7/9/2002	PG-E4	0	0	0	0					1.05 *U*		
PSCHAR	PG-E5	7/26/2002	PG-E5	0	0	0	0					1.2 *U*		
PSCHAR	PG-E5S	7/26/2002	PG-E5-S	0	0	0	0					0.4 *U*		
PSCHAR	PG-F10	7/10/2002	PG-F10	0	0	0	0					0.600 *U*		
PSCHAR	PG-F4	7/31/2002	PG-F4	0	0	0	0					1.6		
PSCHAR	PG-F5	7/9/2002	PG-F5	0	0	0	0					0.650 *U*		
PSCHAR	PG-F9	7/10/2002	PG-F9	0	0	0	0					0.850 *U*		
PSCHAR	PG-G10	8/10/2002	PG-G-10	0	0	0	0					0.3 *U*		
PSCHAR	PG-G12	8/20/2002	PG-G12	0	0	0	0					1.2 *U*		
PSCHAR	PG-G2	8/23/2002	PG-G2	0	0	0	0					1.2 *U*		
PSCHAR	PG-G4	7/31/2002	PG-G4	0	0	0	0					1		
PSCHAR	PG-G5	7/31/2002	PG-G5	0	0	0	0					1.3		
PSCHAR	PG-G8	7/10/2002	PG-G8	0	0	0	0					2.70		
PSCHAR	PG-G8D	7/10/2002	PGD-G8	0	0	0	0					0.600 *U*		
PSCHAR	PG-G9	7/10/2002	PG-G9	1	0	0	0					1.20		
PSCHAR	PG-G9	7/10/2002	PG-G9	2	0	0	0					0.600 *U*		
PSCHAR	PG-H13	8/11/2002	PG-H-13	0	0	0	0	1,460	6.5 *U*	14 *U*	224	0.65 *U*	3.2	11.4
PSCHAR	PG-H7	7/10/2002	PG-H7	0	0	0	0					0.750 *U*		
PSCHAR	PG-H7D	7/10/2002	PGD-H7	0	0	0	0					0.550 *U*		
PSCHAR	PG-H8	7/10/2002	PG-H8	0	0	0	0					0.350 *U*		
PSCHAR	PG-H8D	7/10/2002	PGD-H8	0	0	0	0					0.500 *U*		
PSCHAR	PG-I1	8/15/2002	PG-I-1	0	0	0	0					0.9 *J*		
PSCHAR	PG-I11	8/11/2002	PG-I-11	1	0	0	0					0.90 *U*		
PSCHAR	PG-I11	8/11/2002	PG-I-11	2	0	0	0					1.1 *U*		
PSCHAR	PG-I1S	8/15/2002	PG-I-1-S	0	0	0	0					0.8 *J*		
PSCHAR	PG-I3	8/16/2002	PG-I-3	0	0	0	0					1.7 *J*		
PSCHAR	PG-I7	7/10/2002	PG-I-7	0	0	0	0					3.40		
PSCHAR	PG-I9	8/10/2002	PG-I-9	0	0	0	0					3.1 *J*		
PSCHAR	PG-J12	8/11/2002	PG-J-12	0	0	0	0					1.4 *U*		
PSCHAR	PG-J5	8/16/2002	PG-J5	0	0	0	0					2.1 *J*		
PSCHAR	PG-K10	8/20/2002	PG-K-10	0	0	0	0					0.5 *U*		

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)
PSCHAR	PG-K10S	8/20/2002	PG-K-10-S	0	0	0	0					0.5 *U*		
PSCHAR	PG-K2	7/31/2002	PG-K-2	0	0	0	0					3.5		
PSCHAR	PG-K4	8/16/2002	PG-K4	0	0	0	0					2.2 *J*		
PSCHAR	PG-K6	8/20/2002	PG-K-6	0	0	0	0					0.75 *U*		
PSCHAR	PG-K8	8/20/2002	PG-K-8	0	0	0	0					1.3		
PSCHAR	PG-M1	8/15/2002	PG-M-1	0	0	0	0					2.1 *J*		
PSCHAR	PG-M3	7/31/2002	PG-M-3	0	0	0	0					0.4 *U*		
PSCHAR	PG-M5	7/31/2002	PG-M-5	0	0	0	0					0.80 *U*		
PSCHAR	PG-M7	8/20/2002	PG-M7	0	0	0	0					0.60 *U*		
PSCHAR	PG-M9	8/20/2002	PG-M9	0	0	0	0	6,560	5.5 *U*	11 *U*	120	0.55 *U*	10	2.3
PSCHAR	PG-O2	7/28/2002	PG-O2	0	0	0	0					0.85 *U*		
PSCHAR	PG-O4	7/28/2002	PG-O4	0	0	0	0					0.5 *U*		
PSCHAR	PG-O6	7/28/2002	PG-O6	0	0	0	0					0.70 *U*		
PSCHAR	PG-P1	7/28/2002	PG-P1	0	0	0	0					0.4 *U*		
PSCHAR	PG-P3	7/28/2002	PG-P3	0	0	0	0					0.5 *U*		
PSCHAR	RAT1-10E	6/27/2002	RAT1-10E	0	0	0	0					3		
PSCHAR	RAT1-50E	6/27/2002	RAT1-50E	0	0	0	0					0.60 *U*		
PSCHAR	RAT1250E	6/27/2002	RAT1-250E	0	0	0	0					0.75 *U*		
PSCHAR	RAT1500E	6/27/2002	RAT1-500E	0	0	0	0					0.70 *U*		
PSCHAR	RAT2-10E	6/27/2002	RAT2-10E	0	0	0	0					2.9		
PSCHAR	RAT2-50E	6/27/2002	RAT2-50E	0	0	0	0					0.90 *U*		
PSCHAR	RAT2250E	6/27/2002	RAT2-250E	1	0	0	0					0.5 *U*		
PSCHAR	RAT2500E	6/27/2002	RAT2-500E	0	0	0	0					0.5 *U*		
PSCHAR	RAT3-10E	6/27/2002	RAT3-10E	0	0	0	0					15.1		
PSCHAR	RAT3-50E	6/27/2002	RAT3-50E	1	0	0	0	3,300	9.0 *U*	18 *U*	346	0.90 *U*	4.5	15.6
PSCHAR	RAT3-50E	6/27/2002	RAT3-50E	2	0	0	0					0.90 *U*		
PSCHAR	RAT3250E	6/27/2002	RAT3-250E	0	0	0	0					0.5 *U*		
PSCHAR	RAT3500E	6/27/2002	RAT3-500E	0	0	0	0					0.55 *U*		
PSCHAR	RAT4-10E	6/27/2002	RAT4-10E	0	0	0	0					4.1		
PSCHAR	RAT4-10W	7/2/2002	RAT4-10-W	0	0	0	0					9.9 *J*		
PSCHAR	RAT4-50E	6/27/2002	RAT4-50E	0	0	0	0					0.4 *U*		
PSCHAR	RAT4250E	6/27/2002	RAT4-250E	0	0	0	0					0.5 *U*		
PSCHAR	RAT4500E	6/27/2002	RAT4-500E	0	0	0	0					0.95 *U*		
PSCHAR	RAT5-10N	6/27/2002	RAT5-10N	1	0	0	0					4.2		
PSCHAR	RAT5-10N	6/27/2002	RAT5-10N	2	0	0	0					0.4 *U*		
PSCHAR	RAT5-50N	6/27/2002	RAT5-50N	0	0	0	0					0.4 *U*		
PSCHAR	RAT5250N	6/27/2002	RAT5-250N	0	0	0	0					0.60 *U*		
PSCHAR	RAT5500N	6/27/2002	RAT5-500N	0	0	0	0					3.1		
PSCHAR	ROT1-0S	7/3/2002	ROT1-OS	0	0	0	0	15,400		9.5 *U*		47.7		
PSCHAR	ROT1-10N	7/3/2002	ROT1-10N	0	0	0	0					21.4		
PSCHAR	ROT1-10S	7/3/2002	ROT1-10-S	0	0	0	0					47.6		
PSCHAR	ROT1-50N	7/3/2002	ROT1-50N	0	0	0	0					21.6		
PSCHAR	ROT1-50S	7/3/2002	ROT1-50-S	1	0	0	0					1.20 *U*		

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)
PSCHAR	ROT1-50S	7/3/2002	ROT1-50-S	2	0	0	0					3.5 *J*		
PSCHAR	ROT1250S	7/3/2002	ROT1-250S	0	0	0	0					5.90		
PSCHAR	ROT1500S	7/3/2002	ROT1-500-S	1	0	0	0					2.70		
PSCHAR	ROT1500S	7/3/2002	ROT1-500-S	2	0	0	0					10 *J*		
PSCHAR	ROT2-0NA	7/4/2002	ROT2-0NA	0	0	0	3.810976					36.8 *J*		
PSCHAR	ROT2-0SA	7/4/2002	ROT2-OSA	0	0	0	3.810976					11.6 *J*		
PSCHAR	ROT2-10N	7/4/2002	ROT2-10N	1	0	0	0					1.6 *J*		
PSCHAR	ROT2-10N	7/4/2002	ROT2-10N	2	0	0	0					6.4 *J*		
PSCHAR	ROT2-10S	7/5/2002	ROT2-10-S	0	0	0	0					11.4		
PSCHAR	ROT2-50N	7/4/2002	ROT2-50N	0	0	0	0					4.5 *J*		
PSCHAR	ROT2-50S	7/5/2002	ROT2-50-S	0	0	0	0					11.8		
PSCHAR	ROT2250S	7/5/2002	ROT2-250-S	0	0	0	0					1.35 *U*		
PSCHAR	ROT2500S	7/5/2002	ROT2-500-S	0	0	0	0					1.80		
PSCHAR	ROT3-0NA	7/4/2002	ROT3-0NA	0	0	0	3.810976					79.1 *J*		
PSCHAR	ROT3-0SA	7/4/2002	ROT3-OSA	0	0	0	5.081301					35.3 *J*		
PSCHAR	ROT3-10N	7/4/2002	ROT3-10N	0	0	0	0					12.4 *J*		
PSCHAR	ROT3-10S	7/5/2002	ROT3-10-S	0	0	0	0					29.2		
PSCHAR	ROT3-50N	7/4/2002	ROT3-50N	0	0	0	0					24.5 *J*		
PSCHAR	ROT3-50S	7/5/2002	ROT3-50-S	0	0	0	0					8.80		
PSCHAR	ROT3250S	7/5/2002	ROT3-250-S	0	0	0	0					4.40		
PSCHAR	ROT3500S	7/5/2002	ROT3-500-S	0	0	0	0					0.850 *U*		
PSCHAR	ROT4-0NA	7/4/2002	ROT4-0NA	0	0	0	3.810976	4,900		12 *U*		39.0 *J*		
PSCHAR	ROT4-0SA	7/4/2002	ROT4-OSA	0	0	0	1.905488					44.2 *J*		
PSCHAR	ROT4-10N	7/4/2002	ROT4-10N	1	0	0	0					29.6 *J*		
PSCHAR	ROT4-10N	7/4/2002	ROT4-10N	2	0	0	0					46.3		
PSCHAR	ROT4-10S	7/5/2002	ROT4-10-S	0	0	0	0					47.7		
PSCHAR	ROT4-50N	7/4/2002	ROT4-50N	0	0	0	0					24.9 *J*		
PSCHAR	ROT4-50S	7/5/2002	ROT4-50-S	0	0	0	0					0.600 *U*		
PSCHAR	ROT4250S	7/5/2002	ROT4-250-S	0	0	0	0					2.15 *U*		
PSCHAR	ROT4500S	7/5/2002	ROT4-500-S	0	0	0	0					5.90		
PSCHAR	ROT5-0NA	7/4/2002	ROT5-0NA	0	0	0	3.810976					73.3 *J*		
PSCHAR	ROT5-0SA	7/4/2002	ROT5-OSA	0	0	0	2.54065					38.1 *J*		
PSCHAR	ROT5-10N	7/4/2002	ROT5-10N	0	0	0	0					11.8 *J*		
PSCHAR	ROT5-50N	7/4/2002	ROT5-50N	0	0	0	0					35.0 *J*		
PSCHAR	ROT6-0NA	7/4/2002	ROT6-0NA	0	0	0	12.70325					162 *J*		
PSCHAR	ROT6-0SA	7/4/2002	ROT6-OSA	0	0	0	5.081301					64.1		
PSCHAR	ROT6-10N	7/4/2002	ROT6-10N	0	0	0	0					31.9 *J*		
PSCHAR	ROT6-50N	7/4/2002	ROT6-50N	0	0	0	0					71.5 *J*		
PSCHAR	ROT7-50S	7/5/2002	ROT7-50-S	0	0	0	0					32.6		
PSCHAR	ROT7250S	7/5/2002	ROT7-250-S	0	0	0	0					3.10		
PSCHAR	ROT7500S	7/5/2002	ROT7-500-S	0	0	0	0					0.550 *U*		
PSCHAR	ROT8500S	7/5/2002	ROT8-500-S	0	0	0	0					0.600 *U*		
PSCHAR	ROT9-50N	7/5/2002	ROT9-50N	0	0	0	0					45.8 *J*		

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)
PSCHAR	ROT9-50S	7/5/2002	ROT9-50-S	0	0	0	0					2.00		
PSCHAR	ROT9250S	7/5/2002	ROT9-250-S	0	0	0	0					0.450 *U*		
PSCHAR	ROT9500S	7/5/2002	ROT9-500-S	0	0	0	0					0.450 *U*		
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2							
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2							
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2							
ENSR92	TCA1	9/1/1992	TCA1	0	0	0	0							
ENSR92	TCA2	9/1/1992	TCA2	0	0	0	0							
ENSR92	TCA3	9/1/1992	TCA3	0	0	0	0							
ENSR92	TCA4	9/1/1992	TCA4	0	0	0	0							
ENSR92	TCA5	9/1/1992	TCA5	0	0	0	0							
ENSR92	TCA6	9/1/1992	TCA6	0	0	0	0							
ENSR92	TCA7	9/1/1992	TCA7	0	0	0	0							
ENSR92	TCA8	9/1/1992	TCA8	0	0	0	0							
ENSR92	TCB1	9/1/1992	TCB1	0	0	0	0							
ENSR92	TCB2	9/1/1992	TCB2	0	0	0	0							
ENSR92	TCB3	9/1/1992	TCB3	0	0	0	0							
ENSR92	TCB4	9/1/1992	TCB4	0	0	0	0							
ENSR92	TCB5	9/1/1992	TCB5	0	0	0	0							
ENSR92	TCB6	9/1/1992	TCB6	0	0	0	0							
ENSR92	TCB7	9/1/1992	TCB7	0	0	0	0							
ENSR92	TCB8	9/1/1992	TCB8	0	0	0	0							
ENSR92	TCC1	9/1/1992	TCC1	0	0	0	0							
ENSR92	TCC2	9/1/1992	TCC2	0	0	0	0							
ENSR92	TCC3	9/1/1992	TCC3	0	0	0	0							
ENSR92	TCC4	9/1/1992	TCC4	0	0	0	0							
ENSR92	TCC5	9/1/1992	TCC5	0	0	0	0							
ENSR92	TCC6	9/1/1992	TCC6	0	0	0	0							
ENSR92	TCC7	9/1/1992	TCC7	0	0	0	0							
ENSR92	TCC8	9/1/1992	TCC8	0	0	0	0							
ENSR92	TCD1	9/1/1992	TCD1	0	0	0	0							
ENSR92	TCD2	9/1/1992	TCD2	0	0	0	0							
ENSR92	TCD3	9/1/1992	TCD3	0	0	0	0							
ENSR92	TCD4	9/1/1992	TCD4	0	0	0	0							
ENSR92	TCD5	9/1/1992	TCD5	0	0	0	0							
ENSR92	TCD6	9/1/1992	TCD6	0	0	0	0							
ENSR92	TCD7	9/1/1992	TCD7	0	0	0	0							
ENSR92	TCD8	9/1/1992	TCD8	0	0	0	0							
ENSR92	TCE1	9/1/1992	TCE1	0	0	0	0							
ENSR92	TCE2	9/1/1992	TCE2	0	0	0	0							
ENSR92	TCE3	9/1/1992	TCE3	0	0	0	0							
ENSR92	TCE4	9/1/1992	TCE4	0	0	0	0							
ENSR92	TCE5	9/1/1992	TCE5	0	0	0	0							

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)
ENSR92	TCE6	9/1/1992	TCE6	0	0	0	0							
ENSR92	TCE7	9/1/1992	TCE7	0	0	0	0							
ENSR92	TCE8	9/1/1992	TCE8	0	0	0	0							
PHASE1RA	TT1-0010	7/17/2003	TS0013	0	0	0	2	6,940 *J*	12.3 *J*	13.5 *J*	650	71.2 *J*	17.9 *J*	11.9 *J*
PHASE1RA	TT1-0100	7/17/2003	TS0012	0	0	0	2	1,820 *J*	10.8 *J*	6.1 *J*	670	67 *J*	5.15 *J*	6.13 *J*
PHASE1RA	TT1-1000	7/19/2003	TS0015	0	0	0	2	548 *J*	0.98 *J*	1 *J*	222	8.05 *J*	1.85 *J*	7.43 *J*
PHASE1RA	TT2-0010	7/17/2003	TS0011	0	0	0	2	6,000 *J*	2.06 *J*	5.1 *J*	1,590	14.1 *J*	9.9 *J*	7.9 *J*
PHASE1RA	TT2-0100	7/17/2003	TS0010	0	0	0	2	3,060 *J*	1.65 *J*	3.4 *J*	911	10.6 *J*	6.02 *J*	5.54 *J*
PHASE1RA	TT2-1000	7/19/2003	TS0014	0	0	0	2	405 *J*	0.15 *J*	0.3 *J*	53	0.73 *J*	1.03 *J*	0.58 *J*
PHASE1RA	TT3-0010	7/17/2003	TS0009	0	0	0	2	2,660 *J*	1.02 *J*	6.3 *J*	2,170	6.67 *J*	9.69 *J*	5.95 *J*
PHASE1RA	TT3-0100	7/17/2003	TS0008	0	0	0	2	1,510 *J*	0.99 *J*	2.9 *J*	1,030	3.31 *J*	3.93 *J*	2.47 *J*
PHASE1RA	TT3-1000	7/21/2003	TS0027	0	0	0	2	358 *J*	0.23 *J*	0.8 *J*	108	0.53 *J*	1.54 *J*	0.5 *J*
PHASE1RA	TT4-0010	7/21/2003	TS0028	0	0	0	2	8,240	1.98 *J*	10.3	5,060 *J*	10.2 *J*	13.8	6.57
PHASE1RA	TT4-0100	7/21/2003	TS0029	1	0	0	2	2,070	1.36 *J*	4.9	3,950 *J*	3.9 *J*	5.39	17.9
PHASE1RA	TT4-0100	7/21/2003	TS0029	2	0	0	2	3,070	2.46 *J*	5.8	5,810 *J*	7.65 *J*	6.87	12.8
PHASE1RA	TT4-1000	7/21/2003	TS0026	0	0	0	3	1,430 *J*	1.84 *J*	2.2 *J*	979	3.27 *J*	2.81 *J*	2.06 *J*

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Copper (mg/kg dry)	Fluoride (mg/kg dry)	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
PSCHAR	CAG-D33	7/3/2002	CAG-D-33	0	0	0	0				353 *J*			
PSCHAR	CAG-F35	7/3/2002	CAG-F-35	0	0	0	0			28,000	10,100 *J*			
PSCHAR	CAG-J35	7/3/2002	CAG-J-35	0	0	0	0			6,290	1,510 *J*			
PSCHAR	CIT1-0NA	6/29/2002	C1T1-0N-A	0	0	0	5.081301				460			
PSCHAR	CIT1-10N	6/29/2002	C1T1-10-N	0	0	0	0				71.8			
PSCHAR	CIT1-50N	6/29/2002	C1T1-50-N	0	0	0	0				16.5 *U*			
PSCHAR	CIT1250N	6/29/2002	C1T1-250-N	1	0	0	0				36.5			
PSCHAR	CIT1500N	6/29/2002	C1T1-500-N	0	0	0	0				17.5 *U*			
PSCHAR	CIT2-0NA	6/29/2002	C1T2-0N-A	0	0	0	12.70325				4,170			
PSCHAR	CIT2-10N	6/29/2002	C1T2-10-N	0	0	0	0	51.9		16,500	16,000	276		2.00 *U*
PSCHAR	CIT2-50N	6/29/2002	C1T2-50-N	0	0	0	0				643			
PSCHAR	CIT2250N	6/29/2002	C1T2-250-N	0	0	0	0				11.0 *U*			
PSCHAR	CIT2500N	6/29/2002	C1T2-500-N	0	0	0	0				12.0 *U*			
PSCHAR	CIT3-0NA	6/29/2002	C1T3-0N-A	0	0	0	10.1626				149			
PSCHAR	CIT3-10N	6/29/2002	C1T3-10-N	1	0	0	0				10.5 *U*			
PSCHAR	CIT3-10N	6/29/2002	C1T3-10-N	2	0	0	0				13.0 *U*			
PSCHAR	CIT3-50N	6/29/2002	C1T3-50-N	0	0	0	0				11.0 *U*			
PSCHAR	CIT3250N	6/29/2002	C1T3-250-N	0	0	0	0				11.0 *U*			
PSCHAR	CIT3500N	6/29/2002	C1T3-500-N	0	0	0	0				21.7			
PSCHAR	CIT4-0WA	6/29/2002	C1T4-OW-A	0	0	0	0				21.0			
PSCHAR	CIT4-10W	6/29/2002	C1T4-10-W	0	0	0	0				11.0 *U*			
PSCHAR	CIT4-50W	6/29/2002	C1T4-50-W	0	0	0	0				11.0 *U*			
PSCHAR	CIT4250W	6/29/2002	C1T4-250-W	0	0	0	0				26.2			
PSCHAR	CIT4500W	6/29/2002	C1T4-500-W	0	0	0	0	16.7		31,900	11.5 *U*	689		1.15 *U*
PSCHAR	CVT1-50S	6/29/2002	CVT1-50-S	0	0	0	0				354			
PSCHAR	CVT1250N	6/29/2002	CVT1-250-N	1	0	0	0				23.5			
PSCHAR	CVT1250N	6/29/2002	CVT1-250-N	2	0	0	0				14.6 *U*			
PSCHAR	CVT1500N	6/29/2002	CVT1-500-N	0	0	0	0				23.9			
PSCHAR	CVT2-10N	6/30/2002	CVT2-10-N	0	0	0	0				75.4			
PSCHAR	CVT2-10S	6/30/2002	CVT2-10-S	0	0	0	0				1,610			
PSCHAR	CVT2-50N	6/30/2002	CVT2-50-N	0	0	0	0				42.4			
PSCHAR	CVT2-50S	6/30/2002	CVT2-50-S	0	0	0	0				144			
PSCHAR	CVT2250N	6/30/2002	CVT2-250-N	0	0	0	0	15.9		50,100	138	1,560		1.05 *U*
PSCHAR	CVT2500N	6/30/2002	CVT2-500-N	0	0	0	0				33.7			
PSCHAR	CVT3-10N	6/30/2002	CVT3-10-N	0	0	0	0	53.1		34,600	4,340	330		1.05 *U*
PSCHAR	CVT3-10S	6/30/2002	CVT3-10-S	0	0	0	0				51.0			
PSCHAR	CVT3-50N	6/30/2002	CVT3-50-N	0	0	0	0				913			
PSCHAR	CVT3-50S	6/30/2002	CVT3-50-S	0	0	0	0				1,880			
PSCHAR	CVT3250N	6/30/2002	CVT3-250-N	1	0	0	0	19.8		30,200	79.8	1,070		0.750 *U*
PSCHAR	CVT3250N	6/30/2002	CVT3-250-N	2	0	0	0	46.4		25,700	2,780 *J*	1,870		1.7 *U*
PSCHAR	CVT3500N	6/30/2002	CVT3-500-N	0	0	0	0				34.9			
PSCHAR	CVT4-10N	6/30/2002	CVT4-10-N	0	0	0	0				2,570			
PSCHAR	CVT4-10S	6/30/2002	CVT4-10-S	0	0	0	0				985			

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Copper (mg/kg dry)	Fluoride (mg/kg dry)	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
PSCHAR	CVT4-50N	6/30/2002	CVT4-50-N	0	0	0	0				671			
PSCHAR	CVT4-50S	6/30/2002	CVT4-50-S	0	0	0	0	32.5		181,000	692 *J*	3,400		1.8 *U*
PSCHAR	CVT4250N	6/30/2002	CVT4-250-N	0	0	0	0				80.0			
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	1	0	0	0				16.0 *U*			
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	2	0	0	0				17.0 *UJ*			
PSCHAR	CVT5-10N	6/30/2002	CVT5-10-N	0	0	0	0				167			
PSCHAR	CVT5-10S	6/30/2002	CVT5-10-S	0	0	0	0				2,600			
PSCHAR	CVT5-50N	6/30/2002	CVT5-50-N	0	0	0	0				857			
PSCHAR	CVT5-50S	6/30/2002	CVT5-50-S	0	0	0	0				808			
PSCHAR	CVT5250N	6/30/2002	CVT5-250-N	0	0	0	0	20.8		111,000	700	3,140		1.8 *U*
PSCHAR	CVT5500N	6/30/2002	CVT5-500-N	0	0	0	0				29.7			
PSCHAR	CVT6-10N	6/30/2002	CVT6-10-N	1	0	0	0				2,500			
PSCHAR	CVT6-10N	6/30/2002	CVT6-10-N	2	0	0	0				14,900 *J*			
PSCHAR	CVT6-50N	6/30/2002	CVT6-50-N	0	0	0	0				434			
PSCHAR	CVT6-50S	6/30/2002	CVT6-50-S	0	0	0	0				1,070			
PSCHAR	CVT6250N	6/30/2002	CVT6-250-N	0	0	0	0	6.3		6,030	72.0	28.6		2.9 *U*
PSCHAR	CVT6500N	6/30/2002	CVT6-500-N	0	0	0	0	14		16,800	181	81.8		2.9 *U*
PSCHAR	CVT7-10N	7/3/2002	CVT7-10-N	0	0	0	0				5,580			
PSCHAR	CVT7-50N	7/3/2002	CVT7-50-N	0	0	0	0				1,280			
PSCHAR	CVT7250N	7/3/2002	CVT7-250-N	0	0	0	0			15,100	2,890			
PSCHAR	CVT7500N	7/3/2002	CVT7-500-N	0	0	0	0				13 *U*			
PSCHAR	CVT8-10N	7/3/2002	CVT8-10-N	0	0	0	0				1,400			
PSCHAR	CVT8-50N	7/3/2002	CVT8-50-N	0	0	0	0				27.6			
PSCHAR	CVT8250S	7/3/2002	CVT8-250-S	0	0	0	0			13,300	29.4			
PSCHAR	CVT8500N	7/3/2002	CVT8-500-N	0	0	0	0				100			
PSCHAR	CVT8500S	7/3/2002	CVT8-500-S	0	0	0	0				9.50 *U*			
PSCHAR	CVT9250N	7/3/2002	CVT9-250N	0	0	0	0				76.2			
PSCHAR	PG-A1	8/23/2002	PG-A1	1	0	0	0				15.5 *U*			
PSCHAR	PG-A1	8/23/2002	PG-A1	2	0	0	0				15.0 *U*			
PSCHAR	PG-A1S	8/23/2002	PG-A1-S	0	0	0	0				12.5 *U*			
PSCHAR	PG-A3	7/27/2002	PG-A3	0	0	0	0				228			
PSCHAR	PG-A5	7/27/2002	PG-A5	0	0	0	0				10 *U*			
PSCHAR	PG-A6S	7/27/2002	PG-A6S	0	0	0	0				8.5 *U*			
PSCHAR	PG-B6	7/27/2002	PG-B6	0	0	0	0				22 *U*			
PSCHAR	PG-B7	7/27/2002	PG-B7	0	0	0	0				12 *U*			
PSCHAR	PG-B8S	7/27/2002	PG-B8-S	0	0	0	0				7.0 *U*			
PSCHAR	PG-C2	8/23/2002	PG-C2	0	0	0	0				24.5 *U*			
PSCHAR	PG-C4	8/23/2002	PG-C4	0	0	0	0				60.7			
PSCHAR	PG-C5	7/9/2002	PG-C5	0	0	0	0				29.5 *UJ*			
PSCHAR	PG-C6	7/27/2002	PG-C6	0	0	0	0				47			
PSCHAR	PG-C7	7/27/2002	PG-C7	0	0	0	0				31.1			
PSCHAR	PG-C8	7/27/2002	PG-C8	1	0	0	0				346			
PSCHAR	PG-C8	7/27/2002	PG-C8	2	0	0	0				299			

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Copper (mg/kg dry)	Fluoride (mg/kg dry)	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
PSCHAR	PG-C9	7/27/2002	PG-C9	0	0	0	0				317			
PSCHAR	PG-C9S	7/27/2002	PG-C9S	1	0	0	0				18.2			
PSCHAR	PG-C9S	7/27/2002	PG-C9S	2	0	0	0				7.0 *U*			
PSCHAR	PG-D4	7/9/2002	PG-D4	0	0	0	0				18.5 *UJ*			
PSCHAR	PG-D5	7/9/2002	PG-D5	0	0	0	0				26.5 *UJ*			
PSCHAR	PG-D6	7/10/2002	PG-D6	0	0	0	0				15.5 *UJ*			
PSCHAR	PG-D6D	7/10/2002	PGD-D6	0	0	0	0				11.5 *U*			
PSCHAR	PG-D7	7/27/2002	PG-D7	0	0	0	0				164			
PSCHAR	PG-D8	7/27/2002	PG-D8	0	0	0	0				127			
PSCHAR	PG-E1	8/23/2002	PG-E1	0	0	0	0				14.0 *U*			
PSCHAR	PG-E10	7/10/2002	PG-E10	0	0	0	0				17.5 *U*			
PSCHAR	PG-E3	7/31/2002	PG-E3	0	0	0	0				10 *U*			
PSCHAR	PG-E4	7/9/2002	PG-E4	0	0	0	0				21.0 *UJ*			
PSCHAR	PG-E5	7/26/2002	PG-E5	0	0	0	0				50.2			
PSCHAR	PG-E5S	7/26/2002	PG-E5-S	0	0	0	0				23.0			
PSCHAR	PG-F10	7/10/2002	PG-F10	0	0	0	0				12.0 *UJ*			
PSCHAR	PG-F4	7/31/2002	PG-F4	0	0	0	0				67.2			
PSCHAR	PG-F5	7/9/2002	PG-F5	0	0	0	0				13.5 *UJ*			
PSCHAR	PG-F9	7/10/2002	PG-F9	0	0	0	0				17.5 *UJ*			
PSCHAR	PG-G10	8/10/2002	PG-G-10	0	0	0	0				26.3 *J*			
PSCHAR	PG-G12	8/20/2002	PG-G12	0	0	0	0				23 *U*			
PSCHAR	PG-G2	8/23/2002	PG-G2	0	0	0	0				23.0 *U*			
PSCHAR	PG-G4	7/31/2002	PG-G4	0	0	0	0				25.8			
PSCHAR	PG-G5	7/31/2002	PG-G5	0	0	0	0				21.4			
PSCHAR	PG-G8	7/10/2002	PG-G8	0	0	0	0				97.8 *J*			
PSCHAR	PG-G8D	7/10/2002	PGD-G8	0	0	0	0				44.5			
PSCHAR	PG-G9	7/10/2002	PG-G9	1	0	0	0				11.0 *UJ*			
PSCHAR	PG-G9	7/10/2002	PG-G9	2	0	0	0				12.0 *U*			
PSCHAR	PG-H13	8/11/2002	PG-H-13	0	0	0	0	7.4		54,800	14 *UJ*	136		3.9
PSCHAR	PG-H7	7/10/2002	PG-H7	0	0	0	0				14.5 *UJ*			
PSCHAR	PG-H7D	7/10/2002	PGD-H7	0	0	0	0				10.5 *U*			
PSCHAR	PG-H8	7/10/2002	PG-H8	0	0	0	0				7.00 *UJ*			
PSCHAR	PG-H8D	7/10/2002	PGD-H8	0	0	0	0				10.5 *U*			
PSCHAR	PG-I1	8/15/2002	PG-I-1	0	0	0	0				17			
PSCHAR	PG-I11	8/11/2002	PG-I-11	1	0	0	0				18 *UJ*			
PSCHAR	PG-I11	8/11/2002	PG-I-11	2	0	0	0				21 *UJ*			
PSCHAR	PG-I1S	8/15/2002	PG-I-1-S	0	0	0	0				17			
PSCHAR	PG-I3	8/16/2002	PG-I-3	0	0	0	0				85.7			
PSCHAR	PG-I7	7/10/2002	PG-I-7	0	0	0	0				18.0 *UJ*			
PSCHAR	PG-I9	8/10/2002	PG-I-9	0	0	0	0				110 *J*			
PSCHAR	PG-J12	8/11/2002	PG-J-12	0	0	0	0				29 *UJ*			
PSCHAR	PG-J5	8/16/2002	PG-J5	0	0	0	0				43			
PSCHAR	PG-K10	8/20/2002	PG-K-10	0	0	0	0				10 *U*			

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Copper (mg/kg dry)	Fluoride (mg/kg dry)	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
PSCHAR	PG-K10S	8/20/2002	PG-K-10-S	0	0	0	0				19.1			
PSCHAR	PG-K2	7/31/2002	PG-K-2	0	0	0	0				130			
PSCHAR	PG-K4	8/16/2002	PG-K4	0	0	0	0				94			
PSCHAR	PG-K6	8/20/2002	PG-K-6	0	0	0	0				16 *U*			
PSCHAR	PG-K8	8/20/2002	PG-K-8	0	0	0	0				46.3			
PSCHAR	PG-M1	8/15/2002	PG-M-1	0	0	0	0				41			
PSCHAR	PG-M3	7/31/2002	PG-M-3	0	0	0	0				7.05 *U*			
PSCHAR	PG-M5	7/31/2002	PG-M-5	0	0	0	0				16.2 *U*			
PSCHAR	PG-M7	8/20/2002	PG-M7	0	0	0	0				12 *U*			
PSCHAR	PG-M9	8/20/2002	PG-M9	0	0	0	0	15.5		6,450	11 *U*	57.8		1.1 *U*
PSCHAR	PG-O2	7/28/2002	PG-O2	0	0	0	0				34.6			
PSCHAR	PG-O4	7/28/2002	PG-O4	0	0	0	0				10 *U*			
PSCHAR	PG-O6	7/28/2002	PG-O6	0	0	0	0				14 *U*			
PSCHAR	PG-P1	7/28/2002	PG-P1	0	0	0	0				8.5 *U*			
PSCHAR	PG-P3	7/28/2002	PG-P3	0	0	0	0				33.4			
PSCHAR	RAT1-10E	6/27/2002	RAT1-10E	0	0	0	0				97			
PSCHAR	RAT1-50E	6/27/2002	RAT1-50E	0	0	0	0				46.1			
PSCHAR	RAT1250E	6/27/2002	RAT1-250E	0	0	0	0				15 *U*			
PSCHAR	RAT1500E	6/27/2002	RAT1-500E	0	0	0	0				32.3			
PSCHAR	RAT2-10E	6/27/2002	RAT2-10E	0	0	0	0				71.2			
PSCHAR	RAT2-50E	6/27/2002	RAT2-50E	0	0	0	0				18 *U*			
PSCHAR	RAT2250E	6/27/2002	RAT2-250E	1	0	0	0				39.2			
PSCHAR	RAT2500E	6/27/2002	RAT2-500E	0	0	0	0				25.9			
PSCHAR	RAT3-10E	6/27/2002	RAT3-10E	0	0	0	0				627			
PSCHAR	RAT3-50E	6/27/2002	RAT3-50E	1	0	0	0	9.0		16,600	18 *U*	597		1.8 *U*
PSCHAR	RAT3-50E	6/27/2002	RAT3-50E	2	0	0	0				18 *U*			
PSCHAR	RAT3250E	6/27/2002	RAT3-250E	0	0	0	0				24.3			
PSCHAR	RAT3500E	6/27/2002	RAT3-500E	0	0	0	0				11 *U*			
PSCHAR	RAT4-10E	6/27/2002	RAT4-10E	0	0	0	0				109			
PSCHAR	RAT4-10W	7/2/2002	RAT4-10-W	0	0	0	0				493			
PSCHAR	RAT4-50E	6/27/2002	RAT4-50E	0	0	0	0				30.3			
PSCHAR	RAT4250E	6/27/2002	RAT4-250E	0	0	0	0				30.3			
PSCHAR	RAT4500E	6/27/2002	RAT4-500E	0	0	0	0				19 *U*			
PSCHAR	RAT5-10N	6/27/2002	RAT5-10N	1	0	0	0				115			
PSCHAR	RAT5-10N	6/27/2002	RAT5-10N	2	0	0	0				23.7			
PSCHAR	RAT5-50N	6/27/2002	RAT5-50N	0	0	0	0				27.7			
PSCHAR	RAT5250N	6/27/2002	RAT5-250N	0	0	0	0				12 *U*			
PSCHAR	RAT5500N	6/27/2002	RAT5-500N	0	0	0	0				82.6			
PSCHAR	ROT1-0S	7/3/2002	ROT1-OS	0	0	0	0			38,000	2,090			
PSCHAR	ROT1-10N	7/3/2002	ROT1-10N	0	0	0	0				871			
PSCHAR	ROT1-10S	7/3/2002	ROT1-10-S	0	0	0	0				1,890			
PSCHAR	ROT1-50N	7/3/2002	ROT1-50N	0	0	0	0				717			
PSCHAR	ROT1-50S	7/3/2002	ROT1-50-S	1	0	0	0				24.5 *U*			

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Copper (mg/kg dry)	Fluoride (mg/kg dry)	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
PSCHAR	ROT1-50S	7/3/2002	ROT1-50-S	2	0	0	0				217 *J*			
PSCHAR	ROT1250S	7/3/2002	ROT1-250S	0	0	0	0				266			
PSCHAR	ROT1500S	7/3/2002	ROT1-500-S	1	0	0	0				155			
PSCHAR	ROT1500S	7/3/2002	ROT1-500-S	2	0	0	0				410 *J*			
PSCHAR	ROT2-0NA	7/4/2002	ROT2-0NA	0	0	0	3.810976				4,940			
PSCHAR	ROT2-0SA	7/4/2002	ROT2-OSA	0	0	0	3.810976				489 *J*			
PSCHAR	ROT2-10N	7/4/2002	ROT2-10N	1	0	0	0				114 *J*			
PSCHAR	ROT2-10N	7/4/2002	ROT2-10N	2	0	0	0				149 *J*			
PSCHAR	ROT2-10S	7/5/2002	ROT2-10-S	0	0	0	0				411			
PSCHAR	ROT2-50N	7/4/2002	ROT2-50N	0	0	0	0				119 *J*			
PSCHAR	ROT2-50S	7/5/2002	ROT2-50-S	0	0	0	0				497			
PSCHAR	ROT2250S	7/5/2002	ROT2-250-S	0	0	0	0				27.0 *U*			
PSCHAR	ROT2500S	7/5/2002	ROT2-500-S	0	0	0	0				27.4			
PSCHAR	ROT3-0NA	7/4/2002	ROT3-0NA	0	0	0	3.810976				2,870 *J*			
PSCHAR	ROT3-0SA	7/4/2002	ROT3-OSA	0	0	0	5.081301				2,340			
PSCHAR	ROT3-10N	7/4/2002	ROT3-10N	0	0	0	0				1,580			
PSCHAR	ROT3-10S	7/5/2002	ROT3-10-S	0	0	0	0				2,420			
PSCHAR	ROT3-50N	7/4/2002	ROT3-50N	0	0	0	0				1,150			
PSCHAR	ROT3-50S	7/5/2002	ROT3-50-S	0	0	0	0				316			
PSCHAR	ROT3250S	7/5/2002	ROT3-250-S	0	0	0	0				81.2			
PSCHAR	ROT3500S	7/5/2002	ROT3-500-S	0	0	0	0				17.5 *U*			
PSCHAR	ROT4-0NA	7/4/2002	ROT4-0NA	0	0	0	3.810976			17,900	1,990			
PSCHAR	ROT4-0SA	7/4/2002	ROT4-OSA	0	0	0	1.905488				2,020			
PSCHAR	ROT4-10N	7/4/2002	ROT4-10N	1	0	0	0				1,170			
PSCHAR	ROT4-10N	7/4/2002	ROT4-10N	2	0	0	0				1,250			
PSCHAR	ROT4-10S	7/5/2002	ROT4-10-S	0	0	0	0				2,870			
PSCHAR	ROT4-50N	7/4/2002	ROT4-50N	0	0	0	0				420			
PSCHAR	ROT4-50S	7/5/2002	ROT4-50-S	0	0	0	0				40.2			
PSCHAR	ROT4250S	7/5/2002	ROT4-250-S	0	0	0	0				431			
PSCHAR	ROT4500S	7/5/2002	ROT4-500-S	0	0	0	0				123			
PSCHAR	ROT5-0NA	7/4/2002	ROT5-0NA	0	0	0	3.810976				3,060			
PSCHAR	ROT5-0SA	7/4/2002	ROT5-OSA	0	0	0	2.54065				1,470			
PSCHAR	ROT5-10N	7/4/2002	ROT5-10N	0	0	0	0				739			
PSCHAR	ROT5-50N	7/4/2002	ROT5-50N	0	0	0	0				7,480			
PSCHAR	ROT6-0NA	7/4/2002	ROT6-0NA	0	0	0	12.70325				7,770			
PSCHAR	ROT6-0SA	7/4/2002	ROT6-OSA	0	0	0	5.081301				2,710			
PSCHAR	ROT6-10N	7/4/2002	ROT6-10N	0	0	0	0				1,010			
PSCHAR	ROT6-50N	7/4/2002	ROT6-50N	0	0	0	0				8,480			
PSCHAR	ROT7-50S	7/5/2002	ROT7-50-S	0	0	0	0				937			
PSCHAR	ROT7250S	7/5/2002	ROT7-250-S	0	0	0	0				103			
PSCHAR	ROT7500S	7/5/2002	ROT7-500-S	0	0	0	0				11.5 *U*			
PSCHAR	ROT8500S	7/5/2002	ROT8-500-S	0	0	0	0				11.5 *U*			
PSCHAR	ROT9-50N	7/5/2002	ROT9-50N	0	0	0	0				2,260			

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Copper (mg/kg dry)	Fluoride (mg/kg dry)	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
PSCHAR	ROT9-50S	7/5/2002	ROT9-50-S	0	0	0	0				103			
PSCHAR	ROT9250S	7/5/2002	ROT9-250-S	0	0	0	0				79.1			
PSCHAR	ROT9500S	7/5/2002	ROT9-500-S	0	0	0	0				22.9			
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2							
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2							
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2							
ENSR92	TCA1	9/1/1992	TCA1	0	0	0	0				13.2 *U*			
ENSR92	TCA2	9/1/1992	TCA2	0	0	0	0				23.9			
ENSR92	TCA3	9/1/1992	TCA3	0	0	0	0				70.9			
ENSR92	TCA4	9/1/1992	TCA4	0	0	0	0				39.6			
ENSR92	TCA5	9/1/1992	TCA5	0	0	0	0				110.7			
ENSR92	TCA6	9/1/1992	TCA6	0	0	0	0				104.0			
ENSR92	TCA7	9/1/1992	TCA7	0	0	0	0				27.7			
ENSR92	TCA8	9/1/1992	TCA8	0	0	0	0				50.1			
ENSR92	TCB1	9/1/1992	TCB1	0	0	0	0				18.0			
ENSR92	TCB2	9/1/1992	TCB2	0	0	0	0				16.4			
ENSR92	TCB3	9/1/1992	TCB3	0	0	0	0				21.2			
ENSR92	TCB4	9/1/1992	TCB4	0	0	0	0				32.8			
ENSR92	TCB5	9/1/1992	TCB5	0	0	0	0				15.8			
ENSR92	TCB6	9/1/1992	TCB6	0	0	0	0				65.8			
ENSR92	TCB7	9/1/1992	TCB7	0	0	0	0				7.60 *U*			
ENSR92	TCB8	9/1/1992	TCB8	0	0	0	0				13.4 *U*			
ENSR92	TCC1	9/1/1992	TCC1	0	0	0	0				10.3 *U*			
ENSR92	TCC2	9/1/1992	TCC2	0	0	0	0				20.1 *U*			
ENSR92	TCC3	9/1/1992	TCC3	0	0	0	0				12.3 *U*			
ENSR92	TCC4	9/1/1992	TCC4	0	0	0	0				11.7 *U*			
ENSR92	TCC5	9/1/1992	TCC5	0	0	0	0				19.1			
ENSR92	TCC6	9/1/1992	TCC6	0	0	0	0				16.9 *U*			
ENSR92	TCC7	9/1/1992	TCC7	0	0	0	0				13.5 *U*			
ENSR92	TCC8	9/1/1992	TCC8	0	0	0	0				20.1 *U*			
ENSR92	TCD1	9/1/1992	TCD1	0	0	0	0				11.4			
ENSR92	TCD2	9/1/1992	TCD2	0	0	0	0				8.75 *U*			
ENSR92	TCD3	9/1/1992	TCD3	0	0	0	0				11.2 *U*			
ENSR92	TCD4	9/1/1992	TCD4	0	0	0	0				8.35 *U*			
ENSR92	TCD5	9/1/1992	TCD5	0	0	0	0				21.3 *U*			
ENSR92	TCD6	9/1/1992	TCD6	0	0	0	0				15.2 *U*			
ENSR92	TCD7	9/1/1992	TCD7	0	0	0	0				10.9 *U*			
ENSR92	TCD8	9/1/1992	TCD8	0	0	0	0				10.4 *U*			
ENSR92	TCE1	9/1/1992	TCE1	0	0	0	0				12.4			
ENSR92	TCE2	9/1/1992	TCE2	0	0	0	0				8.75 *U*			
ENSR92	TCE3	9/1/1992	TCE3	0	0	0	0				12.0 *U*			
ENSR92	TCE4	9/1/1992	TCE4	0	0	0	0				15.0 *U*			
ENSR92	TCE5	9/1/1992	TCE5	0	0	0	0				54.40 *U*			

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Copper (mg/kg dry)	Fluoride (mg/kg dry)	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
ENSR92	TCE6	9/1/1992	TCE6	0	0	0	0				55.45 *U*			
ENSR92	TCE7	9/1/1992	TCE7	0	0	0	0				50.20 *U*			
ENSR92	TCE8	9/1/1992	TCE8	0	0	0	0				13.1 *U*			
PHASE1RA	TT1-0010	7/17/2003	TS0013	0	0	0	2	58.3 *J*	3.8 *J*	22,100 *J*	10,400	295	4.16 *J*	1.79
PHASE1RA	TT1-0100	7/17/2003	TS0012	0	0	0	2	30 *J*	0.4 *U*	7,170 *J*	3,600	1,130	1.58 *J*	1.12
PHASE1RA	TT1-1000	7/19/2003	TS0015	0	0	0	2	7.78 *J*	0.4 *U*	4,460 *J*	343	508	0.36 *J*	0.63
PHASE1RA	TT2-0010	7/17/2003	TS0011	0	0	0	2	22 *J*	0.4 *U*	19,400 *J*	661 *J*	1,100	0.39 *J*	0.63
PHASE1RA	TT2-0100	7/17/2003	TS0010	0	0	0	2	15.1 *J*	0.4 *U*	8,990 *J*	420	1,420	0.33 *J*	0.65
PHASE1RA	TT2-1000	7/19/2003	TS0014	0	0	0	2	2.88 *J*	0.4 *U*	912 *J*	12.1 *J*	340	0.2 *J*	0.8
PHASE1RA	TT3-0010	7/17/2003	TS0009	0	0	0	2	19.7 *J*	0.4 *U*	6,770 *J*	362	841	0.27 *J*	1.03
PHASE1RA	TT3-0100	7/17/2003	TS0008	0	0	0	2	10.2 *J*	0.4 *U*	4,050 *J*	203	581	0.15 *J*	0.63
PHASE1RA	TT3-1000	7/21/2003	TS0027	0	0	0	2	5.52 *J*	0.4 *U*	593 *J*	18.3 *J*	366	0.1	0.69
PHASE1RA	TT4-0010	7/21/2003	TS0028	0	0	0	2	37.1 *J*	0.4 *U*	23,800	412	630	0.4	2.84 *J*
PHASE1RA	TT4-0100	7/21/2003	TS0029	1	0	0	2	16 *J*	0.4 *U*	19,400	262	857	0.25	2.5 *J*
PHASE1RA	TT4-0100	7/21/2003	TS0029	2	0	0	2	21.7 *J*	0.4 *U*	18,700	486	2,030	0.3	2.58 *J*
PHASE1RA	TT4-1000	7/21/2003	TS0026	0	0	0	3	9.33 *J*	0.4 *U*	3,020 *J*	172	141	0.23	0.59

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	CAG-D33	7/3/2002	CAG-D-33	0	0	0	0				
PSCHAR	CAG-F35	7/3/2002	CAG-F-35	0	0	0	0				
PSCHAR	CAG-J35	7/3/2002	CAG-J-35	0	0	0	0				
PSCHAR	CIT1-0NA	6/29/2002	C1T1-0N-A	0	0	0	5.081301				
PSCHAR	CIT1-10N	6/29/2002	C1T1-10-N	0	0	0	0				
PSCHAR	CIT1-50N	6/29/2002	C1T1-50-N	0	0	0	0				
PSCHAR	CIT1250N	6/29/2002	C1T1-250-N	1	0	0	0				
PSCHAR	CIT1500N	6/29/2002	C1T1-500-N	0	0	0	0				
PSCHAR	CIT2-0NA	6/29/2002	C1T2-0N-A	0	0	0	12.70325				
PSCHAR	CIT2-10N	6/29/2002	C1T2-10-N	0	0	0	0	12.0	20.0 *U*	14.7	
PSCHAR	CIT2-50N	6/29/2002	C1T2-50-N	0	0	0	0				
PSCHAR	CIT2250N	6/29/2002	C1T2-250-N	0	0	0	0				
PSCHAR	CIT2500N	6/29/2002	C1T2-500-N	0	0	0	0				
PSCHAR	CIT3-0NA	6/29/2002	C1T3-0N-A	0	0	0	10.1626				
PSCHAR	CIT3-10N	6/29/2002	C1T3-10-N	1	0	0	0				
PSCHAR	CIT3-10N	6/29/2002	C1T3-10-N	2	0	0	0				
PSCHAR	CIT3-50N	6/29/2002	C1T3-50-N	0	0	0	0				
PSCHAR	CIT3250N	6/29/2002	C1T3-250-N	0	0	0	0				
PSCHAR	CIT3500N	6/29/2002	C1T3-500-N	0	0	0	0				
PSCHAR	CIT4-0WA	6/29/2002	C1T4-OW-A	0	0	0	0				
PSCHAR	CIT4-10W	6/29/2002	C1T4-10-W	0	0	0	0				
PSCHAR	CIT4-50W	6/29/2002	C1T4-50-W	0	0	0	0				
PSCHAR	CIT4250W	6/29/2002	C1T4-250-W	0	0	0	0				
PSCHAR	CIT4500W	6/29/2002	C1T4-500-W	0	0	0	0	32.8	11.5 *U*	1.15 *U*	
PSCHAR	CVT1-50S	6/29/2002	CVT1-50-S	0	0	0	0				
PSCHAR	CVT1250N	6/29/2002	CVT1-250-N	1	0	0	0				
PSCHAR	CVT1250N	6/29/2002	CVT1-250-N	2	0	0	0				
PSCHAR	CVT1500N	6/29/2002	CVT1-500-N	0	0	0	0				
PSCHAR	CVT2-10N	6/30/2002	CVT2-10-N	0	0	0	0				
PSCHAR	CVT2-10S	6/30/2002	CVT2-10-S	0	0	0	0				
PSCHAR	CVT2-50N	6/30/2002	CVT2-50-N	0	0	0	0				
PSCHAR	CVT2-50S	6/30/2002	CVT2-50-S	0	0	0	0				
PSCHAR	CVT2250N	6/30/2002	CVT2-250-N	0	0	0	0	37.1	10.5 *U*	1.05 *U*	
PSCHAR	CVT2500N	6/30/2002	CVT2-500-N	0	0	0	0				
PSCHAR	CVT3-10N	6/30/2002	CVT3-10-N	0	0	0	0	37.5	10.5 *U*	5.30	
PSCHAR	CVT3-10S	6/30/2002	CVT3-10-S	0	0	0	0				
PSCHAR	CVT3-50N	6/30/2002	CVT3-50-N	0	0	0	0				
PSCHAR	CVT3-50S	6/30/2002	CVT3-50-S	0	0	0	0				
PSCHAR	CVT3250N	6/30/2002	CVT3-250-N	1	0	0	0	35.4	7.50 *U*	0.750 *U*	
PSCHAR	CVT3250N	6/30/2002	CVT3-250-N	2	0	0	0	32.4	17 *U*	5.4	69
PSCHAR	CVT3500N	6/30/2002	CVT3-500-N	0	0	0	0				
PSCHAR	CVT4-10N	6/30/2002	CVT4-10-N	0	0	0	0				
PSCHAR	CVT4-10S	6/30/2002	CVT4-10-S	0	0	0	0				

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	CVT4-50N	6/30/2002	CVT4-50-N	0	0	0	0				
PSCHAR	CVT4-50S	6/30/2002	CVT4-50-S	0	0	0	0	26.0	18 *U*	3.1	150
PSCHAR	CVT4250N	6/30/2002	CVT4-250-N	0	0	0	0				
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	1	0	0	0				
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	2	0	0	0				
PSCHAR	CVT5-10N	6/30/2002	CVT5-10-N	0	0	0	0				
PSCHAR	CVT5-10S	6/30/2002	CVT5-10-S	0	0	0	0				
PSCHAR	CVT5-50N	6/30/2002	CVT5-50-N	0	0	0	0				
PSCHAR	CVT5-50S	6/30/2002	CVT5-50-S	0	0	0	0				
PSCHAR	CVT5250N	6/30/2002	CVT5-250-N	0	0	0	0	22.2	18 *U*	1.8 *U*	119
PSCHAR	CVT5500N	6/30/2002	CVT5-500-N	0	0	0	0				
PSCHAR	CVT6-10N	6/30/2002	CVT6-10-N	1	0	0	0				
PSCHAR	CVT6-10N	6/30/2002	CVT6-10-N	2	0	0	0				
PSCHAR	CVT6-50N	6/30/2002	CVT6-50-N	0	0	0	0				
PSCHAR	CVT6-50S	6/30/2002	CVT6-50-S	0	0	0	0				
PSCHAR	CVT6250N	6/30/2002	CVT6-250-N	0	0	0	0	5.75 *U*	29 *U*	2.9 *U*	74.4
PSCHAR	CVT6500N	6/30/2002	CVT6-500-N	0	0	0	0	20.5	29 *U*	2.9 *U*	85.6
PSCHAR	CVT7-10N	7/3/2002	CVT7-10-N	0	0	0	0				
PSCHAR	CVT7-50N	7/3/2002	CVT7-50-N	0	0	0	0				
PSCHAR	CVT7250N	7/3/2002	CVT7-250-N	0	0	0	0				
PSCHAR	CVT7500N	7/3/2002	CVT7-500-N	0	0	0	0				
PSCHAR	CVT8-10N	7/3/2002	CVT8-10-N	0	0	0	0				
PSCHAR	CVT8-50N	7/3/2002	CVT8-50-N	0	0	0	0				
PSCHAR	CVT8250S	7/3/2002	CVT8-250-S	0	0	0	0				
PSCHAR	CVT8500N	7/3/2002	CVT8-500-N	0	0	0	0				
PSCHAR	CVT8500S	7/3/2002	CVT8-500-S	0	0	0	0				
PSCHAR	CVT9250N	7/3/2002	CVT9-250N	0	0	0	0				
PSCHAR	PG-A1	8/23/2002	PG-A1	1	0	0	0				
PSCHAR	PG-A1	8/23/2002	PG-A1	2	0	0	0				
PSCHAR	PG-A1S	8/23/2002	PG-A1-S	0	0	0	0				
PSCHAR	PG-A3	7/27/2002	PG-A3	0	0	0	0				
PSCHAR	PG-A5	7/27/2002	PG-A5	0	0	0	0				
PSCHAR	PG-A6S	7/27/2002	PG-A6S	0	0	0	0				
PSCHAR	PG-B6	7/27/2002	PG-B6	0	0	0	0				
PSCHAR	PG-B7	7/27/2002	PG-B7	0	0	0	0				
PSCHAR	PG-B8S	7/27/2002	PG-B8-S	0	0	0	0				
PSCHAR	PG-C2	8/23/2002	PG-C2	0	0	0	0				
PSCHAR	PG-C4	8/23/2002	PG-C4	0	0	0	0				
PSCHAR	PG-C5	7/9/2002	PG-C5	0	0	0	0				
PSCHAR	PG-C6	7/27/2002	PG-C6	0	0	0	0				
PSCHAR	PG-C7	7/27/2002	PG-C7	0	0	0	0				
PSCHAR	PG-C8	7/27/2002	PG-C8	1	0	0	0				
PSCHAR	PG-C8	7/27/2002	PG-C8	2	0	0	0				

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	PG-C9	7/27/2002	PG-C9	0	0	0	0				
PSCHAR	PG-C9S	7/27/2002	PG-C9S	1	0	0	0				
PSCHAR	PG-C9S	7/27/2002	PG-C9S	2	0	0	0				
PSCHAR	PG-D4	7/9/2002	PG-D4	0	0	0	0				
PSCHAR	PG-D5	7/9/2002	PG-D5	0	0	0	0				
PSCHAR	PG-D6	7/10/2002	PG-D6	0	0	0	0				
PSCHAR	PG-D6D	7/10/2002	PGD-D6	0	0	0	0				
PSCHAR	PG-D7	7/27/2002	PG-D7	0	0	0	0				
PSCHAR	PG-D8	7/27/2002	PG-D8	0	0	0	0				
PSCHAR	PG-E1	8/23/2002	PG-E1	0	0	0	0				
PSCHAR	PG-E10	7/10/2002	PG-E10	0	0	0	0				
PSCHAR	PG-E3	7/31/2002	PG-E3	0	0	0	0				
PSCHAR	PG-E4	7/9/2002	PG-E4	0	0	0	0				
PSCHAR	PG-E5	7/26/2002	PG-E5	0	0	0	0				
PSCHAR	PG-E5S	7/26/2002	PG-E5-S	0	0	0	0				
PSCHAR	PG-F10	7/10/2002	PG-F10	0	0	0	0				
PSCHAR	PG-F4	7/31/2002	PG-F4	0	0	0	0				
PSCHAR	PG-F5	7/9/2002	PG-F5	0	0	0	0				
PSCHAR	PG-F9	7/10/2002	PG-F9	0	0	0	0				
PSCHAR	PG-G10	8/10/2002	PG-G-10	0	0	0	0				
PSCHAR	PG-G12	8/20/2002	PG-G12	0	0	0	0				
PSCHAR	PG-G2	8/23/2002	PG-G2	0	0	0	0				
PSCHAR	PG-G4	7/31/2002	PG-G4	0	0	0	0				
PSCHAR	PG-G5	7/31/2002	PG-G5	0	0	0	0				
PSCHAR	PG-G8	7/10/2002	PG-G8	0	0	0	0				
PSCHAR	PG-G8D	7/10/2002	PGD-G8	0	0	0	0				
PSCHAR	PG-G9	7/10/2002	PG-G9	1	0	0	0				
PSCHAR	PG-G9	7/10/2002	PG-G9	2	0	0	0				
PSCHAR	PG-H13	8/11/2002	PG-H-13	0	0	0	0	21.4	14 *U*	1.4 *U*	
PSCHAR	PG-H7	7/10/2002	PG-H7	0	0	0	0				
PSCHAR	PG-H7D	7/10/2002	PGD-H7	0	0	0	0				
PSCHAR	PG-H8	7/10/2002	PG-H8	0	0	0	0				
PSCHAR	PG-H8D	7/10/2002	PGD-H8	0	0	0	0				
PSCHAR	PG-I1	8/15/2002	PG-I-1	0	0	0	0				
PSCHAR	PG-I11	8/11/2002	PG-I-11	1	0	0	0				
PSCHAR	PG-I11	8/11/2002	PG-I-11	2	0	0	0				
PSCHAR	PG-I1S	8/15/2002	PG-I-1-S	0	0	0	0				
PSCHAR	PG-I3	8/16/2002	PG-I-3	0	0	0	0				
PSCHAR	PG-I7	7/10/2002	PG-I-7	0	0	0	0				
PSCHAR	PG-I9	8/10/2002	PG-I-9	0	0	0	0				
PSCHAR	PG-J12	8/11/2002	PG-J-12	0	0	0	0				
PSCHAR	PG-J5	8/16/2002	PG-J5	0	0	0	0				
PSCHAR	PG-K10	8/20/2002	PG-K-10	0	0	0	0				

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	PG-K10S	8/20/2002	PG-K-10-S	0	0	0	0				
PSCHAR	PG-K2	7/31/2002	PG-K-2	0	0	0	0				
PSCHAR	PG-K4	8/16/2002	PG-K4	0	0	0	0				
PSCHAR	PG-K6	8/20/2002	PG-K-6	0	0	0	0				
PSCHAR	PG-K8	8/20/2002	PG-K-8	0	0	0	0				
PSCHAR	PG-M1	8/15/2002	PG-M-1	0	0	0	0				
PSCHAR	PG-M3	7/31/2002	PG-M-3	0	0	0	0				
PSCHAR	PG-M5	7/31/2002	PG-M-5	0	0	0	0				
PSCHAR	PG-M7	8/20/2002	PG-M7	0	0	0	0				
PSCHAR	PG-M9	8/20/2002	PG-M9	0	0	0	0	23.5	11 *U*	1.1 *U*	
PSCHAR	PG-O2	7/28/2002	PG-O2	0	0	0	0				
PSCHAR	PG-O4	7/28/2002	PG-O4	0	0	0	0				
PSCHAR	PG-O6	7/28/2002	PG-O6	0	0	0	0				
PSCHAR	PG-P1	7/28/2002	PG-P1	0	0	0	0				
PSCHAR	PG-P3	7/28/2002	PG-P3	0	0	0	0				
PSCHAR	RAT1-10E	6/27/2002	RAT1-10E	0	0	0	0				
PSCHAR	RAT1-50E	6/27/2002	RAT1-50E	0	0	0	0				
PSCHAR	RAT1250E	6/27/2002	RAT1-250E	0	0	0	0				
PSCHAR	RAT1500E	6/27/2002	RAT1-500E	0	0	0	0				
PSCHAR	RAT2-10E	6/27/2002	RAT2-10E	0	0	0	0				
PSCHAR	RAT2-50E	6/27/2002	RAT2-50E	0	0	0	0				
PSCHAR	RAT2250E	6/27/2002	RAT2-250E	1	0	0	0				
PSCHAR	RAT2500E	6/27/2002	RAT2-500E	0	0	0	0				
PSCHAR	RAT3-10E	6/27/2002	RAT3-10E	0	0	0	0				
PSCHAR	RAT3-50E	6/27/2002	RAT3-50E	1	0	0	0	15.1	18 *U*	1.8 *U*	
PSCHAR	RAT3-50E	6/27/2002	RAT3-50E	2	0	0	0				
PSCHAR	RAT3250E	6/27/2002	RAT3-250E	0	0	0	0				
PSCHAR	RAT3500E	6/27/2002	RAT3-500E	0	0	0	0				
PSCHAR	RAT4-10E	6/27/2002	RAT4-10E	0	0	0	0				
PSCHAR	RAT4-10W	7/2/2002	RAT4-10-W	0	0	0	0				
PSCHAR	RAT4-50E	6/27/2002	RAT4-50E	0	0	0	0				
PSCHAR	RAT4250E	6/27/2002	RAT4-250E	0	0	0	0				
PSCHAR	RAT4500E	6/27/2002	RAT4-500E	0	0	0	0				
PSCHAR	RAT5-10N	6/27/2002	RAT5-10N	1	0	0	0				
PSCHAR	RAT5-10N	6/27/2002	RAT5-10N	2	0	0	0				
PSCHAR	RAT5-50N	6/27/2002	RAT5-50N	0	0	0	0				
PSCHAR	RAT5250N	6/27/2002	RAT5-250N	0	0	0	0				
PSCHAR	RAT5500N	6/27/2002	RAT5-500N	0	0	0	0				
PSCHAR	ROT1-0S	7/3/2002	ROT1-OS	0	0	0	0				
PSCHAR	ROT1-10N	7/3/2002	ROT1-10N	0	0	0	0				
PSCHAR	ROT1-10S	7/3/2002	ROT1-10-S	0	0	0	0				
PSCHAR	ROT1-50N	7/3/2002	ROT1-50N	0	0	0	0				
PSCHAR	ROT1-50S	7/3/2002	ROT1-50-S	1	0	0	0				

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	ROT1-50S	7/3/2002	ROT1-50-S	2	0	0	0				
PSCHAR	ROT1250S	7/3/2002	ROT1-250S	0	0	0	0				
PSCHAR	ROT1500S	7/3/2002	ROT1-500-S	1	0	0	0				
PSCHAR	ROT1500S	7/3/2002	ROT1-500-S	2	0	0	0				
PSCHAR	ROT2-0NA	7/4/2002	ROT2-0NA	0	0	0	3.810976				
PSCHAR	ROT2-0SA	7/4/2002	ROT2-OSA	0	0	0	3.810976				
PSCHAR	ROT2-10N	7/4/2002	ROT2-10N	1	0	0	0				
PSCHAR	ROT2-10N	7/4/2002	ROT2-10N	2	0	0	0				
PSCHAR	ROT2-10S	7/5/2002	ROT2-10-S	0	0	0	0				
PSCHAR	ROT2-50N	7/4/2002	ROT2-50N	0	0	0	0				
PSCHAR	ROT2-50S	7/5/2002	ROT2-50-S	0	0	0	0				
PSCHAR	ROT2250S	7/5/2002	ROT2-250-S	0	0	0	0				
PSCHAR	ROT2500S	7/5/2002	ROT2-500-S	0	0	0	0				
PSCHAR	ROT3-0NA	7/4/2002	ROT3-0NA	0	0	0	3.810976				
PSCHAR	ROT3-0SA	7/4/2002	ROT3-OSA	0	0	0	5.081301				
PSCHAR	ROT3-10N	7/4/2002	ROT3-10N	0	0	0	0				
PSCHAR	ROT3-10S	7/5/2002	ROT3-10-S	0	0	0	0				
PSCHAR	ROT3-50N	7/4/2002	ROT3-50N	0	0	0	0				
PSCHAR	ROT3-50S	7/5/2002	ROT3-50-S	0	0	0	0				
PSCHAR	ROT3250S	7/5/2002	ROT3-250-S	0	0	0	0				
PSCHAR	ROT3500S	7/5/2002	ROT3-500-S	0	0	0	0				
PSCHAR	ROT4-0NA	7/4/2002	ROT4-0NA	0	0	0	3.810976				
PSCHAR	ROT4-0SA	7/4/2002	ROT4-OSA	0	0	0	1.905488				
PSCHAR	ROT4-10N	7/4/2002	ROT4-10N	1	0	0	0				
PSCHAR	ROT4-10N	7/4/2002	ROT4-10N	2	0	0	0				
PSCHAR	ROT4-10S	7/5/2002	ROT4-10-S	0	0	0	0				
PSCHAR	ROT4-50N	7/4/2002	ROT4-50N	0	0	0	0				
PSCHAR	ROT4-50S	7/5/2002	ROT4-50-S	0	0	0	0				
PSCHAR	ROT4250S	7/5/2002	ROT4-250-S	0	0	0	0				
PSCHAR	ROT4500S	7/5/2002	ROT4-500-S	0	0	0	0				
PSCHAR	ROT5-0NA	7/4/2002	ROT5-0NA	0	0	0	3.810976				
PSCHAR	ROT5-0SA	7/4/2002	ROT5-OSA	0	0	0	2.54065				
PSCHAR	ROT5-10N	7/4/2002	ROT5-10N	0	0	0	0				
PSCHAR	ROT5-50N	7/4/2002	ROT5-50N	0	0	0	0				
PSCHAR	ROT6-0NA	7/4/2002	ROT6-0NA	0	0	0	12.70325				
PSCHAR	ROT6-0SA	7/4/2002	ROT6-OSA	0	0	0	5.081301				
PSCHAR	ROT6-10N	7/4/2002	ROT6-10N	0	0	0	0				
PSCHAR	ROT6-50N	7/4/2002	ROT6-50N	0	0	0	0				
PSCHAR	ROT7-50S	7/5/2002	ROT7-50-S	0	0	0	0				
PSCHAR	ROT7250S	7/5/2002	ROT7-250-S	0	0	0	0				
PSCHAR	ROT7500S	7/5/2002	ROT7-500-S	0	0	0	0				
PSCHAR	ROT8500S	7/5/2002	ROT8-500-S	0	0	0	0				
PSCHAR	ROT9-50N	7/5/2002	ROT9-50N	0	0	0	0				

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PSCHAR	ROT9-50S	7/5/2002	ROT9-50-S	0	0	0	0				
PSCHAR	ROT9250S	7/5/2002	ROT9-250-S	0	0	0	0				
PSCHAR	ROT9500S	7/5/2002	ROT9-500-S	0	0	0	0				
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2				
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2				
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2				
ENSR92	TCA1	9/1/1992	TCA1	0	0	0	0				
ENSR92	TCA2	9/1/1992	TCA2	0	0	0	0				
ENSR92	TCA3	9/1/1992	TCA3	0	0	0	0				
ENSR92	TCA4	9/1/1992	TCA4	0	0	0	0				
ENSR92	TCA5	9/1/1992	TCA5	0	0	0	0				
ENSR92	TCA6	9/1/1992	TCA6	0	0	0	0				
ENSR92	TCA7	9/1/1992	TCA7	0	0	0	0				
ENSR92	TCA8	9/1/1992	TCA8	0	0	0	0				
ENSR92	TCB1	9/1/1992	TCB1	0	0	0	0				
ENSR92	TCB2	9/1/1992	TCB2	0	0	0	0				
ENSR92	TCB3	9/1/1992	TCB3	0	0	0	0				
ENSR92	TCB4	9/1/1992	TCB4	0	0	0	0				
ENSR92	TCB5	9/1/1992	TCB5	0	0	0	0				
ENSR92	TCB6	9/1/1992	TCB6	0	0	0	0				
ENSR92	TCB7	9/1/1992	TCB7	0	0	0	0				
ENSR92	TCB8	9/1/1992	TCB8	0	0	0	0				
ENSR92	TCC1	9/1/1992	TCC1	0	0	0	0				
ENSR92	TCC2	9/1/1992	TCC2	0	0	0	0				
ENSR92	TCC3	9/1/1992	TCC3	0	0	0	0				
ENSR92	TCC4	9/1/1992	TCC4	0	0	0	0				
ENSR92	TCC5	9/1/1992	TCC5	0	0	0	0				
ENSR92	TCC6	9/1/1992	TCC6	0	0	0	0				
ENSR92	TCC7	9/1/1992	TCC7	0	0	0	0				
ENSR92	TCC8	9/1/1992	TCC8	0	0	0	0				
ENSR92	TCD1	9/1/1992	TCD1	0	0	0	0				
ENSR92	TCD2	9/1/1992	TCD2	0	0	0	0				
ENSR92	TCD3	9/1/1992	TCD3	0	0	0	0				
ENSR92	TCD4	9/1/1992	TCD4	0	0	0	0				
ENSR92	TCD5	9/1/1992	TCD5	0	0	0	0				
ENSR92	TCD6	9/1/1992	TCD6	0	0	0	0				
ENSR92	TCD7	9/1/1992	TCD7	0	0	0	0				
ENSR92	TCD8	9/1/1992	TCD8	0	0	0	0				
ENSR92	TCE1	9/1/1992	TCE1	0	0	0	0				
ENSR92	TCE2	9/1/1992	TCE2	0	0	0	0				
ENSR92	TCE3	9/1/1992	TCE3	0	0	0	0				
ENSR92	TCE4	9/1/1992	TCE4	0	0	0	0				
ENSR92	TCE5	9/1/1992	TCE5	0	0	0	0				

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
ENSR92	TCE6	9/1/1992	TCE6	0	0	0	0				
ENSR92	TCE7	9/1/1992	TCE7	0	0	0	0				
ENSR92	TCE8	9/1/1992	TCE8	0	0	0	0				
PHASE1RA	TT1-0010	7/17/2003	TS0013	0	0	0	2	21.7 *J*	2.9	9.04	19.3
PHASE1RA	TT1-0100	7/17/2003	TS0012	0	0	0	2	7.45 *J*	3.3	5.41	18.3
PHASE1RA	TT1-1000	7/19/2003	TS0015	0	0	0	2	8.94 *J*	0.7 *J*	0.37	13.8
PHASE1RA	TT2-0010	7/17/2003	TS0011	0	0	0	2	17.6 *J*	1.1 *J*	1.00	32.1
PHASE1RA	TT2-0100	7/17/2003	TS0010	0	0	0	2	11.2 *J*	1 *J*	0.63	27.5
PHASE1RA	TT2-1000	7/19/2003	TS0014	0	0	0	2	1.58 *J*	0.3 *J*	0.04	24.7
PHASE1RA	TT3-0010	7/17/2003	TS0009	0	0	0	2	20.6 *J*	0.8 *J*	0.53	75.6
PHASE1RA	TT3-0100	7/17/2003	TS0008	0	0	0	2	8.89 *J*	0.6 *J*	0.35	30.8
PHASE1RA	TT3-1000	7/21/2003	TS0027	0	0	0	2	2.78 *J*	0.4 *J*	0.05	4.8
PHASE1RA	TT4-0010	7/21/2003	TS0028	0	0	0	2	32.5	1.9 *J*	1.97	67.1
PHASE1RA	TT4-0100	7/21/2003	TS0029	1	0	0	2	15.6	1.2 *J*	0.38	45.8
PHASE1RA	TT4-0100	7/21/2003	TS0029	2	0	0	2	14.4	1.4 *J*	0.58	62.1
PHASE1RA	TT4-1000	7/21/2003	TS0026	0	0	0	3	7.05 *J*	0.9 *J*	0.6	21.2

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	CAG-D33	7/3/2002	CAG-D-33	0	0	0	0				1,410
PSCHAR	CAG-F35	7/3/2002	CAG-F-35	0	0	0	0				15,100
PSCHAR	CAG-J35	7/3/2002	CAG-J-35	0	0	0	0				17,600
PSCHAR	CIT1-0NA	6/29/2002	C1T1-0N-A	0	0	0	5.081301				1,770
PSCHAR	CIT1-10N	6/29/2002	C1T1-10-N	0	0	0	0				393
PSCHAR	CIT1-50N	6/29/2002	C1T1-50-N	0	0	0	0				66.6
PSCHAR	CIT1250N	6/29/2002	C1T1-250-N	1	0	0	0				172
PSCHAR	CIT1500N	6/29/2002	C1T1-500-N	0	0	0	0				237
PSCHAR	CIT2-0NA	6/29/2002	C1T2-0N-A	0	0	0	12.70325				9,870
PSCHAR	CIT2-10N	6/29/2002	C1T2-10-N	0	0	0	0			5.50	9,340
PSCHAR	CIT2-50N	6/29/2002	C1T2-50-N	0	0	0	0				6,640
PSCHAR	CIT2250N	6/29/2002	C1T2-250-N	0	0	0	0				48.4
PSCHAR	CIT2500N	6/29/2002	C1T2-500-N	0	0	0	0				82.7
PSCHAR	CIT3-0NA	6/29/2002	C1T3-0N-A	0	0	0	10.1626				1,640
PSCHAR	CIT3-10N	6/29/2002	C1T3-10-N	1	0	0	0				95.2
PSCHAR	CIT3-10N	6/29/2002	C1T3-10-N	2	0	0	0				94.6
PSCHAR	CIT3-50N	6/29/2002	C1T3-50-N	0	0	0	0				54.8
PSCHAR	CIT3250N	6/29/2002	C1T3-250-N	0	0	0	0				61.0
PSCHAR	CIT3500N	6/29/2002	C1T3-500-N	0	0	0	0				77.6
PSCHAR	CIT4-0WA	6/29/2002	C1T4-OW-A	0	0	0	0				81.2
PSCHAR	CIT4-10W	6/29/2002	C1T4-10-W	0	0	0	0				60.6
PSCHAR	CIT4-50W	6/29/2002	C1T4-50-W	0	0	0	0				65.6
PSCHAR	CIT4250W	6/29/2002	C1T4-250-W	0	0	0	0				110
PSCHAR	CIT4500W	6/29/2002	C1T4-500-W	0	0	0	0			34.3	63.7
PSCHAR	CVT1-50S	6/29/2002	CVT1-50-S	0	0	0	0				1,730
PSCHAR	CVT1250N	6/29/2002	CVT1-250-N	1	0	0	0				72.2
PSCHAR	CVT1250N	6/29/2002	CVT1-250-N	2	0	0	0				66.2
PSCHAR	CVT1500N	6/29/2002	CVT1-500-N	0	0	0	0				51.3
PSCHAR	CVT2-10N	6/30/2002	CVT2-10-N	0	0	0	0				436
PSCHAR	CVT2-10S	6/30/2002	CVT2-10-S	0	0	0	0				9,370
PSCHAR	CVT2-50N	6/30/2002	CVT2-50-N	0	0	0	0				247
PSCHAR	CVT2-50S	6/30/2002	CVT2-50-S	0	0	0	0				940
PSCHAR	CVT2250N	6/30/2002	CVT2-250-N	0	0	0	0			46.5	689
PSCHAR	CVT2500N	6/30/2002	CVT2-500-N	0	0	0	0				234
PSCHAR	CVT3-10N	6/30/2002	CVT3-10-N	0	0	0	0			17.2	15,500
PSCHAR	CVT3-10S	6/30/2002	CVT3-10-S	0	0	0	0				207
PSCHAR	CVT3-50N	6/30/2002	CVT3-50-N	0	0	0	0				7,820
PSCHAR	CVT3-50S	6/30/2002	CVT3-50-S	0	0	0	0				6,560
PSCHAR	CVT3250N	6/30/2002	CVT3-250-N	1	0	0	0			33.2	382
PSCHAR	CVT3250N	6/30/2002	CVT3-250-N	2	0	0	0		8.5 *U*	22.4	13,000
PSCHAR	CVT3500N	6/30/2002	CVT3-500-N	0	0	0	0				156
PSCHAR	CVT4-10N	6/30/2002	CVT4-10-N	0	0	0	0				8,480
PSCHAR	CVT4-10S	6/30/2002	CVT4-10-S	0	0	0	0				5,550

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	CVT4-50N	6/30/2002	CVT4-50-N	0	0	0	0				6,910
PSCHAR	CVT4-50S	6/30/2002	CVT4-50-S	0	0	0	0		9.0 *U*	32.3	6,950
PSCHAR	CVT4250N	6/30/2002	CVT4-250-N	0	0	0	0				1,030
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	1	0	0	0				109
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	2	0	0	0				142
PSCHAR	CVT5-10N	6/30/2002	CVT5-10-N	0	0	0	0				6,980
PSCHAR	CVT5-10S	6/30/2002	CVT5-10-S	0	0	0	0				9,280
PSCHAR	CVT5-50N	6/30/2002	CVT5-50-N	0	0	0	0				3,860
PSCHAR	CVT5-50S	6/30/2002	CVT5-50-S	0	0	0	0				2,860
PSCHAR	CVT5250N	6/30/2002	CVT5-250-N	0	0	0	0		9.0 *U*	25.2	3,550
PSCHAR	CVT5500N	6/30/2002	CVT5-500-N	0	0	0	0				224
PSCHAR	CVT6-10N	6/30/2002	CVT6-10-N	1	0	0	0				14,700
PSCHAR	CVT6-10N	6/30/2002	CVT6-10-N	2	0	0	0				82,700
PSCHAR	CVT6-50N	6/30/2002	CVT6-50-N	0	0	0	0				1,690
PSCHAR	CVT6-50S	6/30/2002	CVT6-50-S	0	0	0	0				5,180
PSCHAR	CVT6250N	6/30/2002	CVT6-250-N	0	0	0	0		15 *U*	2.9 *U*	509
PSCHAR	CVT6500N	6/30/2002	CVT6-500-N	0	0	0	0		15 *U*	10	1,150
PSCHAR	CVT7-10N	7/3/2002	CVT7-10-N	0	0	0	0				12,300 *J*
PSCHAR	CVT7-50N	7/3/2002	CVT7-50-N	0	0	0	0				5,030 *J*
PSCHAR	CVT7250N	7/3/2002	CVT7-250-N	0	0	0	0				13,400 *J*
PSCHAR	CVT7500N	7/3/2002	CVT7-500-N	0	0	0	0				48.6 *J*
PSCHAR	CVT8-10N	7/3/2002	CVT8-10-N	0	0	0	0				3,700 *J*
PSCHAR	CVT8-50N	7/3/2002	CVT8-50-N	0	0	0	0				115
PSCHAR	CVT8250S	7/3/2002	CVT8-250-S	0	0	0	0				121
PSCHAR	CVT8500N	7/3/2002	CVT8-500-N	0	0	0	0				442
PSCHAR	CVT8500S	7/3/2002	CVT8-500-S	0	0	0	0				49.0
PSCHAR	CVT9250N	7/3/2002	CVT9-250N	0	0	0	0				309
PSCHAR	PG-A1	8/23/2002	PG-A1	1	0	0	0				75.2
PSCHAR	PG-A1	8/23/2002	PG-A1	2	0	0	0				52.0
PSCHAR	PG-A1S	8/23/2002	PG-A1-S	0	0	0	0				38.1
PSCHAR	PG-A3	7/27/2002	PG-A3	0	0	0	0				439
PSCHAR	PG-A5	7/27/2002	PG-A5	0	0	0	0				92.1
PSCHAR	PG-A6S	7/27/2002	PG-A6S	0	0	0	0				116
PSCHAR	PG-B6	7/27/2002	PG-B6	0	0	0	0				42.9
PSCHAR	PG-B7	7/27/2002	PG-B7	0	0	0	0				95.5
PSCHAR	PG-B8S	7/27/2002	PG-B8-S	0	0	0	0				112
PSCHAR	PG-C2	8/23/2002	PG-C2	0	0	0	0				72.0
PSCHAR	PG-C4	8/23/2002	PG-C4	0	0	0	0				134
PSCHAR	PG-C5	7/9/2002	PG-C5	0	0	0	0				189 *J*
PSCHAR	PG-C6	7/27/2002	PG-C6	0	0	0	0				186
PSCHAR	PG-C7	7/27/2002	PG-C7	0	0	0	0				197
PSCHAR	PG-C8	7/27/2002	PG-C8	1	0	0	0				1,310
PSCHAR	PG-C8	7/27/2002	PG-C8	2	0	0	0				1,110

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	PG-C9	7/27/2002	PG-C9	0	0	0	0				1,110
PSCHAR	PG-C9S	7/27/2002	PG-C9S	1	0	0	0				69.7
PSCHAR	PG-C9S	7/27/2002	PG-C9S	2	0	0	0				37.7
PSCHAR	PG-D4	7/9/2002	PG-D4	0	0	0	0				79.1 *J*
PSCHAR	PG-D5	7/9/2002	PG-D5	0	0	0	0				101 *J*
PSCHAR	PG-D6	7/10/2002	PG-D6	0	0	0	0				131 *J*
PSCHAR	PG-D6D	7/10/2002	PGD-D6	0	0	0	0				48.0
PSCHAR	PG-D7	7/27/2002	PG-D7	0	0	0	0				530
PSCHAR	PG-D8	7/27/2002	PG-D8	0	0	0	0				444
PSCHAR	PG-E1	8/23/2002	PG-E1	0	0	0	0				43.7
PSCHAR	PG-E10	7/10/2002	PG-E10	0	0	0	0				61.6
PSCHAR	PG-E3	7/31/2002	PG-E3	0	0	0	0				124
PSCHAR	PG-E4	7/9/2002	PG-E4	0	0	0	0				55.3 *J*
PSCHAR	PG-E5	7/26/2002	PG-E5	0	0	0	0				160
PSCHAR	PG-E5S	7/26/2002	PG-E5-S	0	0	0	0				79.4
PSCHAR	PG-F10	7/10/2002	PG-F10	0	0	0	0				84.0 *J*
PSCHAR	PG-F4	7/31/2002	PG-F4	0	0	0	0				177
PSCHAR	PG-F5	7/9/2002	PG-F5	0	0	0	0				53.4 *J*
PSCHAR	PG-F9	7/10/2002	PG-F9	0	0	0	0				37.4 *J*
PSCHAR	PG-G10	8/10/2002	PG-G-10	0	0	0	0				263
PSCHAR	PG-G12	8/20/2002	PG-G12	0	0	0	0				96.2
PSCHAR	PG-G2	8/23/2002	PG-G2	0	0	0	0				103
PSCHAR	PG-G4	7/31/2002	PG-G4	0	0	0	0				186
PSCHAR	PG-G5	7/31/2002	PG-G5	0	0	0	0				211
PSCHAR	PG-G8	7/10/2002	PG-G8	0	0	0	0				425 *J*
PSCHAR	PG-G8D	7/10/2002	PGD-G8	0	0	0	0				883
PSCHAR	PG-G9	7/10/2002	PG-G9	1	0	0	0				15.0 *J*
PSCHAR	PG-G9	7/10/2002	PG-G9	2	0	0	0				29.5
PSCHAR	PG-H13	8/11/2002	PG-H-13	0	0	0	0			20.7	52.9
PSCHAR	PG-H7	7/10/2002	PG-H7	0	0	0	0				79.2 *J*
PSCHAR	PG-H7D	7/10/2002	PGD-H7	0	0	0	0				47.1
PSCHAR	PG-H8	7/10/2002	PG-H8	0	0	0	0				57.2 *J*
PSCHAR	PG-H8D	7/10/2002	PGD-H8	0	0	0	0				56.0
PSCHAR	PG-I1	8/15/2002	PG-I-1	0	0	0	0				150
PSCHAR	PG-I11	8/11/2002	PG-I-11	1	0	0	0				71.7
PSCHAR	PG-I11	8/11/2002	PG-I-11	2	0	0	0				50.8
PSCHAR	PG-I1S	8/15/2002	PG-I-1-S	0	0	0	0				31.3
PSCHAR	PG-I3	8/16/2002	PG-I-3	0	0	0	0				121
PSCHAR	PG-I7	7/10/2002	PG-I-7	0	0	0	0				49.3 *J*
PSCHAR	PG-I9	8/10/2002	PG-I-9	0	0	0	0				988
PSCHAR	PG-J12	8/11/2002	PG-J-12	0	0	0	0				71.2
PSCHAR	PG-J5	8/16/2002	PG-J5	0	0	0	0				249
PSCHAR	PG-K10	8/20/2002	PG-K-10	0	0	0	0				231

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	PG-K10S	8/20/2002	PG-K-10-S	0	0	0	0				115
PSCHAR	PG-K2	7/31/2002	PG-K-2	0	0	0	0				391
PSCHAR	PG-K4	8/16/2002	PG-K4	0	0	0	0				459
PSCHAR	PG-K6	8/20/2002	PG-K-6	0	0	0	0				103
PSCHAR	PG-K8	8/20/2002	PG-K-8	0	0	0	0				336
PSCHAR	PG-M1	8/15/2002	PG-M-1	0	0	0	0				124
PSCHAR	PG-M3	7/31/2002	PG-M-3	0	0	0	0				85
PSCHAR	PG-M5	7/31/2002	PG-M-5	0	0	0	0				94.9
PSCHAR	PG-M7	8/20/2002	PG-M7	0	0	0	0				34.5
PSCHAR	PG-M9	8/20/2002	PG-M9	0	0	0	0			12.3	40.5
PSCHAR	PG-O2	7/28/2002	PG-O2	0	0	0	0				191
PSCHAR	PG-O4	7/28/2002	PG-O4	0	0	0	0				93
PSCHAR	PG-O6	7/28/2002	PG-O6	0	0	0	0				599
PSCHAR	PG-P1	7/28/2002	PG-P1	0	0	0	0				163
PSCHAR	PG-P3	7/28/2002	PG-P3	0	0	0	0				180
PSCHAR	RAT1-10E	6/27/2002	RAT1-10E	0	0	0	0				350
PSCHAR	RAT1-50E	6/27/2002	RAT1-50E	0	0	0	0				184
PSCHAR	RAT1250E	6/27/2002	RAT1-250E	0	0	0	0				149
PSCHAR	RAT1500E	6/27/2002	RAT1-500E	0	0	0	0				125
PSCHAR	RAT2-10E	6/27/2002	RAT2-10E	0	0	0	0				252
PSCHAR	RAT2-50E	6/27/2002	RAT2-50E	0	0	0	0				79.2
PSCHAR	RAT2250E	6/27/2002	RAT2-250E	1	0	0	0				76.9
PSCHAR	RAT2500E	6/27/2002	RAT2-500E	0	0	0	0				96.3
PSCHAR	RAT3-10E	6/27/2002	RAT3-10E	0	0	0	0				2,640
PSCHAR	RAT3-50E	6/27/2002	RAT3-50E	1	0	0	0			6.2	110
PSCHAR	RAT3-50E	6/27/2002	RAT3-50E	2	0	0	0				100
PSCHAR	RAT3250E	6/27/2002	RAT3-250E	0	0	0	0				67.3
PSCHAR	RAT3500E	6/27/2002	RAT3-500E	0	0	0	0				72.5
PSCHAR	RAT4-10E	6/27/2002	RAT4-10E	0	0	0	0				469
PSCHAR	RAT4-10W	7/2/2002	RAT4-10-W	0	0	0	0				1,370 *J*
PSCHAR	RAT4-50E	6/27/2002	RAT4-50E	0	0	0	0				94.4
PSCHAR	RAT4250E	6/27/2002	RAT4-250E	0	0	0	0				103
PSCHAR	RAT4500E	6/27/2002	RAT4-500E	0	0	0	0				137
PSCHAR	RAT5-10N	6/27/2002	RAT5-10N	1	0	0	0				533
PSCHAR	RAT5-10N	6/27/2002	RAT5-10N	2	0	0	0				114
PSCHAR	RAT5-50N	6/27/2002	RAT5-50N	0	0	0	0				132
PSCHAR	RAT5250N	6/27/2002	RAT5-250N	0	0	0	0				121
PSCHAR	RAT5500N	6/27/2002	RAT5-500N	0	0	0	0				433
PSCHAR	ROT1-0S	7/3/2002	ROT1-OS	0	0	0	0				7,770
PSCHAR	ROT1-10N	7/3/2002	ROT1-10N	0	0	0	0				3,590
PSCHAR	ROT1-10S	7/3/2002	ROT1-10-S	0	0	0	0				8,250
PSCHAR	ROT1-50N	7/3/2002	ROT1-50N	0	0	0	0				4,370
PSCHAR	ROT1-50S	7/3/2002	ROT1-50-S	1	0	0	0				194

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	ROT1-50S	7/3/2002	ROT1-50-S	2	0	0	0				1,140
PSCHAR	ROT1250S	7/3/2002	ROT1-250S	0	0	0	0				839
PSCHAR	ROT1500S	7/3/2002	ROT1-500-S	1	0	0	0				476
PSCHAR	ROT1500S	7/3/2002	ROT1-500-S	2	0	0	0				1,810
PSCHAR	ROT2-0NA	7/4/2002	ROT2-0NA	0	0	0	3.810976				5,820 *J*
PSCHAR	ROT2-0SA	7/4/2002	ROT2-OSA	0	0	0	3.810976				1,050
PSCHAR	ROT2-10N	7/4/2002	ROT2-10N	1	0	0	0				405
PSCHAR	ROT2-10N	7/4/2002	ROT2-10N	2	0	0	0				1,030
PSCHAR	ROT2-10S	7/5/2002	ROT2-10-S	0	0	0	0				1,740
PSCHAR	ROT2-50N	7/4/2002	ROT2-50N	0	0	0	0				888
PSCHAR	ROT2-50S	7/5/2002	ROT2-50-S	0	0	0	0				1,890
PSCHAR	ROT2250S	7/5/2002	ROT2-250-S	0	0	0	0				199
PSCHAR	ROT2500S	7/5/2002	ROT2-500-S	0	0	0	0				105
PSCHAR	ROT3-0NA	7/4/2002	ROT3-0NA	0	0	0	3.810976				11,500
PSCHAR	ROT3-0SA	7/4/2002	ROT3-OSA	0	0	0	5.081301				5,970
PSCHAR	ROT3-10N	7/4/2002	ROT3-10N	0	0	0	0				2,050
PSCHAR	ROT3-10S	7/5/2002	ROT3-10-S	0	0	0	0				4,960
PSCHAR	ROT3-50N	7/4/2002	ROT3-50N	0	0	0	0				4,520
PSCHAR	ROT3-50S	7/5/2002	ROT3-50-S	0	0	0	0				1,200
PSCHAR	ROT3250S	7/5/2002	ROT3-250-S	0	0	0	0				376
PSCHAR	ROT3500S	7/5/2002	ROT3-500-S	0	0	0	0				103
PSCHAR	ROT4-0NA	7/4/2002	ROT4-0NA	0	0	0	3.810976				6,720
PSCHAR	ROT4-0SA	7/4/2002	ROT4-OSA	0	0	0	1.905488				7,010
PSCHAR	ROT4-10N	7/4/2002	ROT4-10N	1	0	0	0				7,230
PSCHAR	ROT4-10N	7/4/2002	ROT4-10N	2	0	0	0				7,620
PSCHAR	ROT4-10S	7/5/2002	ROT4-10-S	0	0	0	0				7,410
PSCHAR	ROT4-50N	7/4/2002	ROT4-50N	0	0	0	0				7,290
PSCHAR	ROT4-50S	7/5/2002	ROT4-50-S	0	0	0	0				202
PSCHAR	ROT4250S	7/5/2002	ROT4-250-S	0	0	0	0				466
PSCHAR	ROT4500S	7/5/2002	ROT4-500-S	0	0	0	0				470
PSCHAR	ROT5-0NA	7/4/2002	ROT5-0NA	0	0	0	3.810976				11,000
PSCHAR	ROT5-0SA	7/4/2002	ROT5-OSA	0	0	0	2.54065				5,670
PSCHAR	ROT5-10N	7/4/2002	ROT5-10N	0	0	0	0				1,990
PSCHAR	ROT5-50N	7/4/2002	ROT5-50N	0	0	0	0				5,830
PSCHAR	ROT6-0NA	7/4/2002	ROT6-0NA	0	0	0	12.70325				23,800
PSCHAR	ROT6-0SA	7/4/2002	ROT6-OSA	0	0	0	5.081301				10,200
PSCHAR	ROT6-10N	7/4/2002	ROT6-10N	0	0	0	0				3,740
PSCHAR	ROT6-50N	7/4/2002	ROT6-50N	0	0	0	0				11,000
PSCHAR	ROT7-50S	7/5/2002	ROT7-50-S	0	0	0	0				5,680
PSCHAR	ROT7250S	7/5/2002	ROT7-250-S	0	0	0	0				514
PSCHAR	ROT7500S	7/5/2002	ROT7-500-S	0	0	0	0				42.6
PSCHAR	ROT8500S	7/5/2002	ROT8-500-S	0	0	0	0				36.1
PSCHAR	ROT9-50N	7/5/2002	ROT9-50N	0	0	0	0				7,580 *J*

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PSCHAR	ROT9-50S	7/5/2002	ROT9-50-S	0	0	0	0				432
PSCHAR	ROT9250S	7/5/2002	ROT9-250-S	0	0	0	0				245
PSCHAR	ROT9500S	7/5/2002	ROT9-500-S	0	0	0	0				50.2
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2				
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2				
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2				
ENSR92	TCA1	9/1/1992	TCA1	0	0	0	0				50.2
ENSR92	TCA2	9/1/1992	TCA2	0	0	0	0				38.9
ENSR92	TCA3	9/1/1992	TCA3	0	0	0	0				287.2
ENSR92	TCA4	9/1/1992	TCA4	0	0	0	0				148.9
ENSR92	TCA5	9/1/1992	TCA5	0	0	0	0				354.4
ENSR92	TCA6	9/1/1992	TCA6	0	0	0	0				296.8
ENSR92	TCA7	9/1/1992	TCA7	0	0	0	0				213.0
ENSR92	TCA8	9/1/1992	TCA8	0	0	0	0				71.8
ENSR92	TCB1	9/1/1992	TCB1	0	0	0	0				46.4
ENSR92	TCB2	9/1/1992	TCB2	0	0	0	0				59.3
ENSR92	TCB3	9/1/1992	TCB3	0	0	0	0				67.6
ENSR92	TCB4	9/1/1992	TCB4	0	0	0	0				114.9
ENSR92	TCB5	9/1/1992	TCB5	0	0	0	0				63.1
ENSR92	TCB6	9/1/1992	TCB6	0	0	0	0				330.0
ENSR92	TCB7	9/1/1992	TCB7	0	0	0	0				55.1
ENSR92	TCB8	9/1/1992	TCB8	0	0	0	0				30.9
ENSR92	TCC1	9/1/1992	TCC1	0	0	0	0				42.3
ENSR92	TCC2	9/1/1992	TCC2	0	0	0	0				37.7
ENSR92	TCC3	9/1/1992	TCC3	0	0	0	0				56.6
ENSR92	TCC4	9/1/1992	TCC4	0	0	0	0				70.8
ENSR92	TCC5	9/1/1992	TCC5	0	0	0	0				75.8
ENSR92	TCC6	9/1/1992	TCC6	0	0	0	0				106.8
ENSR92	TCC7	9/1/1992	TCC7	0	0	0	0				36.9
ENSR92	TCC8	9/1/1992	TCC8	0	0	0	0				42.8
ENSR92	TCD1	9/1/1992	TCD1	0	0	0	0				57.7
ENSR92	TCD2	9/1/1992	TCD2	0	0	0	0				71.7
ENSR92	TCD3	9/1/1992	TCD3	0	0	0	0				86.7
ENSR92	TCD4	9/1/1992	TCD4	0	0	0	0				49.9
ENSR92	TCD5	9/1/1992	TCD5	0	0	0	0				71.7
ENSR92	TCD6	9/1/1992	TCD6	0	0	0	0				77.1
ENSR92	TCD7	9/1/1992	TCD7	0	0	0	0				87.2
ENSR92	TCD8	9/1/1992	TCD8	0	0	0	0				55.0
ENSR92	TCE1	9/1/1992	TCE1	0	0	0	0				35.3
ENSR92	TCE2	9/1/1992	TCE2	0	0	0	0				50.1
ENSR92	TCE3	9/1/1992	TCE3	0	0	0	0				110.0
ENSR92	TCE4	9/1/1992	TCE4	0	0	0	0				208.7
ENSR92	TCE5	9/1/1992	TCE5	0	0	0	0				297.1

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
ENSR92	TCE6	9/1/1992	TCE6	0	0	0	0				541.5
ENSR92	TCE7	9/1/1992	TCE7	0	0	0	0				389.6
ENSR92	TCE8	9/1/1992	TCE8	0	0	0	0				137.1
PHASE1RA	TT1-0010	7/17/2003	TS0013	0	0	0	2	1.58 *J*	7.7 *J*	16.8 *J*	11,500
PHASE1RA	TT1-0100	7/17/2003	TS0012	0	0	0	2	0.723 *J*	10.6 *J*	3.7 *J*	15,000
PHASE1RA	TT1-1000	7/19/2003	TS0015	0	0	0	2	0.105 *J*	9.9 *J*	1.5 *J*	1,150
PHASE1RA	TT2-0010	7/17/2003	TS0011	0	0	0	2	0.276 *J*	2.2 *U*	8.9 *J*	3,090
PHASE1RA	TT2-0100	7/17/2003	TS0010	0	0	0	2	0.162 *J*	2.3 *U*	5 *J*	2,040
PHASE1RA	TT2-1000	7/19/2003	TS0014	0	0	0	2	0.014 *J*	14 *J*	0.7 *J*	251
PHASE1RA	TT3-0010	7/17/2003	TS0009	0	0	0	2	0.25 *J*	2.1 *U*	12.6 *J*	1,380
PHASE1RA	TT3-0100	7/17/2003	TS0008	0	0	0	2	0.127 *J*	3.1 *U*	5.3 *J*	786
PHASE1RA	TT3-1000	7/21/2003	TS0027	0	0	0	2	0.035 *J*	3.9 *U*	1.4 *J*	81.8
PHASE1RA	TT4-0010	7/21/2003	TS0028	0	0	0	2	1.14	2.3 *U*	16.1	1,320
PHASE1RA	TT4-0100	7/21/2003	TS0029	1	0	0	2	0.499	8.4 *J*	12.1	602
PHASE1RA	TT4-0100	7/21/2003	TS0029	2	0	0	2	1.02	3.7 *U*	12.6	953
PHASE1RA	TT4-1000	7/21/2003	TS0026	0	0	0	3	0.22 *J*	7.8 *J*	3.4 *J*	507

Note: *J* - estimated
U - undetected at detection limit shown

Table C-4. Analytical results for tundra soil samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
ENSR91	KA1	9/1/1991	KA1	0	0					2.1 *U*				
ENSR92	KA1	9/1/1992	KA1	0	0					2.5 *U*				
ENSR96	KA1	8/11/1996	608065-5	0	0									
ENSR91	KA2	9/1/1991	KA2	0	0					1.5 *U*				
ENSR92	KA2	9/1/1992	KA2	0	0					2.0 *U*				
ENSR96	KA2	8/11/1996	608065-6	0	0									
ENSR91	KA3	9/1/1991	KA3	0	0					2 *U*				
ENSR92	KA3	9/1/1992	KA3	0	0					3.0 *U*				
ENSR96	KA3	8/11/1996	608065-7	0	0									
ENSR91	KA4	9/1/1991	KA4	0	0					0.65 *U*				
ENSR92	KA4	9/1/1992	KA4	0	0					2.5 *U*				
ENSR96	KA4	8/11/1996	608065-8	0	0									
ENSR91	KA5	9/1/1991	KA5	0	0					1.8 *U*				
ENSR92	KA5	9/1/1992	KA5	0	0					1.5 *U*				
ENSR96	KA5	8/11/1996	608065-9	0	0									
ENSR92	KB1	9/1/1992	KB1	0	0					1.5 *U*				
ENSR96	KB1	8/12/1996	608071-11	0	0									
ENSR92	KB2	9/1/1992	KB2	0	0					0.50 *U*				
ENSR96	KB2	8/12/1996	608071-12	0	0									
ENSR92	KB3	9/1/1992	KB3	0	0					3.0 *U*				
ENSR96	KB3	8/12/1996	608071-13	0	0									
ENSR92	KB4	9/1/1992	KB4	0	0					0.50 *U*				
ENSR96	KB4	8/12/1996	608071-14	0	0									
ENSR92	KB5	9/1/1992	KB5	0	0					2.0 *U*				
ENSR96	KB5	8/12/1996	608071-15	1	0									
ENSR96	KB5	8/12/1996	608071-16	2	0									
ENSR92	KD1	9/1/1992	KD1	0	0					1.5 *U*				
ENSR96	KD1	8/11/1996	608065-10	0	0									
ENSR92	KD10	9/1/1992	KD10	0	0					3.0 *U*				
ENSR96	KD10	8/11/1996	608065-19	1	0									
ENSR96	KD10	8/11/1996	608065-20	2	0									
ENSR92	KD11	9/1/1992	KD11	0	0					1.5 *U*				
ENSR96	KD11	8/11/1996	608065-21	0	0									
ENSR92	KD12	9/1/1992	KD12	0	0					1.5 *U*				
ENSR96	KD12	8/11/1996	608065-22	0	0									
ENSR92	KD13	9/1/1992	KD13	0	0					1.5 *U*				
ENSR96	KD13	8/11/1996	608065-23	0	0									
ENSR92	KD14	9/1/1992	KD14	0	0					2.0 *U*				
ENSR96	KD14	8/11/1996	608065-24	0	0									
ENSR92	KD15	9/1/1992	KD15	0	0					1.5 *U*				
ENSR96	KD15	8/11/1996	608065-25	1	0									
ENSR96	KD15	8/11/1996	608065-25	2	0									
ENSR92	KD2	9/1/1992	KD2	0	0					0.50 *U*				
ENSR96	KD2	8/11/1996	608065-11	0	0									

Table C-4. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
ENSR92	KD3	9/1/1992	KD3	0	0					2.0 *U*				
ENSR96	KD3	8/11/1996	608065-12	0	0									
ENSR92	KD4	9/1/1992	KD4	0	0					4.0 *U*				
ENSR96	KD4	8/11/1996	608065-13	0	0									
ENSR92	KD5	9/1/1992	KD5	0	0					1.5 *U*				
ENSR96	KD5	8/11/1996	608065-14	0	0									
ENSR92	KD6	9/1/1992	KD6	0	0					2.5 *U*				
ENSR96	KD6	8/11/1996	608065-15	0	0									
ENSR92	KD7	9/1/1992	KD7	0	0					2.0 *U*				
ENSR96	KD7	8/11/1996	608065-16	0	0									
ENSR92	KD8	9/1/1992	KD8	0	0					2.0 *U*				
ENSR96	KD8	8/11/1996	608065-17	0	0									
ENSR92	KD9	9/1/1992	KD9	0	0					1.5 *U*				
ENSR96	KD9	8/11/1996	608065-18	0	0									
PHASE1RA	TS-REF-1	7/20/2003	TS0024	0	0	2,600 *J*	0.18 *J*	3.2 *J*	185	0.17 *J*	6.3 *J*	2.68 *J*	5.21 *J*	0.4 *U*
PHASE1RA	TS-REF-4	7/20/2003	TS0021	0	0	6,770 *J*	0.22 *J*	3.4 *J*	421	0.53 *J*	12.3 *J*	6.2 *J*	11 *J*	0.4 *U*
PHASE1RA	TS-REF-5	7/20/2003	TS0020	0	0	11,300 *J*	0.28 *J*	6.8 *J*	624	0.37 *J*	19.7 *J*	28.2 *J*	16.9 *J*	0.4 *U*
PHASE1RA	TS-REF-6	7/20/2003	TS0019	0	0	4,770 *J*	0.27 *J*	2 *J*	538	0.23 *J*	12.4 *J*	3.84 *J*	11.1 *J*	0.4 *U*
PHASE1RA	TS-REF-7	7/20/2003	TS0018	0	0	468 *J*	0.12 *J*	0.4 *J*	209	0.26 *J*	1.57 *J*	7.51 *J*	6.16 *J*	0.4 *U*
PHASE1RA	TS-REF-8	7/20/2003	TS0031	0	0	2,090	0.14 *J*	1.3	550 *J*	0.88 *J*	3.49	28.3	10.6 *J*	0.4 *U*
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	1,210	0.11 *J*	0.8 *J*	195 *J*	0.12 *J*	2.24	2.61	4.34 *J*	0.4 *U*
PHASE1RA	TS-REF10	7/20/2003	TS0017	0	0	368 *J*	0.15 *J*	0.5 *J*	108	0.3 *J*	1.77 *J*	0.96 *J*	5.07 *J*	0.4 *U*
PHASE1RA	TS-REF2	7/20/2003	TS0023	0	0	4,130 *J*	0.15 *J*	2.2 *J*	129	0.28 *J*	4.83 *J*	2.21 *J*	5.74 *J*	0.4 *U*
PHASE1RA	TS-REF3	7/20/2003	TS0022	0	0	2,800 *J*	0.12 *J*	2.5 *J*	194	0.32 *J*	3.03 *J*	3.1 *J*	5.75 *J*	0.4 *U*

Table C-4. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)
ENSR91	KA1	9/1/1991	KA1	0	0		12.4 *U*						
ENSR92	KA1	9/1/1992	KA1	0	0		19.3 *U*						
ENSR96	KA1	8/11/1996	608065-5	0	0		11						
ENSR91	KA2	9/1/1991	KA2	0	0		16.0						
ENSR92	KA2	9/1/1992	KA2	0	0		16.4 *U*						
ENSR96	KA2	8/11/1996	608065-6	0	0		8.7						
ENSR91	KA3	9/1/1991	KA3	0	0		18.9						
ENSR92	KA3	9/1/1992	KA3	0	0		23.5 *U*						
ENSR96	KA3	8/11/1996	608065-7	0	0		2.5						
ENSR91	KA4	9/1/1991	KA4	0	0		21.7						
ENSR92	KA4	9/1/1992	KA4	0	0		18.0 *U*						
ENSR96	KA4	8/11/1996	608065-8	0	0		14						
ENSR91	KA5	9/1/1991	KA5	0	0		10.6 *U*						
ENSR92	KA5	9/1/1992	KA5	0	0		12.8 *U*						
ENSR96	KA5	8/11/1996	608065-9	0	0		6.0 *U*						
ENSR92	KB1	9/1/1992	KB1	0	0		9.80 *U*						
ENSR96	KB1	8/12/1996	608071-11	0	0		4.9 *UJ*						
ENSR92	KB2	9/1/1992	KB2	0	0		5.60 *U*						
ENSR96	KB2	8/12/1996	608071-12	0	0		7.5 *UJ*						
ENSR92	KB3	9/1/1992	KB3	0	0		23.3 *U*						
ENSR96	KB3	8/12/1996	608071-13	0	0		12 *UJ*						
ENSR92	KB4	9/1/1992	KB4	0	0		9.9						
ENSR96	KB4	8/12/1996	608071-14	0	0		6.0 *UJ*						
ENSR92	KB5	9/1/1992	KB5	0	0		13.9 *U*						
ENSR96	KB5	8/12/1996	608071-15	1	0		7.5 *UJ*						
ENSR96	KB5	8/12/1996	608071-16	2	0		11 *UJ*						
ENSR92	KD1	9/1/1992	KD1	0	0		24.2						
ENSR96	KD1	8/11/1996	608065-10	0	0		8.2						
ENSR92	KD10	9/1/1992	KD10	0	0		22.6 *U*						
ENSR96	KD10	8/11/1996	608065-19	1	0		3.7 *U*						
ENSR96	KD10	8/11/1996	608065-20	2	0		3.7 *U*						
ENSR92	KD11	9/1/1992	KD11	0	0		19.7 *U*						
ENSR96	KD11	8/11/1996	608065-21	0	0		6.0 *U*						
ENSR92	KD12	9/1/1992	KD12	0	0		11.4 *U*						
ENSR96	KD12	8/11/1996	608065-22	0	0		5.5 *U*						
ENSR92	KD13	9/1/1992	KD13	0	0		12.2 *U*						
ENSR96	KD13	8/11/1996	608065-23	0	0		5.0 *U*						
ENSR92	KD14	9/1/1992	KD14	0	0		15.0 *U*						
ENSR96	KD14	8/11/1996	608065-24	0	0		4.9 *U*						
ENSR92	KD15	9/1/1992	KD15	0	0		10.8 *U*						
ENSR96	KD15	8/11/1996	608065-25	1	0		6.0 *U*						
ENSR96	KD15	8/11/1996	608065-25	2	0		5.0 *U*						
ENSR92	KD2	9/1/1992	KD2	0	0		13.7						
ENSR96	KD2	8/11/1996	608065-11	0	0		4.0 *U*						

Table C-4. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)
ENSR92	KD3	9/1/1992	KD3	0	0		15.9 *U*						
ENSR96	KD3	8/11/1996	608065-12	0	0		4.2 *U*						
ENSR92	KD4	9/1/1992	KD4	0	0		32.7 *U*						
ENSR96	KD4	8/11/1996	608065-13	0	0		3.2 *U*						
ENSR92	KD5	9/1/1992	KD5	0	0		11.2 *U*						
ENSR96	KD5	8/11/1996	608065-14	0	0		5.0 *U*						
ENSR92	KD6	9/1/1992	KD6	0	0		18.0 *U*						
ENSR96	KD6	8/11/1996	608065-15	0	0		9.5 *U*						
ENSR92	KD7	9/1/1992	KD7	0	0		15.4 *U*						
ENSR96	KD7	8/11/1996	608065-16	0	0		4.1 *U*						
ENSR92	KD8	9/1/1992	KD8	0	0		15.8 *U*						
ENSR96	KD8	8/11/1996	608065-17	0	0		7.0 *U*						
ENSR92	KD9	9/1/1992	KD9	0	0		11.5 *U*						
ENSR96	KD9	8/11/1996	608065-18	0	0		4.3 *U*						
PHASE1RA	TS-REF-1	7/20/2003	TS0024	0	0	7,530 *J*	5.97 *J*	317	0.09	0.45	8.47 *J*	0.5 *J*	0.23
PHASE1RA	TS-REF-4	7/20/2003	TS0021	0	0	12,900 *J*	6.61	551	0.13 *J*	0.49	22 *J*	0.6 *J*	0.13
PHASE1RA	TS-REF-5	7/20/2003	TS0020	0	0	45,100 *J*	23.3	608	0.12 *J*	1.37	36.8 *J*	1	0.21
PHASE1RA	TS-REF-6	7/20/2003	TS0019	0	0	12,000 *J*	9.87 *J*	170	0.15 *J*	0.99	25.5 *J*	0.9 *J*	0.35
PHASE1RA	TS-REF-7	7/20/2003	TS0018	0	0	1,540 *J*	6.26 *J*	416	0.07 *J*	2.27	11.9 *J*	0.4 *J*	0.02 *U*
PHASE1RA	TS-REF-8	7/20/2003	TS0031	0	0	4,300	18.5 *J*	6,620	0.14	0.4 *J*	25.7	0.4 *J*	0.07
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	9,710	2.9 *J*	59.2	0.1	0.61 *J*	9.44	0.4 *J*	0.02 *U*
PHASE1RA	TS-REF10	7/20/2003	TS0017	0	0	912 *J*	7.23 *J*	121	0.09 *J*	0.6	4.33 *J*	0.4 *J*	0.02 *U*
PHASE1RA	TS-REF2	7/20/2003	TS0023	0	0	7,600 *J*	5 *J*	281	0.14	0.34	7.27 *J*	0.4 *J*	0.35
PHASE1RA	TS-REF3	7/20/2003	TS0022	0	0	27,500 *J*	3.78 *J*	33.5	0.11 *J*	0.97	10.5 *J*	0.6 *J*	0.02 *U*

Table C-4. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
ENSR91	KA1	9/1/1991	KA1	0	0					71.5
ENSR92	KA1	9/1/1992	KA1	0	0					73.8
ENSR96	KA1	8/11/1996	608065-5	0	0					45
ENSR91	KA2	9/1/1991	KA2	0	0					44.7
ENSR92	KA2	9/1/1992	KA2	0	0					54.5
ENSR96	KA2	8/11/1996	608065-6	0	0					43
ENSR91	KA3	9/1/1991	KA3	0	0					46.9
ENSR92	KA3	9/1/1992	KA3	0	0					69.0
ENSR96	KA3	8/11/1996	608065-7	0	0					11
ENSR91	KA4	9/1/1991	KA4	0	0					54.6
ENSR92	KA4	9/1/1992	KA4	0	0					65.0
ENSR96	KA4	8/11/1996	608065-8	0	0					54
ENSR91	KA5	9/1/1991	KA5	0	0					64.3
ENSR92	KA5	9/1/1992	KA5	0	0					45.2
ENSR96	KA5	8/11/1996	608065-9	0	0					49
ENSR92	KB1	9/1/1992	KB1	0	0					38.7
ENSR96	KB1	8/12/1996	608071-11	0	0					59 *J*
ENSR92	KB2	9/1/1992	KB2	0	0					36.4
ENSR96	KB2	8/12/1996	608071-12	0	0					45 *J*
ENSR92	KB3	9/1/1992	KB3	0	0					29.3
ENSR96	KB3	8/12/1996	608071-13	0	0					75 *J*
ENSR92	KB4	9/1/1992	KB4	0	0					45.7
ENSR96	KB4	8/12/1996	608071-14	0	0					53 *J*
ENSR92	KB5	9/1/1992	KB5	0	0					43.6
ENSR96	KB5	8/12/1996	608071-15	1	0					49 *J*
ENSR96	KB5	8/12/1996	608071-16	2	0					79 *J*
ENSR92	KD1	9/1/1992	KD1	0	0					62.0
ENSR96	KD1	8/11/1996	608065-10	0	0					48
ENSR92	KD10	9/1/1992	KD10	0	0					28.9
ENSR96	KD10	8/11/1996	608065-19	1	0					49
ENSR96	KD10	8/11/1996	608065-20	2	0					43
ENSR92	KD11	9/1/1992	KD11	0	0					28.1
ENSR96	KD11	8/11/1996	608065-21	0	0					39
ENSR92	KD12	9/1/1992	KD12	0	0					39.9
ENSR96	KD12	8/11/1996	608065-22	0	0					36
ENSR92	KD13	9/1/1992	KD13	0	0					53.2
ENSR96	KD13	8/11/1996	608065-23	0	0					45
ENSR92	KD14	9/1/1992	KD14	0	0					35.7
ENSR96	KD14	8/11/1996	608065-24	0	0					36
ENSR92	KD15	9/1/1992	KD15	0	0					28.0
ENSR96	KD15	8/11/1996	608065-25	1	0					33
ENSR96	KD15	8/11/1996	608065-25	2	0					28
ENSR92	KD2	9/1/1992	KD2	0	0					50.1
ENSR96	KD2	8/11/1996	608065-11	0	0					48

Table C-4. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
ENSR92	KD3	9/1/1992	KD3	0	0					40.7
ENSR96	KD3	8/11/1996	608065-12	0	0					26
ENSR92	KD4	9/1/1992	KD4	0	0					65.4
ENSR96	KD4	8/11/1996	608065-13	0	0					72
ENSR92	KD5	9/1/1992	KD5	0	0					23.6
ENSR96	KD5	8/11/1996	608065-14	0	0					48
ENSR92	KD6	9/1/1992	KD6	0	0					36.2
ENSR96	KD6	8/11/1996	608065-15	0	0					61
ENSR92	KD7	9/1/1992	KD7	0	0					48.9
ENSR96	KD7	8/11/1996	608065-16	0	0					52
ENSR92	KD8	9/1/1992	KD8	0	0					66.0
ENSR96	KD8	8/11/1996	608065-17	0	0					62
ENSR92	KD9	9/1/1992	KD9	0	0					52.6
ENSR96	KD9	8/11/1996	608065-18	0	0					56
PHASE1RA	TS-REF-1	7/20/2003	TS0024	0	0	10	0.052 *J*	2.3 *U*	12 *J*	49.1
PHASE1RA	TS-REF-4	7/20/2003	TS0021	0	0	20.9	0.053 *J*	2.3 *U*	16.2 *J*	55.4
PHASE1RA	TS-REF-5	7/20/2003	TS0020	0	0	17	0.104 *J*	5 *J*	24.7 *J*	92.9
PHASE1RA	TS-REF-6	7/20/2003	TS0019	0	0	39.6	0.116 *J*	7.9 *J*	15.4 *J*	111
PHASE1RA	TS-REF-7	7/20/2003	TS0018	0	0	11.6	0.032 *J*	4.4 *U*	1.3 *J*	48.9
PHASE1RA	TS-REF-8	7/20/2003	TS0031	0	0	31.3	0.057	5.1 *J*	4.5	97
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	7.7	0.024 *J*	17.4 *J*	3.1	52.6
PHASE1RA	TS-REF10	7/20/2003	TS0017	0	0	7.3	0.031 *J*	4.4 *U*	1.5 *J*	48
PHASE1RA	TS-REF2	7/20/2003	TS0023	0	0	7.8	0.065 *J*	2.1 *U*	9.6 *J*	58.4
PHASE1RA	TS-REF3	7/20/2003	TS0022	0	0	8.2	0.09 *J*	2.6 *U*	8.3 *J*	47.8

Note: *J* - estimated
U - undetected at detection limit shown

Table C-5. Analytical results for stream sediment samples (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PHASE1RA	AC-D	7/16/2003	SD0044	0	0	4,820	0.19 *J*	8.9	96.8 *J*	0.31 *J*	9.58	13	16.2	1.2 *U*
PHASE1RA	AC-NFU	7/16/2003	SD0045	0	0	5,460	0.12 *J*	8.9	108 *J*	0.28 *J*	11.8	16	18.5	1.2 *U*
PHASE1RA	AC-R	7/19/2003	SD0058	0	0	7,580	0.07 *J*	7.2	172	0.29	15.5	9.64	17.2	1.2 *U*
PHASE1RA	AC-SFU	7/16/2003	SD0046	0	0	5,530	0.27 *J*	9.6	133 *J*	0.26 *J*	22.1	11	28.2	1.2 *U*
PHASE1RA	ARC-D1	7/22/2003	SD0072	0	0	7,200	0.42	8.4	922 *J*	0.97	14.6	11.1	19.1	0.95 *U*
PHASE1RA	ARC-U1	7/22/2003	SD0073	0	0	8,310	0.64	11.4	750 *J*	1.38	14.4	16.1	20.1	0.95 *U*
PHASE1RA	NHC-D	7/18/2003	SD0054	0	0	4,080	0.22 *J*	7.3	91.2 *J*	0.36 *J*	7.35	12.7	9.66	1.2 *U*
PHASE1RA	NHC-NFU	7/19/2003	SD0055	0	0	7,710	0.19 *J*	4.3	99.3 *J*	0.18 *J*	11.3	7.9	14.2	1.2 *U*
PHASE1RA	NHC-R	7/19/2003	SD0057	0	0	4,800	0.07 *J*	6.9	98.4	0.77	7.65	11.6	11.2	1.2 *U*
PHASE1RA	NHC-SFU	7/19/2003	SD0056	0	0	17,100	0.05 *J*	3.3	293 *J*	0.2 *J*	15.6	8.23	9.73	1.2 *U*
PHASE1RA	OR-D	7/16/2003	SD0040	1	0	14,900	0.18 *J*	7.1	484 *J*	0.39 *J*	23.3	11.6	15.5	1.2 *U*
PHASE1RA	OR-D	7/16/2003	SD0040	2	0	11,900	0.13 *J*	6.8	454 *J*	0.36 *J*	21.9	11.3	14.9	1.2 *U*
PHASE1RA	OR-NFU	7/16/2003	SD0042	0	0	7,420	0.14 *J*	8.8	298 *J*	0.37 *J*	16.8	12.9	14.1	1.2 *U*
PHASE1RA	OR-R	7/16/2003	SD0047	0	0	9,520	0.14 *J*	7.6	407 *J*	0.45 *J*	20.6	13.5	14	1.2 *U*
PHASE1RA	OR-SFU	7/16/2003	SD0043	0	0	6,920	0.17 *J*	9.4	286 *J*	0.59 *J*	14.5	17.6	15.6	1.2 *U*

Table C-5. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PHASE1RA	AC-D	7/16/2003	SD0044	0	0	28,300	11.9	633 *J*	0.03	0.85	40.8 *J*	1.4	0.21	57.6
PHASE1RA	AC-NFU	7/16/2003	SD0045	0	0	31,100	13.9	1,200 *J*	0.03	0.71	43.7 *J*	1.5	0.21	13.6
PHASE1RA	AC-R	7/19/2003	SD0058	0	0	25,600	14.9	479	0.06	0.66	31.5	1.5	0.25	47.4
PHASE1RA	AC-SFU	7/16/2003	SD0046	0	0	27,100	10.6	555 *J*	0.06	1.01	46.5 *J*	2.5	0.39	99.8
PHASE1RA	ARC-D1	7/22/2003	SD0072	0	0	28,800	130	1,150	0.089	1.62	35	1.5	0.29	14
PHASE1RA	ARC-U1	7/22/2003	SD0073	0	0	35,700	142	2,100	0.042	2.32	45.6	2.4	0.42	15.6
PHASE1RA	NHC-D	7/18/2003	SD0054	0	0	24,700	11.3	939 *J*	0.02	0.59	45.2 *J*	0.9 *J*	0.13	73.7
PHASE1RA	NHC-NFU	7/19/2003	SD0055	0	0	24,900	10.7	471 *J*	0.05	0.4	27.6 *J*	0.9 *J*	0.15	59.2
PHASE1RA	NHC-R	7/19/2003	SD0057	0	0	22,800	23.8	717	0.03	0.84	45.2	1.1 *J*	0.19	155
PHASE1RA	NHC-SFU	7/19/2003	SD0056	0	0	45,700	8.24	573 *J*	0.06	0.34	24.8 *J*	1.4 *J*	0.12	53.7
PHASE1RA	OR-D	7/16/2003	SD0040	1	0	34,600	17.9	756 *J*	0.06	0.54	35 *J*	0.7 *J*	0.12	14.5
PHASE1RA	OR-D	7/16/2003	SD0040	2	0	31,700	17.2	715 *J*	0.06	0.48	33.7 *J*	0.6 *J*	0.12	12.6
PHASE1RA	OR-NFU	7/16/2003	SD0042	0	0	32,200	16.4	1,100 *J*	0.02	0.47	46.2 *J*	0.4 *J*	0.05	11
PHASE1RA	OR-R	7/16/2003	SD0047	0	0	32,900	19	1,140 *J*	0.04	0.49	42.1 *J*	0.6 *J*	0.08	11.4
PHASE1RA	OR-SFU	7/16/2003	SD0043	0	0	33,700	13.6	2,140 *J*	0.02	0.66	57.3 *J*	0.4 *J*	0.05	11

Table C-5. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PHASE1RA	AC-D	7/16/2003	SD0044	0	0	0.049	2.2 *U*	9.91	131
PHASE1RA	AC-NFU	7/16/2003	SD0045	0	0	0.064	2.2 *U*	11.9	113
PHASE1RA	AC-R	7/19/2003	SD0058	0	0	0.101	1.9 *U*	16	113
PHASE1RA	AC-SFU	7/16/2003	SD0046	0	0	0.115	6.4 *J*	18.2	136
PHASE1RA	ARC-D1	7/22/2003	SD0072	0	0	0.19	0.5 *U*	20.5	259
PHASE1RA	ARC-U1	7/22/2003	SD0073	0	0	0.322	1.1 *U*	19.5	209
PHASE1RA	NHC-D	7/18/2003	SD0054	0	0	0.031	2.3 *U*	9.05	147
PHASE1RA	NHC-NFU	7/19/2003	SD0055	0	0	0.048	4.3 *J*	13.8	58.4
PHASE1RA	NHC-R	7/19/2003	SD0057	0	0	0.042	2.3 *U*	8.83	206
PHASE1RA	NHC-SFU	7/19/2003	SD0056	0	0	0.08	7.6 *J*	12.3	114
PHASE1RA	OR-D	7/16/2003	SD0040	1	0	0.141	5.7 *J*	28.1	111
PHASE1RA	OR-D	7/16/2003	SD0040	2	0	0.121	2.1 *U*	26.1	103
PHASE1RA	OR-NFU	7/16/2003	SD0042	0	0	0.065	2.3 *U*	21.3	116
PHASE1RA	OR-R	7/16/2003	SD0047	0	0	0.106	1.9 *U*	24.9	123
PHASE1RA	OR-SFU	7/16/2003	SD0043	0	0	0.073	3 *U*	21	109

Note: *J* - estimated
U - undetected at detection limit shown

Table C-6. Analytical results for stream sediment samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)	Iron (mg/kg dry)
PHASE1RA	ST-REF-1	7/20/2003	SD0065	0	0	9,070	0.03 *J*	3.9	394	0.23	14.6	9.63	10.5	1.2 *U*	23,500
PHASE1RA	ST-REF-2	7/20/2003	SD0064	0	0	3,890	0.04 *J*	5.1	135	0.07	9.03	7.3	5.99	1.2 *U*	27,300
PHASE1RA	ST-REF-3	7/20/2003	SD0066	0	0	3,620	0.03 *J*	8.1	177	0.23	7.22	11	12.3	1.2 *U*	25,800
PHASE1RA	ST-REF-4	7/20/2003	SD0068	0	0	5,560	0.03 *J*	4.9	265	0.26	12.8	9.69	9.19	1.2 *U*	24,600
PHASE1RA	ST-REF-5	7/20/2003	SD0063	0	0	12,100	0.05 *J*	3.5	483	0.3	19.9	8.74	18.5	1.2 *U*	21,300

Table C-6. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)	Thallium (mg/kg dry)
PHASE1RA	ST-REF-1	7/20/2003	SD0065	0	0	7.84	439	0.04	0.36	30.4	0.5 *J*	0.09	15	0.065
PHASE1RA	ST-REF-2	7/20/2003	SD0064	0	0	5.05	387	0.005 *U*	0.38	20.8	0.1 *U*	0.03	4.9	0.023 *J*
PHASE1RA	ST-REF-3	7/20/2003	SD0066	0	0	9.17	859	0.02	0.52	31.5	0.5 *J*	0.05	11.5	0.041
PHASE1RA	ST-REF-4	7/20/2003	SD0068	0	0	7.04	785	0.03	0.28	30.6	0.4 *J*	0.05	11.4	0.052
PHASE1RA	ST-REF-5	7/20/2003	SD0063	0	0	8.87	268	0.04	0.30	35	0.7 *J*	0.12	15	0.07

Table C-6. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PHASE1RA	ST-REF-1	7/20/2003	SD0065	0	0	2 *U*	19.1	63.8
PHASE1RA	ST-REF-2	7/20/2003	SD0064	0	0	2.4 *U*	17.4	43.7
PHASE1RA	ST-REF-3	7/20/2003	SD0066	0	0	2.2 *U*	10.7	69.7
PHASE1RA	ST-REF-4	7/20/2003	SD0068	0	0	2.3 *U*	19.2	66.9
PHASE1RA	ST-REF-5	7/20/2003	SD0063	0	0	2.0 *U*	24.8	68.1

Note: *J* - estimated
U - undetected at detection limit shown

Table C-7. Analytical results for stream surface water samples (site)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (mg/L unfiltered)	Arsenic (mg/L unfiltered)	Barium (mg/L unfiltered)	Cadmium (µg/L unfiltered)
TECK03	ARC-D	10/10/2003	03-4781	0	0	0	0	42.7	208	0.0000630 *U*	0.000482 *U*	0.140	0.0365 *U*
TECK03	ARC-U	10/10/2003	03-4782	0	0	0	0	41.5	173	0.0000630 *U*	0.000482 *U*	0.130	0.0365 *U*
USGS02	AufCreek	7/29/2002	AufCreek_SW	0	0	0	0	110	10 *U*				0.02 *U*
TECK01	AufDowRd	7/11/2001	AufDowRd	0	0	0	0	72.6	29.2				0.13
TECK01	AufDowRd	8/6/2001	AufDowRd	0	0	0	0	79.2	10 *U*				0.05 *U*
TECK01	AufDowRd	9/4/2001	AufDowRd	0	0	0	0	110	10 *UJ*				0.05 *U*
TECK01	AufDowRd	10/9/2001	AufDowRd	0	0	0	0	125	10 *U*				0.05 *U*
TECK03	AufDowRd	5/23/2003	03-1990	0	0	0	0	25.6	34.5				0.0500 *U*
TECK03	AufDowRd	6/11/2003	03-1990	0	0	0	0	21.5	145				0.250 *U*
TECK03	AufDowRd	6/27/2003	03-1990	0	0	0	0	75.8					0.0411 *U*
TECK03	AufDowRd	6/27/2003	03-2880	0	0	0	0						
TECK03	AufDowRd	6/27/2003	03-2881	0	0	0	0	75.8	6.83				
TECK03	AufDowRd	7/12/2003	03-3268	0	0	0	0						
TECK03	AufDowRd	7/12/2003	03-3269	0	0	0	0	74.7	10.0 *U*				0.0500 *U*
TECK03	AufDowRd	8/11/2003	03-3843	0	0	0	0	97.9	26.0				0.140
TECK03	AufMth	5/23/2003	03-1986	0	0	0	0						
TECK03	AufMth	5/23/2003	03-1987	0	0	0	0	52.0	10.0 *U*				0.0500 *U*
TECK03	AufMth	6/11/2003	03-2446	0	0	0	0						
TECK03	AufMth	6/11/2003	03-2447	0	0	0	0	35.0	32.5				0.250 *U*
TECK03	AufMth	6/27/2003	03-2863	0	0	0	0						
TECK03	AufMth	6/27/2003	03-2864	0	0	0	0	92.5	2.52 *U*				0.0411 *U*
TECK03	AufMth	7/12/2003	03-3252	0	0	0	0						
TECK03	AufMth	7/12/2003	03-3253	0	0	0	0	74.4	10.0 *U*				0.0500 *U*
TECK03	AufMth	8/10/2003	03-3845	0	0	0	0	97.6	34.0				0.0365 *U*
TECK03	AufMth	10/6/2003	03-4763	0	0	0	0	78.6	24.6				0.0365 *U*
TECK01	AufMthL1	7/11/2001	AufMthL1	0	0	0	0	87.2	10 *U*				0.05 *U*
TECK01	AufMthL2	7/11/2001	AufMthL2	0	0	0	0	105	10 *U*				0.05 *U*
TECK01	AufMthL2	8/6/2001	AufMthL2	0	0	0	0	78.6	10 *U*				0.05 *U*
TECK01	AufMthL2	9/4/2001	AufMthL2	0	0	0	0	91.1	10 *UJ*				0.05 *U*
TECK01	AufMthL2	10/9/2001	AufMthL2	0	0	0	0	186	10 *U*				0.05 *U*
TECK01	AufNFUp	7/11/2001	AufNFUp	0	0	0	0	25.2	10 *U*				0.05 *U*
TECK01	AufNFUp	8/6/2001	AufNFUp	0	0	0	0	32.5	10 *U*				0.05 *U*
TECK01	AufNFUp	9/4/2001	AufNFUp	0	0	0	0	43.4	10 *UJ*				0.05 *U*
TECK01	AufNFUp	10/9/2001	AufNFUp	0	0	0	0	58.5	10 *U*				0.05 *U*
TECK03	AufNFUp	5/23/2003	03-1992	0	0	0	0						
TECK03	AufNFUp	5/23/2003	03-1993	0	0	0	0	26.8	34.5				0.0500 *U*
TECK03	AufNFUp	6/11/2003	03-2448	0	0	0	0						
TECK03	AufNFUp	6/11/2003	03-2449	0	0	0	0	12.4	195				0.250 *U*
TECK03	AufNFUp	6/27/2003	03-2886	0	0	0	0						
TECK03	AufNFUp	6/27/2003	03-2887	0	0	0	0	30.9	13.0				0.112
TECK03	AufNFUp	7/12/2003	03-3274	0	0	0	0						
TECK03	AufNFUp	7/12/2003	03-3275	0	0	0	0	32.0	24.1				0.0500 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (mg/L unfiltered)	Arsenic (mg/L unfiltered)	Barium (mg/L unfiltered)	Cadmium (µg/L unfiltered)
TECK03	AufNFUp	8/10/2003	03-3847	0	0	0	0	46.6	6.00 *U*				0.0900
TECK03	AufNFUp	10/6/2003	03-4752	0	0	0	0	40.4	9.09 *J*	0.0000630 *U*	0.000482 *U*	0.0138	0.0365 *U*
TECK01	AufRoad	7/11/2001	AufRoad	0	0	0	0	61.8	27.2				0.05 *U*
TECK01	AufRoad	8/6/2001	AufRoad	0	0	0	0	71.6	10 *U*				0.05 *U*
TECK01	AufRoad	9/4/2001	AufRoad	0	0	0	0	98.7	10 *UJ*				0.05 *U*
TECK01	AufRoad	10/9/2001	AufRoad	0	0	0	0	121	10 *U*				0.05 *U*
TECK03	AufRoad	5/23/2003	03-1990	0	0	0	0	45.8	62.9				0.100 *U*
TECK03	AufRoad	6/11/2003	03-1990	0	0	0	0	19.7	450				0.250 *U*
TECK03	AufRoad	6/27/2003	03-1990	0	0	0	0	64.4	18.4				0.0411 *U*
TECK03	AufRoad	7/12/2003	03-1990	0	0	0	0	73.4	10.0 *U*				0.110
TECK03	AufRoad	8/11/2003	03-1990	0	0	0	0	95.0	45.0				0.0365 *U*
TECK03	AufRoad	9/22/2003	03-4618	0	0	0	0	97.8	11.6				0.21
TECK03	AufRoad	10/6/2003	03-4750	0	0	0	0	84.6	7.71 *J*	0.0000630 *U*	0.000482 *U*	0.0239	0.0365 *U*
TECK03	AufRoad	10/6/2003	03-4761	0	0	0	0	78.2	10.4 *J*	0.0000630 *U*	0.000482 *U*	0.0246	0.166 *U*
TECK01	AufSFUp	7/11/2001	AufSFUp	0	0	0	0	70.5	23.1				0.05 *U*
TECK01	AufSFUp	8/6/2001	AufSFUp	0	0	0	0	93.9	10 *U*				0.05 *U*
TECK01	AufSFUp	9/4/2001	AufSFUp	0	0	0	0	127	10 *UJ*				0.05 *U*
TECK01	AufSFUp	10/9/2001	AufSFUp	0	0	0	0	167	10 *U*				0.05 *U*
TECK03	AufSFUp	6/11/2003	03-2450	0	0	0	0						
TECK03	AufSFUp	6/11/2003	03-2451	0	0	0	0	22.0	431				0.250 *U*
TECK03	AufSFUp	6/27/2003	03-2883	0	0	0	0						
TECK03	AufSFUp	6/27/2003	03-2884	0	0	0	0	90.2	26.4				0.0900
TECK03	AufSFUp	7/12/2003	03-3272	0	0	0	0						
TECK03	AufSFUp	7/12/2003	03-3273	0	0	0	0	92.5	10.0 *U*				0.0500 *U*
TECK03	AufSFUp	8/10/2003	03-3849	0	0	0	0	119	28.0				0.0365 *U*
TECK03	AufSFUp	10/6/2003	03-4751	0	0	0	0	101	12.4 *J*	0.000190 *J*	0.000482 *U*	0.0323	0.0365 *U*
USGS02	MudLkCr	7/30/2002	MudLkCr_SW	0	0	0	0	85.2	10 *U*				0.02 *U*
USGS02	NewHeart	7/29/2002	NewHeart_SW	0	0	0	0	211	10 *U*				0.05
TECK01	NHDowRd	7/12/2001	NHDowRd	0	0	0	0	138	10 *U*				0.05 *U*
TECK01	NHDowRd	8/6/2001	NHDowRd	0	0	0	0	125	10 *U*				0.05 *U*
TECK01	NHDowRd	9/4/2001	NHDowRd	0	0	0	0	171	10 *UJ*				0.05 *U*
TECK01	NHDowRd	10/8/2001	NHDowRd	0	0	0	0	166	10 *U*				0.05 *U*
TECK03	NHDowRd	6/11/2003	03-2454	0	0	0	0						
TECK03	NHDowRd	6/11/2003	03-2455	0	0	0	0	64.1	10.0 *U*				0.250 *U*
TECK03	NHDowRd	6/27/2003	03-2873	0	0	0	0						
TECK03	NHDowRd	6/27/2003	03-2874	0	0	0	0	169	2.52 *U*				0.0411 *U*
TECK03	NHDowRd	7/12/2003	03-3257	0	0	0	0						
TECK03	NHDowRd	7/12/2003	03-3258	0	0	0	0	111	10.0 *U*				0.0500 *U*
TECK03	NHDowRd	8/10/2003	03-3853	0	0	0	0	159	61.0				0.130
TECK03	NHDowRd	10/6/2003	03-4746	0	0	0	0	104	10.6 *U*	0.000630 *J*	0.000482 *U*	0.0246	0.0365 *U*
TECK03	NHMth	5/23/2003	03-1978	0	0	0	0						
TECK03	NHMth	5/23/2003	03-1979	0	0	0	0	39.1	49.3				0.0500 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (mg/L unfiltered)	Arsenic (mg/L unfiltered)	Barium (mg/L unfiltered)	Cadmium (µg/L unfiltered)
TECK03	NHMth	6/11/2003	03-2456	0	0	0	0						
TECK03	NHMth	6/11/2003	03-2457	0	0	0	0	60.6	10.0 *U*				0.250 *U*
TECK03	NHMth	6/27/2003	03-2869	0	0	0	0						
TECK03	NHMth	6/27/2003	03-2870	0	0	0	0	169	9.48				0.0411 *U*
TECK03	NHMth	7/12/2003	03-3254	0	0	0	0						
TECK03	NHMth	7/12/2003	03-3255	0	0	0	0	104	10.0 *U*				0.0500 *U*
TECK03	NHMth	8/10/2003	03-3855	0	0	0	0	128	66.0				0.120
TECK03	NHMth	10/6/2003	03-4745	0	0	0	0	87.6	9.80 *U*				0.120
TECK01	NHMthL1	7/12/2001	NHMthL1	0	0	0	0	152	10 *U*				0.05 *U*
TECK01	NHMthL1	8/6/2001	NHMthL1	0	0	0	0	108	10 *U*				0.05 *U*
TECK01	NHMthL1	9/4/2001	NHMthL1	0	0	0	0	138	10 *UJ*				0.1
TECK01	NHMthL1	10/8/2001	NHMthL1	0	0	0	0	160	10 *U*				0.05 *U*
TECK01	NHMthL2	7/12/2001	NHMthL2	0	0	0	0	160	10 *U*				0.05 *U*
TECK01	NHNFUp	7/12/2001	NHNFUp	0	0	0	0	80.9	10 *U*				0.05 *U*
TECK01	NHNFUp	8/6/2001	NHNFUp	0	0	0	0	118	10 *U*				0.05 *U*
TECK01	NHNFUp	9/4/2001	NHNFUp	0	0	0	0	155	34.6 *J*				0.2
TECK01	NHNFUp	10/8/2001	NHNFUp	0	0	0	0	160	10 *U*				0.05 *U*
TECK03	NHNFUp	6/11/2003	03-2458	0	0	0	0						
TECK03	NHNFUp	6/11/2003	03-2459	0	0	0	0	36.7	77.3				0.250 *U*
TECK03	NHNFUp	6/27/2003	03-2877	0	0	0	0						
TECK03	NHNFUp	6/27/2003	03-2878	0	0	0	0	122	29.4				0.0411 *U*
TECK03	NHNFUp	7/12/2003	03-3266	0	0	0	0						
TECK03	NHNFUp	7/12/2003	03-3267	0	0	0	0	106	10.0 *U*				0.0500 *U*
TECK03	NHNFUp	8/10/2003	03-3857	0	0	0	0	139	79.0				0.0365 *U*
TECK03	NHNFUp	10/6/2003	03-4748	0	0	0	0	110	8.55 *U*	0.000180 *J*	0.000482 *U*	0.266	0.0365 *U*
TECK01	NHRoad	7/12/2001	NHRoad	0	0	0	0	104	22				0.05 *U*
TECK01	NHRoad	8/6/2001	NHRoad	0	0	0	0	127	38.4				0.05 *U*
TECK01	NHRoad	9/4/2001	NHRoad	0	0	0	0	176	33.9 *J*				0.05 *U*
TECK01	NHRoad	10/8/2001	NHRoad	0	0	0	0	185	10 *U*				0.05 *U*
TECK03	NHRoad	5/23/2003	03-1982	0	0	0	0						
TECK03	NHRoad	5/23/2003	03-1983	0	0	0	0	28.6	35.6				0.0500 *U*
TECK03	NHRoad	6/11/2003	03-2452	0	0	0	0						
TECK03	NHRoad	6/11/2003	03-2453	0	0	0	0	51.1	42.0				0.250 *U*
TECK03	NHRoad	6/27/2003	03-2875	0	0	0	0	150	8.32				0.0411 *U*
TECK03	NHRoad	7/12/2003	03-3260	0	0	0	0						
TECK03	NHRoad	7/12/2003	03-3261	0	0	0	0	110	33.2				0.0500 *U*
TECK03	NHRoad	8/10/2003	03-3851	0	0	0	0	151	63.0				0.0365 *U*
TECK03	NHRoad	9/22/2003	03-4617	0	0	0	0	176	26.1				0.4
TECK03	NHRoad	10/6/2003	03-4749	0	0	0	0	129	27.5	0.000140 *J*	0.000482 *U*	0.0273	0.0365 *U*
TECK01	NHSFUp	7/12/2001	NHSFUp	0	0	0	0	74.8	10 *U*				0.05 *U*
TECK01	NHSFUp	8/6/2001	NHSFUp	0	0	0	0	81.6	10 *U*				0.05 *U*
TECK01	NHSFUp	9/4/2001	NHSFUp	0	0	0	0	96.3	10 *UJ*				0.05 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (mg/L unfiltered)	Arsenic (mg/L unfiltered)	Barium (mg/L unfiltered)	Cadmium (µg/L unfiltered)
TECK03	NHSFUp	5/23/2003	03-1984	0	0	0	0						
TECK03	NHSFUp	5/23/2003	03-1985	0	0	0	0	34.7	10.0 *U*				0.0500 *U*
TECK03	NHSFUp	6/11/2003	03-2460	0	0	0	0						
TECK03	NHSFUp	6/11/2003	03-2461	0	0	0	0	55.0	10.0 *U*				0.250 *U*
TECK03	NHSFUp	6/27/2003	03-2876	0	0	0	0						
TECK03	NHSFUp	6/27/2003	03-2879	0	0	0	0	89.2	13.3				0.0411 *U*
TECK03	NHSFUp	7/12/2003	03-3264	0	0	0	0						
TECK03	NHSFUp	7/12/2003	03-3265	0	0	0	0	67.7	10.0 *U*				0.0500 *U*
TECK03	NHSFUp	8/10/2003	03-3859	0	0	0	0	101	47.0				0.0365 *U*
TECK03	NHSFUp	10/6/2003	03-4747	0	0	0	0	80.0	5.85 *U*	0.000360 *J*	0.000482 *U*	0.0122	0.0365 *U*
TECK01	OmiDowRd	7/11/2001	OmiDowRd	0	0	0	0	75.7	10 *U*				0.05 *U*
TECK01	OmiDowRd	8/5/2001	OmiDowRd	0	0	0	0	66.5	10 *U*				0.05 *U*
TECK01	OmiDowRd	9/15/2001	OmiDowRd	0	0	0	0	73.7	31.4				0.05 *U*
TECK01	OmiDowRd	10/9/2001	OmiDowRd	0	0	0	0	100	10 *U*				0.05 *U*
TECK03	OmiDowRd	5/22/2003	03-1972	0	0	0	0						
TECK03	OmiDowRd	5/22/2003	03-1973	0	0	0	0	30.2	106				0.0500 *U*
TECK03	OmiDowRd	6/11/2003	03-2464	0	0	0	0						
TECK03	OmiDowRd	6/11/2003	03-2465	0	0	0	0	20.0	377				0.250 *U*
TECK03	OmiDowRd	6/28/2003	03-2871	0	0	0	0						
TECK03	OmiDowRd	6/28/2003	03-2872	0	0	0	0	91.4	11.0				0.0411 *U*
TECK03	OmiDowRd	7/13/2003	03-3276	0	0	0	0						
TECK03	OmiDowRd	7/13/2003	03-3277	0	0	0	0	66.9	10.0 *U*				0.0500 *U*
TECK03	OmiDowRd	8/10/2003	03-3863	0	0	0	0	54.0	32.0				0.0365 *U*
TECK03	OmiDowRd	10/6/2003	03-4755	0	0	0	0	62.4	40.3	0.0000630 *U*	0.000482 *U*	0.112	0.0365 *U*
USGS02	OmikR	7/28/2002	OmikR_SW	0	0	0	0	94.6	10 *U*				0.03
TECK01	OmiMth	7/11/2001	OmiMth	0	0	0	0	96.6	10 *U*				0.05 *U*
TECK01	OmiMth	8/5/2001	OmiMth	0	0	0	0	83.7	10 *U*				0.05 *U*
TECK01	OmiMth	9/15/2001	OmiMth	0	0	0	0	85.3	10 *U*				0.05 *U*
TECK01	OmiMth	10/9/2001	OmiMth	0	0	0	0	99.9	10 *U*				0.05 *U*
TECK03	OmiMth	5/22/2003	03-1976	0	0	0	0						
TECK03	OmiMth	5/22/2003	03-1977	0	0	0	0	54.4	31.1				0.0500 *U*
TECK03	OmiMth	6/11/2003	03-2466	0	0	0	0						
TECK03	OmiMth	6/11/2003	03-2467	0	0	0	0	27.0	306				0.250 *U*
TECK03	OmiMth	6/27/2003	03-2867	0	0	0	0						
TECK03	OmiMth	6/27/2003	03-2868	0	0	0	0	112	2.52 *U*				0.202
TECK03	OmiMth	7/12/2003	03-3250	0	0	0	0						
TECK03	OmiMth	7/12/2003	03-3251	0	0	0	0	86.8	10.0 *U*				0.0500 *U*
TECK03	OmiMth	8/10/2003	03-3865	0	0	0	0	99.9	56.0				0.0900
TECK03	OmiMth	10/6/2003	03-4760	0	0	0	0	71.8	29.9				0.161 *U*
TECK01	OmiNFUp	7/11/2001	OmiNFUp	0	0	0	0	88.5	10 *U*				0.05 *U*
TECK01	OmiNFUp	8/5/2001	OmiNFUp	0	0	0	0	82.2	10 *U*				0.05 *U*
TECK01	OmiNFUp	9/15/2001	OmiNFUp	0	0	0	0	86.1	10 *U*				0.05 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (mg/L unfiltered)	Arsenic (mg/L unfiltered)	Barium (mg/L unfiltered)	Cadmium (µg/L unfiltered)
TECK01	OmiNFUp	10/9/2001	OmiNFUp	0	0	0	0	104	10 *U*				0.05 *U*
TECK03	OmiNFUp	5/22/2003	03-1966	0	0	0	0						
TECK03	OmiNFUp	5/22/2003	03-1967	0	0	0	0	37.4	47.9				
TECK03	OmiNFUp	6/11/2003	03-2469	0	0	0	0						
TECK03	OmiNFUp	6/11/2003	03-2470	0	0	0	0	20.5	368				0.250 *U*
TECK03	OmiNFUp	6/28/2003	03-2892	0	0	0	0						
TECK03	OmiNFUp	6/28/2003	03-2893	0	0	0	0	98.8	2.52 *U*				0.0411 *U*
TECK03	OmiNFUp	7/13/2003	03-3282	0	0	0	0						
TECK03	OmiNFUp	7/13/2003	03-3283	0	0	0	0	77.1	10.0 *U*				0.0500 *U*
TECK03	OmiNFUp	8/10/2003	03-3867	0	0	0	0	94.7	29.0				0.0800
TECK03	OmiNFUp	10/6/2003	03-4759	0	0	0	0	71.7	28.0	0.000340 *J*	0.000482 *U*	0.135	0.0365 *U*
TECK01	OmiRoad	7/11/2001	OmiRoad	0	0	0	0	77.3	10 *U*				0.05 *U*
TECK01	OmiRoad	8/5/2001	OmiRoad	0	0	0	0	75.6	10 *U*				0.05 *U*
TECK01	OmiRoad	9/15/2001	OmiRoad	0	0	0	0	83.7	20.2				0.05 *U*
TECK01	OmiRoad	10/9/2001	OmiRoad	0	0	0	0	99.7	10 *U*				0.05 *U*
TECK03	OmiRoad	5/22/2003	03-1970	0	0	0	0						
TECK03	OmiRoad	5/22/2003	03-1971	0	0	0	0	28.0	153				0.0500 *U*
TECK03	OmiRoad	6/11/2003	03-2462	0	0	0	0						
TECK03	OmiRoad	6/11/2003	03-2463	0	0	0	0	19.6	401				0.250 *U*
TECK03	OmiRoad	6/28/2003	03-2888	0	0	0	0						
TECK03	OmiRoad	6/28/2003	03-2889	0	0	0	0	91.6	11.0				0.0411 *U*
TECK03	OmiRoad	7/13/2003	03-3278	0	0	0	0						
TECK03	OmiRoad	7/13/2003	03-3279	0	0	0	0	68.7	10.0 *U*				0.0500 *U*
TECK03	OmiRoad	8/10/2003	03-3861	0	0	0	0	82.0	51.0				0.130
TECK03	OmiRoad	9/22/2003	03-4620	0	0	0	0	91.7	23.9				0.037 *U*
TECK03	OmiRoad	10/6/2003	03-4757	0	0	0	0	68.1	24.4	0.0000630 *U*	0.000482 *U*	0.133	0.0365 *U*
TECK01	OmiSFUp	7/11/2001	OmiSFUp	0	0	0	0	63.2	10 *U*				0.05 *U*
TECK01	OmiSFUp	8/5/2001	OmiSFUp	0	0	0	0	66.8	33.3				0.05 *U*
TECK01	OmiSFUp	9/15/2001	OmiSFUp	0	0	0	0	67.6	37.6				0.05 *U*
TECK01	OmiSFUp	10/9/2001	OmiSFUp	0	0	0	0	99.9	10 *U*				0.05 *U*
TECK03	OmiSFUp	5/22/2003	03-1968	0	0	0	0						
TECK03	OmiSFUp	5/22/2003	03-1969	0	0	0	0	17.4	184				0.0500 *U*
TECK03	OmiSFUp	6/11/2003	03-2471	0	0	0	0						
TECK03	OmiSFUp	6/11/2003	03-2472	0	0	0	0	15.2	313				0.250 *U*
TECK03	OmiSFUp	6/28/2003	03-2890	0	0	0	0						
TECK03	OmiSFUp	6/28/2003	03-2891	0	0	0	0	77.1	27.8				0.0411 *U*
TECK03	OmiSFUp	7/13/2003	03-3280	0	0	0	0						
TECK03	OmiSFUp	7/13/2003	03-3281	0	0	0	0	62.0	10.0 *U*				0.0500 *U*
TECK03	OmiSFUp	8/10/2003	03-3869	0	0	0	0	74.2	52.0				0.0365 *U*
TECK03	OmiSFUp	10/6/2003	03-4758	0	0	0	0	56.0	38.5	0.0000630 *U*	0.000482 *U*	0.0950	0.0365 *U*
TECK01	StrDowRd	7/11/2001	StrDowRd	0	0	0	0	34.4	23.8				0.05 *U*
TECK01	StrDowRd	8/6/2001	StrDowRd	0	0	0	0	43.5	38.5				0.05 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (mg/L unfiltered)	Arsenic (mg/L unfiltered)	Barium (mg/L unfiltered)	Cadmium (µg/L unfiltered)
TECK01	StrDowRd	9/15/2001	StrDowRd	0	0	0	0	48.1	78.1				0.05 *U*
TECK01	StrDowRd	10/9/2001	StrDowRd	0	0	0	0	75.8	10 *U*				0.05 *U*
TECK03	StrDowRd	5/23/2003	03-1994	0	0	0	0						
TECK03	StrDowRd	5/23/2003	03-1997	0	0	0	0	13.5	125				0.0500 *U*
TECK03	StrDowRd	6/11/2003	03-2475	0	0	0	0						
TECK03	StrDowRd	6/11/2003	03-2476	0	0	0	0	20.1	4,060				0.250 *U*
TECK03	StrDowRd	6/27/2003	03-2896	0	0	0	0						
TECK03	StrDowRd	6/27/2003	03-2897	0	0	0	0	37.3	33.5				0.0411 *U*
TECK03	StrDowRd	7/13/2003	03-3290	0	0	0	0						
TECK03	StrDowRd	7/13/2003	03-3291	0	0	0	0	39.8	45.6				0.0500 *U*
TECK03	StrDowRd	8/10/2003	03-3873	0	0	0	0	48.9	54.0				0.0365 *U*
TECK03	StrDowRd	10/6/2003	03-4753	0	0	0	0	39.7	71.9				0.0365 *U*
TECK01	StrMth	9/15/2001	StrMth	0	0	0	0	79.9	10 *U*				0.05 *U*
TECK03	StrMth	8/10/2003	03-3875	0	0	0	0	122	25.0				0.0365 *U*
TECK01	StrRoad	8/6/2001	StrRoad	0	0	0	0	54.3	42.6				0.05 *U*
TECK01	StrRoad	9/15/2001	StrRoad	0	0	0	0	57.1	109				0.05 *U*
TECK01	StrRoad	10/9/2001	StrRoad	0	0	0	0	94.6	10 *U*				0.05 *U*
TECK03	StrRoad	5/23/2003	03-1995	0	0	0	0						
TECK03	StrRoad	5/23/2003	03-1996	0	0	0	0	13.0	179				0.0500 *U*
TECK03	StrRoad	6/11/2003	03-2473	0	0	0	0						
TECK03	StrRoad	6/11/2003	03-2474	0	0	0	0	20.5	4,060				0.250 *U*
TECK03	StrRoad	6/27/2003	03-2894	0	0	0	0						
TECK03	StrRoad	6/27/2003	03-2895	0	0	0	0	57.5	37.5				0.0411 *U*
TECK03	StrRoad	7/13/2003	03-3294	0	0	0	0						
TECK03	StrRoad	7/13/2003	03-3295	0	0	0	0	50.5	54.7				0.0500 *U*
TECK03	StrRoad	8/10/2003	03-3871	0	0	0	0	56.8	109				0.0365 *U*
TECK03	StrRoad	9/22/2003	03-4619	0	0	0	0	70.7	216				0.08
TECK03	StrRoad	10/6/2003	03-4756	0	0	0	0	44.1	83.2				0.0365 *U*
TECK01	StrUpRd	7/11/2001	StrUpRd	0	0	0	0	57.9	27.3				0.05 *U*
TECK01	StrUpRd	8/6/2001	StrUpRd	0	0	0	0	49.0	45.4				0.05 *U*
TECK01	StrUpRd	9/15/2001	StrUpRd	0	0	0	0	52.3	357				0.05 *U*
TECK01	StrUpRd	10/9/2001	StrUpRd	0	0	0	0	82.0	10 *U*				0.05 *U*
TECK03	StrUpRd	5/23/2003	03-1999	0	0	0	0						
TECK03	StrUpRd	5/23/2003	03-2000	0	0	0	0	11.3	304				0.0500 *U*
TECK03	StrUpRd	6/11/2003	03-2478	0	0	0	0						
TECK03	StrUpRd	6/11/2003	03-2479	0	0	0	0	18.8	2,480				0.250 *U*
TECK03	StrUpRd	6/27/2003	03-2898	0	0	0	0						
TECK03	StrUpRd	6/27/2003	03-2899	0	0	0	0	61.6	38.8				0.0411 *U*
TECK03	StrUpRd	7/13/2003	03-3296	0	0	0	0						
TECK03	StrUpRd	7/13/2003	03-3297	0	0	0	0	46.6	35.1				0.0500 *U*
TECK03	StrUpRd	8/10/2003	03-3877	0	0	0	0	49.4	66.0				0.0365 *U*
TECK03	StrUpRd	10/6/2003	03-4754	0	0	0	0	42.2	68.0				0.0365 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (mg/L unfiltered)	Arsenic (mg/L unfiltered)	Barium (mg/L unfiltered)	Cadmium (µg/L unfiltered)
TECK01	TutDowRd	7/11/2001	TutDowRd	0	0	0	0	50.0	10 *U*				0.05 *U*
TECK01	TutDowRd	8/6/2001	TutDowRd	0	0	0	0	53.1	10 *U*				0.05 *U*
TECK01	TutDowRd	9/15/2001	TutDowRd	0	0	0	0	56.6	21.7				0.05 *U*
TECK01	TutDowRd	10/8/2001	TutDowRd	0	0	0	0	69.3	10 *U*				0.05 *U*
TECK03	TutDowRd	5/22/2003	03-1964	0	0	0	0						
TECK03	TutDowRd	5/22/2003	03-1965	0	0	0	0	22.0	52.5				0.0500 *U*
TECK03	TutDowRd	6/11/2003	03-2482	0	0	0	0						
TECK03	TutDowRd	6/11/2003	03-2483	0	0	0	0	12.2	112				0.250 *U*
TECK03	TutDowRd	6/28/2003	03-2900	0	0	0	0						
TECK03	TutDowRd	6/28/2003	03-2901	0	0	0	0	52.7	9.29				0.0411 *U*
TECK03	TutDowRd	7/13/2003	03-3284	0	0	0	0						
TECK03	TutDowRd	7/13/2003	03-3285	0	0	0	0	47.4	10.0 *U*				0.0500 *U*
TECK03	TutDowRd	8/10/2003	03-3881	0	0	0	0	60.0	29.0				0.0365 *U*
TECK03	TutDowRd	10/6/2003	03-4741	0	0	0	0	44.2	15.1 *U*				0.0365 *U*
TECK01	TutMth	7/11/2001	TutMth	0	0	0	0	63.8	10 *U*				0.05 *U*
TECK01	TutMth	8/6/2001	TutMth	0	0	0	0	47.4	21.8				0.05 *U*
TECK01	TutMth	9/15/2001	TutMth	0	0	0	0	52.0	37.8				0.05 *U*
TECK01	TutMth	10/8/2001	TutMth	0	0	0	0	66.2	10 *U*				0.05 *U*
TECK03	TutMth	5/22/2003	03-1974	0	0	0	0						
TECK03	TutMth	5/22/2003	03-1975	0	0	0	0	22.2	47.9				0.0500 *U*
TECK03	TutMth	6/11/2003	03-2484	0	0	0	0						
TECK03	TutMth	6/11/2003	03-2485	0	0	0	0	16.8	123				0.250 *U*
TECK03	TutMth	6/27/2003	03-2865	0	0	0	0						
TECK03	TutMth	6/27/2003	03-2866	0	0	0	0	67.8	8.44				0.0411 *U*
TECK03	TutMth	7/12/2003	03-3248	0	0	0	0						
TECK03	TutMth	7/12/2003	03-3249	0	0	0	0	50.0	10.0 *U*				0.245
TECK03	TutMth	8/10/2003	03-3883	0	0	0	0	56.3	40.0				0.100
TECK03	TutMth	10/6/2003	03-4740	0	0	0	0	39.1	31.1 *U*				0.0365 *U*
TECK01	TutRoad	7/11/2001	TutRoad	0	0	0	0	47.6	10 *U*				0.05 *U*
TECK01	TutRoad	8/6/2001	TutRoad	0	0	0	0	51.9	10 *U*				0.05 *U*
TECK01	TutRoad	9/15/2001	TutRoad	0	0	0	0	53.8	21.6				0.05 *U*
TECK01	TutRoad	10/8/2001	TutRoad	0	0	0	0	72.1	10 *U*				0.05 *U*
TECK03	TutRoad	5/22/2003	03-1962	0	0	0	0						
TECK03	TutRoad	5/22/2003	03-1963	0	0	0	0	19.4	57.8				0.0500 *U*
TECK03	TutRoad	6/11/2003	03-2480	0	0	0	0						
TECK03	TutRoad	6/11/2003	03-2481	0	0	0	0	11.6	89.3				0.250 *U*
TECK03	TutRoad	6/28/2003	03-2902	0	0	0	0						
TECK03	TutRoad	6/28/2003	03-2903	0	0	0	0	51.4	6.45				0.0411 *U*
TECK03	TutRoad	7/13/2003	03-3286	0	0	0	0						
TECK03	TutRoad	7/13/2003	03-3287	0	0	0	0	48.6	10.0 *U*				0.0500 *U*
TECK03	TutRoad	8/10/2003	03-3879	0	0	0	0	59.0	6.00 *U*				0.0365 *U*
TECK03	TutRoad	9/22/2003	03-4621	0	0	0	0	72.9	13.7				0.037 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (mg/L unfiltered)	Arsenic (mg/L unfiltered)	Barium (mg/L unfiltered)	Cadmium (µg/L unfiltered)
TECK03	TutRoad	10/8/2003	03-4770	0	0	0	0	52.0	19.0 *J*				0.156 *U*
TECK01	TutUpRd	7/11/2001	TutUpRd	0	0	0	0	45.3	10 *U*				0.05 *U*
TECK01	TutUpRd	8/6/2001	TutUpRd	0	0	0	0	52.8	10 *U*				0.05 *U*
TECK01	TutUpRd	9/15/2001	TutUpRd	0	0	0	0	61.7	29.4				0.05 *U*
TECK01	TutUpRd	10/8/2001	TutUpRd	0	0	0	0	77.4	10 *U*				0.05 *U*
TECK03	TutUpRd	5/22/2003	03-1960	0	0	0	0						
TECK03	TutUpRd	5/22/2003	03-1961	0	0	0	0	19.6	112				0.0500 *U*
TECK03	TutUpRd	6/11/2003	03-2486	0	0	0	0						
TECK03	TutUpRd	6/11/2003	03-2487	0	0	0	0	11.4	179				0.250 *U*
TECK03	TutUpRd	6/28/2003	03-2904	0	0	0	0						
TECK03	TutUpRd	6/28/2003	03-2905	0	0	0	0	46.9	8.88				0.0411 *U*
TECK03	TutUpRd	7/13/2003	03-3288	0	0	0	0						
TECK03	TutUpRd	7/13/2003	03-3289	0	0	0	0	47.4	10.0 *U*				0.102
TECK03	TutUpRd	8/10/2003	03-3885	0	0	0	0	60.6	42.0				0.130
TECK03	TutUpRd	10/6/2003	03-4742	0	0	0	0	45.8	19.6 *U*				0.0365 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Calcium (mg/L unfiltered)	Chromium (mg/L unfiltered)	Cobalt (mg/L unfiltered)	Copper (mg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (μg/L unfiltered)
TECK03	ARC-D	10/10/2003	03-4781	0	0	0	0	10.0	0.000396 *U*	0.0000150 *U*	0.000105 *U*		116
TECK03	ARC-U	10/10/2003	03-4782	0	0	0	0	9.70	0.000396 *U*	0.00001000 *U*	0.000105 *U*		42.8
USGS02	AufCreek	7/29/2002	AufCreek_SW	0	0	0	0	35	0.0004 *U*		0.0006	0.05 *U*	5.0 *U*
TECK01	AufDowRd	7/11/2001	AufDowRd	0	0	0	0	23.3					25 *U*
TECK01	AufDowRd	8/6/2001	AufDowRd	0	0	0	0	25.1					20 *U*
TECK01	AufDowRd	9/4/2001	AufDowRd	0	0	0	0	35.3					10 *U*
TECK01	AufDowRd	10/9/2001	AufDowRd	0	0	0	0	40.2					20 *U*
TECK03	AufDowRd	5/23/2003	03-1990	0	0	0	0	7.83					90.7
TECK03	AufDowRd	6/11/2003	03-1990	0	0	0	0	6.33					475
TECK03	AufDowRd	6/27/2003	03-1990	0	0	0	0						
TECK03	AufDowRd	6/27/2003	03-2880	0	0	0	0						
TECK03	AufDowRd	6/27/2003	03-2881	0	0	0	0	23.3					23.3
TECK03	AufDowRd	7/12/2003	03-3268	0	0	0	0						
TECK03	AufDowRd	7/12/2003	03-3269	0	0	0	0	23.6					20.0 *U*
TECK03	AufDowRd	8/11/2003	03-3843	0	0	0	0	30.0					13.0
TECK03	AufMth	5/23/2003	03-1986	0	0	0	0						
TECK03	AufMth	5/23/2003	03-1987	0	0	0	0	17.1					46.9
TECK03	AufMth	6/11/2003	03-2446	0	0	0	0						
TECK03	AufMth	6/11/2003	03-2447	0	0	0	0	11.2					109
TECK03	AufMth	6/27/2003	03-2863	0	0	0	0						
TECK03	AufMth	6/27/2003	03-2864	0	0	0	0	30.9					16.3
TECK03	AufMth	7/12/2003	03-3252	0	0	0	0						
TECK03	AufMth	7/12/2003	03-3253	0	0	0	0	24.9					20.0 *U*
TECK03	AufMth	8/10/2003	03-3845	0	0	0	0	31.5					51.0
TECK03	AufMth	10/6/2003	03-4763	0	0	0	0	25.3				0.0600 *J*	92.0
TECK01	AufMthL1	7/11/2001	AufMthL1	0	0	0	0	29.4					25 *U*
TECK01	AufMthL2	7/11/2001	AufMthL2	0	0	0	0	36.1					25 *U*
TECK01	AufMthL2	8/6/2001	AufMthL2	0	0	0	0	26.1					20 *U*
TECK01	AufMthL2	9/4/2001	AufMthL2	0	0	0	0	30.6					24.5
TECK01	AufMthL2	10/9/2001	AufMthL2	0	0	0	0	64.6					71.2
TECK01	AufNFUp	7/11/2001	AufNFUp	0	0	0	0	6.25					25 *U*
TECK01	AufNFUp	8/6/2001	AufNFUp	0	0	0	0	8.25					20 *U*
TECK01	AufNFUp	9/4/2001	AufNFUp	0	0	0	0	11.3					10 *U*
TECK01	AufNFUp	10/9/2001	AufNFUp	0	0	0	0	15.8					20 *U*
TECK03	AufNFUp	5/23/2003	03-1992	0	0	0	0						
TECK03	AufNFUp	5/23/2003	03-1993	0	0	0	0	6.76					112
TECK03	AufNFUp	6/11/2003	03-2448	0	0	0	0						
TECK03	AufNFUp	6/11/2003	03-2449	0	0	0	0	3.00					694
TECK03	AufNFUp	6/27/2003	03-2886	0	0	0	0						
TECK03	AufNFUp	6/27/2003	03-2887	0	0	0	0	7.83					27.1
TECK03	AufNFUp	7/12/2003	03-3274	0	0	0	0						
TECK03	AufNFUp	7/12/2003	03-3275	0	0	0	0	8.10					70.0

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Calcium (mg/L unfiltered)	Chromium (mg/L unfiltered)	Cobalt (mg/L unfiltered)	Copper (mg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (μg/L unfiltered)
TECK03	AufNFUp	8/10/2003	03-3847	0	0	0	0	11.4					22.0
TECK03	AufNFUp	10/6/2003	03-4752	0	0	0	0	10.1	0.000396 *U*	0.00001000 *U*	0.00106	0.0400 *J*	41.7
TECK01	AufRoad	7/11/2001	AufRoad	0	0	0	0	19.5					25 *U*
TECK01	AufRoad	8/6/2001	AufRoad	0	0	0	0	22.3					20 *U*
TECK01	AufRoad	9/4/2001	AufRoad	0	0	0	0	31.2					10 *U*
TECK01	AufRoad	10/9/2001	AufRoad	0	0	0	0	38.5					20 *U*
TECK03	AufRoad	5/23/2003	03-1990	0	0	0	0	11.9					92.7
TECK03	AufRoad	6/11/2003	03-1990	0	0	0	0	5.66					756
TECK03	AufRoad	6/27/2003	03-1990	0	0	0	0	19.9					25.4
TECK03	AufRoad	7/12/2003	03-1990	0	0	0	0	22.8					20.0 *U*
TECK03	AufRoad	8/11/2003	03-1990	0	0	0	0	29.2					63.0
TECK03	AufRoad	9/22/2003	03-4618	0	0	0	0	29.9				0.06	16.1
TECK03	AufRoad	10/6/2003	03-4750	0	0	0	0	25.9	0.000396 *U*	0.000120 *J*	0.000480 *J*	0.0500 *J*	25.4
TECK03	AufRoad	10/6/2003	03-4761	0	0	0	0	23.5	0.000396 *U*	0.0000600 *J*	0.000590 *J*	0.0700 *J*	27.8
TECK01	AufSFUp	7/11/2001	AufSFUp	0	0	0	0	22.1					51.2
TECK01	AufSFUp	8/6/2001	AufSFUp	0	0	0	0	29.7					20 *U*
TECK01	AufSFUp	9/4/2001	AufSFUp	0	0	0	0	40.6					10 *U*
TECK01	AufSFUp	10/9/2001	AufSFUp	0	0	0	0	54.2					20 *U*
TECK03	AufSFUp	6/11/2003	03-2450	0	0	0	0						
TECK03	AufSFUp	6/11/2003	03-2451	0	0	0	0	6.34					1,270
TECK03	AufSFUp	6/27/2003	03-2883	0	0	0	0						
TECK03	AufSFUp	6/27/2003	03-2884	0	0	0	0	28.4					53.9
TECK03	AufSFUp	7/12/2003	03-3272	0	0	0	0						
TECK03	AufSFUp	7/12/2003	03-3273	0	0	0	0	29.0					20.0 *U*
TECK03	AufSFUp	8/10/2003	03-3849	0	0	0	0	37.0					56.0
TECK03	AufSFUp	10/6/2003	03-4751	0	0	0	0	30.9	0.000396 *U*	0.000130 *J*	0.000750 *J*	0.0800 *J*	28.5
USGS02	MudLkCr	7/30/2002	MudLkCr_SW	0	0	0	0	28	0.0004 *U*		0.0011	0.05 *U*	460
USGS02	NewHeart	7/29/2002	NewHeart_SW	0	0	0	0	69	0.0004 *U*		0.0008	0.05 *U*	6
TECK01	NHDowRd	7/12/2001	NHDowRd	0	0	0	0	47.7					25 *U*
TECK01	NHDowRd	8/6/2001	NHDowRd	0	0	0	0	42.8					59.4
TECK01	NHDowRd	9/4/2001	NHDowRd	0	0	0	0	58.4					57.1
TECK01	NHDowRd	10/8/2001	NHDowRd	0	0	0	0	56.6					127
TECK03	NHDowRd	6/11/2003	03-2454	0	0	0	0						
TECK03	NHDowRd	6/11/2003	03-2455	0	0	0	0	21.7					88.0
TECK03	NHDowRd	6/27/2003	03-2873	0	0	0	0						
TECK03	NHDowRd	6/27/2003	03-2874	0	0	0	0	57.4					21.9
TECK03	NHDowRd	7/12/2003	03-3257	0	0	0	0						
TECK03	NHDowRd	7/12/2003	03-3258	0	0	0	0	37.6					60.1
TECK03	NHDowRd	8/10/2003	03-3853	0	0	0	0	54.8					63.0
TECK03	NHDowRd	10/6/2003	03-4746	0	0	0	0	35.1	0.000396 *U*	0.000270 *J*	0.000920 *J*	0.0400	85.2
TECK03	NHMth	5/23/2003	03-1978	0	0	0	0						
TECK03	NHMth	5/23/2003	03-1979	0	0	0	0	13.7					169

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Calcium (mg/L unfiltered)	Chromium (mg/L unfiltered)	Cobalt (mg/L unfiltered)	Copper (mg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (μg/L unfiltered)
TECK03	NHMth	6/11/2003	03-2456	0	0	0	0						
TECK03	NHMth	6/11/2003	03-2457	0	0	0	0	21.1					131
TECK03	NHMth	6/27/2003	03-2869	0	0	0	0						
TECK03	NHMth	6/27/2003	03-2870	0	0	0	0	59.6					88.6
TECK03	NHMth	7/12/2003	03-3254	0	0	0	0						
TECK03	NHMth	7/12/2003	03-3255	0	0	0	0	36.4					89.0
TECK03	NHMth	8/10/2003	03-3855	0	0	0	0	44.6					97.0
TECK03	NHMth	10/6/2003	03-4745	0	0	0	0	30.1				0.0700 *J*	133
TECK01	NHMthL1	7/12/2001	NHMthL1	0	0	0	0	54.2					25 *U*
TECK01	NHMthL1	8/6/2001	NHMthL1	0	0	0	0	37.7					85.3
TECK01	NHMthL1	9/4/2001	NHMthL1	0	0	0	0	48.8					93.8
TECK01	NHMthL1	10/8/2001	NHMthL1	0	0	0	0	56.2					59.5
TECK01	NHMthL2	7/12/2001	NHMthL2	0	0	0	0	53					56.7
TECK01	NHNFUp	7/12/2001	NHNFUp	0	0	0	0	28					169
TECK01	NHNFUp	8/6/2001	NHNFUp	0	0	0	0	40.9					113
TECK01	NHNFUp	9/4/2001	NHNFUp	0	0	0	0	53.7					127
TECK01	NHNFUp	10/8/2001	NHNFUp	0	0	0	0	55.7					20 *U*
TECK03	NHNFUp	6/11/2003	03-2458	0	0	0	0						
TECK03	NHNFUp	6/11/2003	03-2459	0	0	0	0	12.4					334
TECK03	NHNFUp	6/27/2003	03-2877	0	0	0	0						
TECK03	NHNFUp	6/27/2003	03-2878	0	0	0	0	42.2					116
TECK03	NHNFUp	7/12/2003	03-3266	0	0	0	0						
TECK03	NHNFUp	7/12/2003	03-3267	0	0	0	0	36.6					71.3
TECK03	NHNFUp	8/10/2003	03-3857	0	0	0	0	48.1					112
TECK03	NHNFUp	10/6/2003	03-4748	0	0	0	0	37.7	0.000396 *U*	0.000210 *J*	0.000860 *J*	0.0500 *J*	66.3
TECK01	NHRoad	7/12/2001	NHRoad	0	0	0	0	34.9					87.6
TECK01	NHRoad	8/6/2001	NHRoad	0	0	0	0	42.4					113
TECK01	NHRoad	9/4/2001	NHRoad	0	0	0	0	57.9					77.4
TECK01	NHRoad	10/8/2001	NHRoad	0	0	0	0	61.3					47.3
TECK03	NHRoad	5/23/2003	03-1982	0	0	0	0						
TECK03	NHRoad	5/23/2003	03-1983	0	0	0	0	9.74					89.5
TECK03	NHRoad	6/11/2003	03-2452	0	0	0	0						
TECK03	NHRoad	6/11/2003	03-2453	0	0	0	0	17.0					161
TECK03	NHRoad	6/27/2003	03-2875	0	0	0	0	49.4					38.5
TECK03	NHRoad	7/12/2003	03-3260	0	0	0	0						
TECK03	NHRoad	7/12/2003	03-3261	0	0	0	0	36.4					110
TECK03	NHRoad	8/10/2003	03-3851	0	0	0	0	49.4					115
TECK03	NHRoad	9/22/2003	03-4617	0	0	0	0	57.6				0.12	111
TECK03	NHRoad	10/6/2003	03-4749	0	0	0	0	42.4	0.000396 *U*	0.000330 *J*	0.000970 *J*	0.0400	137
TECK01	NHSFUp	7/12/2001	NHSFUp	0	0	0	0	26.1					331
TECK01	NHSFUp	8/6/2001	NHSFUp	0	0	0	0	28.6					72.9
TECK01	NHSFUp	9/4/2001	NHSFUp	0	0	0	0	33.8					200

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Calcium (mg/L unfiltered)	Chromium (mg/L unfiltered)	Cobalt (mg/L unfiltered)	Copper (mg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (μg/L unfiltered)
TECK03	NHSFUp	5/23/2003	03-1984	0	0	0	0						
TECK03	NHSFUp	5/23/2003	03-1985	0	0	0	0	12.1					56.0
TECK03	NHSFUp	6/11/2003	03-2460	0	0	0	0						
TECK03	NHSFUp	6/11/2003	03-2461	0	0	0	0	19.2					89.1
TECK03	NHSFUp	6/27/2003	03-2876	0	0	0	0						
TECK03	NHSFUp	6/27/2003	03-2879	0	0	0	0	31.3					1,570
TECK03	NHSFUp	7/12/2003	03-3264	0	0	0	0						
TECK03	NHSFUp	7/12/2003	03-3265	0	0	0	0	23.9					102
TECK03	NHSFUp	8/10/2003	03-3859	0	0	0	0	35.8					113
TECK03	NHSFUp	10/6/2003	03-4747	0	0	0	0	28.0	0.000396 *U*	0.000160 *J*	0.000300 *J*	0.0500	46.0
TECK01	OmiDowRd	7/11/2001	OmiDowRd	0	0	0	0	21.8					60.9
TECK01	OmiDowRd	8/5/2001	OmiDowRd	0	0	0	0	19.4					160
TECK01	OmiDowRd	9/15/2001	OmiDowRd	0	0	0	0	21.1					190
TECK01	OmiDowRd	10/9/2001	OmiDowRd	0	0	0	0	29.1					70.5
TECK03	OmiDowRd	5/22/2003	03-1972	0	0	0	0						
TECK03	OmiDowRd	5/22/2003	03-1973	0	0	0	0	8.76					357
TECK03	OmiDowRd	6/11/2003	03-2464	0	0	0	0						
TECK03	OmiDowRd	6/11/2003	03-2465	0	0	0	0	5.52					1,390
TECK03	OmiDowRd	6/28/2003	03-2871	0	0	0	0						
TECK03	OmiDowRd	6/28/2003	03-2872	0	0	0	0	26.6					44.7
TECK03	OmiDowRd	7/13/2003	03-3276	0	0	0	0						
TECK03	OmiDowRd	7/13/2003	03-3277	0	0	0	0	19.4					76.6
TECK03	OmiDowRd	8/10/2003	03-3863	0	0	0	0	14.5					128
TECK03	OmiDowRd	10/6/2003	03-4755	0	0	0	0	17.5	0.000396 *U*	0.000130 *J*	0.00123	0.0400 *J*	211
USGS02	OmikR	7/28/2002	OmikR_SW	0	0	0	0	28	0.0004 *U*		0.0006	0.05 *U*	8
TECK01	OmiMth	7/11/2001	OmiMth	0	0	0	0	32.6					25 *U*
TECK01	OmiMth	8/5/2001	OmiMth	0	0	0	0	27.8					20 *U*
TECK01	OmiMth	9/15/2001	OmiMth	0	0	0	0	27.3					56
TECK01	OmiMth	10/9/2001	OmiMth	0	0	0	0	33.9					20 *U*
TECK03	OmiMth	5/22/2003	03-1976	0	0	0	0						
TECK03	OmiMth	5/22/2003	03-1977	0	0	0	0	17.5					138
TECK03	OmiMth	6/11/2003	03-2466	0	0	0	0						
TECK03	OmiMth	6/11/2003	03-2467	0	0	0	0	7.98					1,210
TECK03	OmiMth	6/27/2003	03-2867	0	0	0	0						
TECK03	OmiMth	6/27/2003	03-2868	0	0	0	0	38.2					7.48
TECK03	OmiMth	7/12/2003	03-3250	0	0	0	0						
TECK03	OmiMth	7/12/2003	03-3251	0	0	0	0	29.4					20.0 *U*
TECK03	OmiMth	8/10/2003	03-3865	0	0	0	0	33.4					374
TECK03	OmiMth	10/6/2003	03-4760	0	0	0	0	21.9				0.0400 *J*	155
TECK01	OmiNFUp	7/11/2001	OmiNFUp	0	0	0	0	26.5					25 *U*
TECK01	OmiNFUp	8/5/2001	OmiNFUp	0	0	0	0	24.7					86.7
TECK01	OmiNFUp	9/15/2001	OmiNFUp	0	0	0	0	25.3					119

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Calcium (mg/L unfiltered)	Chromium (mg/L unfiltered)	Cobalt (mg/L unfiltered)	Copper (mg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (μg/L unfiltered)
TECK01	OmiNFUp	10/9/2001	OmiNFUp	0	0	0	0	30.9					20 *U*
TECK03	OmiNFUp	5/22/2003	03-1966	0	0	0	0						
TECK03	OmiNFUp	5/22/2003	03-1967	0	0	0	0	11.0					213
TECK03	OmiNFUp	6/11/2003	03-2469	0	0	0	0						
TECK03	OmiNFUp	6/11/2003	03-2470	0	0	0	0	5.73					1,380
TECK03	OmiNFUp	6/28/2003	03-2892	0	0	0	0						
TECK03	OmiNFUp	6/28/2003	03-2893	0	0	0	0	29.6					2.57 *U*
TECK03	OmiNFUp	7/13/2003	03-3282	0	0	0	0						
TECK03	OmiNFUp	7/13/2003	03-3283	0	0	0	0	23.0					20.0 *U*
TECK03	OmiNFUp	8/10/2003	03-3867	0	0	0	0	28.0					42.0
TECK03	OmiNFUp	10/6/2003	03-4759	0	0	0	0	20.8	0.000396 *U*	0.000120 *J*	0.000930 *J*	0.0500 *J*	144
TECK01	OmiRoad	7/11/2001	OmiRoad	0	0	0	0	22.2					25 *U*
TECK01	OmiRoad	8/5/2001	OmiRoad	0	0	0	0	22.4					75.9
TECK01	OmiRoad	9/15/2001	OmiRoad	0	0	0	0	24.4					102
TECK01	OmiRoad	10/9/2001	OmiRoad	0	0	0	0	28.8					20 *U*
TECK03	OmiRoad	5/22/2003	03-1970	0	0	0	0						
TECK03	OmiRoad	5/22/2003	03-1971	0	0	0	0	8.06					442
TECK03	OmiRoad	6/11/2003	03-2462	0	0	0	0						
TECK03	OmiRoad	6/11/2003	03-2463	0	0	0	0	5.36					1,410
TECK03	OmiRoad	6/28/2003	03-2888	0	0	0	0						
TECK03	OmiRoad	6/28/2003	03-2889	0	0	0	0	26.6					30.0
TECK03	OmiRoad	7/13/2003	03-3278	0	0	0	0						
TECK03	OmiRoad	7/13/2003	03-3279	0	0	0	0	19.8					20.0 *U*
TECK03	OmiRoad	8/10/2003	03-3861	0	0	0	0	23.5					88.0
TECK03	OmiRoad	9/22/2003	03-4620	0	0	0	0	25.8				0.06	59.4
TECK03	OmiRoad	10/6/2003	03-4757	0	0	0	0	19.4	0.000396 *U*	0.0001000 *J*	0.000990 *J*	0.0500 *J*	156
TECK01	OmiSFUp	7/11/2001	OmiSFUp	0	0	0	0	16.7					105
TECK01	OmiSFUp	8/5/2001	OmiSFUp	0	0	0	0	18					247
TECK01	OmiSFUp	9/15/2001	OmiSFUp	0	0	0	0	17.4					337
TECK01	OmiSFUp	10/9/2001	OmiSFUp	0	0	0	0	26.6					20 *U*
TECK03	OmiSFUp	5/22/2003	03-1968	0	0	0	0						
TECK03	OmiSFUp	5/22/2003	03-1969	0	0	0	0	4.45					570
TECK03	OmiSFUp	6/11/2003	03-2471	0	0	0	0						
TECK03	OmiSFUp	6/11/2003	03-2472	0	0	0	0	3.66					1,280
TECK03	OmiSFUp	6/28/2003	03-2890	0	0	0	0						
TECK03	OmiSFUp	6/28/2003	03-2891	0	0	0	0	20.5					71.3
TECK03	OmiSFUp	7/13/2003	03-3280	0	0	0	0						
TECK03	OmiSFUp	7/13/2003	03-3281	0	0	0	0	16.3					60.7
TECK03	OmiSFUp	8/10/2003	03-3869	0	0	0	0	19.3					176
TECK03	OmiSFUp	10/6/2003	03-4758	0	0	0	0	14.1	0.000396 *U*	0.0001000 *J*	0.001000	0.0600 *J*	216
TECK01	StrDowRd	7/11/2001	StrDowRd	0	0	0	0	8.32					207
TECK01	StrDowRd	8/6/2001	StrDowRd	0	0	0	0	10.5					592

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Calcium (mg/L unfiltered)	Chromium (mg/L unfiltered)	Cobalt (mg/L unfiltered)	Copper (mg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (μg/L unfiltered)
TECK01	StrDowRd	9/15/2001	StrDowRd	0	0	0	0	11.3					599
TECK01	StrDowRd	10/9/2001	StrDowRd	0	0	0	0	17.5					188
TECK03	StrDowRd	5/23/2003	03-1994	0	0	0	0						
TECK03	StrDowRd	5/23/2003	03-1997	0	0	0	0	3.14					434
TECK03	StrDowRd	6/11/2003	03-2475	0	0	0	0						
TECK03	StrDowRd	6/11/2003	03-2476	0	0	0	0	3.51					10,100
TECK03	StrDowRd	6/27/2003	03-2896	0	0	0	0						
TECK03	StrDowRd	6/27/2003	03-2897	0	0	0	0	8.85					173
TECK03	StrDowRd	7/13/2003	03-3290	0	0	0	0						
TECK03	StrDowRd	7/13/2003	03-3291	0	0	0	0	9.37					333
TECK03	StrDowRd	8/10/2003	03-3873	0	0	0	0	11.3					419
TECK03	StrDowRd	10/6/2003	03-4753	0	0	0	0	8.84				0.0500 *J*	450
TECK01	StrMth	9/15/2001	StrMth	0	0	0	0	25.8					27.5
TECK03	StrMth	8/10/2003	03-3875	0	0	0	0	40.8					22.0
TECK01	StrRoad	8/6/2001	StrRoad	0	0	0	0	13					689
TECK01	StrRoad	9/15/2001	StrRoad	0	0	0	0	13.4					799
TECK01	StrRoad	10/9/2001	StrRoad	0	0	0	0	22.1					201
TECK03	StrRoad	5/23/2003	03-1995	0	0	0	0						
TECK03	StrRoad	5/23/2003	03-1996	0	0	0	0	2.92					623
TECK03	StrRoad	6/11/2003	03-2473	0	0	0	0						
TECK03	StrRoad	6/11/2003	03-2474	0	0	0	0	3.57					10,300
TECK03	StrRoad	6/27/2003	03-2894	0	0	0	0						
TECK03	StrRoad	6/27/2003	03-2895	0	0	0	0	12.6					472
TECK03	StrRoad	7/13/2003	03-3294	0	0	0	0						
TECK03	StrRoad	7/13/2003	03-3295	0	0	0	0	12.1					378
TECK03	StrRoad	8/10/2003	03-3871	0	0	0	0	13.1					567
TECK03	StrRoad	9/22/2003	03-4619	0	0	0	0	16				0.08	850
TECK03	StrRoad	10/6/2003	03-4756	0	0	0	0	9.77				0.0500 *J*	498
TECK01	StrUpRd	7/11/2001	StrUpRd	0	0	0	0	12.8					487
TECK01	StrUpRd	8/6/2001	StrUpRd	0	0	0	0	10.9					822
TECK01	StrUpRd	9/15/2001	StrUpRd	0	0	0	0	11.6					1,310
TECK01	StrUpRd	10/9/2001	StrUpRd	0	0	0	0	18.3					298
TECK03	StrUpRd	5/23/2003	03-1999	0	0	0	0						
TECK03	StrUpRd	5/23/2003	03-2000	0	0	0	0	2.33					1,070
TECK03	StrUpRd	6/11/2003	03-2478	0	0	0	0						
TECK03	StrUpRd	6/11/2003	03-2479	0	0	0	0	3.48					7,270
TECK03	StrUpRd	6/27/2003	03-2898	0	0	0	0						
TECK03	StrUpRd	6/27/2003	03-2899	0	0	0	0	14.4					186
TECK03	StrUpRd	7/13/2003	03-3296	0	0	0	0						
TECK03	StrUpRd	7/13/2003	03-3297	0	0	0	0	10.3					510
TECK03	StrUpRd	8/10/2003	03-3877	0	0	0	0	10.4					566
TECK03	StrUpRd	10/6/2003	03-4754	0	0	0	0	8.95				0.0700 *J*	527

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Calcium (mg/L unfiltered)	Chromium (mg/L unfiltered)	Cobalt (mg/L unfiltered)	Copper (mg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (μg/L unfiltered)
TECK01	TutDowRd	7/11/2001	TutDowRd	0	0	0	0	13.1					25 *U*
TECK01	TutDowRd	8/6/2001	TutDowRd	0	0	0	0	14.3					91.4
TECK01	TutDowRd	9/15/2001	TutDowRd	0	0	0	0	15					116
TECK01	TutDowRd	10/8/2001	TutDowRd	0	0	0	0	18.6					20 *U*
TECK03	TutDowRd	5/22/2003	03-1964	0	0	0	0						
TECK03	TutDowRd	5/22/2003	03-1965	0	0	0	0	5.49					255
TECK03	TutDowRd	6/11/2003	03-2482	0	0	0	0						
TECK03	TutDowRd	6/11/2003	03-2483	0	0	0	0	2.99					600
TECK03	TutDowRd	6/28/2003	03-2900	0	0	0	0						
TECK03	TutDowRd	6/28/2003	03-2901	0	0	0	0	13.9					36.9
TECK03	TutDowRd	7/13/2003	03-3284	0	0	0	0						
TECK03	TutDowRd	7/13/2003	03-3285	0	0	0	0	12.5					40.0
TECK03	TutDowRd	8/10/2003	03-3881	0	0	0	0	15.4					86.0
TECK03	TutDowRd	10/6/2003	03-4741	0	0	0	0	11.4				0.0500 *J*	165
TECK01	TutMth	7/11/2001	TutMth	0	0	0	0	16.5					59.9
TECK01	TutMth	8/6/2001	TutMth	0	0	0	0	12.7					203
TECK01	TutMth	9/15/2001	TutMth	0	0	0	0	13.7					274
TECK01	TutMth	10/8/2001	TutMth	0	0	0	0	17.6					275
TECK03	TutMth	5/22/2003	03-1974	0	0	0	0						
TECK03	TutMth	5/22/2003	03-1975	0	0	0	0	5.56					267
TECK03	TutMth	6/11/2003	03-2484	0	0	0	0						
TECK03	TutMth	6/11/2003	03-2485	0	0	0	0	4.17					642
TECK03	TutMth	6/27/2003	03-2865	0	0	0	0						
TECK03	TutMth	6/27/2003	03-2866	0	0	0	0	17.8					62.0
TECK03	TutMth	7/12/2003	03-3248	0	0	0	0						
TECK03	TutMth	7/12/2003	03-3249	0	0	0	0	13.1					167
TECK03	TutMth	8/10/2003	03-3883	0	0	0	0	14.3					213
TECK03	TutMth	10/6/2003	03-4740	0	0	0	0	9.97				0.0600 *J*	298
TECK01	TutRoad	7/11/2001	TutRoad	0	0	0	0	12.3					25 *U*
TECK01	TutRoad	8/6/2001	TutRoad	0	0	0	0	13.9					89.3
TECK01	TutRoad	9/15/2001	TutRoad	0	0	0	0	14.2					113
TECK01	TutRoad	10/8/2001	TutRoad	0	0	0	0	19.2					20 *U*
TECK03	TutRoad	5/22/2003	03-1962	0	0	0	0						
TECK03	TutRoad	5/22/2003	03-1963	0	0	0	0	4.81					289
TECK03	TutRoad	6/11/2003	03-2480	0	0	0	0						
TECK03	TutRoad	6/11/2003	03-2481	0	0	0	0	2.90					538
TECK03	TutRoad	6/28/2003	03-2902	0	0	0	0						
TECK03	TutRoad	6/28/2003	03-2903	0	0	0	0	13.5					20.1
TECK03	TutRoad	7/13/2003	03-3286	0	0	0	0						
TECK03	TutRoad	7/13/2003	03-3287	0	0	0	0	12.8					20.0 *U*
TECK03	TutRoad	8/10/2003	03-3879	0	0	0	0	15.5					114
TECK03	TutRoad	9/22/2003	03-4621	0	0	0	0	19.1				0.09	55

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Calcium (mg/L unfiltered)	Chromium (mg/L unfiltered)	Cobalt (mg/L unfiltered)	Copper (mg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (μg/L unfiltered)
TECK03	TutRoad	10/8/2003	03-4770	0	0	0	0	13.6				0.0500 *J*	122
TECK01	TutUpRd	7/11/2001	TutUpRd	0	0	0	0	11.6					63.6
TECK01	TutUpRd	8/6/2001	TutUpRd	0	0	0	0	14.1					111
TECK01	TutUpRd	9/15/2001	TutUpRd	0	0	0	0	16.5					178
TECK01	TutUpRd	10/8/2001	TutUpRd	0	0	0	0	20.8					20 *U*
TECK03	TutUpRd	5/22/2003	03-1960	0	0	0	0						
TECK03	TutUpRd	5/22/2003	03-1961	0	0	0	0	4.91					386
TECK03	TutUpRd	6/11/2003	03-2486	0	0	0	0						
TECK03	TutUpRd	6/11/2003	03-2487	0	0	0	0	2.80					694
TECK03	TutUpRd	6/28/2003	03-2904	0	0	0	0						
TECK03	TutUpRd	6/28/2003	03-2905	0	0	0	0	12.1					31.2
TECK03	TutUpRd	7/13/2003	03-3288	0	0	0	0						
TECK03	TutUpRd	7/13/2003	03-3289	0	0	0	0	12.1					51.0
TECK03	TutUpRd	8/10/2003	03-3885	0	0	0	0	15.3					101
TECK03	TutUpRd	10/6/2003	03-4742	0	0	0	0	11.8				0.0500 *J*	129

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead (µg/L unfiltered)	Magnesium (mg/L unfiltered)	Manganese (mg/L unfiltered)	Mercury (mg/L unfiltered)	Molybdenum (mg/L unfiltered)	Nickel (mg/L unfiltered)
TECK03	ARC-D	10/10/2003	03-4781	0	0	0	0	0.650 *J*	4.31	0.00296	0.0000179 *UJ*	0.000220 *U*	0.000480 *J*
TECK03	ARC-U	10/10/2003	03-4782	0	0	0	0	0.0885 *U*	4.19	0.000475 *U*	0.0000179 *UJ*	0.000240 *U*	0.000260 *J*
USGS02	AufCreek	7/29/2002	AufCreek_SW	0	0	0	0	0.05 *U*	5.4	0.0016			
TECK01	AufDowRd	7/11/2001	AufDowRd	0	0	0	0	0.2 *U*	3.5				
TECK01	AufDowRd	8/6/2001	AufDowRd	0	0	0	0	0.2 *U*	4.01				
TECK01	AufDowRd	9/4/2001	AufDowRd	0	0	0	0	0.02 *U*	5.34				
TECK01	AufDowRd	10/9/2001	AufDowRd	0	0	0	0	0.2 *U*	5.97				
TECK03	AufDowRd	5/23/2003	03-1990	0	0	0	0	0.538	1.46				
TECK03	AufDowRd	6/11/2003	03-1990	0	0	0	0	0.248	1.39				
TECK03	AufDowRd	6/27/2003	03-1990	0	0	0	0	0.619	3.86				
TECK03	AufDowRd	6/27/2003	03-2880	0	0	0	0						
TECK03	AufDowRd	6/27/2003	03-2881	0	0	0	0						
TECK03	AufDowRd	7/12/2003	03-3268	0	0	0	0						
TECK03	AufDowRd	7/12/2003	03-3269	0	0	0	0	0.100 *U*	3.82				
TECK03	AufDowRd	8/11/2003	03-3843	0	0	0	0	0.0885 *U*	5.58				
TECK03	AufMth	5/23/2003	03-1986	0	0	0	0						
TECK03	AufMth	5/23/2003	03-1987	0	0	0	0	0.478	2.25				
TECK03	AufMth	6/11/2003	03-2446	0	0	0	0						
TECK03	AufMth	6/11/2003	03-2447	0	0	0	0	0.100 *U*	1.71				
TECK03	AufMth	6/27/2003	03-2863	0	0	0	0						
TECK03	AufMth	6/27/2003	03-2864	0	0	0	0	0.304	3.73				
TECK03	AufMth	7/12/2003	03-3252	0	0	0	0						
TECK03	AufMth	7/12/2003	03-3253	0	0	0	0	0.100 *U*	2.97				
TECK03	AufMth	8/10/2003	03-3845	0	0	0	0	0.0885 *U*	4.59				
TECK03	AufMth	10/6/2003	03-4763	0	0	0	0	0.0885 *U*	3.75				
TECK01	AufMthL1	7/11/2001	AufMthL1	0	0	0	0	0.2 *U*	3.35				
TECK01	AufMthL2	7/11/2001	AufMthL2	0	0	0	0	0.2 *U*	3.62				
TECK01	AufMthL2	8/6/2001	AufMthL2	0	0	0	0	0.2 *U*	3.27				
TECK01	AufMthL2	9/4/2001	AufMthL2	0	0	0	0	0.05	3.56				
TECK01	AufMthL2	10/9/2001	AufMthL2	0	0	0	0	0.2 *U*	5.89				
TECK01	AufNFUp	7/11/2001	AufNFUp	0	0	0	0	0.2 *U*	2.32				
TECK01	AufNFUp	8/6/2001	AufNFUp	0	0	0	0	0.2 *U*	2.9				
TECK01	AufNFUp	9/4/2001	AufNFUp	0	0	0	0	0.020 *U*	3.69				
TECK01	AufNFUp	10/9/2001	AufNFUp	0	0	0	0	0.2 *U*	4.63				
TECK03	AufNFUp	5/23/2003	03-1992	0	0	0	0						
TECK03	AufNFUp	5/23/2003	03-1993	0	0	0	0	0.200 *U*	2.41				
TECK03	AufNFUp	6/11/2003	03-2448	0	0	0	0						
TECK03	AufNFUp	6/11/2003	03-2449	0	0	0	0	0.273	1.19				
TECK03	AufNFUp	6/27/2003	03-2886	0	0	0	0						
TECK03	AufNFUp	6/27/2003	03-2887	0	0	0	0	0.248	2.75				
TECK03	AufNFUp	7/12/2003	03-3274	0	0	0	0						
TECK03	AufNFUp	7/12/2003	03-3275	0	0	0	0	0.100 *U*	2.87				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead (µg/L unfiltered)	Magnesium (mg/L unfiltered)	Manganese (mg/L unfiltered)	Mercury (mg/L unfiltered)	Molybdenum (mg/L unfiltered)	Nickel (mg/L unfiltered)
TECK03	AufNFUp	8/10/2003	03-3847	0	0	0	0	0.0885 *U*	4.41				
TECK03	AufNFUp	10/6/2003	03-4752	0	0	0	0	0.0885 *U*	3.68	0.00179 *J*	0.0000179 *UJ*	0.000178 *U*	0.001000 *J*
TECK01	AufRoad	7/11/2001	AufRoad	0	0	0	0	0.2 *U*	3.19				
TECK01	AufRoad	8/6/2001	AufRoad	0	0	0	0	0.2 *U*	3.87				
TECK01	AufRoad	9/4/2001	AufRoad	0	0	0	0	0.13	5.06				
TECK01	AufRoad	10/9/2001	AufRoad	0	0	0	0	0.2 *U*	6.05				
TECK03	AufRoad	5/23/2003	03-1990	0	0	0	0	0.400 *U*	3.91				
TECK03	AufRoad	6/11/2003	03-1990	0	0	0	0	0.429	1.34				
TECK03	AufRoad	6/27/2003	03-1990	0	0	0	0	0.281	3.58				
TECK03	AufRoad	7/12/2003	03-1990	0	0	0	0	0.100 *U*	3.99				
TECK03	AufRoad	8/11/2003	03-1990	0	0	0	0	0.390	5.37				
TECK03	AufRoad	9/22/2003	03-4618	0	0	0	0	0.56	5.61				
TECK03	AufRoad	10/6/2003	03-4750	0	0	0	0	0.0885 *U*	4.84	0.000560 *J*	0.0000179 *UJ*	0.000178 *U*	0.00199 *J*
TECK03	AufRoad	10/6/2003	03-4761	0	0	0	0	0.401 *U*	4.73	0.000880 *J*	0.0000179 *UJ*	0.000600 *J*	0.000760 *J*
TECK01	AufSFUp	7/11/2001	AufSFUp	0	0	0	0	0.2 *U*	3.73				
TECK01	AufSFUp	8/6/2001	AufSFUp	0	0	0	0	0.2 *U*	4.79				
TECK01	AufSFUp	9/4/2001	AufSFUp	0	0	0	0	0.02 *U*	6.3				
TECK01	AufSFUp	10/9/2001	AufSFUp	0	0	0	0	0.2 *U*	7.75				
TECK03	AufSFUp	6/11/2003	03-2450	0	0	0	0						
TECK03	AufSFUp	6/11/2003	03-2451	0	0	0	0	0.685	1.49				
TECK03	AufSFUp	6/27/2003	03-2883	0	0	0	0						
TECK03	AufSFUp	6/27/2003	03-2884	0	0	0	0	0.259	4.69				
TECK03	AufSFUp	7/12/2003	03-3272	0	0	0	0						
TECK03	AufSFUp	7/12/2003	03-3273	0	0	0	0	0.100 *U*	4.88				
TECK03	AufSFUp	8/10/2003	03-3849	0	0	0	0	0.0885 *U*	6.51				
TECK03	AufSFUp	10/6/2003	03-4751	0	0	0	0	0.220	5.87	0.00118 *J*	0.0000179 *UJ*	0.000178 *U*	0.00216
USGS02	MudLkCr	7/30/2002	MudLkCr_SW	0	0	0	0	0.05 *U*	3.7	0.036			
USGS02	NewHeart	7/29/2002	NewHeart_SW	0	0	0	0	0.1	9.5	0.002			
TECK01	NHDowRd	7/12/2001	NHDowRd	0	0	0	0	0.2 *U*	4.69				
TECK01	NHDowRd	8/6/2001	NHDowRd	0	0	0	0	0.2 *U*	4.52				
TECK01	NHDowRd	9/4/2001	NHDowRd	0	0	0	0	0.02 *U*	6.15				
TECK01	NHDowRd	10/8/2001	NHDowRd	0	0	0	0	2.37	6				
TECK03	NHDowRd	6/11/2003	03-2454	0	0	0	0						
TECK03	NHDowRd	6/11/2003	03-2455	0	0	0	0	0.100 *U*	2.40				
TECK03	NHDowRd	6/27/2003	03-2873	0	0	0	0						
TECK03	NHDowRd	6/27/2003	03-2874	0	0	0	0	0.169	6.26				
TECK03	NHDowRd	7/12/2003	03-3257	0	0	0	0						
TECK03	NHDowRd	7/12/2003	03-3258	0	0	0	0	0.100 *U*	4.12				
TECK03	NHDowRd	8/10/2003	03-3853	0	0	0	0	0.0885 *U*	5.46				
TECK03	NHDowRd	10/6/2003	03-4746	0	0	0	0	0.0885 *U*	3.99	0.00797	0.0000179 *UJ*	0.00227 *J*	0.00497
TECK03	NHMth	5/23/2003	03-1978	0	0	0	0						
TECK03	NHMth	5/23/2003	03-1979	0	0	0	0	0.441	1.18				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead (µg/L unfiltered)	Magnesium (mg/L unfiltered)	Manganese (mg/L unfiltered)	Mercury (mg/L unfiltered)	Molybdenum (mg/L unfiltered)	Nickel (mg/L unfiltered)
TECK03	NHMth	6/11/2003	03-2456	0	0	0	0						
TECK03	NHMth	6/11/2003	03-2457	0	0	0	0	0.100 *U*	1.93				
TECK03	NHMth	6/27/2003	03-2869	0	0	0	0						
TECK03	NHMth	6/27/2003	03-2870	0	0	0	0	0.270	4.83				
TECK03	NHMth	7/12/2003	03-3254	0	0	0	0						
TECK03	NHMth	7/12/2003	03-3255	0	0	0	0	0.100 *U*	3.23				
TECK03	NHMth	8/10/2003	03-3855	0	0	0	0	0.0885 *U*	3.93				
TECK03	NHMth	10/6/2003	03-4745	0	0	0	0	1.22	3.03				
TECK01	NHMthL1	7/12/2001	NHMthL1	0	0	0	0	0.2 *U*	4.11				
TECK01	NHMthL1	8/6/2001	NHMthL1	0	0	0	0	0.2 *U*	3.28				
TECK01	NHMthL1	9/4/2001	NHMthL1	0	0	0	0	0.02 *U*	3.89				
TECK01	NHMthL1	10/8/2001	NHMthL1	0	0	0	0	0.2 *U*	4.85				
TECK01	NHMthL2	7/12/2001	NHMthL2	0	0	0	0	0.2 *U*	6.67				
TECK01	NHNFUp	7/12/2001	NHNFUp	0	0	0	0	0.454	2.67				
TECK01	NHNFUp	8/6/2001	NHNFUp	0	0	0	0	0.2 *U*	3.89				
TECK01	NHNFUp	9/4/2001	NHNFUp	0	0	0	0	0.05	5.16				
TECK01	NHNFUp	10/8/2001	NHNFUp	0	0	0	0	0.2 *U*	5.18				
TECK03	NHNFUp	6/11/2003	03-2458	0	0	0	0						
TECK03	NHNFUp	6/11/2003	03-2459	0	0	0	0	0.272	1.40				
TECK03	NHNFUp	6/27/2003	03-2877	0	0	0	0						
TECK03	NHNFUp	6/27/2003	03-2878	0	0	0	0	0.371	4.04				
TECK03	NHNFUp	7/12/2003	03-3266	0	0	0	0						
TECK03	NHNFUp	7/12/2003	03-3267	0	0	0	0	0.100 *U*	3.48				
TECK03	NHNFUp	8/10/2003	03-3857	0	0	0	0	0.0885 *U*	4.50				
TECK03	NHNFUp	10/6/2003	03-4748	0	0	0	0	0.220	3.91	0.00394	0.0000179 *UJ*	0.000940 *J*	0.00282
TECK01	NHRoad	7/12/2001	NHRoad	0	0	0	0	0.2 *U*	4.08				
TECK01	NHRoad	8/6/2001	NHRoad	0	0	0	0	0.2 *U*	5.18				
TECK01	NHRoad	9/4/2001	NHRoad	0	0	0	0	0.43	7.75				
TECK01	NHRoad	10/8/2001	NHRoad	0	0	0	0	0.488	7.68				
TECK03	NHRoad	5/23/2003	03-1982	0	0	0	0						
TECK03	NHRoad	5/23/2003	03-1983	0	0	0	0	0.780	1.04				
TECK03	NHRoad	6/11/2003	03-2452	0	0	0	0						
TECK03	NHRoad	6/11/2003	03-2453	0	0	0	0	1.40	2.11				
TECK03	NHRoad	6/27/2003	03-2875	0	0	0	0	0.394	6.48				
TECK03	NHRoad	7/12/2003	03-3260	0	0	0	0						
TECK03	NHRoad	7/12/2003	03-3261	0	0	0	0	0.391	4.53				
TECK03	NHRoad	8/10/2003	03-3851	0	0	0	0	0.200	6.72				
TECK03	NHRoad	9/22/2003	03-4617	0	0	0	0	0.0885 *U*	7.83				
TECK03	NHRoad	10/6/2003	03-4749	0	0	0	0	0.720	5.52	0.00646	0.0000179 *UJ*	0.000730 *J*	0.00671
TECK01	NHSFUp	7/12/2001	NHSFUp	0	0	0	0	0.2 *U*	2.33				
TECK01	NHSFUp	8/6/2001	NHSFUp	0	0	0	0	0.2 *U*	2.48				
TECK01	NHSFUp	9/4/2001	NHSFUp	0	0	0	0	0.02 *U*	2.9				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead (μg/L unfiltered)	Magnesium (mg/L unfiltered)	Manganese (mg/L unfiltered)	Mercury (mg/L unfiltered)	Molybdenum (mg/L unfiltered)	Nickel (mg/L unfiltered)
TECK03	NHSFUp	5/23/2003	03-1984	0	0	0	0						
TECK03	NHSFUp	5/23/2003	03-1985	0	0	0	0	0.200 *U*	1.09				
TECK03	NHSFUp	6/11/2003	03-2460	0	0	0	0						
TECK03	NHSFUp	6/11/2003	03-2461	0	0	0	0	0.231	1.72				
TECK03	NHSFUp	6/27/2003	03-2876	0	0	0	0						
TECK03	NHSFUp	6/27/2003	03-2879	0	0	0	0	0.146	2.68				
TECK03	NHSFUp	7/12/2003	03-3264	0	0	0	0						
TECK03	NHSFUp	7/12/2003	03-3265	0	0	0	0	0.100 *U*	1.95				
TECK03	NHSFUp	8/10/2003	03-3859	0	0	0	0	0.0885 *U*	2.78				
TECK03	NHSFUp	10/6/2003	03-4747	0	0	0	0	0.0885 *U*	2.46	0.00314	0.0000179 *UJ*	0.000880 *J*	0.00230
TECK01	OmiDowRd	7/11/2001	OmiDowRd	0	0	0	0	0.2 *U*	5.16				
TECK01	OmiDowRd	8/5/2001	OmiDowRd	0	0	0	0	0.2 *U*	4.39				
TECK01	OmiDowRd	9/15/2001	OmiDowRd	0	0	0	0	0.59	5.1				
TECK01	OmiDowRd	10/9/2001	OmiDowRd	0	0	0	0	0.2 *U*	6.67				
TECK03	OmiDowRd	5/22/2003	03-1972	0	0	0	0						
TECK03	OmiDowRd	5/22/2003	03-1973	0	0	0	0	0.400	2.01				
TECK03	OmiDowRd	6/11/2003	03-2464	0	0	0	0						
TECK03	OmiDowRd	6/11/2003	03-2465	0	0	0	0	1.14	1.52				
TECK03	OmiDowRd	6/28/2003	03-2871	0	0	0	0						
TECK03	OmiDowRd	6/28/2003	03-2872	0	0	0	0	0.270	6.07				
TECK03	OmiDowRd	7/13/2003	03-3276	0	0	0	0						
TECK03	OmiDowRd	7/13/2003	03-3277	0	0	0	0	0.458	4.49				
TECK03	OmiDowRd	8/10/2003	03-3863	0	0	0	0	0.0885 *U*	4.32				
TECK03	OmiDowRd	10/6/2003	03-4755	0	0	0	0	0.0885 *U*	4.53	0.00811	0.0000179 *UJ*	0.000370 *J*	0.00221
USGS02	OmikR	7/28/2002	OmikR_SW	0	0	0	0	0.018	6	0.002			
TECK01	OmiMth	7/11/2001	OmiMth	0	0	0	0	0.2 *U*	3.69				
TECK01	OmiMth	8/5/2001	OmiMth	0	0	0	0	0.2 *U*	3.48				
TECK01	OmiMth	9/15/2001	OmiMth	0	0	0	0	0.05	4.15				
TECK01	OmiMth	10/9/2001	OmiMth	0	0	0	0	0.2 *U*	3.71				
TECK03	OmiMth	5/22/2003	03-1976	0	0	0	0						
TECK03	OmiMth	5/22/2003	03-1977	0	0	0	0	0.200 *U*	2.60				
TECK03	OmiMth	6/11/2003	03-2466	0	0	0	0						
TECK03	OmiMth	6/11/2003	03-2467	0	0	0	0	0.657	1.72				
TECK03	OmiMth	6/27/2003	03-2867	0	0	0	0						
TECK03	OmiMth	6/27/2003	03-2868	0	0	0	0	0.484	4.05				
TECK03	OmiMth	7/12/2003	03-3250	0	0	0	0						
TECK03	OmiMth	7/12/2003	03-3251	0	0	0	0	0.585	3.26				
TECK03	OmiMth	8/10/2003	03-3865	0	0	0	0	0.0885 *U*	4.01				
TECK03	OmiMth	10/6/2003	03-4760	0	0	0	0	0.390 *U*	4.16				
TECK01	OmiNFUp	7/11/2001	OmiNFUp	0	0	0	0	0.2 *U*	5.43				
TECK01	OmiNFUp	8/5/2001	OmiNFUp	0	0	0	0	0.2 *U*	4.99				
TECK01	OmiNFUp	9/15/2001	OmiNFUp	0	0	0	0	0.02 *U*	5.56				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead (µg/L unfiltered)	Magnesium (mg/L unfiltered)	Manganese (mg/L unfiltered)	Mercury (mg/L unfiltered)	Molybdenum (mg/L unfiltered)	Nickel (mg/L unfiltered)
TECK01	OmiNFUp	10/9/2001	OmiNFUp	0	0	0	0	0.2 *U*	6.43				
TECK03	OmiNFUp	5/22/2003	03-1966	0	0	0	0						
TECK03	OmiNFUp	5/22/2003	03-1967	0	0	0	0	0.411	2.41				
TECK03	OmiNFUp	6/11/2003	03-2469	0	0	0	0						
TECK03	OmiNFUp	6/11/2003	03-2470	0	0	0	0	0.560	1.50				
TECK03	OmiNFUp	6/28/2003	03-2892	0	0	0	0						
TECK03	OmiNFUp	6/28/2003	03-2893	0	0	0	0	0.236	6.04				
TECK03	OmiNFUp	7/13/2003	03-3282	0	0	0	0						
TECK03	OmiNFUp	7/13/2003	03-3283	0	0	0	0	0.100 *U*	4.77				
TECK03	OmiNFUp	8/10/2003	03-3867	0	0	0	0	0.0885 *U*	6.03				
TECK03	OmiNFUp	10/6/2003	03-4759	0	0	0	0	0.0885 *U*	4.80	0.00564	0.0000179 *UJ*	0.00218 *J*	0.000930 *J*
TECK01	OmiRoad	7/11/2001	OmiRoad	0	0	0	0	0.2 *U*	5.32				
TECK01	OmiRoad	8/5/2001	OmiRoad	0	0	0	0	0.2 *U*	4.78				
TECK01	OmiRoad	9/15/2001	OmiRoad	0	0	0	0	0.13	5.52				
TECK01	OmiRoad	10/9/2001	OmiRoad	0	0	0	0	0.2 *U*	6.75				
TECK03	OmiRoad	5/22/2003	03-1970	0	0	0	0						
TECK03	OmiRoad	5/22/2003	03-1971	0	0	0	0	0.500	1.90				
TECK03	OmiRoad	6/11/2003	03-2462	0	0	0	0						
TECK03	OmiRoad	6/11/2003	03-2463	0	0	0	0	2.55	1.50				
TECK03	OmiRoad	6/28/2003	03-2888	0	0	0	0						
TECK03	OmiRoad	6/28/2003	03-2889	0	0	0	0	0.124	6.11				
TECK03	OmiRoad	7/13/2003	03-3278	0	0	0	0						
TECK03	OmiRoad	7/13/2003	03-3279	0	0	0	0	0.100 *U*	4.67				
TECK03	OmiRoad	8/10/2003	03-3861	0	0	0	0	0.0885 *U*	5.66				
TECK03	OmiRoad	9/22/2003	03-4620	0	0	0	0	0.0885 *U*	6.62				
TECK03	OmiRoad	10/6/2003	03-4757	0	0	0	0	0.0885 *U*	4.77	0.00652	0.0000179 *UJ*	0.000690 *J*	0.00122 *J*
TECK01	OmiSFUp	7/11/2001	OmiSFUp	0	0	0	0	0.2 *U*	5.23				
TECK01	OmiSFUp	8/5/2001	OmiSFUp	0	0	0	0	0.2 *U*	5.31				
TECK01	OmiSFUp	9/15/2001	OmiSFUp	0	0	0	0	0.02 *U*	5.86				
TECK01	OmiSFUp	10/9/2001	OmiSFUp	0	0	0	0	0.2 *U*	8.12				
TECK03	OmiSFUp	5/22/2003	03-1968	0	0	0	0						
TECK03	OmiSFUp	5/22/2003	03-1969	0	0	0	0	0.200 *U*	1.53				
TECK03	OmiSFUp	6/11/2003	03-2471	0	0	0	0						
TECK03	OmiSFUp	6/11/2003	03-2472	0	0	0	0	0.328	1.47				
TECK03	OmiSFUp	6/28/2003	03-2890	0	0	0	0						
TECK03	OmiSFUp	6/28/2003	03-2891	0	0	0	0	0.101	6.29				
TECK03	OmiSFUp	7/13/2003	03-3280	0	0	0	0						
TECK03	OmiSFUp	7/13/2003	03-3281	0	0	0	0	0.100 *U*	5.18				
TECK03	OmiSFUp	8/10/2003	03-3869	0	0	0	0	0.0885 *U*	6.32				
TECK03	OmiSFUp	10/6/2003	03-4758	0	0	0	0	0.0885 *U*	5.06	0.0114	0.0000179 *UJ*	0.000690 *J*	0.00122 *J*
TECK01	StrDowRd	7/11/2001	StrDowRd	0	0	0	0	0.2 *U*	3.3				
TECK01	StrDowRd	8/6/2001	StrDowRd	0	0	0	0	0.2 *U*	4.2				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead (µg/L unfiltered)	Magnesium (mg/L unfiltered)	Manganese (mg/L unfiltered)	Mercury (mg/L unfiltered)	Molybdenum (mg/L unfiltered)	Nickel (mg/L unfiltered)
TECK01	StrDowRd	9/15/2001	StrDowRd	0	0	0	0	0.15	4.82				
TECK01	StrDowRd	10/9/2001	StrDowRd	0	0	0	0	0.2 *U*	7.8				
TECK03	StrDowRd	5/23/2003	03-1994	0	0	0	0						
TECK03	StrDowRd	5/23/2003	03-1997	0	0	0	0	0.526	1.37				
TECK03	StrDowRd	6/11/2003	03-2475	0	0	0	0						
TECK03	StrDowRd	6/11/2003	03-2476	0	0	0	0	7.34	2.75				
TECK03	StrDowRd	6/27/2003	03-2896	0	0	0	0						
TECK03	StrDowRd	6/27/2003	03-2897	0	0	0	0	0.191	3.68				
TECK03	StrDowRd	7/13/2003	03-3290	0	0	0	0						
TECK03	StrDowRd	7/13/2003	03-3291	0	0	0	0	0.100 *U*	3.99				
TECK03	StrDowRd	8/10/2003	03-3873	0	0	0	0	0.0885 *U*	5.03				
TECK03	StrDowRd	10/6/2003	03-4753	0	0	0	0	0.0885 *U*	4.29				
TECK01	StrMth	9/15/2001	StrMth	0	0	0	0	0.02 *U*	3.76				
TECK03	StrMth	8/10/2003	03-3875	0	0	0	0	0.0885 *U*	4.89				
TECK01	StrRoad	8/6/2001	StrRoad	0	0	0	0	0.2 *U*	5.3				
TECK01	StrRoad	9/15/2001	StrRoad	0	0	0	0	0.17	5.73				
TECK01	StrRoad	10/9/2001	StrRoad	0	0	0	0	0.2 *U*	9.58				
TECK03	StrRoad	5/23/2003	03-1995	0	0	0	0						
TECK03	StrRoad	5/23/2003	03-1996	0	0	0	0	0.843	1.39				
TECK03	StrRoad	6/11/2003	03-2473	0	0	0	0						
TECK03	StrRoad	6/11/2003	03-2474	0	0	0	0	7.17	2.81				
TECK03	StrRoad	6/27/2003	03-2894	0	0	0	0						
TECK03	StrRoad	6/27/2003	03-2895	0	0	0	0	0.180	6.33				
TECK03	StrRoad	7/13/2003	03-3294	0	0	0	0						
TECK03	StrRoad	7/13/2003	03-3295	0	0	0	0	0.100 *U*	4.93				
TECK03	StrRoad	8/10/2003	03-3871	0	0	0	0	0.0885 *U*	5.84				
TECK03	StrRoad	9/22/2003	03-4619	0	0	0	0	0.49	7.46				
TECK03	StrRoad	10/6/2003	03-4756	0	0	0	0	0.0885 *U*	4.79				
TECK01	StrUpRd	7/11/2001	StrUpRd	0	0	0	0	0.2 *U*	6.29				
TECK01	StrUpRd	8/6/2001	StrUpRd	0	0	0	0	0.2 *U*	5.3				
TECK01	StrUpRd	9/15/2001	StrUpRd	0	0	0	0	0.47	5.66				
TECK01	StrUpRd	10/9/2001	StrUpRd	0	0	0	0	0.2 *U*	8.81				
TECK03	StrUpRd	5/23/2003	03-1999	0	0	0	0						
TECK03	StrUpRd	5/23/2003	03-2000	0	0	0	0	0.519	1.34				
TECK03	StrUpRd	6/11/2003	03-2478	0	0	0	0						
TECK03	StrUpRd	6/11/2003	03-2479	0	0	0	0	3.70	2.45				
TECK03	StrUpRd	6/27/2003	03-2898	0	0	0	0						
TECK03	StrUpRd	6/27/2003	03-2899	0	0	0	0	0.326	6.22				
TECK03	StrUpRd	7/13/2003	03-3296	0	0	0	0						
TECK03	StrUpRd	7/13/2003	03-3297	0	0	0	0	0.100 *U*	5.07				
TECK03	StrUpRd	8/10/2003	03-3877	0	0	0	0	0.0885 *U*	5.68				
TECK03	StrUpRd	10/6/2003	03-4754	0	0	0	0	0.0885 *U*	4.83				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead (µg/L unfiltered)	Magnesium (mg/L unfiltered)	Manganese (mg/L unfiltered)	Mercury (mg/L unfiltered)	Molybdenum (mg/L unfiltered)	Nickel (mg/L unfiltered)
TECK01	TutDowRd	7/11/2001	TutDowRd	0	0	0	0	0.2 *U*	4.21				
TECK01	TutDowRd	8/6/2001	TutDowRd	0	0	0	0	0.2 *U*	4.23				
TECK01	TutDowRd	9/15/2001	TutDowRd	0	0	0	0	0.25	4.64				
TECK01	TutDowRd	10/8/2001	TutDowRd	0	0	0	0	0.2 *U*	5.56				
TECK03	TutDowRd	5/22/2003	03-1964	0	0	0	0						
TECK03	TutDowRd	5/22/2003	03-1965	0	0	0	0	1.32	2.02				
TECK03	TutDowRd	6/11/2003	03-2482	0	0	0	0						
TECK03	TutDowRd	6/11/2003	03-2483	0	0	0	0	0.242	1.14				
TECK03	TutDowRd	6/28/2003	03-2900	0	0	0	0						
TECK03	TutDowRd	6/28/2003	03-2901	0	0	0	0	0.0490 *U*	4.38				
TECK03	TutDowRd	7/13/2003	03-3284	0	0	0	0						
TECK03	TutDowRd	7/13/2003	03-3285	0	0	0	0	0.100 *U*	3.94				
TECK03	TutDowRd	8/10/2003	03-3881	0	0	0	0	0.0885 *U*	5.23				
TECK03	TutDowRd	10/6/2003	03-4741	0	0	0	0	0.0885 *U*	3.83				
TECK01	TutMth	7/11/2001	TutMth	0	0	0	0	0.2 *U*	5.5				
TECK01	TutMth	8/6/2001	TutMth	0	0	0	0	0.2 *U*	3.82				
TECK01	TutMth	9/15/2001	TutMth	0	0	0	0	0.22	4.31				
TECK01	TutMth	10/8/2001	TutMth	0	0	0	0	0.2 *U*	5.4				
TECK03	TutMth	5/22/2003	03-1974	0	0	0	0						
TECK03	TutMth	5/22/2003	03-1975	0	0	0	0	0.487	2.03				
TECK03	TutMth	6/11/2003	03-2484	0	0	0	0						
TECK03	TutMth	6/11/2003	03-2485	0	0	0	0	0.363	1.56				
TECK03	TutMth	6/27/2003	03-2865	0	0	0	0						
TECK03	TutMth	6/27/2003	03-2866	0	0	0	0	0.360	5.68				
TECK03	TutMth	7/12/2003	03-3248	0	0	0	0						
TECK03	TutMth	7/12/2003	03-3249	0	0	0	0	1.12	4.21				
TECK03	TutMth	8/10/2003	03-3883	0	0	0	0	0.0885 *U*	5.01				
TECK03	TutMth	10/6/2003	03-4740	0	0	0	0	0.0885 *U*	3.46				
TECK01	TutRoad	7/11/2001	TutRoad	0	0	0	0	0.2 *U*	4.11				
TECK01	TutRoad	8/6/2001	TutRoad	0	0	0	0	0.2 *U*	4.17				
TECK01	TutRoad	9/15/2001	TutRoad	0	0	0	0	0.15	4.45				
TECK01	TutRoad	10/8/2001	TutRoad	0	0	0	0	0.2 *U*	5.87				
TECK03	TutRoad	5/22/2003	03-1962	0	0	0	0						
TECK03	TutRoad	5/22/2003	03-1963	0	0	0	0	0.505	1.80				
TECK03	TutRoad	6/11/2003	03-2480	0	0	0	0						
TECK03	TutRoad	6/11/2003	03-2481	0	0	0	0	0.100 *U*	1.07				
TECK03	TutRoad	6/28/2003	03-2902	0	0	0	0						
TECK03	TutRoad	6/28/2003	03-2903	0	0	0	0	0.191	4.30				
TECK03	TutRoad	7/13/2003	03-3286	0	0	0	0						
TECK03	TutRoad	7/13/2003	03-3287	0	0	0	0	0.100 *U*	4.03				
TECK03	TutRoad	8/10/2003	03-3879	0	0	0	0	0.0885 *U*	4.92				
TECK03	TutRoad	9/22/2003	03-4621	0	0	0	0	0.0885 *U*	6.13				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead (µg/L unfiltered)	Magnesium (mg/L unfiltered)	Manganese (mg/L unfiltered)	Mercury (mg/L unfiltered)	Molybdenum (mg/L unfiltered)	Nickel (mg/L unfiltered)
TECK03	TutRoad	10/8/2003	03-4770	0	0	0	0	0.379 *U*	4.38				
TECK01	TutUpRd	7/11/2001	TutUpRd	0	0	0	0	0.2 *U*	3.96				
TECK01	TutUpRd	8/6/2001	TutUpRd	0	0	0	0	0.2 *U*	4.26				
TECK01	TutUpRd	9/15/2001	TutUpRd	0	0	0	0	0.02 *U*	4.99				
TECK01	TutUpRd	10/8/2001	TutUpRd	0	0	0	0	0.2 *U*	6.19				
TECK03	TutUpRd	5/22/2003	03-1960	0	0	0	0						
TECK03	TutUpRd	5/22/2003	03-1961	0	0	0	0	0.414	1.79				
TECK03	TutUpRd	6/11/2003	03-2486	0	0	0	0						
TECK03	TutUpRd	6/11/2003	03-2487	0	0	0	0	0.253	1.08				
TECK03	TutUpRd	6/28/2003	03-2904	0	0	0	0						
TECK03	TutUpRd	6/28/2003	03-2905	0	0	0	0	0.304	4.05				
TECK03	TutUpRd	7/13/2003	03-3288	0	0	0	0						
TECK03	TutUpRd	7/13/2003	03-3289	0	0	0	0	0.100 *U*	4.18				
TECK03	TutUpRd	8/10/2003	03-3885	0	0	0	0	0.0885 *U*	5.45				
TECK03	TutUpRd	10/6/2003	03-4742	0	0	0	0	0.0885 *U*	3.96				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Potassium (mg/L unfiltered)	Selenium (mg/L unfiltered)	Silver (mg/L unfiltered)	Sodium (mg/L unfiltered)	Strontium (mg/L unfiltered)	Thallium (mg/L unfiltered)
TECK03	ARC-D	10/10/2003	03-4781	0	0	0	0	0.250 *U*	0.000355	0.0000230 *U*	1.38	0.0194	0.0000900 *U*
TECK03	ARC-U	10/10/2003	03-4782	0	0	0	0	0.250 *U*	0.000340	0.0000230 *U*	1.36	0.0195	0.0000250 *U*
USGS02	AufCreek	7/29/2002	AufCreek_SW	0	0	0	0	0.23			1.2		
TECK01	AufDowRd	7/11/2001	AufDowRd	0	0	0	0						
TECK01	AufDowRd	8/6/2001	AufDowRd	0	0	0	0						
TECK01	AufDowRd	9/4/2001	AufDowRd	0	0	0	0						
TECK01	AufDowRd	10/9/2001	AufDowRd	0	0	0	0						
TECK03	AufDowRd	5/23/2003	03-1990	0	0	0	0						
TECK03	AufDowRd	6/11/2003	03-1990	0	0	0	0						
TECK03	AufDowRd	6/27/2003	03-1990	0	0	0	0						
TECK03	AufDowRd	6/27/2003	03-2880	0	0	0	0						
TECK03	AufDowRd	6/27/2003	03-2881	0	0	0	0						
TECK03	AufDowRd	7/12/2003	03-3268	0	0	0	0						
TECK03	AufDowRd	7/12/2003	03-3269	0	0	0	0						
TECK03	AufDowRd	8/11/2003	03-3843	0	0	0	0						
TECK03	AufMth	5/23/2003	03-1986	0	0	0	0						
TECK03	AufMth	5/23/2003	03-1987	0	0	0	0						
TECK03	AufMth	6/11/2003	03-2446	0	0	0	0						
TECK03	AufMth	6/11/2003	03-2447	0	0	0	0						
TECK03	AufMth	6/27/2003	03-2863	0	0	0	0						
TECK03	AufMth	6/27/2003	03-2864	0	0	0	0						
TECK03	AufMth	7/12/2003	03-3252	0	0	0	0						
TECK03	AufMth	7/12/2003	03-3253	0	0	0	0						
TECK03	AufMth	8/10/2003	03-3845	0	0	0	0						
TECK03	AufMth	10/6/2003	03-4763	0	0	0	0		0.0000201 *U*				0.0000155 *U*
TECK01	AufMthL1	7/11/2001	AufMthL1	0	0	0	0						
TECK01	AufMthL2	7/11/2001	AufMthL2	0	0	0	0						
TECK01	AufMthL2	8/6/2001	AufMthL2	0	0	0	0						
TECK01	AufMthL2	9/4/2001	AufMthL2	0	0	0	0						
TECK01	AufMthL2	10/9/2001	AufMthL2	0	0	0	0						
TECK01	AufNFUp	7/11/2001	AufNFUp	0	0	0	0						
TECK01	AufNFUp	8/6/2001	AufNFUp	0	0	0	0						
TECK01	AufNFUp	9/4/2001	AufNFUp	0	0	0	0						
TECK01	AufNFUp	10/9/2001	AufNFUp	0	0	0	0						
TECK03	AufNFUp	5/23/2003	03-1992	0	0	0	0						
TECK03	AufNFUp	5/23/2003	03-1993	0	0	0	0						
TECK03	AufNFUp	6/11/2003	03-2448	0	0	0	0						
TECK03	AufNFUp	6/11/2003	03-2449	0	0	0	0						
TECK03	AufNFUp	6/27/2003	03-2886	0	0	0	0						
TECK03	AufNFUp	6/27/2003	03-2887	0	0	0	0						
TECK03	AufNFUp	7/12/2003	03-3274	0	0	0	0						
TECK03	AufNFUp	7/12/2003	03-3275	0	0	0	0						

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Potassium (mg/L unfiltered)	Selenium (mg/L unfiltered)	Silver (mg/L unfiltered)	Sodium (mg/L unfiltered)	Strontium (mg/L unfiltered)	Thallium (mg/L unfiltered)
TECK03	AufNFUp	8/10/2003	03-3847	0	0	0	0						
TECK03	AufNFUp	10/6/2003	03-4752	0	0	0	0		0.0000201 *U*	0.0000230 *U*		0.0276	0.0000155 *U*
TECK01	AufRoad	7/11/2001	AufRoad	0	0	0	0						
TECK01	AufRoad	8/6/2001	AufRoad	0	0	0	0						
TECK01	AufRoad	9/4/2001	AufRoad	0	0	0	0						
TECK01	AufRoad	10/9/2001	AufRoad	0	0	0	0						
TECK03	AufRoad	5/23/2003	03-1990	0	0	0	0						
TECK03	AufRoad	6/11/2003	03-1990	0	0	0	0						
TECK03	AufRoad	6/27/2003	03-1990	0	0	0	0						
TECK03	AufRoad	7/12/2003	03-1990	0	0	0	0						
TECK03	AufRoad	8/11/2003	03-1990	0	0	0	0						
TECK03	AufRoad	9/22/2003	03-4618	0	0	0	0		0.00016				0.00055
TECK03	AufRoad	10/6/2003	03-4750	0	0	0	0		0.000154	0.0000230 *U*		0.101	0.0000155 *U*
TECK03	AufRoad	10/6/2003	03-4761	0	0	0	0		0.0000825	0.0000230 *U*		0.0796	0.0000700 *U*
TECK01	AufSFUp	7/11/2001	AufSFUp	0	0	0	0						
TECK01	AufSFUp	8/6/2001	AufSFUp	0	0	0	0						
TECK01	AufSFUp	9/4/2001	AufSFUp	0	0	0	0						
TECK01	AufSFUp	10/9/2001	AufSFUp	0	0	0	0						
TECK03	AufSFUp	6/11/2003	03-2450	0	0	0	0						
TECK03	AufSFUp	6/11/2003	03-2451	0	0	0	0						
TECK03	AufSFUp	6/27/2003	03-2883	0	0	0	0						
TECK03	AufSFUp	6/27/2003	03-2884	0	0	0	0						
TECK03	AufSFUp	7/12/2003	03-3272	0	0	0	0						
TECK03	AufSFUp	7/12/2003	03-3273	0	0	0	0						
TECK03	AufSFUp	8/10/2003	03-3849	0	0	0	0						
TECK03	AufSFUp	10/6/2003	03-4751	0	0	0	0		0.000373	0.0000230 *U*		0.0997	0.0000155 *U*
USGS02	MudLkCr	7/30/2002	MudLkCr_SW	0	0	0	0	0.16			1.1		
USGS02	NewHeart	7/29/2002	NewHeart_SW	0	0	0	0	0.32			1.8		
TECK01	NHDowRd	7/12/2001	NHDowRd	0	0	0	0						
TECK01	NHDowRd	8/6/2001	NHDowRd	0	0	0	0						
TECK01	NHDowRd	9/4/2001	NHDowRd	0	0	0	0						
TECK01	NHDowRd	10/8/2001	NHDowRd	0	0	0	0						
TECK03	NHDowRd	6/11/2003	03-2454	0	0	0	0						
TECK03	NHDowRd	6/11/2003	03-2455	0	0	0	0						
TECK03	NHDowRd	6/27/2003	03-2873	0	0	0	0						
TECK03	NHDowRd	6/27/2003	03-2874	0	0	0	0						
TECK03	NHDowRd	7/12/2003	03-3257	0	0	0	0						
TECK03	NHDowRd	7/12/2003	03-3258	0	0	0	0						
TECK03	NHDowRd	8/10/2003	03-3853	0	0	0	0						
TECK03	NHDowRd	10/6/2003	03-4746	0	0	0	0		0.00117	0.0000230 *U*		0.172	0.0000155 *U*
TECK03	NHMth	5/23/2003	03-1978	0	0	0	0						
TECK03	NHMth	5/23/2003	03-1979	0	0	0	0						

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Potassium (mg/L unfiltered)	Selenium (mg/L unfiltered)	Silver (mg/L unfiltered)	Sodium (mg/L unfiltered)	Strontium (mg/L unfiltered)	Thallium (mg/L unfiltered)
TECK03	NHMth	6/11/2003	03-2456	0	0	0	0						
TECK03	NHMth	6/11/2003	03-2457	0	0	0	0						
TECK03	NHMth	6/27/2003	03-2869	0	0	0	0						
TECK03	NHMth	6/27/2003	03-2870	0	0	0	0						
TECK03	NHMth	7/12/2003	03-3254	0	0	0	0						
TECK03	NHMth	7/12/2003	03-3255	0	0	0	0						
TECK03	NHMth	8/10/2003	03-3855	0	0	0	0						
TECK03	NHMth	10/6/2003	03-4745	0	0	0	0		0.000814				0.0000200 *U*
TECK01	NHMthL1	7/12/2001	NHMthL1	0	0	0	0						
TECK01	NHMthL1	8/6/2001	NHMthL1	0	0	0	0						
TECK01	NHMthL1	9/4/2001	NHMthL1	0	0	0	0						
TECK01	NHMthL1	10/8/2001	NHMthL1	0	0	0	0						
TECK01	NHMthL2	7/12/2001	NHMthL2	0	0	0	0						
TECK01	NHNFUp	7/12/2001	NHNFUp	0	0	0	0						
TECK01	NHNFUp	8/6/2001	NHNFUp	0	0	0	0						
TECK01	NHNFUp	9/4/2001	NHNFUp	0	0	0	0						
TECK01	NHNFUp	10/8/2001	NHNFUp	0	0	0	0						
TECK03	NHNFUp	6/11/2003	03-2458	0	0	0	0						
TECK03	NHNFUp	6/11/2003	03-2459	0	0	0	0						
TECK03	NHNFUp	6/27/2003	03-2877	0	0	0	0						
TECK03	NHNFUp	6/27/2003	03-2878	0	0	0	0						
TECK03	NHNFUp	7/12/2003	03-3266	0	0	0	0						
TECK03	NHNFUp	7/12/2003	03-3267	0	0	0	0						
TECK03	NHNFUp	8/10/2003	03-3857	0	0	0	0						
TECK03	NHNFUp	10/6/2003	03-4748	0	0	0	0		0.0000201 *U*	0.0000230 *U*		0.170	0.0000155 *U*
TECK01	NHRoad	7/12/2001	NHRoad	0	0	0	0						
TECK01	NHRoad	8/6/2001	NHRoad	0	0	0	0						
TECK01	NHRoad	9/4/2001	NHRoad	0	0	0	0						
TECK01	NHRoad	10/8/2001	NHRoad	0	0	0	0						
TECK03	NHRoad	5/23/2003	03-1982	0	0	0	0						
TECK03	NHRoad	5/23/2003	03-1983	0	0	0	0						
TECK03	NHRoad	6/11/2003	03-2452	0	0	0	0						
TECK03	NHRoad	6/11/2003	03-2453	0	0	0	0						
TECK03	NHRoad	6/27/2003	03-2875	0	0	0	0						
TECK03	NHRoad	7/12/2003	03-3260	0	0	0	0						
TECK03	NHRoad	7/12/2003	03-3261	0	0	0	0						
TECK03	NHRoad	8/10/2003	03-3851	0	0	0	0						
TECK03	NHRoad	9/22/2003	03-4617	0	0	0	0		0.000101				0.000016 *U*
TECK03	NHRoad	10/6/2003	03-4749	0	0	0	0		0.000112	0.0000230 *U*		0.171	0.0000155 *U*
TECK01	NHSFUp	7/12/2001	NHSFUp	0	0	0	0						
TECK01	NHSFUp	8/6/2001	NHSFUp	0	0	0	0						
TECK01	NHSFUp	9/4/2001	NHSFUp	0	0	0	0						

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Potassium (mg/L unfiltered)	Selenium (mg/L unfiltered)	Silver (mg/L unfiltered)	Sodium (mg/L unfiltered)	Strontium (mg/L unfiltered)	Thallium (mg/L unfiltered)
TECK03	NHSFUp	5/23/2003	03-1984	0	0	0	0						
TECK03	NHSFUp	5/23/2003	03-1985	0	0	0	0						
TECK03	NHSFUp	6/11/2003	03-2460	0	0	0	0						
TECK03	NHSFUp	6/11/2003	03-2461	0	0	0	0						
TECK03	NHSFUp	6/27/2003	03-2876	0	0	0	0						
TECK03	NHSFUp	6/27/2003	03-2879	0	0	0	0						
TECK03	NHSFUp	7/12/2003	03-3264	0	0	0	0						
TECK03	NHSFUp	7/12/2003	03-3265	0	0	0	0						
TECK03	NHSFUp	8/10/2003	03-3859	0	0	0	0						
TECK03	NHSFUp	10/6/2003	03-4747	0	0	0	0		0.000172	0.0000230 *U*		0.104	0.0000155 *U*
TECK01	OmiDowRd	7/11/2001	OmiDowRd	0	0	0	0						
TECK01	OmiDowRd	8/5/2001	OmiDowRd	0	0	0	0						
TECK01	OmiDowRd	9/15/2001	OmiDowRd	0	0	0	0						
TECK01	OmiDowRd	10/9/2001	OmiDowRd	0	0	0	0						
TECK03	OmiDowRd	5/22/2003	03-1972	0	0	0	0						
TECK03	OmiDowRd	5/22/2003	03-1973	0	0	0	0						
TECK03	OmiDowRd	6/11/2003	03-2464	0	0	0	0						
TECK03	OmiDowRd	6/11/2003	03-2465	0	0	0	0						
TECK03	OmiDowRd	6/28/2003	03-2871	0	0	0	0						
TECK03	OmiDowRd	6/28/2003	03-2872	0	0	0	0						
TECK03	OmiDowRd	7/13/2003	03-3276	0	0	0	0						
TECK03	OmiDowRd	7/13/2003	03-3277	0	0	0	0						
TECK03	OmiDowRd	8/10/2003	03-3863	0	0	0	0						
TECK03	OmiDowRd	10/6/2003	03-4755	0	0	0	0		0.0000201 *U*	0.0000230 *U*		0.0482	0.0000250 *U*
USGS02	OmikR	7/28/2002	OmikR_SW	0	0	0	0	0.23			1.6		
TECK01	OmiMth	7/11/2001	OmiMth	0	0	0	0						
TECK01	OmiMth	8/5/2001	OmiMth	0	0	0	0						
TECK01	OmiMth	9/15/2001	OmiMth	0	0	0	0						
TECK01	OmiMth	10/9/2001	OmiMth	0	0	0	0						
TECK03	OmiMth	5/22/2003	03-1976	0	0	0	0						
TECK03	OmiMth	5/22/2003	03-1977	0	0	0	0						
TECK03	OmiMth	6/11/2003	03-2466	0	0	0	0						
TECK03	OmiMth	6/11/2003	03-2467	0	0	0	0						
TECK03	OmiMth	6/27/2003	03-2867	0	0	0	0						
TECK03	OmiMth	6/27/2003	03-2868	0	0	0	0						
TECK03	OmiMth	7/12/2003	03-3250	0	0	0	0						
TECK03	OmiMth	7/12/2003	03-3251	0	0	0	0						
TECK03	OmiMth	8/10/2003	03-3865	0	0	0	0						
TECK03	OmiMth	10/6/2003	03-4760	0	0	0	0		0.0000201 *U*				0.0000680 *U*
TECK01	OmiNFUp	7/11/2001	OmiNFUp	0	0	0	0						
TECK01	OmiNFUp	8/5/2001	OmiNFUp	0	0	0	0						
TECK01	OmiNFUp	9/15/2001	OmiNFUp	0	0	0	0						

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Potassium (mg/L unfiltered)	Selenium (mg/L unfiltered)	Silver (mg/L unfiltered)	Sodium (mg/L unfiltered)	Strontium (mg/L unfiltered)	Thallium (mg/L unfiltered)
TECK01	OmiNFUp	10/9/2001	OmiNFUp	0	0	0	0						
TECK03	OmiNFUp	5/22/2003	03-1966	0	0	0	0						
TECK03	OmiNFUp	5/22/2003	03-1967	0	0	0	0						
TECK03	OmiNFUp	6/11/2003	03-2469	0	0	0	0						
TECK03	OmiNFUp	6/11/2003	03-2470	0	0	0	0						
TECK03	OmiNFUp	6/28/2003	03-2892	0	0	0	0						
TECK03	OmiNFUp	6/28/2003	03-2893	0	0	0	0						
TECK03	OmiNFUp	7/13/2003	03-3282	0	0	0	0						
TECK03	OmiNFUp	7/13/2003	03-3283	0	0	0	0						
TECK03	OmiNFUp	8/10/2003	03-3867	0	0	0	0						
TECK03	OmiNFUp	10/6/2003	03-4759	0	0	0	0		0.0000201 *U*	0.0000230 *U*		0.0558	0.0000155 *U*
TECK01	OmiRoad	7/11/2001	OmiRoad	0	0	0	0						
TECK01	OmiRoad	8/5/2001	OmiRoad	0	0	0	0						
TECK01	OmiRoad	9/15/2001	OmiRoad	0	0	0	0						
TECK01	OmiRoad	10/9/2001	OmiRoad	0	0	0	0						
TECK03	OmiRoad	5/22/2003	03-1970	0	0	0	0						
TECK03	OmiRoad	5/22/2003	03-1971	0	0	0	0						
TECK03	OmiRoad	6/11/2003	03-2462	0	0	0	0						
TECK03	OmiRoad	6/11/2003	03-2463	0	0	0	0						
TECK03	OmiRoad	6/28/2003	03-2888	0	0	0	0						
TECK03	OmiRoad	6/28/2003	03-2889	0	0	0	0						
TECK03	OmiRoad	7/13/2003	03-3278	0	0	0	0						
TECK03	OmiRoad	7/13/2003	03-3279	0	0	0	0						
TECK03	OmiRoad	8/10/2003	03-3861	0	0	0	0						
TECK03	OmiRoad	9/22/2003	03-4620	0	0	0	0		0.0000201 *U*				0.00007
TECK03	OmiRoad	10/6/2003	03-4757	0	0	0	0		0.0000201 *U*	0.0000230 *U*		0.0525	0.0000155 *U*
TECK01	OmiSFUp	7/11/2001	OmiSFUp	0	0	0	0						
TECK01	OmiSFUp	8/5/2001	OmiSFUp	0	0	0	0						
TECK01	OmiSFUp	9/15/2001	OmiSFUp	0	0	0	0						
TECK01	OmiSFUp	10/9/2001	OmiSFUp	0	0	0	0						
TECK03	OmiSFUp	5/22/2003	03-1968	0	0	0	0						
TECK03	OmiSFUp	5/22/2003	03-1969	0	0	0	0						
TECK03	OmiSFUp	6/11/2003	03-2471	0	0	0	0						
TECK03	OmiSFUp	6/11/2003	03-2472	0	0	0	0						
TECK03	OmiSFUp	6/28/2003	03-2890	0	0	0	0						
TECK03	OmiSFUp	6/28/2003	03-2891	0	0	0	0						
TECK03	OmiSFUp	7/13/2003	03-3280	0	0	0	0						
TECK03	OmiSFUp	7/13/2003	03-3281	0	0	0	0						
TECK03	OmiSFUp	8/10/2003	03-3869	0	0	0	0						
TECK03	OmiSFUp	10/6/2003	03-4758	0	0	0	0		0.0000201 *U*	0.0000230 *U*		0.0420	0.0000155 *U*
TECK01	StrDowRd	7/11/2001	StrDowRd	0	0	0	0						
TECK01	StrDowRd	8/6/2001	StrDowRd	0	0	0	0						

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Potassium (mg/L unfiltered)	Selenium (mg/L unfiltered)	Silver (mg/L unfiltered)	Sodium (mg/L unfiltered)	Strontium (mg/L unfiltered)	Thallium (mg/L unfiltered)
TECK01	StrDowRd	9/15/2001	StrDowRd	0	0	0	0						
TECK01	StrDowRd	10/9/2001	StrDowRd	0	0	0	0						
TECK03	StrDowRd	5/23/2003	03-1994	0	0	0	0						
TECK03	StrDowRd	5/23/2003	03-1997	0	0	0	0						
TECK03	StrDowRd	6/11/2003	03-2475	0	0	0	0						
TECK03	StrDowRd	6/11/2003	03-2476	0	0	0	0						
TECK03	StrDowRd	6/27/2003	03-2896	0	0	0	0						
TECK03	StrDowRd	6/27/2003	03-2897	0	0	0	0						
TECK03	StrDowRd	7/13/2003	03-3290	0	0	0	0						
TECK03	StrDowRd	7/13/2003	03-3291	0	0	0	0						
TECK03	StrDowRd	8/10/2003	03-3873	0	0	0	0						
TECK03	StrDowRd	10/6/2003	03-4753	0	0	0	0		0.0000201 *U*				0.0000155 *U*
TECK01	StrMth	9/15/2001	StrMth	0	0	0	0						
TECK03	StrMth	8/10/2003	03-3875	0	0	0	0						
TECK01	StrRoad	8/6/2001	StrRoad	0	0	0	0						
TECK01	StrRoad	9/15/2001	StrRoad	0	0	0	0						
TECK01	StrRoad	10/9/2001	StrRoad	0	0	0	0						
TECK03	StrRoad	5/23/2003	03-1995	0	0	0	0						
TECK03	StrRoad	5/23/2003	03-1996	0	0	0	0						
TECK03	StrRoad	6/11/2003	03-2473	0	0	0	0						
TECK03	StrRoad	6/11/2003	03-2474	0	0	0	0						
TECK03	StrRoad	6/27/2003	03-2894	0	0	0	0						
TECK03	StrRoad	6/27/2003	03-2895	0	0	0	0						
TECK03	StrRoad	7/13/2003	03-3294	0	0	0	0						
TECK03	StrRoad	7/13/2003	03-3295	0	0	0	0						
TECK03	StrRoad	8/10/2003	03-3871	0	0	0	0						
TECK03	StrRoad	9/22/2003	03-4619	0	0	0	0		0.0000201 *U*				0.00017
TECK03	StrRoad	10/6/2003	03-4756	0	0	0	0		0.0000201 *U*				0.000145 *U*
TECK01	StrUpRd	7/11/2001	StrUpRd	0	0	0	0						
TECK01	StrUpRd	8/6/2001	StrUpRd	0	0	0	0						
TECK01	StrUpRd	9/15/2001	StrUpRd	0	0	0	0						
TECK01	StrUpRd	10/9/2001	StrUpRd	0	0	0	0						
TECK03	StrUpRd	5/23/2003	03-1999	0	0	0	0						
TECK03	StrUpRd	5/23/2003	03-2000	0	0	0	0						
TECK03	StrUpRd	6/11/2003	03-2478	0	0	0	0						
TECK03	StrUpRd	6/11/2003	03-2479	0	0	0	0						
TECK03	StrUpRd	6/27/2003	03-2898	0	0	0	0						
TECK03	StrUpRd	6/27/2003	03-2899	0	0	0	0						
TECK03	StrUpRd	7/13/2003	03-3296	0	0	0	0						
TECK03	StrUpRd	7/13/2003	03-3297	0	0	0	0						
TECK03	StrUpRd	8/10/2003	03-3877	0	0	0	0						
TECK03	StrUpRd	10/6/2003	03-4754	0	0	0	0		0.0000201 *U*				0.0000155 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Potassium (mg/L unfiltered)	Selenium (mg/L unfiltered)	Silver (mg/L unfiltered)	Sodium (mg/L unfiltered)	Strontium (mg/L unfiltered)	Thallium (mg/L unfiltered)
TECK01	TutDowRd	7/11/2001	TutDowRd	0	0	0	0						
TECK01	TutDowRd	8/6/2001	TutDowRd	0	0	0	0						
TECK01	TutDowRd	9/15/2001	TutDowRd	0	0	0	0						
TECK01	TutDowRd	10/8/2001	TutDowRd	0	0	0	0						
TECK03	TutDowRd	5/22/2003	03-1964	0	0	0	0						
TECK03	TutDowRd	5/22/2003	03-1965	0	0	0	0						
TECK03	TutDowRd	6/11/2003	03-2482	0	0	0	0						
TECK03	TutDowRd	6/11/2003	03-2483	0	0	0	0						
TECK03	TutDowRd	6/28/2003	03-2900	0	0	0	0						
TECK03	TutDowRd	6/28/2003	03-2901	0	0	0	0						
TECK03	TutDowRd	7/13/2003	03-3284	0	0	0	0						
TECK03	TutDowRd	7/13/2003	03-3285	0	0	0	0						
TECK03	TutDowRd	8/10/2003	03-3881	0	0	0	0						
TECK03	TutDowRd	10/6/2003	03-4741	0	0	0	0		0.000457				0.0000155 *U*
TECK01	TutMth	7/11/2001	TutMth	0	0	0	0						
TECK01	TutMth	8/6/2001	TutMth	0	0	0	0						
TECK01	TutMth	9/15/2001	TutMth	0	0	0	0						
TECK01	TutMth	10/8/2001	TutMth	0	0	0	0						
TECK03	TutMth	5/22/2003	03-1974	0	0	0	0						
TECK03	TutMth	5/22/2003	03-1975	0	0	0	0						
TECK03	TutMth	6/11/2003	03-2484	0	0	0	0						
TECK03	TutMth	6/11/2003	03-2485	0	0	0	0						
TECK03	TutMth	6/27/2003	03-2865	0	0	0	0						
TECK03	TutMth	6/27/2003	03-2866	0	0	0	0						
TECK03	TutMth	7/12/2003	03-3248	0	0	0	0						
TECK03	TutMth	7/12/2003	03-3249	0	0	0	0						
TECK03	TutMth	8/10/2003	03-3883	0	0	0	0						
TECK03	TutMth	10/6/2003	03-4740	0	0	0	0		0.00124				0.0000155 *U*
TECK01	TutRoad	7/11/2001	TutRoad	0	0	0	0						
TECK01	TutRoad	8/6/2001	TutRoad	0	0	0	0						
TECK01	TutRoad	9/15/2001	TutRoad	0	0	0	0						
TECK01	TutRoad	10/8/2001	TutRoad	0	0	0	0						
TECK03	TutRoad	5/22/2003	03-1962	0	0	0	0						
TECK03	TutRoad	5/22/2003	03-1963	0	0	0	0						
TECK03	TutRoad	6/11/2003	03-2480	0	0	0	0						
TECK03	TutRoad	6/11/2003	03-2481	0	0	0	0						
TECK03	TutRoad	6/28/2003	03-2902	0	0	0	0						
TECK03	TutRoad	6/28/2003	03-2903	0	0	0	0						
TECK03	TutRoad	7/13/2003	03-3286	0	0	0	0						
TECK03	TutRoad	7/13/2003	03-3287	0	0	0	0						
TECK03	TutRoad	8/10/2003	03-3879	0	0	0	0						
TECK03	TutRoad	9/22/2003	03-4621	0	0	0	0		0.0000201 *U*				0.00004

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Potassium (mg/L unfiltered)	Selenium (mg/L unfiltered)	Silver (mg/L unfiltered)	Sodium (mg/L unfiltered)	Strontium (mg/L unfiltered)	Thallium (mg/L unfiltered)
TECK03	TutRoad	10/8/2003	03-4770	0	0	0	0		0.0000666				0.0000665 *U*
TECK01	TutUpRd	7/11/2001	TutUpRd	0	0	0	0						
TECK01	TutUpRd	8/6/2001	TutUpRd	0	0	0	0						
TECK01	TutUpRd	9/15/2001	TutUpRd	0	0	0	0						
TECK01	TutUpRd	10/8/2001	TutUpRd	0	0	0	0						
TECK03	TutUpRd	5/22/2003	03-1960	0	0	0	0						
TECK03	TutUpRd	5/22/2003	03-1961	0	0	0	0						
TECK03	TutUpRd	6/11/2003	03-2486	0	0	0	0						
TECK03	TutUpRd	6/11/2003	03-2487	0	0	0	0						
TECK03	TutUpRd	6/28/2003	03-2904	0	0	0	0						
TECK03	TutUpRd	6/28/2003	03-2905	0	0	0	0						
TECK03	TutUpRd	7/13/2003	03-3288	0	0	0	0						
TECK03	TutUpRd	7/13/2003	03-3289	0	0	0	0						
TECK03	TutUpRd	8/10/2003	03-3885	0	0	0	0						
TECK03	TutUpRd	10/6/2003	03-4742	0	0	0	0		0.00118				0.0000155 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Tin (mg/L unfiltered)	Vanadium (mg/L unfiltered)	Zinc (μg/L unfiltered)
TECK03	ARC-D	10/10/2003	03-4781	0	0	0	0	0.000590 *U*	0.000335 *U*	1.79 *J*
TECK03	ARC-U	10/10/2003	03-4782	0	0	0	0	0.000590 *U*	0.000930 *J*	1.17 *J*
USGS02	AufCreek	7/29/2002	AufCreek_SW	0	0	0	0			0.5 *U*
TECK01	AufDowRd	7/11/2001	AufDowRd	0	0	0	0			1 *U*
TECK01	AufDowRd	8/6/2001	AufDowRd	0	0	0	0			1 *U*
TECK01	AufDowRd	9/4/2001	AufDowRd	0	0	0	0			1 *U*
TECK01	AufDowRd	10/9/2001	AufDowRd	0	0	0	0			1 *U*
TECK03	AufDowRd	5/23/2003	03-1990	0	0	0	0			2.64
TECK03	AufDowRd	6/11/2003	03-1990	0	0	0	0			3.50 *U*
TECK03	AufDowRd	6/27/2003	03-1990	0	0	0	0			4.22
TECK03	AufDowRd	6/27/2003	03-2880	0	0	0	0			
TECK03	AufDowRd	6/27/2003	03-2881	0	0	0	0			
TECK03	AufDowRd	7/12/2003	03-3268	0	0	0	0			
TECK03	AufDowRd	7/12/2003	03-3269	0	0	0	0			14.9
TECK03	AufDowRd	8/11/2003	03-3843	0	0	0	0			1.61
TECK03	AufMth	5/23/2003	03-1986	0	0	0	0			
TECK03	AufMth	5/23/2003	03-1987	0	0	0	0			4.79
TECK03	AufMth	6/11/2003	03-2446	0	0	0	0			
TECK03	AufMth	6/11/2003	03-2447	0	0	0	0			3.50 *U*
TECK03	AufMth	6/27/2003	03-2863	0	0	0	0			
TECK03	AufMth	6/27/2003	03-2864	0	0	0	0			14.1
TECK03	AufMth	7/12/2003	03-3252	0	0	0	0			
TECK03	AufMth	7/12/2003	03-3253	0	0	0	0			1.00 *U*
TECK03	AufMth	8/10/2003	03-3845	0	0	0	0			2.53
TECK03	AufMth	10/6/2003	03-4763	0	0	0	0			22.8 *J*
TECK01	AufMthL1	7/11/2001	AufMthL1	0	0	0	0			1 *U*
TECK01	AufMthL2	7/11/2001	AufMthL2	0	0	0	0			1 *U*
TECK01	AufMthL2	8/6/2001	AufMthL2	0	0	0	0			1 *U*
TECK01	AufMthL2	9/4/2001	AufMthL2	0	0	0	0			1 *U*
TECK01	AufMthL2	10/9/2001	AufMthL2	0	0	0	0			1 *U*
TECK01	AufNFUp	7/11/2001	AufNFUp	0	0	0	0			1 *U*
TECK01	AufNFUp	8/6/2001	AufNFUp	0	0	0	0			1 *U*
TECK01	AufNFUp	9/4/2001	AufNFUp	0	0	0	0			1.0 *U*
TECK01	AufNFUp	10/9/2001	AufNFUp	0	0	0	0			1 *U*
TECK03	AufNFUp	5/23/2003	03-1992	0	0	0	0			
TECK03	AufNFUp	5/23/2003	03-1993	0	0	0	0			1.00 *U*
TECK03	AufNFUp	6/11/2003	03-2448	0	0	0	0			
TECK03	AufNFUp	6/11/2003	03-2449	0	0	0	0			3.50 *U*
TECK03	AufNFUp	6/27/2003	03-2886	0	0	0	0			
TECK03	AufNFUp	6/27/2003	03-2887	0	0	0	0			3.72
TECK03	AufNFUp	7/12/2003	03-3274	0	0	0	0			
TECK03	AufNFUp	7/12/2003	03-3275	0	0	0	0			1.00 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Tin (mg/L unfiltered)	Vanadium (mg/L unfiltered)	Zinc (μg/L unfiltered)
TECK03	AufNFUp	8/10/2003	03-3847	0	0	0	0			1.59
TECK03	AufNFUp	10/6/2003	03-4752	0	0	0	0	0.000590 *U*	0.000335 *U*	4.34
TECK01	AufRoad	7/11/2001	AufRoad	0	0	0	0			2.29
TECK01	AufRoad	8/6/2001	AufRoad	0	0	0	0			1 *U*
TECK01	AufRoad	9/4/2001	AufRoad	0	0	0	0			1 *U*
TECK01	AufRoad	10/9/2001	AufRoad	0	0	0	0			2.07
TECK03	AufRoad	5/23/2003	03-1990	0	0	0	0			10.1
TECK03	AufRoad	6/11/2003	03-1990	0	0	0	0			3.50 *U*
TECK03	AufRoad	6/27/2003	03-1990	0	0	0	0			2.85
TECK03	AufRoad	7/12/2003	03-1990	0	0	0	0			15.4
TECK03	AufRoad	8/11/2003	03-1990	0	0	0	0			12.4
TECK03	AufRoad	9/22/2003	03-4618	0	0	0	0			11.2
TECK03	AufRoad	10/6/2003	03-4750	0	0	0	0	0.000590 *U*	0.000830 *J*	1.17
TECK03	AufRoad	10/6/2003	03-4761	0	0	0	0	0.00130 *J*	0.000335 *U*	1.12 *J*
TECK01	AufSFUp	7/11/2001	AufSFUp	0	0	0	0			1 *U*
TECK01	AufSFUp	8/6/2001	AufSFUp	0	0	0	0			1 *U*
TECK01	AufSFUp	9/4/2001	AufSFUp	0	0	0	0			1 *U*
TECK01	AufSFUp	10/9/2001	AufSFUp	0	0	0	0			1 *U*
TECK03	AufSFUp	6/11/2003	03-2450	0	0	0	0			
TECK03	AufSFUp	6/11/2003	03-2451	0	0	0	0			3.50 *U*
TECK03	AufSFUp	6/27/2003	03-2883	0	0	0	0			
TECK03	AufSFUp	6/27/2003	03-2884	0	0	0	0			11.4
TECK03	AufSFUp	7/12/2003	03-3272	0	0	0	0			
TECK03	AufSFUp	7/12/2003	03-3273	0	0	0	0			1.00 *U*
TECK03	AufSFUp	8/10/2003	03-3849	0	0	0	0			2.06
TECK03	AufSFUp	10/6/2003	03-4751	0	0	0	0	0.000590 *U*	0.000670 *J*	6.49
USGS02	MudLkCr	7/30/2002	MudLkCr_SW	0	0	0	0			1
USGS02	NewHeart	7/29/2002	NewHeart_SW	0	0	0	0			5
TECK01	NHDowRd	7/12/2001	NHDowRd	0	0	0	0			1 *U*
TECK01	NHDowRd	8/6/2001	NHDowRd	0	0	0	0			1 *U*
TECK01	NHDowRd	9/4/2001	NHDowRd	0	0	0	0			4.5
TECK01	NHDowRd	10/8/2001	NHDowRd	0	0	0	0			34.4
TECK03	NHDowRd	6/11/2003	03-2454	0	0	0	0			
TECK03	NHDowRd	6/11/2003	03-2455	0	0	0	0			3.50 *U*
TECK03	NHDowRd	6/27/2003	03-2873	0	0	0	0			
TECK03	NHDowRd	6/27/2003	03-2874	0	0	0	0			3.00
TECK03	NHDowRd	7/12/2003	03-3257	0	0	0	0			
TECK03	NHDowRd	7/12/2003	03-3258	0	0	0	0			10.9
TECK03	NHDowRd	8/10/2003	03-3853	0	0	0	0			3.30
TECK03	NHDowRd	10/6/2003	03-4746	0	0	0	0	0.00225 *J*	0.000335 *U*	5.27
TECK03	NHMth	5/23/2003	03-1978	0	0	0	0			
TECK03	NHMth	5/23/2003	03-1979	0	0	0	0			4.58

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Tin (mg/L unfiltered)	Vanadium (mg/L unfiltered)	Zinc (μg/L unfiltered)
TECK03	NHMth	6/11/2003	03-2456	0	0	0	0			
TECK03	NHMth	6/11/2003	03-2457	0	0	0	0			3.50 *U*
TECK03	NHMth	6/27/2003	03-2869	0	0	0	0			
TECK03	NHMth	6/27/2003	03-2870	0	0	0	0			6.19
TECK03	NHMth	7/12/2003	03-3254	0	0	0	0			
TECK03	NHMth	7/12/2003	03-3255	0	0	0	0			1.00 *U*
TECK03	NHMth	8/10/2003	03-3855	0	0	0	0			3.37
TECK03	NHMth	10/6/2003	03-4745	0	0	0	0			16.3
TECK01	NHMthL1	7/12/2001	NHMthL1	0	0	0	0			1 *U*
TECK01	NHMthL1	8/6/2001	NHMthL1	0	0	0	0			1 *U*
TECK01	NHMthL1	9/4/2001	NHMthL1	0	0	0	0			16.1
TECK01	NHMthL1	10/8/2001	NHMthL1	0	0	0	0			1 *U*
TECK01	NHMthL2	7/12/2001	NHMthL2	0	0	0	0			1 *U*
TECK01	NHNFUp	7/12/2001	NHNFUp	0	0	0	0			1 *U*
TECK01	NHNFUp	8/6/2001	NHNFUp	0	0	0	0			1 *U*
TECK01	NHNFUp	9/4/2001	NHNFUp	0	0	0	0			8.4
TECK01	NHNFUp	10/8/2001	NHNFUp	0	0	0	0			1 *U*
TECK03	NHNFUp	6/11/2003	03-2458	0	0	0	0			
TECK03	NHNFUp	6/11/2003	03-2459	0	0	0	0			12.0
TECK03	NHNFUp	6/27/2003	03-2877	0	0	0	0			
TECK03	NHNFUp	6/27/2003	03-2878	0	0	0	0			4.03
TECK03	NHNFUp	7/12/2003	03-3266	0	0	0	0			
TECK03	NHNFUp	7/12/2003	03-3267	0	0	0	0			1.00 *U*
TECK03	NHNFUp	8/10/2003	03-3857	0	0	0	0			0.510 *U*
TECK03	NHNFUp	10/6/2003	03-4748	0	0	0	0	0.000590 *U*	0.000335 *U*	1.92 *J*
TECK01	NHRoad	7/12/2001	NHRoad	0	0	0	0			3.91
TECK01	NHRoad	8/6/2001	NHRoad	0	0	0	0			2.89
TECK01	NHRoad	9/4/2001	NHRoad	0	0	0	0			6.8
TECK01	NHRoad	10/8/2001	NHRoad	0	0	0	0			11.1
TECK03	NHRoad	5/23/2003	03-1982	0	0	0	0			
TECK03	NHRoad	5/23/2003	03-1983	0	0	0	0			7.82
TECK03	NHRoad	6/11/2003	03-2452	0	0	0	0			
TECK03	NHRoad	6/11/2003	03-2453	0	0	0	0			9.68
TECK03	NHRoad	6/27/2003	03-2875	0	0	0	0			9.32
TECK03	NHRoad	7/12/2003	03-3260	0	0	0	0			
TECK03	NHRoad	7/12/2003	03-3261	0	0	0	0			6.10
TECK03	NHRoad	8/10/2003	03-3851	0	0	0	0			6.85
TECK03	NHRoad	9/22/2003	03-4617	0	0	0	0			12.4
TECK03	NHRoad	10/6/2003	03-4749	0	0	0	0	0.000590 *U*	0.000335 *U*	11.3
TECK01	NHSFUp	7/12/2001	NHSFUp	0	0	0	0			3.29
TECK01	NHSFUp	8/6/2001	NHSFUp	0	0	0	0			1 *U*
TECK01	NHSFUp	9/4/2001	NHSFUp	0	0	0	0			1 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Tin (mg/L unfiltered)	Vanadium (mg/L unfiltered)	Zinc (μg/L unfiltered)
TECK03	NHSFUp	5/23/2003	03-1984	0	0	0	0			
TECK03	NHSFUp	5/23/2003	03-1985	0	0	0	0			1.00 *U*
TECK03	NHSFUp	6/11/2003	03-2460	0	0	0	0			
TECK03	NHSFUp	6/11/2003	03-2461	0	0	0	0			3.50 *U*
TECK03	NHSFUp	6/27/2003	03-2876	0	0	0	0			
TECK03	NHSFUp	6/27/2003	03-2879	0	0	0	0			4.86
TECK03	NHSFUp	7/12/2003	03-3264	0	0	0	0			
TECK03	NHSFUp	7/12/2003	03-3265	0	0	0	0			1.00 *U*
TECK03	NHSFUp	8/10/2003	03-3859	0	0	0	0			0.510 *U*
TECK03	NHSFUp	10/6/2003	03-4747	0	0	0	0	0.00136 *J*	0.000850 *J*	8.89
TECK01	OmiDowRd	7/11/2001	OmiDowRd	0	0	0	0			1 *U*
TECK01	OmiDowRd	8/5/2001	OmiDowRd	0	0	0	0			1 *U*
TECK01	OmiDowRd	9/15/2001	OmiDowRd	0	0	0	0			5.0 *U*
TECK01	OmiDowRd	10/9/2001	OmiDowRd	0	0	0	0			1 *U*
TECK03	OmiDowRd	5/22/2003	03-1972	0	0	0	0			
TECK03	OmiDowRd	5/22/2003	03-1973	0	0	0	0			43.0
TECK03	OmiDowRd	6/11/2003	03-2464	0	0	0	0			
TECK03	OmiDowRd	6/11/2003	03-2465	0	0	0	0			24.7
TECK03	OmiDowRd	6/28/2003	03-2871	0	0	0	0			
TECK03	OmiDowRd	6/28/2003	03-2872	0	0	0	0			4.34
TECK03	OmiDowRd	7/13/2003	03-3276	0	0	0	0			
TECK03	OmiDowRd	7/13/2003	03-3277	0	0	0	0			1.00 *U*
TECK03	OmiDowRd	8/10/2003	03-3863	0	0	0	0			1.31
TECK03	OmiDowRd	10/6/2003	03-4755	0	0	0	0	0.000590 *U*	0.000335 *U*	7.65
USGS02	OmikR	7/28/2002	OmikR_SW	0	0	0	0			2
TECK01	OmiMth	7/11/2001	OmiMth	0	0	0	0			1 *U*
TECK01	OmiMth	8/5/2001	OmiMth	0	0	0	0			1 *U*
TECK01	OmiMth	9/15/2001	OmiMth	0	0	0	0			5.0 *U*
TECK01	OmiMth	10/9/2001	OmiMth	0	0	0	0			1 *U*
TECK03	OmiMth	5/22/2003	03-1976	0	0	0	0			
TECK03	OmiMth	5/22/2003	03-1977	0	0	0	0			12.6
TECK03	OmiMth	6/11/2003	03-2466	0	0	0	0			
TECK03	OmiMth	6/11/2003	03-2467	0	0	0	0			7.04
TECK03	OmiMth	6/27/2003	03-2867	0	0	0	0			
TECK03	OmiMth	6/27/2003	03-2868	0	0	0	0			10.8
TECK03	OmiMth	7/12/2003	03-3250	0	0	0	0			
TECK03	OmiMth	7/12/2003	03-3251	0	0	0	0			18.5
TECK03	OmiMth	8/10/2003	03-3865	0	0	0	0			0.510 *U*
TECK03	OmiMth	10/6/2003	03-4760	0	0	0	0			0.510 *U*
TECK01	OmiNFUp	7/11/2001	OmiNFUp	0	0	0	0			5.16
TECK01	OmiNFUp	8/5/2001	OmiNFUp	0	0	0	0			1 *U*
TECK01	OmiNFUp	9/15/2001	OmiNFUp	0	0	0	0			5.0 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Tin (mg/L unfiltered)	Vanadium (mg/L unfiltered)	Zinc (μg/L unfiltered)
TECK01	OmiNFUp	10/9/2001	OmiNFUp	0	0	0	0			1 *U*
TECK03	OmiNFUp	5/22/2003	03-1966	0	0	0	0			
TECK03	OmiNFUp	5/22/2003	03-1967	0	0	0	0			3.53
TECK03	OmiNFUp	6/11/2003	03-2469	0	0	0	0			
TECK03	OmiNFUp	6/11/2003	03-2470	0	0	0	0			3.50 *U*
TECK03	OmiNFUp	6/28/2003	03-2892	0	0	0	0			
TECK03	OmiNFUp	6/28/2003	03-2893	0	0	0	0			3.99
TECK03	OmiNFUp	7/13/2003	03-3282	0	0	0	0			
TECK03	OmiNFUp	7/13/2003	03-3283	0	0	0	0			1.00 *U*
TECK03	OmiNFUp	8/10/2003	03-3867	0	0	0	0			0.510 *U*
TECK03	OmiNFUp	10/6/2003	03-4759	0	0	0	0	0.00533 *J*	0.000335 *U*	0.510 *U*
TECK01	OmiRoad	7/11/2001	OmiRoad	0	0	0	0			1 *U*
TECK01	OmiRoad	8/5/2001	OmiRoad	0	0	0	0			1 *U*
TECK01	OmiRoad	9/15/2001	OmiRoad	0	0	0	0			5.0 *U*
TECK01	OmiRoad	10/9/2001	OmiRoad	0	0	0	0			1 *U*
TECK03	OmiRoad	5/22/2003	03-1970	0	0	0	0			
TECK03	OmiRoad	5/22/2003	03-1971	0	0	0	0			7.05
TECK03	OmiRoad	6/11/2003	03-2462	0	0	0	0			
TECK03	OmiRoad	6/11/2003	03-2463	0	0	0	0			29.0
TECK03	OmiRoad	6/28/2003	03-2888	0	0	0	0			
TECK03	OmiRoad	6/28/2003	03-2889	0	0	0	0			4.28
TECK03	OmiRoad	7/13/2003	03-3278	0	0	0	0			
TECK03	OmiRoad	7/13/2003	03-3279	0	0	0	0			1.00 *U*
TECK03	OmiRoad	8/10/2003	03-3861	0	0	0	0			1.40
TECK03	OmiRoad	9/22/2003	03-4620	0	0	0	0			1.95
TECK03	OmiRoad	10/6/2003	03-4757	0	0	0	0	0.00165 *J*	0.000335 *U*	0.510 *U*
TECK01	OmiSFUp	7/11/2001	OmiSFUp	0	0	0	0			1 *U*
TECK01	OmiSFUp	8/5/2001	OmiSFUp	0	0	0	0			2.18
TECK01	OmiSFUp	9/15/2001	OmiSFUp	0	0	0	0			5.0 *U*
TECK01	OmiSFUp	10/9/2001	OmiSFUp	0	0	0	0			1 *U*
TECK03	OmiSFUp	5/22/2003	03-1968	0	0	0	0			
TECK03	OmiSFUp	5/22/2003	03-1969	0	0	0	0			6.12
TECK03	OmiSFUp	6/11/2003	03-2471	0	0	0	0			
TECK03	OmiSFUp	6/11/2003	03-2472	0	0	0	0			3.50 *U*
TECK03	OmiSFUp	6/28/2003	03-2890	0	0	0	0			
TECK03	OmiSFUp	6/28/2003	03-2891	0	0	0	0			2.94
TECK03	OmiSFUp	7/13/2003	03-3280	0	0	0	0			
TECK03	OmiSFUp	7/13/2003	03-3281	0	0	0	0			1.00 *U*
TECK03	OmiSFUp	8/10/2003	03-3869	0	0	0	0			0.510 *U*
TECK03	OmiSFUp	10/6/2003	03-4758	0	0	0	0	0.000590 *U*	0.000335 *U*	0.510 *U*
TECK01	StrDowRd	7/11/2001	StrDowRd	0	0	0	0			1 *U*
TECK01	StrDowRd	8/6/2001	StrDowRd	0	0	0	0			1 *U*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Tin (mg/L unfiltered)	Vanadium (mg/L unfiltered)	Zinc (μg/L unfiltered)
TECK01	StrDowRd	9/15/2001	StrDowRd	0	0	0	0			5.0 *U*
TECK01	StrDowRd	10/9/2001	StrDowRd	0	0	0	0			1 *U*
TECK03	StrDowRd	5/23/2003	03-1994	0	0	0	0			
TECK03	StrDowRd	5/23/2003	03-1997	0	0	0	0			19.7
TECK03	StrDowRd	6/11/2003	03-2475	0	0	0	0			
TECK03	StrDowRd	6/11/2003	03-2476	0	0	0	0			28.1
TECK03	StrDowRd	6/27/2003	03-2896	0	0	0	0			
TECK03	StrDowRd	6/27/2003	03-2897	0	0	0	0			3.45
TECK03	StrDowRd	7/13/2003	03-3290	0	0	0	0			
TECK03	StrDowRd	7/13/2003	03-3291	0	0	0	0			1.00 *U*
TECK03	StrDowRd	8/10/2003	03-3873	0	0	0	0			0.510 *U*
TECK03	StrDowRd	10/6/2003	03-4753	0	0	0	0			1.80 *J*
TECK01	StrMth	9/15/2001	StrMth	0	0	0	0			5.0 *U*
TECK03	StrMth	8/10/2003	03-3875	0	0	0	0			2.10
TECK01	StrRoad	8/6/2001	StrRoad	0	0	0	0			1 *U*
TECK01	StrRoad	9/15/2001	StrRoad	0	0	0	0			5.0 *U*
TECK01	StrRoad	10/9/2001	StrRoad	0	0	0	0			1 *U*
TECK03	StrRoad	5/23/2003	03-1995	0	0	0	0			
TECK03	StrRoad	5/23/2003	03-1996	0	0	0	0			18.7
TECK03	StrRoad	6/11/2003	03-2473	0	0	0	0			
TECK03	StrRoad	6/11/2003	03-2474	0	0	0	0			27.6
TECK03	StrRoad	6/27/2003	03-2894	0	0	0	0			
TECK03	StrRoad	6/27/2003	03-2895	0	0	0	0			7.68
TECK03	StrRoad	7/13/2003	03-3294	0	0	0	0			
TECK03	StrRoad	7/13/2003	03-3295	0	0	0	0			1.00 *U*
TECK03	StrRoad	8/10/2003	03-3871	0	0	0	0			0.510 *U*
TECK03	StrRoad	9/22/2003	03-4619	0	0	0	0			0.510 *U*
TECK03	StrRoad	10/6/2003	03-4756	0	0	0	0			1.25 *J*
TECK01	StrUpRd	7/11/2001	StrUpRd	0	0	0	0			1 *U*
TECK01	StrUpRd	8/6/2001	StrUpRd	0	0	0	0			1 *U*
TECK01	StrUpRd	9/15/2001	StrUpRd	0	0	0	0			5.0 *U*
TECK01	StrUpRd	10/9/2001	StrUpRd	0	0	0	0			1 *U*
TECK03	StrUpRd	5/23/2003	03-1999	0	0	0	0			
TECK03	StrUpRd	5/23/2003	03-2000	0	0	0	0			9.74
TECK03	StrUpRd	6/11/2003	03-2478	0	0	0	0			
TECK03	StrUpRd	6/11/2003	03-2479	0	0	0	0			13.0
TECK03	StrUpRd	6/27/2003	03-2898	0	0	0	0			
TECK03	StrUpRd	6/27/2003	03-2899	0	0	0	0			8.11
TECK03	StrUpRd	7/13/2003	03-3296	0	0	0	0			
TECK03	StrUpRd	7/13/2003	03-3297	0	0	0	0			1.00 *U*
TECK03	StrUpRd	8/10/2003	03-3877	0	0	0	0			0.510 *U*
TECK03	StrUpRd	10/6/2003	03-4754	0	0	0	0			2.29 *J*

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Tin (mg/L unfiltered)	Vanadium (mg/L unfiltered)	Zinc (μg/L unfiltered)
TECK01	TutDowRd	7/11/2001	TutDowRd	0	0	0	0			1 *U*
TECK01	TutDowRd	8/6/2001	TutDowRd	0	0	0	0			1 *U*
TECK01	TutDowRd	9/15/2001	TutDowRd	0	0	0	0			5.0 *U*
TECK01	TutDowRd	10/8/2001	TutDowRd	0	0	0	0			1 *U*
TECK03	TutDowRd	5/22/2003	03-1964	0	0	0	0			
TECK03	TutDowRd	5/22/2003	03-1965	0	0	0	0			60.1
TECK03	TutDowRd	6/11/2003	03-2482	0	0	0	0			
TECK03	TutDowRd	6/11/2003	03-2483	0	0	0	0			3.50 *U*
TECK03	TutDowRd	6/28/2003	03-2900	0	0	0	0			
TECK03	TutDowRd	6/28/2003	03-2901	0	0	0	0			0.575 *U*
TECK03	TutDowRd	7/13/2003	03-3284	0	0	0	0			
TECK03	TutDowRd	7/13/2003	03-3285	0	0	0	0			8.19
TECK03	TutDowRd	8/10/2003	03-3881	0	0	0	0			0.510 *U*
TECK03	TutDowRd	10/6/2003	03-4741	0	0	0	0			5.73 *J*
TECK01	TutMth	7/11/2001	TutMth	0	0	0	0			1 *U*
TECK01	TutMth	8/6/2001	TutMth	0	0	0	0			1 *U*
TECK01	TutMth	9/15/2001	TutMth	0	0	0	0			5.0 *U*
TECK01	TutMth	10/8/2001	TutMth	0	0	0	0			1 *U*
TECK03	TutMth	5/22/2003	03-1974	0	0	0	0			
TECK03	TutMth	5/22/2003	03-1975	0	0	0	0			8.72
TECK03	TutMth	6/11/2003	03-2484	0	0	0	0			
TECK03	TutMth	6/11/2003	03-2485	0	0	0	0			3.50 *U*
TECK03	TutMth	6/27/2003	03-2865	0	0	0	0			
TECK03	TutMth	6/27/2003	03-2866	0	0	0	0			31.6
TECK03	TutMth	7/12/2003	03-3248	0	0	0	0			
TECK03	TutMth	7/12/2003	03-3249	0	0	0	0			3.98
TECK03	TutMth	8/10/2003	03-3883	0	0	0	0			5.62
TECK03	TutMth	10/6/2003	03-4740	0	0	0	0			5.12
TECK01	TutRoad	7/11/2001	TutRoad	0	0	0	0			1 *U*
TECK01	TutRoad	8/6/2001	TutRoad	0	0	0	0			2.2
TECK01	TutRoad	9/15/2001	TutRoad	0	0	0	0			5.0 *U*
TECK01	TutRoad	10/8/2001	TutRoad	0	0	0	0			1 *U*
TECK03	TutRoad	5/22/2003	03-1962	0	0	0	0			
TECK03	TutRoad	5/22/2003	03-1963	0	0	0	0			14.2
TECK03	TutRoad	6/11/2003	03-2480	0	0	0	0			
TECK03	TutRoad	6/11/2003	03-2481	0	0	0	0			3.50 *U*
TECK03	TutRoad	6/28/2003	03-2902	0	0	0	0			
TECK03	TutRoad	6/28/2003	03-2903	0	0	0	0			43.4
TECK03	TutRoad	7/13/2003	03-3286	0	0	0	0			
TECK03	TutRoad	7/13/2003	03-3287	0	0	0	0			1.00 *U*
TECK03	TutRoad	8/10/2003	03-3879	0	0	0	0			0.510 *U*
TECK03	TutRoad	9/22/2003	03-4621	0	0	0	0			2.33

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Tin (mg/L unfiltered)	Vanadium (mg/L unfiltered)	Zinc (μg/L unfiltered)
TECK03	TutRoad	10/8/2003	03-4770	0	0	0	0			4.88 *J*
TECK01	TutUpRd	7/11/2001	TutUpRd	0	0	0	0			1 *U*
TECK01	TutUpRd	8/6/2001	TutUpRd	0	0	0	0			1 *U*
TECK01	TutUpRd	9/15/2001	TutUpRd	0	0	0	0			5.0 *U*
TECK01	TutUpRd	10/8/2001	TutUpRd	0	0	0	0			1 *U*
TECK03	TutUpRd	5/22/2003	03-1960	0	0	0	0			
TECK03	TutUpRd	5/22/2003	03-1961	0	0	0	0			8.13
TECK03	TutUpRd	6/11/2003	03-2486	0	0	0	0			
TECK03	TutUpRd	6/11/2003	03-2487	0	0	0	0			3.50 *U*
TECK03	TutUpRd	6/28/2003	03-2904	0	0	0	0			
TECK03	TutUpRd	6/28/2003	03-2905	0	0	0	0			50.2
TECK03	TutUpRd	7/13/2003	03-3288	0	0	0	0			
TECK03	TutUpRd	7/13/2003	03-3289	0	0	0	0			1.00 *U*
TECK03	TutUpRd	8/10/2003	03-3885	0	0	0	0			1.68
TECK03	TutUpRd	10/6/2003	03-4742	0	0	0	0			1.47 *J*

Note: DOC - dissolved organic carbon
HCO -
J - estimated
U - undetected at detection limit shown

[a] All hardness values have been calculated from calcium and magnesium as: (2.497 * [Ca] + 4.118 * [Mg]) where calcium and magnesium are reported in mg/L, except where otherwise noted.

Table C-8. Analytical results for stream surface water samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (µg/L unfiltered)	Arsenic (µg/L unfiltered)	Barium (µg/L unfiltered)	Cadmium (µg/L unfiltered)	Calcium (µg/L unfiltered)
PHASE1RA	ST-REF-1	7/20/2003	SW0035	0	0	112	17.3	0.01 *U*	0.1 *U*	169	0.005 *U*	33,100
PHASE1RA	ST-REF-4	7/20/2003	SW0037	0	0	64.2	23.2	0.01 *U*	0.1 *U*	86.1	0.01 *J*	15,500
PHASE1RA	ST-REF-5	7/20/2003	SW0034	0	0	56.0	2,770	0.08	2.2	222	0.07	10,800

Table C-8. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Chromium (µg/L unfiltered)	Cobalt (µg/L unfiltered)	Copper (µg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (µg/L unfiltered)	Lead (µg/L unfiltered)	Magnesium (µg/L unfiltered)
PHASE1RA	ST-REF-1	7/20/2003	SW0035	0	0	0.25	0.22	0.6 *J*	0.04 *J*	64.2	0.02 *J*	7,070
PHASE1RA	ST-REF-4	7/20/2003	SW0037	0	0	0.17 *J*	0.120	0.7 *J*	0.04 *J*	112	0.02	6,180
PHASE1RA	ST-REF-5	7/20/2003	SW0034	0	0	3.71	2.72	5.4	0.03 *J*	6,710	1.91	7,060

Table C-8. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Manganese (µg/L unfiltered)	Mercury (µg/L unfiltered)	Molybdenum (µg/L unfiltered)	Nickel (µg/L unfiltered)	Selenium (µg/L unfiltered)	Silver (µg/L unfiltered)	Strontium (µg/L unfiltered)
PHASE1RA	ST-REF-1	7/20/2003	SW0035	0	0	5.11	0.05 *U*	0.05 *J*	1.81	0.2 *U*	0.005 *U*	81.1
PHASE1RA	ST-REF-4	7/20/2003	SW0037	0	0	4.87	0.05 *U*	0.02 *U*	1.06	0.2 *U*	0.005 *U*	51.1
PHASE1RA	ST-REF-5	7/20/2003	SW0034	0	0	128	0.05 *U*	0.17 *J*	10.5	0.2 *U*	0.03	32.5

Table C-8. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (µg/L unfiltered)	Tin (µg/L unfiltered)	Vanadium (µg/L unfiltered)	Zinc (µg/L unfiltered)
PHASE1RA	ST-REF-1	7/20/2003	SW0035	0	0	0.003 *U*	10 *U*	0.2 *J*	0.31 *J*
PHASE1RA	ST-REF-4	7/20/2003	SW0037	0	0	0.003 *U*	10 *U*	0.16 *J*	0.35 *J*
PHASE1RA	ST-REF-5	7/20/2003	SW0034	0	0	0.014 *J*	10 *U*	5.57	9.84

Note: *J* - estimated
U - undetected at detection limit shown

[a] All hardness values have been calculated from calcium and magnesium as: (2.497 * [Ca] + 4.118 * [Mg]) where calcium and magnesium are reported in mg/L, except where otherwise noted.

Table C-9. Analytical results for pond sediment samples (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PHASE1RA	TP1-0100	7/22/2003	SD0074	1	0	5,270	10.9	8.7	626 *J*	119	15.3	25.9	53.4	4.4 *J*
PHASE1RA	TP1-0100	7/22/2003	SD0074	2	0	3,300	7.14	6.2	370 *J*	83.2	11	22.3	37.6	2.6 *J*
PHASE1RA	TP1-1000	7/19/2003	SD0061	0	0	4,330	0.2 *J*	5.1	281	0.94	9.71	22.6	25.3	1.2 *U*
PHASE1RA	TP2-0100	7/19/2003	SD0060	0	0	1,920	0.26 *J*	3.5 *J*	388	1.91	9.42	7.56	6.51	2.6 *J*
PHASE1RA	TP2-1000	7/19/2003	SD0059	0	0	2,610	0.19 *J*	2.6 *J*	319	0.93	8.97	2.66	16.2	1.2 *U*

Table C-9. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PHASE1RA	TP1-0100	7/22/2003	SD0074	1	0	33,000	2,180	129	1.31	2.84	44.2	3.5 *J*	3.76	111
PHASE1RA	TP1-0100	7/22/2003	SD0074	2	0	20,000	1,430	60.2	0.90	2.02	33.6	2.4 *J*	2.28	60.4
PHASE1RA	TP1-1000	7/19/2003	SD0061	0	0	16,000	8.96	745	0.06	1.17	26.9	1.6 *J*	0.09	24.6
PHASE1RA	TP2-0100	7/19/2003	SD0060	0	0	51,900	93.2	239	0.11	2	17.6	0.75 *U*	0.075 *U*	22.2
PHASE1RA	TP2-1000	7/19/2003	SD0059	0	0	22,800	22.5	79.8	0.12	1.05	27.1	1.2 *J*	0.05 *U*	17.1

Table C-9. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PHASE1RA	TP1-0100	7/22/2003	SD0074	1	0	1.92	22.8 *J*	14.1	27,000
PHASE1RA	TP1-0100	7/22/2003	SD0074	2	0	1.36	18.2 *J*	10.2	16,700
PHASE1RA	TP1-1000	7/19/2003	SD0061	0	0	0.021 *J*	7.70 *U*	15.1	162
PHASE1RA	TP2-0100	7/19/2003	SD0060	0	0	0.023 *U*	41.2 *J*	28.3	288
PHASE1RA	TP2-1000	7/19/2003	SD0059	0	0	0.042 *J*	10.7 *U*	15.6	143

Note: *J* - estimated
U - undetected at detection limit shown

Table C-10. Analytical results for pond sediment samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PHASE1RA	TP-REF-1	7/20/2003	SD0071	0	0	12,700	0.11 *J*	13	772	0.66	22.6	21.9	20.7	1.2 *U*
PHASE1RA	TP-REF-2	7/20/2003	SD0070	0	0	4,310	0.03 *J*	7	232	0.35	10.9	8.13	13.2	1.2 *U*
PHASE1RA	TP-REF-3	7/20/2003	SD0067	0	0	17,100	0.05 *J*	2.6	516	0.27	28.0	8.01	17.4	1.2 *U*
PHASE1RA	TP-REF-4	7/20/2003	SD0069	0	0	3,730	0.09 *J*	7.4	121	0.29	9.57	1.83	7.99	1.2 *U*
PHASE1RA	TP-REF-5	7/20/2003	SD0062	0	0	11,700	0.03 *J*	3.1	508	0.36	26.1	11.7	14.9	1.2 *U*

Table C-10. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PHASE1RA	TP-REF-1	7/20/2003	SD0071	0	0	43,700	20.3	1,870	0.07	0.84	70.3	3.1	0.18	25.4
PHASE1RA	TP-REF-2	7/20/2003	SD0070	0	0	19,800	7.48	316	0.03	0.46	33.2	0.5 *J*	0.06	8.8
PHASE1RA	TP-REF-3	7/20/2003	SD0067	0	0	17,900	10.5	132	0.04	0.48	42.2	0.7 *J*	0.12	13.5
PHASE1RA	TP-REF-4	7/20/2003	SD0069	0	0	33,900	8.96	15.9	0.07	1.35	12	1 *J*	0.03 *U*	4.2
PHASE1RA	TP-REF-5	7/20/2003	SD0062	0	0	20,400	10.7	242	0.06	0.38	37.2	0.6 *J*	0.1	8.9

Table C-10. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PHASE1RA	TP-REF-1	7/20/2003	SD0071	0	0	0.142	2.9 *U*	25.5	138
PHASE1RA	TP-REF-2	7/20/2003	SD0070	0	0	0.056	2.4 *U*	14.9	65.4
PHASE1RA	TP-REF-3	7/20/2003	SD0067	0	0	0.174	2.2 *U*	36.5	88.7
PHASE1RA	TP-REF-4	7/20/2003	SD0069	0	0	0.067	6.30 *U*	94.5	23.4
PHASE1RA	TP-REF-5	7/20/2003	SD0062	0	0	0.139	2.1 *U*	32.5	68.2

Note: *J* - estimated
U - undetected at detection limit shown

Table C-11. Analytical results for pond surface water samples (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (µg/L unfiltered)	Arsenic (µg/L unfiltered)	Barium (µg/L unfiltered)	Cadmium (µg/L unfiltered)	Calcium (µg/L unfiltered)
PHASE1RA	TP1-0100	7/22/2003	SW0039	0	0	382,000	11.4	0.2	0.6	70.3	0.27	90,000
PHASE1RA	TP1-1000	7/19/2003	SW0032	0	0	10,300	143	0.09	0.4 *J*	39.4	0.06	2,190
PHASE1RA	TP2-0100	7/19/2003	SW0031	0	0	19,600	75.0	0.03 *J*	0.5 *J*	46.8	0.02	4,000
PHASE1RA	TP2-1000	7/19/2003	SW0029	1	0	19,300	180	0.02 *U*	1.7	74.5	0.07	4,250
PHASE1RA	TP2-1000	7/19/2003	SW0029	2	0	19,100	173	0.02 *U*	0.9 *J*	72.6	0.05	4,190

Table C-11. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Chromium (µg/L unfiltered)	Cobalt (µg/L unfiltered)	Copper (µg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (µg/L unfiltered)	Lead (µg/L unfiltered)	Magnesium (µg/L unfiltered)
PHASE1RA	TP1-0100	7/22/2003	SW0039	0	0	0.44	0.88	0.4 *J*	0.06 *J*	1,030	1.63	38,100
PHASE1RA	TP1-1000	7/19/2003	SW0032	0	0	1.56	1.56	1	0.02 *J*	1,220	1.06	1,170
PHASE1RA	TP2-0100	7/19/2003	SW0031	0	0	1.6	0.13	1.1	0.02 *J*	685	0.44	2,340
PHASE1RA	TP2-1000	7/19/2003	SW0029	1	0	6.31	0.49	2.6 *J*	0.03 *J*	1,140	0.68	2,110
PHASE1RA	TP2-1000	7/19/2003	SW0029	2	0	4.16	0.47	2.8	0.03 *J*	1,160	0.65	2,090

Table C-11. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Manganese (µg/L unfiltered)	Mercury (µg/L unfiltered)	Molybdenum (µg/L unfiltered)	Nickel (µg/L unfiltered)	Selenium (µg/L unfiltered)	Silver (µg/L unfiltered)
PHASE1RA	TP1-0100	7/22/2003	SW0039	0	0	132	0.05 *U*	0.09 *J*	4.99	0.2 *U*	0.005 *U*
PHASE1RA	TP1-1000	7/19/2003	SW0032	0	0	63.7	0.05 *U*	0.02 *U*	3.96	0.2 *U*	0.005 *U*
PHASE1RA	TP2-0100	7/19/2003	SW0031	0	0	2.87	0.05 *U*	0.05 *J*	2.96	0.2 *U*	0.005 *U*
PHASE1RA	TP2-1000	7/19/2003	SW0029	1	0	17.4	0.05 *U*	0.09 *J*	5.41	0.2 *U*	0.01 *U*
PHASE1RA	TP2-1000	7/19/2003	SW0029	2	0	13.3	0.05 *U*	0.06 *J*	5.21	0.2 *U*	0.01 *U*

Table C-11. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Strontium (µg/L unfiltered)	Thallium (µg/L unfiltered)	Tin (µg/L unfiltered)	Vanadium (µg/L unfiltered)	Zinc (µg/L unfiltered)
PHASE1RA	TP1-0100	7/22/2003	SW0039	0	0	422	0.01 *J*	30 *J*	0.24	99
PHASE1RA	TP1-1000	7/19/2003	SW0032	0	0	12.4	0.003 *U*	10 *U*	0.28	30.6
PHASE1RA	TP2-0100	7/19/2003	SW0031	0	0	10.4	0.003 *U*	10 *U*	0.31	6.08
PHASE1RA	TP2-1000	7/19/2003	SW0029	1	0	11.6	0.005 *U*	10 *U*	0.65	11
PHASE1RA	TP2-1000	7/19/2003	SW0029	2	0	11.6	0.005 *U*	10 *U*	0.63	10.6

Note: *J* - estimated
U - undetected at detection limit shown

[a] All hardness values have been calculated from calcium and magnesium as: (2.497 * [Ca] + 4.118 * [Mg]) where calcium and magnesium are reported in mg/L, except where otherwise noted.

Table C-12. Analytical results for pond surface water samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (µg/L unfiltered)	Arsenic (µg/L unfiltered)	Barium (µg/L unfiltered)	Cadmium (µg/L unfiltered)	Calcium (µg/L unfiltered)
PHASE1RA	TP-REF-2	7/20/2003	SW0038	0	0	34,400	14.5	0.02 *J*	0.5 *J*	133	0.005 *U*	7,770
PHASE1RA	TP-REF-3	7/20/2003	SW0036	0	0	12,300	91.2	0.1	0.9	48.4	0.06	3,320
PHASE1RA	TP-REF-5	7/20/2003	SW0033	0	0	27,900	170	0.05 *J*	0.5 *J*	93.5	0.05	5,560

Table C-12. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Chromium (µg/L unfiltered)	Cobalt (µg/L unfiltered)	Copper (µg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (µg/L unfiltered)	Lead (µg/L unfiltered)	Magnesium (µg/L unfiltered)
PHASE1RA	TP-REF-2	7/20/2003	SW0038	0	0	0.18 *J*	0.21	0.7 *J*	0.05 *J*	361	0.06	3,650
PHASE1RA	TP-REF-3	7/20/2003	SW0036	0	0	0.72	0.19	2.5	0.01 *U*	562	0.5	984
PHASE1RA	TP-REF-5	7/20/2003	SW0033	0	0	1.98	0.70	2.5	0.02 *J*	1,500	0.56	3,400

Table C-12. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Manganese (µg/L unfiltered)	Mercury (µg/L unfiltered)	Molybdenum (µg/L unfiltered)	Nickel (µg/L unfiltered)	Selenium (µg/L unfiltered)	Silver (µg/L unfiltered)	Strontium (µg/L unfiltered)
PHASE1RA	TP-REF-2	7/20/2003	SW0038	0	0	20.8	0.05 *U*	0.02 *U*	2.11	0.5 *J*	0.005 *U*	27.5
PHASE1RA	TP-REF-3	7/20/2003	SW0036	0	0	4.22	0.05 *U*	0.22	2.36	0.2 *U*	0.04	10.6
PHASE1RA	TP-REF-5	7/20/2003	SW0033	0	0	71.2	0.05 *U*	0.05 *J*	6.41	0.3 *J*	0.005 *U*	18.1

Table C-12. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (µg/L unfiltered)	Tin (µg/L unfiltered)	Vanadium (µg/L unfiltered)	Zinc (µg/L unfiltered)
PHASE1RA	TP-REF-2	7/20/2003	SW0038	0	0	0.003 *U*	10 *U*	0.17 *J*	0.59
PHASE1RA	TP-REF-3	7/20/2003	SW0036	0	0	0.04	10 *U*	2.41	2.87
PHASE1RA	TP-REF-5	7/20/2003	SW0033	0	0	0.003 *U*	10 *U*	0.89	5.01

Note: *J* - estimated
U - undetected at detection limit shown

[a] All hardness values have been calculated from calcium and magnesium as: (2.497 * [Ca] + 4.118 * [Mg]) where calcium and magnesium are reported in mg/L, except where otherwise noted.

Table C-13. Analytical results for lagoon sediment samples (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PHASE1RA	IP-01	7/24/2003	SD0077	0	0	12,000	0.23	8.3	146 *J*	0.71	27.2	11.8	20.5	8.6 *J*
PHASE1RA	IP-02	7/24/2003	SD0078	0	0	7,330	0.12	7.3	350 *J*	0.3	13.8	9.02	10.6	0.95 *U*
PHASE1RA	IP-03	7/24/2003	SD0079	0	0	10,800	0.21	17.9	281 *J*	0.72	23	9.34	28.2	5.1 *J*
PHASE1RA	IP-04	7/24/2003	SD0080	0	0	2,450	0.10	5.7	54.1 *J*	0.03	4.14	4.54	3	0.95 *U*
PSCHAR	NLF	8/23/2002	NLF	1	0					0.60 *U*				
PSCHAR	NLF	8/23/2002	NLF	2	0					0.50 *U*				
PHASE1RA	NLF	7/18/2003	SD0050	0	0	2,540	0.070 *J*	5.9	218 *J*	0.080 *J*	4.08	3.85	6.47	1.2 *U*
PSCHAR	NLG	8/23/2002	NLG	0	0					0.60 *U*				
PSCHAR	NLH	9/17/2002	NLH-SD	0	0					0.55 *U*				
PSCHAR	NLJ	9/17/2002	NLJ-SD	0	0					2.6 *U*				
PSCHAR	NLK	8/23/2002	NLK	0	0					1.5				
PHASE1RA	NLK	7/18/2003	SD0048	1	0	15,300	0.11 *J*	5.7	347 *J*	0.84 *J*	18.3	8.17	20.8	1.2 *U*
PHASE1RA	NLK	7/18/2003	SD0048	2	0	13,300	0.080 *J*	4.9	297 *J*	0.55 *J*	17.4	7.11	17.4	1.2 *U*
PSCHAR	PLNL	8/23/2002	PLNL	0	0					8.1				
PHASE1RA	PLNL	7/22/2003	SD0076	0	0	3,350	0.18	6	216 *J*	1.01	6.54	4.32	7.46	0.95 *U*
PSCHAR	PLNM	8/23/2002	PLNM	0	0					3.3				
PSCHAR	PLNN	9/17/2002	PLNN-SD	0	0					0.55 *U*				
PHASE1RA	PLNN	7/22/2003	SD0075	0	0	7,820	0.27	6	288 *J*	1.96	14	6.66	18.2	0.95 *U*
PSCHAR	PLNO	8/23/2002	PLNO	0	0					0.90 *U*				
PSCHAR	PLNP	9/17/2002	PLNP-SD	0	0					0.55 *U*				
PSCHAR	PLSA	8/18/2002	PLSA	0	0					0.4 *U*				
PSCHAR	PLSB	9/17/2002	PLSB-SD	0	0					0.60 *U*				
PSCHAR	PLSC	8/20/2002	PLSC	1	0					1.9				
PSCHAR	PLSC	8/20/2002	PLSC	2	0					4.1				
PSCHAR	PLSD	8/20/2002	PLSD	0	0					0.5 *U*				
PSCHAR	PLSE	8/20/2002	PLSE	0	0					0.65 *U*				
PSCHAR	PLSX	9/17/2002	PLSX-SD	0	0					0.60 *U*				
PSCHAR	PLSY	9/17/2002	PLSY-SD	0	0					0.60 *U*				
PSCHAR	PLSZ	8/20/2002	PLSZ	0	0					0.60 *U*				

Table C-13. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PHASE1RA	IP-01	7/24/2003	SD0077	0	0	45,000	19.8	97.9	0.064	3.1	39	1.6 *J*	0.19	64.3
PHASE1RA	IP-02	7/24/2003	SD0078	0	0	19,700	10.6	115	0.039	0.83	32.6	1	0.1	32.7
PHASE1RA	IP-03	7/24/2003	SD0079	0	0	75,000	20.6	157	0.068	3.39	33.8	2.2 *J*	0.27	108
PHASE1RA	IP-04	7/24/2003	SD0080	0	0	18,400	4.66	153	0.0040 *U*	0.6	12	0.1 *U*	0.02	10.4
PSCHAR	NLF	8/23/2002	NLF	1	0		13							
PSCHAR	NLF	8/23/2002	NLF	2	0		10.5 *U*							
PHASE1RA	NLF	7/18/2003	SD0050	0	0	10,100	5.86	274 *J*	0.01 *J*	0.41	15.3 *J*	0.3 *J*	0.03	29.8
PSCHAR	NLG	8/23/2002	NLG	0	0		11							
PSCHAR	NLH	9/17/2002	NLH-SD	0	0		30.3							
PSCHAR	NLJ	9/17/2002	NLJ-SD	0	0		215							
PSCHAR	NLK	8/23/2002	NLK	0	0		64.2							
PHASE1RA	NLK	7/18/2003	SD0048	1	0	17,900	35	224 *J*	0.07	1.31	26.4 *J*	1.3	0.14	74.1
PHASE1RA	NLK	7/18/2003	SD0048	2	0	16,000	21.2	174 *J*	0.06	1.28	23.2 *J*	1.1	0.12	64.3
PSCHAR	PLNL	8/23/2002	PLNL	0	0		302							
PHASE1RA	PLNL	7/22/2003	SD0076	0	0	15,400	29.4	143	0.038	0.54	15.2	0.60 *J*	0.08	24.9
PSCHAR	PLNM	8/23/2002	PLNM	0	0		77.0							
PSCHAR	PLNN	9/17/2002	PLNN-SD	0	0		8.6							
PHASE1RA	PLNN	7/22/2003	SD0075	0	0	16,600	58.8	126	0.096	1	20.6	1 *J*	0.14	74.8
PSCHAR	PLNO	8/23/2002	PLNO	0	0		47.1							
PSCHAR	PLNP	9/17/2002	PLNP-SD	0	0		31.4							
PSCHAR	PLSA	8/18/2002	PLSA	0	0		8.3							
PSCHAR	PLSB	9/17/2002	PLSB-SD	0	0		6.7							
PSCHAR	PLSC	8/20/2002	PLSC	1	0		79.3							
PSCHAR	PLSC	8/20/2002	PLSC	2	0		124							
PSCHAR	PLSD	8/20/2002	PLSD	0	0		6.1							
PSCHAR	PLSE	8/20/2002	PLSE	0	0		17							
PSCHAR	PLSX	9/17/2002	PLSX-SD	0	0		15							
PSCHAR	PLSY	9/17/2002	PLSY-SD	0	0		6.7							
PSCHAR	PLSZ	8/20/2002	PLSZ	0	0		16							

Table C-13. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PHASE1RA	IP-01	7/24/2003	SD0077	0	0	0.184	2.4 *U*	35.1	156
PHASE1RA	IP-02	7/24/2003	SD0078	0	0	0.056	0.65 *U*	16.8	82.1
PHASE1RA	IP-03	7/24/2003	SD0079	0	0	0.102	2.7 *U*	34.4	138
PHASE1RA	IP-04	7/24/2003	SD0080	0	0	0.018 *J*	1.2 *U*	8.5	51.8
PSCHAR	NLF	8/23/2002	NLF	1	0				155
PSCHAR	NLF	8/23/2002	NLF	2	0				128
PHASE1RA	NLF	7/18/2003	SD0050	0	0	0.022	2.2 *U*	10.6	55.2
PSCHAR	NLG	8/23/2002	NLG	0	0				99.8
PSCHAR	NLH	9/17/2002	NLH-SD	0	0				91.3
PSCHAR	NLJ	9/17/2002	NLJ-SD	0	0				408
PSCHAR	NLK	8/23/2002	NLK	0	0				414
PHASE1RA	NLK	7/18/2003	SD0048	1	0	0.086	6.7 *J*	26.3	210
PHASE1RA	NLK	7/18/2003	SD0048	2	0	0.08	2.3 *U*	25.8	164
PSCHAR	PLNL	8/23/2002	PLNL	0	0				1,590
PHASE1RA	PLNL	7/22/2003	SD0076	0	0	0.034	1.3 *U*	13.6	272
PSCHAR	PLNM	8/23/2002	PLNM	0	0				556
PSCHAR	PLNN	9/17/2002	PLNN-SD	0	0				85.1
PHASE1RA	PLNN	7/22/2003	SD0075	0	0	0.107	1.3 *U*	28.6	368
PSCHAR	PLNO	8/23/2002	PLNO	0	0				161
PSCHAR	PLNP	9/17/2002	PLNP-SD	0	0				148
PSCHAR	PLSA	8/18/2002	PLSA	0	0				36
PSCHAR	PLSB	9/17/2002	PLSB-SD	0	0				67.2
PSCHAR	PLSC	8/20/2002	PLSC	1	0				489
PSCHAR	PLSC	8/20/2002	PLSC	2	0				810
PSCHAR	PLSD	8/20/2002	PLSD	0	0				49
PSCHAR	PLSE	8/20/2002	PLSE	0	0				142
PSCHAR	PLSX	9/17/2002	PLSX-SD	0	0				164
PSCHAR	PLSY	9/17/2002	PLSY-SD	0	0				53.8
PSCHAR	PLSZ	8/20/2002	PLSZ	0	0				134

Note: *J* - estimated
U - undetected at detection limit shown

Table C-14. Analytical results for lagoon sediment samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)	Iron (mg/kg dry)
ENSR91	CLQ	9/1/1991	CLQ	0	0										
ENSR92	CLQ	9/1/1992	CLQ	0	0					3 *U*					
ENSR95	CLQ	8/1/1995	CLQ	0	0										
ENSR96	CLQ	8/1/1996	CLQ	0	0										
PSCHAR	CLQ	8/18/2002	CLQ	0	0					0.4 *U*					
ENSR91	CLR	9/1/1991	CLR	0	0										
ENSR92	CLR	9/1/1992	CLR	0	0					0.5 *U*					
ENSR95	CLR	8/1/1995	CLR	0	0										
ENSR96	CLR	8/1/1996	CLR	0	0										
PSCHAR	CLR	8/18/2002	CLR	0	0					0.4 *U*					
ENSR91	CLS	9/1/1991	CLS	0	0										
ENSR92	CLS	9/1/1992	CLS	0	0					0.5 *U*					
ENSR95	CLS	8/1/1995	CLS	0	0										
ENSR96	CLS	8/1/1996	CLS	0	0										
PSCHAR	CLS	9/17/2002	CLS-SD	1	0					0.55 *U*					
PSCHAR	CLS	9/17/2002	CLS-SD	2	0					0.55 *U*					
ENSR91	CLT	9/1/1991	CLT	0	0										
ENSR92	CLT	9/1/1992	CLT	0	0					0.590 *U*					
ENSR95	CLT	8/1/1995	CLT	0	0										
ENSR96	CLT	8/1/1996	CLT	0	0										
PSCHAR	CLT	9/17/2002	CLT-SD	0	0					1.1 *U*					
ENSR91	CLU	9/1/1991	CLU	0	0										
ENSR92	CLU	9/1/1992	CLU	0	0					3.81 *U*					
ENSR95	CLU	8/1/1995	CLU	0	0										
ENSR96	CLU	8/1/1996	CLU	0	0										
PSCHAR	CLU	8/18/2002	CLU	0	0					0.5 *U*					
PHASE1RA	RL-1-03	7/18/2003	SD0051	0	0	7,440	0.010 *UJ*	2.6	164 *J*	0.18 *J*	12.5	4.97	9.87	1.2 *U*	14,000
PHASE1RA	RL-2-03	7/18/2003	SD0052	0	0	14,800	0.12 *J*	4.9	271 *J*	0.49 *J*	24.9	9.68	18.7	1.2 *U*	21,500
PHASE1RA	RL-3-03	7/18/2003	SD0053	0	0	11,200	0.1 *J*	4.5	243 *J*	0.26 *J*	21.4	5.85	15.5	1.2 *U*	22,200

Table C-14. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)	Thallium (mg/kg dry)
ENSR91	CLQ	9/1/1991	CLQ	0	0	19.2								
ENSR92	CLQ	9/1/1992	CLQ	0	0	20.7 *U*								
ENSR95	CLQ	8/1/1995	CLQ	0	0	4.6								
ENSR96	CLQ	8/1/1996	CLQ	0	0	6								
PSCHAR	CLQ	8/18/2002	CLQ	0	0	11								
ENSR91	CLR	9/1/1991	CLR	0	0	13.7								
ENSR92	CLR	9/1/1992	CLR	0	0	2.4 *U*								
ENSR95	CLR	8/1/1995	CLR	0	0	3.2								
ENSR96	CLR	8/1/1996	CLR	0	0	12								
PSCHAR	CLR	8/18/2002	CLR	0	0	7.7								
ENSR91	CLS	9/1/1991	CLS	0	0	16.3								
ENSR92	CLS	9/1/1992	CLS	0	0	10.1								
ENSR95	CLS	8/1/1995	CLS	0	0	11								
ENSR96	CLS	8/1/1996	CLS	0	0	6								
PSCHAR	CLS	9/17/2002	CLS-SD	1	0	8.6								
PSCHAR	CLS	9/17/2002	CLS-SD	2	0	11.0 *U*								
ENSR91	CLT	9/1/1991	CLT	0	0	10.4								
ENSR92	CLT	9/1/1992	CLT	0	0	4.7 *U*								
ENSR95	CLT	8/1/1995	CLT	0	0	5.6								
ENSR96	CLT	8/1/1996	CLT	0	0	23								
PSCHAR	CLT	9/17/2002	CLT-SD	0	0	14								
ENSR91	CLU	9/1/1991	CLU	0	0	5.1								
ENSR92	CLU	9/1/1992	CLU	0	0	31 *U*								
ENSR95	CLU	8/1/1995	CLU	0	0	7.9								
ENSR96	CLU	8/1/1996	CLU	0	0	18								
PSCHAR	CLU	8/18/2002	CLU	0	0	8.0								
PHASE1RA	RL-1-03	7/18/2003	SD0051	0	0	6.39	75.5 *J*	0.03	0.46	18.7 *J*	0.6 *J*	0.01 *U*	20.9	0.038
PHASE1RA	RL-2-03	7/18/2003	SD0052	0	0	11.8	129 *J*	0.06	0.98	37 *J*	1.4 *J*	0.11	40	0.102
PHASE1RA	RL-3-03	7/18/2003	SD0053	0	0	10.3	95.2 *J*	0.06	0.88	26 *J*	1.3	0.08	34.7	0.103

Table C-14. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
ENSR91	CLQ	9/1/1991	CLQ	0	0			164
ENSR92	CLQ	9/1/1992	CLQ	0	0			370.6
ENSR95	CLQ	8/1/1995	CLQ	0	0			41
ENSR96	CLQ	8/1/1996	CLQ	0	0			50
PSCHAR	CLQ	8/18/2002	CLQ	0	0			64.8
ENSR91	CLR	9/1/1991	CLR	0	0			106
ENSR92	CLR	9/1/1992	CLR	0	0			64.1
ENSR95	CLR	8/1/1995	CLR	0	0			16
ENSR96	CLR	8/1/1996	CLR	0	0			96
PSCHAR	CLR	8/18/2002	CLR	0	0			69.5
ENSR91	CLS	9/1/1991	CLS	0	0			106
ENSR92	CLS	9/1/1992	CLS	0	0			111.9
ENSR95	CLS	8/1/1995	CLS	0	0			96
ENSR96	CLS	8/1/1996	CLS	0	0			50
PSCHAR	CLS	9/17/2002	CLS-SD	1	0			83.9
PSCHAR	CLS	9/17/2002	CLS-SD	2	0			86.8
ENSR91	CLT	9/1/1991	CLT	0	0			70.6
ENSR92	CLT	9/1/1992	CLT	0	0			49.4
ENSR95	CLT	8/1/1995	CLT	0	0			73
ENSR96	CLT	8/1/1996	CLT	0	0			92
PSCHAR	CLT	9/17/2002	CLT-SD	0	0			114
ENSR91	CLU	9/1/1991	CLU	0	0			50.6
ENSR92	CLU	9/1/1992	CLU	0	0			147
ENSR95	CLU	8/1/1995	CLU	0	0			66
ENSR96	CLU	8/1/1996	CLU	0	0			110
PSCHAR	CLU	8/18/2002	CLU	0	0			69.9
PHASE1RA	RL-1-03	7/18/2003	SD0051	0	0	4.2 *J*	16.8	55.5
PHASE1RA	RL-2-03	7/18/2003	SD0052	0	0	2.9 *U*	31.5	130
PHASE1RA	RL-3-03	7/18/2003	SD0053	0	0	5.1 *J*	27.4	75.1

Note: *J* - estimated
U - undetected at detection limit shown

Table C-15. Analytical results for lagoon surface water samples (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (µg/L unfiltered)	Arsenic (µg/L unfiltered)	Barium (µg/L unfiltered)	Cadmium (mg/L unfiltered)	Calcium (µg/L unfiltered)
PHASE1RA	IP-01	7/24/2003	SW0042	0	0		48.2	0.29 *J*	113	233	0.27	102,000
PHASE1RA	IP-02	7/24/2003	SW0043	0	0		80.1	0.28 *J*	92.2	193	0.05 *U*	85,200
PHASE1RA	IP-03	7/24/2003	SW0044	0	0		144	0.21 *J*	55.4	211	0.22	67,500
PHASE1RA	IP-04	7/24/2003	SW0045	0	0		247	0.27 *J*	126	174	0.26	94,800
PHASE1RA	NLF	7/18/2003	SW0025	0	0		19.7	0.21	5.1	115	0.05	38,700
PSCHAR	NLH	9/17/2002	NLH	0	0	200					0.30	
PSCHAR	NLJ	9/17/2002	NLJ	0	0	480					0.20	
PHASE1RA	NLK	7/18/2003	SW0023	1	0		31 *J*	0.19	4.4	113	0.05	40,400
PHASE1RA	NLK	7/18/2003	SW0023	2	0		20.7	0.19	4.5	111	0.05	40,400
PHASE1RA	PLNL	7/22/2003	SW0041	0	0		41.7	0.63	26.3	413	0.11	99,000
PSCHAR	PLNN	9/17/2002	PLNN	0	0	520					0.10	
PHASE1RA	PLNN	7/22/2003	SW0040	0	0		46.4	0.46	27	410	0.04 *J*	101,000
PSCHAR	PLNP	9/17/2002	PLNP	0	0	500					0.10	
PSCHAR	PLSB	9/17/2002	PLSB	0	0	1,100					0.050 *U*	
PSCHAR	PLSX	9/17/2002	PLSX	0	0	1,100					0.050 *U*	

Table C-15. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Chromium (µg/L unfiltered)	Cobalt (µg/L unfiltered)	Copper (µg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (µg/L unfiltered)	Lead (mg/L unfiltered)
PHASE1RA	IP-01	7/24/2003	SW0042	0	0	3.78	1.06	0.9 *J*	0.2	365	0.4
PHASE1RA	IP-02	7/24/2003	SW0043	0	0	3.39	0.69	0.9 *J*	0.2	227	0.47
PHASE1RA	IP-03	7/24/2003	SW0044	0	0	2.57	0.83	1.4	0.1	599	0.5
PHASE1RA	IP-04	7/24/2003	SW0045	0	0	4.49	1.08	1.3	0.2 *J*	674	0.65
PHASE1RA	NLF	7/18/2003	SW0025	0	0	2.03	0.45	1	0.05 *J*	200	0.43
PSCHAR	NLH	9/17/2002	NLH	0	0						0.64
PSCHAR	NLJ	9/17/2002	NLJ	0	0						1.9
PHASE1RA	NLK	7/18/2003	SW0023	1	0	1.74	0.44	1.0 *J*	0.05 *J*	232	0.58
PHASE1RA	NLK	7/18/2003	SW0023	2	0	1.63	0.45	1	0.06 *J*	262	0.55
PHASE1RA	PLNL	7/22/2003	SW0041	0	0	1.98	1.38	0.5 *J*	0.05 *J*	523	1.54
PSCHAR	PLNN	9/17/2002	PLNN	0	0						2.2
PHASE1RA	PLNN	7/22/2003	SW0040	0	0	1.69	1.25	0.7 *J*	0.05 *J*	723	1.54
PSCHAR	PLNP	9/17/2002	PLNP	0	0						2.3
PSCHAR	PLSB	9/17/2002	PLSB	0	0						0.49
PSCHAR	PLSX	9/17/2002	PLSX	0	0						0.50

Table C-15. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Magnesium (µg/L unfiltered)	Manganese (µg/L unfiltered)	Mercury (µg/L unfiltered)	Molybdenum (µg/L unfiltered)	Nickel (µg/L unfiltered)	Selenium (µg/L unfiltered)	Silver (µg/L unfiltered)
PHASE1RA	IP-01	7/24/2003	SW0042	0	0	267,000	33.7	0.05 *U*	2.03	10.6	0.2 *U*	0.11 *J*
PHASE1RA	IP-02	7/24/2003	SW0043	0	0	201,000	30.0	0.05 *U*	1.94 *J*	8.07	0.2 *U*	0.24
PHASE1RA	IP-03	7/24/2003	SW0044	0	0	132,000	57.8	0.05 *U*	1.41	5.83	0.2 *U*	0.12
PHASE1RA	IP-04	7/24/2003	SW0045	0	0	240,000	47.4	0.05 *U*	2.41	10.4	0.3 *J*	0.05 *U*
PHASE1RA	NLF	7/18/2003	SW0025	0	0	50,900	13.9	0.05 *U*	0.38	3.72	0.3 *J*	0.01 *J*
PSCHAR	NLH	9/17/2002	NLH	0	0							
PSCHAR	NLJ	9/17/2002	NLJ	0	0							
PHASE1RA	NLK	7/18/2003	SW0023	1	0	48,600	14.9	0.05 *U*	0.3	3.58	0.2 *J*	0.01 *J*
PHASE1RA	NLK	7/18/2003	SW0023	2	0	48,400	17.5	0.05 *U*	0.34	3.42	0.3 *J*	0.03
PHASE1RA	PLNL	7/22/2003	SW0041	0	0	166,000	200	0.05 *U*	0.59 *J*	7.55	0.3 *J*	0.25
PSCHAR	PLNN	9/17/2002	PLNN	0	0							
PHASE1RA	PLNN	7/22/2003	SW0040	0	0	167,000	277	0.05 *U*	0.5 *J*	7.05	0.6 *J*	0.07
PSCHAR	PLNP	9/17/2002	PLNP	0	0							
PSCHAR	PLSB	9/17/2002	PLSB	0	0							
PSCHAR	PLSX	9/17/2002	PLSX	0	0							

Table C-15. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Strontium (µg/L unfiltered)	Thallium (µg/L unfiltered)	Tin (µg/L unfiltered)	Vanadium (µg/L unfiltered)	Zinc (mg/L unfiltered)
PHASE1RA	IP-01	7/24/2003	SW0042	0	0	1,590	0.03 *U*	10 *U*	0.4 *U*	61.8
PHASE1RA	IP-02	7/24/2003	SW0043	0	0	1,220	0.03 *U*	10 *U*	0.4 *U*	3.09 *J*
PHASE1RA	IP-03	7/24/2003	SW0044	0	0	854	0.07 *J*	10 *U*	0.57 *J*	4.34
PHASE1RA	IP-04	7/24/2003	SW0045	0	0	1,440	0.03 *U*	10 *U*	0.85 *J*	6.03
PHASE1RA	NLF	7/18/2003	SW0025	0	0	519	0.007 *J*	23.7 *J*	0.22	4.36
PSCHAR	NLH	9/17/2002	NLH	0	0					110
PSCHAR	NLJ	9/17/2002	NLJ	0	0					62
PHASE1RA	NLK	7/18/2003	SW0023	1	0	507	0.007 *J*	10 *U*	0.22 *J*	5.8
PHASE1RA	NLK	7/18/2003	SW0023	2	0	503	0.007 *J*	10 *U*	0.38	5.96
PHASE1RA	PLNL	7/22/2003	SW0041	0	0	1,830	0.045 *J*	10 *U*	0.18 *U*	4.98
PSCHAR	PLNN	9/17/2002	PLNN	0	0					35
PHASE1RA	PLNN	7/22/2003	SW0040	0	0	1,850	0.013 *U*	10 *U*	0.47 *J*	4.86
PSCHAR	PLNP	9/17/2002	PLNP	0	0					38
PSCHAR	PLSB	9/17/2002	PLSB	0	0					4.9
PSCHAR	PLSX	9/17/2002	PLSX	0	0					6.3

Note: *J* - estimated
U - undetected at detection limit shown

[a] All hardness values have been calculated from calcium and magnesium as: (2.497 * [Ca] + 4.118 * [Mg]) where calcium and magnesium are reported in mg/L, except where otherwise noted.

Table C-16. Analytical results for lagoon surface water samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (µg/L unfiltered)	Arsenic (µg/L unfiltered)	Barium (µg/L unfiltered)	Cadmium (mg/L unfiltered)	Calcium (µg/L unfiltered)
ENSR92	CLQ	9/1/1992	CLQ1	0	0						0.003 *U*	
ENSR91	CLQ1	9/1/1991	CLQ1	0	0							
ENSR95	CLQ1	8/27/1995	CLQ1	0	0							
ENSR96	CLQ1	8/11/1996	608058-7	0	0							
ENSR92	CLR	9/1/1992	CLR1	0	0						0.003 *U*	
ENSR91	CLR1	9/1/1991	CLR1	0	0							
ENSR95	CLR1	8/27/1995	CLR1	0	0							
ENSR96	CLR1	8/11/1996	608058-9	0	0							
ENSR92	CLS	9/1/1992	CLS1	0	0						0.003 *U*	
PSCHAR	CLS	9/17/2002	CLS	1	0	130					0.000050 *U*	
ENSR91	CLS1	9/1/1991	CLS1	0	0							
ENSR95	CLS1	8/27/1995	CLS1	0	0							
ENSR96	CLS1	8/11/1996	608058-11	0	0							
ENSR92	CLT	9/1/1992	CLT1	0	0						0.003 *U*	
PSCHAR	CLT	9/17/2002	CLT	0	0	93					0.000050 *U*	
ENSR91	CLT1	9/1/1991	CLT1	0	0							
ENSR95	CLT1	8/27/1995	CLT1	0	0							
ENSR96	CLT1	8/11/1996	608058-16	0	0							
ENSR92	CLU	9/1/1992	CLU1	1	0						0.003 *U*	
ENSR92	CLU	9/1/1992	CLU1	2	0						0.003 *U*	
ENSR91	CLU1	9/1/1991	CLU1	1	0							
ENSR91	CLU1	9/1/1991	CLU1	2	0							
ENSR95	CLU1	8/27/1995	CLU1	0	0							
ENSR96	CLU1	8/11/1996	608058-18	0	0							
PHASE1RA	RL-1-03	7/18/2003	SW0026	0	0		57.7	0.12	52.9	156	0.00018	71,300
PHASE1RA	RL-2-03	7/18/2003	SW0027	0	0		53.5	0.11	77.2	168	0.00023	72,700
PHASE1RA	RL-3-03	7/18/2003	SW0028	0	0		434	0.13	98.8	144	0.00026	109,000

Table C-16. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Chromium (µg/L unfiltered)	Cobalt (µg/L unfiltered)	Copper (µg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (µg/L unfiltered)	Lead (mg/L unfiltered)	Magnesium (µg/L unfiltered)
ENSR92	CLQ	9/1/1992	CLQ1	0	0						0.0010 *U*	
ENSR91	CLQ1	9/1/1991	CLQ1	0	0						0.2 *U*	
ENSR95	CLQ1	8/27/1995	CLQ1	0	0						0.002 *U*	
ENSR96	CLQ1	8/11/1996	608058-7	0	0						0.002 *U*	
ENSR92	CLR	9/1/1992	CLR1	0	0						0.003	
ENSR91	CLR1	9/1/1991	CLR1	0	0						0.2 *U*	
ENSR95	CLR1	8/27/1995	CLR1	0	0						0.002 *U*	
ENSR96	CLR1	8/11/1996	608058-9	0	0						0.0049	
ENSR92	CLS	9/1/1992	CLS1	0	0						0.003	
PSCHAR	CLS	9/17/2002	CLS	1	0						0.000095	
ENSR91	CLS1	9/1/1991	CLS1	0	0						0.2 *U*	
ENSR95	CLS1	8/27/1995	CLS1	0	0						0.0059	
ENSR96	CLS1	8/11/1996	608058-11	0	0						0.002 *U*	
ENSR92	CLT	9/1/1992	CLT1	0	0						0.003	
PSCHAR	CLT	9/17/2002	CLT	0	0						0.00024	
ENSR91	CLT1	9/1/1991	CLT1	0	0						0.2 *U*	
ENSR95	CLT1	8/27/1995	CLT1	0	0						0.002 *U*	
ENSR96	CLT1	8/11/1996	608058-16	0	0						0.002 *U*	
ENSR92	CLU	9/1/1992	CLU1	1	0						0.003	
ENSR92	CLU	9/1/1992	CLU1	2	0						0.002	
ENSR91	CLU1	9/1/1991	CLU1	1	0						0.2 *U*	
ENSR91	CLU1	9/1/1991	CLU1	2	0						0.2 *U*	
ENSR95	CLU1	8/27/1995	CLU1	0	0						0.002 *U*	
ENSR96	CLU1	8/11/1996	608058-18	0	0						0.002 *U*	
PHASE1RA	RL-1-03	7/18/2003	SW0026	0	0	5.96	3.7	0.4 *J*	0.02 *J*	299	0.00011	188,000
PHASE1RA	RL-2-03	7/18/2003	SW0027	0	0	7.29	4.13	0.6 *J*	0.01 *U*	290	0.00013	190,000
PHASE1RA	RL-3-03	7/18/2003	SW0028	0	0	8.22	5.35	1.4	0.01 *U*	693	0.00085	288,000

Table C-16. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Manganese (µg/L unfiltered)	Mercury (µg/L unfiltered)	Molybdenum (µg/L unfiltered)	Nickel (µg/L unfiltered)	Selenium (µg/L unfiltered)	Silver (µg/L unfiltered)	Strontium (µg/L unfiltered)	Thallium (µg/L unfiltered)
ENSR92	CLQ	9/1/1992	CLQ1	0	0								
ENSR91	CLQ1	9/1/1991	CLQ1	0	0								
ENSR95	CLQ1	8/27/1995	CLQ1	0	0								
ENSR96	CLQ1	8/11/1996	608058-7	0	0								
ENSR92	CLR	9/1/1992	CLR1	0	0								
ENSR91	CLR1	9/1/1991	CLR1	0	0								
ENSR95	CLR1	8/27/1995	CLR1	0	0								
ENSR96	CLR1	8/11/1996	608058-9	0	0								
ENSR92	CLS	9/1/1992	CLS1	0	0								
PSCHAR	CLS	9/17/2002	CLS	1	0								
ENSR91	CLS1	9/1/1991	CLS1	0	0								
ENSR95	CLS1	8/27/1995	CLS1	0	0								
ENSR96	CLS1	8/11/1996	608058-11	0	0								
ENSR92	CLT	9/1/1992	CLT1	0	0								
PSCHAR	CLT	9/17/2002	CLT	0	0								
ENSR91	CLT1	9/1/1991	CLT1	0	0								
ENSR95	CLT1	8/27/1995	CLT1	0	0								
ENSR96	CLT1	8/11/1996	608058-16	0	0								
ENSR92	CLU	9/1/1992	CLU1	1	0								
ENSR92	CLU	9/1/1992	CLU1	2	0								
ENSR91	CLU1	9/1/1991	CLU1	1	0								
ENSR91	CLU1	9/1/1991	CLU1	2	0								
ENSR95	CLU1	8/27/1995	CLU1	0	0								
ENSR96	CLU1	8/11/1996	608058-18	0	0								
PHASE1RA	RL-1-03	7/18/2003	SW0026	0	0	492	0.05 *U*	0.07 *J*	9.19	0.2 *U*	0.03	991	0.006 *J*
PHASE1RA	RL-2-03	7/18/2003	SW0027	0	0	502	0.05 *U*	0.08 *J*	10.1	0.2 *U*	0.02	1,010	0.009 *J*
PHASE1RA	RL-3-03	7/18/2003	SW0028	0	0	801	0.05 *U*	0.09 *J*	15.2	0.2 *U*	0.02	1,470	0.009 *J*

Table C-16. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Tin (µg/L unfiltered)	Vanadium (µg/L unfiltered)	Zinc (mg/L unfiltered)
ENSR92	CLQ	9/1/1992	CLQ1	0	0			0.024
ENSR91	CLQ1	9/1/1991	CLQ1	0	0			0.04 *U*
ENSR95	CLQ1	8/27/1995	CLQ1	0	0			0.005 *U*
ENSR96	CLQ1	8/11/1996	608058-7	0	0			0.011
ENSR92	CLR	9/1/1992	CLR1	0	0			0.026
ENSR91	CLR1	9/1/1991	CLR1	0	0			0.04 *U*
ENSR95	CLR1	8/27/1995	CLR1	0	0			0.005 *U*
ENSR96	CLR1	8/11/1996	608058-9	0	0			0.005 *U*
ENSR92	CLS	9/1/1992	CLS1	0	0			0.01 *U*
PSCHAR	CLS	9/17/2002	CLS	1	0			0.017
ENSR91	CLS1	9/1/1991	CLS1	0	0			0.04 *U*
ENSR95	CLS1	8/27/1995	CLS1	0	0			0.027
ENSR96	CLS1	8/11/1996	608058-11	0	0			0.01
ENSR92	CLT	9/1/1992	CLT1	0	0			0.029
PSCHAR	CLT	9/17/2002	CLT	0	0			0.021
ENSR91	CLT1	9/1/1991	CLT1	0	0			0.04 *U*
ENSR95	CLT1	8/27/1995	CLT1	0	0			0.005 *U*
ENSR96	CLT1	8/11/1996	608058-16	0	0			0.016
ENSR92	CLU	9/1/1992	CLU1	1	0			0.01 *U*
ENSR92	CLU	9/1/1992	CLU1	2	0			0.027
ENSR91	CLU1	9/1/1991	CLU1	1	0			0.04 *U*
ENSR91	CLU1	9/1/1991	CLU1	2	0			0.04 *U*
ENSR95	CLU1	8/27/1995	CLU1	0	0			0.005 *U*
ENSR96	CLU1	8/11/1996	608058-18	0	0			0.017
PHASE1RA	RL-1-03	7/18/2003	SW0026	0	0	10 *U*	0.4 *U*	0.0175
PHASE1RA	RL-2-03	7/18/2003	SW0027	0	0	10 *U*	0.4 *U*	0.021
PHASE1RA	RL-3-03	7/18/2003	SW0028	0	0	10 *U*	0.4 *U*	0.0301

Note: *J* - estimated
U - undetected at detection limit shown

[a] All hardness values have been calculated from calcium and magnesium as: (2.497 * [Ca] + 4.118 * [Mg]) where calcium and magnesium are reported in mg/L, except where otherwise noted.

Table C-17. Analytical results for marine sediment samples (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Beryllium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
CORPS00	01SD	8/26/2000	01SD	0	0		6.5 *U*	7.3	150	0.18 *J*	2.3	22		6.5	
CORPS00	02SD	8/26/2000	02SD	0	0		6.0 *U*	10	150	0.15 *J*	2.4	20		7.1	
CORPS00	03SD	8/26/2000	03SD	0	0		6.0 *U*	8.3	160	0.15 *J*	2	20		6.3	
CORPS00	04SD	8/26/2000	04SD	0	0		6.5 *U*	5.7	180	0.17 *J*	2.1	22		8.8	
CORPS00	05SD	8/26/2000	05SD	0	0		6.0 *U*	6.7	180	0.19 *J*	2.2	23		8.7	
CORPS00	06SD	8/26/2000	06SD	0	0		6.0 *U*	6.1	170	0.18 *J*	2.3	22		8.5	
CORPS00	07SD	8/26/2000	07SD	0	0		6.5 *U*	7.6	180	0.17 *J*	2.2	20		8.3	
CORPS00	08SD	8/26/2000	08SD	0	0		6.5 *U*	4.7	200	0.14 *J*	1.9	20		6.1	
CORPS00	09SD	8/26/2000	09SD	0	0		6.5 *U*	9.1	200	0.27 *U*	2.1	20		5.9	
CORPS00	10SD	8/26/2000	10SD	0	0		7.0 *U*	3.7	220	0.18 *J*	2.3	25		8.5	
CORPS00	11SD	8/27/2000	11SD	0	0		6.5 *U*	7.6	260	0.27 *U*	2.3	20		6.1	
CORPS00	12SD	8/27/2000	12SD	0	0		6.5 *U*	8.2	250	0.14 *J*	2	21		6.2	
CORPS00	13SD	8/27/2000	13SD	0	0		5.5 *U*	8.7	280	0.2 *J*	2.2	22		7.4	
CORPS00	14SD	8/27/2000	14SD	0	0		6.5 *U*	6.6	390	0.16 *J*	2.4	23		6.8	
CORPS00	15SD	8/27/2000	15SD	0	0		7.0 *U*	10	330	0.15 *J*	2.4	22		6.7	
CORPS00	16SD	8/27/2000	16SD	0	0		6.0 *U*	8.7	280	0.17 *J*	2.5	22		6.7	
CORPS00	17SD	8/27/2000	17SD	0	0		6.5 *U*	10	220	0.16 *J*	2.3	21		7.8	
CORPS00	18SD	8/27/2000	18SD	0	0		5.5 *U*	7.5	250	0.12 *J*	1.9	18		5.6	
CORPS00	19SD	8/27/2000	19SD	0	0		6.5 *U*	7.2	220	0.16 *J*	2.3	21		7.4	
CORPS00	20SD	8/25/2000	20SD	0	0		5 *U*	6.3	140	0.12 *J*	0.91	12		12	
CORPS00	21SD	8/25/2000	21SD	0	0		4.8 *U*	5.5	390	0.11 *J*	1	8.8		5.1 *J*	
CORPS00	22SD	8/25/2000	22SD	0	0		5.0 *U*	7.6	140	0.21 *U*	1.1	7.2		4.3 *J*	
CORPS00	23SD	8/25/2000	23SD	0	0		5.0 *U*	8.3	250	0.13 *J*	1.2	8.7		5.3 *J*	
DMTP98	BI-1-98	7/1/1998	BI-1-98	0	0			8.7	96.6		0.05	8.1		8.8	
DMTP98	BI-2-98	7/1/1998	BI-2-98	0	0			7.0	214		0.07	12.2		5.4	
DMTP98	BI-3-98	7/1/1998	BI-3-98	0	0			8.1	196		0.08	13.6		7.8	
DMTP98	BI-4-98	7/1/1998	BI-4-98	0	0			5.9	198		0.10	10.7		6.9	
DMTP98	BI-5-98	7/1/1998	BI-5-98	0	0			7.4	255		0.09	16.3		8.9	
DMTP98	BI-6-98	7/1/1998	BI-6-98	0	0			5.8	144		0.18	12.8		10.3	
DMTP98	BI-D1-98	7/1/1998	BI-D1-98	0	0			7.0	161		0.09	14.4		6.5	
DMTP98	BI-D2-98	7/1/1998	BI-D2-98	0	0			6.8	170		0.08	14.7		6.1	
DMTP98	BI-D3-98	7/1/1998	BI-D3-98	0	0			6.4	151		0.07	15.9		8.0	
DMTP98	BI-D4-98	7/1/1998	BI-D4-98	0	0			6.7	115		0.05	10.8		5.7	
DMTP98	BI-D5-98	7/1/1998	BI-D5-98	0	0			7.4	126		0.05	12.3		6.0	
DMTP98	BI-D6-98	7/1/1998	BI-D6-98	0	0			6.1	124		0.09	13.2		8.5	
DMTP98	BU-4-98	7/1/1998	BU-4-98	0	0			8.0	162		0.17	12.2		7.3	
DMTP98	BU-5-98	7/1/1998	BU-5-98	0	0			5.9	142		0.17	12.5		9.0	
DMTP98	BU-6-98	7/1/1998	BU-6-98	0	0			7.2	130		0.21	11.9		7.8	
DMTP98	DC-11-98	7/1/1998	DC-11-98	0	0			9.7	183		0.08	17.1		10.2	
DMTP98	DC-12-98	7/1/1998	DC-12-98	0	0			7.2	268		0.09	17.1		8.4	
DMTP98	DC-5-98	7/1/1998	DC-5-98	0	0			5.7	228		0.09	14.5		8.0	

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Beryllium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
DMTP98	DC-6-98	7/1/1998	DC-6-98	0	0			6.0	253		0.09	15.8		9.5	
DMTP98	DC-7-98	7/1/1998	DC-7-98	0	0			7.0	239		0.08	15.9		8.3	
DMTP98	DC-8-98	7/1/1998	DC-8-98	0	0			5.4	202		0.10	13.1		8.8	
PSCHAR	NMA	8/22/2002	NMA	0	0						0.55 *U*				
PHASE1RA	NMA	6/22/2003	SD0002	0	0						0.07				
PHASE1RA	NMA	9/16/2003	SD0113	0	0						0.04 *J*				
PSCHAR	NMAA	8/18/2002	NMAA	0	0						1.8				
PHASE1RA	NMAA	6/23/2003	SD0008	0	0	5,470	0.14	7.5 *J*	339		0.07	11.4	8.32	5.42	1 *J*
PHASE1RA	NMAA	9/15/2003	SD0096	0	0	6,070	0.07 *J*	10	331		0.08	11.3 *J*	7.77	5.43	1 *J*
PSCHAR	NMB	8/22/2002	NMB	1	0						0.65 *U*				
PSCHAR	NMB	8/22/2002	NMB	2	0	2,940	6.5 *U*	14 *U*	226		0.65 *U*	8.0	5.8	10.3	
PHASE1RA	NMB	6/22/2003	SD0001	0	0	4,480	0.11	5.7 *J*	239		0.2	9.81	5.99	7.45	
PHASE1RA	NMB	9/16/2003	SD0112	0	0						0.05 *J*				
PSCHAR	NMC	8/18/2002	NMC	1	0						0.65 *U*				
PSCHAR	NMC	8/18/2002	NMC	2	0						0.7				
PHASE1RA	NMC	6/23/2003	SD0015	0	0						0.83				
PHASE1RA	NMC	9/16/2003	SD0111	0	0						0.09				
PSCHAR	NMD	8/22/2002	NMD	0	0						0.5 *U*				
PHASE1RA	NMD	6/24/2003	SD0024	0	0						1.35				
PHASE1RA	NMD	9/16/2003	SD0109	0	0						0.09				
PSCHAR	NME	8/22/2002	NME	0	0						0.55 *U*				
PHASE1RA	NME	6/22/2003	SD0003	0	0						0.09				
PHASE1RA	NME	9/15/2003	SD0090	0	0						0.04 *J*				
PSCHAR	NMF	8/22/2002	NMF	0	0						0.60 *U*				
PHASE1RA	NMF	6/22/2003	SD0004	1	0						0.11				
PHASE1RA	NMF	6/22/2003	SD0004	2	0						0.09				
PHASE1RA	NMF	9/15/2003	SD0091	0	0						0.1				
PSCHAR	NMG	8/22/2002	NMG	0	0						0.75 *U*				
PHASE1RA	NMG	6/26/2003	SD0032	0	0	5,610	0.14 *J*	7.2	327		0.12	10.4	6.72	5.06	1.4
PHASE1RA	NMG	9/15/2003	SD0092	0	0	5,100	0.08 *J*	6.9	330		0.09	12.7 *J*	7.89	5.48	1.1 *J*
PSCHAR	NMGZ	8/22/2002	NMGZ	0	0						0.5 *U*				
PHASE1RA	NMGZ	6/24/2003	SD0023	0	0						2.27				
PHASE1RA	NMGZ	9/16/2003	SD0110	0	0						0.04 *J*				
PSCHAR	NMH	8/18/2002	NMH	0	0						0.60 *U*				
PHASE1RA	NMH	6/26/2003	SD0036	0	0						0.02 *U*				
PHASE1RA	NMH	9/14/2003	SD0089	0	0						0.07 *J*				
PSCHAR	NMJ	8/22/2002	NMJ	0	0						0.55 *U*				
PHASE1RA	NMJ	6/23/2003	SD0014	0	0						0.09				
PHASE1RA	NMJ	9/15/2003	SD0100	0	0						0.05 *J*				
PSCHAR	NMK	8/22/2002	NMK	0	0						0.60 *U*				
PHASE1RA	NMK	6/23/2003	SD0013	0	0	4,250	0.05 *U*	7.4 *J*	391		0.07	10.2	5.88	5.84	1.2 *J*

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Beryllium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PHASE1RA	NMK	9/15/2003	SD0099	0	0	5,810	0.06 *J*	6.7	443		0.08	11.1 *J*	6.31	5.2	1 *J*
PSCHAR	NML	8/22/2002	NML	0	0						0.5 *U*				
PHASE1RA	NML	6/24/2003	SD0025	0	0	2,590	4.59 *J*	14.5	160		52.9	7.6	6.75	34.8	0.4
PHASE1RA	NML	9/16/2003	SD0108	0	0	1,990	0.09 *J*	8.8	127		0.12	4.97	3.15	5.52	0.5 *J*
PSCHAR	NMM	8/22/2002	NMM	0	0						0.5 *U*				
PHASE1RA	NMM	6/24/2003	SD0026	0	0						0.85				
PHASE1RA	NMM	9/14/2003	SD0083	0	0						4.5				
PSCHAR	NMN	8/22/2002	NMN	0	0						0.55 *U*				
PHASE1RA	NMN	6/23/2003	SD0012	0	0	4,710	0.12	8 *J*	346		0.19	10.6	6.92	6.1	1.1 *J*
PHASE1RA	NMN	9/14/2003	SD0084	0	0	4,030	0.08 *J*	7.1	281		0.07	8.49 *J*	5.68	4.83	1.2 *J*
PSCHAR	NMO	8/22/2002	NMO	0	0						0.55 *U*				
PHASE1RA	NMO	6/23/2003	SD0010	1	0	5,620	0.12	7.7 *J*	379		0.15	13.9	8.89	6.08	1.4 *J*
PHASE1RA	NMO	6/23/2003	SD0010	2	0	5,620	0.11	7.5 *J*	385		0.17	13.9	8.84	6.09	1.4 *J*
PHASE1RA	NMO	9/14/2003	SD0085	1	0	4,960	0.07 *J*	7	241		0.10	9.7 *J*	6.56	4.60	1.2 *J*
PHASE1RA	NMO	9/14/2003	SD0085	2	0	5,100	0.07 *J*	6.2	260		0.11	8.95 *J*	6.09	4.33	1.2 *J*
PSCHAR	NMP	8/22/2002	NMP	1	0						0.55 *U*				
PSCHAR	NMP	8/22/2002	NMP	2	0						0.60 *U*				
PHASE1RA	NMP	6/23/2003	SD0007	0	0						0.18				
PHASE1RA	NMP	9/15/2003	SD0097	1	0						0.09				
PHASE1RA	NMP	9/15/2003	SD0097	2	0						0.1				
PSCHAR	NMQ	8/22/2002	NMQ	0	0						0.5 *U*				
PHASE1RA	NMQ	6/25/2003	SD0027	0	0						0.06				
PHASE1RA	NMQ	9/14/2003	SD0088	0	0						0.08				
PSCHAR	NMS	8/22/2002	NMS	0	0						0.55 *U*				
PHASE1RA	NMS	6/26/2003	SD0031	0	0										
PHASE1RA	NMS-ext	6/25/2003	SD0028	0	0						0.21				
PHASE1RA	NMS-EXT	9/15/2003	SD0104	0	0						0.05 *J*				
PSCHAR	NMT	8/22/2002	NMT	0	0						0.5 *U*				
PHASE1RA	NMT	6/26/2003	SD0030	0	0						0.04 *J*				
PHASE1RA	NMT	9/15/2003	SD0103	0	0						0.02 *U*				
PSCHAR	NMU	8/22/2002	NMU	0	0						0.55 *U*				
PHASE1RA	NMU	6/22/2003	SD0006	0	0	5,300	0.05 *U*	7.3 *J*	353		0.07	13.2	8.37	5.64	1.5
PHASE1RA	NMU	9/15/2003	SD0102	0	0	5,040	0.07 *J*	7.2	264		0.06	10.9 *J*	7.16	5.3	1.2 *J*
PSCHAR	NMV	8/22/2002	NMV	0	0						0.55 *U*				
PHASE1RA	NMV	6/23/2003	SD0016	0	0						0.08				
PHASE1RA	NMV	9/15/2003	SD0094	0	0						0.05 *J*				
PSCHAR	NMW	8/22/2002	NMW	0	0						0.55 *U*				
PHASE1RA	NMW	6/23/2003	SD0017	0	0						0.08				
PHASE1RA	NMW	9/15/2003	SD0101	0	0						0.05 *J*				
PSCHAR	NMX	8/22/2002	NMX	0	0						0.55 *U*				
PHASE1RA	NMX	6/23/2003	SD0018	0	0	5,850	0.04 *U*	8.2 *J*	410		0.09	13.5	6.91	5.38	1.2 *J*

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Beryllium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
PHASE1RA	NMX	9/15/2003	SD0095	0	0	4,710	0.08 *J*	8.2	232		0.1	11.7 *J*	7.29	5.32	1 *J*
PSCHAR	NMY	8/22/2002	NMY	0	0						0.55 *U*				
PHASE1RA	NMY	6/23/2003	SD0019	0	0						0.11				
PHASE1RA	NMY	9/14/2003	SD0082	0	0						0.07				
PSCHAR	NMZ	8/18/2002	NMZ	0	0						0.60 *U*				
PHASE1RA	NMZ	6/23/2003	SD0009	0	0						0.11				
PHASE1RA	NMZ	9/14/2003	SD0087	0	0						0.07				
DMTP98	SS-1-98	7/1/1998	SS-1-98	0	0			6.8	79.5		0.07	2.4		3.7	
DMTP98	SS-L1-98	7/1/1998	SSL198BIL198	0	0			3.1	315		0.48	13.2		10.4	
DMTP98	SS-L2-98	7/1/1998	SSL298BIL298	0	0			7.8	639		0.72	33.5		25.6	
DMTP98	SS-L3-98	7/1/1998	SS-L3-98	0	0			6.4	343		0.63	14.7		11.4	
DMTP98	SS-L4-98	7/1/1998	SS-L4-98	0	0			5.4	225		0.18	6.5		5.8	
DMTP98	SS-L5-98	7/1/1998	SS-L5-98	0	0			5.0	201		0.08	4.8		5.9	
DMTP98	SS-L6-98	7/1/1998	SS-L6-98	0	0			5.6	333		0.32	16.0		14.6	

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
CORPS00	01SD	8/26/2000	01SD	0	0		5.9		0.042 *J*			3.3 *J*	1.3 *U*	
CORPS00	02SD	8/26/2000	02SD	0	0		4.7		0.044 *J*			2.5 *J*	1.3 *U*	
CORPS00	03SD	8/26/2000	03SD	0	0		4.8		0.02 *U*			6.0 *UJ*	1.2 *U*	
CORPS00	04SD	8/26/2000	04SD	0	0		6		0.04 *J*			6.5 *UJ*	1.4 *U*	
CORPS00	05SD	8/26/2000	05SD	0	0		5.5		0.028 *U*			6.0 *UJ*	1.3 *U*	
CORPS00	06SD	8/26/2000	06SD	0	0		6		0.028 *U*			6.0 *UJ*	1.2 *U*	
CORPS00	07SD	8/26/2000	07SD	0	0		5.9		0.024 *U*			6.5 *UJ*	1.3 *U*	
CORPS00	08SD	8/26/2000	08SD	0	0		5.5		0.023 *U*			6.5 *UJ*	1.3 *U*	
CORPS00	09SD	8/26/2000	09SD	0	0		5.4		0.031 *J*			6.5 *UJ*	1.3 *U*	
CORPS00	10SD	8/26/2000	10SD	0	0		5.4		0.035 *J*			7.0 *UJ*	1.5 *U*	
CORPS00	11SD	8/27/2000	11SD	0	0		9.5		0.047 *J*			6.5 *UJ*	1.3 *U*	
CORPS00	12SD	8/27/2000	12SD	0	0		15		0.038 *J*			6.5 *UJ*	1.3 *U*	
CORPS00	13SD	8/27/2000	13SD	0	0		5.3		0.032 *J*			5.5 *UJ*	1.2 *U*	
CORPS00	14SD	8/27/2000	14SD	0	0		5.9		0.025 *U*			6.5 *UJ*	1.3 *U*	
CORPS00	15SD	8/27/2000	15SD	0	0		5.8		0.023 *U*			7.0 *UJ*	1.4 *U*	
CORPS00	16SD	8/27/2000	16SD	0	0		7.4		0.033 *J*			6.0 *UJ*	1.3 *U*	
CORPS00	17SD	8/27/2000	17SD	0	0		5.7		0.095			6.5 *UJ*	1.3 *U*	
CORPS00	18SD	8/27/2000	18SD	0	0		6.6		0.031 *J*			5.5 *UJ*	1.1 *U*	
CORPS00	19SD	8/27/2000	19SD	0	0		6.1		0.048 *J*			6.5 *UJ*	1.3 *U*	
CORPS00	20SD	8/25/2000	20SD	0	0		15		0.021 *U*			5 *UJ*	0.90 *U*	
CORPS00	21SD	8/25/2000	21SD	0	0		8.8 *J*		0.022 *U*			4.8 *U*	0.95 *U*	
CORPS00	22SD	8/25/2000	22SD	0	0		32 *J*		0.022 *U*			5.0 *U*	1.1 *U*	
CORPS00	23SD	8/25/2000	23SD	0	0		14 *J*		0.019 *U*			5.0 *U*	1 *U*	
DMTP98	BI-1-98	7/1/1998	BI-1-98	0	0		5.52		0.01 *U*			0.5 *U*	0.03 *U*	
DMTP98	BI-2-98	7/1/1998	BI-2-98	0	0		6.31		0.01 *U*			0.5 *U*	0.06	
DMTP98	BI-3-98	7/1/1998	BI-3-98	0	0		6.92		0.01 *U*			0.5 *U*	0.05	
DMTP98	BI-4-98	7/1/1998	BI-4-98	0	0		6.17		0.02			0.5 *U*	0.04	
DMTP98	BI-5-98	7/1/1998	BI-5-98	0	0		6.65		0.01 *U*			0.5 *U*	0.04	
DMTP98	BI-6-98	7/1/1998	BI-6-98	0	0		7.95		0.03			0.5 *U*	0.05	
DMTP98	BI-D1-98	7/1/1998	BI-D1-98	0	0		5.19		0.01 *U*			0.5 *U*	0.04	
DMTP98	BI-D2-98	7/1/1998	BI-D2-98	0	0		4.80		0.01 *U*			0.5 *U*	0.03	
DMTP98	BI-D3-98	7/1/1998	BI-D3-98	0	0		5.82		0.03			0.5 *U*	0.04	
DMTP98	BI-D4-98	7/1/1998	BI-D4-98	0	0		4.56		0.01 *U*			0.5 *U*	0.04	
DMTP98	BI-D5-98	7/1/1998	BI-D5-98	0	0		4.55		0.01 *U*			0.5 *U*	0.04	
DMTP98	BI-D6-98	7/1/1998	BI-D6-98	0	0		6.20		0.03			0.5 *U*	0.04	
DMTP98	BU-4-98	7/1/1998	BU-4-98	0	0		6.96		0.03			5	0.08	
DMTP98	BU-5-98	7/1/1998	BU-5-98	0	0		6.06		0.03			6	0.06	
DMTP98	BU-6-98	7/1/1998	BU-6-98	0	0		6.68		0.03			6	0.10	
DMTP98	DC-11-98	7/1/1998	DC-11-98	0	0		8.80		0.03			0.5 *U*	0.03 *U*	
DMTP98	DC-12-98	7/1/1998	DC-12-98	0	0		8.13		0.02			0.5 *U*	0.03 *U*	
DMTP98	DC-5-98	7/1/1998	DC-5-98	0	0		5.85		0.02			0.5 *U*	0.03 *U*	

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
DMTP98	DC-6-98	7/1/1998	DC-6-98	0	0		6.42		0.01 *U*			0.5 *U*	0.05	
DMTP98	DC-7-98	7/1/1998	DC-7-98	0	0		6.19		0.02			0.5 *U*	0.03 *U*	
DMTP98	DC-8-98	7/1/1998	DC-8-98	0	0		6.33		0.01 *U*			0.5 *U*	0.04	
PSCHAR	NMA	8/22/2002	NMA	0	0		8.8							
PHASE1RA	NMA	6/22/2003	SD0002	0	0		8.22							
PHASE1RA	NMA	9/16/2003	SD0113	0	0		6.94							
PSCHAR	NMAA	8/18/2002	NMAA	0	0		20							
PHASE1RA	NMAA	6/23/2003	SD0008	0	0	18,600	13	363	0.01 *J*	0.51	29.5	0.6 *J*	0.03	30 *J*
PHASE1RA	NMAA	9/15/2003	SD0096	0	0	19,300	12.5	335	0.005 *U*	0.48	28 *J*	0.5 *J*	0.03	27.8
PSCHAR	NMB	8/22/2002	NMB	1	0		7.8							
PSCHAR	NMB	8/22/2002	NMB	2	0	11,000	10	178		1.4 *U*	15.7	14 *U*	1.4 *U*	
PHASE1RA	NMB	6/22/2003	SD0001	0	0	14,400	9.6	253		0.49	20.3	0.5 *J*	0.04	24.4 *J*
PHASE1RA	NMB	9/16/2003	SD0112	0	0		8.5							
PSCHAR	NMC	8/18/2002	NMC	1	0		13							
PSCHAR	NMC	8/18/2002	NMC	2	0		12							
PHASE1RA	NMC	6/23/2003	SD0015	0	0		27							
PHASE1RA	NMC	9/16/2003	SD0111	0	0		4.28							
PSCHAR	NMD	8/22/2002	NMD	0	0		17							
PHASE1RA	NMD	6/24/2003	SD0024	0	0		196							
PHASE1RA	NMD	9/16/2003	SD0109	0	0		27.9							
PSCHAR	NME	8/22/2002	NME	0	0		17							
PHASE1RA	NME	6/22/2003	SD0003	0	0		22.3							
PHASE1RA	NME	9/15/2003	SD0090	0	0		11.5							
PSCHAR	NMF	8/22/2002	NMF	0	0		21							
PHASE1RA	NMF	6/22/2003	SD0004	1	0		15.5							
PHASE1RA	NMF	6/22/2003	SD0004	2	0		15.8							
PHASE1RA	NMF	9/15/2003	SD0091	0	0		11.1							
PSCHAR	NMG	8/22/2002	NMG	0	0		18							
PHASE1RA	NMG	6/26/2003	SD0032	0	0	15,700	14.3	232	0.01 *J*	0.43	25.5	0.7 *J*	0.06	28.3
PHASE1RA	NMG	9/15/2003	SD0092	0	0	18,600	9.13	313	0.005 *U*	0.37	33 *J*	0.5 *J*	0.03	27.5
PSCHAR	NMGZ	8/22/2002	NMGZ	0	0		9.2							
PHASE1RA	NMGZ	6/24/2003	SD0023	0	0		102							
PHASE1RA	NMGZ	9/16/2003	SD0110	0	0		9.13							
PSCHAR	NMH	8/18/2002	NMH	0	0		14							
PHASE1RA	NMH	6/26/2003	SD0036	0	0		1.59 *J*							
PHASE1RA	NMH	9/14/2003	SD0089	0	0		7.22							
PSCHAR	NMJ	8/22/2002	NMJ	0	0		12							
PHASE1RA	NMJ	6/23/2003	SD0014	0	0		3.93							
PHASE1RA	NMJ	9/15/2003	SD0100	0	0		2.6							
PSCHAR	NMK	8/22/2002	NMK	0	0		15							
PHASE1RA	NMK	6/23/2003	SD0013	0	0	13,700	11.4	247	0.005 *U*	0.49	24.8	0.7 *J*	0.03	28.2 *J*

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PHASE1RA	NMK	9/15/2003	SD0099	0	0	18,400	11.1	302	0.005 *U*	0.41	23.5 *J*	0.5 *J*	0.03	32.9
PSCHAR	NML	8/22/2002	NML	0	0		36							
PHASE1RA	NML	6/24/2003	SD0025	0	0	15,600	5,620	161	0.58	1.04	12.6	1.9	2.11	33.8
PHASE1RA	NML	9/16/2003	SD0108	0	0	9,960	36.6	203	0.005 *U*	0.68	11.3	0.3 *J*	0.04	28.4
PSCHAR	NMM	8/22/2002	NMM	0	0		34							
PHASE1RA	NMM	6/24/2003	SD0026	0	0		87.1							
PHASE1RA	NMM	9/14/2003	SD0083	0	0		76.7							
PSCHAR	NMN	8/22/2002	NMN	0	0		26							
PHASE1RA	NMN	6/23/2003	SD0012	0	0	15,300	31.2	339	0.02	0.72	24	1 *J*	0.05	27.7 *J*
PHASE1RA	NMN	9/14/2003	SD0084	0	0	14,400	18.9	254	0.005 *U*	0.41	20.8 *J*	0.4 *J*	0.03	29.1
PSCHAR	NMO	8/22/2002	NMO	0	0		27							
PHASE1RA	NMO	6/23/2003	SD0010	1	0	18,100	36.9	300	0.01 *J*	0.54	33.6	0.5 *J*	0.04	24.9 *J*
PHASE1RA	NMO	6/23/2003	SD0010	2	0	18,100	37.2	340	0.02 *J*	0.52	32.9	0.4 *J*	0.04	25.3 *J*
PHASE1RA	NMO	9/14/2003	SD0085	1	0	16,400	23.9	322	0.01 *J*	0.47	24 *J*	0.5 *J*	0.03	26.4
PHASE1RA	NMO	9/14/2003	SD0085	2	0	17,300	21	335	0.01 *J*	0.38	22.5 *J*	0.4 *J*	0.03	28.8
PSCHAR	NMP	8/22/2002	NMP	1	0		28							
PSCHAR	NMP	8/22/2002	NMP	2	0		26							
PHASE1RA	NMP	6/23/2003	SD0007	0	0		29.5							
PHASE1RA	NMP	9/15/2003	SD0097	1	0		20.8							
PHASE1RA	NMP	9/15/2003	SD0097	2	0		21.6							
PSCHAR	NMQ	8/22/2002	NMQ	0	0		4.1							
PHASE1RA	NMQ	6/25/2003	SD0027	0	0		10.6							
PHASE1RA	NMQ	9/14/2003	SD0088	0	0		3.81							
PSCHAR	NMS	8/22/2002	NMS	0	0		7.2							
PHASE1RA	NMS	6/26/2003	SD0031	0	0									
PHASE1RA	NMS-ext	6/25/2003	SD0028	0	0		9.87							
PHASE1RA	NMS-EXT	9/15/2003	SD0104	0	0		6.26							
PSCHAR	NMT	8/22/2002	NMT	0	0		7.0							
PHASE1RA	NMT	6/26/2003	SD0030	0	0		8.36							
PHASE1RA	NMT	9/15/2003	SD0103	0	0		3.42							
PSCHAR	NMU	8/22/2002	NMU	0	0		9.2							
PHASE1RA	NMU	6/22/2003	SD0006	0	0	16,900	13.7	328	0.01 *J*	0.65	31.6	0.5 *J*	0.03	27.3 *J*
PHASE1RA	NMU	9/15/2003	SD0102	0	0	17,600	10.3	262	0.01 *J*	0.38	27.6 *J*	0.5 *J*	0.03	25.6
PSCHAR	NMV	8/22/2002	NMV	0	0		7.7							
PHASE1RA	NMV	6/23/2003	SD0016	0	0		12.7							
PHASE1RA	NMV	9/15/2003	SD0094	0	0		8.35							
PSCHAR	NMW	8/22/2002	NMW	0	0		8.5							
PHASE1RA	NMW	6/23/2003	SD0017	0	0		11.2							
PHASE1RA	NMW	9/15/2003	SD0101	0	0		8.96							
PSCHAR	NMX	8/22/2002	NMX	0	0		9.3							
PHASE1RA	NMX	6/23/2003	SD0018	0	0	16,900	10.8	235	0.01 *J*	0.52	26.9	0.6 *J*	0.04	27 *J*

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
PHASE1RA	NMX	9/15/2003	SD0095	0	0	16,500	12.1	322	0.01 *J*	0.48	25.9 *J*	0.5 *J*	0.04	25.2
PSCHAR	NMY	8/22/2002	NMY	0	0		9.7							
PHASE1RA	NMY	6/23/2003	SD0019	0	0		14.8							
PHASE1RA	NMY	9/14/2003	SD0082	0	0		11.8							
PSCHAR	NMZ	8/18/2002	NMZ	0	0		8.5							
PHASE1RA	NMZ	6/23/2003	SD0009	0	0		14.4							
PHASE1RA	NMZ	9/14/2003	SD0087	0	0		11.3							
DMTP98	SS-1-98	7/1/1998	SS-1-98	0	0		3.50		0.01 *U*			0.5 *U*	0.11	
DMTP98	SS-L1-98	7/1/1998	SSL198BIL198	0	0		19.5		0.1 *U*			0.5 *U*	0.30	
DMTP98	SS-L2-98	7/1/1998	SSL298BIL298	0	0		32.7		0.1 *U*			1	0.18	
DMTP98	SS-L3-98	7/1/1998	SS-L3-98	0	0		32.1		0.1 *U*			0.5 *U*	0.11	
DMTP98	SS-L4-98	7/1/1998	SS-L4-98	0	0		8.86		0.1 *U*			0.5 *U*	0.04	
DMTP98	SS-L5-98	7/1/1998	SS-L5-98	0	0		5.79		0.1 *U*			0.5 *U*	0.05	
DMTP98	SS-L6-98	7/1/1998	SS-L6-98	0	0		17.0		0.1 *U*			1	0.09	

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
CORPS00	01SD	8/26/2000	01SD	0	0			40	48
CORPS00	02SD	8/26/2000	02SD	0	0			34	42
CORPS00	03SD	8/26/2000	03SD	0	0			35	42
CORPS00	04SD	8/26/2000	04SD	0	0			40	49
CORPS00	05SD	8/26/2000	05SD	0	0			41	47
CORPS00	06SD	8/26/2000	06SD	0	0			38	46
CORPS00	07SD	8/26/2000	07SD	0	0			37	48
CORPS00	08SD	8/26/2000	08SD	0	0			34	41
CORPS00	09SD	8/26/2000	09SD	0	0			36	78
CORPS00	10SD	8/26/2000	10SD	0	0			46	51
CORPS00	11SD	8/27/2000	11SD	0	0			34	64
CORPS00	12SD	8/27/2000	12SD	0	0			34	58
CORPS00	13SD	8/27/2000	13SD	0	0			38	49
CORPS00	14SD	8/27/2000	14SD	0	0			39	50
CORPS00	15SD	8/27/2000	15SD	0	0			38	54
CORPS00	16SD	8/27/2000	16SD	0	0			37	59
CORPS00	17SD	8/27/2000	17SD	0	0			35	55
CORPS00	18SD	8/27/2000	18SD	0	0			31	48
CORPS00	19SD	8/27/2000	19SD	0	0			32	57
CORPS00	20SD	8/25/2000	20SD	0	0			17	55
CORPS00	21SD	8/25/2000	21SD	0	0			12	29 *J*
CORPS00	22SD	8/25/2000	22SD	0	0			14	54
CORPS00	23SD	8/25/2000	23SD	0	0			15	83
DMTP98	BI-1-98	7/1/1998	BI-1-98	0	0				34.7
DMTP98	BI-2-98	7/1/1998	BI-2-98	0	0				46.6
DMTP98	BI-3-98	7/1/1998	BI-3-98	0	0				74.3
DMTP98	BI-4-98	7/1/1998	BI-4-98	0	0				40.5
DMTP98	BI-5-98	7/1/1998	BI-5-98	0	0				47.0
DMTP98	BI-6-98	7/1/1998	BI-6-98	0	0				51.0
DMTP98	BI-D1-98	7/1/1998	BI-D1-98	0	0				36.9
DMTP98	BI-D2-98	7/1/1998	BI-D2-98	0	0				37.8
DMTP98	BI-D3-98	7/1/1998	BI-D3-98	0	0				43.0
DMTP98	BI-D4-98	7/1/1998	BI-D4-98	0	0				32.5
DMTP98	BI-D5-98	7/1/1998	BI-D5-98	0	0				36.9
DMTP98	BI-D6-98	7/1/1998	BI-D6-98	0	0				40.9
DMTP98	BU-4-98	7/1/1998	BU-4-98	0	0				45.6
DMTP98	BU-5-98	7/1/1998	BU-5-98	0	0				42.8
DMTP98	BU-6-98	7/1/1998	BU-6-98	0	0				41.7
DMTP98	DC-11-98	7/1/1998	DC-11-98	0	0				56.2
DMTP98	DC-12-98	7/1/1998	DC-12-98	0	0				55.7
DMTP98	DC-5-98	7/1/1998	DC-5-98	0	0				49.1

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
DMTP98	DC-6-98	7/1/1998	DC-6-98	0	0				49.6
DMTP98	DC-7-98	7/1/1998	DC-7-98	0	0				52.9
DMTP98	DC-8-98	7/1/1998	DC-8-98	0	0				45.2
PSCHAR	NMA	8/22/2002	NMA	0	0				45.6
PHASE1RA	NMA	6/22/2003	SD0002	0	0				40.6
PHASE1RA	NMA	9/16/2003	SD0113	0	0				44.2
PSCHAR	NMAA	8/18/2002	NMAA	0	0				116
PHASE1RA	NMAA	6/23/2003	SD0008	0	0	0.032	8.9 *J*	22.1	61.5
PHASE1RA	NMAA	9/15/2003	SD0096	0	0	0.032	1.1 *U*	25.1 *J*	49.5
PSCHAR	NMB	8/22/2002	NMB	1	0				33.9
PSCHAR	NMB	8/22/2002	NMB	2	0			16.2	48.2
PHASE1RA	NMB	6/22/2003	SD0001	0	0	0.041	3 *U*	16.5	61.1
PHASE1RA	NMB	9/16/2003	SD0112	0	0				28.6
PSCHAR	NMC	8/18/2002	NMC	1	0				78.7
PSCHAR	NMC	8/18/2002	NMC	2	0				77.2
PHASE1RA	NMC	6/23/2003	SD0015	0	0				127
PHASE1RA	NMC	9/16/2003	SD0111	0	0				25.4
PSCHAR	NMD	8/22/2002	NMD	0	0				80
PHASE1RA	NMD	6/24/2003	SD0024	0	0				278
PHASE1RA	NMD	9/16/2003	SD0109	0	0				55.1
PSCHAR	NME	8/22/2002	NME	0	0				125
PHASE1RA	NME	6/22/2003	SD0003	0	0				49.1
PHASE1RA	NME	9/15/2003	SD0090	0	0				39.3
PSCHAR	NMF	8/22/2002	NMF	0	0				117
PHASE1RA	NMF	6/22/2003	SD0004	1	0				49
PHASE1RA	NMF	6/22/2003	SD0004	2	0				49
PHASE1RA	NMF	9/15/2003	SD0091	0	0				46.7
PSCHAR	NMG	8/22/2002	NMG	0	0				164
PHASE1RA	NMG	6/26/2003	SD0032	0	0	0.031	2.4 *U*	20.5	57.2
PHASE1RA	NMG	9/15/2003	SD0092	0	0	0.026	1.2 *U*	26.4 *J*	48.1
PSCHAR	NMGZ	8/22/2002	NMGZ	0	0				36.3
PHASE1RA	NMGZ	6/24/2003	SD0023	0	0				421
PHASE1RA	NMGZ	9/16/2003	SD0110	0	0				33.2
PSCHAR	NMH	8/18/2002	NMH	0	0				78.4
PHASE1RA	NMH	6/26/2003	SD0036	0	0				5.5
PHASE1RA	NMH	9/14/2003	SD0089	0	0				17.3
PSCHAR	NMJ	8/22/2002	NMJ	0	0				45.4
PHASE1RA	NMJ	6/23/2003	SD0014	0	0				27
PHASE1RA	NMJ	9/15/2003	SD0100	0	0				22.4
PSCHAR	NMK	8/22/2002	NMK	0	0				64.1
PHASE1RA	NMK	6/23/2003	SD0013	0	0	0.034	2.2 *U*	23.7	47.2

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PHASE1RA	NMK	9/15/2003	SD0099	0	0	0.028	1.2 *U*	23.1 *J*	44.4
PSCHAR	NML	8/22/2002	NML	0	0				111
PHASE1RA	NML	6/24/2003	SD0025	0	0	1.13	2.4 *U*	9.4	2,550
PHASE1RA	NML	9/16/2003	SD0108	0	0	0.035	0.95 *U*	9.11	50.9
PSCHAR	NMM	8/22/2002	NMM	0	0				107
PHASE1RA	NMM	6/24/2003	SD0026	0	0				219
PHASE1RA	NMM	9/14/2003	SD0083	0	0				940
PSCHAR	NMN	8/22/2002	NMN	0	0				68.8
PHASE1RA	NMN	6/23/2003	SD0012	0	0	0.033	5.6 *J*	21.4	77.5
PHASE1RA	NMN	9/14/2003	SD0084	0	0	0.035	1.2 *U*	19 *J*	44.3
PSCHAR	NMO	8/22/2002	NMO	0	0				69.8
PHASE1RA	NMO	6/23/2003	SD0010	1	0	0.031	7.1 *J*	30	85
PHASE1RA	NMO	6/23/2003	SD0010	2	0	0.032	5.6 *J*	29.1	85.7
PHASE1RA	NMO	9/14/2003	SD0085	1	0	0.041	1.1 *U*	20.4 *J*	47.9
PHASE1RA	NMO	9/14/2003	SD0085	2	0	0.023	1.1 *U*	19 *J*	49.8
PSCHAR	NMP	8/22/2002	NMP	1	0				80.9
PSCHAR	NMP	8/22/2002	NMP	2	0				77
PHASE1RA	NMP	6/23/2003	SD0007	0	0				71
PHASE1RA	NMP	9/15/2003	SD0097	1	0				49
PHASE1RA	NMP	9/15/2003	SD0097	2	0				51.7
PSCHAR	NMQ	8/22/2002	NMQ	0	0				23.9
PHASE1RA	NMQ	6/25/2003	SD0027	0	0				40.1
PHASE1RA	NMQ	9/14/2003	SD0088	0	0				15.7
PSCHAR	NMS	8/22/2002	NMS	0	0				53.3
PHASE1RA	NMS	6/26/2003	SD0031	0	0				
PHASE1RA	NMS-ext	6/25/2003	SD0028	0	0				55.7
PHASE1RA	NMS-EXT	9/15/2003	SD0104	0	0				35.9
PSCHAR	NMT	8/22/2002	NMT	0	0				38.7
PHASE1RA	NMT	6/26/2003	SD0030	0	0				26.5
PHASE1RA	NMT	9/15/2003	SD0103	0	0				13.2
PSCHAR	NMU	8/22/2002	NMU	0	0				56.9
PHASE1RA	NMU	6/22/2003	SD0006	0	0	0.041	7.9 *J*	26.6	55.4
PHASE1RA	NMU	9/15/2003	SD0102	0	0	0.029	1.2 *U*	23.5 *J*	44.4
PSCHAR	NMV	8/22/2002	NMV	0	0				41.8
PHASE1RA	NMV	6/23/2003	SD0016	0	0				46
PHASE1RA	NMV	9/15/2003	SD0094	0	0				37.9
PSCHAR	NMW	8/22/2002	NMW	0	0				46.3
PHASE1RA	NMW	6/23/2003	SD0017	0	0				45.1
PHASE1RA	NMW	9/15/2003	SD0101	0	0				39.6
PSCHAR	NMX	8/22/2002	NMX	0	0				47.6
PHASE1RA	NMX	6/23/2003	SD0018	0	0	0.04	2.2 *U*	30	50.6

Table C-17. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
PHASE1RA	NMX	9/15/2003	SD0095	0	0	0.035	1.1 *U*	25.5 *J*	48.1
PSCHAR	NMY	8/22/2002	NMY	0	0				55.1
PHASE1RA	NMY	6/23/2003	SD0019	0	0				52.7
PHASE1RA	NMY	9/14/2003	SD0082	0	0				42.8
PSCHAR	NMZ	8/18/2002	NMZ	0	0				105
PHASE1RA	NMZ	6/23/2003	SD0009	0	0				51.7
PHASE1RA	NMZ	9/14/2003	SD0087	0	0				45.8
DMTP98	SS-1-98	7/1/1998	SS-1-98	0	0				14.6
DMTP98	SS-L1-98	7/1/1998	SSL198BIL198	0	0				105
DMTP98	SS-L2-98	7/1/1998	SSL298BIL298	0	0				179
DMTP98	SS-L3-98	7/1/1998	SS-L3-98	0	0				132
DMTP98	SS-L4-98	7/1/1998	SS-L4-98	0	0				56.7
DMTP98	SS-L5-98	7/1/1998	SS-L5-98	0	0				40.9
DMTP98	SS-L6-98	7/1/1998	SS-L6-98	0	0				108

Note: *J* - estimated
R - rejected
U - undetected at detection limit shown

Table C-18. Analytical results for marine sediment samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Aluminum (mg/kg dry)	Antimony (mg/kg dry)	Arsenic (mg/kg dry)	Barium (mg/kg dry)	Cadmium (mg/kg dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Fluoride (mg/kg dry)
BASLIN82	5/15	1/1/1982	5/15	0	0	4,950		7.2	27	0.04	4.4		5.7	
BASLIN82	5/5	1/1/1982	5/5	0	0	1,970		5.6	22	0.02	1.4		3.0	
BASLIN82	8/10	1/1/1982	8/10	0	0	4,600		12	120	0.04	14		6.8	
BASLIN82	8/15	1/1/1982	8/15	0	0	6,300		9.5	162	0.23	17		8.0	
BASLIN82	8/2.5	1/1/1982	8/2.5	0	0	4,800		5.9	283	0.04	18		4.2	
BASLIN82	8/5	1/1/1982	8/5	0	0	5,600		13	140	0.06	16		10.2	
DMTP98	BI-10-98	7/1/1998	BI-10-98	0	0			6.6	206	0.09	15.2		8.2	
DMTP98	BI-11-98	7/1/1998	BI-11-98	0	0			8.2	209	0.07	15.1		7.0	
DMTP98	BI-12-98	7/1/1998	BI-12-98	0	0			8.4	149	0.04	12.1		6.6	
PHASE1RA	BI-7-03	6/24/2003	SD0020	0	0	8,000	0.05 *U*	10.5 *J*	284	0.09	13.1	8.61	6.24	1.6
DMTP98	BI-7-98	7/1/1998	BI-7-98	0	0			9.3	101	0.04	10.6		5.2	
PHASE1RA	BI-8-03	6/24/2003	SD0021	0	0	6,870	0.13 *J*	9.3	192	0.1	13	8.70	7.15	2
DMTP98	BI-8-98	7/1/1998	BI-8-98	0	0			9.3	215	0.05	14.7		7.4	
PHASE1RA	BI-9-03	6/24/2003	SD0022	0	0	6,870	0.13 *J*	10.5	319	0.09	13.5	8.62	7.19	1.9
DMTP98	BI-9-98	7/1/1998	BI-9-98	0	0			10.1	178	0.06	15.0		7.8	
PHASE1RA	NM-R1	9/15/2003	SD0105	0	0	2,570	0.08 *J*	6.1	232	0.04 *J*	5.39	4.2	4.5	1 *J*
PHASE1RA	NM-REF-1	6/26/2003	SD0034	0	0	2,420	0.05 *UJ*	9	218	0.11	7.22	6.16	7.47	0.4
PHASE1RA	NM-REF-2	9/15/2003	SD0106	0	0	5,020	0.07 *J*	7.3	227	0.05 *J*	9.11	6.51	4.46	0.9 *J*
PHASE1RA	NM-REF-2	6/26/2006	SD0033	0	0	4,120	0.04 *UJ*	7	273	0.05 *J*	8.16	5.47	4.8	1.1
PHASE1RA	NM-REF-3	6/26/2003	SD0035	0	0	5,790	0.12 *J*	8.3	431	0.06	13.2	8	5.55	1.2
PHASE1RA	NM-REF-3	9/15/2003	SD0107	0	0	5,770	0.07 *J*	8.9	363	0.06	14.1	8.71	6	1.2 *J*

Table C-18. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Iron (mg/kg dry)	Lead (mg/kg dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
BASLIN82	5/15	1/1/1982	5/15	0	0	13,300	2.7		0.02 *U*		20.2		0.15	
BASLIN82	5/5	1/1/1982	5/5	0	0	8,150	2.7		0.01 *U*		9.8		0.03	
BASLIN82	8/10	1/1/1982	8/10	0	0	13,300	6.3		0.01 *U*		21		0.42	
BASLIN82	8/15	1/1/1982	8/15	0	0	14,500	4.1		0.01 *U*		27		0.49	
BASLIN82	8/2.5	1/1/1982	8/2.5	0	0	8,860	3.5		0.01 *U*		12		0.49	
BASLIN82	8/5	1/1/1982	8/5	0	0	13,100	6.1		0.01 *U*		22		0.47	
DMTP98	BI-10-98	7/1/1998	BI-10-98	0	0		6.26		0.02			0.5 *U*	0.03 *U*	
DMTP98	BI-11-98	7/1/1998	BI-11-98	0	0		5.78		0.01 *U*			0.5 *U*	0.03 *U*	
DMTP98	BI-12-98	7/1/1998	BI-12-98	0	0		5.72		0.01 *U*			0.5 *U*	0.03 *U*	
PHASE1RA	BI-7-03	6/24/2003	SD0020	0	0	22,700	5.18	361	0.01 *J*	0.61	28.2	0.8 *J*	0.04	27.9 *J*
DMTP98	BI-7-98	7/1/1998	BI-7-98	0	0		4.81		0.01 *U*			0.5 *U*	0.03 *U*	
PHASE1RA	BI-8-03	6/24/2003	SD0021	0	0	21,800	5.2	379	0.02 *J*	0.83	28.0	1.2	0.05	25.4
DMTP98	BI-8-98	7/1/1998	BI-8-98	0	0		5.77		0.02			0.5 *U*	0.03 *U*	
PHASE1RA	BI-9-03	6/24/2003	SD0022	0	0	20,500	5.95	296	0.02 *J*	0.66	29.3	0.9 *J*	0.05	29
DMTP98	BI-9-98	7/1/1998	BI-9-98	0	0		5.86		0.01 *U*			0.5 *U*	0.03 *U*	
PHASE1RA	NM-R1	9/15/2003	SD0105	0	0	11,000	4.59	187	0.005 *U*	0.44	14.1	0.3 *J*	0.03	18.4
PHASE1RA	NM-REF-1	6/26/2003	SD0034	0	0	9,130	11.2	201	0.01 *J*	0.62	20.3	0.4 *J*	0.02	13
PHASE1RA	NM-REF-2	9/15/2003	SD0106	0	0	16,600	4.57	296	0.005 *U*	0.47	20.3	0.4 *J*	0.03	23.1
PHASE1RA	NM-REF-2	6/26/2006	SD0033	0	0	13,500	4.99	282	0.01 *J*	0.48	19.4	0.6 *J*	0.03	22.4
PHASE1RA	NM-REF-3	6/26/2003	SD0035	0	0	19,200	5.37	318	0.01 *J*	0.48	31.1	0.6 *J*	0.03	28.9
PHASE1RA	NM-REF-3	9/15/2003	SD0107	0	0	21,600	5.15	389	0.005 *U*	0.56	34.8	0.6 *J*	0.03	28.1

Table C-18. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
BASLIN82	5/15	1/1/1982	5/15	0	0				35
BASLIN82	5/5	1/1/1982	5/5	0	0				26
BASLIN82	8/10	1/1/1982	8/10	0	0				36
BASLIN82	8/15	1/1/1982	8/15	0	0				46
BASLIN82	8/2.5	1/1/1982	8/2.5	0	0				25
BASLIN82	8/5	1/1/1982	8/5	0	0				38
DMTP98	BI-10-98	7/1/1998	BI-10-98	0	0				46.7
DMTP98	BI-11-98	7/1/1998	BI-11-98	0	0				47.4
DMTP98	BI-12-98	7/1/1998	BI-12-98	0	0				38.8
PHASE1RA	BI-7-03	6/24/2003	SD0020	0	0	0.036	9.5 *J*	25.2	56.8
DMTP98	BI-7-98	7/1/1998	BI-7-98	0	0				42.9
PHASE1RA	BI-8-03	6/24/2003	SD0021	0	0	0.045	3.7 *J*	24	48.8
DMTP98	BI-8-98	7/1/1998	BI-8-98	0	0				49.8
PHASE1RA	BI-9-03	6/24/2003	SD0022	0	0	0.045	5.7 *J*	24.9	53.9
DMTP98	BI-9-98	7/1/1998	BI-9-98	0	0				50.4
PHASE1RA	NM-R1	9/15/2003	SD0105	0	0	0.025	1.1 *U*	13	31.7
PHASE1RA	NM-REF-1	6/26/2003	SD0034	0	0	0.042	7.5 *J*	15.1	40.1
PHASE1RA	NM-REF-2	9/15/2003	SD0106	0	0	0.029	1.2 *U*	18.1	38.8
PHASE1RA	NM-REF-2	6/26/2006	SD0033	0	0	0.029	4.9 *J*	18.4	39.8
PHASE1RA	NM-REF-3	6/26/2003	SD0035	0	0	0.028	6.7 *J*	27.6	48.9
PHASE1RA	NM-REF-3	9/15/2003	SD0107	0	0	0.052	1.1 *U*	33.9	45.7

Note: *J* - estimated
U - undetected at detection limit shown

Table C-19. Analytical results for marine surface water samples (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (µg/L unfiltered)	Arsenic (µg/L unfiltered)	Barium (µg/L unfiltered)	Cadmium (µg/L unfiltered)	Calcium (µg/L unfiltered)
PHASE1RA	NMAA	6/23/2003	SW0001	0	0		44	1.08 *J*	6 *J*	12.6	1.58	302,000
PHASE1RA	NMAA	9/15/2003	SW0047	0	0	3,900 [b]	178	0.4 *U*	1.7 *J*	29.9	4.01	260,000
PHASE1RA	NMF	6/25/2003	SW0009	0	0		25 *U*	0.78 *J*	3 *U*	12.8	1.88	310,000
PHASE1RA	NMG	6/24/2003	SW0008	0	0		77.5	0.2 *U*	5.4 *J*	12.1	1.97	320,000
PHASE1RA	NMG	9/15/2003	SW0046	0	0	4,000 [b]	97	0.5 *J*	2 *J*	30.4	4.20	266,000
PHASE1RA	NMK	6/23/2003	SW0004	0	0		60.5	0.2 *U*	3 *U*	13.4	1.95	314,000
PHASE1RA	NMK	9/15/2003	SW0048	0	0	4,060 [b]	188	0.4 *U*	1.5 *J*	39.4	4.36	269,000
PHASE1RA	NML	6/24/2003	SW0002	1	0		25 *U*	0.47 *J*	3 *U*	12.9	1.82	319,000
PHASE1RA	NML	6/24/2003	SW0002	2	0		61.2	0.2 *U*	6.3 *J*	12.7	2.01	320,000
PHASE1RA	NML	9/16/2003	SW0052	1	0	3,830 [b]	215	2.79	1.8 *J*	29.1	4.58	257,000
PHASE1RA	NML	9/16/2003	SW0052	2	0	3,650 [b]	195	0.97 *J*	1.8 *J*	27.4	4.62	245,000

Table C-19. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Chromium (µg/L unfiltered)	Cobalt (µg/L unfiltered)	Copper (µg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (µg/L unfiltered)	Lead (µg/L unfiltered)	Magnesium (µg/L unfiltered)
PHASE1RA	NMAA	6/23/2003	SW0001	0	0	2 *U*	3.99	4 *U*	0.9	69.7	1.34	1,050,000
PHASE1RA	NMAA	9/15/2003	SW0047	0	0	1 *U*	3.85	1	0.6	375	0.97	789,000
PHASE1RA	NMF	6/25/2003	SW0009	0	0	2 *U*	4.3	4 *U*	0.8	52.3	1.24	1,080,000
PHASE1RA	NMG	6/24/2003	SW0008	0	0	2 *U*	4.6	4 *U*	0.9	62.8	0.93	1,120,000
PHASE1RA	NMG	9/15/2003	SW0046	0	0	1 *U*	4.23	1	0.6	230	0.8	813,000
PHASE1RA	NMK	6/23/2003	SW0004	0	0	2 *U*	4.2	4 *U*	0.8	76	0.85	1,080,000
PHASE1RA	NMK	9/15/2003	SW0048	0	0	1 *U*	4.41	1.1	0.6	348	0.92	823,000
PHASE1RA	NML	6/24/2003	SW0002	1	0	2 *U*	4.16	4 *U*	0.9	67.9	1.47	1,100,000
PHASE1RA	NML	6/24/2003	SW0002	2	0	2 *U*	4.07	4 *U*	0.9	67.1	0.98	1,140,000
PHASE1RA	NML	9/16/2003	SW0052	1	0	1 *U*	4.22	1.2	0.5	265	0.7 *J*	774,000
PHASE1RA	NML	9/16/2003	SW0052	2	0	1 *U*	4.27	5.9	0.5	258	0.92	738,000

Table C-19. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Manganese (µg/L unfiltered)	Mercury (µg/L unfiltered)	Molybdenum (µg/L unfiltered)	Nickel (µg/L unfiltered)	Selenium (µg/L unfiltered)	Silver (µg/L unfiltered)
PHASE1RA	NMAA	6/23/2003	SW0001	0	0	22.1	0.05 *U*	11.0	2 *U*	0.6 *J*	0.95
PHASE1RA	NMAA	9/15/2003	SW0047	0	0	14.5	0.05 *U*	8.77	10 *U*	0.5 *J*	0.59 *J*
PHASE1RA	NMF	6/25/2003	SW0009	0	0	18.9	0.05 *U*	10.6	2 *U*	0.3 *J*	0.55
PHASE1RA	NMG	6/24/2003	SW0008	0	0	20.9	0.05 *U*	11	2 *U*	0.4 *J*	0.1 *U*
PHASE1RA	NMG	9/15/2003	SW0046	0	0	13.1	0.05 *U*	9.09	10 *U*	1 *J*	0.51 *J*
PHASE1RA	NMK	6/23/2003	SW0004	0	0	31.9	0.05 *U*	10.8	2 *U*	0.5 *J*	0.1 *U*
PHASE1RA	NMK	9/15/2003	SW0048	0	0	15.5	0.05 *U*	8.7	10 *U*	0.2 *U*	0.2 *U*
PHASE1RA	NML	6/24/2003	SW0002	1	0	21.7	0.05 *U*	11.1	2 *U*	0.7 *J*	0.69
PHASE1RA	NML	6/24/2003	SW0002	2	0	21.3	0.05 *U*	10.9	2 *U*	0.5 *J*	0.1 *U*
PHASE1RA	NML	9/16/2003	SW0052	1	0	14.3	0.05 *U*	8.65	10 *U*	0.5 *J*	0.2 *U*
PHASE1RA	NML	9/16/2003	SW0052	2	0	14.1	0.05 *U*	8.1	10 *U*	0.2 *U*	0.2 *U*

Table C-19. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Strontium (µg/L unfiltered)	Thallium (µg/L unfiltered)	Tin (µg/L unfiltered)	Vanadium (µg/L unfiltered)	Zinc (µg/L unfiltered)
PHASE1RA	NMAA	6/23/2003	SW0001	0	0	5,300 *J*	0.09 *J*	3 *U*	2 *U*	1 *U*
PHASE1RA	NMAA	9/15/2003	SW0047	0	0	4,700	0.1 *U*	23.3 *J*	1.4 *U*	1 *U*
PHASE1RA	NMF	6/25/2003	SW0009	0	0	5,420 *J*	0.05 *U*	3 *U*	2 *U*	1 *U*
PHASE1RA	NMG	6/24/2003	SW0008	0	0	5,600 *J*	0.05 *U*	3 *U*	2 *U*	1 *U*
PHASE1RA	NMG	9/15/2003	SW0046	0	0	4,830	0.05 *U*	10 *U*	4.44 *J*	1 *U*
PHASE1RA	NMK	6/23/2003	SW0004	0	0	5,490 *J*	0.05 *U*	3 *U*	2 *U*	1 *U*
PHASE1RA	NMK	9/15/2003	SW0048	0	0	4,790	0.1 *U*	10 *U*	5.27 *J*	1 *U*
PHASE1RA	NML	6/24/2003	SW0002	1	0	5,600 *J*	0.05 *U*	3 *U*	2 *U*	1 *U*
PHASE1RA	NML	6/24/2003	SW0002	2	0	5,650 *J*	0.05 *U*	3 *U*	2 *U*	1 *U*
PHASE1RA	NML	9/16/2003	SW0052	1	0	4,530	0.1 *U*	10 *U*	1.4 *U*	1 *U*
PHASE1RA	NML	9/16/2003	SW0052	2	0	4,310	0.1 *U*	10 *U*	1.4 *U*	1 *U*

Note: *J* - estimated
U - undetected at detection limit shown

[a] All hardness values have been calculated from calcium and magnesium as: (2.497 * [Ca] + 4.118 * [Mg]) where calcium and magnesium are reported in mg/L, except where otherwise noted.

[b] Hardness values reported as received from Columbia Analytical Services.

Table C-20. Analytical results for marine surface water samples (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Hardness[a] (mg/L unfiltered)	Aluminum (µg/L unfiltered)	Antimony (µg/L unfiltered)	Arsenic (µg/L unfiltered)	Barium (µg/L unfiltered)	Cadmium (µg/L unfiltered)
PHASE1RA	NM-R1	9/15/2003	SW0049	0	0	3,820 [b]	336	1.67 *J*	1.1 *J*	36.1	4.28
PHASE1RA	NM-REF-1	6/26/2003	SW0013	0	0		63.9	0.2 *U*	7.2 *J*	11.1	2.3
PHASE1RA	NM-REF-2	6/26/2003	SW0011	1	0		25 *U*	0.44 *J*	3 *U*	9.91	2.27
PHASE1RA	NM-REF-2	9/15/2003	SW0050	0	0	3,900 [b]	309	0.4 *U*	1.7 *J*	38.1	4.69
PHASE1RA	NM-REF-3	6/26/2003	SW0014	0	0		25 *U*	0.2 *U*	7.5 *J*	10.3	2.83
PHASE1RA	NM-REF-3	9/15/2003	SW0051	0	0	3,870 [b]	264	1.26 *J*	2 *J*	33.9	4.64

Table C-20. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Calcium (µg/L unfiltered)	Chromium (µg/L unfiltered)	Cobalt (µg/L unfiltered)	Copper (µg/L unfiltered)	Fluoride (mg/L unfiltered)	Iron (µg/L unfiltered)
PHASE1RA	NM-R1	9/15/2003	SW0049	0	0	253,000	1 *U*	4.29	1	0.6	629
PHASE1RA	NM-REF-1	6/26/2003	SW0013	0	0	294,000	2 *U*	4.12	4 *U*	0.8	46.8
PHASE1RA	NM-REF-2	6/26/2003	SW0011	1	0	303,000	2 *U*	4.03	4 *U*	0.8	35.4
PHASE1RA	NM-REF-2	9/15/2003	SW0050	0	0	260,000	1 *U*	4.48	1.1	0.6	643
PHASE1RA	NM-REF-3	6/26/2003	SW0014	0	0	302,000	2 *U*	4.35	4 *U*	0.8	33.6
PHASE1RA	NM-REF-3	9/15/2003	SW0051	0	0	259,000	1 *U*	4.35	2.6	0.6	497

Table C-20. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Lead (µg/L unfiltered)	Magnesium (µg/L unfiltered)	Manganese (µg/L unfiltered)	Mercury (µg/L unfiltered)	Molybdenum (µg/L unfiltered)	Nickel (µg/L unfiltered)
PHASE1RA	NM-R1	9/15/2003	SW0049	0	0	1.04	774,000	23.5	0.05 *U*	8.26	10 *U*
PHASE1RA	NM-REF-1	6/26/2003	SW0013	0	0	0.76	1,010,000	10.7	0.05 *U*	10.6	2 *U*
PHASE1RA	NM-REF-2	6/26/2003	SW0011	1	0	0.79	1,040,000	10.1	0.05 *U*	9.92	2 *U*
PHASE1RA	NM-REF-2	9/15/2003	SW0050	0	0	1.05	788,000	25.5	0.05 *U*	9.58	10 *U*
PHASE1RA	NM-REF-3	6/26/2003	SW0014	0	0	1.25	1,020,000	10.5	0.05 *U*	10.1	2 *U*
PHASE1RA	NM-REF-3	9/15/2003	SW0051	0	0	1.05	782,000	21.9	0.05 *U*	8.46	10 *U*

Table C-20. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Selenium (µg/L unfiltered)	Silver (µg/L unfiltered)	Strontium (µg/L unfiltered)	Thallium (µg/L unfiltered)	Tin (µg/L unfiltered)	Vanadium (µg/L unfiltered)	Zinc (µg/L unfiltered)
PHASE1RA	NM-R1	9/15/2003	SW0049	0	0	0.2 *U*	0.2 *U*	4,530	0.1 *U*	10 *U*	5.58 *J*	1 *U*
PHASE1RA	NM-REF-1	6/26/2003	SW0013	0	0	0.5 *J*	0.1 *U*	5,140 *J*	0.05 *U*	3 *U*	2 *U*	1 *U*
PHASE1RA	NM-REF-2	6/26/2003	SW0011	1	0	0.2 *U*	0.27 *J*	5,270 *J*	0.111 *J*	3 *U*	2 *U*	1 *U*
PHASE1RA	NM-REF-2	9/15/2003	SW0050	0	0	0.2 *U*	0.2 *U*	4,600	0.1 *U*	10 *U*	3.77 *J*	1 *U*
PHASE1RA	NM-REF-3	6/26/2003	SW0014	0	0	0.3 *J*	0.1 *U*	5,290 *J*	0.133 *J*	3 *U*	2 *U*	1 *U*
PHASE1RA	NM-REF-3	9/15/2003	SW0051	0	0	0.3 *J*	0.2 *U*	4,570	0.1 *U*	26.4 *J*	8.44	1 *U*

Note: *J* - estimated
U - undetected at detection limit shown

[a] All hardness values have been calculated from calcium and magnesium as: (2.497 * [Ca] + 4.118 * [Mg]) where calcium and magnesium are reported in mg/L, except where otherwise noted.

[b] Hardness values reported as received from Columbia Analytical Services.

Table C-21. Analytical results for moss (site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Total Solids (dry wt. as % of wet wt. or volume) (% wet)	Aluminum (µg/g dry)	Antimony (mg/kg dry)	Arsenic (µg/g dry)	Barium (mg/kg dry)	Cadmium (µg/g dry)	Calcium (µg/g dry)	Chromium (mg/kg dry)
Site													
FUGDST01	HR01-01A	8/20/2001	HR-01-01-M	0	0		43,300 *J*		12.9		27.2	26,300	
FUGDST01	HR01-02M	8/21/2001	HR-01-02-M	0	0		23,700 *J*		6.50		13.3	12,800	
FUGDST01	HR01-03M	8/24/2001	HR-01-03-M	0	0		1,750 *J*		1.45		1.66	2,720	
FUGDST01	HR02-01M	8/20/2001	HR-02-01-M	0	0		47,900 *J*		13.8		21.5	19,100	
FUGDST01	HR02-02M	8/21/2001	HR-02-02-M	0	0		12,500 *J*		3.82		6.14	7,190	
FUGDST01	HR02-03M	8/24/2001	HR-02-03-M	0	0		196 *J*		0.380		0.502	3,960	
FUGDST01	HR03-01M	8/19/2001	HR-03-01-M	1	0		18,100 *J*		5.50		6.79	73,500	
FUGDST01	HR03-01M	8/19/2001	HR-03-01-M	2	0		25,400 *J*		7.99		9.53	113,000	
FUGDST01	HR03-02M	8/21/2001	HR-03-02-M	0	0		8,220 *J*		2.60		2.93	24,700	
FUGDST01	HR03-03M	8/24/2001	HR-03-03-M	0	0		6,550 *J*		1.50		0.940	7,020	
FUGDST01	HR04-01B	8/20/2001	HR-04-01-M	0	0		9,550 *J*		4.21		8.86	115,000	
FUGDST01	HR04-02M	8/21/2001	HR-04-02-M	0	0		5,680 *J*		2.44		6.07	60,900	
FUGDST01	HR04-03M	8/24/2001	HR-04-03-M	0	0		914 *J*		0.383		1.21	11,800	
FUGDST01	HR05-01M	8/21/2001	HR-05-01-M	0	0		20,900 *J*		10.1		9.26	72,400	
FUGDST01	HR05-02M	8/21/2001	HR-05-02-M	0	0		6,960 *J*		1.84		3.13	9,800	
FUGDST01	HR05-03M	8/24/2001	HR-05-03-M	0	0		701 *J*		0.200 *U*		1.00	2,660	
FUGDST01	HR06-01M	8/20/2001	HR-06-01-M	0	0		39,100 *J*		10.1		10.3	12,400	
FUGDST01	HR06-02M	8/21/2001	HR-06-02-M	0	0		14,500 *J*		5.03		10.9	6,520	
FUGDST01	HR06-03M	8/24/2001	HR-06-03-M	0	0		2,440 *J*		2.93		14.1	5,910	
FUGDST01	HR06-04M	8/24/2001	HR-06-04-M	0	0		650 *J*		1.18		4.61	7,800	
FUGDST01	HR07-01M	8/20/2001	HR-07-01-M	0	0		30,600 *J*		15.7		23.1	33,700	
FUGDST01	HR07-02M	8/21/2001	HR-07-02-M	1	0		9,740 *J*		6.99		16.9	7,330	
FUGDST01	HR07-02M	8/21/2001	HR-07-02-M	2	0		8,370 *J*		5.57		14.9	7,790	
FUGDST01	HR07-03M	8/24/2001	HR-07-03-M	0	0		695 *J*		0.859		4.27	2,310	
FUGDST01	HR07-04M	8/24/2001	HR-07-04-M	0	0		404 *J*		0.234		2.59	4,990	
NPS00	HS1N0003	6/1/2000	HS-1N-0003-M	1	0		40,400				9.66	53,500	
NPS00	HS1N0003	6/1/2000	HS-1N-0003-M	2	0		40,900				10.1	53,500	
NPS00	HS1N0050	6/1/2000	HS-1N-0050-M	0	0		19,400				5.92	20,206	
NPS00	HS1N0100	6/1/2000	HS-1N-0100-M	0	0		13,800				3.09	10,900	
NPS00	HS1N0250	6/1/2000	HS-1N-0250-M	1	0		2,790				1.27	4,990	
NPS00	HS1N0250	6/1/2000	HS-1N-0250-M	2	0		3,050				1.53	5,080	
NPS00	HS1N1000	6/1/2000	HS-1N-1000-M	1	0		861				0.597	3,440	
NPS00	HS1N1000	6/1/2000	HS-1N-1000-M	2	0		1,040				0.727	3,310	
NPS00	HS1S0003	6/1/2000	HS-1S-0003-M	0	0		32,100				9.42	34,800	
NPS00	HS1S0050	6/1/2000	HS-1S-0050-M	0	0		4,750				2.20	7,000	
NPS00	HS1S0100	6/1/2000	HS-1S-0100-M	0	0		4,710				1.24	4,660	
NPS00	HS1S0250	6/1/2000	HS-1S-0250-M	0	0		1,370				0.945	3,580	
NPS00	HS1S1000	6/1/2000	HS-1S-1000-M	0	0		511				0.597	3,260	
NPS00	HS1S1600	6/1/2000	HS-1S-1600-M	0	0		762				0.418	2,840	
NPS00	HS2N0003	6/1/2000	HS-2N-0003-M	1	0		45,300				16.6	27,100	
NPS00	HS2N0003	6/1/2000	HS-2N-0003-M	2	0		46,300				16.4	23,800	

Table C-21. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Total Solids (dry wt. as % of wet wt. or volume) (% wet)	Aluminum (µg/g dry)	Antimony (mg/kg dry)	Arsenic (µg/g dry)	Barium (mg/kg dry)	Cadmium (µg/g dry)	Calcium (µg/g dry)	Chromium (mg/kg dry)
NPS00	HS2N0050	6/1/2000	HS-2N-0050-M	0	0		24,300				10.6	11,100	
NPS00	HS2N0100	6/1/2000	HS-2N-0100-M	0	0		10,100				5.61	6,940	
NPS00	HS2N0250	6/1/2000	HS-2N-0250-M	1	0		3,500				2.37	4,620	
NPS00	HS2N0250	6/1/2000	HS-2N-0250-M	2	0		3,470				2.48	4,980	
NPS00	HS2N1000	6/1/2000	HS-2N-1000-M	1	0		1,430				0.915	3,040	
NPS00	HS2N1000	6/1/2000	HS-2N-1000-M	2	0		1,920				1.11	2,950	
NPS00	HS2S0003	6/1/2000	HS-2S-0003-M	0	0		29,400				7.22	34,700	
NPS00	HS2S0050	6/1/2000	HS-2S-0050-M	0	0		5,930				1.82	10,900	
NPS00	HS2S0100	6/1/2000	HS-2S-0100-M	0	0		3,720				1.19	7,140	
NPS00	HS2S0250	6/1/2000	HS-2S-0250-M	0	0		1,620				0.655	4,150	
NPS00	HS2S1000	6/1/2000	HS-2S-1000-M	0	0		465				0.343	2,520	
NPS00	HS3N0003	6/1/2000	HS-3N-0003-M	0	0		32,800				7.00	51,900	
NPS00	HS3N0050	6/1/2000	HS-3N-0050-M	0	0		22,200				4.95	24,600	
NPS00	HS3N0100	6/1/2000	HS-3N-0100-M	0	0		14,200				3.67	14,700	
NPS00	HS3N0250	6/1/2000	HS-3N-0250-M	0	0		3,060				1.17	5,960	
NPS00	HS3N1000	6/1/2000	HS-3N-1000-M	0	0		1,070				0.572	3,950	
NPS00	HS3N1600	6/1/2000	HS-3N-1600-M	0	0		1,370				0.614	3,730	
NPS00	HS3S0003	6/1/2000	HS-3S-0003-M	0	0		31,700				17.0	17,500	
NPS00	HS3S0050	6/1/2000	HS-3S-0050-M	0	0		8,750				3.84	6,450	
NPS00	HS3S0100	6/1/2000	HS-3S-0100-M	0	0		2,610				2.33	3,720	
NPS00	HS3S0250	6/1/2000	HS-3S-0250-M	0	0		1,730				1.07	3,070	
NPS00	HS3S1000	6/1/2000	HS-3S-1000-M	0	0		678				0.488	2,570	
FUGDST01	PO-01M	8/23/2001	PO-01-M	0	0						6.82	4,280	
FUGDST01	PO-02M	8/23/2001	PO-02-M	0	0						13.6	4,710	
FUGDST01	PO-04M	8/23/2001	PO-04-M	1	0						11.1	3,970	
FUGDST01	PO-04M	8/23/2001	PO-04-M	2	0						9.84	3,840	
FUGDST01	PO-05M	8/23/2001	PO-05-M	0	0						32.8	12,000	
FUGDST01	PO-06M	8/23/2001	PO-06-M	0	0						20.0	10,400	
FUGDST01	PO-07M	8/23/2001	PO-07-M	0	0						13.2	4,560	
FUGDST01	PO-09M	8/23/2001	PO-09-M	0	0						6.87	4,700	
FUGDST01	PO-10M	8/23/2001	PO-10-M	1	0						43.2	35,700	
FUGDST01	PO-11M	8/23/2001	PO-11-M	0	0						5.53	4,310	
FUGDST01	PO-13M	8/23/2001	PO-13-M	0	0						8.11	3,310	
FUGDST01	PO-15M	8/23/2001	PO-15-M	0	0						8.49	3,850	
FUGDST01	PO-16M	8/23/2001	PO-16-M	0	0						48.4	8,920	
FUGDST01	PO-17M	8/23/2001	PO-17-M	0	0						8.87	3,760	
FUGDST01	PO-18M	8/24/2001	PO-18-M	0	0						15.9	4,890	
PHASE1RA	TT1-0100	7/17/2003	MS0005	0	0	27.7	4,460	4.58	4.7	885	37.2		16.3
PHASE1RA	TT1-1000	7/19/2003	MS0008	0	0	89.5	393	0.91	0.5 *J*	115	4.52		3.14
PHASE1RA	TT2-0010	7/17/2003	MS0004	0	0	82.2	6,630	1.37	6	1,890	15		25.0
PHASE1RA	TT2-0100	7/17/2003	MS0003	0	0	97.2	2,970	1.23	2.4	773	6.16		11.3
PHASE1RA	TT2-1000	7/19/2003	MS0006	1	0	66.8	422	0.26	0.4 *J*	75.7	1.04		2.77

Table C-21. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Total Solids (dry wt. as % of wet wt. or volume) (% wet)	Aluminum (µg/g dry)	Antimony (mg/kg dry)	Arsenic (µg/g dry)	Barium (mg/kg dry)	Cadmium (µg/g dry)	Calcium (µg/g dry)	Chromium (mg/kg dry)
PHASE1RA	TT2-1000	7/19/2003	MS0006	2	0	93.2	599	0.31	0.5 *J*	93.5	1.17		3.32
PHASE1RA	TT3-0010	7/17/2003	MS0002	0	0	92.6	3,210	0.99	2.7	2,530	7.41		19.5
PHASE1RA	TT3-0100	7/17/2003	MS0001	0	0	95.9	1,440	0.72	1.5	1,150	3.24		10.5
PHASE1RA	TT3-1000	7/21/2003	MS0015	0	0	70.5	275	0.25	0.4 *J*	193	0.81		4.71
PHASE1RA	TT4-0010	7/21/2003	MS0017	0	0	88.8	8,340	2.98	15	8,800	15.3		32.9
PHASE1RA	TT4-0100	7/21/2003	MS0016	0	0	60.5	2,530	2.44	4.1	4,900	8.07		19.9
PHASE1RA	TT4-1000	7/21/2003	MS0014	0	0	65.3	591	3.52	2.5	1,690	13.5		7.7

Table C-21. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Iron (µg/g dry)	Lead (µg/g dry)	Magnesium (µg/g dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
Site													
FUGDST01	HR01-01A	8/20/2001	HR-01-01-M	0	0			27,900	875	12,300			
FUGDST01	HR01-02M	8/21/2001	HR-01-02-M	0	0			15,100	424	4,790			
FUGDST01	HR01-03M	8/24/2001	HR-01-03-M	0	0			1,180	66.2	1,320			
FUGDST01	HR02-01M	8/20/2001	HR-02-01-M	0	0			30,900	654	12,200			
FUGDST01	HR02-02M	8/21/2001	HR-02-02-M	0	0			8,170	217	2,780			
FUGDST01	HR02-03M	8/24/2001	HR-02-03-M	0	0			152	9.54	1,360			
FUGDST01	HR03-01M	8/19/2001	HR-03-01-M	1	0			10,500	199	39,400			
FUGDST01	HR03-01M	8/19/2001	HR-03-01-M	2	0			14,800	263	61,100			
FUGDST01	HR03-02M	8/21/2001	HR-03-02-M	0	0			4,840	108	11,700			
FUGDST01	HR03-03M	8/24/2001	HR-03-03-M	0	0			4,540	35.5	3,670			
FUGDST01	HR04-01B	8/20/2001	HR-04-01-M	0	0			6,330	252	63,400			
FUGDST01	HR04-02M	8/21/2001	HR-04-02-M	0	0			3,650	187	32,200			
FUGDST01	HR04-03M	8/24/2001	HR-04-03-M	0	0			528	38.6	5,790			
FUGDST01	HR05-01M	8/21/2001	HR-05-01-M	0	0			11,800	329	40,600			
FUGDST01	HR05-02M	8/21/2001	HR-05-02-M	0	0			3,980	117	4,710			
FUGDST01	HR05-03M	8/24/2001	HR-05-03-M	0	0			488	24.1	1,420			
FUGDST01	HR06-01M	8/20/2001	HR-06-01-M	0	0			23,800	336	11,200			
FUGDST01	HR06-02M	8/21/2001	HR-06-02-M	0	0			9,050	463	4,250			
FUGDST01	HR06-03M	8/24/2001	HR-06-03-M	0	0			2,270	648	1,980			
FUGDST01	HR06-04M	8/24/2001	HR-06-04-M	0	0			714	182	917			
FUGDST01	HR07-01M	8/20/2001	HR-07-01-M	0	0			19,600	824	20,100			
FUGDST01	HR07-02M	8/21/2001	HR-07-02-M	1	0			6,500	658	3,600			
FUGDST01	HR07-02M	8/21/2001	HR-07-02-M	2	0			5,620	603	3,720			
FUGDST01	HR07-03M	8/24/2001	HR-07-03-M	0	0			631	167	1,240			
FUGDST01	HR07-04M	8/24/2001	HR-07-04-M	0	0			363	81.6	1,030			
NPS00	HS1N0003	6/1/2000	HS-1N-0003-M	1	0			23,500	413	27,800			
NPS00	HS1N0003	6/1/2000	HS-1N-0003-M	2	0			22,700	430	27,700			
NPS00	HS1N0050	6/1/2000	HS-1N-0050-M	0	0			11,400	285	9,230			
NPS00	HS1N0100	6/1/2000	HS-1N-0100-M	0	0			8,600	121	5,470			
NPS00	HS1N0250	6/1/2000	HS-1N-0250-M	1	0			1,970	49.6	2,250			
NPS00	HS1N0250	6/1/2000	HS-1N-0250-M	2	0			2,100	60.6	2,300			
NPS00	HS1N1000	6/1/2000	HS-1N-1000-M	1	0			571	19.4	1,870			
NPS00	HS1N1000	6/1/2000	HS-1N-1000-M	2	0			702	24.1	1,630			
NPS00	HS1S0003	6/1/2000	HS-1S-0003-M	0	0			19,500	392	16,800			
NPS00	HS1S0050	6/1/2000	HS-1S-0050-M	0	0			3,060	87.2	2,640			
NPS00	HS1S0100	6/1/2000	HS-1S-0100-M	0	0			3,020	37.1	2,310			
NPS00	HS1S0250	6/1/2000	HS-1S-0250-M	0	0			685	25.0	1,760			
NPS00	HS1S1000	6/1/2000	HS-1S-1000-M	0	0			402	8.56	1,460			
NPS00	HS1S1600	6/1/2000	HS-1S-1600-M	0	0			532	11.6	1,400			
NPS00	HS2N0003	6/1/2000	HS-2N-0003-M	1	0			25,900	458	13,600			
NPS00	HS2N0003	6/1/2000	HS-2N-0003-M	2	0			26,600	448	12,900			

Table C-21. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Iron (µg/g dry)	Lead (µg/g dry)	Magnesium (µg/g dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
NPS00	HS2N0050	6/1/2000	HS-2N-0050-M	0	0			13,600	419	4,470			
NPS00	HS2N0100	6/1/2000	HS-2N-0100-M	0	0			5,690	215	3,090			
NPS00	HS2N0250	6/1/2000	HS-2N-0250-M	1	0			2,290	102	1,580			
NPS00	HS2N0250	6/1/2000	HS-2N-0250-M	2	0			2,420	98.7	1,540			
NPS00	HS2N1000	6/1/2000	HS-2N-1000-M	1	0			1,020	46.4	1,540			
NPS00	HS2N1000	6/1/2000	HS-2N-1000-M	2	0			1,250	53.0	1,330			
NPS00	HS2S0003	6/1/2000	HS-2S-0003-M	0	0			17,100	288	15,300			
NPS00	HS2S0050	6/1/2000	HS-2S-0050-M	0	0			3,650	64.1	4,960			
NPS00	HS2S0100	6/1/2000	HS-2S-0100-M	0	0			2,340	45.5	3,100			
NPS00	HS2S0250	6/1/2000	HS-2S-0250-M	0	0			1,030	22.4	2,050			
NPS00	HS2S1000	6/1/2000	HS-2S-1000-M	0	0			325	10.1	1,630			
NPS00	HS3N0003	6/1/2000	HS-3N-0003-M	0	0			19,500	402	24,000			
NPS00	HS3N0050	6/1/2000	HS-3N-0050-M	0	0			13,400	193	9,600			
NPS00	HS3N0100	6/1/2000	HS-3N-0100-M	0	0			8,600	140	6,350			
NPS00	HS3N0250	6/1/2000	HS-3N-0250-M	0	0			2,120	44.0	2,780			
NPS00	HS3N1000	6/1/2000	HS-3N-1000-M	0	0			802	21.4	2,230			
NPS00	HS3N1600	6/1/2000	HS-3N-1600-M	0	0			964	30.4	1,750			
NPS00	HS3S0003	6/1/2000	HS-3S-0003-M	0	0			18,900	408	8,260			
NPS00	HS3S0050	6/1/2000	HS-3S-0050-M	0	0			5,410	139	2,920			
NPS00	HS3S0100	6/1/2000	HS-3S-0100-M	0	0			2,140	83.5	1,470			
NPS00	HS3S0250	6/1/2000	HS-3S-0250-M	0	0			1,070	40.5	1,590			
NPS00	HS3S1000	6/1/2000	HS-3S-1000-M	0	0			445	16.8	1,560			
FUGDST01	PO-01M	8/23/2001	PO-01-M	0	0				323				
FUGDST01	PO-02M	8/23/2001	PO-02-M	0	0				622				
FUGDST01	PO-04M	8/23/2001	PO-04-M	1	0				555				
FUGDST01	PO-04M	8/23/2001	PO-04-M	2	0				496				
FUGDST01	PO-05M	8/23/2001	PO-05-M	0	0				1,670				
FUGDST01	PO-06M	8/23/2001	PO-06-M	0	0				937				
FUGDST01	PO-07M	8/23/2001	PO-07-M	0	0				381				
FUGDST01	PO-09M	8/23/2001	PO-09-M	0	0				377				
FUGDST01	PO-10M	8/23/2001	PO-10-M	1	0				466				
FUGDST01	PO-11M	8/23/2001	PO-11-M	0	0				365				
FUGDST01	PO-13M	8/23/2001	PO-13-M	0	0				382				
FUGDST01	PO-15M	8/23/2001	PO-15-M	0	0				363				
FUGDST01	PO-16M	8/23/2001	PO-16-M	0	0				368				
FUGDST01	PO-17M	8/23/2001	PO-17-M	0	0				374				
FUGDST01	PO-18M	8/24/2001	PO-18-M	0	0				358				
PHASE1RA	TT1-0100	7/17/2003	MS0005	0	0	9.35	24.2	10,500 *J*	1,720		611	1.04	0.88
PHASE1RA	TT1-1000	7/19/2003	MS0008	0	0	0.933	4.56	914 *J*	172		842	0.14	0.23
PHASE1RA	TT2-0010	7/17/2003	MS0004	0	0	7.69	21.6	17,300 *J*	506		556	0.455	1.0
PHASE1RA	TT2-0100	7/17/2003	MS0003	0	0	3.54	13.1	7,590 *J*	326		810	0.215	0.69
PHASE1RA	TT2-1000	7/19/2003	MS0006	1	0	0.533	3.48	963 *J*	38.6		517	0.098	0.27

Table C-21. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Cobalt (mg/kg dry)	Copper (mg/kg dry)	Iron (µg/g dry)	Lead (µg/g dry)	Magnesium (µg/g dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)
PHASE1RA	TT2-1000	7/19/2003	MS0006	2	0	0.663	4.21	1,380 *J*	44.8		652	0.097	0.24
PHASE1RA	TT3-0010	7/17/2003	MS0002	0	0	5.61	16.8	5,530 *J*	241		440	0.18	0.88
PHASE1RA	TT3-0100	7/17/2003	MS0001	0	0	2.88	9.73	2,880 *J*	148		273	0.107	0.61
PHASE1RA	TT3-1000	7/21/2003	MS0015	0	0	0.469	3.49	499 *J*	29.5		550	0.082	0.5
PHASE1RA	TT4-0010	7/21/2003	MS0017	0	0	7.24	40.5	15,500 *J*	632		453	0.439	2.4
PHASE1RA	TT4-0100	7/21/2003	MS0016	0	0	2.84	17.4	4,810 *J*	422		294	0.268	1.02
PHASE1RA	TT4-1000	7/21/2003	MS0014	0	0	1.46	8.62	1,580 *J*	523		294	0.338	0.66

Table C-21. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (µg/g dry)	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (µg/g dry)
Site													
FUGDST01	HR01-01A	8/20/2001	HR-01-01-M	0	0								4,180
FUGDST01	HR01-02M	8/21/2001	HR-01-02-M	0	0								2,040
FUGDST01	HR01-03M	8/24/2001	HR-01-03-M	0	0								273
FUGDST01	HR02-01M	8/20/2001	HR-02-01-M	0	0								3,140
FUGDST01	HR02-02M	8/21/2001	HR-02-02-M	0	0								949
FUGDST01	HR02-03M	8/24/2001	HR-02-03-M	0	0								59.2
FUGDST01	HR03-01M	8/19/2001	HR-03-01-M	1	0								982
FUGDST01	HR03-01M	8/19/2001	HR-03-01-M	2	0								1,340
FUGDST01	HR03-02M	8/21/2001	HR-03-02-M	0	0								435
FUGDST01	HR03-03M	8/24/2001	HR-03-03-M	0	0								164
FUGDST01	HR04-01B	8/20/2001	HR-04-01-M	0	0								1,240
FUGDST01	HR04-02M	8/21/2001	HR-04-02-M	0	0								889
FUGDST01	HR04-03M	8/24/2001	HR-04-03-M	0	0								167
FUGDST01	HR05-01M	8/21/2001	HR-05-01-M	0	0								1,360
FUGDST01	HR05-02M	8/21/2001	HR-05-02-M	0	0								460
FUGDST01	HR05-03M	8/24/2001	HR-05-03-M	0	0								118
FUGDST01	HR06-01M	8/20/2001	HR-06-01-M	0	0								1,440
FUGDST01	HR06-02M	8/21/2001	HR-06-02-M	0	0								1,200
FUGDST01	HR06-03M	8/24/2001	HR-06-03-M	0	0								1,450
FUGDST01	HR06-04M	8/24/2001	HR-06-04-M	0	0								433
FUGDST01	HR07-01M	8/20/2001	HR-07-01-M	0	0								3,190
FUGDST01	HR07-02M	8/21/2001	HR-07-02-M	1	0								1,930
FUGDST01	HR07-02M	8/21/2001	HR-07-02-M	2	0								1,870
FUGDST01	HR07-03M	8/24/2001	HR-07-03-M	0	0								407
FUGDST01	HR07-04M	8/24/2001	HR-07-04-M	0	0								228
NPS00	HS1N0003	6/1/2000	HS-1N-0003-M	1	0			0.516					1,550
NPS00	HS1N0003	6/1/2000	HS-1N-0003-M	2	0			0.518					1,590
NPS00	HS1N0050	6/1/2000	HS-1N-0050-M	0	0			0.311					1,020
NPS00	HS1N0100	6/1/2000	HS-1N-0100-M	0	0			0.173					554
NPS00	HS1N0250	6/1/2000	HS-1N-0250-M	1	0			0.0656					265
NPS00	HS1N0250	6/1/2000	HS-1N-0250-M	2	0			0.0844					297
NPS00	HS1N1000	6/1/2000	HS-1N-1000-M	1	0			0.05 *U*					141
NPS00	HS1N1000	6/1/2000	HS-1N-1000-M	2	0			0.05 *U*					164
NPS00	HS1S0003	6/1/2000	HS-1S-0003-M	0	0			0.235					1,500
NPS00	HS1S0050	6/1/2000	HS-1S-0050-M	0	0			0.0640					352
NPS00	HS1S0100	6/1/2000	HS-1S-0100-M	0	0			0.0718					207
NPS00	HS1S0250	6/1/2000	HS-1S-0250-M	0	0			0.05 *U*					148
NPS00	HS1S1000	6/1/2000	HS-1S-1000-M	0	0			0.05 *U*					111
NPS00	HS1S1600	6/1/2000	HS-1S-1600-M	0	0			0.05 *U*					96.1
NPS00	HS2N0003	6/1/2000	HS-2N-0003-M	1	0			0.904					2,720
NPS00	HS2N0003	6/1/2000	HS-2N-0003-M	2	0			0.954					2,770

Table C-21. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (µg/g dry)	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (µg/g dry)
NPS00	HS2N0050	6/1/2000	HS-2N-0050-M	0	0			0.668					1,880
NPS00	HS2N0100	6/1/2000	HS-2N-0100-M	0	0			0.335					1,040
NPS00	HS2N0250	6/1/2000	HS-2N-0250-M	1	0			0.114					493
NPS00	HS2N0250	6/1/2000	HS-2N-0250-M	2	0			0.130					538
NPS00	HS2N1000	6/1/2000	HS-2N-1000-M	1	0			0.0578					215
NPS00	HS2N1000	6/1/2000	HS-2N-1000-M	2	0			0.114					258
NPS00	HS2S0003	6/1/2000	HS-2S-0003-M	0	0			0.191					1,200
NPS00	HS2S0050	6/1/2000	HS-2S-0050-M	0	0			0.0563					321
NPS00	HS2S0100	6/1/2000	HS-2S-0100-M	0	0			0.0627					255
NPS00	HS2S0250	6/1/2000	HS-2S-0250-M	0	0			0.05 *U*					138
NPS00	HS2S1000	6/1/2000	HS-2S-1000-M	0	0			0.05 *U*					118
NPS00	HS3N0003	6/1/2000	HS-3N-0003-M	0	0			0.404					1,180
NPS00	HS3N0050	6/1/2000	HS-3N-0050-M	0	0			0.287					856
NPS00	HS3N0100	6/1/2000	HS-3N-0100-M	0	0			0.220					695
NPS00	HS3N0250	6/1/2000	HS-3N-0250-M	0	0			0.0711					259
NPS00	HS3N1000	6/1/2000	HS-3N-1000-M	0	0			0.0663					158
NPS00	HS3N1600	6/1/2000	HS-3N-1600-M	0	0			0.05 *U*					169
NPS00	HS3S0003	6/1/2000	HS-3S-0003-M	0	0			0.864					2,860
NPS00	HS3S0050	6/1/2000	HS-3S-0050-M	0	0			0.215					751
NPS00	HS3S0100	6/1/2000	HS-3S-0100-M	0	0			0.138					453
NPS00	HS3S0250	6/1/2000	HS-3S-0250-M	0	0			0.0582					222
NPS00	HS3S1000	6/1/2000	HS-3S-1000-M	0	0			0.05 *U*					112
FUGDST01	PO-01M	8/23/2001	PO-01-M	0	0								1,370 *J*
FUGDST01	PO-02M	8/23/2001	PO-02-M	0	0								2,540 *J*
FUGDST01	PO-04M	8/23/2001	PO-04-M	1	0								2,160 *J*
FUGDST01	PO-04M	8/23/2001	PO-04-M	2	0								2,020 *J*
FUGDST01	PO-05M	8/23/2001	PO-05-M	0	0								6,480 *J*
FUGDST01	PO-06M	8/23/2001	PO-06-M	0	0								3,950 *J*
FUGDST01	PO-07M	8/23/2001	PO-07-M	0	0								1,580 *J*
FUGDST01	PO-09M	8/23/2001	PO-09-M	0	0								1,560 *J*
FUGDST01	PO-10M	8/23/2001	PO-10-M	1	0								1,930 *J*
FUGDST01	PO-11M	8/23/2001	PO-11-M	0	0								1,260 *J*
FUGDST01	PO-13M	8/23/2001	PO-13-M	0	0								1,580 *J*
FUGDST01	PO-15M	8/23/2001	PO-15-M	0	0								1,500 *J*
FUGDST01	PO-16M	8/23/2001	PO-16-M	0	0								1,520 *J*
FUGDST01	PO-17M	8/23/2001	PO-17-M	0	0								1,550 *J*
FUGDST01	PO-18M	8/24/2001	PO-18-M	0	0								1,480 *J*
PHASE1RA	TT1-0100	7/17/2003	MS0005	0	0	26.1	0.7 *J*	2.75	29.4	0.601	2 *U*	8.08	8,120
PHASE1RA	TT1-1000	7/19/2003	MS0008	0	0	3.09	0.2 *U*	0.34	7	0.108	7.8 *U*	0.98	869
PHASE1RA	TT2-0010	7/17/2003	MS0004	0	0	25.5	0.6 *J*	0.93	36.1	0.333	2 *U*	12	2,910
PHASE1RA	TT2-0100	7/17/2003	MS0003	0	0	11.7	0.3 *J*	0.53	17.7	0.153	2 *U*	5.18	1,340
PHASE1RA	TT2-1000	7/19/2003	MS0006	1	0	2.69	0.2 *U*	0.08	13.8	0.027	2.4 *U*	1.05	234

Table C-21. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (µg/g dry)	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (µg/g dry)
PHASE1RA	TT2-1000	7/19/2003	MS0006	2	0	3.46	0.2 *U*	0.1	14.2	0.041	2.2 *U*	1.23	267
PHASE1RA	TT3-0010	7/17/2003	MS0002	0	0	25.2	0.6 *J*	0.52	55.2	0.265	2 *U*	12.3	1,110
PHASE1RA	TT3-0100	7/17/2003	MS0001	0	0	12.6	0.3 *J*	0.28	23.1	0.149	2 *U*	7.25	595
PHASE1RA	TT3-1000	7/21/2003	MS0015	0	0	3.72	0.2 *U*	0.07	5.4	0.053	2.1 *U*	1.3	135
PHASE1RA	TT4-0010	7/21/2003	MS0017	0	0	31.6	1.5	1.26	107	1.84	2 *U*	14.7	2,400
PHASE1RA	TT4-0100	7/21/2003	MS0016	0	0	15.8	0.6 *J*	0.7	48.6	0.759	2 *U*	7.25	1,090
PHASE1RA	TT4-1000	7/21/2003	MS0014	0	0	6.43	0.4 *J*	0.82	23.4	0.612	3.1 *U*	1.8	1,290

Note: *J* - estimated
U - undetected at detection limit shown

Table C-22. Analytical results for moss (reference)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Total Solids (dry wt. as % of wet wt. or volume) (% wet)	Aluminum (µg/g dry)	Antimony (mg/kg dry)	Arsenic (µg/g dry)	Barium (mg/kg dry)	Cadmium (µg/g dry)	Calcium (µg/g dry)	Chromium (mg/kg dry)	Cobalt (mg/kg dry)
Reference														
PHASE1RA	TS-REF-7	7/20/2003	MS0011	0	0	86.3	174	0.09	0.2 *J*	103	0.38		1.37	2.03
PHASE1RA	TS-REF-8	7/20/2003	MS0010	0	0	98.6	713	0.15	0.3 *J*	119	0.34		2.96	0.758
PHASE1RA	TS-REF10	7/20/2003	MS0009	0	0	94.8	175	0.07	0.2 *J*	51.2	0.26		1.29	0.288

Table C-22. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Copper (mg/kg dry)	Iron (µg/g dry)	Lead (µg/g dry)	Magnesium (µg/g dry)	Manganese (mg/kg dry)	Mercury (mg/kg dry)	Molybdenum (mg/kg dry)	Nickel (mg/kg dry)
Reference													
PHASE1RA	TS-REF-7	7/20/2003	MS0011	0	0	3.73	327 *J*	9.64		712	0.047	0.3	6.34
PHASE1RA	TS-REF-8	7/20/2003	MS0010	0	0	4.35	1,210 *J*	7.71		520	0.067	0.14	4.77
PHASE1RA	TS-REF10	7/20/2003	MS0009	0	0	3.29	337 *J*	6.64		423	0.058	0.25	2.58

Table C-22. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Selenium (mg/kg dry)	Silver (μg/g dry)	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (μg/g dry)
Reference												
PHASE1RA	TS-REF-7	7/20/2003	MS0011	0	0	0.2 *U*	0.02	5.4	0.04	2 *U*	0.61	47.9
PHASE1RA	TS-REF-8	7/20/2003	MS0010	0	0	0.2 *U*	0.03	11	0.02 *J*	2.2 *U*	1.73	64
PHASE1RA	TS-REF10	7/20/2003	MS0009	0	0	0.2 *U*	0.02	4.1	0.019 *J*	2.1 *U*	0.67	55

Note: *J* - estimated
U - undetected at detection limit shown

Table C-23. Analytical results for fish tissue (site)

Survey	Survey Station	Station Description	Date	Sample ID	Field Replicate	Subsample	Total Solids (dry wt. as % of wet wt. or volume) (% dry)	Cadmium (mg/kg dry)	Lead (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)
ADFG01	ACNF	Aufeis Cr., North Fork upstream of DMTS	8/7/2001	AUUSDVJ01	0	0	22.3	0.11	0.17	3.5	106
ADFG01	ACNF	Aufeis Cr., North Fork upstream of DMTS	8/7/2001	AUUSDVJ02	0	0	25.4	0.16	6	7	85.4
ADFG01	ACNF	Aufeis Cr., North Fork upstream of DMTS	8/7/2001	AUUSDVJ03	0	0	22.8	0.12	1.55	2.6	84.5
ADFG01	ACNF	Aufeis Cr., North Fork upstream of DMTS	8/7/2001	AUUSDVJ04	0	0	23.2	0.11	0.36	3.1	84.6
ADFG01	ACNF	Aufeis Cr., North Fork upstream of DMTS	8/7/2001	AUUSDVJ05	0	0	19.7	0.17	0.13	5	121
ADFG01	ARC	Anxiety Ridge Creek	8/25/1993	ARDVJ1	0	0	22.3	0.26	1.52		
ADFG01	ARC	Anxiety Ridge Creek	8/25/1993	ARDVJ2	0	0	24.4	0.24	2.12		
ADFG01	ARC	Anxiety Ridge Creek	8/25/1993	ARDVJ3	0	0	24.4	0.28	2.51		
ADFG01	ARC	Anxiety Ridge Creek	8/25/1993	ARDVJ4	0	0	24.3	0.24	1.52		
ADFG01	ARC	Anxiety Ridge Creek	8/25/1993	ARDVJ5	0	0	24.9	0.20	0.69		
ADFG01	ARC	Anxiety Ridge Creek	8/25/1993	ARDVJ6	0	0	23.3	0.24	2.6		
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ1	0	0	24	0.14	1.03	2.89	
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ10	0	0	22.4	0.13	1.15	4.26	
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ2	0	0	21.6	0.10	0.72	2.45	
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ3	0	0	21.3	0.18	1.33	5.19	
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ4	0	0	23.2	0.21	1.45	2.83	
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ5	0	0	22.7	0.15	1.77	3.12	
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ6	0	0	21.9	0.16	0.62	3.03	
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ7	0	0	23.9	0.11	0.17	5.12	
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ8	0	0	22.1	0.11	1.07	3.51	
ADFG01	ARC	Anxiety Ridge Creek	8/10/1998	AXDVJ9	0	0	18.6	0.15	0.41	3.64	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ01	0	0	23.2	0.22	0.42	5.63	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ02	0	0	23	0.39	0.51	5.87	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ03	0	0	23.3	0.18	0.48	4.55	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ04	0	0	22.9	0.37	1.2	4.17	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ05	0	0	17.6	0.13	0.27	3.96	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ06	0	0	22.2	0.26	0.36	4.31	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ07	0	0	20.4	0.34	1.1	5.24	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ08	0	0	23.4	0.14	0.43	4.89	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ09	0	0	21.9	0.23	0.68	4.48	
ADFG01	ARC	Anxiety Ridge Creek	8/11/1999	AXDVJ10	0	0	25	0.27	0.56	5.46	
ADFG01	ARC	Anxiety Ridge Creek	8/1/2000	AXDVJ01	0	0	21.9	0.21	1.36	3.4	
ADFG01	ARC	Anxiety Ridge Creek	8/1/2000	AXDVJ02	0	0	21.4	0.31	2.86	5.4	
ADFG01	ARC	Anxiety Ridge Creek	8/1/2000	AXDVJ03	0	0	19.8	0.31	2.09	3.9	
ADFG01	ARC	Anxiety Ridge Creek	8/1/2000	AXDVJ04	0	0	25.2	0.11	2.3	3.9	
ADFG01	ARC	Anxiety Ridge Creek	8/1/2000	AXDVJ05	0	0	24.3	0.27	1.2	4.1	
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ01	0	0	21.6	0.10	0.21	3.1	118
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ02	0	0	23.9	0.080	0.09	2.6	111
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ03	0	0	23.8	0.050	0.13	3.4	99.1
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ04	0	0	17.4	0.090	0.41	2.7	131
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ05	0	0	22.3	0.070	0.08	2.6	97.7
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ06	0	0	21.9	0.070	0.51	2.9	121
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ07	0	0	21.6	0.10	1.05	2.8	100

Table C-23. (cont.)

Survey	Survey Station	Station Description	Date	Sample ID	Field Replicate	Subsample	Total Solids (dry wt. as % of wet wt. or volume) (% dry)	Cadmium (mg/kg dry)	Lead (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ08	0	0	23.1	0.060	0.22	3.3	116
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ09	0	0	22	0.060	0.27	3.4	106
ADFG01	OCDN	Omikviorok Cr. downstream of DMTS	8/6/2001	OMDSDVJ10	0	0	22.3	0.050	0.21	2.1	107
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ01	0	0	22	0.090	3.03	3.1	107
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ02	0	0	19.1	0.11	0.34	3.1	120
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ03	0	0	22.9	0.12	0.17	3.2	94.4
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ04	0	0	22.1	0.080	0.19	2.6	106
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ05	0	0	21.6	0.080	0.06	2.50	105
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ06	0	0	22.4	0.14	0.07	2.7	85.4
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ07	0	0	21.7	0.040	0.04	2.1	92.4
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ08	0	0	21.9	0.090	0.06	2.6	71.7
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ09	0	0	23.2	0.080	0.11	2.1	155
ADFG01	OCNF	Omikviorok Cr. North Fork upstream of DMTS	8/6/2001	OMUSDVJ10	0	0	22.1	0.10	0.08	2.8	144

Appendix D

Organic Chemical Data Tables

Table D-1. Analytical results for petroleum-range hydrocarbons (spill site and reference site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	C10–C25 Diesel-Range Organics (mg/kg dry)	Residual-Range Organics (mg/kg dry)	Benzene (mg/kg dry)	Ethylbenzene (mg/kg dry)	Toluene (mg/kg dry)	*meta*- and *para*-Xylenes (mg/kg dry)	*ortho*-Xylene (mg/kg dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	880 *J*	2,900 *J*	0.040 *U*	0.037 *U*	0.039 *U*	0.080 *U*	0.044 *U*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	730 *J*	6,300 *J*	0.056 *U*	0.051 *U*	0.055 *U*	0.12 *U*	0.061 *U*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	450 *J*	8,500 *J*	0.049 *U*	0.045 *U*	0.048 *U*	0.099 *U*	0.054 *U*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	1,800 *J*	12,000 *J*	0.045 *U*	0.041 *U*	0.044 *U*	0.091 *U*	0.049 *U*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	2,200 *J*	15,000 *J*	0.025 *U*	0.023 *U*	0.10 *J*	0.051 *U*	0.028 *U*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	690 *J*	10,000 *J*	0.039 *U*	0.036 *U*	0.038 *U*	0.079 *U*	0.043 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	4,400 *J*	23,000 *J*	0.040 *U*	0.036 *U*	2.7	0.080 *U*	0.043 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	4,800 *J*	25,000 *J*	0.041 *UJ*	0.038 *UJ*	1.8 *J*	0.083 *UJ*	0.045 *UJ*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	2,400 *J*	15,000 *J*	0.022 *U*	0.021 *U*	0.94	0.045 *U*	0.024 *U*
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	450 *J*	4,000 *J*	0.049 *U*	0.045 *U*	0.087 *UJ*	0.098 *U*	0.053 *U*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	1,400 *J*	9,200 *J*	0.042 *U*	0.039 *U*	0.080 *UJ*	0.085 *U*	0.046 *U*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1,900 *J*	11,000 *J*	0.022 *U*	0.020 *U*	0.044 *UJ*	0.044 *U*	0.024 *U*

Table D-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Benz[a]-anthracene (µg/kg dry)	Benzo[a]-pyrene (µg/kg dry)	Benzo[b]-fluoranthene (µg/kg dry)	Benzo[ghi]-perylene (µg/kg dry)	Benzo[k]-fluoranthene (µg/kg dry)	Chrysene (µg/kg dry)	Dibenz[a,h]-anthracene (µg/kg dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	0.81 *J*	0.70 *J*	1.1 *J*	2.2 *U*	0.81 *J*	2.4 *J*	0.79 *U*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	0.94 *J*	0.89 *U*	0.89 *U*	3.1 *U*	0.95 *U*	1.8 *J*	1.7 *U*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	2.1 *J*	1.4 *J*	2.5 *J*	2.3 *U*	2.4 *J*	4.1 *J*	1.1 *U*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	2.0 *J*	6.5 *J*	6.5 *J*	19 *J*	5.3 *J*	5.5 *J*	9.2 *J*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	0.73 *U*	1.2 *J*	1.5 *J*	6.8 *J*	0.84 *U*	2.5 *J*	6.4 *J*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	1.2 *U*	1.3 *U*	1.3 *U*	7.9 *J*	1.4 *U*	1.6 *J*	15 *J*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	2.4 *U*	2.6 *J*	2.6 *U*	7.5 *J*	2.8 *U*	2.8 *U*	3.4 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	2.5 *U*	2.7 *U*	2.7 *U*	7.1 *J*	2.9 *U*	2.9 *U*	12 *J*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	1.3 *U*	1.4 *U*	1.4 *U*	2.2 *U*	1.5 *U*	2.3 *J*	1.8 *U*
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	0.72 *U*	0.77 *U*	0.77 *U*	0.55 *U*	0.83 *U*	0.83 *U*	0.99 *UJ*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	0.97 *U*	1.1 *U*	1.1 *U*	0.74 *U*	1.2 *U*	1.7 *J*	1.4 *UJ*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1.5 *U*	1.6 *U*	1.6 *U*	3.2 *J*	1.7 *U*	2.2 *J*	2.1 *UJ*

Table D-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Fluoranthene (µg/kg dry)	Indeno[1,2,3-cd]pyrene (µg/kg dry)	Pyrene (µg/kg dry)	Acenaph-thene (µg/kg dry)	Acenaph-thylene (µg/kg dry)	Anthracene (µg/kg dry)	Fluorene (µg/kg dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	2.8 *J*	1.8 *U*	2.3 *J*	0.93 *U*	0.71 *U*	1.1 *J*	1.7 *J*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	3.1 *J*	2.6 *U*	2.3 *J*	2.0 *J*	1.1 *U*	3.5 *J*	5.8 *J*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	8.9 *J*	2.8 *U*	5.4 *J*	1.2 *U*	0.90 *U*	1.6 *J*	1.1 *J*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	4.4 *J*	18 *J*	3.5 *J*	2.2 *U*	1.7 *U*	2.0 *U*	1.8 *U*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	2.3 *J*	6.0 *J*	1.4 *J*	1.2 *U*	0.90 *U*	1.1 *U*	0.95 *U*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	2.5 *J*	9.6 *J*	1.7 *J*	1.9 *U*	1.5 *U*	1.7 *U*	1.5 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	3.2 *U*	3.8 *U*	2.1 *U*	3.9 *U*	3.0 *U*	3.5 *U*	3.2 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	3.8 *J*	4.7 *J*	2.7 *J*	4.0 *U*	3.1 *U*	3.6 *U*	3.2 *U*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	2.7 *J*	1.5 *U*	2.0 *J*	2.1 *U*	1.6 *U*	1.9 *U*	1.7 *U*
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	1.4 *J*	0.83 *UJ*	1.1 *J*	1.8 *J*	0.88 *U*	1.1 *U*	0.94 *U*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	1.3 *U*	1.2 *UJ*	1.0 *J*	1.6 *U*	1.2 *U*	1.5 *U*	1.3 *U*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1.9 *U*	1.7 *UJ*	1.3 *U*	2.4 *U*	1.8 *U*	2.2 *U*	2.2 *J*

Table D-1. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Naphthalene (µg/kg dry)	Phenanthrene (µg/kg dry)	2-Methyl-naphthalene (µg/kg dry)	Dibenzofuran (µg/kg dry)
Site											
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	7.4 *J*	7.1 *J*	13 *J*	2.6 *J*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	2.6 *J*	4.0 *J*	9.9 *J*	2.2 *J*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	1.7 *J*	3.9 *J*	2.0 *J*	1.4 *J*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	4.9 *J*	4.4 *J*	2.2 *U*	2.1 *U*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	2.3 *J*	3.9 *J*	1.5 *J*	1.2 *U*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	3.7 *J*	3.5 *J*	2.3 *J*	1.8 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	3.9 *U*	3.6 *J*	3.9 *U*	3.7 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	4.4 *J*	6.7 *J*	4.0 *U*	3.8 *U*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	2.4 *J*	6.0 *J*	2.4 *J*	2.0 *U*
Reference											
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	1.2 *UJ*	1.1 *J*	1.2 *UJ*	1.1 *U*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	1.6 *UJ*	1.5 *J*	1.6 *UJ*	1.5 *U*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	2.4 *UJ*	3.9 *J*	2.4 *UJ*	2.3 *U*

Note: *J* - estimated
U - undetected at detection limit shown

Table D-2. Analytical results for volatile organic compounds (spill site and reference site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	C10–C25 Diesel-Range Organics (mg/kg dry)	Residual-Range Organics (mg/kg dry)	Benzene (mg/kg dry)	Ethylbenzene (mg/kg dry)	Toluene (mg/kg dry)	*meta*- and *para*-Xylenes (mg/kg dry)	*ortho*-Xylene (mg/kg dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	880 *J*	2,900 *J*	0.040 *U*	0.037 *U*	0.039 *U*	0.080 *U*	0.044 *U*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	730 *J*	6,300 *J*	0.056 *U*	0.051 *U*	0.055 *U*	0.12 *U*	0.061 *U*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	450 *J*	8,500 *J*	0.049 *U*	0.045 *U*	0.048 *U*	0.099 *U*	0.054 *U*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	1,800 *J*	12,000 *J*	0.045 *U*	0.041 *U*	0.044 *U*	0.091 *U*	0.049 *U*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	2,200 *J*	15,000 *J*	0.025 *U*	0.023 *U*	0.10 *J*	0.051 *U*	0.028 *U*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	690 *J*	10,000 *J*	0.039 *U*	0.036 *U*	0.038 *U*	0.079 *U*	0.043 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	4,400 *J*	23,000 *J*	0.040 *U*	0.036 *U*	2.7	0.080 *U*	0.043 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	4,800 *J*	25,000 *J*	0.041 *UJ*	0.038 *UJ*	1.8 *J*	0.083 *UJ*	0.045 *UJ*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	2,400 *J*	15,000 *J*	0.022 *U*	0.021 *U*	0.94	0.045 *U*	0.024 *U*
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	450 *J*	4,000 *J*	0.049 *U*	0.045 *U*	0.087 *UJ*	0.098 *U*	0.053 *U*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	1,400 *J*	9,200 *J*	0.042 *U*	0.039 *U*	0.080 *UJ*	0.085 *U*	0.046 *U*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1,900 *J*	11,000 *J*	0.022 *U*	0.020 *U*	0.044 *UJ*	0.044 *U*	0.024 *U*

Table D-2. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Benz[a]-anthracene (µg/kg dry)	Benzo[a]-pyrene (µg/kg dry)	Benzo[b]-fluoranthene (µg/kg dry)	Benzo[ghi]-perylene (µg/kg dry)	Benzo[k]-fluoranthene (µg/kg dry)	Chrysene (µg/kg dry)	Dibenz[a,h]-anthracene (µg/kg dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	0.81 *J*	0.70 *J*	1.1 *J*	2.2 *U*	0.81 *J*	2.4 *J*	0.79 *U*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	0.94 *J*	0.89 *U*	0.89 *U*	3.1 *U*	0.95 *U*	1.8 *J*	1.7 *U*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	2.1 *J*	1.4 *J*	2.5 *J*	2.3 *U*	2.4 *J*	4.1 *J*	1.1 *U*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	2.0 *J*	6.5 *J*	6.5 *J*	19 *J*	5.3 *J*	5.5 *J*	9.2 *J*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	0.73 *U*	1.2 *J*	1.5 *J*	6.8 *J*	0.84 *U*	2.5 *J*	6.4 *J*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	1.2 *U*	1.3 *U*	1.3 *U*	7.9 *J*	1.4 *U*	1.6 *J*	15 *J*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	2.4 *U*	2.6 *J*	2.6 *U*	7.5 *J*	2.8 *U*	2.8 *U*	3.4 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	2.5 *U*	2.7 *U*	2.7 *U*	7.1 *J*	2.9 *U*	2.9 *U*	12 *J*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	1.3 *U*	1.4 *U*	1.4 *U*	2.2 *U*	1.5 *U*	2.3 *J*	1.8 *U*
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	0.72 *U*	0.77 *U*	0.77 *U*	0.55 *U*	0.83 *U*	0.83 *U*	0.99 *UJ*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	0.97 *U*	1.1 *U*	1.1 *U*	0.74 *U*	1.2 *U*	1.7 *J*	1.4 *UJ*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1.5 *U*	1.6 *U*	1.6 *U*	3.2 *J*	1.7 *U*	2.2 *J*	2.1 *UJ*

Table D-2. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Fluoranthene (µg/kg dry)	Indeno[1,2,3-cd]pyrene (µg/kg dry)	Pyrene (µg/kg dry)	Acenaph-thene (µg/kg dry)	Acenaph-thylene (µg/kg dry)	Anthracene (µg/kg dry)	Fluorene (µg/kg dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	2.8 *J*	1.8 *U*	2.3 *J*	0.93 *U*	0.71 *U*	1.1 *J*	1.7 *J*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	3.1 *J*	2.6 *U*	2.3 *J*	2.0 *J*	1.1 *U*	3.5 *J*	5.8 *J*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	8.9 *J*	2.8 *U*	5.4 *J*	1.2 *U*	0.90 *U*	1.6 *J*	1.1 *J*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	4.4 *J*	18 *J*	3.5 *J*	2.2 *U*	1.7 *U*	2.0 *U*	1.8 *U*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	2.3 *J*	6.0 *J*	1.4 *J*	1.2 *U*	0.90 *U*	1.1 *U*	0.95 *U*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	2.5 *J*	9.6 *J*	1.7 *J*	1.9 *U*	1.5 *U*	1.7 *U*	1.5 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	3.2 *U*	3.8 *U*	2.1 *U*	3.9 *U*	3.0 *U*	3.5 *U*	3.2 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	3.8 *J*	4.7 *J*	2.7 *J*	4.0 *U*	3.1 *U*	3.6 *U*	3.2 *U*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	2.7 *J*	1.5 *U*	2.0 *J*	2.1 *U*	1.6 *U*	1.9 *U*	1.7 *U*
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	1.4 *J*	0.83 *UJ*	1.1 *J*	1.8 *J*	0.88 *U*	1.1 *U*	0.94 *U*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	1.3 *U*	1.2 *UJ*	1.0 *J*	1.6 *U*	1.2 *U*	1.5 *U*	1.3 *U*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1.9 *U*	1.7 *UJ*	1.3 *U*	2.4 *U*	1.8 *U*	2.2 *U*	2.2 *J*

Table D-2. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Naphthalene (μg/kg dry)	Phenanthrene (μg/kg dry)	2-Methyl-naphthalene (μg/kg dry)	Dibenzofuran (μg/kg dry)
Site											
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	7.4 *J*	7.1 *J*	13 *J*	2.6 *J*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	2.6 *J*	4.0 *J*	9.9 *J*	2.2 *J*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	1.7 *J*	3.9 *J*	2.0 *J*	1.4 *J*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	4.9 *J*	4.4 *J*	2.2 *U*	2.1 *U*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	2.3 *J*	3.9 *J*	1.5 *J*	1.2 *U*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	3.7 *J*	3.5 *J*	2.3 *J*	1.8 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	3.9 *U*	3.6 *J*	3.9 *U*	3.7 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	4.4 *J*	6.7 *J*	4.0 *U*	3.8 *U*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	2.4 *J*	6.0 *J*	2.4 *J*	2.0 *U*
Reference											
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	1.2 *UJ*	1.1 *J*	1.2 *UJ*	1.1 *U*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	1.6 *UJ*	1.5 *J*	1.6 *UJ*	1.5 *U*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	2.4 *UJ*	3.9 *J*	2.4 *UJ*	2.3 *U*

Note: *J* - estimated
U - undetected at detection limit shown

Table D-3. Analytical results for polycyclic aromatic hydrocarbons (spill site and reference site)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Benz[a]-anthracene (µg/kg dry)	Benzo[a]-pyrene (µg/kg dry)	Benzo[b]-fluoranthene (µg/kg dry)	Benzo[ghi]-perylene (µg/kg dry)	Benzo[k]-fluoranthene (µg/kg dry)	Chrysene (µg/kg dry)	Dibenz[a,h]-anthracene (µg/kg dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	0.81 *J*	0.70 *J*	1.1 *J*	2.2 *U*	0.81 *J*	2.4 *J*	0.79 *U*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	0.94 *J*	0.89 *U*	0.89 *U*	3.1 *U*	0.95 *U*	1.8 *J*	1.7 *U*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	2.1 *J*	1.4 *J*	2.5 *J*	2.3 *U*	2.4 *J*	4.1 *J*	1.1 *U*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	2.0 *J*	6.5 *J*	6.5 *J*	19 *J*	5.3 *J*	5.5 *J*	9.2 *J*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	0.73 *U*	1.2 *J*	1.5 *J*	6.8 *J*	0.84 *U*	2.5 *J*	6.4 *J*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	1.2 *U*	1.3 *U*	1.3 *U*	7.9 *J*	1.4 *U*	1.6 *J*	15 *J*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	2.4 *U*	2.6 *J*	2.6 *U*	7.5 *J*	2.8 *U*	2.8 *U*	3.4 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	2.5 *U*	2.7 *U*	2.7 *U*	7.1 *J*	2.9 *U*	2.9 *U*	12 *J*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	1.3 *U*	1.4 *U*	1.4 *U*	2.2 *U*	1.5 *U*	2.3 *J*	1.8 *U*
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	0.72 *U*	0.77 *U*	0.77 *U*	0.55 *U*	0.83 *U*	0.83 *U*	0.99 *UJ*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	0.97 *U*	1.1 *U*	1.1 *U*	0.74 *U*	1.2 *U*	1.7 *J*	1.4 *UJ*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1.5 *U*	1.6 *U*	1.6 *U*	3.2 *J*	1.7 *U*	2.2 *J*	2.1 *UJ*

Table D-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Fluoranthene (µg/kg dry)	Indeno[1,2,3-cd]pyrene (µg/kg dry)	Pyrene (µg/kg dry)	Acenaph-thene (µg/kg dry)	Acenaph-thylene (µg/kg dry)	Anthracene (µg/kg dry)	Fluorene (µg/kg dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	2.8 *J*	1.8 *U*	2.3 *J*	0.93 *U*	0.71 *U*	1.1 *J*	1.7 *J*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	3.1 *J*	2.6 *U*	2.3 *J*	2.0 *J*	1.1 *U*	3.5 *J*	5.8 *J*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	8.9 *J*	2.8 *U*	5.4 *J*	1.2 *U*	0.90 *U*	1.6 *J*	1.1 *J*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	4.4 *J*	18 *J*	3.5 *J*	2.2 *U*	1.7 *U*	2.0 *U*	1.8 *U*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	2.3 *J*	6.0 *J*	1.4 *J*	1.2 *U*	0.90 *U*	1.1 *U*	0.95 *U*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	2.5 *J*	9.6 *J*	1.7 *J*	1.9 *U*	1.5 *U*	1.7 *U*	1.5 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	3.2 *U*	3.8 *U*	2.1 *U*	3.9 *U*	3.0 *U*	3.5 *U*	3.2 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	3.8 *J*	4.7 *J*	2.7 *J*	4.0 *U*	3.1 *U*	3.6 *U*	3.2 *U*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	2.7 *J*	1.5 *U*	2.0 *J*	2.1 *U*	1.6 *U*	1.9 *U*	1.7 *U*
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	1.4 *J*	0.83 *UJ*	1.1 *J*	1.8 *J*	0.88 *U*	1.1 *U*	0.94 *U*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	1.3 *U*	1.2 *UJ*	1.0 *J*	1.6 *U*	1.2 *U*	1.5 *U*	1.3 *U*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1.9 *U*	1.7 *UJ*	1.3 *U*	2.4 *U*	1.8 *U*	2.2 *U*	2.2 *J*

Table D-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Upper Depth (cm)	Lower Depth (cm)	Naphthalene (µg/kg dry)	Phenanthrene (µg/kg dry)	2-Methyl-naphthalene (µg/kg dry)	Dibenzofuran (µg/kg dry)
Site											
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	7.4 *J*	7.1 *J*	13 *J*	2.6 *J*
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	2.6 *J*	4.0 *J*	9.9 *J*	2.2 *J*
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	1.7 *J*	3.9 *J*	2.0 *J*	1.4 *J*
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	4.9 *J*	4.4 *J*	2.2 *U*	2.1 *U*
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	2.3 *J*	3.9 *J*	1.5 *J*	1.2 *U*
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	3.7 *J*	3.5 *J*	2.3 *J*	1.8 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	3.9 *U*	3.6 *J*	3.9 *U*	3.7 *U*
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	4.4 *J*	6.7 *J*	4.0 *U*	3.8 *U*
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	2.4 *J*	6.0 *J*	2.4 *J*	2.0 *U*
Reference											
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	1.2 *UJ*	1.1 *J*	1.2 *UJ*	1.1 *U*
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	1.6 *UJ*	1.5 *J*	1.6 *UJ*	1.5 *U*
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	2.4 *UJ*	3.9 *J*	2.4 *UJ*	2.3 *U*

Note: *J* - estimated
U - undetected at detection limit shown