



Photo 2.15 Facing north from sample location RI-31



Photo 2.16 Facing south at debris near ESG-16 with RI-33 and RI-32 in foreground.



Photo 2.17 Facing south at ESG-19 middle background and RI-36 on left and RI-37 on right.



Photo 2.18 Facing west along ravine on south side of main house. ESG-08 in foreground and ESG-65 in background.



Photo 2.19 Facing east up freshwater pond drainage ravine. ESG-47 in background near dam. RI-40 on left and RI-39 on right.



Photo 2.20 Facing east a freshwater pond dam and main house in background. Note ESG-47 near badly corroded battery



Photo 2.21 Facing south at main house where lead paint sample RI-41 was obtained.



Photo 2.22 Facing south at former beach hut/coal offloading area. ESG-H429 in foreground.



Photo 2.23 Facing south. RI-23 on left (multiple flags) ESG-26 centre, RI-24 right of ESG-26. ESG-25 visible near flag and RI-27 on far right.



Photo 2.24 Facing west towards coal pile and RI-28 on right.

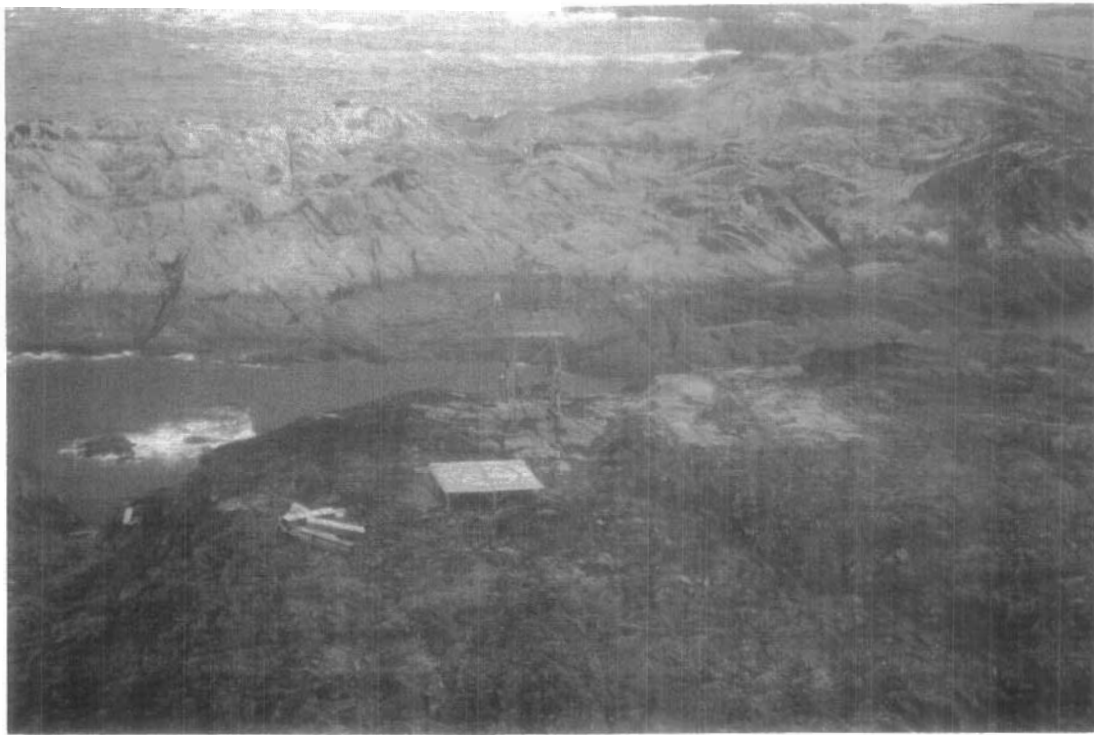


Photo 3.1 Former helipad, beacon tower, and wood



Photo 3.2 Typical debris near former powerhouse

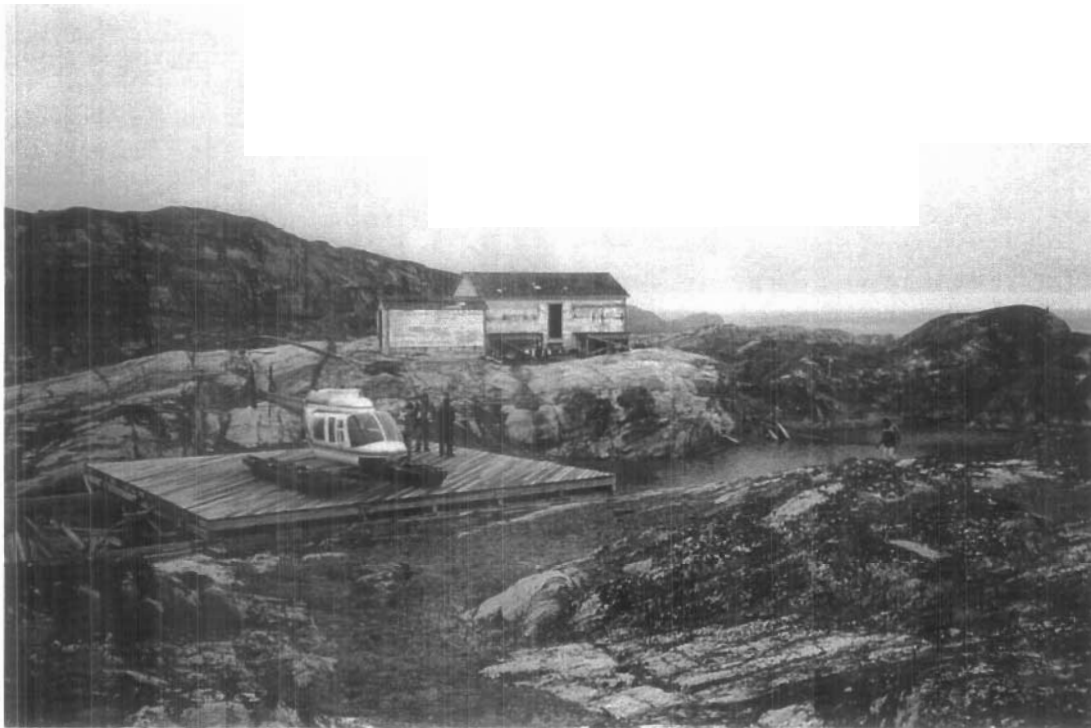


Photo 3.3 Facing east at helipad on concrete foundation. Winch shed and main house in background.



Photo 3.4 Former beach hut debris with coal and barrels in background



Photo 3.5 Damaged batteries.



Photo 3.6 Submersed debris and battery



Photo 4.1 Facing southeast across former building foundation. Natural low area in bedrock is pond in background.



Photo 4.2 Facing southeast at freshwater pond/reservoir west of main house. Reservoir already has a substantial amount of debris in it

APPENDIX C

LAB DATA



ANALYTICAL SERVICES

26-Oct-01
Page 1 of 31

Certificate of Analysis

9619 42 Avenue
Edmonton, Alberta
Canada T6E 5R2
Tel 780 465 1212
Fax 780 450 4187

Reported To :

PWGSC - ENVIRONMENTAL

Client Code PG

1000 - 9700 JASPER AVE
EDMONTON, AB
T5J 4E2

Attention : WILL WAWNYCHUK
Phone : (780) 497-3892
FAX : (780) 497-3842

Project Information :

Project ID : 19340-01 RADIO ISLAND
Submitted By: DON ROY

Requisition Forms :

Form 42012479 shipped on 05-Sep-01 received on 07-Sep-01 logged on 7-Sep-01 completed on 18-Sep-01
Form 42112479 shipped on 05-Sep-01 received on 07-Sep-01 logged on 7-Sep-01 completed on 27-Sep-01
Form 42212479 shipped on 05-Sep-01 received on 07-Sep-01 logged on 7-Sep-01 completed on 27-Sep-01
Form 42312479 shipped on 05-Sep-01 received on 07-Sep-01 logged on 7-Sep-01 completed on 18-Sep-01

Remarks :

- + All organic data is blank corrected except for PCDD/F, Hi-res MS and CLP volatile analyses
- + 'MDL' = Method Detection Limit, '<' = Less than MDL, '---' = Not analyzed
- + Solids results are based on dry weight except Biota Analyses & Special Waste Oil & Grease
- + Organic analyses are not corrected for extraction recovery standards except for Isotope Dilution methods, (i.e. CARB 429 PAH, all PCDD/F and DBD/DBF analyses)
- + All Groundwater samples except BTEX/VOC's or Purgeable Hydrocarbons are decanted and/or filtered prior to analysis unless otherwise mandated by regulatory agency
- + This report shall not be reproduced except in full, without the written approval of the laboratory

Methods used by Philip are based upon those found in 'Standard Methods for the Examination of Water and Wastewater', 20th Edition, published by the American Public Health Association, or on US EPA protocols found in the 'Test Methods For Evaluating Solid Waste, Physical/Chemical Method, SW846', 3rd Edition. Other procedures are based on methodologies accepted by the appropriate regulatory agency. Methodology briefs are available by written request.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Liability for any and all use of these test results shall be limited to the actual cost of the pertinent analysis done. There is no other warranty expressed or implied. Your samples will be retained at Philip for a period of 30 days from receipt of data or as per contract.

PHILIP Project Manager: Maureen Brown



ANALYTICAL SERVICES

26-Oct-01
Page 2 of 31

ANALYTICAL REPORT

Client : PWGSC - ENVIRONMENTAL
Project : 19340-01 RADIO ISLANDPhilip ID : 31011562 31011563 31011564 31011565
Client ID : RI-01 RI-02 RI-03 RI-04

Sparcode	Parameter	Unit	MDL				
METALS TOTAL							
Al-TIR03	Aluminum	ug/g	10	--	--	---	4940
Sb-TIR03	Antimony	ug/g	2.0	---	---	---	< 2.0
As-TIR03	Arsenic	ug/g	0.7	---	---	---	6.7
Ba-TIR03	Barium	ug/g	0.2	---	---	---	39.4
Be-TIR03	Beryllium	ug/g	0.1	---	---	---	0.3
Bi-TIR03	Bismuth	ug/g	10	---	---	---	< 10
B--TIR03	Boron	ug/g	10	---	---	---	< 10
Cd-TIR03	Cadmium	ug/g	0.2	---	---	---	0.4
Ca-TIR03	Calcium	ug/g	20	---	---	---	1390
Cr-TIR03	Chromium	ug/g	0.2	---	---	---	22.5
Co-TIR03	Cobalt	ug/g	0.3	---	---	---	11.3
Cu-TIR03	Copper	ug/g	0.5	---	---	---	101
EX994288	Dry & Grind	date		---	---	---	01/09/10
Fe-TIR03	Iron	ug/g	10	---	---	---	32800
Pb-TIR03	Lead	ug/g	2.0	---	---	---	42.6
Li-TIR03	Lithium	ug/g	0.1	---	---	---	7.7
Mg-TIR03	Magnesium	ug/g	10	---	---	---	2490
Mn-TIR03	Manganese	ug/g	0.2	---	---	---	113
Hg-T200M	Mercury	ug/g	0.05	---	---	---	0.15
Mo-TIR03	Molybdenum	ug/g	0.4	---	---	---	3.3
Ni-TIR03	Nickel	ug/g	0.8	120	167	231	70.0
P--TIR03	Phosphorus Total (P)	ug/g	4.0	---	---	---	325
K--TIR03	Potassium	ug/g	20	---	---	---	1060
Se-TIR03	Selenium	ug/g	1.0	---	---	---	1.3
Ag-TIR03	Silver	ug/g	1.0	---	---	---	< 1.0
Na-TIR03	Sodium	ug/g	10	---	---	---	105
Sr-TIR03	Strontium	ug/g	0.1	---	---	---	7.8
S--TIR03	Sulphur	ug/g	20	---	---	---	490
Te-TIR03	Tellurium	ug/g	5.0	---	---	---	< 5.0
Tl-T200G	Thallium	ug/g	1.0	---	---	---	< 1.0
Sn-TIR03	Tin	ug/g	2.0	---	---	---	93.2
Ti-TIR03	Titanium	ug/g	0.3	---	---	---	330
U--TIR03	Uranium	ug/g	5.0	---	---	---	< 5.0
V--TIR03	Vanadium	ug/g	0.4	---	---	---	27.0
Zn-TIR03	Zinc	ug/g	0.5	---	---	---	179
Zr-TIR03	Zirconium	ug/g	0.5	---	---	---	< 0.5

Matrix : Soil Soil Soil Soil
Sampled on: 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00



ANALYTICAL SERVICES

26-Oct-01
Page 3 of 31

ANALYTICAL REPORT

Client : PWGSC - ENVIRONMENTAL
Project : 19340-01 RADIO ISLAND

Philip ID : 31011566 31011567 31011568 31011569
Client ID : RI-05 RI-06 RI-07 RI-08

Sparcode	Parameter	Unit	MDL				
METALS TOTAL							
Al-TIR03	Aluminum	ug/g	10	3800	9420	13600	3690
Sb-TIR03	Antimony	ug/g	2.0	< 2.0	< 2.0	< 2.0	< 2.0
As-TIR03	Arsenic	ug/g	0.7	2.9	4.5	< 0.7	3.6
Ba-TIR03	Barium	ug/g	0.2	48.9	147	58.2	31.8
Be-TIR03	Beryllium	ug/g	0.1	0.2	0.3	0.6	0.2
Bi-TIR03	Bismuth	ug/g	10	< 10	< 10	< 10	< 10
B--TIR03	Boron	ug/g	10	< 10	< 10	< 10	< 10
Cd-TIR03	Cadmium	ug/g	0.2	< 0.2	1.4	< 0.2	< 0.2
Ca-TIR03	Calcium	ug/g	20	133000	5990	3490	129000
Cr-TIR03	Chromium	ug/g	0.2	10.9	20.7	21.6	9.6
Co-TIR03	Cobalt	ug/g	0.3	7.4	87.6	60.5	8.7
Cu-TIR03	Copper	ug/g	0.5	18.8	112	253	27.2
EX994288	Dry & Grind	date		01/09/10	01/09/10	01/09/10	01/09/10
Fe-TIR03	Iron	ug/g	10	9600	26000	14600	8460
Pb-TIR03	Lead	ug/g	2.0	4.5	150	8.8	3.4
Li-TIR03	Lithium	ug/g	0.1	7.0	8.7	10.2	6.9
Mg-TIR03	Magnesium	ug/g	10	22900	3930	4860	20600
Mn-TIR03	Manganese	ug/g	0.2	336	1160	409	275
Hg-T200M	Mercury	ug/g	0.05	< 0.05	0.76	< 0.05	< 0.05
Mo-TIR03	Molybdenum	ug/g	0.4	< 0.4	2.3	0.5	< 0.4
Ni-TIR03	Nickel	ug/g	0.8	27.1	99.3	382	43.5
P--TIR03	Phosphorus Total (P)	ug/g	4.0	322	1040	466	324
K--TIR03	Potassium	ug/g	20	946	1560	1360	890
Se-TIR03	Selenium	ug/g	1.0	< 1.0	6.2	1.0	< 1.0
Ag-TIR03	Silver	ug/g	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Na-TIR03	Sodium	ug/g	10	140	288	255	135
Sr-TIR03	Strontium	ug/g	0.1	105	30.6	14.1	114
S--TIR03	Sulphur	ug/g	20	200	1900	363	230
Te-TIR03	Tellurium	ug/g	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tl-T200G	Thallium	ug/g	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sn-TIR03	Tin	ug/g	2.0	< 2.0	6.1	< 2.0	< 2.0
Ti-TIR03	Titanium	ug/g	0.3	181	309	389	159
U--TIR03	Uranium	ug/g	5.0	< 5.0	< 5.0	< 5.0	< 5.0
V--TIR03	Vanadium	ug/g	0.4	16.6	33.7	27.6	15.1
Zn-TIR03	Zinc	ug/g	0.5	26.1	447	76.8	23.9
Zr-TIR03	Zirconium	ug/g	0.5	1.0	< 0.5	< 0.5	0.8

Matrix : Soil Soil Soil Soil
Sampled on: 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00



ANALYTICAL SERVICES

26-Oct-01
Page 4 of 31

ANALYTICAL REPORT

Client : PWGSC - ENVIRONMENTAL
Project : 19340-01 RADIO ISLAND

Philip ID : 31011570 31011571 31011572 31011573
Client ID : RI-09 RI-10 RI-11 RI-12

Sparcode	Parameter	Unit	MDL				
METALS TOTAL							
Al-TIR03	Aluminum	ug/g	10	31900	4240	3240	5480
Sb-TIR03	Antimony	ug/g	2.0	3.2	11.1	9.7	< 2.0
As-TIR03	Arsenic	ug/g	0.7	< 0.7	7.5	3.5	2.6
Ba-TIR03	Barium	ug/g	0.2	120	215	110	168
Be-TIR03	Beryllium	ug/g	0.1	1.5	0.2	0.2	0.3
Bi-TIR03	Bismuth	ug/g	10	< 10	< 10	< 10	< 10
B--TIR03	Boron	ug/g	10	13	< 10	14	< 10
Cd-TIR03	Cadmium	ug/g	0.2	1.5	8.6	11.1	1.0
Ca-TIR03	Calcium	ug/g	20	3890	6130	9010	2580
Cr-TIR03	Chromium	ug/g	0.2	28.2	9.6	14.1	20.1
Co-TIR03	Cobalt	ug/g	0.3	107	44.7	73.1	19.2
Cu-TIR03	Copper	ug/g	0.5	685	280	335	177
EX994288	Dry & Grind	date		01/09/10	01/09/10	01/09/10	01/09/10
Fe-TIR03	Iron	ug/g	10	17700	14200	12600	11900
Pb-TIR03	Lead	ug/g	2.0	1120	4030	2110	527
Li-TIR03	Lithium	ug/g	0.1	12.4	2.0	2.9	6.0
Mg-TIR03	Magnesium	ug/g	10	4310	1350	2250	3760
Mn-TIR03	Manganese	ug/g	0.2	317	568	907	235
Hg-T200M	Mercury	ug/g	0.05	2.59	10.3	3.72	0.42
Mo-TIR03	Molybdenum	ug/g	0.4	1.5	4.5	3.9	0.9
Ni-TIR03	Nickel	ug/g	0.8	801	120	206	28.2
P--TIR03	Phosphorus Total (P)	ug/g	4.0	792	1310	881	389
K--TIR03	Potassium	ug/g	20	1770	505	861	1610
Se-TIR03	Selenium	ug/g	1.0	4.2	7.6	6.9	2.7
Ag-TIR03	Silver	ug/g	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Na-TIR03	Sodium	ug/g	10	268	234	264	234
Sr-TIR03	Strontium	ug/g	0.1	28.7	35.3	53.3	20.3
S--TIR03	Sulphur	ug/g	20	1610	3210	2120	697
Te-TIR03	Tellurium	ug/g	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tl-T200G	Thallium	ug/g	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sn-TIR03	Tin	ug/g	2.0	5.9	9.3	6.7	7.7
Ti-TIR03	Titanium	ug/g	0.3	533	79.4	114	540
U--TIR03	Uranium	ug/g	5.0	< 5.0	< 5.0	< 5.0	< 5.0
V--TIR03	Vanadium	ug/g	0.4	32.5	24.1	17.5	26.4
Zn-TIR03	Zinc	ug/g	0.5	478	1270	1450	316
Zr-TIR03	Zirconium	ug/g	0.5	0.7	< 0.5	< 0.5	< 0.5

Matrix : Soil Soil Soil Soil
Sampled on: 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00



ANALYTICAL SERVICES

26-Oct-01
Page 5 of 31

ANALYTICAL REPORT

Client : PWGSC - ENVIRONMENTAL
Project : 19340-01 RADIO ISLAND

Philip ID : 31011574 31011575 31011576 31011577
Client ID : RI-13 RI-14 RI-15 RI-16

Sparcode	Parameter	Unit	MDL				
PHYSICAL							
00250760	Moisture	%(W/W)	0.3	---	---	26.7	17.2
METALS TOTAL							
Al-TIR03	Aluminum	ug/g	10	3100	5070	6370	3770
Sb-TIR03	Antimony	ug/g	2.0	254	56.6	148	3.7
As-TIR03	Arsenic	ug/g	0.7	4.9	6.5	8.1	5.2
Ba-TIR03	Barium	ug/g	0.2	85.4	244	381	1120
Be-TIR03	Beryllium	ug/g	0.1	0.1	0.3	0.4	0.5
Bi-TIR03	Bismuth	ug/g	10	< 10	< 10	< 10	< 10
B--TIR03	Boron	ug/g	10	< 10	14	< 10	< 10
Cd-TIR03	Cadmium	ug/g	0.2	0.2	115	7.2	1.2
Ca-TIR03	Calcium	ug/g	20	1010	8190	8050	11300
Cr-TIR03	Chromium	ug/g	0.2	15.0	11.4	8.1	8.0
Co-TIR03	Cobalt	ug/g	0.3	4.1	116	6.0	4.6
Cu-TIR03	Copper	ug/g	0.5	57.6	623	141	148
EX994288	Dry & Grind	date		01/09/10	01/09/10	01/09/10	01/09/10
Fe-TIR03	Iron	ug/g	10	7020	4170	13400	15600
Pb-TIR03	Lead	ug/g	2.0	115000	21200	14000	2880
Li-TIR03	Lithium	ug/g	0.1	2.9	2.6	8.8	8.1
Mg-TIR03	Magnesium	ug/g	10	1400	1450	1060	2550
Mn-TIR03	Manganese	ug/g	0.2	174	107	3100	570
Hg-T200M	Mercury	ug/g	0.05	0.42	13.8	4.72	31.0
Mo-TIR03	Molybdenum	ug/g	0.4	1.3	4.4	3.5	1.0
Ni-TIR03	Nickel	ug/g	0.8	21.4	115	14.4	15.5
P--TIR03	Phosphorus Total (P)	ug/g	4.0	496	1060	817	949
K--TIR03	Potassium	ug/g	20	830	554	454	511
Se-TIR03	Selenium	ug/g	1.0	2.0	9.6	2.4	< 1.0
Ag-TIR03	Silver	ug/g	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Na-TIR03	Sodium	ug/g	10	216	305	250	201
Sr-TIR03	Strontium	ug/g	0.1	16.9	52.2	147	119
S--TIR03	Sulphur	ug/g	20	15200	13700	810	753
Te-TIR03	Tellurium	ug/g	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tl-T200G	Thallium	ug/g	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sn-TIR03	Tin	ug/g	2.0	38.4	22.8	44.3	102
Ti-TIR03	Titanium	ug/g	0.3	357	109	152	232
U--TIR03	Uranium	ug/g	5.0	< 5.0	< 5.0	< 5.0	< 5.0
V--TIR03	Vanadium	ug/g	0.4	18.1	51.4	27.2	15.8

Matrix : Soil
Sampled on: 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00

CONTINUED on page 6



ANALYTICAL SERVICES

26-Oct-01

Page 6 of 31

ANALYTICAL REPORT

Client : PWGSC - ENVIRONMENTAL
Project : 19340-01 RADIO ISLAND

Philip ID : 31011574 31011575 31011576 31011577
Client ID : RI-13 RI-14 RI-15 RI-16

Sparcode	Parameter	Unit	MDL				
Zn-TIR03	Zinc	ug/g	0.5	36.7	19500	1720	3980
Zr-TIR03	Zirconium	ug/g	0.5	< 0.5	< 0.5	< 0.5	< 0.5
HYDROCARBONS							
EX995149	PHC EXT F2 - 4	date		---	---	01/09/17	01/09/17
EX995170	Volat. Soil Extract.	date		---	---	01/09/08	01/09/08
PHC1PHCV	CCME PHC F1 C6-10	ug/g	10	---	---	< 10	< 10
HCl-CALC	CCME PHC FI-BTEX	ug/g		---	-	< 10	< 10
PHC2PHCS	CCME PHC F2 C10-16	ug/g	10	---	-	< 10	4100
PHC3PHCS	CCME PHC F3 C16-34	ug/g	10	---	-	3500	30000
PHC4PHCS	CCME PHC F4 C34-50+	ug/g	10	---	---	3500	15000
BASEPHCS	PHC F2-4 BASELINE 0	Y/N	Yes	---	-	No	No
GHH--TOT	PHC GHH	ug/g	100	---	---	19000	74000
GHS-MIN	PHC GHH SILICAGEL	ug/g	100	---	---	11000	56000
VOLATILE ORGANICS							
B020PT12	Benzene	ug/g	0.04	---	---	< 0.04	< 0.04
T001PT12	Toluene	ug/g	0.10	---	---	< 0.10	0.15
B021PT12	Ethylbenzene	ug/g	0.10	---	---	< 0.10	< 0.10
X003PT12	m+p - Xylene	ug/g	0.10	---	---	< 0.10	0.59
X002PT12	o - Xylene	ug/g	0.10	---	---	< 0.10	0.20
SURROGATE RECOVERY							
VS01PT12	Bromofluorobenzene	%	0	---	---	97	98
VS03PT12	d8-Toluene	%	0	---	---	100	99
Ed10PT12	Ethylbenzene-d10	%	60	---	---	65	73

Matrix : Soil Soil Soil Soil
Sampled on: 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00



ANALYTICAL SERVICES

26-Oct-01
Page 7 of 31

ANALYTICAL REPORT

Client : PWGSC - ENVIRONMENTAL
Project : 19340-01 RADIO ISLAND

Philip ID : 31011578 31011579 31011580 31011581
Client ID : RI-17 RI-18 RI-19 RI-20

Sparcode	Parameter	Unit	MDL				
PHYSICAL							
00250760	Moisture	%(W/W)	0.3	10.6	16.7	30.8	---
METALS TOTAL							
Al-TIR03	Aluminum	ug/g	10	3700	7890	7700	5030
Sb-TIR03	Antimony	ug/g	2.0	4.0	10.2	< 2.0	< 2.0
As-TIR03	Arsenic	ug/g	0.7	2.8	0.8	1.7	3.6 (1)
Ba-TIR03	Barium	ug/g	0.2	679	138	175	37.9
Be-TIR03	Beryllium	ug/g	0.1	0.2	0.3	0.3	0.3
Bi-TIR03	Bismuth	ug/g	10	< 10	< 10	< 10	< 10
B-TIR03	Boron	ug/g	10	< 10	< 10	< 10	< 10
Cd-TIR03	Cadmium	ug/g	0.2	4.4	0.9	1.7	< 0.2
Ca-TIR03	Calcium	ug/g	20	3380	2380	2700	91000
Cr-TIR03	Chromium	ug/g	0.2	21.5	27.3	27.1	14.2
Co-TIR03	Cobalt	ug/g	0.3	4.6	9.1	21.0	13.8
Cu-TIR03	Copper	ug/g	0.5	407	48.4	71.5	28.6
EX994288	Dry & Grind	date		01/09/10	01/09/10	01/09/10	01/09/10
Fe-TIR03	Iron	ug/g	10	10900	12600	9570	11900
Pb-TIR03	Lead	ug/g	2.0	2220	793	196	7.0
Li-TIR03	Lithium	ug/g	0.1	6.3	12.9	12.2	8.7
Mg-TIR03	Magnesium	ug/g	10	2340	4600	4910	20700
Mn-TIR03	Manganese	ug/g	0.2	407	90.8	34.3	390
Hg-T200M	Mercury	ug/g	0.05	14.1	0.72	1.70	< 0.05
Mo-TIR03	Molybdenum	ug/g	0.4	0.5	0.6	1.2	< 0.4
Ni-TIR03	Nickel	ug/g	0.8	22.6	30.4	37.7	66.5
P-TIR03	Phosphorus Total (P)	ug/g	4.0	643	342	379	422
K-TIR03	Potassium	ug/g	20	684	1670	1910	1050
Se-TIR03	Selenium	ug/g	1.0	< 1.0	< 1.0	1.2	< 1.0
Ag-TIR03	Silver	ug/g	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Na-TIR03	Sodium	ug/g	10	220	307	315	148
Sr-TIR03	Strontium	ug/g	0.1	31.8	15.6	20.8	83.0
S-TIR03	Sulphur	ug/g	20	871	294	1440	226
Te-TIR03	Tellurium	ug/g	5.0	< 5.0	< 5.0	< 5.0	< 5.0
Tl-T200G	Thallium	ug/g	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Sn-TIR03	Tin	ug/g	2.0	43.0	2.6	2.1	< 2.0
Ti-TIR03	Titanium	ug/g	0.3	379	710	687	240
U-TIR03	Uranium	ug/g	5.0	< 5.0	< 5.0	< 5.0	< 5.0
V-TIR03	Vanadium	ug/g	0.4	13.5	34.9	34.6	21.8

Matrix : Soil
Sampled on: 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00

CONTINUED on page 8



ANALYTICAL SERVICES

26-Oct-01
Page 8 of 31

ANALYTICAL REPORT

Client : PWGSC - ENVIRONMENTAL
Project : 19340-01 RADIO ISLANDPhilip ID : 31011578 31011579 31011580 31011581
Client ID : RI-17 RI-18 RI-19 RI-20

Sparcode	Parameter	Unit	MDL				
Zn-TIR03	Zinc	ug/g	0.5	1240	584	733	46.9
Zr-TIR03	Zirconium	ug/g	0.5	< 0.5	< 0.5	< 0.5	1.3
HYDROCARBONS							
EX995149	PHC EXT F2 - 4	date		01/09/17	01/09/17	01/09/17	---
EX995170	Volat. Soil Extract.	date		01/09/08	01/09/08	01/09/08	---
PHC1PHCV	CCME PHC F1 C6-10	ug/g	10	< 10	< 10	50	---
HC1-CALC	CCME PHC F1-BTEX	ug/g		< 10	< 10	50	---
PHC2PHCS	CCME PHC F2 C10-16	ug/g	10	3800	34	29000	---
PHC3PHCS	CCME PHC F3 C16-34	ug/g	10	10000	590	20000	---
PHC4PHCS	CCME PHC F4 C34-50+	ug/g	10	1700	120	1300	---
BASEPHCS	PHC F2-4 BASELINE 0	Y/N	Yes	Yes	Yes	Yes	---
VOLATILE ORGANICS							
B020PT12	Benzene	ug/g	0.04	< 0.04	< 0.04	< 0.04	---
T001PT12	Toluene	ug/g	0.10	< 0.10	< 0.10	< 0.10	---
B021PT12	Ethylbenzene	ug/g	0.10	< 0.10	< 0.10	< 0.10	---
X003PT12	m+p - Xylene	ug/g	0.10	< 0.10	< 0.10	< 0.10	---
X002PT12	o - Xylene	ug/g	0.10	< 0.10	< 0.10	< 0.10	---
SURROGATE RECOVERY							
VS01PT12	Bromofluorobenzene	%	0	95	96	103	---
VS03PT12	d8-Toluene	%	0	102	98	100	---
Ed10PT12	Ethylbenzene-d10	%	60	84	73	67	---

Matrix : Soil Soil Soil Soil
Sampled on: 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00 01/09/03 16:00

Result comments and/or text results :

(1) DUPLICATES DO NOT MATCH FOR ARSENIC DUE TO NON-HOMOGENEOUS SAMPLE



ANALYTICAL SERVICES

26-Oct-01
Page 9 of 31

ANALYTICAL REPORT

Client : PWGSC - ENVIRONMENTAL
Project : 19340-01 RADIO ISLANDPhilip ID : 31011582 31011583 31011584 31011585
Client ID : RI-21 RI-22 RI-23 RI-24

Sparcode	Parameter	Unit	MDL				
METALS TOTAL							
Al-TIR03	Aluminum	ug/g	10	1430	752	---	---
Sb-TIR03	Antimony	ug/g	2.0	< 2.0	< 2.0	---	---
As-TIR03	Arsenic	ug/g	0.7	10.8	7.2	---	---
Ba-TIR03	Barium	ug/g	0.2	41.1	251	---	---
Be-TIR03	Beryllium	ug/g	0.1	0.2	< 0.1	---	---
Bi-TIR03	Bismuth	ug/g	10	< 10	< 10	---	---
B--TIR03	Boron	ug/g	10	< 10	< 10	---	---
Cd-TIR03	Cadmium	ug/g	0.2	14.4	6.7	---	---
Ca-TIR03	Calcium	ug/g	20	5680	4340	---	---
Cr-TIR03	Chromium	ug/g	0.2	3.2	25.5	---	---
Co-TIR03	Cobalt	ug/g	0.3	29.0	188	---	---
Cu-TIR03	Copper	ug/g	0.5	71.4	70.8	---	---
EX994288	Dry & Grind	date		01/09/10	01/09/10	---	---
Fe-TIR03	Iron	ug/g	10	9690	65200	---	---
Pb-TIR03	Lead	ug/g	2.0	174	458	184	31.4
Li-TIR03	Lithium	ug/g	0.1	0.7	0.6	---	---
Mg-TIR03	Magnesium	ug/g	10	592	908	---	---
Mn-TIR03	Manganese	ug/g	0.2	99.9	5020	---	---
Hg-T200M	Mercury	ug/g	0.05	0.72	2.12	---	---
Mo-TIR03	Molybdenum	ug/g	0.4	10.1	8.3	---	---
Ni-TIR03	Nickel	ug/g	0.8	87.6	110	---	---
P--TIR03	Phosphorus Total (P)	ug/g	4.0	918	3640	---	---
K--TIR03	Potassium	ug/g	20	110	130	---	---
Se-TIR03	Selenium	ug/g	1.0	7.6	6.6	---	---
Ag-TIR03	Silver	ug/g	1.0	< 1.0	< 1.0	---	---
Na-TIR03	Sodium	ug/g	10	153	222	---	---
Sr-TIR03	Strontium	ug/g	0.1	24.6	23.3	---	---
S--TIR03	Sulphur	ug/g	20	5230	3490	---	---
Te-TIR03	Tellurium	ug/g	5.0	< 5.0	< 5.0	---	---
Tl-T200G	Thallium	ug/g	1.0	< 1.0	< 1.0	---	---
Sn-TIR03	Tin	ug/g	2.0	54.9	24.5	---	---
Ti-TIR03	Titanium	ug/g	0.3	22.7	15.8	---	---
U--TIR03	Uranium	ug/g	5.0	< 5.0	< 5.0	---	---
V--TIR03	Vanadium	ug/g	0.4	25.5	4.1	---	---
Zn-TIR03	Zinc	ug/g	0.5	3580	1670	---	---
Zr-TIR03	Zirconium	ug/g	0.5	< 0.5	< 0.5	---	---

Matrix : Soil Soil Soil Soil
Sampled on: 01/09/03 16:00 01/09/03 16:00 01/09/04 16:00 01/09/04 16:00



ANALYTICAL SERVICES

26-Oct-01
Page 10 of 31

ANALYTICAL REPORT

Client : PWGSC - ENVIRONMENTAL
Project : 19340-01 RADIO ISLAND

Philip ID : 31011586 31011587 31011588 31011589
Client ID : RI-25 RI-26 RI-27 RI-28

Sparcode	Parameter	Unit	MDL				
STRGDONE	Storage Charge	Y/N	Yes	..	---	Yes	
PHYSICAL							
00250760	Moisture	%(W/W)	0.3	..	---	17.5	
METALS TOTAL							
Al-TIR03	Aluminum	ug/g	10	6600	6520	5210	---
Sb-TIR03	Antimony	ug/g	2.0	< 2.0	< 2.0	< 2.0	---
As-TIR03	Arsenic	ug/g	0.7	2.9	3.9	2.0	---
Ba-TIR03	Barium	ug/g	0.2	43.2	79.0	117	---
Be-TIR03	Beryllium	ug/g	0.1	0.4	0.5	0.7	---
Bi-TIR03	Bismuth	ug/g	10	< 10	< 10	< 10	---
B-TIR03	Boron	ug/g	10	< 10	< 10	< 10	---
Cd-TIR03	Cadmium	ug/g	0.2	0.6	4.5	3.8	---
Ca-TIR03	Calcium	ug/g	20	8160	9770	4700	---
Cr-TIR03	Chromium	ug/g	0.2	25.7	19.4	13.6	---
Co-TIR03	Cobalt	ug/g	0.3	11.2	8.3	5.8	---
Cu-TIR03	Copper	ug/g	0.5	34.4	73.3	53.1	---
EX994288	Dry & Grind	date		01/09/10	01/09/10	01/09/10	---
Fe-TIR03	Iron	ug/g	10	14900	17400	8460	---
Pb-TIR03	Lead	ug/g	2.0	79.1	207	168	---
Li-TIR03	Lithium	ug/g	0.1	8.3	8.2	7.9	---
Mg-TIR03	Magnesium	ug/g	10	6080	3000	1770	---
Mn-TIR03	Manganese	ug/g	0.2	533	177	124	---
Hg-T200M	Mercury	ug/g	0.05	0.35	0.96	1.83	---
Mo-TIR03	Molybdenum	ug/g	0.4	0.5	< 0.4	1.0	---
Ni-TIR03	Nickel	ug/g	0.8	52.4	47.8	22.3	---
P-TIR03	Phosphorus Total (P)	ug/g	4.0	674	2740	1050	---
K-TIR03	Potassium	ug/g	20	991	759	561	---
Se-TIR03	Selenium	ug/g	1.0	1.5	3.9	2.1	---
Ag-TIR03	Silver	ug/g	1.0	< 1.0	< 1.0	< 1.0	---
Na-TIR03	Sodium	ug/g	10	171	215	242	---
Sr-TIR03	Strontium	ug/g	0.1	16.2	46.3	79.5	---
S-TIR03	Sulphur	ug/g	20	580	1390	577	---
Te-TIR03	Tellurium	ug/g	5.0	< 5.0	< 5.0	< 5.0	---
Tl-T200G	Thallium	ug/g	1.0	< 1.0	< 1.0	< 1.0	---
Sn-TIR03	Tin	ug/g	2.0	7.3	17.4	14.7	---
Ti-TIR03	Titanium	ug/g	0.3	235	172	131	---
U-TIR03	Uranium	ug/g	5.0	< 5.0	< 5.0	< 5.0	---

Matrix : Soil
Sampled on: 01/09/04 16:00 01/09/04 16:00 01/09/04 16:00 01/09/04 16:00

CONTINUED on page 11