

Appendix C

Inorganic Chemical Data Used in CoPC Screening

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

Survey	Survey Station	Survey Date	Sample ID	Field Replicate	Field 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	Survey Date	Sample ID	Field Replicate	Field 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 <i>J</i>				
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 <i>U</i>				
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 <i>J</i>				
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 <i>J</i>				
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 <i>J</i>				
PSCHAR	CAG-S34	9/19/2002	CAG-S34-VS	0	0					22.7 <i>J</i>				
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 <i>U</i>		28.5 <i>J</i>				
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 <i>J</i>				
PSCHAR	CAG-X100	8/28/2002	CAG-X100-VS	0	0					0.55 <i>U</i>				
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 <i>J</i>				
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 <i>J</i>				
PSCHAR	CAG-X30	8/28/2002	CAG-X30-VS	0	0					1.9 <i>J</i>				
PSCHAR	CAG-X31	8/28/2002	CAG-X31-VS	0	0					16.4 <i>J</i>				
PSCHAR	CAG-X8	7/2/2002	CAG-X-8	0	0					4.4 <i>J</i>				
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 <i>J</i>				
PSCHAR	CAG-Y29	9/16/2002	CAG-Y29-VS	0	0					0.50 <i>U</i>				
PSCHAR	CAG-Y30	9/16/2002	CAG-Y30-VS	0	0					0.50 <i>U</i>				
PSCHAR	CAG-Y31	8/28/2002	CAG-Y31-VS	0	0					55.4 <i>J</i>				
PSCHAR	CAG-Y32	8/28/2002	CAG-Y32-VS	0	0					3.8 <i>J</i>				
PSCHAR	CAG-Y33	8/28/2002	CAG-Y33-VS	0	0					0.55 <i>UR</i>				
PSCHAR	CAG-Z27	8/28/2002	CAG-Z27-VS	0	0					12.3 <i>J</i>				
PSCHAR	CAG-Z28	8/28/2002	CAG-Z28-VS	0	0					14.7 <i>J</i>				
PSCHAR	CAG-Z29	8/28/2002	CAG-Z29-VS	0	0					0.55 <i>UR</i>				
PSCHAR	CAG-Z30	8/28/2002	CAG-Z30-VS	0	0					0.55 <i>UR</i>				
PSCHAR	CAG-Z31	8/28/2002	CAG-Z31-VS	0	0					0.50 <i>UR</i>				
PSCHAR	CAG-Z32	8/28/2002	CAG-Z32-VS	0	0					13.0 <i>J</i>				

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	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.)

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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 <i>J</i>				
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 <i>U</i>				
PSCHAR	ROT5500S	7/5/2002	ROT5-500-S	0	0					1.20				
PSCHAR	ROT6-10S	7/5/2002	ROT610S	0	0	6,980		12 <i>U</i>		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 <i>J</i>				
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	ROT8-0S	0	0	6,630		11 <i>U</i>		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 <i>U</i>				
PSCHAR	ROT9-0N	7/3/2002	ROT9-0N	0	0					31.8				
PSCHAR	ROT9-0S	7/5/2002	ROT9-0S	1	0					35.1				
PSCHAR	ROT9-0S	7/5/2002	ROT9-0S	2	0					27.1 <i>J</i>				
PSCHAR	ROT9-10N	7/5/2002	ROT9-10N	0	0					32.6 <i>J</i>				
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 <i>U</i>				
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 <i>UJ</i>				
PSCHAR	TUB-2	7/5/2002	TU-2-VS	0	0					0.5 <i>UJ</i>				
PSCHAR	TUB-3	8/11/2002	TU-3-VS	0	0					22 <i>J</i>				
PSCHAR	TUB-4	8/11/2002	TU-4-VS	0	0					1.4 <i>J</i>				
PSCHAR	TUB-5	7/5/2002	TU-5-VS	0	0					0.55 <i>UJ</i>				
PSCHAR	TUF-1	7/9/2002	TUF1	0	0					0.550 <i>U</i>				
PSCHAR	TUF-2	7/9/2002	TUF2	0	0					1.30				
PSCHAR	TUF-3	7/9/2002	TUF3	0	0					0.550 <i>U</i>				

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 <i>J</i>							
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 <i>J</i>							
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 <i>U</i>	1.00 <i>U</i>	
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 <i>J</i>							
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 <i>J</i>							
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 <i>J</i>							
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 <i>J</i>							
PSCHAR	DSP-HG5B	7/26/2002	DSP-HG-5-B	0	0		95.8 <i>J</i>							

Table C-1. (cont.)

Survey	Survey Station	Survey Date	Field 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 <i>J</i>							
PSCHAR	DSP-IH5A	7/26/2002	DSP-IH-5-A	2	0		307 <i>J</i>							
PSCHAR	PG-P5S	7/28/2002	PG-P5S	0	0		8.5 <i>U</i>							
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 <i>U</i>	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 <i>U</i>	
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 <i>U</i>	24.7		1.1 <i>U</i>	
FUGDST01	RF-02	8/25/2001	RF-02	0	0	25,000	299	500		1.1 <i>U</i>	26.3		1.1 <i>U</i>	
FUGDST01	RF-03	8/25/2001	RF-03	0	0	10,500	116	376		1.1 <i>U</i>	17.3		1.1 <i>U</i>	
FUGDST01	RF-04	8/26/2001	RF-04	1	0	5,010	146	300		1.2 <i>U</i>	16.3		1.2 <i>U</i>	
FUGDST01	RF-04	8/26/2001	RF-04	2	0	5,910	182	345		1.2 <i>U</i>	20.3		1.2 <i>U</i>	
FUGDST01	RF-05	8/26/2001	RF-05	0	0	27,600	180	947		1 <i>U</i>	56		1 <i>U</i>	
FUGDST01	RF-06	8/26/2001	RF-06	0	0	25,000	2,440	879		1 <i>U</i>	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 <i>U</i>	21.1		0.90 <i>U</i>	
PHASE1RA	RF-10	7/14/2003	SL0009	0	0	22,700	389 <i>J</i>	548	0.300	0.490	24.0	0.500 <i>J</i>	0.660	55.2
PHASE1RA	RF-107	7/17/2003	SL0019	0	0	16,300	2,030 <i>J</i>	435	1.69	1.2 <i>J</i>	22.6	3 <i>J</i>	2.33	63.1
PHASE1RA	RF-16	7/14/2003	SL0008	0	0	32,000	144 <i>J</i>	483	0.160	0.640	37.0	0.700 <i>J</i>	0.250	90.1
PHASE1RA	RF-18	7/14/2003	SL0007	0	0	11,300	93.7 <i>J</i>	406	0.130	0.440	21.8	0.300 <i>J</i>	0.180	41.6
PHASE1RA	RF-20	7/14/2003	SL0006	0	0	6,260	84.1 <i>J</i>	403	0.130	0.350	20.1	0.400 <i>J</i>	0.170	55.7
PHASE1RA	RF-22	7/14/2003	SL0005	0	0	2,840	89.1 <i>J</i>	280	0.140	0.400	19.7	0.400 <i>J</i>	0.140	36.2
PHASE1RA	RF-24	7/14/2003	SL0004	0	0	5,670	125 <i>J</i>	389	0.160	0.490	21.6	0.400 <i>J</i>	0.230	63.5
PHASE1RA	RF-27	7/22/2003	SL0029	1	0	22,800	186	892	0.09	0.93 <i>J</i>	36.9	0.7 <i>J</i>	0.3	85
PHASE1RA	RF-27	7/22/2003	SL0029	2	0	22,700	185	783	0.1	0.92 <i>J</i>	31.4	0.7 <i>J</i>	0.34	83.6
PHASE1RA	RF-32	7/14/2003	SL0003	0	0	18,400	506 <i>J</i>	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 <i>J</i>	20.8	0.9 <i>J</i>	0.61	86.3
PHASE1RA	RF-4	7/14/2003	SL0010	0	0	15,300	2,040 <i>J</i>	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 <i>J</i>	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 <i>J</i>	470	0.620	0.670	30.7	1.00 <i>J</i>	1.09	59.8
FUGDST01	RF-PORT	8/26/2001	RF-PORT	0	0	24,100	1,060	367		1.2 <i>U</i>	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 <i>J</i>							
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 <i>J</i>							
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	ROT8-0S	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	ROT9-0S	1	0		1,340							
PSCHAR	ROT9-0S	7/5/2002	ROT9-0S	2	0		1,020 <i>J</i>							
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 <i>UJ</i>							
PSCHAR	TUB-2	7/5/2002	TU-2-VS	0	0		30.8 <i>J</i>							
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 <i>J</i>							
PSCHAR	TUF-1	7/9/2002	TUF1	0	0		11.0 <i>UJ</i>							
PSCHAR	TUF-2	7/9/2002	TUF2	0	0		11.0 <i>UJ</i>							
PSCHAR	TUF-3	7/9/2002	TUF3	0	0		10.5 <i>UJ</i>							

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 <i>J</i>
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 <i>J</i>
PSCHAR	CVT7-0S	7/3/2002	CVT7-0-S	0	0				1,480 <i>J</i>
PSCHAR	CVT7-10S	7/3/2002	CVT7-10-S	1	0				1,630 <i>J</i>
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 <i>J</i>
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 <i>J</i>
PSCHAR	RAT2-50W	7/2/2002	RAT2-50-W	2	0				2,640 <i>J</i>
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 <i>J</i>
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 <i>J</i>
PSCHAR	RAT5-10W	7/2/2002	RAT5-10-W	0	0				756 <i>J</i>
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 <i>U</i>	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 <i>U</i>	12.4	754
FUGDST01	RF-04	8/26/2001	RF-04	2	0		5.5 <i>U</i>	15.1	859
FUGDST01	RF-05	8/26/2001	RF-05	0	0		5.0 <i>U</i>	31.8	1,490
FUGDST01	RF-06	8/26/2001	RF-06	0	0		5.0 <i>U</i>	24	4,840
FUGDST01	RF-07	8/26/2001	RF-07	0	0		5.5 <i>U</i>	25.1	3,140
FUGDST01	RF-08	8/26/2001	RF-08	0	0		5 <i>U</i>	9.0	1,620
PHASE1RA	RF-10	7/14/2003	SL0009	0	0	0.292	3.35 <i>U</i>	11.8	1,930
PHASE1RA	RF-107	7/17/2003	SL0019	0	0	0.781	3.9 <i>J</i>	13.5	7,880
PHASE1RA	RF-16	7/14/2003	SL0008	0	0	0.278	2.25 <i>U</i>	19.0	566
PHASE1RA	RF-18	7/14/2003	SL0007	0	0	0.147	2.95 <i>U</i>	10.9	406
PHASE1RA	RF-20	7/14/2003	SL0006	0	0	0.120	2.65 <i>U</i>	8.61	430
PHASE1RA	RF-22	7/14/2003	SL0005	0	0	0.112	2.30 <i>U</i>	8.44	319
PHASE1RA	RF-24	7/14/2003	SL0004	0	0	0.197	4.45 <i>U</i>	9.94	515
PHASE1RA	RF-27	7/22/2003	SL0029	1	0	0.437	5.7 <i>J</i>	14.7	653
PHASE1RA	RF-27	7/22/2003	SL0029	2	0	0.482	7 <i>J</i>	11	815
PHASE1RA	RF-32	7/14/2003	SL0003	0	0	1.32	3.65 <i>U</i>	14.7	1,750
PHASE1RA	RF-34	7/21/2003	SL0026	0	0	0.824	2.4 <i>U</i>	11.7	1,240
PHASE1RA	RF-4	7/14/2003	SL0010	0	0	0.613	3.20 <i>U</i>	7.94	9,380
PHASE1RA	RF-5	7/14/2003	SL0011	1	0	0.462	5.20 <i>U</i>	15.7	4,070
PHASE1RA	RF-5	7/14/2003	SL0011	2	0	0.423	3.65 <i>U</i>	15.2	3,520
FUGDST01	RF-PORT	8/26/2001	RF-PORT	0	0		6.0 <i>U</i>	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 <i>J</i>
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 <i>J</i>
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	ROT8-0S	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	ROT9-0S	1	0				5,910
PSCHAR	ROT9-0S	7/5/2002	ROT9-0S	2	0				4,110 <i>J</i>
PSCHAR	ROT9-10N	7/5/2002	ROT9-10N	0	0				4,360 <i>J</i>
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 <i>J</i>
PSCHAR	TUF-2	7/9/2002	TUF2	0	0				127 <i>J</i>
PSCHAR	TUF-3	7/9/2002	TUF3	0	0				76.2 <i>J</i>

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 <i>J</i>	7.80	144	3.59 <i>J</i>	14.0	10.6	14.3	0.5 <i>J</i>
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 <i>J</i>	19.5	139	0.240 <i>J</i>	4.94	13.2	19.3	0.4 <i>J</i>
FUGDST01	MS-3-M	8/27/2001	MS-3-M	0	0	3,060		20.2		0.500 <i>U</i>				
PHASE1RA	MS-5	7/14/2003	SL0016	0	0	12,400	0.390 <i>J</i>	35.0	109	0.260 <i>J</i>	19.3	20.6	17.5	0.5 <i>J</i>
FUGDST01	MS-5-M	8/28/2001	MS-5-M	0	0	12,400		12.8		0.500 <i>U</i>				
PHASE1RA	MS-6	7/14/2003	SL0017	0	0	5,790	0.600 <i>J</i>	6.30	622	0.330 <i>J</i>	7.47	15.7	46.5	0.4 <i>J</i>
FUGDST01	MS-6-M	8/28/2001	MS-6-M	0	0	7,380		6.40		0.500 <i>U</i>				
PHASE1RA	MS-9	7/14/2003	SL0018	0	0	1,640	0.310 <i>J</i>	4.30	231	1.31 <i>J</i>	13.3	7.28	20.8	0.3 <i>J</i>
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 <i>J</i>	360	0.120	0.335	27.3	0.500 <i>J</i>	0.250	63.6
FUGDST01	MS-2-M	8/27/2001	MS-2-M	0	0	31,600	36.9 <i>J</i>							
PHASE1RA	MS-3	7/14/2003	SL0015	0	0	33,800	26.5 <i>J</i>	853	0.0500	0.270	23.5	0.700 <i>J</i>	0.0500	22.4
FUGDST01	MS-3-M	8/27/2001	MS-3-M	0	0	21,400	35.2 <i>J</i>							
PHASE1RA	MS-5	7/14/2003	SL0016	0	0	72,600	49.0 <i>J</i>	4,080	0.0600	0.360	43.9	1.00 <i>J</i>	0.0600	20.0
FUGDST01	MS-5-M	8/28/2001	MS-5-M	0	0	37,300	22.6 <i>J</i>							
PHASE1RA	MS-6	7/14/2003	SL0017	0	0	32,300	20.5 <i>J</i>	1,900	0.120	0.280	25.1	0.900 <i>J</i>	0.100	9.30
FUGDST01	MS-6-M	8/28/2001	MS-6-M	0	0	28,400	34.3 <i>J</i>							
PHASE1RA	MS-9	7/14/2003	SL0018	0	0	7,670	8.83 <i>J</i>	250	0.180	2.77	51.4	0.700 <i>J</i>	0.200	39.8
FUGDST01	MS-9-M	8/28/2001	MS-9-M	1	0	5,300	8.60 <i>J</i>							
FUGDST01	MS-9-M	8/28/2001	MS-9-M	2	0	6,200	8.90 <i>J</i>							

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 <i>U</i>	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 <i>U</i>	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 <i>U</i>	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 <i>U</i>	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 <i>U</i>	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 <i>J</i>		
PSCHAR	CVT4-50S	6/30/2002	CVT4-50-S	0	0	0	0	4,270	9.0 <i>U</i>	18 <i>U</i>	480	48.6 <i>J</i>	11	35
PSCHAR	CVT4250N	6/30/2002	CVT4-250-N	0	0	0	0					3.90 <i>J</i>		
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	1	0	0	0					0.800 <i>UJ</i>		
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	2	0	0	0					0.850 <i>U</i>		
PSCHAR	CVT5-10N	6/30/2002	CVT5-10-N	0	0	0	0					55.4 <i>J</i>		
PSCHAR	CVT5-10S	6/30/2002	CVT5-10-S	0	0	0	0					53.8 <i>J</i>		
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 <i>U</i>	18 <i>U</i>	698	20.4 <i>J</i>	6.1	33.1
PSCHAR	CVT5500N	6/30/2002	CVT5-500-N	0	0	0	0					1.40 <i>J</i>		
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 <i>U</i>	29 <i>U</i>	85.6	1.45 <i>U</i>	2.9 <i>U</i>	2.9 <i>U</i>
PSCHAR	CVT6500N	6/30/2002	CVT6-500-N	0	0	0	0	1,800	15 <i>U</i>	29 <i>U</i>	140	5.50	2.9 <i>U</i>	11.6
PSCHAR	CVT7-10N	7/3/2002	CVT7-10-N	0	0	0	0					82.8 <i>J</i>		
PSCHAR	CVT7-50N	7/3/2002	CVT7-50-N	0	0	0	0					30.9 <i>J</i>		
PSCHAR	CVT7250N	7/3/2002	CVT7-250-N	0	0	0	0	4,100		25 <i>U</i>		70.5 <i>J</i>		
PSCHAR	CVT7500N	7/3/2002	CVT7-500-N	0	0	0	0					0.65 <i>UJ</i>		
PSCHAR	CVT8-10N	7/3/2002	CVT8-10-N	0	0	0	0					21.9 <i>J</i>		
PSCHAR	CVT8-50N	7/3/2002	CVT8-50-N	0	0	0	0					0.450 <i>U</i>		
PSCHAR	CVT8250S	7/3/2002	CVT8-250-S	0	0	0	0	5,100		14 <i>U</i>		0.650 <i>U</i>		
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 <i>U</i>		
PSCHAR	CVT9250N	7/3/2002	CVT9-250N	0	0	0	0					0.550 <i>U</i>		
PSCHAR	PG-A1	8/23/2002	PG-A1	1	0	0	0					0.75 <i>U</i>		
PSCHAR	PG-A1	8/23/2002	PG-A1	2	0	0	0					0.75 <i>U</i>		
PSCHAR	PG-A1S	8/23/2002	PG-A1-S	0	0	0	0					0.65 <i>U</i>		
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 <i>U</i>		
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 <i>U</i>		
PSCHAR	PG-B7	7/27/2002	PG-B7	0	0	0	0					0.60 <i>U</i>		
PSCHAR	PG-B8S	7/27/2002	PG-B8-S	0	0	0	0					0.4 <i>U</i>		
PSCHAR	PG-C2	8/23/2002	PG-C2	0	0	0	0					1.3 <i>U</i>		
PSCHAR	PG-C4	8/23/2002	PG-C4	0	0	0	0					0.90 <i>U</i>		
PSCHAR	PG-C5	7/9/2002	PG-C5	0	0	0	0					1.50 <i>U</i>		
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	ROT2-0SA	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	ROT3-0SA	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	ROT4-0SA	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	ROT5-0SA	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	ROT6-0SA	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 <i>J</i>	12.3 <i>J</i>	13.5 <i>J</i>	650	71.2 <i>J</i>	17.9 <i>J</i>	11.9 <i>J</i>
PHASE1RA	TT1-0100	7/17/2003	TS0012	0	0	0	2	1,820 <i>J</i>	10.8 <i>J</i>	6.1 <i>J</i>	670	67 <i>J</i>	5.15 <i>J</i>	6.13 <i>J</i>
PHASE1RA	TT1-1000	7/19/2003	TS0015	0	0	0	2	548 <i>J</i>	0.98 <i>J</i>	1 <i>J</i>	222	8.05 <i>J</i>	1.85 <i>J</i>	7.43 <i>J</i>
PHASE1RA	TT2-0010	7/17/2003	TS0011	0	0	0	2	6,000 <i>J</i>	2.06 <i>J</i>	5.1 <i>J</i>	1,590	14.1 <i>J</i>	9.9 <i>J</i>	7.9 <i>J</i>
PHASE1RA	TT2-0100	7/17/2003	TS0010	0	0	0	2	3,060 <i>J</i>	1.65 <i>J</i>	3.4 <i>J</i>	911	10.6 <i>J</i>	6.02 <i>J</i>	5.54 <i>J</i>
PHASE1RA	TT2-1000	7/19/2003	TS0014	0	0	0	2	405 <i>J</i>	0.15 <i>J</i>	0.3 <i>J</i>	53	0.73 <i>J</i>	1.03 <i>J</i>	0.58 <i>J</i>
PHASE1RA	TT3-0010	7/17/2003	TS0009	0	0	0	2	2,660 <i>J</i>	1.02 <i>J</i>	6.3 <i>J</i>	2,170	6.67 <i>J</i>	9.69 <i>J</i>	5.95 <i>J</i>
PHASE1RA	TT3-0100	7/17/2003	TS0008	0	0	0	2	1,510 <i>J</i>	0.99 <i>J</i>	2.9 <i>J</i>	1,030	3.31 <i>J</i>	3.93 <i>J</i>	2.47 <i>J</i>
PHASE1RA	TT3-1000	7/21/2003	TS0027	0	0	0	2	358 <i>J</i>	0.23 <i>J</i>	0.8 <i>J</i>	108	0.53 <i>J</i>	1.54 <i>J</i>	0.5 <i>J</i>
PHASE1RA	TT4-0010	7/21/2003	TS0028	0	0	0	2	8,240	1.98 <i>J</i>	10.3	5,060 <i>J</i>	10.2 <i>J</i>	13.8	6.57
PHASE1RA	TT4-0100	7/21/2003	TS0029	1	0	0	2	2,070	1.36 <i>J</i>	4.9	3,950 <i>J</i>	3.9 <i>J</i>	5.39	17.9
PHASE1RA	TT4-0100	7/21/2003	TS0029	2	0	0	2	3,070	2.46 <i>J</i>	5.8	5,810 <i>J</i>	7.65 <i>J</i>	6.87	12.8
PHASE1RA	TT4-1000	7/21/2003	TS0026	0	0	0	3	1,430 <i>J</i>	1.84 <i>J</i>	2.2 <i>J</i>	979	3.27 <i>J</i>	2.81 <i>J</i>	2.06 <i>J</i>

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	C1T4-0W-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 <i>J</i>	3,400		1.8 <i>U</i>
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 <i>U</i>			
PSCHAR	CVT4500N	6/30/2002	CVT4-500-N	2	0	0	0				17.0 <i>UJ</i>			
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 <i>U</i>
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 <i>J</i>			
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 <i>U</i>
PSCHAR	CVT6500N	6/30/2002	CVT6-500-N	0	0	0	0	14		16,800	181	81.8		2.9 <i>U</i>
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 <i>U</i>			
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 <i>U</i>			
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 <i>U</i>			
PSCHAR	PG-A1	8/23/2002	PG-A1	2	0	0	0				15.0 <i>U</i>			
PSCHAR	PG-A1S	8/23/2002	PG-A1-S	0	0	0	0				12.5 <i>U</i>			
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 <i>U</i>			
PSCHAR	PG-A6S	7/27/2002	PG-A6S	0	0	0	0				8.5 <i>U</i>			
PSCHAR	PG-B6	7/27/2002	PG-B6	0	0	0	0				22 <i>U</i>			
PSCHAR	PG-B7	7/27/2002	PG-B7	0	0	0	0				12 <i>U</i>			
PSCHAR	PG-B8S	7/27/2002	PG-B8-S	0	0	0	0				7.0 <i>U</i>			
PSCHAR	PG-C2	8/23/2002	PG-C2	0	0	0	0				24.5 <i>U</i>			
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 <i>UJ</i>			
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	UU		
PSCHAR	PG-D5	7/9/2002	PG-D5	0	0	0	0				26.5	UU		
PSCHAR	PG-D6	7/10/2002	PG-D6	0	0	0	0				15.5	UU		
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	UU		
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	UU		
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	UU		
PSCHAR	PG-F9	7/10/2002	PG-F9	0	0	0	0				17.5	UU		
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	UU		
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	UU	136	3.9
PSCHAR	PG-H7	7/10/2002	PG-H7	0	0	0	0				14.5	UU		
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	UU		
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	UU		
PSCHAR	PG-I11	8/11/2002	PG-I-11	2	0	0	0				21	UU		
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	UU		
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	UU		
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	ROT1-0S	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	ROT2-0SA	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	ROT3-0SA	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	ROT4-0SA	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	ROT5-0SA	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	ROT6-0SA	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 <i>U</i>			
ENSR92	TCE7	9/1/1992	TCE7	0	0	0	0				50.20 <i>U</i>			
ENSR92	TCE8	9/1/1992	TCE8	0	0	0	0				13.1 <i>U</i>			
PHASE1RA	TT1-0010	7/17/2003	TS0013	0	0	0	2	58.3 <i>J</i>	3.8 <i>J</i>	22,100 <i>J</i>	10,400	295	4.16 <i>J</i>	1.79
PHASE1RA	TT1-0100	7/17/2003	TS0012	0	0	0	2	30 <i>J</i>	0.4 <i>U</i>	7,170 <i>J</i>	3,600	1,130	1.58 <i>J</i>	1.12
PHASE1RA	TT1-1000	7/19/2003	TS0015	0	0	0	2	7.78 <i>J</i>	0.4 <i>U</i>	4,460 <i>J</i>	343	508	0.36 <i>J</i>	0.63
PHASE1RA	TT2-0010	7/17/2003	TS0011	0	0	0	2	22 <i>J</i>	0.4 <i>U</i>	19,400 <i>J</i>	661 <i>J</i>	1,100	0.39 <i>J</i>	0.63
PHASE1RA	TT2-0100	7/17/2003	TS0010	0	0	0	2	15.1 <i>J</i>	0.4 <i>U</i>	8,990 <i>J</i>	420	1,420	0.33 <i>J</i>	0.65
PHASE1RA	TT2-1000	7/19/2003	TS0014	0	0	0	2	2.88 <i>J</i>	0.4 <i>U</i>	912 <i>J</i>	12.1 <i>J</i>	340	0.2 <i>J</i>	0.8
PHASE1RA	TT3-0010	7/17/2003	TS0009	0	0	0	2	19.7 <i>J</i>	0.4 <i>U</i>	6,770 <i>J</i>	362	841	0.27 <i>J</i>	1.03
PHASE1RA	TT3-0100	7/17/2003	TS0008	0	0	0	2	10.2 <i>J</i>	0.4 <i>U</i>	4,050 <i>J</i>	203	581	0.15 <i>J</i>	0.63
PHASE1RA	TT3-1000	7/21/2003	TS0027	0	0	0	2	5.52 <i>J</i>	0.4 <i>U</i>	593 <i>J</i>	18.3 <i>J</i>	366	0.1	0.69
PHASE1RA	TT4-0010	7/21/2003	TS0028	0	0	0	2	37.1 <i>J</i>	0.4 <i>U</i>	23,800	412	630	0.4	2.84 <i>J</i>
PHASE1RA	TT4-0100	7/21/2003	TS0029	1	0	0	2	16 <i>J</i>	0.4 <i>U</i>	19,400	262	857	0.25	2.5 <i>J</i>
PHASE1RA	TT4-0100	7/21/2003	TS0029	2	0	0	2	21.7 <i>J</i>	0.4 <i>U</i>	18,700	486	2,030	0.3	2.58 <i>J</i>
PHASE1RA	TT4-1000	7/21/2003	TS0026	0	0	0	3	9.33 <i>J</i>	0.4 <i>U</i>	3,020 <i>J</i>	172	141	0.23	0.59

Table C-3. (cont.)

Survey	Survey Station	Date	Sample ID	Field		Upper	Lower	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
				Replicate	Subsample	Depth (cm)	Depth (cm)				
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	C1T4-0W-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		Upper	Lower	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
				Replicate	Subsample	Depth (cm)	Depth (cm)				
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		Upper	Lower	Nickel (mg/kg dry)	Selenium (mg/kg dry)	Silver (mg/kg dry)	Strontium (mg/kg dry)
				Replicate	Subsample	Depth (cm)	Depth (cm)				
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-K-4	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-M-7	0	0	0	0				
PSCHAR	PG-M9	8/20/2002	PG-M-9	0	0	0	0	23.5	11 U	1.1 U	
PSCHAR	PG-O2	7/28/2002	PG-O-2	0	0	0	0				
PSCHAR	PG-O4	7/28/2002	PG-O-4	0	0	0	0				
PSCHAR	PG-O6	7/28/2002	PG-O-6	0	0	0	0				
PSCHAR	PG-P1	7/28/2002	PG-P-1	0	0	0	0				
PSCHAR	PG-P3	7/28/2002	PG-P-3	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	ROT1-0S	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	ROT2-0SA	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	ROT3-0SA	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	ROT4-0SA	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	ROT5-0SA	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	ROT6-0SA	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 <i>J</i>	2.9	9.04	19.3
PHASE1RA	TT1-0100	7/17/2003	TS0012	0	0	0	2	7.45 <i>J</i>	3.3	5.41	18.3
PHASE1RA	TT1-1000	7/19/2003	TS0015	0	0	0	2	8.94 <i>J</i>	0.7 <i>J</i>	0.37	13.8
PHASE1RA	TT2-0010	7/17/2003	TS0011	0	0	0	2	17.6 <i>J</i>	1.1 <i>J</i>	1.00	32.1
PHASE1RA	TT2-0100	7/17/2003	TS0010	0	0	0	2	11.2 <i>J</i>	1 <i>J</i>	0.63	27.5
PHASE1RA	TT2-1000	7/19/2003	TS0014	0	0	0	2	1.58 <i>J</i>	0.3 <i>J</i>	0.04	24.7
PHASE1RA	TT3-0010	7/17/2003	TS0009	0	0	0	2	20.6 <i>J</i>	0.8 <i>J</i>	0.53	75.6
PHASE1RA	TT3-0100	7/17/2003	TS0008	0	0	0	2	8.89 <i>J</i>	0.6 <i>J</i>	0.35	30.8
PHASE1RA	TT3-1000	7/21/2003	TS0027	0	0	0	2	2.78 <i>J</i>	0.4 <i>J</i>	0.05	4.8
PHASE1RA	TT4-0010	7/21/2003	TS0028	0	0	0	2	32.5	1.9 <i>J</i>	1.97	67.1
PHASE1RA	TT4-0100	7/21/2003	TS0029	1	0	0	2	15.6	1.2 <i>J</i>	0.38	45.8
PHASE1RA	TT4-0100	7/21/2003	TS0029	2	0	0	2	14.4	1.4 <i>J</i>	0.58	62.1
PHASE1RA	TT4-1000	7/21/2003	TS0026	0	0	0	3	7.05 <i>J</i>	0.9 <i>J</i>	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	C1T4-0W-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	ROT1-0S	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 <i>J</i>
PSCHAR	ROT2-0SA	7/4/2002	ROT2-0SA	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	ROT3-0SA	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	ROT4-0SA	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	ROT5-0SA	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	ROT6-0SA	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 <i>J</i>

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 <i>J</i>	7.7 <i>J</i>	16.8 <i>J</i>	11,500
PHASE1RA	TT1-0100	7/17/2003	TS0012	0	0	0	2	0.723 <i>J</i>	10.6 <i>J</i>	3.7 <i>J</i>	15,000
PHASE1RA	TT1-1000	7/19/2003	TS0015	0	0	0	2	0.105 <i>J</i>	9.9 <i>J</i>	1.5 <i>J</i>	1,150
PHASE1RA	TT2-0010	7/17/2003	TS0011	0	0	0	2	0.276 <i>J</i>	2.2 <i>U</i>	8.9 <i>J</i>	3,090
PHASE1RA	TT2-0100	7/17/2003	TS0010	0	0	0	2	0.162 <i>J</i>	2.3 <i>U</i>	5 <i>J</i>	2,040
PHASE1RA	TT2-1000	7/19/2003	TS0014	0	0	0	2	0.014 <i>J</i>	14 <i>J</i>	0.7 <i>J</i>	251
PHASE1RA	TT3-0010	7/17/2003	TS0009	0	0	0	2	0.25 <i>J</i>	2.1 <i>U</i>	12.6 <i>J</i>	1,380
PHASE1RA	TT3-0100	7/17/2003	TS0008	0	0	0	2	0.127 <i>J</i>	3.1 <i>U</i>	5.3 <i>J</i>	786
PHASE1RA	TT3-1000	7/21/2003	TS0027	0	0	0	2	0.035 <i>J</i>	3.9 <i>U</i>	1.4 <i>J</i>	81.8
PHASE1RA	TT4-0010	7/21/2003	TS0028	0	0	0	2	1.14	2.3 <i>U</i>	16.1	1,320
PHASE1RA	TT4-0100	7/21/2003	TS0029	1	0	0	2	0.499	8.4 <i>J</i>	12.1	602
PHASE1RA	TT4-0100	7/21/2003	TS0029	2	0	0	2	1.02	3.7 <i>U</i>	12.6	953
PHASE1RA	TT4-1000	7/21/2003	TS0026	0	0	0	3	0.22 <i>J</i>	7.8 <i>J</i>	3.4 <i>J</i>	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	<i>U</i>					
ENSR92	KA1	9/1/1992	KA1	0	0		19.3	<i>U</i>					
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	<i>U</i>					
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	<i>U</i>					
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	<i>U</i>					
ENSR96	KA4	8/11/1996	608065-8	0	0		14						
ENSR91	KA5	9/1/1991	KA5	0	0		10.6	<i>U</i>					
ENSR92	KA5	9/1/1992	KA5	0	0		12.8	<i>U</i>					
ENSR96	KA5	8/11/1996	608065-9	0	0		6.0	<i>U</i>					
ENSR92	KB1	9/1/1992	KB1	0	0		9.80	<i>U</i>					
ENSR96	KB1	8/12/1996	608071-11	0	0		4.9	<i>UJ</i>					
ENSR92	KB2	9/1/1992	KB2	0	0		5.60	<i>U</i>					
ENSR96	KB2	8/12/1996	608071-12	0	0		7.5	<i>UJ</i>					
ENSR92	KB3	9/1/1992	KB3	0	0		23.3	<i>U</i>					
ENSR96	KB3	8/12/1996	608071-13	0	0		12	<i>UJ</i>					
ENSR92	KB4	9/1/1992	KB4	0	0		9.9						
ENSR96	KB4	8/12/1996	608071-14	0	0		6.0	<i>UJ</i>					
ENSR92	KB5	9/1/1992	KB5	0	0		13.9	<i>U</i>					
ENSR96	KB5	8/12/1996	608071-15	1	0		7.5	<i>UJ</i>					
ENSR96	KB5	8/12/1996	608071-16	2	0		11	<i>UJ</i>					
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	<i>U</i>					
ENSR96	KD10	8/11/1996	608065-19	1	0		3.7	<i>U</i>					
ENSR96	KD10	8/11/1996	608065-20	2	0		3.7	<i>U</i>					
ENSR92	KD11	9/1/1992	KD11	0	0		19.7	<i>U</i>					
ENSR96	KD11	8/11/1996	608065-21	0	0		6.0	<i>U</i>					
ENSR92	KD12	9/1/1992	KD12	0	0		11.4	<i>U</i>					
ENSR96	KD12	8/11/1996	608065-22	0	0		5.5	<i>U</i>					
ENSR92	KD13	9/1/1992	KD13	0	0		12.2	<i>U</i>					
ENSR96	KD13	8/11/1996	608065-23	0	0		5.0	<i>U</i>					
ENSR92	KD14	9/1/1992	KD14	0	0		15.0	<i>U</i>					
ENSR96	KD14	8/11/1996	608065-24	0	0		4.9	<i>U</i>					
ENSR92	KD15	9/1/1992	KD15	0	0		10.8	<i>U</i>					
ENSR96	KD15	8/11/1996	608065-25	1	0		6.0	<i>U</i>					
ENSR96	KD15	8/11/1996	608065-25	2	0		5.0	<i>U</i>					
ENSR92	KD2	9/1/1992	KD2	0	0		13.7						
ENSR96	KD2	8/11/1996	608065-11	0	0		4.0	<i>U</i>					

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

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 <i>J</i>	2.3 <i>U</i>	12 <i>J</i>	49.1
PHASE1RA	TS-REF-4	7/20/2003	TS0021	0	0	20.9	0.053 <i>J</i>	2.3 <i>U</i>	16.2 <i>J</i>	55.4
PHASE1RA	TS-REF-5	7/20/2003	TS0020	0	0	17	0.104 <i>J</i>	5 <i>J</i>	24.7 <i>J</i>	92.9
PHASE1RA	TS-REF-6	7/20/2003	TS0019	0	0	39.6	0.116 <i>J</i>	7.9 <i>J</i>	15.4 <i>J</i>	111
PHASE1RA	TS-REF-7	7/20/2003	TS0018	0	0	11.6	0.032 <i>J</i>	4.4 <i>U</i>	1.3 <i>J</i>	48.9
PHASE1RA	TS-REF-8	7/20/2003	TS0031	0	0	31.3	0.057	5.1 <i>J</i>	4.5	97
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	7.7	0.024 <i>J</i>	17.4 <i>J</i>	3.1	52.6
PHASE1RA	TS-REF10	7/20/2003	TS0017	0	0	7.3	0.031 <i>J</i>	4.4 <i>U</i>	1.5 <i>J</i>	48
PHASE1RA	TS-REF2	7/20/2003	TS0023	0	0	7.8	0.065 <i>J</i>	2.1 <i>U</i>	9.6 <i>J</i>	58.4
PHASE1RA	TS-REF3	7/20/2003	TS0022	0	0	8.2	0.09 <i>J</i>	2.6 <i>U</i>	8.3 <i>J</i>	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 <i>J</i>	8.9	96.8 <i>J</i>	0.31 <i>J</i>	9.58	13	16.2	1.2 <i>U</i>
PHASE1RA	AC-NFU	7/16/2003	SD0045	0	0	5,460	0.12 <i>J</i>	8.9	108 <i>J</i>	0.28 <i>J</i>	11.8	16	18.5	1.2 <i>U</i>
PHASE1RA	AC-R	7/19/2003	SD0058	0	0	7,580	0.07 <i>J</i>	7.2	172	0.29	15.5	9.64	17.2	1.2 <i>U</i>
PHASE1RA	AC-SFU	7/16/2003	SD0046	0	0	5,530	0.27 <i>J</i>	9.6	133 <i>J</i>	0.26 <i>J</i>	22.1	11	28.2	1.2 <i>U</i>
PHASE1RA	ARC-D1	7/22/2003	SD0072	0	0	7,200	0.42	8.4	922 <i>J</i>	0.97	14.6	11.1	19.1	0.95 <i>U</i>
PHASE1RA	ARC-U1	7/22/2003	SD0073	0	0	8,310	0.64	11.4	750 <i>J</i>	1.38	14.4	16.1	20.1	0.95 <i>U</i>
PHASE1RA	NHC-D	7/18/2003	SD0054	0	0	4,080	0.22 <i>J</i>	7.3	91.2 <i>J</i>	0.36 <i>J</i>	7.35	12.7	9.66	1.2 <i>U</i>
PHASE1RA	NHC-NFU	7/19/2003	SD0055	0	0	7,710	0.19 <i>J</i>	4.3	99.3 <i>J</i>	0.18 <i>J</i>	11.3	7.9	14.2	1.2 <i>U</i>
PHASE1RA	NHC-R	7/19/2003	SD0057	0	0	4,800	0.07 <i>J</i>	6.9	98.4	0.77	7.65	11.6	11.2	1.2 <i>U</i>
PHASE1RA	NHC-SFU	7/19/2003	SD0056	0	0	17,100	0.05 <i>J</i>	3.3	293 <i>J</i>	0.2 <i>J</i>	15.6	8.23	9.73	1.2 <i>U</i>
PHASE1RA	OR-D	7/16/2003	SD0040	1	0	14,900	0.18 <i>J</i>	7.1	484 <i>J</i>	0.39 <i>J</i>	23.3	11.6	15.5	1.2 <i>U</i>
PHASE1RA	OR-D	7/16/2003	SD0040	2	0	11,900	0.13 <i>J</i>	6.8	454 <i>J</i>	0.36 <i>J</i>	21.9	11.3	14.9	1.2 <i>U</i>
PHASE1RA	OR-NFU	7/16/2003	SD0042	0	0	7,420	0.14 <i>J</i>	8.8	298 <i>J</i>	0.37 <i>J</i>	16.8	12.9	14.1	1.2 <i>U</i>
PHASE1RA	OR-R	7/16/2003	SD0047	0	0	9,520	0.14 <i>J</i>	7.6	407 <i>J</i>	0.45 <i>J</i>	20.6	13.5	14	1.2 <i>U</i>
PHASE1RA	OR-SFU	7/16/2003	SD0043	0	0	6,920	0.17 <i>J</i>	9.4	286 <i>J</i>	0.59 <i>J</i>	14.5	17.6	15.6	1.2 <i>U</i>

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 <i>J</i>	0.03	0.85	40.8 <i>J</i>	1.4	0.21	57.6
PHASE1RA	AC-NFU	7/16/2003	SD0045	0	0	31,100	13.9	1,200 <i>J</i>	0.03	0.71	43.7 <i>J</i>	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 <i>J</i>	0.06	1.01	46.5 <i>J</i>	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 <i>J</i>	0.02	0.59	45.2 <i>J</i>	0.9 <i>J</i>	0.13	73.7
PHASE1RA	NHC-NFU	7/19/2003	SD0055	0	0	24,900	10.7	471 <i>J</i>	0.05	0.4	27.6 <i>J</i>	0.9 <i>J</i>	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 <i>J</i>	0.19	155
PHASE1RA	NHC-SFU	7/19/2003	SD0056	0	0	45,700	8.24	573 <i>J</i>	0.06	0.34	24.8 <i>J</i>	1.4 <i>J</i>	0.12	53.7
PHASE1RA	OR-D	7/16/2003	SD0040	1	0	34,600	17.9	756 <i>J</i>	0.06	0.54	35 <i>J</i>	0.7 <i>J</i>	0.12	14.5
PHASE1RA	OR-D	7/16/2003	SD0040	2	0	31,700	17.2	715 <i>J</i>	0.06	0.48	33.7 <i>J</i>	0.6 <i>J</i>	0.12	12.6
PHASE1RA	OR-NFU	7/16/2003	SD0042	0	0	32,200	16.4	1,100 <i>J</i>	0.02	0.47	46.2 <i>J</i>	0.4 <i>J</i>	0.05	11
PHASE1RA	OR-R	7/16/2003	SD0047	0	0	32,900	19	1,140 <i>J</i>	0.04	0.49	42.1 <i>J</i>	0.6 <i>J</i>	0.08	11.4
PHASE1RA	OR-SFU	7/16/2003	SD0043	0	0	33,700	13.6	2,140 <i>J</i>	0.02	0.66	57.3 <i>J</i>	0.4 <i>J</i>	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 <i>U</i>	9.91	131
PHASE1RA	AC-NFU	7/16/2003	SD0045	0	0	0.064	2.2 <i>U</i>	11.9	113
PHASE1RA	AC-R	7/19/2003	SD0058	0	0	0.101	1.9 <i>U</i>	16	113
PHASE1RA	AC-SFU	7/16/2003	SD0046	0	0	0.115	6.4 <i>J</i>	18.2	136
PHASE1RA	ARC-D1	7/22/2003	SD0072	0	0	0.19	0.5 <i>U</i>	20.5	259
PHASE1RA	ARC-U1	7/22/2003	SD0073	0	0	0.322	1.1 <i>U</i>	19.5	209
PHASE1RA	NHC-D	7/18/2003	SD0054	0	0	0.031	2.3 <i>U</i>	9.05	147
PHASE1RA	NHC-NFU	7/19/2003	SD0055	0	0	0.048	4.3 <i>J</i>	13.8	58.4
PHASE1RA	NHC-R	7/19/2003	SD0057	0	0	0.042	2.3 <i>U</i>	8.83	206
PHASE1RA	NHC-SFU	7/19/2003	SD0056	0	0	0.08	7.6 <i>J</i>	12.3	114
PHASE1RA	OR-D	7/16/2003	SD0040	1	0	0.141	5.7 <i>J</i>	28.1	111
PHASE1RA	OR-D	7/16/2003	SD0040	2	0	0.121	2.1 <i>U</i>	26.1	103
PHASE1RA	OR-NFU	7/16/2003	SD0042	0	0	0.065	2.3 <i>U</i>	21.3	116
PHASE1RA	OR-R	7/16/2003	SD0047	0	0	0.106	1.9 <i>U</i>	24.9	123
PHASE1RA	OR-SFU	7/16/2003	SD0043	0	0	0.073	3 <i>U</i>	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 <i>J</i>	3.9	394	0.23	14.6	9.63	10.5	1.2 <i>U</i>	23,500
PHASE1RA	ST-REF-2	7/20/2003	SD0064	0	0	3,890	0.04 <i>J</i>	5.1	135	0.07	9.03	7.3	5.99	1.2 <i>U</i>	27,300
PHASE1RA	ST-REF-3	7/20/2003	SD0066	0	0	3,620	0.03 <i>J</i>	8.1	177	0.23	7.22	11	12.3	1.2 <i>U</i>	25,800
PHASE1RA	ST-REF-4	7/20/2003	SD0068	0	0	5,560	0.03 <i>J</i>	4.9	265	0.26	12.8	9.69	9.19	1.2 <i>U</i>	24,600
PHASE1RA	ST-REF-5	7/20/2003	SD0063	0	0	12,100	0.05 <i>J</i>	3.5	483	0.3	19.9	8.74	18.5	1.2 <i>U</i>	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 <i>J</i>	0.09	15	0.065
PHASE1RA	ST-REF-2	7/20/2003	SD0064	0	0	5.05	387	0.005 <i>U</i>	0.38	20.8	0.1 <i>U</i>	0.03	4.9	0.023 <i>J</i>
PHASE1RA	ST-REF-3	7/20/2003	SD0066	0	0	9.17	859	0.02	0.52	31.5	0.5 <i>J</i>	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 <i>J</i>	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 <i>J</i>	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 UU				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 UU				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 UU				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 UU				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 UU				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 UU				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 <i>U</i>				0.250 <i>U</i>
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 <i>U</i>
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 <i>U</i>				0.0500 <i>U</i>
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 <i>U</i>				0.120
TECK01	NHMthL1	7/12/2001	NHMthL1	0	0	0	0	152	10 <i>U</i>				0.05 <i>U</i>
TECK01	NHMthL1	8/6/2001	NHMthL1	0	0	0	0	108	10 <i>U</i>				0.05 <i>U</i>
TECK01	NHMthL1	9/4/2001	NHMthL1	0	0	0	0	138	10 <i>UU</i>				0.1
TECK01	NHMthL1	10/8/2001	NHMthL1	0	0	0	0	160	10 <i>U</i>				0.05 <i>U</i>
TECK01	NHMthL2	7/12/2001	NHMthL2	0	0	0	0	160	10 <i>U</i>				0.05 <i>U</i>
TECK01	NHNFUp	7/12/2001	NHNFUp	0	0	0	0	80.9	10 <i>U</i>				0.05 <i>U</i>
TECK01	NHNFUp	8/6/2001	NHNFUp	0	0	0	0	118	10 <i>U</i>				0.05 <i>U</i>
TECK01	NHNFUp	9/4/2001	NHNFUp	0	0	0	0	155	34.6 <i>J</i>				0.2
TECK01	NHNFUp	10/8/2001	NHNFUp	0	0	0	0	160	10 <i>U</i>				0.05 <i>U</i>
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 <i>U</i>
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 <i>U</i>
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 <i>U</i>				0.0500 <i>U</i>
TECK03	NHNFUp	8/10/2003	03-3857	0	0	0	0	139	79.0				0.0365 <i>U</i>
TECK03	NHNFUp	10/6/2003	03-4748	0	0	0	0	110	8.55 <i>U</i>	0.000180 <i>J</i>	0.000482 <i>U</i>	0.266	0.0365 <i>U</i>
TECK01	NHRoad	7/12/2001	NHRoad	0	0	0	0	104	22				0.05 <i>U</i>
TECK01	NHRoad	8/6/2001	NHRoad	0	0	0	0	127	38.4				0.05 <i>U</i>
TECK01	NHRoad	9/4/2001	NHRoad	0	0	0	0	176	33.9 <i>J</i>				0.05 <i>U</i>
TECK01	NHRoad	10/8/2001	NHRoad	0	0	0	0	185	10 <i>U</i>				0.05 <i>U</i>
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 <i>U</i>
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 <i>U</i>
TECK03	NHRoad	6/27/2003	03-2875	0	0	0	0	150	8.32				0.0411 <i>U</i>
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 <i>U</i>
TECK03	NHRoad	8/10/2003	03-3851	0	0	0	0	151	63.0				0.0365 <i>U</i>
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 <i>J</i>	0.000482 <i>U</i>	0.0273	0.0365 <i>U</i>
TECK01	NHSFUp	7/12/2001	NHSFUp	0	0	0	0	74.8	10 <i>U</i>				0.05 <i>U</i>
TECK01	NHSFUp	8/6/2001	NHSFUp	0	0	0	0	81.6	10 <i>U</i>				0.05 <i>U</i>
TECK01	NHSFUp	9/4/2001	NHSFUp	0	0	0	0	96.3	10 <i>UU</i>				0.05 <i>U</i>

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	NHSFU _p	5/23/2003	03-1984	0	0	0	0						
TECK03	NHSFU _p	5/23/2003	03-1985	0	0	0	0	34.7	10.0 U				0.0500 U
TECK03	NHSFU _p	6/11/2003	03-2460	0	0	0	0						
TECK03	NHSFU _p	6/11/2003	03-2461	0	0	0	0	55.0	10.0 U				0.250 U
TECK03	NHSFU _p	6/27/2003	03-2876	0	0	0	0						
TECK03	NHSFU _p	6/27/2003	03-2879	0	0	0	0	89.2	13.3				0.0411 U
TECK03	NHSFU _p	7/12/2003	03-3264	0	0	0	0						
TECK03	NHSFU _p	7/12/2003	03-3265	0	0	0	0	67.7	10.0 U				0.0500 U
TECK03	NHSFU _p	8/10/2003	03-3859	0	0	0	0	101	47.0				0.0365 U
TECK03	NHSFU _p	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 <i>J</i>				0.156 <i>U</i>
TECK01	TutUpRd	7/11/2001	TutUpRd	0	0	0	0	45.3	10 <i>U</i>				0.05 <i>U</i>
TECK01	TutUpRd	8/6/2001	TutUpRd	0	0	0	0	52.8	10 <i>U</i>				0.05 <i>U</i>
TECK01	TutUpRd	9/15/2001	TutUpRd	0	0	0	0	61.7	29.4				0.05 <i>U</i>
TECK01	TutUpRd	10/8/2001	TutUpRd	0	0	0	0	77.4	10 <i>U</i>				0.05 <i>U</i>
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 <i>U</i>
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 <i>U</i>
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 <i>U</i>
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 <i>U</i>				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 <i>U</i>				0.0365 <i>U</i>

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 (μ g/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 (μ g/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 (μ g/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					111
TECK03	NHRoad	10/6/2003	03-4749	0	0	0	0	42.4	0.000396 U	0.000330 J	0.000970 J	0.12	137
TECK01	NHSFUp	7/12/2001	NHSFUp	0	0	0	0	26.1				0.0400	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 (μ g/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 (μ g/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 (μ g/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 (μ g/L unfiltered)
TECK03	TutRoad	10/8/2003	03-4770	0	0	0	0	13.6				0.0500 <i>J</i>	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 <i>U</i>
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 <i>J</i>	129

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead ($\mu\text{g/L}$ 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 <i>J</i>	4.31	0.00296	0.0000179 <i>UJ</i>	0.000220 <i>U</i>	0.000480 <i>J</i>
TECK03	ARC-U	10/10/2003	03-4782	0	0	0	0	0.0885 <i>U</i>	4.19	0.000475 <i>U</i>	0.0000179 <i>UJ</i>	0.000240 <i>U</i>	0.000260 <i>J</i>
USGS02	AufCreek	7/29/2002	AufCreek_SW	0	0	0	0	0.05 <i>U</i>	5.4	0.0016			
TECK01	AufDowRd	7/11/2001	AufDowRd	0	0	0	0	0.2 <i>U</i>	3.5				
TECK01	AufDowRd	8/6/2001	AufDowRd	0	0	0	0	0.2 <i>U</i>	4.01				
TECK01	AufDowRd	9/4/2001	AufDowRd	0	0	0	0	0.02 <i>U</i>	5.34				
TECK01	AufDowRd	10/9/2001	AufDowRd	0	0	0	0	0.2 <i>U</i>	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 <i>U</i>	3.82				
TECK03	AufDowRd	8/11/2003	03-3843	0	0	0	0	0.0885 <i>U</i>	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 <i>U</i>	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 <i>U</i>	2.97				
TECK03	AufMth	8/10/2003	03-3845	0	0	0	0	0.0885 <i>U</i>	4.59				
TECK03	AufMth	10/6/2003	03-4763	0	0	0	0	0.0885 <i>U</i>	3.75				
TECK01	AufMthL1	7/11/2001	AufMthL1	0	0	0	0	0.2 <i>U</i>	3.35				
TECK01	AufMthL2	7/11/2001	AufMthL2	0	0	0	0	0.2 <i>U</i>	3.62				
TECK01	AufMthL2	8/6/2001	AufMthL2	0	0	0	0	0.2 <i>U</i>	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 <i>U</i>	5.89				
TECK01	AufNFUp	7/11/2001	AufNFUp	0	0	0	0	0.2 <i>U</i>	2.32				
TECK01	AufNFUp	8/6/2001	AufNFUp	0	0	0	0	0.2 <i>U</i>	2.9				
TECK01	AufNFUp	9/4/2001	AufNFUp	0	0	0	0	0.020 <i>U</i>	3.69				
TECK01	AufNFUp	10/9/2001	AufNFUp	0	0	0	0	0.2 <i>U</i>	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 <i>U</i>	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 <i>U</i>	2.87				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead ($\mu\text{g/L}$ 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 ($\mu\text{g/L}$ 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 ($\mu\text{g/L}$ unfiltered)	Magnesium (mg/L unfiltered)	Manganese (mg/L unfiltered)	Mercury (mg/L unfiltered)	Molybdenum (mg/L unfiltered)	Nickel (mg/L unfiltered)
TECK03	NHSFU _p	5/23/2003	03-1984	0	0	0	0						
TECK03	NHSFU _p	5/23/2003	03-1985	0	0	0	0	0.200 <i>U</i>	1.09				
TECK03	NHSFU _p	6/11/2003	03-2460	0	0	0	0						
TECK03	NHSFU _p	6/11/2003	03-2461	0	0	0	0	0.231	1.72				
TECK03	NHSFU _p	6/27/2003	03-2876	0	0	0	0						
TECK03	NHSFU _p	6/27/2003	03-2879	0	0	0	0	0.146	2.68				
TECK03	NHSFU _p	7/12/2003	03-3264	0	0	0	0						
TECK03	NHSFU _p	7/12/2003	03-3265	0	0	0	0	0.100 <i>U</i>	1.95				
TECK03	NHSFU _p	8/10/2003	03-3859	0	0	0	0	0.0885 <i>U</i>	2.78				
TECK03	NHSFU _p	10/6/2003	03-4747	0	0	0	0	0.0885 <i>U</i>	2.46	0.00314	0.0000179 <i>UJ</i>	0.000880 <i>J</i>	0.00230
TECK01	OmiDowRd	7/11/2001	OmiDowRd	0	0	0	0	0.2 <i>U</i>	5.16				
TECK01	OmiDowRd	8/5/2001	OmiDowRd	0	0	0	0	0.2 <i>U</i>	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 <i>U</i>	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 <i>U</i>	4.32				
TECK03	OmiDowRd	10/6/2003	03-4755	0	0	0	0	0.0885 <i>U</i>	4.53	0.00811	0.0000179 <i>UJ</i>	0.000370 <i>J</i>	0.00221
USGS02	OmiK _R	7/28/2002	OmiK _{R_SW}	0	0	0	0	0.018	6	0.002			
TECK01	OmiM _{th}	7/11/2001	OmiM _{th}	0	0	0	0	0.2 <i>U</i>	3.69				
TECK01	OmiM _{th}	8/5/2001	OmiM _{th}	0	0	0	0	0.2 <i>U</i>	3.48				
TECK01	OmiM _{th}	9/15/2001	OmiM _{th}	0	0	0	0	0.05	4.15				
TECK01	OmiM _{th}	10/9/2001	OmiM _{th}	0	0	0	0	0.2 <i>U</i>	3.71				
TECK03	OmiM _{th}	5/22/2003	03-1976	0	0	0	0						
TECK03	OmiM _{th}	5/22/2003	03-1977	0	0	0	0	0.200 <i>U</i>	2.60				
TECK03	OmiM _{th}	6/11/2003	03-2466	0	0	0	0						
TECK03	OmiM _{th}	6/11/2003	03-2467	0	0	0	0	0.657	1.72				
TECK03	OmiM _{th}	6/27/2003	03-2867	0	0	0	0						
TECK03	OmiM _{th}	6/27/2003	03-2868	0	0	0	0	0.484	4.05				
TECK03	OmiM _{th}	7/12/2003	03-3250	0	0	0	0						
TECK03	OmiM _{th}	7/12/2003	03-3251	0	0	0	0	0.585	3.26				
TECK03	OmiM _{th}	8/10/2003	03-3865	0	0	0	0	0.0885 <i>U</i>	4.01				
TECK03	OmiM _{th}	10/6/2003	03-4760	0	0	0	0	0.390 <i>U</i>	4.16				
TECK01	OmiNF _{Up}	7/11/2001	OmiNF _{Up}	0	0	0	0	0.2 <i>U</i>	5.43				
TECK01	OmiNF _{Up}	8/5/2001	OmiNF _{Up}	0	0	0	0	0.2 <i>U</i>	4.99				
TECK01	OmiNF _{Up}	9/15/2001	OmiNF _{Up}	0	0	0	0	0.02 <i>U</i>	5.56				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead ($\mu\text{g/L}$ 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 <i>U</i>	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 <i>U</i>	4.77				
TECK03	OmiNFUp	8/10/2003	03-3867	0	0	0	0	0.0885 <i>U</i>	6.03				
TECK03	OmiNFUp	10/6/2003	03-4759	0	0	0	0	0.0885 <i>U</i>	4.80	0.00564	0.0000179 <i>UU</i>	0.00218 <i>J</i>	0.000930 <i>J</i>
TECK01	OmiRoad	7/11/2001	OmiRoad	0	0	0	0	0.2 <i>U</i>	5.32				
TECK01	OmiRoad	8/5/2001	OmiRoad	0	0	0	0	0.2 <i>U</i>	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 <i>U</i>	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 <i>U</i>	4.67				
TECK03	OmiRoad	8/10/2003	03-3861	0	0	0	0	0.0885 <i>U</i>	5.66				
TECK03	OmiRoad	9/22/2003	03-4620	0	0	0	0	0.0885 <i>U</i>	6.62				
TECK03	OmiRoad	10/6/2003	03-4757	0	0	0	0	0.0885 <i>U</i>	4.77	0.00652	0.0000179 <i>UU</i>	0.000690 <i>J</i>	0.00122 <i>J</i>
TECK01	OmiSFUp	7/11/2001	OmiSFUp	0	0	0	0	0.2 <i>U</i>	5.23				
TECK01	OmiSFUp	8/5/2001	OmiSFUp	0	0	0	0	0.2 <i>U</i>	5.31				
TECK01	OmiSFUp	9/15/2001	OmiSFUp	0	0	0	0	0.02 <i>U</i>	5.86				
TECK01	OmiSFUp	10/9/2001	OmiSFUp	0	0	0	0	0.2 <i>U</i>	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 <i>U</i>	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 <i>U</i>	5.18				
TECK03	OmiSFUp	8/10/2003	03-3869	0	0	0	0	0.0885 <i>U</i>	6.32				
TECK03	OmiSFUp	10/6/2003	03-4758	0	0	0	0	0.0885 <i>U</i>	5.06	0.0114	0.0000179 <i>UU</i>	0.000690 <i>J</i>	0.00122 <i>J</i>
TECK01	StrDowRd	7/11/2001	StrDowRd	0	0	0	0	0.2 <i>U</i>	3.3				
TECK01	StrDowRd	8/6/2001	StrDowRd	0	0	0	0	0.2 <i>U</i>	4.2				

Table C-7. (cont.)

Survey	Survey station	Date	Sample ID	Field replicate	Subsample	Upper depth (cm)	Lower depth (cm)	Lead ($\mu\text{g/L}$ 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 ($\mu\text{g/L}$ 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 ($\mu\text{g/L}$ 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 <i>U</i>	4.38				
TECK01	TutUpRd	7/11/2001	TutUpRd	0	0	0	0	0.2 <i>U</i>	3.96				
TECK01	TutUpRd	8/6/2001	TutUpRd	0	0	0	0	0.2 <i>U</i>	4.26				
TECK01	TutUpRd	9/15/2001	TutUpRd	0	0	0	0	0.02 <i>U</i>	4.99				
TECK01	TutUpRd	10/8/2001	TutUpRd	0	0	0	0	0.2 <i>U</i>	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 <i>U</i>	4.18				
TECK03	TutUpRd	8/10/2003	03-3885	0	0	0	0	0.0885 <i>U</i>	5.45				
TECK03	TutUpRd	10/6/2003	03-4742	0	0	0	0	0.0885 <i>U</i>	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 <i>U</i>	0.000355	0.0000230 <i>U</i>	1.38	0.0194	0.0000900 <i>U</i>
TECK03	ARC-U	10/10/2003	03-4782	0	0	0	0	0.250 <i>U</i>	0.000340	0.0000230 <i>U</i>	1.36	0.0195	0.0000250 <i>U</i>
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 <i>U</i>				0.0000155 <i>U</i>
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 <i>U</i>
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 <i>U</i>	0.0000230 <i>U</i>		0.170	0.0000155 <i>U</i>
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 <i>U</i>
TECK03	NHRoad	10/6/2003	03-4749	0	0	0	0		0.000112	0.0000230 <i>U</i>		0.171	0.0000155 <i>U</i>
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 <i>U</i>
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 <i>U</i>

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 (μ g/L unfiltered)
TECK03	ARC-D	10/10/2003	03-4781	0	0	0	0	0.000590 <i>U</i>	0.000335 <i>U</i>	1.79 <i>J</i>
TECK03	ARC-U	10/10/2003	03-4782	0	0	0	0	0.000590 <i>U</i>	0.000930 <i>J</i>	1.17 <i>J</i>
USGS02	AufCreek	7/29/2002	AufCreek_SW	0	0	0	0			0.5 <i>U</i>
TECK01	AufDowRd	7/11/2001	AufDowRd	0	0	0	0			1 <i>U</i>
TECK01	AufDowRd	8/6/2001	AufDowRd	0	0	0	0			1 <i>U</i>
TECK01	AufDowRd	9/4/2001	AufDowRd	0	0	0	0			1 <i>U</i>
TECK01	AufDowRd	10/9/2001	AufDowRd	0	0	0	0			1 <i>U</i>
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 <i>U</i>
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 <i>U</i>
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 <i>U</i>
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 <i>J</i>
TECK01	AufMthL1	7/11/2001	AufMthL1	0	0	0	0			1 <i>U</i>
TECK01	AufMthL2	7/11/2001	AufMthL2	0	0	0	0			1 <i>U</i>
TECK01	AufMthL2	8/6/2001	AufMthL2	0	0	0	0			1 <i>U</i>
TECK01	AufMthL2	9/4/2001	AufMthL2	0	0	0	0			1 <i>U</i>
TECK01	AufMthL2	10/9/2001	AufMthL2	0	0	0	0			1 <i>U</i>
TECK01	AufNFUp	7/11/2001	AufNFUp	0	0	0	0			1 <i>U</i>
TECK01	AufNFUp	8/6/2001	AufNFUp	0	0	0	0			1 <i>U</i>
TECK01	AufNFUp	9/4/2001	AufNFUp	0	0	0	0			1.0 <i>U</i>
TECK01	AufNFUp	10/9/2001	AufNFUp	0	0	0	0			1 <i>U</i>
TECK03	AufNFUp	5/23/2003	03-1992	0	0	0	0			
TECK03	AufNFUp	5/23/2003	03-1993	0	0	0	0			1.00 <i>U</i>
TECK03	AufNFUp	6/11/2003	03-2448	0	0	0	0			
TECK03	AufNFUp	6/11/2003	03-2449	0	0	0	0			3.50 <i>U</i>
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 <i>U</i>

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 (μ g/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 <i>U</i>	0.000335 <i>U</i>	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 <i>U</i>
TECK01	AufRoad	9/4/2001	AufRoad	0	0	0	0			1 <i>U</i>
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 <i>U</i>
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 <i>U</i>	0.000830 <i>J</i>	1.17
TECK03	AufRoad	10/6/2003	03-4761	0	0	0	0	0.00130 <i>J</i>	0.000335 <i>U</i>	1.12 <i>J</i>
TECK01	AufSFUp	7/11/2001	AufSFUp	0	0	0	0			1 <i>U</i>
TECK01	AufSFUp	8/6/2001	AufSFUp	0	0	0	0			1 <i>U</i>
TECK01	AufSFUp	9/4/2001	AufSFUp	0	0	0	0			1 <i>U</i>
TECK01	AufSFUp	10/9/2001	AufSFUp	0	0	0	0			1 <i>U</i>
TECK03	AufSFUp	6/11/2003	03-2450	0	0	0	0			
TECK03	AufSFUp	6/11/2003	03-2451	0	0	0	0			3.50 <i>U</i>
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 <i>U</i>
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 <i>U</i>	0.000670 <i>J</i>	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 <i>U</i>
TECK01	NHDowRd	8/6/2001	NHDowRd	0	0	0	0			1 <i>U</i>
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 <i>U</i>
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 <i>J</i>	0.000335 <i>U</i>	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 ($\mu\text{g/L}$ 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 <i>U</i>
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 <i>U</i>
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 <i>U</i>
TECK01	NHMthL1	8/6/2001	NHMthL1	0	0	0	0			1 <i>U</i>
TECK01	NHMthL1	9/4/2001	NHMthL1	0	0	0	0			16.1
TECK01	NHMthL1	10/8/2001	NHMthL1	0	0	0	0			1 <i>U</i>
TECK01	NHMthL2	7/12/2001	NHMthL2	0	0	0	0			1 <i>U</i>
TECK01	NHNFUp	7/12/2001	NHNFUp	0	0	0	0			1 <i>U</i>
TECK01	NHNFUp	8/6/2001	NHNFUp	0	0	0	0			1 <i>U</i>
TECK01	NHNFUp	9/4/2001	NHNFUp	0	0	0	0			8.4
TECK01	NHNFUp	10/8/2001	NHNFUp	0	0	0	0			1 <i>U</i>
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 <i>U</i>
TECK03	NHNFUp	8/10/2003	03-3857	0	0	0	0			0.510 <i>U</i>
TECK03	NHNFUp	10/6/2003	03-4748	0	0	0	0	0.000590 <i>U</i>	0.000335 <i>U</i>	1.92 <i>J</i>
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 <i>U</i>	0.000335 <i>U</i>	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 <i>U</i>
TECK01	NHSFUp	9/4/2001	NHSFUp	0	0	0	0			1 <i>U</i>

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 (μ g/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 (μ g/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 ($\mu\text{g/L}$ unfiltered)
TECK01	StrDowRd	9/15/2001	StrDowRd	0	0	0	0			5.0 <i>U</i>
TECK01	StrDowRd	10/9/2001	StrDowRd	0	0	0	0			1 <i>U</i>
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 <i>U</i>
TECK03	StrDowRd	8/10/2003	03-3873	0	0	0	0			0.510 <i>U</i>
TECK03	StrDowRd	10/6/2003	03-4753	0	0	0	0			1.80 <i>J</i>
TECK01	StrMth	9/15/2001	StrMth	0	0	0	0			5.0 <i>U</i>
TECK03	StrMth	8/10/2003	03-3875	0	0	0	0			2.10
TECK01	StrRoad	8/6/2001	StrRoad	0	0	0	0			1 <i>U</i>
TECK01	StrRoad	9/15/2001	StrRoad	0	0	0	0			5.0 <i>U</i>
TECK01	StrRoad	10/9/2001	StrRoad	0	0	0	0			1 <i>U</i>
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 <i>U</i>
TECK03	StrRoad	8/10/2003	03-3871	0	0	0	0			0.510 <i>U</i>
TECK03	StrRoad	9/22/2003	03-4619	0	0	0	0			0.510 <i>U</i>
TECK03	StrRoad	10/6/2003	03-4756	0	0	0	0			1.25 <i>J</i>
TECK01	StrUpRd	7/11/2001	StrUpRd	0	0	0	0			1 <i>U</i>
TECK01	StrUpRd	8/6/2001	StrUpRd	0	0	0	0			1 <i>U</i>
TECK01	StrUpRd	9/15/2001	StrUpRd	0	0	0	0			5.0 <i>U</i>
TECK01	StrUpRd	10/9/2001	StrUpRd	0	0	0	0			1 <i>U</i>
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 <i>U</i>
TECK03	StrUpRd	8/10/2003	03-3877	0	0	0	0			0.510 <i>U</i>
TECK03	StrUpRd	10/6/2003	03-4754	0	0	0	0			2.29 <i>J</i>

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 (μ g/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 (μ g/L unfiltered)
TECK03	TutRoad	10/8/2003	03-4770	0	0	0	0			4.88 <i>J</i>
TECK01	TutUpRd	7/11/2001	TutUpRd	0	0	0	0			1 <i>U</i>
TECK01	TutUpRd	8/6/2001	TutUpRd	0	0	0	0			1 <i>U</i>
TECK01	TutUpRd	9/15/2001	TutUpRd	0	0	0	0			5.0 <i>U</i>
TECK01	TutUpRd	10/8/2001	TutUpRd	0	0	0	0			1 <i>U</i>
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 <i>U</i>
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 <i>U</i>
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 <i>J</i>

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: $(2.497 * [\text{Ca}] + 4.118 * [\text{Mg}])$ 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 (μ g/L unfiltered)	Antimony (μ g/L unfiltered)	Arsenic (μ g/L unfiltered)	Barium (μ g/L unfiltered)	Cadmium (μ g/L unfiltered)	Calcium (μ g/L unfiltered)
PHASE1RA	ST-REF-1	7/20/2003	SW0035	0	0	112	17.3	0.01 <i>U</i>	0.1 <i>U</i>	169	0.005 <i>U</i>	33,100
PHASE1RA	ST-REF-4	7/20/2003	SW0037	0	0	64.2	23.2	0.01 <i>U</i>	0.1 <i>U</i>	86.1	0.01 <i>J</i>	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 ($\mu\text{g/L}$ unfiltered)	Cobalt ($\mu\text{g/L}$ unfiltered)	Copper ($\mu\text{g/L}$ unfiltered)	Fluoride (mg/L unfiltered)	Iron ($\mu\text{g/L}$ unfiltered)	Lead ($\mu\text{g/L}$ unfiltered)	Magnesium ($\mu\text{g/L}$ unfiltered)
PHASE1RA	ST-REF-1	7/20/2003	SW0035	0	0	0.25	0.22	0.6 <i>J</i>	0.04 <i>J</i>	64.2	0.02 <i>J</i>	7,070
PHASE1RA	ST-REF-4	7/20/2003	SW0037	0	0	0.17 <i>J</i>	0.120	0.7 <i>J</i>	0.04 <i>J</i>	112	0.02	6,180
PHASE1RA	ST-REF-5	7/20/2003	SW0034	0	0	3.71	2.72	5.4	0.03 <i>J</i>	6,710	1.91	7,060

Table C-8. (cont.)

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

Table C-8. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium ($\mu\text{g/L}$ unfiltered)	Tin ($\mu\text{g/L}$ unfiltered)	Vanadium ($\mu\text{g/L}$ unfiltered)	Zinc ($\mu\text{g/L}$ unfiltered)
PHASE1RA	ST-REF-1	7/20/2003	SW0035	0	0	0.003 <i>U</i>	10 <i>U</i>	0.2 <i>J</i>	0.31 <i>J</i>
PHASE1RA	ST-REF-4	7/20/2003	SW0037	0	0	0.003 <i>U</i>	10 <i>U</i>	0.16 <i>J</i>	0.35 <i>J</i>
PHASE1RA	ST-REF-5	7/20/2003	SW0034	0	0	0.014 <i>J</i>	10 <i>U</i>	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: $(2.497 * [\text{Ca}] + 4.118 * [\text{Mg}])$ 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 <i>J</i>	119	15.3	25.9	53.4	4.4 <i>J</i>
PHASE1RA	TP1-0100	7/22/2003	SD0074	2	0	3,300	7.14	6.2	370 <i>J</i>	83.2	11	22.3	37.6	2.6 <i>J</i>
PHASE1RA	TP1-1000	7/19/2003	SD0061	0	0	4,330	0.2 <i>J</i>	5.1	281	0.94	9.71	22.6	25.3	1.2 <i>U</i>
PHASE1RA	TP2-0100	7/19/2003	SD0060	0	0	1,920	0.26 <i>J</i>	3.5 <i>J</i>	388	1.91	9.42	7.56	6.51	2.6 <i>J</i>
PHASE1RA	TP2-1000	7/19/2003	SD0059	0	0	2,610	0.19 <i>J</i>	2.6 <i>J</i>	319	0.93	8.97	2.66	16.2	1.2 <i>U</i>

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 <i>J</i>	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 <i>J</i>	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 <i>J</i>	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 <i>U</i>	0.075 <i>U</i>	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 <i>J</i>	0.05 <i>U</i>	17.1

Table C-9. (cont.)

Survey	Survey		Sample ID	Field		Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (mg/kg dry)
	Station	Date		Replicate	Subsample				
PHASE1RA	TP1-0100	7/22/2003	SD0074	1	0	1.92	22.8 <i>J</i>	14.1	27,000
PHASE1RA	TP1-0100	7/22/2003	SD0074	2	0	1.36	18.2 <i>J</i>	10.2	16,700
PHASE1RA	TP1-1000	7/19/2003	SD0061	0	0	0.021 <i>J</i>	7.70 <i>U</i>	15.1	162
PHASE1RA	TP2-0100	7/19/2003	SD0060	0	0	0.023 <i>U</i>	41.2 <i>J</i>	28.3	288
PHASE1RA	TP2-1000	7/19/2003	SD0059	0	0	0.042 <i>J</i>	10.7 <i>U</i>	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 <i>J</i>	13	772	0.66	22.6	21.9	20.7	1.2 <i>U</i>
PHASE1RA	TP-REF-2	7/20/2003	SD0070	0	0	4,310	0.03 <i>J</i>	7	232	0.35	10.9	8.13	13.2	1.2 <i>U</i>
PHASE1RA	TP-REF-3	7/20/2003	SD0067	0	0	17,100	0.05 <i>J</i>	2.6	516	0.27	28.0	8.01	17.4	1.2 <i>U</i>
PHASE1RA	TP-REF-4	7/20/2003	SD0069	0	0	3,730	0.09 <i>J</i>	7.4	121	0.29	9.57	1.83	7.99	1.2 <i>U</i>
PHASE1RA	TP-REF-5	7/20/2003	SD0062	0	0	11,700	0.03 <i>J</i>	3.1	508	0.36	26.1	11.7	14.9	1.2 <i>U</i>

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 <i>J</i>	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 <i>J</i>	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 <i>J</i>	0.03 <i>U</i>	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 <i>J</i>	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 <i>U</i>	25.5	138
PHASE1RA	TP-REF-2	7/20/2003	SD0070	0	0	0.056	2.4 <i>U</i>	14.9	65.4
PHASE1RA	TP-REF-3	7/20/2003	SD0067	0	0	0.174	2.2 <i>U</i>	36.5	88.7
PHASE1RA	TP-REF-4	7/20/2003	SD0069	0	0	0.067	6.30 <i>U</i>	94.5	23.4
PHASE1RA	TP-REF-5	7/20/2003	SD0062	0	0	0.139	2.1 <i>U</i>	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 (μ g/L unfiltered)	Antimony (μ g/L unfiltered)	Arsenic (μ g/L unfiltered)	Barium (μ g/L unfiltered)	Cadmium (μ g/L unfiltered)	Calcium (μ g/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 <i>J</i>	39.4	0.06	2,190
PHASE1RA	TP2-0100	7/19/2003	SW0031	0	0	19,600	75.0	0.03 <i>J</i>	0.5 <i>J</i>	46.8	0.02	4,000
PHASE1RA	TP2-1000	7/19/2003	SW0029	1	0	19,300	180	0.02 <i>U</i>	1.7	74.5	0.07	4,250
PHASE1RA	TP2-1000	7/19/2003	SW0029	2	0	19,100	173	0.02 <i>U</i>	0.9 <i>J</i>	72.6	0.05	4,190

Table C-11. (cont.)

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

Table C-11. (cont.)

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

Table C-11. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Strontium ($\mu\text{g/L}$ unfiltered)	Thallium ($\mu\text{g/L}$ unfiltered)	Tin ($\mu\text{g/L}$ unfiltered)	Vanadium ($\mu\text{g/L}$ unfiltered)	Zinc ($\mu\text{g/L}$ unfiltered)
PHASE1RA	TP1-0100	7/22/2003	SW0039	0	0	422	0.01 <i>J</i>	30 <i>J</i>	0.24	99
PHASE1RA	TP1-1000	7/19/2003	SW0032	0	0	12.4	0.003 <i>U</i>	10 <i>U</i>	0.28	30.6
PHASE1RA	TP2-0100	7/19/2003	SW0031	0	0	10.4	0.003 <i>U</i>	10 <i>U</i>	0.31	6.08
PHASE1RA	TP2-1000	7/19/2003	SW0029	1	0	11.6	0.005 <i>U</i>	10 <i>U</i>	0.65	11
PHASE1RA	TP2-1000	7/19/2003	SW0029	2	0	11.6	0.005 <i>U</i>	10 <i>U</i>	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: $(2.497 * [\text{Ca}] + 4.118 * [\text{Mg}])$ 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 (μ g/L unfiltered)	Antimony (μ g/L unfiltered)	Arsenic (μ g/L unfiltered)	Barium (μ g/L unfiltered)	Cadmium (μ g/L unfiltered)	Calcium (μ g/L unfiltered)
PHASE1RA	TP-REF-2	7/20/2003	SW0038	0	0	34,400	14.5	0.02 <i>J</i>	0.5 <i>J</i>	133	0.005 <i>U</i>	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 <i>J</i>	0.5 <i>J</i>	93.5	0.05	5,560

Table C-12. (cont.)

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

Table C-12. (cont.)

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

Table C-12. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Thallium ($\mu\text{g/L}$ unfiltered)	Tin ($\mu\text{g/L}$ unfiltered)	Vanadium ($\mu\text{g/L}$ unfiltered)	Zinc ($\mu\text{g/L}$ unfiltered)
PHASE1RA	TP-REF-2	7/20/2003	SW0038	0	0	0.003 <i>U</i>	10 <i>U</i>	0.17 <i>J</i>	0.59
PHASE1RA	TP-REF-3	7/20/2003	SW0036	0	0	0.04	10 <i>U</i>	2.41	2.87
PHASE1RA	TP-REF-5	7/20/2003	SW0033	0	0	0.003 <i>U</i>	10 <i>U</i>	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: $(2.497 * [\text{Ca}] + 4.118 * [\text{Mg}])$ 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 <i>J</i>	0.71	27.2	11.8	20.5	8.6 <i>J</i>
PHASE1RA	IP-02	7/24/2003	SD0078	0	0	7,330	0.12	7.3	350 <i>J</i>	0.3	13.8	9.02	10.6	0.95 <i>U</i>
PHASE1RA	IP-03	7/24/2003	SD0079	0	0	10,800	0.21	17.9	281 <i>J</i>	0.72	23	9.34	28.2	5.1 <i>J</i>
PHASE1RA	IP-04	7/24/2003	SD0080	0	0	2,450	0.10	5.7	54.1 <i>J</i>	0.03	4.14	4.54	3	0.95 <i>U</i>
PSCHAR	NLF	8/23/2002	NLF	1	0					0.60 <i>U</i>				
PSCHAR	NLF	8/23/2002	NLF	2	0					0.50 <i>U</i>				
PHASE1RA	NLF	7/18/2003	SD0050	0	0	2,540	0.070 <i>J</i>	5.9	218 <i>J</i>	0.080 <i>J</i>	4.08	3.85	6.47	1.2 <i>U</i>
PSCHAR	NLG	8/23/2002	NLG	0	0					0.60 <i>U</i>				
PSCHAR	NLH	9/17/2002	NLH-SD	0	0					0.55 <i>U</i>				
PSCHAR	NLJ	9/17/2002	NLJ-SD	0	0					2.6 <i>U</i>				
PSCHAR	NLK	8/23/2002	NLK	0	0					1.5				
PHASE1RA	NLK	7/18/2003	SD0048	1	0	15,300	0.11 <i>J</i>	5.7	347 <i>J</i>	0.84 <i>J</i>	18.3	8.17	20.8	1.2 <i>U</i>
PHASE1RA	NLK	7/18/2003	SD0048	2	0	13,300	0.080 <i>J</i>	4.9	297 <i>J</i>	0.55 <i>J</i>	17.4	7.11	17.4	1.2 <i>U</i>
PSCHAR	PLNL	8/23/2002	PLNL	0	0					8.1				
PHASE1RA	PLNL	7/22/2003	SD0076	0	0	3,350	0.18	6	216 <i>J</i>	1.01	6.54	4.32	7.46	0.95 <i>U</i>
PSCHAR	PLNM	8/23/2002	PLNM	0	0					3.3				
PSCHAR	PLNN	9/17/2002	PLNN-SD	0	0					0.55 <i>U</i>				
PHASE1RA	PLNN	7/22/2003	SD0075	0	0	7,820	0.27	6	288 <i>J</i>	1.96	14	6.66	18.2	0.95 <i>U</i>
PSCHAR	PLNO	8/23/2002	PLNO	0	0					0.90 <i>U</i>				
PSCHAR	PLNP	9/17/2002	PLNP-SD	0	0					0.55 <i>U</i>				
PSCHAR	PLSA	8/18/2002	PLSA	0	0					0.4 <i>U</i>				
PSCHAR	PLSB	9/17/2002	PLSB-SD	0	0					0.60 <i>U</i>				
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 <i>U</i>				
PSCHAR	PLSE	8/20/2002	PLSE	0	0					0.65 <i>U</i>				
PSCHAR	PLSX	9/17/2002	PLSX-SD	0	0					0.60 <i>U</i>				
PSCHAR	PLSY	9/17/2002	PLSY-SD	0	0					0.60 <i>U</i>				
PSCHAR	PLSZ	8/20/2002	PLSZ	0	0					0.60 <i>U</i>				

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 <i>J</i>	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 <i>J</i>	0.27	108
PHASE1RA	IP-04	7/24/2003	SD0080	0	0	18,400	4.66	153	0.0040 <i>U</i>	0.6	12	0.1 <i>U</i>	0.02	10.4
PSCHAR	NLF	8/23/2002	NLF	1	0		13							
PSCHAR	NLF	8/23/2002	NLF	2	0		10.5 <i>U</i>							
PHASE1RA	NLF	7/18/2003	SD0050	0	0	10,100	5.86	274 <i>J</i>	0.01 <i>J</i>	0.41	15.3 <i>J</i>	0.3 <i>J</i>	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 <i>J</i>	0.07	1.31	26.4 <i>J</i>	1.3	0.14	74.1
PHASE1RA	NLK	7/18/2003	SD0048	2	0	16,000	21.2	174 <i>J</i>	0.06	1.28	23.2 <i>J</i>	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 <i>J</i>	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 <i>J</i>	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 <i>U</i>	35.1	156
PHASE1RA	IP-02	7/24/2003	SD0078	0	0	0.056	0.65 <i>U</i>	16.8	82.1
PHASE1RA	IP-03	7/24/2003	SD0079	0	0	0.102	2.7 <i>U</i>	34.4	138
PHASE1RA	IP-04	7/24/2003	SD0080	0	0	0.018 <i>J</i>	1.2 <i>U</i>	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 <i>U</i>	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 <i>J</i>	26.3	210
PHASE1RA	NLK	7/18/2003	SD0048	2	0	0.08	2.3 <i>U</i>	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 <i>U</i>	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 <i>U</i>	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 JJ	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		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)
				Replicate	Subsample									
ENSR91	CLQ	9/1/1991	CLQ	0	0	19.2								
ENSR92	CLQ	9/1/1992	CLQ	0	0	20.7 <i>U</i>								
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 <i>U</i>								
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 <i>U</i>								
ENSR91	CLT	9/1/1991	CLT	0	0	10.4								
ENSR92	CLT	9/1/1992	CLT	0	0	4.7 <i>U</i>								
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 <i>U</i>								
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 <i>J</i>	0.03	0.46	18.7 <i>J</i>	0.6 <i>J</i>	0.01 <i>U</i>	20.9	0.038
PHASE1RA	RL-2-03	7/18/2003	SD0052	0	0	11.8	129 <i>J</i>	0.06	0.98	37 <i>J</i>	1.4 <i>J</i>	0.11	40	0.102
PHASE1RA	RL-3-03	7/18/2003	SD0053	0	0	10.3	95.2 <i>J</i>	0.06	0.88	26 <i>J</i>	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 <i>J</i>	16.8	55.5
PHASE1RA	RL-2-03	7/18/2003	SD0052	0	0	2.9 <i>U</i>	31.5	130
PHASE1RA	RL-3-03	7/18/2003	SD0053	0	0	5.1 <i>J</i>	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 (μ g/L unfiltered)	Antimony (μ g/L unfiltered)	Arsenic (μ g/L unfiltered)	Barium (μ g/L unfiltered)	Cadmium (mg/L unfiltered)	Calcium (μ g/L unfiltered)
PHASE1RA	IP-01	7/24/2003	SW0042	0	0		48.2	0.29 <i>J</i>	113	233	0.27	102,000
PHASE1RA	IP-02	7/24/2003	SW0043	0	0		80.1	0.28 <i>J</i>	92.2	193	0.05 <i>U</i>	85,200
PHASE1RA	IP-03	7/24/2003	SW0044	0	0		144	0.21 <i>J</i>	55.4	211	0.22	67,500
PHASE1RA	IP-04	7/24/2003	SW0045	0	0		247	0.27 <i>J</i>	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 <i>J</i>	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 <i>J</i>	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 <i>U</i>	
PSCHAR	PLSX	9/17/2002	PLSX	0	0	1,100					0.050 <i>U</i>	

Table C-15. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Chromium ($\mu\text{g/L}$ unfiltered)	Cobalt ($\mu\text{g/L}$ unfiltered)	Copper ($\mu\text{g/L}$ unfiltered)	Fluoride (mg/L unfiltered)	Iron ($\mu\text{g/L}$ unfiltered)	Lead (mg/L unfiltered)
PHASE1RA	IP-01	7/24/2003	SW0042	0	0	3.78	1.06	0.9 <i>J</i>	0.2	365	0.4
PHASE1RA	IP-02	7/24/2003	SW0043	0	0	3.39	0.69	0.9 <i>J</i>	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 <i>J</i>	674	0.65
PHASE1RA	NLF	7/18/2003	SW0025	0	0	2.03	0.45	1	0.05 <i>J</i>	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 <i>J</i>	0.05 <i>J</i>	232	0.58
PHASE1RA	NLK	7/18/2003	SW0023	2	0	1.63	0.45	1	0.06 <i>J</i>	262	0.55
PHASE1RA	PLNL	7/22/2003	SW0041	0	0	1.98	1.38	0.5 <i>J</i>	0.05 <i>J</i>	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 <i>J</i>	0.05 <i>J</i>	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 ($\mu\text{g/L}$ unfiltered)	Manganese ($\mu\text{g/L}$ unfiltered)	Mercury ($\mu\text{g/L}$ unfiltered)	Molybdenum ($\mu\text{g/L}$ unfiltered)	Nickel ($\mu\text{g/L}$ unfiltered)	Selenium ($\mu\text{g/L}$ unfiltered)	Silver ($\mu\text{g/L}$ unfiltered)
PHASE1RA	IP-01	7/24/2003	SW0042	0	0	267,000	33.7	0.05 <i>U</i>	2.03	10.6	0.2 <i>U</i>	0.11 <i>J</i>
PHASE1RA	IP-02	7/24/2003	SW0043	0	0	201,000	30.0	0.05 <i>U</i>	1.94 <i>J</i>	8.07	0.2 <i>U</i>	0.24
PHASE1RA	IP-03	7/24/2003	SW0044	0	0	132,000	57.8	0.05 <i>U</i>	1.41	5.83	0.2 <i>U</i>	0.12
PHASE1RA	IP-04	7/24/2003	SW0045	0	0	240,000	47.4	0.05 <i>U</i>	2.41	10.4	0.3 <i>J</i>	0.05 <i>U</i>
PHASE1RA	NLF	7/18/2003	SW0025	0	0	50,900	13.9	0.05 <i>U</i>	0.38	3.72	0.3 <i>J</i>	0.01 <i>J</i>
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 <i>U</i>	0.3	3.58	0.2 <i>J</i>	0.01 <i>J</i>
PHASE1RA	NLK	7/18/2003	SW0023	2	0	48,400	17.5	0.05 <i>U</i>	0.34	3.42	0.3 <i>J</i>	0.03
PHASE1RA	PLNL	7/22/2003	SW0041	0	0	166,000	200	0.05 <i>U</i>	0.59 <i>J</i>	7.55	0.3 <i>J</i>	0.25
PSCHAR	PLNN	9/17/2002	PLNN	0	0							
PHASE1RA	PLNN	7/22/2003	SW0040	0	0	167,000	277	0.05 <i>U</i>	0.5 <i>J</i>	7.05	0.6 <i>J</i>	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 ($\mu\text{g/L}$ unfiltered)	Thallium ($\mu\text{g/L}$ unfiltered)	Tin ($\mu\text{g/L}$ unfiltered)	Vanadium ($\mu\text{g/L}$ unfiltered)	Zinc (mg/L unfiltered)
PHASE1RA	IP-01	7/24/2003	SW0042	0	0	1,590	0.03 <i>U</i>	10 <i>U</i>	0.4 <i>U</i>	61.8
PHASE1RA	IP-02	7/24/2003	SW0043	0	0	1,220	0.03 <i>U</i>	10 <i>U</i>	0.4 <i>U</i>	3.09 <i>J</i>
PHASE1RA	IP-03	7/24/2003	SW0044	0	0	854	0.07 <i>J</i>	10 <i>U</i>	0.57 <i>J</i>	4.34
PHASE1RA	IP-04	7/24/2003	SW0045	0	0	1,440	0.03 <i>U</i>	10 <i>U</i>	0.85 <i>J</i>	6.03
PHASE1RA	NLF	7/18/2003	SW0025	0	0	519	0.007 <i>J</i>	23.7 <i>J</i>	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 <i>J</i>	10 <i>U</i>	0.22 <i>J</i>	5.8
PHASE1RA	NLK	7/18/2003	SW0023	2	0	503	0.007 <i>J</i>	10 <i>U</i>	0.38	5.96
PHASE1RA	PLNL	7/22/2003	SW0041	0	0	1,830	0.045 <i>J</i>	10 <i>U</i>	0.18 <i>U</i>	4.98
PSCHAR	PLNN	9/17/2002	PLNN	0	0					35
PHASE1RA	PLNN	7/22/2003	SW0040	0	0	1,850	0.013 <i>U</i>	10 <i>U</i>	0.47 <i>J</i>	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: $(2.497 * [\text{Ca}] + 4.118 * [\text{Mg}])$ 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 (μ g/L unfiltered)	Antimony (μ g/L unfiltered)	Arsenic (μ g/L unfiltered)	Barium (μ g/L unfiltered)	Cadmium (mg/L unfiltered)	Calcium (μ g/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 ($\mu\text{g/L}$ unfiltered)	Cobalt ($\mu\text{g/L}$ unfiltered)	Copper ($\mu\text{g/L}$ unfiltered)	Fluoride (mg/L unfiltered)	Iron ($\mu\text{g/L}$ unfiltered)	Lead (mg/L unfiltered)	Magnesium ($\mu\text{g/L}$ unfiltered)
ENSR92	CLQ	9/1/1992	CLQ1	0	0						0.0010 <i>U</i>	
ENSR91	CLQ1	9/1/1991	CLQ1	0	0						0.2 <i>U</i>	
ENSR95	CLQ1	8/27/1995	CLQ1	0	0						0.002 <i>U</i>	
ENSR96	CLQ1	8/11/1996	608058-7	0	0						0.002 <i>U</i>	
ENSR92	CLR	9/1/1992	CLR1	0	0						0.003	
ENSR91	CLR1	9/1/1991	CLR1	0	0						0.2 <i>U</i>	
ENSR95	CLR1	8/27/1995	CLR1	0	0						0.002 <i>U</i>	
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 <i>U</i>	
ENSR95	CLS1	8/27/1995	CLS1	0	0						0.0059	
ENSR96	CLS1	8/11/1996	608058-11	0	0						0.002 <i>U</i>	
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 <i>U</i>	
ENSR95	CLT1	8/27/1995	CLT1	0	0						0.002 <i>U</i>	
ENSR96	CLT1	8/11/1996	608058-16	0	0						0.002 <i>U</i>	
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 <i>U</i>	
ENSR91	CLU1	9/1/1991	CLU1	2	0						0.2 <i>U</i>	
ENSR95	CLU1	8/27/1995	CLU1	0	0						0.002 <i>U</i>	
ENSR96	CLU1	8/11/1996	608058-18	0	0						0.002 <i>U</i>	
PHASE1RA	RL-1-03	7/18/2003	SW0026	0	0	5.96	3.7	0.4 <i>J</i>	0.02 <i>J</i>	299	0.00011	188,000
PHASE1RA	RL-2-03	7/18/2003	SW0027	0	0	7.29	4.13	0.6 <i>J</i>	0.01 <i>U</i>	290	0.00013	190,000
PHASE1RA	RL-3-03	7/18/2003	SW0028	0	0	8.22	5.35	1.4	0.01 <i>U</i>	693	0.00085	288,000

Table C-16. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Manganese ($\mu\text{g/L}$ unfiltered)	Mercury ($\mu\text{g/L}$ unfiltered)	Molybdenum ($\mu\text{g/L}$ unfiltered)	Nickel ($\mu\text{g/L}$ unfiltered)	Selenium ($\mu\text{g/L}$ unfiltered)	Silver ($\mu\text{g/L}$ unfiltered)	Strontium ($\mu\text{g/L}$ unfiltered)	Thallium ($\mu\text{g/L}$ 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 <i>U</i>	0.07 <i>J</i>	9.19	0.2 <i>U</i>	0.03	991	0.006 <i>J</i>
PHASE1RA	RL-2-03	7/18/2003	SW0027	0	0	502	0.05 <i>U</i>	0.08 <i>J</i>	10.1	0.2 <i>U</i>	0.02	1,010	0.009 <i>J</i>
PHASE1RA	RL-3-03	7/18/2003	SW0028	0	0	801	0.05 <i>U</i>	0.09 <i>J</i>	15.2	0.2 <i>U</i>	0.02	1,470	0.009 <i>J</i>

Table C-16. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Tin ($\mu\text{g/L}$ unfiltered)	Vanadium ($\mu\text{g/L}$ 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 <i>U</i>
ENSR95	CLQ1	8/27/1995	CLQ1	0	0			0.005 <i>U</i>
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 <i>U</i>
ENSR95	CLR1	8/27/1995	CLR1	0	0			0.005 <i>U</i>
ENSR96	CLR1	8/11/1996	608058-9	0	0			0.005 <i>U</i>
ENSR92	CLS	9/1/1992	CLS1	0	0			0.01 <i>U</i>
PSCHAR	CLS	9/17/2002	CLS	1	0			0.017
ENSR91	CLS1	9/1/1991	CLS1	0	0			0.04 <i>U</i>
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 <i>U</i>
ENSR95	CLT1	8/27/1995	CLT1	0	0			0.005 <i>U</i>
ENSR96	CLT1	8/11/1996	608058-16	0	0			0.016
ENSR92	CLU	9/1/1992	CLU1	1	0			0.01 <i>U</i>
ENSR92	CLU	9/1/1992	CLU1	2	0			0.027
ENSR91	CLU1	9/1/1991	CLU1	1	0			0.04 <i>U</i>
ENSR91	CLU1	9/1/1991	CLU1	2	0			0.04 <i>U</i>
ENSR95	CLU1	8/27/1995	CLU1	0	0			0.005 <i>U</i>
ENSR96	CLU1	8/11/1996	608058-18	0	0			0.017
PHASE1RA	RL-1-03	7/18/2003	SW0026	0	0	10 <i>U</i>	0.4 <i>U</i>	0.0175
PHASE1RA	RL-2-03	7/18/2003	SW0027	0	0	10 <i>U</i>	0.4 <i>U</i>	0.021
PHASE1RA	RL-3-03	7/18/2003	SW0028	0	0	10 <i>U</i>	0.4 <i>U</i>	0.0301

Note: *J* - estimated

U - undetected at detection limit shown

^a All hardness values have been calculated from calcium and magnesium as: $(2.497 * [\text{Ca}] + 4.118 * [\text{Mg}])$ 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 <i>J</i>	6.7	443		0.08	11.1 <i>J</i>	6.31	5.2	1 <i>J</i>
PSCHAR	NML	8/22/2002	NML	0	0						0.5 <i>U</i>				
PHASE1RA	NML	6/24/2003	SD0025	0	0	2,590	4.59 <i>J</i>	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 <i>J</i>	8.8	127		0.12	4.97	3.15	5.52	0.5 <i>J</i>
PSCHAR	NMM	8/22/2002	NMM	0	0						0.5 <i>U</i>				
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 <i>U</i>				
PHASE1RA	NMN	6/23/2003	SD0012	0	0	4,710	0.12	8 <i>J</i>	346		0.19	10.6	6.92	6.1	1.1 <i>J</i>
PHASE1RA	NMN	9/14/2003	SD0084	0	0	4,030	0.08 <i>J</i>	7.1	281		0.07	8.49 <i>J</i>	5.68	4.83	1.2 <i>J</i>
PSCHAR	NMO	8/22/2002	NMO	0	0						0.55 <i>U</i>				
PHASE1RA	NMO	6/23/2003	SD0010	1	0	5,620	0.12	7.7 <i>J</i>	379		0.15	13.9	8.89	6.08	1.4 <i>J</i>
PHASE1RA	NMO	6/23/2003	SD0010	2	0	5,620	0.11	7.5 <i>J</i>	385		0.17	13.9	8.84	6.09	1.4 <i>J</i>
PHASE1RA	NMO	9/14/2003	SD0085	1	0	4,960	0.07 <i>J</i>	7	241		0.10	9.7 <i>J</i>	6.56	4.60	1.2 <i>J</i>
PHASE1RA	NMO	9/14/2003	SD0085	2	0	5,100	0.07 <i>J</i>	6.2	260		0.11	8.95 <i>J</i>	6.09	4.33	1.2 <i>J</i>
PSCHAR	NMP	8/22/2002	NMP	1	0						0.55 <i>U</i>				
PSCHAR	NMP	8/22/2002	NMP	2	0						0.60 <i>U</i>				
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 <i>U</i>				
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 <i>U</i>				
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 <i>J</i>				
PSCHAR	NMT	8/22/2002	NMT	0	0						0.5 <i>U</i>				
PHASE1RA	NMT	6/26/2003	SD0030	0	0						0.04 <i>J</i>				
PHASE1RA	NMT	9/15/2003	SD0103	0	0						0.02 <i>U</i>				
PSCHAR	NMU	8/22/2002	NMU	0	0						0.55 <i>U</i>				
PHASE1RA	NMU	6/22/2003	SD0006	0	0	5,300	0.05 <i>U</i>	7.3 <i>J</i>	353		0.07	13.2	8.37	5.64	1.5
PHASE1RA	NMU	9/15/2003	SD0102	0	0	5,040	0.07 <i>J</i>	7.2	264		0.06	10.9 <i>J</i>	7.16	5.3	1.2 <i>J</i>
PSCHAR	NMV	8/22/2002	NMV	0	0						0.55 <i>U</i>				
PHASE1RA	NMV	6/23/2003	SD0016	0	0						0.08				
PHASE1RA	NMV	9/15/2003	SD0094	0	0						0.05 <i>J</i>				
PSCHAR	NMW	8/22/2002	NMW	0	0						0.55 <i>U</i>				
PHASE1RA	NMW	6/23/2003	SD0017	0	0						0.08				
PHASE1RA	NMW	9/15/2003	SD0101	0	0						0.05 <i>J</i>				
PSCHAR	NMX	8/22/2002	NMX	0	0						0.55 <i>U</i>				
PHASE1RA	NMX	6/23/2003	SD0018	0	0	5,850	0.04 <i>U</i>	8.2 <i>J</i>	410		0.09	13.5	6.91	5.38	1.2 <i>J</i>

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 <i>J</i>	8.2	232		0.1	11.7 <i>J</i>	7.29	5.32	1 <i>J</i>
PSCHAR	NMY	8/22/2002	NMY	0	0						0.55 <i>U</i>				
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 <i>U</i>				
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 <i>J</i>	0.48	25.9 <i>J</i>	0.5 <i>J</i>	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 <i>U</i>			0.5 <i>U</i>	0.11	
DMTP98	SS-L1-98	7/1/1998	SSL198BIL198	0	0		19.5		0.1 <i>U</i>			0.5 <i>U</i>	0.30	
DMTP98	SS-L2-98	7/1/1998	SSL298BIL298	0	0		32.7		0.1 <i>U</i>			1	0.18	
DMTP98	SS-L3-98	7/1/1998	SS-L3-98	0	0		32.1		0.1 <i>U</i>			0.5 <i>U</i>	0.11	
DMTP98	SS-L4-98	7/1/1998	SS-L4-98	0	0		8.86		0.1 <i>U</i>			0.5 <i>U</i>	0.04	
DMTP98	SS-L5-98	7/1/1998	SS-L5-98	0	0		5.79		0.1 <i>U</i>			0.5 <i>U</i>	0.05	
DMTP98	SS-L6-98	7/1/1998	SS-L6-98	0	0		17.0		0.1 <i>U</i>			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 <i>J</i>	22.1	61.5
PHASE1RA	NMAA	9/15/2003	SD0096	0	0	0.032	1.1 <i>U</i>	25.1 <i>J</i>	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 <i>U</i>	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 <i>U</i>	20.5	57.2
PHASE1RA	NMG	9/15/2003	SD0092	0	0	0.026	1.2 <i>U</i>	26.4 <i>J</i>	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 <i>U</i>	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 <i>U</i>	25.5 <i>J</i>	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 <i>U</i>	10.5 <i>J</i>	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 <i>J</i>	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 <i>J</i>	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 <i>J</i>	6.1	232	0.04 <i>J</i>	5.39	4.2	4.5	1 <i>J</i>
PHASE1RA	NM-REF-1	6/26/2003	SD0034	0	0	2,420	0.05 <i>UJ</i>	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 <i>J</i>	7.3	227	0.05 <i>J</i>	9.11	6.51	4.46	0.9 <i>J</i>
PHASE1RA	NM-REF-2	6/26/2006	SD0033	0	0	4,120	0.04 <i>UJ</i>	7	273	0.05 <i>J</i>	8.16	5.47	4.8	1.1
PHASE1RA	NM-REF-3	6/26/2003	SD0035	0	0	5,790	0.12 <i>J</i>	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 <i>J</i>	8.9	363	0.06	14.1	8.71	6	1.2 <i>J</i>

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 <i>U</i>		20.2		0.15	
BASLIN82	5/5	1/1/1982	5/5	0	0	8,150	2.7		0.01 <i>U</i>		9.8		0.03	
BASLIN82	8/10	1/1/1982	8/10	0	0	13,300	6.3		0.01 <i>U</i>		21		0.42	
BASLIN82	8/15	1/1/1982	8/15	0	0	14,500	4.1		0.01 <i>U</i>		27		0.49	
BASLIN82	8/2.5	1/1/1982	8/2.5	0	0	8,860	3.5		0.01 <i>U</i>		12		0.49	
BASLIN82	8/5	1/1/1982	8/5	0	0	13,100	6.1		0.01 <i>U</i>		22		0.47	
DMTP98	BI-10-98	7/1/1998	BI-10-98	0	0		6.26		0.02			0.5 <i>U</i>	0.03 <i>U</i>	
DMTP98	BI-11-98	7/1/1998	BI-11-98	0	0		5.78		0.01 <i>U</i>			0.5 <i>U</i>	0.03 <i>U</i>	
DMTP98	BI-12-98	7/1/1998	BI-12-98	0	0		5.72		0.01 <i>U</i>			0.5 <i>U</i>	0.03 <i>U</i>	
PHASE1RA	BI-7-03	6/24/2003	SD0020	0	0	22,700	5.18	361	0.01 <i>J</i>	0.61	28.2	0.8 <i>J</i>	0.04	27.9 <i>J</i>
DMTP98	BI-7-98	7/1/1998	BI-7-98	0	0		4.81		0.01 <i>U</i>			0.5 <i>U</i>	0.03 <i>U</i>	
PHASE1RA	BI-8-03	6/24/2003	SD0021	0	0	21,800	5.2	379	0.02 <i>J</i>	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 <i>U</i>	0.03 <i>U</i>	
PHASE1RA	BI-9-03	6/24/2003	SD0022	0	0	20,500	5.95	296	0.02 <i>J</i>	0.66	29.3	0.9 <i>J</i>	0.05	29
DMTP98	BI-9-98	7/1/1998	BI-9-98	0	0		5.86		0.01 <i>U</i>			0.5 <i>U</i>	0.03 <i>U</i>	
PHASE1RA	NM-R1	9/15/2003	SD0105	0	0	11,000	4.59	187	0.005 <i>U</i>	0.44	14.1	0.3 <i>J</i>	0.03	18.4
PHASE1RA	NM-REF-1	6/26/2003	SD0034	0	0	9,130	11.2	201	0.01 <i>J</i>	0.62	20.3	0.4 <i>J</i>	0.02	13
PHASE1RA	NM-REF-2	9/15/2003	SD0106	0	0	16,600	4.57	296	0.005 <i>U</i>	0.47	20.3	0.4 <i>J</i>	0.03	23.1
PHASE1RA	NM-REF-2	6/26/2006	SD0033	0	0	13,500	4.99	282	0.01 <i>J</i>	0.48	19.4	0.6 <i>J</i>	0.03	22.4
PHASE1RA	NM-REF-3	6/26/2003	SD0035	0	0	19,200	5.37	318	0.01 <i>J</i>	0.48	31.1	0.6 <i>J</i>	0.03	28.9
PHASE1RA	NM-REF-3	9/15/2003	SD0107	0	0	21,600	5.15	389	0.005 <i>U</i>	0.56	34.8	0.6 <i>J</i>	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 <i>J</i>	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 <i>J</i>	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 <i>J</i>	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 <i>U</i>	13	31.7
PHASE1RA	NM-REF-1	6/26/2003	SD0034	0	0	0.042	7.5 <i>J</i>	15.1	40.1
PHASE1RA	NM-REF-2	9/15/2003	SD0106	0	0	0.029	1.2 <i>U</i>	18.1	38.8
PHASE1RA	NM-REF-2	6/26/2006	SD0033	0	0	0.029	4.9 <i>J</i>	18.4	39.8
PHASE1RA	NM-REF-3	6/26/2003	SD0035	0	0	0.028	6.7 <i>J</i>	27.6	48.9
PHASE1RA	NM-REF-3	9/15/2003	SD0107	0	0	0.052	1.1 <i>U</i>	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 (μ g/L unfiltered)	Antimony (μ g/L unfiltered)	Arsenic (μ g/L unfiltered)	Barium (μ g/L unfiltered)	Cadmium (μ g/L unfiltered)	Calcium (μ g/L unfiltered)
PHASE1RA	NMAA	6/23/2003	SW0001	0	0		44	1.08 <i>J</i>	6 <i>J</i>	12.6	1.58	302,000
PHASE1RA	NMAA	9/15/2003	SW0047	0	0	3,900 ^b	178	0.4 <i>U</i>	1.7 <i>J</i>	29.9	4.01	260,000
PHASE1RA	NMF	6/25/2003	SW0009	0	0		25 <i>U</i>	0.78 <i>J</i>	3 <i>U</i>	12.8	1.88	310,000
PHASE1RA	NMG	6/24/2003	SW0008	0	0		77.5	0.2 <i>U</i>	5.4 <i>J</i>	12.1	1.97	320,000
PHASE1RA	NMG	9/15/2003	SW0046	0	0	4,000 ^b	97	0.5 <i>J</i>	2 <i>J</i>	30.4	4.20	266,000
PHASE1RA	NMK	6/23/2003	SW0004	0	0		60.5	0.2 <i>U</i>	3 <i>U</i>	13.4	1.95	314,000
PHASE1RA	NMK	9/15/2003	SW0048	0	0	4,060 ^b	188	0.4 <i>U</i>	1.5 <i>J</i>	39.4	4.36	269,000
PHASE1RA	NML	6/24/2003	SW0002	1	0		25 <i>U</i>	0.47 <i>J</i>	3 <i>U</i>	12.9	1.82	319,000
PHASE1RA	NML	6/24/2003	SW0002	2	0		61.2	0.2 <i>U</i>	6.3 <i>J</i>	12.7	2.01	320,000
PHASE1RA	NML	9/16/2003	SW0052	1	0	3,830 ^b	215	2.79	1.8 <i>J</i>	29.1	4.58	257,000
PHASE1RA	NML	9/16/2003	SW0052	2	0	3,650 ^b	195	0.97 <i>J</i>	1.8 <i>J</i>	27.4	4.62	245,000

Table C-19. (cont.)

Survey	Survey Station	Date	Sample ID	Field Replicate	Subsample	Chromium ($\mu\text{g/L}$ unfiltered)	Cobalt ($\mu\text{g/L}$ unfiltered)	Copper ($\mu\text{g/L}$ unfiltered)	Fluoride (mg/L unfiltered)	Iron ($\mu\text{g/L}$ unfiltered)	Lead ($\mu\text{g/L}$ unfiltered)	Magnesium ($\mu\text{g/L}$ 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 ($\mu\text{g/L}$ unfiltered)	Mercury ($\mu\text{g/L}$ unfiltered)	Molybdenum ($\mu\text{g/L}$ unfiltered)	Nickel ($\mu\text{g/L}$ unfiltered)	Selenium ($\mu\text{g/L}$ unfiltered)	Silver ($\mu\text{g/L}$ unfiltered)
PHASE1RA	NMAA	6/23/2003	SW0001	0	0	22.1	0.05 <i>U</i>	11.0	2 <i>U</i>	0.6 <i>J</i>	0.95
PHASE1RA	NMAA	9/15/2003	SW0047	0	0	14.5	0.05 <i>U</i>	8.77	10 <i>U</i>	0.5 <i>J</i>	0.59 <i>J</i>
PHASE1RA	NMF	6/25/2003	SW0009	0	0	18.9	0.05 <i>U</i>	10.6	2 <i>U</i>	0.3 <i>J</i>	0.55
PHASE1RA	NMG	6/24/2003	SW0008	0	0	20.9	0.05 <i>U</i>	11	2 <i>U</i>	0.4 <i>J</i>	0.1 <i>U</i>
PHASE1RA	NMG	9/15/2003	SW0046	0	0	13.1	0.05 <i>U</i>	9.09	10 <i>U</i>	1 <i>J</i>	0.51 <i>J</i>
PHASE1RA	NMK	6/23/2003	SW0004	0	0	31.9	0.05 <i>U</i>	10.8	2 <i>U</i>	0.5 <i>J</i>	0.1 <i>U</i>
PHASE1RA	NMK	9/15/2003	SW0048	0	0	15.5	0.05 <i>U</i>	8.7	10 <i>U</i>	0.2 <i>U</i>	0.2 <i>U</i>
PHASE1RA	NML	6/24/2003	SW0002	1	0	21.7	0.05 <i>U</i>	11.1	2 <i>U</i>	0.7 <i>J</i>	0.69
PHASE1RA	NML	6/24/2003	SW0002	2	0	21.3	0.05 <i>U</i>	10.9	2 <i>U</i>	0.5 <i>J</i>	0.1 <i>U</i>
PHASE1RA	NML	9/16/2003	SW0052	1	0	14.3	0.05 <i>U</i>	8.65	10 <i>U</i>	0.5 <i>J</i>	0.2 <i>U</i>
PHASE1RA	NML	9/16/2003	SW0052	2	0	14.1	0.05 <i>U</i>	8.1	10 <i>U</i>	0.2 <i>U</i>	0.2 <i>U</i>

Table C-19. (cont.)

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

Note: *J* - estimated

U - undetected at detection limit shown

^a All hardness values have been calculated from calcium and magnesium as: $(2.497 * [\text{Ca}] + 4.118 * [\text{Mg}])$ 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 (μ g/L unfiltered)	Antimony (μ g/L unfiltered)	Arsenic (μ g/L unfiltered)	Barium (μ g/L unfiltered)	Cadmium (μ g/L unfiltered)
PHASE1RA	NM-R1	9/15/2003	SW0049	0	0	3,820 ^b	336	1.67 <i>J</i>	1.1 <i>J</i>	36.1	4.28
PHASE1RA	NM-REF-1	6/26/2003	SW0013	0	0		63.9	0.2 <i>U</i>	7.2 <i>J</i>	11.1	2.3
PHASE1RA	NM-REF-2	6/26/2003	SW0011	1	0		25 <i>U</i>	0.44 <i>J</i>	3 <i>U</i>	9.91	2.27
PHASE1RA	NM-REF-2	9/15/2003	SW0050	0	0	3,900 ^b	309	0.4 <i>U</i>	1.7 <i>J</i>	38.1	4.69
PHASE1RA	NM-REF-3	6/26/2003	SW0014	0	0		25 <i>U</i>	0.2 <i>U</i>	7.5 <i>J</i>	10.3	2.83
PHASE1RA	NM-REF-3	9/15/2003	SW0051	0	0	3,870 ^b	264	1.26 <i>J</i>	2 <i>J</i>	33.9	4.64

Table C-20. (cont.)

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

Table C-20. (cont.)

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

Table C-20. (cont.)

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

Note: *J* - estimated

U - undetected at detection limit shown

^a All hardness values have been calculated from calcium and magnesium as: $(2.497 * [\text{Ca}] + 4.118 * [\text{Mg}])$ 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 ($\mu\text{g/g}$ dry)	Antimony (mg/kg dry)	Arsenic ($\mu\text{g/g}$ dry)	Barium (mg/kg dry)	Cadmium ($\mu\text{g/g}$ dry)	Calcium ($\mu\text{g/g}$ dry)	Chromium (mg/kg dry)
Site													
FUGDST01	HR01-01A	8/20/2001	HR-01-01-M	0	0		43,300 <i>J</i>		12.9		27.2	26,300	
FUGDST01	HR01-02M	8/21/2001	HR-01-02-M	0	0		23,700 <i>J</i>		6.50		13.3	12,800	
FUGDST01	HR01-03M	8/24/2001	HR-01-03-M	0	0		1,750 <i>J</i>		1.45		1.66	2,720	
FUGDST01	HR02-01M	8/20/2001	HR-02-01-M	0	0		47,900 <i>J</i>		13.8		21.5	19,100	
FUGDST01	HR02-02M	8/21/2001	HR-02-02-M	0	0		12,500 <i>J</i>		3.82		6.14	7,190	
FUGDST01	HR02-03M	8/24/2001	HR-02-03-M	0	0		196 <i>J</i>		0.380		0.502	3,960	
FUGDST01	HR03-01M	8/19/2001	HR-03-01-M	1	0		18,100 <i>J</i>		5.50		6.79	73,500	
FUGDST01	HR03-01M	8/19/2001	HR-03-01-M	2	0		25,400 <i>J</i>		7.99		9.53	113,000	
FUGDST01	HR03-02M	8/21/2001	HR-03-02-M	0	0		8,220 <i>J</i>		2.60		2.93	24,700	
FUGDST01	HR03-03M	8/24/2001	HR-03-03-M	0	0		6,550 <i>J</i>		1.50		0.940	7,020	
FUGDST01	HR04-01B	8/20/2001	HR-04-01-M	0	0		9,550 <i>J</i>		4.21		8.86	115,000	
FUGDST01	HR04-02M	8/21/2001	HR-04-02-M	0	0		5,680 <i>J</i>		2.44		6.07	60,900	
FUGDST01	HR04-03M	8/24/2001	HR-04-03-M	0	0		914 <i>J</i>		0.383		1.21	11,800	
FUGDST01	HR05-01M	8/21/2001	HR-05-01-M	0	0		20,900 <i>J</i>		10.1		9.26	72,400	
FUGDST01	HR05-02M	8/21/2001	HR-05-02-M	0	0		6,960 <i>J</i>		1.84		3.13	9,800	
FUGDST01	HR05-03M	8/24/2001	HR-05-03-M	0	0		701 <i>J</i>		0.200 <i>U</i>		1.00	2,660	
FUGDST01	HR06-01M	8/20/2001	HR-06-01-M	0	0		39,100 <i>J</i>		10.1		10.3	12,400	
FUGDST01	HR06-02M	8/21/2001	HR-06-02-M	0	0		14,500 <i>J</i>		5.03		10.9	6,520	
FUGDST01	HR06-03M	8/24/2001	HR-06-03-M	0	0		2,440 <i>J</i>		2.93		14.1	5,910	
FUGDST01	HR06-04M	8/24/2001	HR-06-04-M	0	0		650 <i>J</i>		1.18		4.61	7,800	
FUGDST01	HR07-01M	8/20/2001	HR-07-01-M	0	0		30,600 <i>J</i>		15.7		23.1	33,700	
FUGDST01	HR07-02M	8/21/2001	HR-07-02-M	1	0		9,740 <i>J</i>		6.99		16.9	7,330	
FUGDST01	HR07-02M	8/21/2001	HR-07-02-M	2	0		8,370 <i>J</i>		5.57		14.9	7,790	
FUGDST01	HR07-03M	8/24/2001	HR-07-03-M	0	0		695 <i>J</i>		0.859		4.27	2,310	
FUGDST01	HR07-04M	8/24/2001	HR-07-04-M	0	0		404 <i>J</i>		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 ($\mu\text{g/g}$ dry)	Antimony (mg/kg dry)	Arsenic ($\mu\text{g/g}$ dry)	Barium (mg/kg dry)	Cadmium ($\mu\text{g/g}$ dry)	Calcium ($\mu\text{g/g}$ 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) (%)	Aluminum ($\mu\text{g/g}$ dry)	Antimony (mg/kg dry)	Arsenic ($\mu\text{g/g}$ dry)	Barium (mg/kg dry)	Cadmium ($\mu\text{g/g}$ dry)	Calcium ($\mu\text{g/g}$ dry)	Chromium (mg/kg dry)
PHASE1RA	TT2-1000	7/19/2003	MS0006	2	0	93.2	599	0.31	0.5 <i>J</i>	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 <i>J</i>	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 ($\mu\text{g/g dry}$)	Lead ($\mu\text{g/g dry}$)	Magnesium ($\mu\text{g/g dry}$)	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 ($\mu\text{g/g dry}$)	Lead ($\mu\text{g/g dry}$)	Magnesium ($\mu\text{g/g dry}$)	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 ($\mu\text{g/g dry}$)	Lead ($\mu\text{g/g dry}$)	Magnesium ($\mu\text{g/g dry}$)	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 <i>J</i>	44.8		652	0.097	0.24
PHASE1RA	TT3-0010	7/17/2003	MS0002	0	0	5.61	16.8	5,530 <i>J</i>	241		440	0.18	0.88
PHASE1RA	TT3-0100	7/17/2003	MS0001	0	0	2.88	9.73	2,880 <i>J</i>	148		273	0.107	0.61
PHASE1RA	TT3-1000	7/21/2003	MS0015	0	0	0.469	3.49	499 <i>J</i>	29.5		550	0.082	0.5
PHASE1RA	TT4-0010	7/21/2003	MS0017	0	0	7.24	40.5	15,500 <i>J</i>	632		453	0.439	2.4
PHASE1RA	TT4-0100	7/21/2003	MS0016	0	0	2.84	17.4	4,810 <i>J</i>	422		294	0.268	1.02
PHASE1RA	TT4-1000	7/21/2003	MS0014	0	0	1.46	8.62	1,580 <i>J</i>	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 ($\mu\text{g/g}$ dry)	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc ($\mu\text{g/g}$ 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 ($\mu\text{g/g dry}$)	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc ($\mu\text{g/g dry}$)
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 ($\mu\text{g/g dry}$)	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc ($\mu\text{g/g dry}$)
PHASE1RA	TT2-1000	7/19/2003	MS0006	2	0	3.46	0.2 <i>U</i>	0.1	14.2	0.041	2.2 <i>U</i>	1.23	267
PHASE1RA	TT3-0010	7/17/2003	MS0002	0	0	25.2	0.6 <i>J</i>	0.52	55.2	0.265	2 <i>U</i>	12.3	1,110
PHASE1RA	TT3-0100	7/17/2003	MS0001	0	0	12.6	0.3 <i>J</i>	0.28	23.1	0.149	2 <i>U</i>	7.25	595
PHASE1RA	TT3-1000	7/21/2003	MS0015	0	0	3.72	0.2 <i>U</i>	0.07	5.4	0.053	2.1 <i>U</i>	1.3	135
PHASE1RA	TT4-0010	7/21/2003	MS0017	0	0	31.6	1.5	1.26	107	1.84	2 <i>U</i>	14.7	2,400
PHASE1RA	TT4-0100	7/21/2003	MS0016	0	0	15.8	0.6 <i>J</i>	0.7	48.6	0.759	2 <i>U</i>	7.25	1,090
PHASE1RA	TT4-1000	7/21/2003	MS0014	0	0	6.43	0.4 <i>J</i>	0.82	23.4	0.612	3.1 <i>U</i>	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 ($\mu\text{g/g}$ dry)	Antimony (mg/kg dry)	Arsenic ($\mu\text{g/g}$ dry)	Barium (mg/kg dry)	Cadmium ($\mu\text{g/g}$ dry)	Calcium ($\mu\text{g/g}$ 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 <i>J</i>	103	0.38		1.37	2.03
PHASE1RA	TS-REF-8	7/20/2003	MS0010	0	0	98.6	713	0.15	0.3 <i>J</i>	119	0.34		2.96	0.758
PHASE1RA	TS-REF10	7/20/2003	MS0009	0	0	94.8	175	0.07	0.2 <i>J</i>	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 ($\mu\text{g/g}$ dry)	Lead ($\mu\text{g/g}$ dry)	Magnesium ($\mu\text{g/g}$ 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 <i>J</i>	9.64		712	0.047	0.3	6.34
PHASE1RA	TS-REF-8	7/20/2003	MS0010	0	0	4.35	1,210 <i>J</i>	7.71		520	0.067	0.14	4.77
PHASE1RA	TS-REF10	7/20/2003	MS0009	0	0	3.29	337 <i>J</i>	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 (μ g/g dry)	Strontium (mg/kg dry)	Thallium (mg/kg dry)	Tin (mg/kg dry)	Vanadium (mg/kg dry)	Zinc (μ g/g dry)
Reference												
PHASE1RA	TS-REF-7	7/20/2003	MS0011	0	0	0.2 <i>U</i>	0.02	5.4	0.04	2 <i>U</i>	0.61	47.9
PHASE1RA	TS-REF-8	7/20/2003	MS0010	0	0	0.2 <i>U</i>	0.03	11	0.02 <i>J</i>	2.2 <i>U</i>	1.73	64
PHASE1RA	TS-REF10	7/20/2003	MS0009	0	0	0.2 <i>U</i>	0.02	4.1	0.019 <i>J</i>	2.1 <i>U</i>	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		Total Solids (dry wt. as % of wet wt. or volume) (%)	Cadmium (mg/kg dry)	Lead (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)
					Replicate	Subsample					
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		Total Solids (dry wt. as % of wet wt. or volume) (%)	Cadmium (mg/kg dry)	Lead (mg/kg dry)	Selenium (mg/kg dry)	Zinc (mg/kg dry)
					Replicate	Subsample					
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

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

Table D-1. (cont.)

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

Table D-1. (cont.)

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

Table D-1. (cont.)

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

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)	<i>meta-</i> and <i>para-</i> Xylenes (mg/kg dry)	<i>ortho</i> -Xylene (mg/kg dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	880 <i>J</i>	2,900 <i>J</i>	0.040 <i>U</i>	0.037 <i>U</i>	0.039 <i>U</i>	0.080 <i>U</i>	0.044 <i>U</i>
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	730 <i>J</i>	6,300 <i>J</i>	0.056 <i>U</i>	0.051 <i>U</i>	0.055 <i>U</i>	0.12 <i>U</i>	0.061 <i>U</i>
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	450 <i>J</i>	8,500 <i>J</i>	0.049 <i>U</i>	0.045 <i>U</i>	0.048 <i>U</i>	0.099 <i>U</i>	0.054 <i>U</i>
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	1,800 <i>J</i>	12,000 <i>J</i>	0.045 <i>U</i>	0.041 <i>U</i>	0.044 <i>U</i>	0.091 <i>U</i>	0.049 <i>U</i>
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	2,200 <i>J</i>	15,000 <i>J</i>	0.025 <i>U</i>	0.023 <i>U</i>	0.10 <i>J</i>	0.051 <i>U</i>	0.028 <i>U</i>
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	690 <i>J</i>	10,000 <i>J</i>	0.039 <i>U</i>	0.036 <i>U</i>	0.038 <i>U</i>	0.079 <i>U</i>	0.043 <i>U</i>
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	4,400 <i>J</i>	23,000 <i>J</i>	0.040 <i>U</i>	0.036 <i>U</i>	2.7	0.080 <i>U</i>	0.043 <i>U</i>
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	4,800 <i>J</i>	25,000 <i>J</i>	0.041 <i>UU</i>	0.038 <i>UU</i>	1.8 <i>J</i>	0.083 <i>UU</i>	0.045 <i>UU</i>
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	2,400 <i>J</i>	15,000 <i>J</i>	0.022 <i>U</i>	0.021 <i>U</i>	0.94	0.045 <i>U</i>	0.024 <i>U</i>
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	450 <i>J</i>	4,000 <i>J</i>	0.049 <i>U</i>	0.045 <i>U</i>	0.087 <i>UU</i>	0.098 <i>U</i>	0.053 <i>U</i>
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	1,400 <i>J</i>	9,200 <i>J</i>	0.042 <i>U</i>	0.039 <i>U</i>	0.080 <i>UU</i>	0.085 <i>U</i>	0.046 <i>U</i>
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1,900 <i>J</i>	11,000 <i>J</i>	0.022 <i>U</i>	0.020 <i>U</i>	0.044 <i>UU</i>	0.044 <i>U</i>	0.024 <i>U</i>

Table D-2. (cont.)

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

Table D-2. (cont.)

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

Table D-2. (cont.)

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

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 ($\mu\text{g}/\text{kg}$ dry)	Benzo[a]-pyrene ($\mu\text{g}/\text{kg}$ dry)	Benzo[b]-fluoranthene ($\mu\text{g}/\text{kg}$ dry)	Benzo[ghi]-perylene ($\mu\text{g}/\text{kg}$ dry)	Benzo[k]-fluoranthene ($\mu\text{g}/\text{kg}$ dry)	Chrysene ($\mu\text{g}/\text{kg}$ dry)	Dibenz[a,h]-anthracene ($\mu\text{g}/\text{kg}$ dry)
Site														
PHASE1RA	SA-1	7/13/2003	TS0001	0	0	0	2	0.81 <i>J</i>	0.70 <i>J</i>	1.1 <i>J</i>	2.2 <i>U</i>	0.81 <i>J</i>	2.4 <i>J</i>	0.79 <i>U</i>
PHASE1RA	SA-1	7/13/2003	TS0002	0	0	2	25	0.94 <i>J</i>	0.89 <i>U</i>	0.89 <i>U</i>	3.1 <i>U</i>	0.95 <i>U</i>	1.8 <i>J</i>	1.7 <i>U</i>
PHASE1RA	SA-2	7/13/2003	TS0003	0	0	0	2	2.1 <i>J</i>	1.4 <i>J</i>	2.5 <i>J</i>	2.3 <i>U</i>	2.4 <i>J</i>	4.1 <i>J</i>	1.1 <i>U</i>
PHASE1RA	SA-2	7/13/2003	TS0004	0	0	2	18	2.0 <i>J</i>	6.5 <i>J</i>	6.5 <i>J</i>	19 <i>J</i>	5.3 <i>J</i>	5.5 <i>J</i>	9.2 <i>J</i>
PHASE1RA	SA-2	7/13/2003	SL0001	0	0	18	20	0.73 <i>U</i>	1.2 <i>J</i>	1.5 <i>J</i>	6.8 <i>J</i>	0.84 <i>U</i>	2.5 <i>J</i>	6.4 <i>J</i>
PHASE1RA	SA-3	7/13/2003	TS0005	0	0	0	2	1.2 <i>U</i>	1.3 <i>U</i>	1.3 <i>U</i>	7.9 <i>J</i>	1.4 <i>U</i>	1.6 <i>J</i>	15 <i>J</i>
PHASE1RA	SA-3	7/13/2003	TS0006	1	0	2	28	2.4 <i>U</i>	2.6 <i>J</i>	2.6 <i>U</i>	7.5 <i>J</i>	2.8 <i>U</i>	2.8 <i>U</i>	3.4 <i>U</i>
PHASE1RA	SA-3	7/13/2003	TS0006	2	0	2	28	2.5 <i>U</i>	2.7 <i>U</i>	2.7 <i>U</i>	7.1 <i>J</i>	2.9 <i>U</i>	2.9 <i>U</i>	12 <i>J</i>
PHASE1RA	SA-3	7/13/2003	SL0002	0	0	28	30	1.3 <i>U</i>	1.4 <i>U</i>	1.4 <i>U</i>	2.2 <i>U</i>	1.5 <i>U</i>	2.3 <i>J</i>	1.8 <i>U</i>
Reference														
PHASE1RA	TS-REF-9	7/20/2003	TS0030	0	0	0	2	0.72 <i>U</i>	0.77 <i>U</i>	0.77 <i>U</i>	0.55 <i>U</i>	0.83 <i>U</i>	0.83 <i>U</i>	0.99 <i>UU</i>
PHASE1RA	TS-REF-9	7/20/2003	TS0016	0	0	2	28	0.97 <i>U</i>	1.1 <i>U</i>	1.1 <i>U</i>	0.74 <i>U</i>	1.2 <i>U</i>	1.7 <i>J</i>	1.4 <i>UU</i>
PHASE1RA	TS-REF-9	7/20/2003	SL0027	0	0	28	30	1.5 <i>U</i>	1.6 <i>U</i>	1.6 <i>U</i>	3.2 <i>J</i>	1.7 <i>U</i>	2.2 <i>J</i>	2.1 <i>UU</i>

Table D-3. (cont.)

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

Table D-3. (cont.)

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

Note: *J* - estimated

U - undetected at detection limit shown