We are committed to providing accessible customer service.
If you need accessible formats or communications supports, please contact us.

Nous tenons à améliorer l’accessibilité des services à la clientèle.
Si vous avez besoin de formats accessibles ou d’aide à la communication, veuillez nous contacter.

Rio Tinto Exploration Canada Inc.

2012 Drilling

Assessment Report

For the

RTEC Sunday Lake

Project

NTS sheet 052A11

Thunder Bay Mining Division, Ontario

-Prepared By-
Rio Tinto Exploration Canada Inc.
354-200 Granville Street
Vancouver, British Columbia, Canada V6C 1S4
Phone: (604) 696-3414
Fax: (604) 696-3401

-Author-
John Storie

-Date of report-
July 26, 2012

Contents

Summary

One diamond drill hole was drilled by Rio Tinto Exploration Canada Inc. in January of 2012. The hole was targeting the northern extent of the Sunday Lake Intrusion, and the associated magnetic anomaly, for copper/nickel/PGE sulphide potential. The hole intercepted 82.81m of mafic intrusive, which contained disseminated pyrite throughout most of the intrusive section from trace to 1%, and pyrite and chalcopyrite up to 5% in the bottom 2m of the intrusion.

Introduction

Project Description

Rio Tinto Exploration Canada Inc. ("RTEC") has been exploring the areas surrounding the Midcontinent Rift large igneous province since 2000, culminating in the discovery and recent permitting of the Eagle Ni-Cu deposit in Michigan.

The Sunday Lake intrusion and associated magnetic anomaly have been known about for some time. A few historic bore holes have been drilled on the intrusion, most recently by Canstar Resources Inc. and Magma Metals Ltd. RTEC currently holds claims that cover much of the Sunday Lake magnetic anomaly.

Location and Access

The Sunday Lake property is located approximately 25km north of the city of Thunder Bay, Ontario. The property can be reached by travelling northwest on Red River Road, turning north on Dog Lake Road and travelling 21km to the junction of Howcum Lake Road, then turning northeast on Sunday Lake Road and travelling to the end of the road to a trail that leads to the work area (Fig. 1).

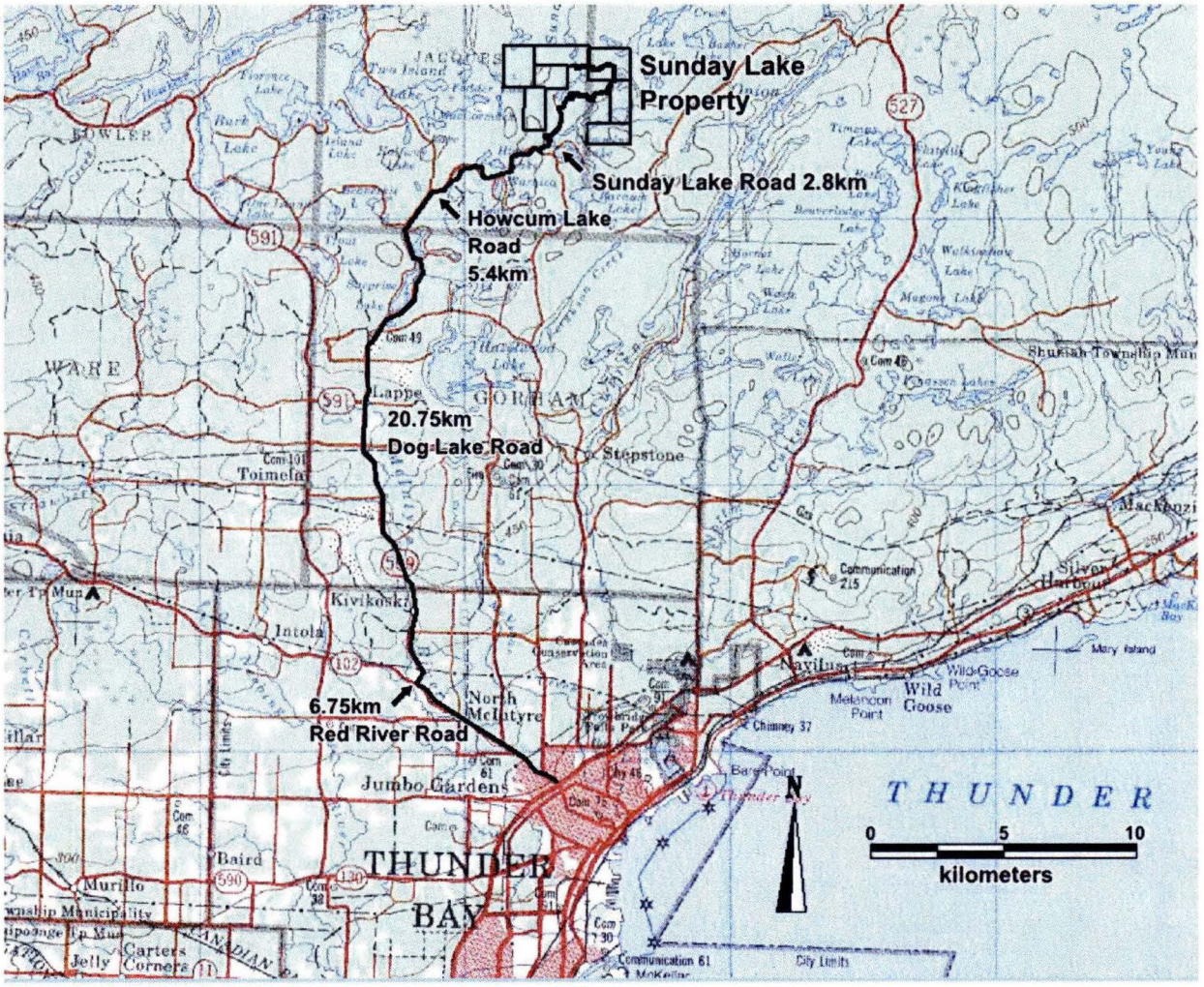


Figure 1: Location and access of the Sunday Lake

Property Status

The project area is comprised of 8 claim blocks, consisting of 66 claim units, and totaling 1019.1ha located within the Onion Lake Map Area – NTS sheet 052A11 (Fig. 2). A detailed breakdown of claims information is in Table 1 below. There is no surface-right holder on any of the claims.

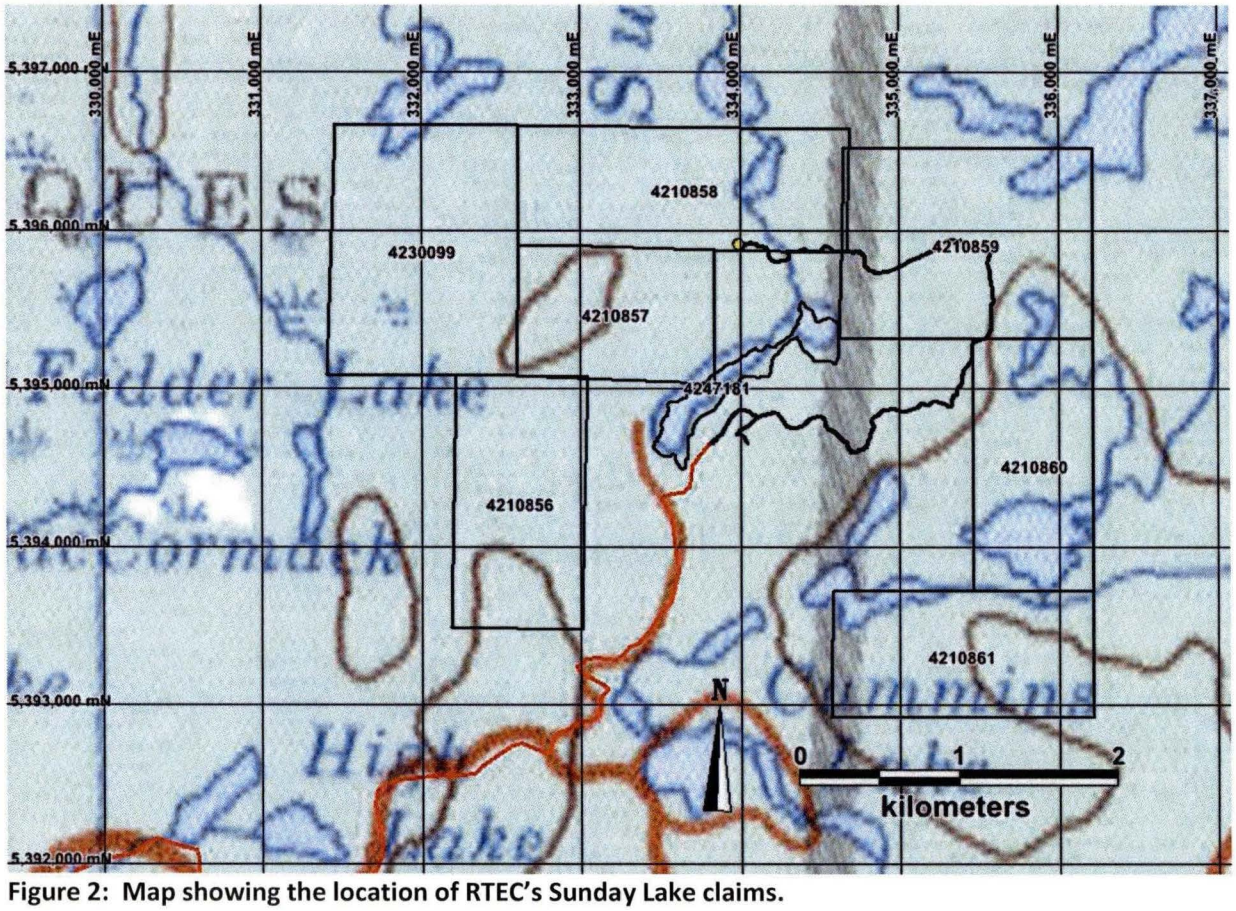


Figure 2: Map showing the location of RTEC's Sunday Lake claims.

Claim Number	Township/Area	Recorded Holeder	Due Date	Claim Units
4230099	JAQUES (G-0666)	RIO TINTO EXPLORATION CANADA INC. (100.00 %)	2013-FEB-21	12
4247181	JAQUES (G-0666)	RIO TINTO EXPLORATION CANADA INC. (100.00 %)	2012-OCT-18	2
4210856	JAQUES (G-0666)	RIO TINTO EXPLORATION CANADA INC. (100.00 %)	2012-AUG-18	8
4210857	JAQUES (G-0666)	RIO TINTO EXPLORATION CANADA INC. (100.00 %)	2012-AUG-18	6
4210858	JAQUES (G-0666)	RIO TINTO EXPLORATION CANADA INC. (100.00 %)	2012-AUG-18	10
4210859	ONION LAKE AREA (G-0747)	RIO TINTO EXPLORATION CANADA INC. (100.00 %)	2012-AUG-18	12
4210860	ONION LAKE AREA (G-0747)	RIO TINTO EXPLORATION CANADA INC. (100.00 %)	2012-AUG-18	8
4210861	ONION LAKE AREA (G-0747)	RIO TINTO EXPLORATION CANADA INC. (100.00 %)	2012-AUG-18	8

Table 1: Claim distribution on the Sunday Lake Property.

Previous Work

The Sunday Lake magnetic anomaly forms a prominent circular feature within the OGS Shebandowan airborne total field magnetic survey area (OGS Map 81567). The bedrock geology of the Sunday Lake area has been summarized on a regional compilation map by Pye and Fenwick (1965). The Quaternary geology of the area was described by Burwasser.

Canstar Resources Inc. reported in a press release, that they had completed two drill holes totaling 484m in 2007 to test the Sunday Lake magnetic anomaly. The holes reportedly intersected "intense zones of oxidized and epidotized meta-sediments" but no obvious source for the magnetic anomaly.

Magma Metals drilled one diamond drill hole to a depth of 738m from late November to mid December 2008. The target was based on airborne geophysical surveys that indicated a strong reversely polarized magnetic anomaly within a larger positive magnetic anomaly. The drill hole is located on a patented mining claim owned by Pete DeRozea, Parcel 6056.

Rio Tinto Exploration Canada Inc. (Kennecott) flew a high-resolution airborne EM and total field magnetic survey over portions of the Sunday lake magnetic anomaly in 2008. Results from this work were reported in an assessment report dated November 16, 2008.

Rio Tinto Exploration Canada Inc. conducted a gravity survey in September of 2010. Results were reported in an assessment report dated November 2, 2010.

Regional Geology

Rio Tinto Exploration has completed a geologic mapping program of the cut lines on the Sunday Lake property in September of 2010. One outcrop of gabbro was found, and the remainder of the property consists of granite and metasediments of the Archean age Quetico Subprovince. Percival and Williams (1989) suggests that the Quetico belt represents an accretionary prism of sediments between the Wawa, terrane and the Wabigoon, terrane.

Diamond Drilling

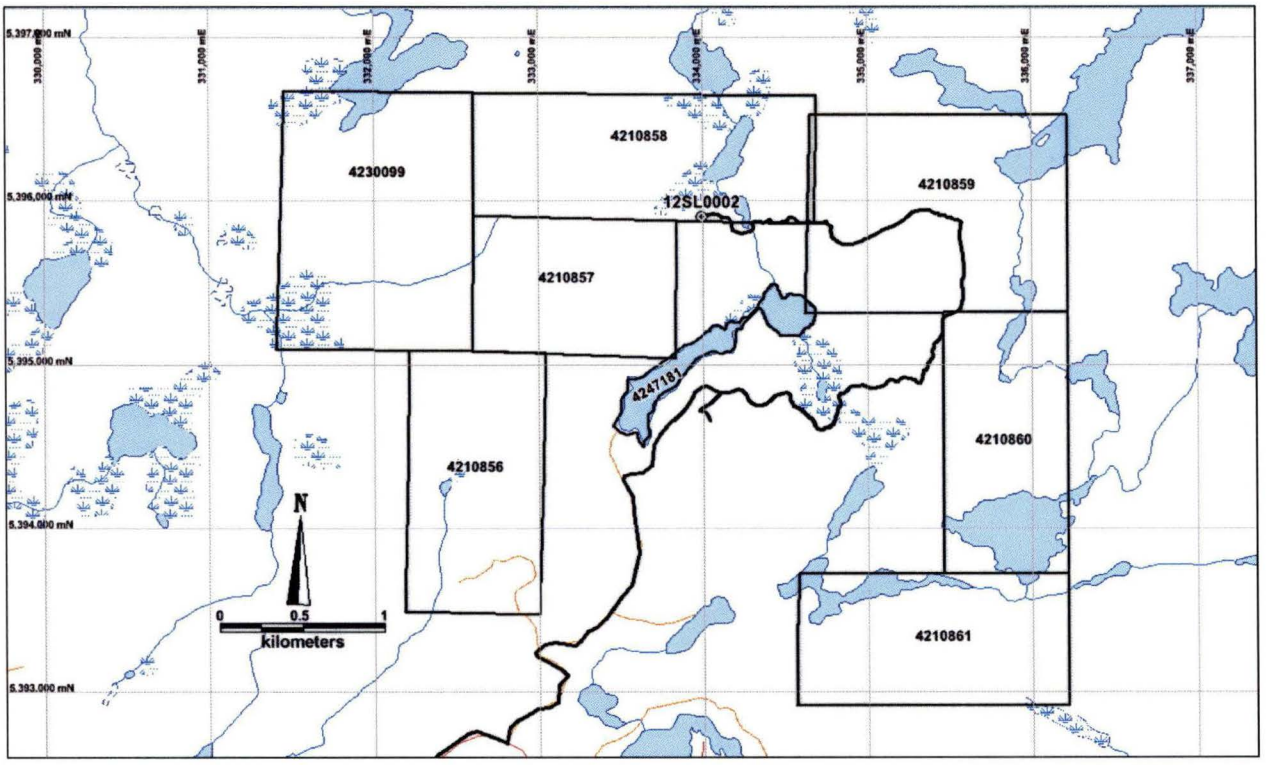


Figure 3: Location of 12SL0002 within the RTEC

In January of 2012 Rio Tinto Canada Exploration Inc. drilled one diamond core-hole on the Sunday Lake Property. Drillhole 12SL0002 intersected minor Cu-Ni-PGE mineralization in a mafic to ultramafic intrusive host rock, with best mineralized interval:

3.65m @1.015 g/t Pt+Pd+Au, 0.22% Cu from 141.84 m

***Including* 1.05m @ 1.674 g/t Pt+Pd+Au, 0.36% Cu from 142.9 m**

The single vertical hole was drilled to 1) test a small magnetic anomaly on the northern edge of the larger circular magnetic anomaly, 2) to help understand the geometry and layering sequence of the Sunday Lake intrusion and 3) explore the potential for Cu-Ni-PGE sulphide mineralization.

Hole 12SL0002 (see Figures 4 and 5) drilled through 6m of glacial overburden before collaring into Archean age meta-sediments. The hole intercepted mafic - ultramafic intrusive from 61.14 m to 143.95 m. Archean age granodiorite was drilled from 143.95 m to the end of the hole at 204m. The top 9 m of mafic intrusive consists of pervasively hematised gabbro. The pervasive hematisation grades out over a 2 m interval. The intrusive sequence becomes more mafic with depth and grades into a weakly serpentinised olivine gabbro at the end of the mafic intrusive sequence. Disseminated pyrite is present throughout the mafic intrusive sequence, with the greatest concentration of sulphides, pyrite and chalcopyrite +/- pyrrhotite, in the bottom few meters of the sequence. The entire drill hole was sampled and assayed for whole-rock geochemistry.

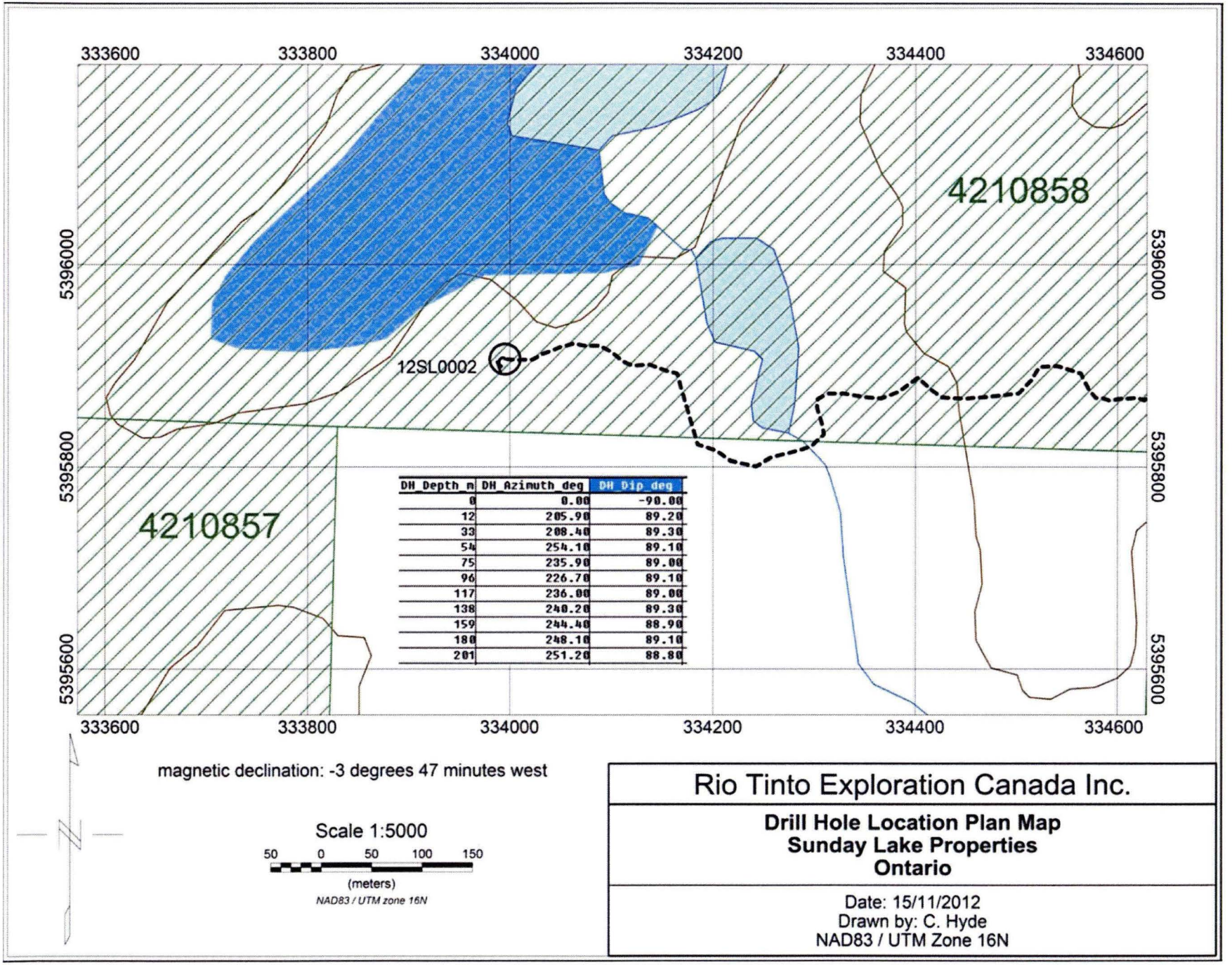
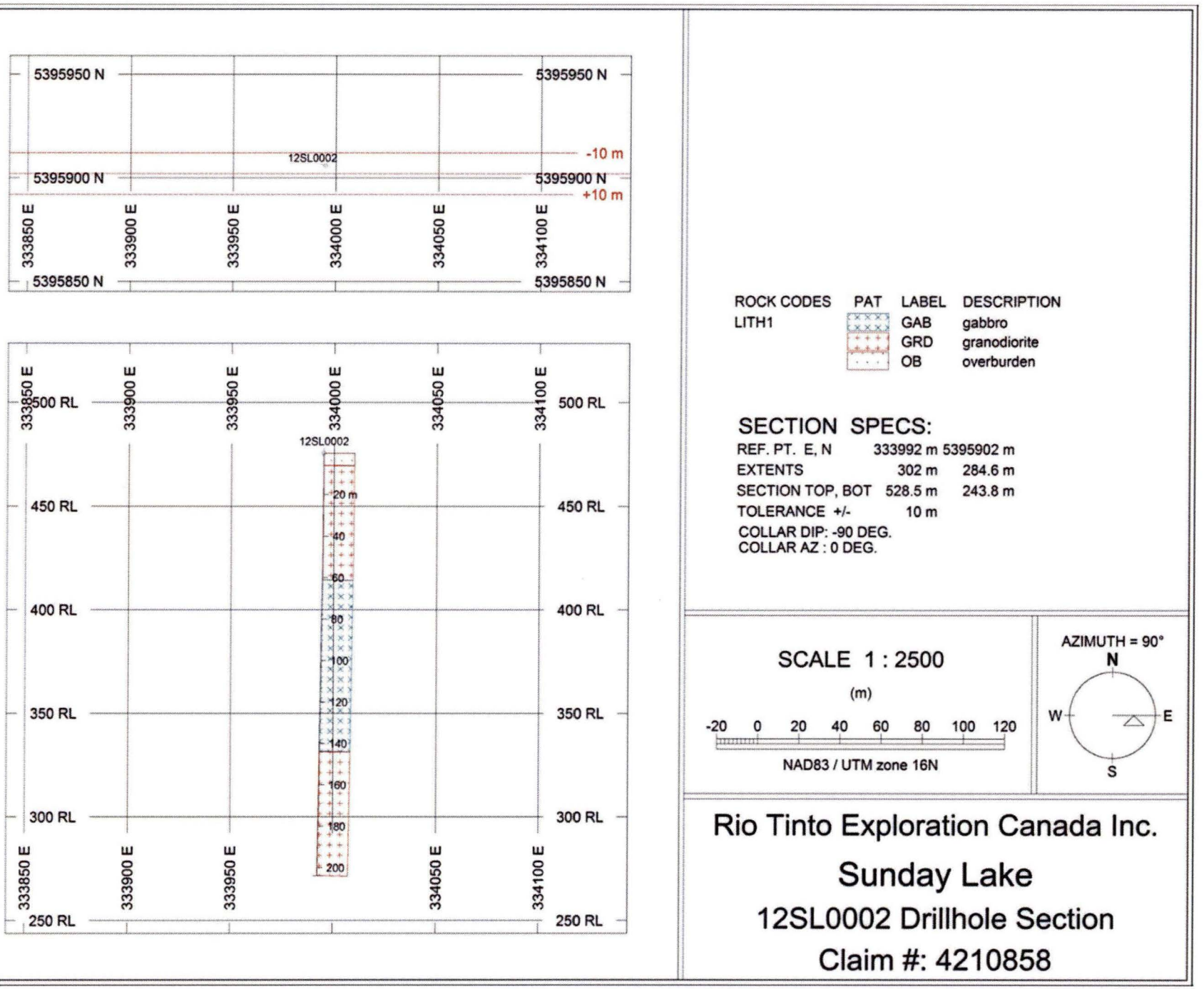


Figure 4: Detailed Map showing location of Drillhole 12SL0002 with respect to Rio Tinto Claims.

Figure 5: Drillhole 12SL0002 cross-section



Recommended Work

Additional drilling is planned to further explore the Sunday Lake intrusion to assess the potential for, and extent of, Cu-Ni-PGE mineralization that may exist within the intrusion. Surface and down hole geophysical surveys may be used to help outline the extent of the intrusion and identify any potential anomalies caused by sulphide mineralization present in the intrusion.

Drill Log

Table 2: Drill Collar Information

HOLE ID	**12SL0002**
CLAIM_No	4210858
PROJECT	Sunday Lake
TWP/AREA	Onion Lake
DH_Datum	NAD83
DH_Projection	UTM zone 16N
EASTING	333995
NORTHING	5395906
RL	475.5
Date_Surveyed	17-Jan-12
Surveyed_Method	Handheld_GPS
Depth	204

AZIMUTH	0
DIP	-90
STARTDATE	17-Jan-12
ENDDATE	22-Jan-12
CoreSize	NQ
CasingSize	HQ
CasingDepth	6m
Depth_Bedrock	6m
Geologist	John Storie
Hole_Type	Diamond
Drill_Company	Downing Drilling

Table 3: Lithological Log for 12SL0002

From	*To*	*Lithology*	*Colour*	*Modifier*	*Geology Comments*
0	6	Overburden	Brown		Casing set @ 6m - no recovery.
6	22.08	Granodiorite	Grey	Pegmatitic	Coarse grained-pegmatitic garnet biotite granodiorite. Light grey-green; salt&pepper. Equigranular. Plag 65% Ksp 5-15% (in pegmatitic zones); Bt 5-7%; minor py on fracs. Peg are decimeter-meter size with cm-dm scale grains.Graphite?@19m in 2cm qtz vein.
22.08	52	Granodiorite	Grey		Med-cg-peg locally; grt-bt-granodiorite. Lt grey-pink w/ hem alt weak loc; incr intensity w depth. 0.25%py disseminate and on fractures.
52	61.14	Granodiorite	Pink	Hematitic	Lithology is similar to above unit with more intense pervasive hematitc alteration; 0.5%py.
61.14	68.4	Gabbro	Pink	Hematitic	Pink to grey gabbro with weak to moderate hematitic alteration. 35-45% mafics - pyx w/ abundant vfg magnetite. Highly magnetic and up to 5% patchy dissem & frac py. Few hem veins

					with epidote selveges.
68.4	70.18	Gabbro	Pink	Hematitic	Med-cg pink to grey gabbro with weak to mod hematitic alteration & amygdules. 35-45% mafics - pyx w/ abundant vfg magnetite. Slight-mod magnetic and up to 10% dissem py.
70.18	130	Gabbro	Grey		Grey med to cg gabbro with 40-45% mafics - pyx and abd vfg mag. Weak hematite alt'd plag and minor carb and py veins with epidote selvages. 0.25-0.5% fg dissem py with local >1cm cb-py veins. Gradational upper and lower contact.
130	141.85	Gabbro	Grey		Dark grey fine to med grained gabbro w/ 55-70% mafics (cpx and opx?) increasing towards bottom of interval. Minor py-cb veins locally. Minor chl on fracs. Up to 0.25% fine grained dissem py.
141.85	143.95	Gabbro	Grey		Dark grey fine to locally med grained olivine gabbro. Patchy very fine grained zones up to 15cm. ~80% mafics and ~10% serpentinised altered ol. Rare serp and carb veinlets with py. 3-10% dissem and blebby (up to 15mm) py and 1%cpy with Po?. Sulfide blebs locally have serpentine inclusions. Sharp irregular lower contact 25 degrees to core axis.
143.95	151.35	Granodiorite	Pink	Hematitic	Pink med to locally coarse grained granodiorite similar to unit above mafic intrusive suite. moderately frac'd w/ loc clay and py. Upr 0.5m has ~2% py grading to ~0.25%.
151.35	204	Granodiorite	Grey		Light grey to locally pink in upr 10m med to coarse locally biotite garnet granodiorite. ~20% qtz and 5-10% biotite as in above unit with decreasing hem alteration. Cm scale pegmatites found locally. Scattered 1-3mm rounded garnets and weak fabric developed locally. Trace py typically on fractures.

Table 4: Mineralization Log for 12SL0002

From (m)	*To (m)*	*Mineral 1*	*%*	*Style*	*Mineral 2*	*%*	*Style*	*Mineral 3*	*%*	*Style*
6	42	Pyrite	0.1	Fractures						
42	61.14	Pyrite	0.4	Disseminated	Pyrite	0.1	Fractures			
61.14	68.4	Pyrite	0.5	Fractures						
68.4	70.18	Pyrite	10	Disseminated						
70.18	96	Pyrite	0.25	Disseminated	Pyrite	0.1	Vein			
96	140	Pyrite	0.01	Vein	Pyrite	0.01	Disseminated			
140	141.85	Pyrite	0.25	Disseminated	Pyrite	0.1	Vein			
141.85	143.95	Pyrite	3	Disseminated	Pyrite	3	Amorphous	Chalcopyrite	1	Amorphous
143.95	144.8	Pyrite	1.5	Disseminated	Pyrite	0.5	Vein			
144.8	204	Pyrite	0.01	Fractures						

Assays

SAMPLE ID	FROM	TO	INT	S	Cr	Co	Cu	Ni	Au	Pt	Pd
	m	*m*	*m*	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
40044085	6.35	9	2.65	0.05	10	<1	2	1	0.001	<0.005	<0.001
40044086	9	12	3	0.11	10	1	2	<1	0.001	<0.005	<0.001
40044087	12	15	3	0.04	10	<1	1	<1	0.001	<0.005	<0.001
40044088	15	18	3	0.06	10	<1	1	<1	<0.001	<0.005	<0.001
40044089	18	21	3	0.04	10	<1	1	<1	0.001	<0.005	<0.001
40044090	21	24	3	0.05	10	1	2	1	<0.001	<0.005	<0.001
40044092	24	27	3	0.02	10	1	1	<1	<0.001	<0.005	<0.001
40044093	27	30	3	0.04	10	1	1	1	<0.001	<0.005	<0.001
40044094	30	33	3	0.03	10	1	1	1	<0.001	<0.005	<0.001
40044095	33	36	3	0.04	20	<1	1	1	0.001	<0.005	<0.001
40044096	36	39	3	0.13	10	1	1	<1	0.001	<0.005	<0.001
40044097	39	42	3	0.37	20	<1	2	<1	0.001	<0.005	<0.001
40044099	42	45	3	0.32	10	<1	1	<1	<0.001	<0.005	<0.001
40044100	45	48	3	0.34	10	<1	1	1	<0.001	<0.005	<0.001
40044101	48	51	3	0.54	10	<1	1	<1	<0.001	<0.005	<0.001
40044102	51	54	3	0.59	20	1	3	1	0.001	<0.005	<0.001
40044103	54	57	3	0.71	10	1	2	<1	0.001	<0.005	<0.001
40044104	57	59	2	0.54	20	<1	2	1	0.001	<0.005	<0.001
40044106	59	61.14	2.14	0.62	20	<1	5	3	0.002	<0.005	<0.001
40044107	61.14	63	1.86	0.53	50	34	170	41	0.004	0.012	0.007
40044109	63	66	3	0.98	30	41	253	43	0.005	0.01	0.005
40044110	66	68.4	2.4	0.35	50	42	310	57	0.007	0.02	0.008
40044111	68.4	70.18	1.78	3.78	10	24	81	12	0.002	<0.005	0.001
40044113	70.18	72	1.82	1.52	20	41	196	37	0.006	0.018	0.003
40044114	72	75	3	0.39	20	46	336	48	0.008	0.026	0.003
40044115	75	78	3	0.16	20	50	363	60	0.011	0.037	0.006
40044116	78	81	3	0.48	20	51	443	66	0.011	0.033	0.004
40044117	81	84	3	0.45	20	51	460	65	0.012	0.035	0.005
40044118	84	87	3	1.19	30	51	370	76	0.016	0.045	0.006
40044120	87	90	3	0.31	50	43	361	73	0.013	0.044	0.009
40044121	90	93	3	0.89	40	50	377	75	0.015	0.056	0.008
40044122	93	96	3	0.65	50	47	342	78	0.015	0.057	0.011
40044123	96	99	3	0.12	60	44	310	76	0.012	0.043	0.015
40044124	99	102	3	0.34	70	41	235	68	0.009	0.034	0.018
40044125	102	105	3	0.1	90	38	165	65	0.008	0.03	0.017
40044127	105	108	3	0.21	100	39	156	67	0.006	0.024	0.017
40044128	108	111	3	0.32	120	40	189	70	0.005	0.014	0.015
40044129	111	114	3	0.13	180	39	142	81	0.003	0.011	0.01
40044130	114	117	3	0.09	280	45	142	98	0.003	0.009	0.009
40044131	117	120	3	0.09	340	47	133	105	0.002	0.008	0.007
40044132	120	123	3	0.37	390	49	341	113	0.004	0.01	0.008
40044134	123	126	3	0.06	470	49	136	123	0.004	0.012	0.007
40044135	126	129	3	0.2	520	51	138	129	0.003	0.012	0.008

SAMPLE ID	FROM	TO	INT	S	Cr	Co	Cu	Ni	Au	Pt	Pd
	m	*m*	*m*	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
40044136	129	132	3	0.17	670	54	146	163	0.004	0.015	0.01
40044137	132	135	3	0.24	720	58	163	177	0.003	0.014	0.008
40044138	135	138	3	0.17	770	55	150	173	0.003	0.017	0.008
40044139	138	140	2	0.11	690	54	164	169	0.004	0.015	0.01
40044141	140	141.85	1.85	0.22	690	54	298	177	0.006	0.033	0.025
40044142	141.85	142.9	1.05	0.71	1310	93	1995	678	0.045	0.465	0.359
40044143	142.9	143.95	1.05	1.49	980	110	3590	957	0.07	0.816	0.788
40044144	143.95	145.5	1.55	0.31	10	13	890	137	0.033	0.251	0.219
40044145	145.5	147	1.5	0.15	10	2	11	8	0.001	<0.005	0.001
40044146	147	150	3	0.19	10	2	5	3	0.001	<0.005	<0.001
40044148	150	153	3	0.12	10	1	7	1	0.001	<0.005	<0.001
40044149	153	156	3	0.04	10	1	2	3	0.001	<0.005	<0.001
40044150	156	159	3	0.1	10	1	2	3	0.001	<0.005	<0.001
40044151	159	162	3	0.09	10	1	1	2	<0.001	<0.005	<0.001
40044152	162	165	3	0.01	10	1	1	2	0.001	<0.005	<0.001
40044153	165	168	3	<0.01	10	1	1	1	0.001	<0.005	<0.001
40044155	168	171	3	0.01	10	<1	1	2	0.001	<0.005	<0.001
40044156	171	174	3	0.19	10	1	1	2	<0.001	<0.005	<0.001
40044157	174	177	3	0.02	10	<1	1	2	0.001	<0.005	<0.001
40044158	177	180	3	0.02	10	1	1	<1	<0.001	<0.005	<0.001
40044159	180	183	3	0.03	10	1	1	2	0.001	<0.005	<0.001
40044160	183	186	3	0.04	10	1	1	2	0.001	<0.005	<0.001
40044162	186	189	3	0.02	20	1	1	6	0.001	<0.005	<0.001
40044163	189	192	3	0.01	10	1	1	3	<0.001	<0.005	<0.001
40044164	192	195	3	0.02	10	1	2	6	<0.001	<0.005	<0.001
40044165	195	198	3	<0.01	10	1	1	3	<0.001	<0.005	<0.001
40044166	198	201	3	0.01	10	1	1	2	<0.001	<0.005	<0.001
40044167	201	204	3	0.01	10	1	1	3	<0.001	<0.005	<0.001

References

1991 Airborne electromagnetic and total intensity magnetic survey, Ontario Geological Survey, Map 81567, scale 1:20,000

Burwasser, 1981, The Quaternary geology of the Onion and Sunshine Lakes area, District of Thunder Bay, OGS Misc. Paper 94.

Hyde, C., 2008, Airborne geophysical assessment report on the Sunday Lake Property, NTS: 52A11 (Onion Lake), Thunder Bay Mining Division, Ontario.

Percival, J. A. and H.R. Williams, 1989, Late Archean Quetico Accretionary Complex, Superior Province, Canada, Geology, v. 17: No. 1, p.23-25.

Pye, E. G. and K. G. Fenwick, 1965, Atikokan-Lakehead Sheet, Districts of Kenora, Rainy River, and Thunder Bay; Ontario Div. Mines, Geol. Comp. Ser. Map 2065, scale 1:253,440.

Rossell, D., 2008, Assessment Report on 2008 Diamond Drilling Current Lake Project, NTS 52A/15 (Greenwich Lake Area), Thunder Bay Mining Division, Ontario.

Statement of Costs

Date (2012)	*Contractor/Retailer*	*Activity*	*Quantity*	*Rate*	*Paid*
Jan	George Downing Estate Drilling Ltd.	Diamond Drilling	204 m		$56,325.98
Jan	George Downing Estate Drilling Ltd.	Mob/de-mob/tool rental/dozer fee			$16,224.90
Jan	Makkinga Contracting	Heavy equipment rental and road plowing			$4,023.43
Jan	Makkinga Contracting	Heavy equipment rental and road plowing			$5,247.50
Jan	Bio-Consulting	Environmental Drill Site Assessment		800/day + mileage	$1,788.35
Jan	ALS Chemex	Assaying Costs	87	$97/sample	$9,328.48
				Total	$92,938.64
				- HST	$10,966.23
				Eligible Total	**$81,972.41**

Name	Title	Daily Rate	Days	Food and Lodging	Total
John Storie	Project Geologist	$400.00	9	$150.00/day	$4,950
Heather Wilson	Contract Geologist	$466.00	9	$150.00/day	$5,544
Ronald Wyttenback	Project Coordinator	$365.00	9	$150.00/day	$4,635
David Johnson	Geologic Consultant	$632.50	9	$150.00/day	$7,042.50
Anthony Margarit	Project Coordinator	$400.00	9	$50.00/day	$4,050
				Total	**$26,221.5**

Grand Total **$108,193.91**

Assay Certificate

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

CERTIFICATE TB12115695

Project: EB80001535

P.O. No.: V3744

This report is for 87 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 23-MAY-2012.

The following have access to data associated with this certificate:

JENNY GOLDNER	BRIAN GOLDNER	HEATHER OIYE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-23	Pulp Login - Rcvd with Barcode
LOG-22	Sample login - Rcd w/o BarCode
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
C-IR07	Total Carbon (Leco)	LECO
S-IR08	Total Sulphur (Leco)	LECO
ME-MS81	38 element fusion ICP-MS	ICP-MS
ME-MS42	Up to 34 elements by ICP-MS	ICP-MS
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	ICP-AES
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
OA-GRA08	Specific Gravity - Bulk Sample	WST-SEQ
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
ATTN: JENNY GOLDNER
224 NORTH 2200 WEST
SALT LAKE CITY UT 84116
USA

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	C-IR07 C % 0.01
40044083		0.57	49.1	13.60	17.70	7.20	3.31	3.10	1.21	<0.01	2.89	0.21	0.77	0.04	0.05	0.17
40044084		0.11	35.9	2.51	13.80	1.07	32.3	0.05	0.07	0.71	0.23	0.15	0.04	<0.01	<0.01	0.20
40044085		5.65	74.3	13.75	1.25	0.50	0.19	3.62	5.23	<0.01	0.05	0.03	0.04	0.01	0.03	0.01
40044086		6.04	75.2	13.35	1.42	0.47	0.18	3.65	4.67	<0.01	0.06	0.05	0.04	0.01	0.02	0.02
40044087		6.88	74.1	13.45	1.62	0.57	0.19	3.99	4.46	<0.01	0.07	0.04	0.04	0.01	0.02	0.02
40044088		6.20	74.6	13.20	1.32	0.53	0.16	4.09	4.02	<0.01	0.05	0.03	0.03	0.01	0.02	0.03
40044089		6.50	74.7	13.10	1.22	0.48	0.15	3.99	3.89	<0.01	0.04	0.05	0.03	0.01	0.01	0.01
40044090		3.45	74.4	13.60	1.57	0.57	0.21	3.80	4.28	<0.01	0.07	0.04	0.04	0.01	0.03	0.02
40044091		2.79	75.0	13.65	1.56	0.57	0.20	3.83	4.50	<0.01	0.07	0.04	0.05	0.01	0.04	0.01
40044092		7.17	74.6	13.55	1.84	0.60	0.27	3.51	5.04	<0.01	0.10	0.04	0.05	0.02	0.05	0.02
40044093		6.81	75.2	13.45	1.88	0.33	0.32	3.42	5.11	<0.01	0.10	0.03	0.04	0.01	0.05	0.01
40044094		6.70	74.9	13.35	1.86	0.33	0.34	3.43	4.99	<0.01	0.10	0.03	0.04	0.02	0.06	0.01
40044095		6.08	76.7	13.30	1.75	0.30	0.31	3.26	5.07	<0.01	0.10	0.02	0.04	0.01	0.06	0.01
40044096		6.04	76.6	12.90	1.60	0.27	0.29	3.34	4.99	<0.01	0.10	0.02	0.03	0.02	0.05	0.01
40044097		6.78	76.8	13.30	1.55	0.30	0.21	3.49	4.70	<0.01	0.07	0.03	0.04	0.01	0.04	0.03
40044098		0.48	53.4	13.25	14.50	5.65	2.00	3.09	1.63	0.01	1.88	0.18	0.68	0.03	0.08	0.38
40044099		6.78	75.4	13.20	1.63	0.26	0.27	3.57	4.61	<0.01	0.08	0.03	0.03	0.01	0.04	0.01
40044100		6.48	76.6	13.40	1.32	0.23	0.18	3.61	4.83	<0.01	0.05	0.04	0.05	0.01	0.03	0.02
40044101		6.03	76.8	13.25	1.69	0.19	0.32	3.41	4.72	<0.01	0.08	0.01	0.04	0.01	0.04	0.01
40044102		6.64	75.3	12.50	1.59	0.23	0.33	3.22	4.85	<0.01	0.08	0.02	<0.01	0.02	0.05	0.01
40044103		6.12	75.5	13.45	1.78	0.29	0.33	3.17	5.10	<0.01	0.08	0.02	0.04	0.02	0.05	0.01
40044104		4.10	75.4	12.50	1.76	0.27	0.39	2.79	5.40	<0.01	0.08	0.02	0.02	0.03	0.06	0.01
40044105		0.11	36.7	2.36	13.30	1.05	30.8	0.06	0.08	0.66	0.22	0.15	<0.01	0.01	<0.01	0.19
40044106		4.36	75.4	12.65	1.94	0.28	0.45	3.02	5.07	<0.01	0.07	0.02	0.07	0.02	0.05	0.01
40044107		4.77	52.4	13.85	12.20	7.35	4.48	3.36	1.30	0.01	2.50	0.20	0.29	0.08	0.03	0.53
40044108		0.58	51.7	13.25	17.00	5.80	2.21	3.20	1.39	0.01	1.99	0.22	0.92	0.04	0.06	0.32
40044109		7.99	51.7	13.35	14.40	6.50	4.78	3.28	1.06	<0.01	3.00	0.18	0.30	0.09	0.03	0.18
40044110		6.33	50.5	13.30	14.25	7.13	5.61	3.35	0.98	0.01	2.88	0.22	0.24	0.08	0.03	0.27
40044111		2.23	57.1	13.90	11.20	3.37	3.06	3.88	1.71	<0.01	2.40	0.07	0.41	0.04	0.05	0.04
40044112		1.87	59.0	13.55	9.68	2.53	2.08	4.08	2.10	<0.01	2.15	0.04	0.40	0.04	0.06	0.02
40044113		3.60	51.5	13.10	14.55	5.93	4.61	2.85	1.24	<0.01	3.19	0.14	0.28	0.10	0.04	0.28
40044114		7.36	50.3	12.90	15.10	7.42	5.01	3.07	1.12	<0.01	3.03	0.24	0.24	0.09	0.03	0.19
40044115		7.00	49.2	12.55	15.25	7.23	5.00	3.02	1.40	<0.01	2.98	0.28	0.22	0.08	0.04	0.07
40044116		6.90	48.3	12.80	15.30	7.19	4.97	2.89	1.08	<0.01	3.07	0.22	0.22	0.09	0.03	0.08
40044117		7.25	49.4	13.15	15.70	7.74	5.08	3.27	0.78	<0.01	3.11	0.20	0.23	0.07	0.02	0.13
40044118		7.19	47.5	12.45	15.15	8.32	4.68	2.89	1.03	<0.01	2.93	0.16	0.18	0.11	0.03	0.40
40044119		0.11	36.3	2.34	13.20	1.06	30.7	0.05	0.05	0.65	0.22	0.15	0.03	0.01	<0.01	0.19
40044120		7.62	49.8	12.85	13.60	8.11	5.24	3.21	1.19	0.01	2.58	0.16	0.10	0.08	0.03	0.29
40044121		6.55	48.7	12.80	14.65	8.14	5.10	3.12	1.13	<0.01	2.84	0.16	0.18	0.09	0.03	0.36
40044122		7.71	48.9	13.00	14.45	8.00	5.26	3.28	0.96	0.01	2.71	0.18	0.14	0.09	0.02	0.28

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method / Analyte / Units / LOR	S-IR08 S % 0.01	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2
40044083		0.16	478	57.8	20	0.95	5.39	2.81	2.58	23.8	6.35	4.1	0.96	28.3	0.37	15.5
40044084		0.36	21.7	5.0	5210	0.18	0.56	0.33	0.21	4.4	0.61	0.5	0.11	2.4	0.05	1.0
40044085		0.05	248	45.2	10	14.00	3.79	2.21	0.37	22.3	3.28	3.2	0.72	21.1	0.35	13.8
40044086		0.11	204	48.2	10	14.85	3.77	2.38	0.32	23.8	3.39	3.0	0.76	22.4	0.45	15.5
40044087		0.04	208	62.7	10	16.35	3.31	2.00	0.37	22.2	3.76	3.3	0.65	30.0	0.32	15.6
40044088		0.06	222	44.8	10	11.30	3.51	2.12	0.37	22.3	3.25	3.2	0.67	21.4	0.38	13.2
40044089		0.04	128.0	11.4	10	14.05	2.81	2.03	0.23	24.3	1.64	2.6	0.58	5.7	0.40	15.5
40044090		0.05	309	65.0	10	12.45	2.68	1.41	0.44	24.6	3.06	3.0	0.47	31.6	0.25	17.1
40044091		0.05	329	67.3	10	12.65	2.81	1.50	0.45	24.3	3.24	3.0	0.49	33.5	0.27	15.8
40044092		0.02	469	99.2	10	6.25	2.42	1.10	0.58	20.4	3.82	3.8	0.40	50.1	0.15	11.8
40044093		0.04	477	101.5	10	7.31	2.35	1.01	0.62	19.8	3.80	4.1	0.38	50.6	0.14	9.5
40044094		0.03	510	102.0	10	6.79	2.59	1.23	0.62	19.5	3.90	4.1	0.44	49.9	0.18	9.9
40044095		0.04	479	89.7	20	6.60	2.26	0.95	0.62	18.5	4.09	3.8	0.36	46.3	0.12	9.7
40044096		0.13	452	81.6	10	5.25	2.10	0.79	0.59	18.1	3.66	3.7	0.32	44.3	0.10	9.8
40044097		0.37	311	58.5	20	9.10	2.64	1.43	0.40	20.4	3.17	3.0	0.47	31.8	0.23	13.9
40044098		0.10	659	70.4	40	1.45	7.02	3.74	3.01	23.4	8.67	4.9	1.37	38.0	0.45	18.5
40044099		0.32	343	65.5	10	5.17	2.59	1.30	0.47	20.1	3.45	3.3	0.44	35.7	0.18	12.9
40044100		0.34	208	26.4	10	8.20	2.10	1.44	0.30	20.3	1.94	2.1	0.42	14.0	0.30	10.5
40044101		0.54	353	50.1	10	4.02	2.13	1.12	0.43	18.1	2.70	2.7	0.39	26.9	0.15	8.4
40044102		0.59	447	55.0	20	2.73	1.98	0.92	0.43	18.0	2.72	2.8	0.34	28.8	0.12	9.0
40044103		0.71	437	53.0	10	2.88	2.18	1.11	0.41	20.4	2.74	2.6	0.39	27.9	0.15	13.2
40044104		0.54	515	63.2	20	3.04	2.24	1.08	0.51	17.7	3.31	3.1	0.40	33.7	0.14	9.2
40044105		0.33	20.4	3.9	5370	0.17	0.60	0.35	0.18	4.0	0.64	0.4	0.12	1.8	0.04	1.0
40044106		0.62	436	45.3	20	3.25	2.46	1.44	0.41	19.2	2.75	2.6	0.47	24.6	0.23	12.7
40044107		0.53	269	74.1	50	0.79	4.78	2.21	2.69	20.8	7.14	6.3	0.83	36.1	0.23	25.5
40044108		0.13	564	81.3	40	1.35	7.86	4.03	3.11	23.8	9.67	3.6	1.48	43.6	0.48	20.3
40044109		0.98	218	68.7	30	0.47	4.57	2.01	2.54	19.8	6.74	5.9	0.78	33.3	0.22	24.3
40044110		0.35	254	60.4	50	0.72	4.26	1.91	2.32	20.4	6.23	5.4	0.73	29.0	0.20	21.2
40044111		3.76	300	89.8	10	1.32	5.97	2.70	3.21	21.0	8.74	8.3	1.02	43.2	0.29	33.0
40044112		4.72	505	98.4	10	1.54	6.00	2.78	3.30	20.1	9.06	8.9	1.06	47.1	0.31	36.0
40044113		1.52	309	72.5	20	0.83	4.61	2.14	2.47	20.0	6.76	6.2	0.79	36.1	0.23	24.5
40044114		0.39	248	68.7	20	0.50	4.72	2.11	2.62	20.7	6.78	6.0	0.79	33.0	0.22	23.1
40044115		0.16	381	62.0	20	0.54	4.36	1.94	2.41	20.2	6.36	5.5	0.75	29.2	0.21	20.8
40044116		0.48	207	56.9	20	0.43	4.19	1.86	2.33	19.4	6.06	5.2	0.70	27.1	0.20	19.4
40044117		0.45	136.0	56.7	20	0.32	4.00	1.78	2.29	19.8	5.98	5.1	0.69	27.1	0.19	19.5
40044118		1.19	269	55.7	30	0.54	4.08	1.85	2.29	19.9	5.88	5.1	0.70	27.0	0.19	19.1
40044119		0.35	10.3	3.6	5240	0.16	0.68	0.34	0.19	3.6	0.63	0.4	0.11	1.8	0.04	0.9
40044120		0.31	258	49.1	50	0.53	3.52	1.58	1.80	19.2	4.90	5.3	0.61	23.5	0.17	15.7
40044121		0.89	222	51.9	40	0.67	3.71	1.62	2.07	18.9	5.35	4.6	0.64	24.7	0.18	17.4
40044122		0.65	224	48.7	50	0.73	3.58	1.60	1.95	19.8	5.14	5.1	0.61	23.6	0.17	16.1

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method Analyte Units LOR	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tl ppm 0.5	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5
40044083		31.2	7.34	31.6	6.77	1	321	1.0	0.93	4.76	<0.5	0.42	1.02	177	<1	29.7
40044084		2.6	0.64	2.6	0.61	<1	12.8	0.1	0.10	0.42	<0.5	0.05	0.08	<5	<1	3.3
40044085		17.3	5.15	285	3.92	2	79.7	2.1	0.60	16.90	1.3	0.39	19.30	<5	1	25.5
40044086		18.7	5.37	274	4.31	3	65.8	1.9	0.62	17.35	1.1	0.42	18.85	<5	1	26.6
40044087		23.3	7.10	271	4.86	3	74.8	2.5	0.81	20.5	1.2	0.34	14.65	<5	<1	23.0
40044088		17.0	5.09	238	3.87	2	73.8	2.2	0.55	17.85	1.0	0.38	13.95	<5	1	24.2
40044089		4.6	1.31	236	1.34	3	60.9	2.5	0.39	7.33	1.0	0.39	20.7	<5	1	21.5
40044090		23.7	7.06	248	4.48	4	90.7	2.8	0.49	21.0	1.0	0.26	13.50	<5	1	16.5
40044091		24.4	7.39	253	4.54	3	94.0	2.6	0.50	21.9	1.1	0.27	14.45	<5	1	18.0
40044092		35.7	10.70	239	6.08	3	122.0	1.8	0.50	29.7	1.0	0.16	12.00	5	<1	13.1
40044093		36.3	11.05	222	6.25	3	118.0	1.0	0.50	30.3	1.1	0.15	11.90	5	<1	12.1
40044094		36.8	11.05	216	6.40	3	122.0	1.1	0.53	31.1	1.0	0.19	12.15	6	<1	14.5
40044095		35.7	10.90	206	6.44	3	110.5	1.0	0.49	29.3	0.9	0.12	11.00	<5	<1	10.5
40044096		32.7	9.91	198.0	6.10	3	104.0	1.1	0.44	28.0	0.9	0.11	13.30	5	<1	9.1
40044097		24.0	7.20	254	4.82	3	75.0	2.1	0.46	23.0	0.9	0.22	10.50	<5	<1	14.2
40044098		40.7	9.92	45.0	9.03	1	262	1.2	1.21	5.64	<0.5	0.49	1.31	68	<1	35.7
40044099		26.6	7.96	239	5.17	3	92.0	1.5	0.48	23.7	0.9	0.19	10.20	<5	<1	13.7
40044100		10.9	3.33	231	2.53	2	80.9	1.2	0.32	11.65	0.9	0.24	11.45	<5	<1	12.6
40044101		20.5	6.22	194.5	4.06	3	97.0	1.0	0.38	21.1	0.8	0.16	10.05	5	<1	11.6
40044102		22.7	6.80	196.0	4.49	3	122.0	1.1	0.36	22.6	0.6	0.13	9.67	6	<1	10.5
40044103		21.6	6.51	214	4.35	3	153.5	1.8	0.39	21.8	0.7	0.16	10.30	6	<1	11.7
40044104		25.8	7.77	218	5.12	3	160.0	1.0	0.44	23.6	0.7	0.15	11.25	5	<1	12.2
40044105		2.5	0.61	2.5	0.62	<1	11.8	0.1	0.09	0.38	<0.5	0.05	0.10	13	<1	3.1
40044106		18.4	5.60	209	3.87	3	165.5	1.4	0.41	20.1	0.6	0.22	11.00	<5	<1	13.8
40044107		44.8	10.95	47.2	9.23	2	719	1.7	0.93	3.09	<0.5	0.27	1.07	304	<1	21.3
40044108		47.6	11.55	49.5	10.50	1	290	1.4	1.35	5.52	<0.5	0.53	1.25	65	<1	39.0
40044109		42.2	10.15	30.7	8.64	2	757	1.6	0.86	2.65	<0.5	0.25	0.87	432	<1	20.0
40044110		37.5	9.00	34.3	7.87	2	696	1.5	0.81	2.31	<0.5	0.24	0.74	485	<1	18.3
40044111		58.6	13.40	67.5	11.40	3	316	2.3	1.12	4.77	<0.5	0.34	1.64	249	1	25.7
40044112		59.4	14.60	63.0	11.90	3	309	2.4	1.15	5.36	<0.5	0.36	1.82	172	1	27.4
40044113		42.6	10.45	36.5	8.57	2	826	1.7	0.88	2.93	<0.5	0.26	1.01	485	1	20.1
40044114		42.2	10.15	30.7	8.64	2	723	1.6	0.88	3.12	<0.5	0.26	0.90	534	<1	20.5
40044115		38.2	9.18	40.1	8.15	2	666	1.4	0.83	2.48	<0.5	0.25	0.78	561	<1	18.8
40044116		35.7	8.46	30.4	7.40	2	699	1.3	0.79	2.29	<0.5	0.23	0.89	578	<1	17.7
40044117		35.3	8.40	20.3	7.50	2	556	1.3	0.79	2.17	<0.5	0.23	0.88	583	<1	17.7
40044118		34.5	8.22	38.1	7.21	2	941	1.3	0.77	2.17	<0.5	0.23	0.80	579	<1	17.4
40044119		2.3	0.56	2.2	0.62	<1	11.2	0.1	0.09	0.34	<0.5	0.05	0.08	<5	<1	2.9
40044120		29.3	7.16	36.1	6.18	2	662	1.1	0.66	2.40	<0.5	0.21	0.79	524	<1	15.4
40044121		32.0	7.74	38.7	6.71	2	764	1.2	0.71	2.01	<0.5	0.21	0.65	565	<1	15.8
40044122		29.5	7.23	35.7	6.29	2	724	1.2	0.67	2.34	<0.5	0.20	0.89	553	1	15.2

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method	ME-MS81	ME-MS81	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	DA-GRA05	TOT-ICP06	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
	Analyte	Yb	Zr	As	Bi	Hg	Sb	Se	Te	LOI	Total	Ag	Cd	Co	Cu	Li
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.03	20	0.1	0.01	0.005	0.05	0.2	0.01	0.01	0.01	0.5	0.5	1	1	10
40044083		2.21	160	4.4	0.02	<0.005	<0.05	0.6	<0.01	1.25	100.43	<0.5	<0.5	40	22	10
40044084		0.29	20	2.4	0.07	0.005	<0.05	1.1	0.13	13.35	100.18	<0.5	<0.5	141	592	<10
40044085		2.11	80	<0.1	0.15	<0.005	<0.05	0.3	0.01	0.60	99.60	<0.5	<0.5	<1	2	20
40044086		2.53	70	0.2	0.22	<0.005	<0.05	0.3	0.04	0.74	99.86	<0.5	<0.5	1	2	30
40044087		2.02	90	0.2	0.71	<0.005	<0.05	0.2	0.02	0.60	99.15	<0.5	<0.5	<1	1	30
40044088		2.20	70	0.3	0.31	<0.005	0.05	0.2	0.03	0.76	98.82	<0.5	<0.5	<1	1	30
40044089		2.35	70	0.3	0.57	<0.005	<0.05	0.2	0.02	0.62	98.29	<0.5	<0.5	<1	1	30
40044090		1.59	80	0.2	0.59	<0.005	<0.05	0.2	0.03	0.73	99.35	<0.5	<0.5	1	2	40
40044091		1.66	80	0.2	0.68	<0.005	<0.05	0.2	0.03	0.69	100.21	<0.5	<0.5	<1	1	40
40044092		0.97	120	0.1	0.40	<0.005	<0.05	0.2	<0.01	0.68	100.35	<0.5	<0.5	1	1	50
40044093		0.82	130	0.2	0.97	<0.005	<0.05	0.2	0.02	0.78	100.72	<0.5	<0.5	1	1	40
40044094		1.03	130	0.1	0.39	<0.005	<0.05	0.2	0.01	0.84	100.29	<0.5	<0.5	1	1	40
40044095		0.79	110	<0.1	0.45	<0.005	<0.05	0.2	0.03	0.93	101.85	<0.5	<0.5	<1	1	30
40044096		0.71	100	0.2	2.42	0.006	<0.05	0.3	0.12	0.88	101.09	<0.5	<0.5	1	1	30
40044097		1.53	80	0.4	2.85	0.007	0.05	0.6	0.31	0.98	101.52	<0.5	<0.5	<1	2	20
40044098		3.05	180	0.8	0.02	0.005	<0.05	0.7	0.01	2.35	98.73	<0.5	<0.5	20	14	20
40044099		1.23	90	0.4	0.90	0.009	<0.05	0.5	0.29	0.95	100.08	<0.5	<0.5	<1	1	20
40044100		1.87	40	0.3	1.16	0.015	<0.05	0.6	0.19	0.97	101.32	<0.5	<0.5	<1	1	10
40044101		0.99	80	0.5	1.64	0.015	<0.05	0.8	0.31	1.20	101.76	<0.5	<0.5	<1	1	20
40044102		0.82	80	0.8	1.46	0.016	<0.05	0.7	0.28	1.40	99.59	<0.5	<0.5	1	3	20
40044103		1.03	70	0.5	1.15	0.029	<0.05	1.2	0.27	1.49	101.32	<0.5	<0.5	1	2	10
40044104		0.99	90	0.4	0.78	0.030	<0.05	0.5	0.15	1.46	100.18	<0.5	<0.5	<1	2	20
40044105		0.32	20	2.5	0.07	0.008	<0.05	1.2	0.13	13.15	98.54	<0.5	<0.5	147	605	<10
40044106		1.50	70	0.5	0.74	0.020	<0.05	0.5	0.11	1.53	100.57	<0.5	<0.5	<1	5	20
40044107		1.66	230	1.3	0.57	0.011	0.05	0.8	0.09	3.85	101.90	<0.5	<0.5	34	170	70
40044108		3.31	120	1.9	0.02	0.007	<0.05	0.8	0.01	1.37	99.16	<0.5	<0.5	21	18	20
40044109		1.54	210	0.9	0.54	0.009	<0.05	0.9	0.11	3.30	101.97	<0.5	<0.5	41	253	60
40044110		1.41	190	0.8	0.20	0.009	0.05	0.7	0.04	3.23	101.81	<0.5	<0.5	42	310	60
40044111		2.13	320	3.9	0.84	0.009	0.06	1.5	0.34	4.59	101.77	<0.5	<0.5	24	81	70
40044112		2.15	360	4.4	1.02	0.008	0.05	1.8	0.42	4.92	100.63	<0.5	<0.5	22	9	70
40044113		1.59	220	3.1	1.06	0.011	0.07	1.2	0.18	3.78	101.31	<0.5	<0.5	41	196	70
40044114		1.57	210	0.8	0.53	0.006	<0.05	0.8	0.04	2.95	101.50	<0.5	<0.5	46	336	50
40044115		1.47	200	0.4	0.55	0.009	<0.05	0.7	0.03	2.50	99.75	<0.5	<0.5	50	363	40
40044116		1.43	180	2.2	0.37	0.008	<0.05	0.8	0.07	2.80	98.96	<0.5	<0.5	51	443	50
40044117		1.35	180	3.4	0.18	0.007	<0.05	0.8	0.34	3.04	101.79	<0.5	<0.5	51	460	50
40044118		1.36	180	11.9	0.66	0.010	0.05	1.0	0.56	3.49	98.92	<0.5	<0.5	51	370	50
40044119		0.30	20	2.0	0.07	0.012	<0.05	1.2	0.15	13.40	98.18	<0.5	<0.5	136	557	10
40044120		1.21	190	1.3	0.13	0.009	<0.05	0.7	0.04	3.00	99.96	<0.5	<0.5	43	361	50
40044121		1.22	160	2.8	0.23	0.005	<0.05	0.8	0.28	3.27	100.21	<0.5	<0.5	50	377	50
40044122		1.20	180	4.3	0.32	0.013	0.06	0.9	0.29	3.28	100.28	<0.5	<0.5	47	342	50

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method Analyte Units LOR	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Zn ppm 2	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	OA-GRA08 S.G. Unity 0.01
40044083		<1	7	8	26	126	0.005	<0.005	<0.001	2.99
40044084		<1	2000	3	9	86	0.009	0.008	0.004	
40044085		<1	1	37	3	13	0.001	<0.005	<0.001	2.61
40044086		<1	<1	35	4	18	0.001	<0.005	<0.001	2.61
40044087		4	<1	34	3	25	0.001	<0.005	<0.001	2.60
40044088		<1	<1	29	3	15	<0.001	<0.005	<0.001	2.59
40044089		263	<1	27	4	9	0.001	<0.005	<0.001	2.61
40044090		1	1	27	4	16	<0.001	<0.005	<0.001	2.62
40044091		14	1	29	4	18	0.001	<0.005	<0.001	2.61
40044092		<1	<1	39	3	26	<0.001	<0.005	<0.001	2.62
40044093		<1	1	36	3	19	<0.001	<0.005	<0.001	2.61
40044094		1	1	34	3	18	<0.001	<0.005	<0.001	2.60
40044095		<1	1	28	3	12	0.001	<0.005	<0.001	2.57
40044096		5	<1	28	3	6	0.001	<0.005	<0.001	2.60
40044097		1	<1	26	3	3	0.001	<0.005	<0.001	2.60
40044098		<1	2	7	26	134	0.001	<0.005	<0.001	2.96
40044099		5	<1	33	3	7	<0.001	<0.005	<0.001	2.61
40044100		<1	1	28	4	7	<0.001	<0.005	<0.001	2.61
40044101		4	<1	35	3	7	<0.001	<0.005	<0.001	2.57
40044102		5	1	22	3	21	0.001	<0.005	<0.001	2.59
40044103		1	<1	17	3	16	0.001	<0.005	<0.001	2.58
40044104		3	1	11	3	8	0.001	<0.005	<0.001	2.58
40044105		<1	2070	3	9	88	0.013	0.011	0.004	
40044106		1	3	8	3	7	0.002	<0.005	<0.001	2.55
40044107		<1	41	8	20	99	0.004	0.012	0.007	2.90
40044108		<1	7	8	25	150	0.001	<0.005	0.001	2.69
40044109		<1	43	11	22	100	0.005	0.010	0.005	2.73
40044110		<1	57	10	24	126	0.007	0.020	0.008	2.97
40044111		<1	12	11	17	40	0.002	<0.005	0.001	2.53
40044112		<1	1	11	14	18	0.001	<0.005	<0.001	2.56
40044113		<1	37	25	22	69	0.006	0.018	0.003	2.91
40044114		<1	48	13	23	128	0.008	0.026	0.003	2.96
40044115		<1	60	18	24	192	0.011	0.037	0.006	2.97
40044116		<1	66	16	26	156	0.011	0.033	0.004	2.96
40044117		<1	65	17	27	155	0.012	0.035	0.005	2.91
40044118		1	76	21	23	118	0.016	0.045	0.006	2.98
40044119		1	1690	6	9	88	0.011	0.007	0.005	
40044120		<1	73	10	23	108	0.013	0.044	0.009	3.01
40044121		<1	75	12	23	109	0.015	0.056	0.008	2.99
40044122		<1	78	14	23	136	0.015	0.057	0.011	2.96

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method	WEI-21	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	C-IR07
	Analyte	Recvd Wt.	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	C
	Units	kg	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOR	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
40044123		7.19	50.2	13.45	13.40	8.38	5.55	3.07	1.19	0.01	2.51	0.20	0.13	0.06	0.03	0.15
40044124		7.02	50.9	13.60	12.60	9.03	5.73	3.09	1.03	0.01	2.29	0.19	0.19	0.09	0.02	0.20
40044125		7.29	51.8	13.85	11.70	8.99	5.74	3.26	1.05	0.01	2.06	0.23	0.21	0.08	0.03	0.12
40044126		0.62	48.9	12.75	19.10	6.89	2.84	2.89	1.01	0.01	2.15	0.25	0.93	0.03	0.05	0.24
40044127		7.19	50.7	13.20	11.03	8.91	5.49	3.45	1.01	0.01	1.98	0.18	0.11	0.08	0.02	0.15
40044128		9.04	51.1	13.05	11.35	8.87	5.75	3.44	1.08	0.02	1.99	0.18	0.15	0.09	0.02	0.16
40044129		5.35	52.2	12.80	11.55	9.57	6.45	3.03	1.41	0.02	2.05	0.18	0.22	0.06	0.03	0.15
40044130		7.44	50.0	11.95	12.05	9.68	7.46	3.13	0.86	0.04	2.10	0.20	0.20	0.07	0.02	0.14
40044131		6.51	50.6	11.65	12.25	9.72	7.70	3.01	0.86	0.04	2.16	0.20	0.21	0.07	0.02	0.12
40044132		3.51	50.3	11.20	12.65	9.40	7.79	2.85	1.05	0.05	2.17	0.19	0.21	0.07	0.03	0.21
40044133		3.39	49.5	11.05	12.70	9.30	7.72	2.81	1.02	0.05	2.15	0.19	0.20	0.07	0.03	0.20
40044134		7.12	49.9	10.65	12.55	9.87	8.55	2.61	0.97	0.06	2.14	0.21	0.20	0.06	0.03	0.08
40044135		7.32	50.8	10.45	13.30	9.58	8.92	2.59	1.15	0.07	2.27	0.21	0.21	0.06	0.03	0.14
40044136		7.44	50.2	9.50	13.30	9.81	9.87	2.24	0.82	0.09	2.17	0.20	0.21	0.06	0.03	0.09
40044137		7.83	49.7	9.26	13.20	9.66	10.25	2.13	0.75	0.10	2.13	0.20	0.21	0.06	0.03	0.14
40044138		7.27	50.4	9.38	13.35	10.10	10.45	2.20	0.74	0.10	2.15	0.21	0.20	0.05	0.03	0.15
40044139		5.16	49.5	9.43	13.05	9.53	9.99	2.22	0.81	0.09	2.14	0.20	0.22	0.06	0.02	0.13
40044140		0.11	39.1	5.38	15.95	3.79	22.4	0.64	0.24	0.28	0.44	0.15	0.03	0.01	0.02	0.14
40044141		4.05	50.1	9.55	13.15	9.79	9.94	2.21	0.81	0.09	2.20	0.20	0.20	0.06	0.03	0.18
40044142		2.76	48.7	7.10	14.60	10.10	13.35	1.44	0.62	0.18	1.64	0.23	0.15	0.04	0.02	0.06
40044143		2.85	48.2	7.04	14.85	9.63	12.50	1.66	0.27	0.13	1.61	0.24	0.14	0.02	0.01	0.09
40044144		2.74	74.4	12.50	2.22	0.27	0.61	2.78	5.56	<0.01	0.10	0.03	0.03	0.02	0.08	0.01
40044145		2.71	74.9	13.50	1.55	0.29	0.49	3.20	5.24	<0.01	0.08	0.03	0.01	0.02	0.06	0.01
40044146		5.09	74.4	13.30	1.44	0.27	0.43	3.25	5.28	<0.01	0.09	0.02	0.02	0.02	0.06	0.01
40044147		1.02	50.4	13.35	18.65	6.54	2.60	3.17	1.25	<0.01	2.48	0.26	1.16	0.04	0.07	0.29
40044148		6.28	75.5	13.40	1.59	0.22	0.42	3.60	4.89	<0.01	0.09	0.02	0.02	0.02	0.05	0.01
40044149		5.46	75.3	13.25	1.76	0.22	0.46	3.34	5.19	<0.01	0.10	0.02	0.03	0.01	0.06	0.01
40044150		6.05	75.5	13.35	1.55	0.25	0.43	3.32	5.24	<0.01	0.09	0.01	0.02	0.01	0.06	0.01
40044151		5.40	75.4	13.30	1.60	0.27	0.40	3.29	5.26	<0.01	0.09	0.02	0.02	0.01	0.06	0.01
40044152		5.85	74.6	13.15	1.71	0.35	0.44	3.34	5.11	<0.01	0.09	0.03	0.02	0.01	0.05	0.03
40044153		3.01	75.2	13.30	1.68	0.56	0.35	3.37	5.19	<0.01	0.09	0.03	0.01	0.02	0.05	0.04
40044154		2.71	75.9	13.40	1.65	0.58	0.35	3.40	5.20	<0.01	0.09	0.03	0.02	0.02	0.05	0.04
40044155		6.04	74.9	13.05	1.45	0.58	0.25	3.48	4.87	<0.01	0.07	0.04	0.01	0.01	0.04	0.03
40044156		6.48	74.8	13.30	1.74	0.29	0.33	3.70	5.07	<0.01	0.09	0.03	0.01	0.01	0.05	0.02
40044157		6.00	75.2	13.30	1.41	0.60	0.22	3.59	4.89	<0.01	0.08	0.03	0.01	0.01	0.04	0.03
40044158		6.25	74.5	13.75	1.53	0.72	0.23	3.59	5.17	<0.01	0.09	0.03	0.01	0.01	0.04	0.03
40044159		6.21	74.5	13.15	1.70	0.70	0.28	3.29	5.06	<0.01	0.10	0.03	0.02	0.02	0.06	0.03
40044160		6.19	75.1	13.15	1.64	0.77	0.26	3.21	5.02	<0.01	0.10	0.03	0.01	0.02	0.06	0.04
40044161		0.11	36.0	2.50	13.40	1.06	32.9	0.05	0.07	0.68	0.22	0.16	0.02	<0.01	<0.01	0.19
40044162		6.14	74.7	13.20	1.53	0.71	0.26	3.40	4.99	<0.01	0.09	0.03	0.03	0.02	0.05	0.03

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method / Analyte / Units / LOR	S-IR08 S % 0.01	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2
40044123		0.12	220	46.1	60	0.72	3.21	1.42	1.68	19.0	4.51	5.3	0.56	22.2	0.16	14.9
40044124		0.34	193.5	48.1	70	0.76	3.57	1.58	1.97	19.2	5.13	4.7	0.62	22.6	0.17	16.7
40044125		0.10	218	51.4	90	1.19	3.82	1.65	2.21	19.0	5.61	4.8	0.67	24.3	0.18	18.0
40044126		0.17	394	57.8	90	1.18	6.28	3.24	2.62	20.9	7.84	3.3	1.18	30.1	0.37	12.6
40044127		0.21	201	51.4	100	1.14	3.89	1.68	2.13	18.6	5.64	4.7	0.64	24.2	0.19	17.6
40044128		0.32	194.5	52.1	120	0.91	3.87	1.74	2.14	18.0	5.59	4.7	0.65	24.5	0.18	17.9
40044129		0.13	261	55.2	180	0.50	4.07	1.79	2.18	17.7	5.93	5.5	0.69	25.9	0.19	18.7
40044130		0.09	208	68.1	280	0.67	4.02	1.80	2.38	17.0	5.93	5.3	0.71	28.5	0.20	18.7
40044131		0.09	207	65.8	340	0.74	4.10	1.76	2.38	16.9	5.85	5.3	0.71	27.4	0.20	19.6
40044132		0.37	262	69.5	390	0.95	4.07	1.81	2.45	16.5	6.11	5.1	0.72	29.1	0.20	19.3
40044133		0.44	238	65.6	390	0.95	4.04	1.74	2.36	16.5	5.94	5.1	0.71	27.0	0.19	19.5
40044134		0.06	255	65.8	470	1.03	4.03	1.76	2.39	16.1	6.09	5.0	0.72	27.2	0.20	19.2
40044135		0.20	301	70.0	520	1.20	4.31	1.87	2.49	16.3	6.28	5.3	0.76	28.9	0.21	20.0
40044136		0.17	251	67.5	670	1.95	4.29	1.85	2.38	15.3	6.11	5.4	0.74	27.7	0.21	19.3
40044137		0.24	217	63.9	720	2.30	3.99	1.74	2.26	14.9	6.00	5.5	0.71	26.1	0.20	18.3
40044138		0.17	223	65.7	770	2.79	4.14	1.83	2.31	15.5	6.05	5.3	0.73	26.6	0.19	18.9
40044139		0.11	220	66.0	690	3.35	4.08	1.74	2.37	15.2	5.96	5.2	0.73	26.9	0.19	18.6
40044140		2.45	101.5	11.3	2090	0.84	1.25	0.70	0.45	7.6	1.35	0.9	0.25	5.3	0.10	2.3
40044141		0.22	228	66.3	690	2.55	4.24	1.87	2.34	15.5	6.15	5.2	0.73	27.1	0.20	19.0
40044142		0.71	173.0	49.1	1310	3.36	3.31	1.42	1.79	11.8	4.71	3.9	0.57	19.9	0.17	13.6
40044143		1.49	67.1	48.5	980	1.71	3.09	1.33	1.68	11.4	4.42	3.9	0.52	19.9	0.15	14.0
40044144		0.31	659	80.4	10	1.72	2.83	1.47	0.59	15.5	3.81	3.5	0.53	37.3	0.16	8.0
40044145		0.15	529	60.5	10	3.18	2.70	1.47	0.48	19.4	3.23	3.5	0.51	28.1	0.20	14.1
40044146		0.19	488	69.0	10	3.45	2.73	1.44	0.49	18.9	3.62	3.6	0.51	31.9	0.19	14.7
40044147		0.19	574	107.0	30	1.53	9.27	4.70	3.51	21.8	11.85	4.2	1.77	48.8	0.58	26.7
40044148		0.12	455	76.7	10	3.35	2.22	1.03	0.54	17.7	3.61	3.4	0.39	35.9	0.13	10.4
40044149		0.04	502	88.4	10	3.22	2.47	1.10	0.64	17.0	4.09	3.9	0.42	41.8	0.13	9.7
40044150		0.10	498	88.5	10	3.71	2.70	1.30	0.62	17.5	4.03	3.8	0.49	41.4	0.16	10.2
40044151		0.09	492	81.4	10	3.83	2.41	1.17	0.57	17.2	3.71	3.7	0.44	37.6	0.14	9.7
40044152		0.01	468	84.1	10	3.59	2.60	1.26	0.60	16.7	3.94	3.5	0.48	39.3	0.15	9.6
40044153		<0.01	460	87.0	10	4.33	2.74	1.36	0.62	17.2	4.11	3.7	0.50	40.3	0.16	9.5
40044154		0.01	459	83.4	10	4.18	2.73	1.35	0.60	17.3	3.93	3.5	0.50	39.1	0.16	9.5
40044155		0.01	365	66.8	10	5.11	2.74	1.47	0.49	18.3	3.44	2.9	0.53	31.0	0.20	12.3
40044156		0.19	487	79.3	10	3.99	2.51	1.29	0.56	18.1	3.53	3.9	0.46	37.6	0.18	10.0
40044157		0.02	360	73.9	10	5.03	2.90	1.53	0.48	18.8	3.57	3.1	0.54	34.4	0.22	13.5
40044158		0.02	358	81.0	10	4.69	3.58	2.00	0.49	19.5	4.08	3.6	0.69	37.9	0.26	14.9
40044159		0.03	502	95.0	10	4.09	2.00	0.75	0.61	17.1	3.88	3.5	0.33	45.1	0.10	10.2
40044160		0.04	503	97.7	10	4.40	2.11	0.82	0.62	17.1	4.00	3.7	0.33	46.9	0.10	10.0
40044161		0.33	22.1	5.2	4930	0.18	0.81	0.34	0.21	4.0	0.63	0.7	0.12	2.5	0.05	1.1
40044162		0.02	455	78.1	20	5.13	2.37	1.10	0.57	17.4	3.71	3.8	0.41	36.6	0.15	10.1

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method / Analyte / Units / LOR	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tl ppm 0.5	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5
40044123		27.0	6.61	38.1	5.60	2	539	1.1	0.61	2.49	<0.5	0.19	0.80	505	<1	14.0
40044124		30.7	7.28	35.1	6.65	1	733	1.1	0.67	2.07	<0.5	0.20	0.72	403	<1	15.8
40044125		33.0	7.78	36.1	7.09	1	718	1.2	0.71	2.05	<0.5	0.21	0.65	309	<1	16.6
40044126		36.0	8.34	24.1	8.45	1	277	0.8	1.11	4.41	<0.5	0.41	1.02	119	<1	30.7
40044127		33.0	7.77	36.7	6.91	1	678	1.2	0.73	2.06	<0.5	0.22	0.68	276	<1	16.4
40044128		33.2	7.92	35.6	7.10	1	644	1.2	0.72	2.05	<0.5	0.21	0.73	267	<1	16.7
40044129		34.4	8.14	41.4	7.32	1	482	1.3	0.77	2.35	<0.5	0.22	0.77	270	<1	17.0
40044130		37.4	8.11	31.1	7.31	1	552	1.3	0.77	3.87	<0.5	0.25	0.80	303	<1	18.0
40044131		36.5	8.00	32.3	7.27	2	523	1.4	0.78	2.58	<0.5	0.25	0.75	304	<1	17.9
40044132		36.1	8.29	38.6	7.38	2	519	1.4	0.80	3.01	<0.5	0.25	0.82	306	<1	18.4
40044133		36.3	7.87	38.1	7.13	1	520	1.3	0.78	2.44	<0.5	0.24	0.79	305	<1	18.3
40044134		37.3	8.04	37.2	7.40	1	501	1.4	0.79	2.53	<0.5	0.24	0.69	312	<1	18.4
40044135		38.9	8.42	41.0	7.58	2	478	1.4	0.82	2.65	<0.5	0.27	0.76	318	<1	19.1
40044136		38.1	8.22	29.1	7.45	2	490	1.4	0.81	2.56	<0.5	0.25	0.73	294	<1	18.8
40044137		35.9	7.81	28.1	7.19	1	444	1.3	0.77	2.35	<0.5	0.24	0.74	285	<1	18.1
40044138		36.9	8.03	30.4	7.24	2	431	1.3	0.79	2.34	<0.5	0.26	0.79	295	<1	19.0
40044139		36.9	8.03	31.4	7.33	2	469	1.3	0.77	2.30	<0.5	0.25	0.69	289	<1	18.5
40044140		5.7	1.24	6.6	1.34	2	116.0	0.1	0.21	1.31	<0.5	0.10	0.20	58	<1	6.7
40044141		37.2	8.10	29.8	7.37	2	434	1.3	0.81	2.45	<0.5	0.26	1.02	297	<1	19.0
40044142		28.2	5.98	20.8	5.69	1	287	1.0	0.64	1.84	<0.5	0.21	0.55	213	<1	15.1
40044143		27.4	5.83	10.6	5.52	2	123.0	1.0	0.59	2.03	<0.5	0.19	0.86	225	<1	14.2
40044144		28.5	7.99	209	5.49	2	173.0	0.8	0.54	26.5	0.6	0.21	22.1	9	<1	16.3
40044145		22.9	6.16	234	4.42	3	167.5	1.7	0.49	25.9	0.7	0.23	18.25	7	<1	14.8
40044146		25.6	6.92	248	4.95	3	166.0	1.5	0.51	28.3	0.7	0.21	18.80	5	<1	15.8
40044147		57.0	12.40	40.0	11.90	1	286	1.8	1.66	5.25	<0.5	0.68	1.15	89	<1	47.4
40044148		28.3	7.68	207	5.18	2	127.0	1.2	0.46	26.3	0.7	0.15	17.00	7	<1	11.7
40044149		32.6	8.92	197.0	6.10	2	112.5	1.1	0.51	30.6	0.7	0.15	11.75	6	<1	12.3
40044150		33.1	8.83	205	6.17	2	113.0	1.1	0.54	29.8	0.7	0.18	11.55	8	<1	14.5
40044151		30.0	8.16	208	5.64	2	112.0	1.1	0.48	28.7	0.8	0.17	13.75	8	<1	13.1
40044152		31.3	8.48	201	5.75	2	112.0	1.1	0.51	29.2	0.8	0.19	12.95	6	<1	14.0
40044153		32.3	8.68	201	5.90	2	125.5	1.1	0.54	29.4	0.9	0.19	14.85	5	<1	14.4
40044154		30.4	8.32	203	5.81	2	126.5	1.1	0.54	29.7	0.9	0.19	14.90	6	<1	14.9
40044155		24.6	6.70	240	4.77	3	102.0	1.4	0.49	23.8	1.0	0.23	15.50	5	<1	15.3
40044156		29.2	7.95	228	5.46	2	105.5	1.3	0.47	29.1	0.9	0.20	13.65	8	<1	14.7
40044157		26.4	7.28	252	5.01	3	98.8	1.7	0.52	25.5	1.1	0.24	12.95	<5	<1	15.9
40044158		29.6	8.02	254	5.49	3	104.5	1.3	0.62	28.0	1.1	0.31	9.49	5	<1	21.3
40044159		34.0	9.44	212	6.12	2	134.5	1.2	0.45	33.2	1.0	0.10	13.25	6	<1	8.8
40044160		35.6	9.86	215	6.40	2	134.0	1.1	0.48	34.1	1.0	0.11	14.30	6	<1	9.0
40044161		2.7	0.58	2.9	0.63	<1	12.8	0.1	0.10	0.48	<0.5	0.05	0.10	<5	<1	3.1
40044162		28.9	7.94	214	5.52	2	126.0	1.1	0.47	28.6	0.9	0.17	14.35	6	<1	12.2

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. -
NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method	ME-MS81	ME-MS81	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	OA-GRA05	TOT-ICP06	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
	Analyte	Yb	Zr	As	Bi	Hg	Sb	Se	Te	LOI	Total	Ag	Cd	Co	Cu	Li
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.03	20	0.1	0.01	0.005	0.05	0.2	0.01	0.01	0.01	0.5	0.5	1	1	10
40044123		1.12	180	0.6	0.10	0.007	<0.05	0.6	0.04	2.82	101.00	<0.5	<0.5	44	310	40
40044124		1.22	170	1.0	0.15	0.011	<0.05	0.6	0.06	2.91	101.68	<0.5	<0.5	41	235	40
40044125		1.23	170	0.2	0.10	0.015	<0.05	0.5	0.04	2.55	101.56	<0.5	<0.5	38	165	30
40044126		2.50	110	1.4	0.01	0.007	<0.05	0.7	0.01	1.17	98.97	<0.5	<0.5	25	26	20
40044127		1.28	170	0.9	0.10	0.008	<0.05	0.5	0.05	2.41	98.59	<0.5	<0.5	39	156	30
40044128		1.29	170	2.7	0.14	0.011	<0.05	0.6	0.09	2.50	99.59	<0.5	<0.5	40	189	30
40044129		1.33	190	0.7	0.09	0.010	<0.05	0.5	0.02	2.36	101.93	<0.5	<0.5	39	142	40
40044130		1.35	210	0.4	0.05	0.006	<0.05	0.5	0.03	2.51	100.27	<0.5	<0.5	45	142	40
40044131		1.40	210	0.4	0.05	0.009	<0.05	0.4	0.02	2.46	100.95	<0.5	<0.5	47	133	40
40044132		1.39	200	5.7	0.14	0.013	0.05	0.5	0.13	2.58	100.54	<0.5	<0.5	49	341	40
40044133		1.32	210	8.0	0.16	0.011	<0.05	0.5	0.18	2.60	99.39	<0.5	<0.5	51	385	40
40044134		1.38	200	0.7	0.07	0.006	<0.05	0.4	0.02	2.28	100.08	<0.5	<0.5	49	136	30
40044135		1.45	210	0.6	0.09	0.008	<0.05	0.4	0.04	2.14	101.78	<0.5	<0.5	51	138	40
40044136		1.42	220	0.8	0.08	<0.005	<0.05	0.5	0.03	1.74	100.24	<0.5	<0.5	54	146	40
40044137		1.39	220	1.6	0.08	0.009	<0.05	0.5	0.21	2.06	99.74	<0.5	<0.5	58	163	50
40044138		1.43	210	1.5	0.06	0.005	<0.05	0.7	0.06	2.21	101.57	<0.5	<0.5	55	150	50
40044139		1.37	210	0.5	0.04	<0.005	<0.05	0.4	0.03	2.00	99.26	<0.5	<0.5	54	164	40
40044140		0.62	30	7.6	0.92	0.010	0.27	10.0	1.90	9.09	97.52	2.3	<0.5	197	5390	20
40044141		1.41	210	1.3	0.10	0.008	<0.05	0.6	0.11	2.14	100.47	<0.5	<0.5	54	298	50
40044142		1.13	150	1.0	0.42	0.013	<0.05	2.6	0.41	2.38	100.55	0.8	<0.5	93	1995	50
40044143		1.04	160	1.8	0.81	0.026	0.05	5.1	0.74	3.52	99.82	1.4	<0.5	110	3590	80
40044144		1.09	100	1.7	0.21	<0.005	0.13	1.4	0.46	1.07	99.67	<0.5	<0.5	13	890	20
40044145		1.32	100	0.4	0.12	<0.005	<0.05	0.2	0.04	1.13	100.50	<0.5	<0.5	2	11	20
40044146		1.27	100	0.5	0.15	<0.005	<0.05	0.5	0.05	1.04	99.62	<0.5	<0.5	2	5	20
40044147		3.78	160	4.2	0.02	0.006	0.06	0.9	0.01	1.37	101.44	<0.5	<0.5	24	22	20
40044148		0.87	100	0.5	0.16	0.005	<0.05	0.2	0.04	0.92	100.74	<0.5	<0.5	1	7	20
40044149		0.84	110	0.1	0.08	<0.005	<0.05	0.2	0.02	0.72	100.46	<0.5	<0.5	1	2	20
40044150		1.03	110	0.5	0.24	0.005	<0.05	0.3	0.07	1.03	100.86	<0.5	<0.5	1	2	20
40044151		0.96	110	0.4	0.25	<0.005	<0.05	0.2	0.07	0.95	100.67	<0.5	<0.5	1	1	20
40044152		1.01	100	0.1	0.09	<0.005	<0.05	0.2	<0.01	1.01	99.91	<0.5	<0.5	1	1	30
40044153		1.03	110	<0.1	0.24	<0.005	<0.05	0.2	<0.01	0.92	100.77	<0.5	<0.5	1	1	20
40044154		1.03	100	<0.1	0.20	<0.005	<0.05	0.2	<0.01	0.94	101.63	<0.5	<0.5	1	2	20
40044155		1.32	80	<0.1	0.14	0.006	<0.05	0.2	<0.01	0.75	99.50	<0.5	<0.5	<1	1	20
40044156		1.14	120	0.4	0.17	0.036	<0.05	0.2	0.12	0.92	100.35	<0.5	<0.5	1	1	20
40044157		1.46	90	<0.1	0.09	0.008	<0.05	0.2	<0.01	0.81	100.19	<0.5	<0.5	<1	1	20
40044158		1.78	100	0.1	0.07	<0.005	<0.05	0.2	<0.01	0.97	100.64	<0.5	<0.5	1	1	30
40044159		0.61	110	0.1	0.09	0.006	<0.05	0.2	0.01	0.75	99.66	<0.5	<0.5	1	1	40
40044160		0.63	110	0.3	0.15	0.005	<0.05	0.2	0.05	0.81	100.18	<0.5	<0.5	1	1	40
40044161		0.31	30	2.3	0.08	0.008	<0.05	1.1	0.13	13.40	100.46	<0.5	<0.5	126	510	<10
40044162		1.00	110	<0.1	0.13	<0.005	<0.05	0.3	0.01	0.68	99.69	<0.5	<0.5	1	1	30

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	PGM-ICP23	PGM-ICP23	PGM-ICP23	OA-GRA08
	Analyte	Mo	Ni	Pb	Sc	Zn	Au	Pt	Pd	S.G.
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	Unity
	LOR	1	1	2	1	2	0.001	0.005	0.001	0.01
40044123		<1	76	15	22	142	0.012	0.043	0.015	2.99
40044124		<1	68	13	23	133	0.009	0.034	0.018	2.88
40044125		<1	65	17	23	212	0.008	0.030	0.017	2.94
40044126		<1	14	12	36	164	0.001	<0.005	0.001	2.93
40044127		<1	67	14	23	136	0.006	0.024	0.017	2.95
40044128		<1	70	12	23	125	0.005	0.014	0.015	2.87
40044129		<1	81	13	25	115	0.003	0.011	0.010	2.92
40044130		<1	98	13	27	129	0.003	0.009	0.009	2.97
40044131		<1	105	13	27	130	0.002	0.008	0.007	2.99
40044132		<1	113	13	27	124	0.004	0.010	0.008	3.01
40044133		1	112	13	27	125	0.004	0.009	0.007	3.00
40044134		1	123	7	28	138	0.004	0.012	0.007	3.02
40044135		<1	129	8	27	113	0.003	0.012	0.008	3.02
40044136		<1	163	9	29	101	0.004	0.015	0.010	3.05
40044137		<1	177	6	29	114	0.003	0.014	0.008	3.04
40044138		<1	173	12	28	119	0.003	0.017	0.008	3.03
40044139		<1	168	7	29	116	0.004	0.015	0.010	3.03
40044140		2	6970	19	15	79	0.153	0.397	0.241	
40044141		<1	177	8	30	108	0.006	0.033	0.025	3.04
40044142		<1	678	13	31	121	0.045	0.465	0.359	3.05
40044143		<1	957	20	31	103	0.070	0.816	0.788	3.08
40044144		2	137	15	3	8	0.033	0.251	0.219	2.59
40044145		1	8	10	3	8	0.001	<0.005	0.001	2.60
40044146		2	3	19	3	5	0.001	<0.005	<0.001	2.60
40044147		<1	10	11	29	154	0.001	<0.005	<0.001	3.04
40044148		2	1	32	3	6	0.001	<0.005	<0.001	2.60
40044149		3	3	29	3	6	0.001	<0.005	<0.001	2.60
40044150		2	3	29	3	5	0.001	<0.005	<0.001	2.59
40044151		3	2	31	3	8	<0.001	<0.005	<0.001	2.60
40044152		7	2	30	3	19	0.001	<0.005	<0.001	2.62
40044153		3	1	36	3	30	0.001	<0.005	<0.001	2.62
40044154		4	4	38	3	30	0.001	<0.005	<0.001	2.61
40044155		1	2	29	3	22	0.001	<0.005	<0.001	2.62
40044156		6	2	27	3	17	<0.001	<0.005	<0.001	2.61
40044157		1	2	31	3	23	0.001	<0.005	<0.001	2.62
40044158		<1	<1	31	3	30	<0.001	<0.005	<0.001	2.62
40044159		3	2	40	3	32	0.001	<0.005	<0.001	2.62
40044160		4	2	37	3	31	0.001	<0.005	<0.001	2.63
40044161		<1	1795	5	8	80	0.011	0.009	0.005	
40044162		4	6	39	3	29	0.001	<0.005	<0.001	2.62

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.01	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	C-IR07 C % 0.01
40044163		5.68	74.4	12.95	1.48	0.55	0.32	3.38	4.88	<0.01	0.08	0.03	<0.01	0.02	0.05	0.02
40044164		5.87	73.9	13.35	1.37	0.53	0.31	3.48	5.09	<0.01	0.08	0.03	0.03	0.01	0.05	0.04
40044165		6.12	72.9	13.05	1.62	0.44	0.54	3.22	5.30	<0.01	0.09	0.02	0.03	0.01	0.06	0.06
40044166		5.76	74.1	12.50	1.84	0.24	0.56	3.11	5.02	<0.01	0.10	0.02	0.01	0.02	0.07	0.03
40044167		4.98	73.8	13.25	1.82	0.34	0.44	3.20	5.57	<0.01	0.10	0.03	0.03	0.01	0.07	0.06
40044168		0.11	35.7	2.54	13.40	1.05	32.2	0.05	0.08	0.66	0.22	0.15	0.03	<0.01	<0.01	0.20
40044169		0.54	52.3	13.35	15.25	5.63	1.85	3.18	1.78	<0.01	1.95	0.20	0.91	0.03	0.08	0.52

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. -
NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method	S-IR08	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	S	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.01	0.5	0.5	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01	0.5	0.01	0.2
40044163		0.01	455	72.6	10	5.72	2.06	0.93	0.55	17.3	3.24	3.0	0.35	33.7	0.12	10.2
40044164		0.02	398	63.4	10	4.99	2.46	1.25	0.52	21.1	3.54	3.1	0.45	30.9	0.18	13.2
40044165		<0.01	492	84.3	10	2.95	1.86	0.80	0.66	18.2	3.60	3.4	0.31	40.9	0.10	9.1
40044166		0.01	575	98.2	10	3.17	1.90	0.85	0.78	18.3	3.85	3.7	0.31	48.0	0.12	8.5
40044167		0.01	611	102.0	10	3.37	2.07	0.96	0.72	18.6	4.05	4.1	0.35	50.5	0.13	9.3
40044168		0.33	21.2	5.1	4790	0.17	0.59	0.34	0.20	4.4	0.68	0.4	0.12	2.4	0.05	1.1
40044169		0.08	678	107.0	20	1.73	9.44	5.14	3.33	25.3	12.15	5.1	1.84	50.9	0.62	25.5

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method / Analyte / Units / LOR	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tl ppm 0.5	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5
40044163		26.8	7.27	233	4.85	3	117.0	1.4	0.42	26.1	1.0	0.13	12.80	6	<1	10.3
40044164		24.0	7.10	225	4.67	3	100.5	1.5	0.50	23.6	1.0	0.20	11.65	<5	<1	13.3
40044165		31.3	9.40	197.0	5.52	2	111.0	1.0	0.43	26.2	0.8	0.11	14.30	<5	<1	8.8
40044166		35.9	10.80	198.0	6.00	2	114.0	0.8	0.44	28.2	0.9	0.12	11.60	5	1	9.0
40044167		37.3	11.15	217	6.27	3	118.0	1.1	0.47	29.6	1.0	0.13	9.24	6	<1	10.1
40044168		2.7	0.64	2.7	0.58	<1	13.0	0.1	0.10	0.41	<0.5	0.05	0.09	<5	<1	3.3
40044169		56.3	13.60	52.0	11.45	1	249	1.7	1.74	6.45	<0.5	0.74	1.61	59	1	48.8

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. - NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method	ME-MS81	ME-MS81	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	ME-MS42	OA-GRA05	TOT-ICP06	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
	Analyte	Yb	Zr	As	Bi	Hg	Sb	Se	Te	LOI	Total	Ag	Cd	Co	Cu	Li
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.03	20	0.1	0.01	0.005	0.05	0.2	0.01	0.01	0.01	0.5	0.5	1	1	10
40044163		0.81	80	0.1	0.90	<0.005	<0.05	0.3	0.01	0.66	98.80	<0.5	<0.5	1	1	30
40044164		1.21	90	<0.1	0.25	<0.005	<0.05	0.2	0.01	0.75	98.98	<0.5	<0.5	1	2	20
40044165		0.69	110	0.1	0.11	0.005	<0.05	0.3	<0.01	0.90	98.18	<0.5	<0.5	1	1	20
40044166		0.78	120	<0.1	0.09	<0.005	<0.05	<0.2	<0.01	0.83	98.42	<0.5	<0.5	1	1	30
40044167		0.82	130	<0.1	0.12	<0.005	<0.05	<0.2	<0.01	0.86	99.52	<0.5	<0.5	1	1	30
40044168		0.30	20	2.2	0.08	0.013	<0.05	1.2	0.14	13.35	99.43	<0.5	<0.5	135	555	<10
40044169		4.21	210	1.4	0.02	0.006	<0.05	0.8	0.01	2.46	98.97	<0.5	<0.5	16	15	20

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RIO TINTO EXPLORATION CANADA INC. -
NICKEL
354-200 GRANVILLE STREET
VANCOUVER BC V6C 1S4

Finalized Date: 8-JUN-2012
Account: KAV

Project: EB80001535

CERTIFICATE OF ANALYSIS TB12115695

Sample Description	Method Analyte Units LOR	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Zn ppm 2	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	OA-GRA08 S.G. Unity 0.01
40044163		1	3	35	3	28	<0.001	<0.005	<0.001	2.62
40044164		1	6	28	3	20	<0.001	<0.005	<0.001	2.65
40044165		3	3	28	3	17	<0.001	<0.005	<0.001	2.62
40044166		2	2	28	3	21	<0.001	<0.005	<0.001	2.62
40044167		13	3	29	3	23	<0.001	<0.005	<0.001	2.62
40044168		<1	1905	2	8	85	0.011	0.006	0.005	
40044169		<1	6	10	30	150	0.001	<0.005	<0.001	2.95

Environmental Assessment and Invoice

Exploration Drilling Site Environmental Assessment
Rio Tinto Sites #11SL 0001 and #11SL 0002, Sunday Lake
February 2011

Introduction

On February 12th, 2011, Ryan Haines Consulting was contracted by Bio-Consulting of Kakabeka Falls to conduct a site visit and description of drilling sites 11SL 0001 and 11SL 0002 (Figure 1). The purpose of this assessment is to describe the physical location of the two sites, proximity to lakes or streams in the area, and to assist Bio-Consulting in the development of prescriptions for the drilling sites and access roads that will minimize offsite impacts of the drilling activities.

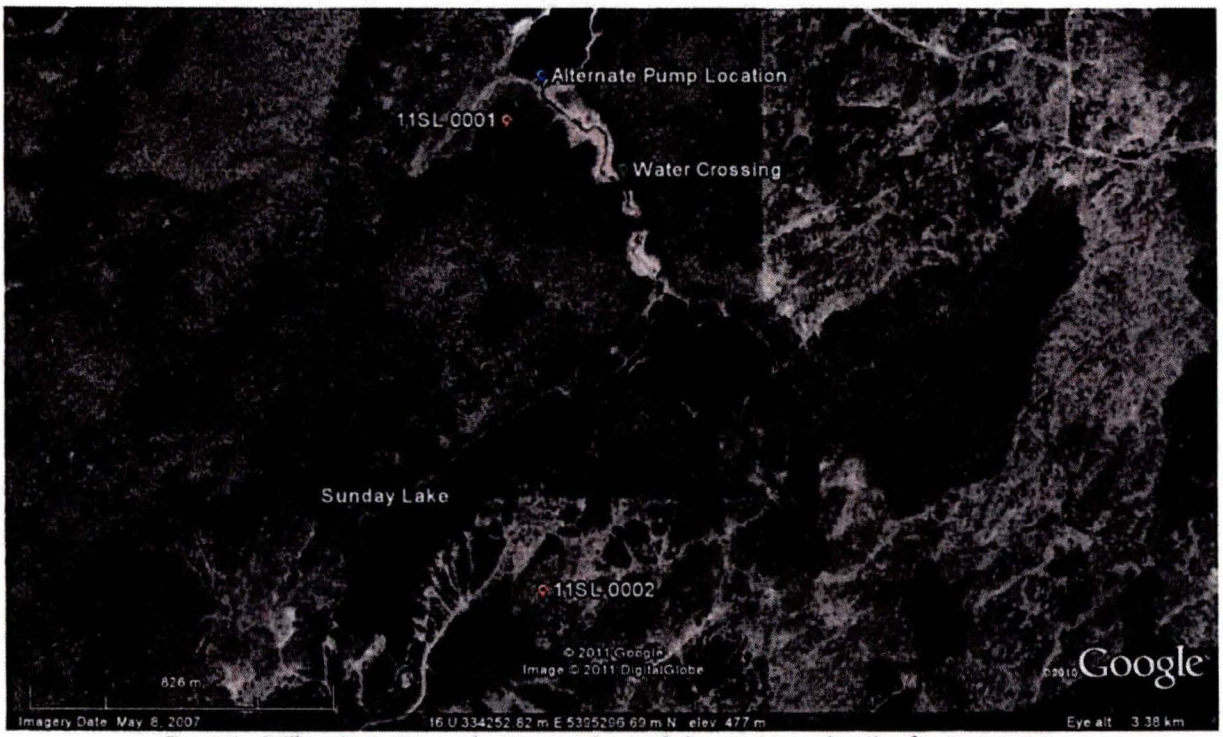


Figure 1 – Drilling sites, proposed water crossing, and alternate pump location for assessment

Site 11SL 0001

Site Description

The proposed collar site 11SL 0001 is located approximately 80 m from where the spruce stand meets the bog apron of the lake and approximately 150 m from the edge of the nearest water body (Figure 2). The site is in a flat black spruce stand/bog approximately 15 m from a transition zone to a small ridge with a mixed forest of white birch, poplar, and spruce.

Figure 2 – View from proposed pump site 11SL 0001 looking southwest towards small ridge

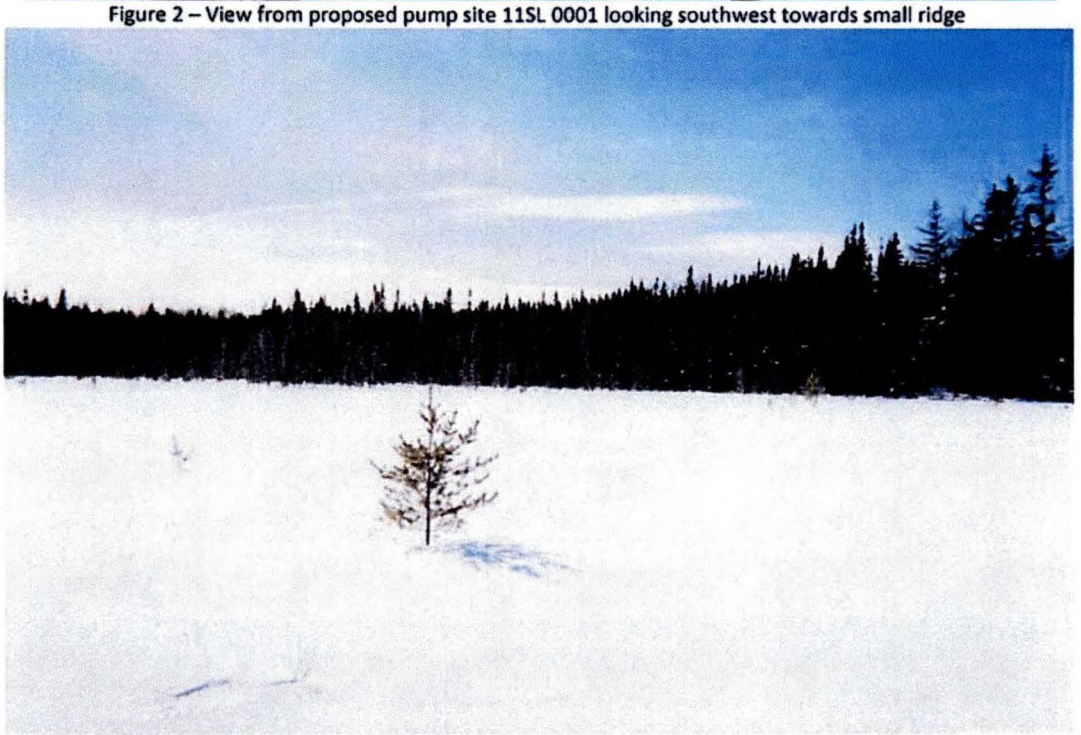


Figure 3 – View from edge of pond looking back towards proposed drilling site 11SL 0001

Site Prescription

Due to the distance from the edge of the pond (>120 m), drought conditions experienced over the past year in the area, and capacity of the spruce bog and pond apron to retain, percolate, and filter water, it

is felt that a sump is not required at this site. However, to ensure the quick and effective cleanup of any spills, it is recommended that a frozen pad be created for the drill site. To create the pad, compacted snow should be placed over the work area until there is not any evidence of moisture from the bog along the entire pad. The frozen pad should have a slight slope to the west (away from the pond) and the pad should be ringed with a snow bank to further protect from any spills leaving the drill site. Excess water and tailings from the drilling activity should be pumped to the west from the drilling site, preferably along the spruce bog and mixed forest interface. This will increase the distance of the wastewater from the pond, further increasing retention time of the wastewater. For safety purposes, it is recommended that any standing dead trees near the worksite are removed prior to commencing work.

Access Road Description

The access road to site 11SL 0001 follows old logging roads and skidder trails to less than 1 km from the site. Due to the prior use of this part of the access trail and the lack of water crossings along the route, it is felt that winter access along the proposed route that follows previously utilized trails will not result in any additional environmental impacts. The portion of the proposed new access road does have a water crossing located approximately 350 m from the proposed drill site. This water crossing is located along a small creek with a bank full width of approximately 3 m (Figure 4, 5, 6). Small amounts of running water could be heard beneath the snow and ice at the site of the proposed water crossing.

Figure 4 – View from water crossing looking upstream or south

Figure 5 – View from water crossing looking downstream or north

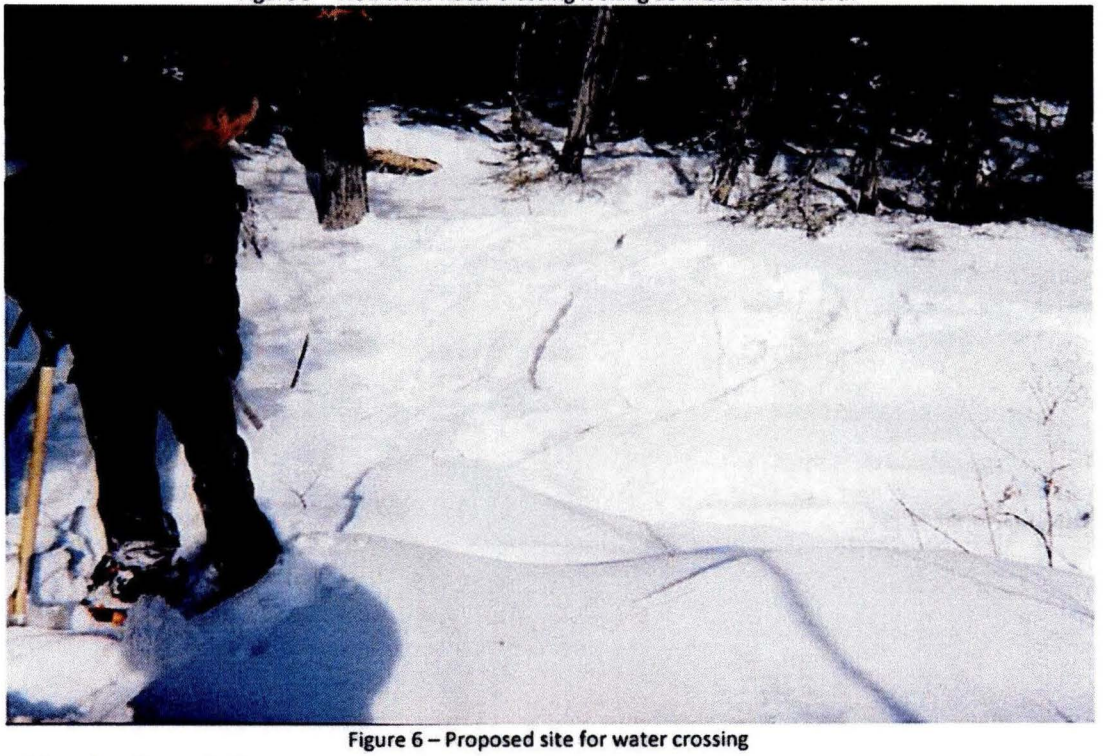


Figure 6 – Proposed site for water crossing

Water Crossing Prescription

In order to minimize disturbance to the stream bed along this water crossing, it is recommended that compacted snow be used to provide the base for the swamp mats to cross the stream. This compacted snow will provide several important functions. The use of compacted snow beneath the swamp mats

will allow heavy equipment to cross the stream without requiring removal of existing snow and ice from the area and the potential disturbance of the stream bed. Once the compacted snow is present to allow for the water crossing, the resulting "ice-dam" will provide a potential water source for the drilling operation. This dam not only provides the potential water source, but it also provides a controlled site for the pump house where any spills can be contained for clean-up. The use of snow as the base also assists in minimizing the environmental impacts of clean-up of the site, as the compacted snow can remain in place to melt with the spring freshet and not require any disturbance of the stream bed as part of site remediation.

Preferred Pump Site

In order to minimize the impact of the drilling site on the area and to enable the water downstream of the pump house to be contained, it is recommended that the pump be located immediately upstream of the water crossing. The snow base for the water crossing will provide a dam which will increase the amount of water available and allow for a retention area for effective clean up of any spills. It is recommended that the pump house be contained and a spill kit is available to the crews working around the pump house at all times.

Alternate Pump Site

While the presence of running water at the water crossing should be an indication of a sufficient water source to provide for drilling operations, there is the potential that this water source will not have the volume required. For this reason, an alternate pump site was identified for the operation. The alternate pump site is located along the channel leading in to the pond to the north of the drilling site. It is recommended that this pump site be located inside of the island to protect the bog from tearing away from the edge of the pond due to damage to the root system. The island will provide protection from wind and wave action in addition to stabilizing the bog to ensure that the root system can repair itself in its present location. In addition, it is recommended that the pump house be contained and a spill kit is available to the crews working around the pump house at all times.

Figure 7 – View from alternate pump site looking north at pond with island in the foreground

Site 11SL 0002

Site Description

Proposed drilling site 11SL 0002 is an extension of a previously existing drilling site. The access road for the drilling site was pre-existing. The clearing for the drilling site was also pre-existing and is located in a small saddle at a height of land (Figure 8). The nearest water body to the drill site is Sunday Lake at approximately 300 m. The height of land and saddle is part of a jack pine ridge with relatively sandy, porous soils (Figure 9).

Figure 8 – Existing drilling site with collar site in foreground on the left

Figure 9 – View of soils along the side of the sump

Prescription

Due to the distance from the nearest water body and relatively porous soils found at the site, it is felt that the site provides a low risk of contaminating area water bodies. However, in an effort to further reduce risk, it is recommended that the initially dug sump be expanded in order to provide for filtration for wastewater. The present sump is located off the side of the saddle away from the lake (Figure 10), so this will provide for further distance and retention time for any wastewater prior to entering any water body. However, the initial digging of the sump indicates that water was present at relatively shallow depths. Therefore, it is recommended that the sump be expanded into a long trench of a sufficient size to contain all of the wastewater. Once the wastewater has drained from the trench, it is recommended that the cuttings are scraped and concentrated into the deepest portion of the sump and covered. For safety purposes, it is recommended that any standing dead trees near the worksite are removed prior to commencing work.

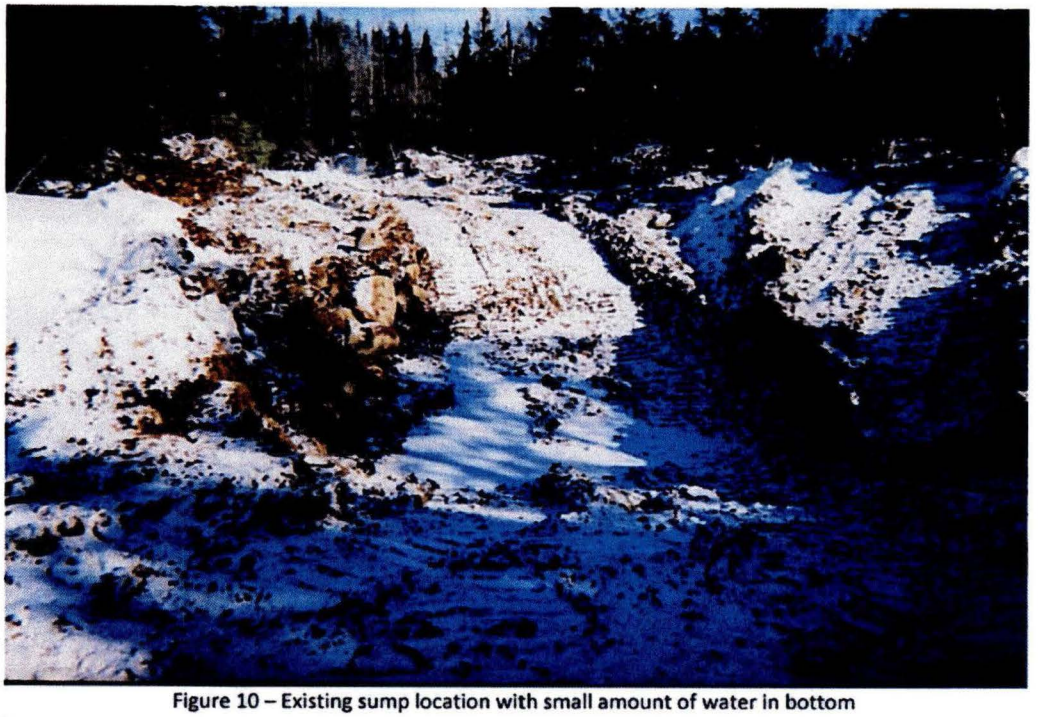


Figure 10 – Existing sump location with small amount of water in bottom

Pump Site

To obtain sufficient water for the drilling activities, the geologist were entertaining two different options. The first, and most desirable, option was to receive permission from a cottage owner to access Sunday Lake on their developed property for the pump. This option will provide minimal additional environmental impact as the pump will be accessing from and located on previously developed property. The second option was to use a truck to bring water to the site. This option also provides minimal additional environmental impact providing that the water is obtained in an environmentally sound manner.

Summary

The information collected by Ryan Haines Consulting was intended to provide Bio-Consulting with the necessary information to ensure that the environmental impacts of the exploratory drilling sites are minimized. It is recommended that Rio Tinto use this information to work closely with Bio-Consulting to ensure that best management practices are being followed and that both on and off-site impacts of the exploratory work are minimized.

Appendix 1 – GPS coordinates

Location	mE	mN	Error +/-
Proposed drill site 11SL 0001	0333985	5395975	10.1 m
Edge of spruce stand closest to drill site	0334015	5396050	6.5 m
Edge of pond closest to drill site	0334042	5396125	10.2 m
Proposed water crossing	0334301	5395824	6.6 m
Alternate pump location	0334084	5396095	8.1 m
Collar site 11SL 0002	0334038	5394657	8.3 m

BIO CONSULTING

Box 78, Kakabeka Falls
Ontario, P0T 1W0
807-473-9491 (Tel)
807-577-7829 (Fax)

January 16, 2012

John Storie
Dave Simpson

Re: Site Inspections for Sunday Lake and Escape Lake Areas, January 2012.

Induction and site inspections occurred over a three day period. On January 7th, contractor induction and an inspection of the Escape Lake access and drill location was undertaken. The access pathway is largely high ground, with only one area of new ground that needs packing for frost penetration. As the trail will be open and packed prior to drill movement onto site, there should be adequate cold weather to freeze the short length of black spruce bog for access. The drill location for Hole 12-CL0009 was pulled back off of floating bog to firm ground at 355135, N5401446.

This slight pull back to firm ground would allow a shallow sump/infiltration area to be created in porous soils. Site control should be satisfied with minimum site disturbance. Lack of cold weather and lack of frost penetration limits access to bogs and floating bogs for this season. Caution must be exercised in choosing access and drill sites.

On January 8th, 2012, a site inspection was conducted at the Sunday Lake location. The location cleared in 2009 was deemed too wet to access at this time, due to insufficient cold weather. The new location (from E334005, N5395905 to E334038, N5395850) is within the same bog complex, though farther from sensitive habitat. The depth of bog should be shallower and may freeze to adequate depth sooner. On January 11th, the second location (12SL002A/B) was abandoned as being inaccessible at this time. The conclusion being that access is limited to high ground sites at this time, until sufficient cold weather provides enough frost penetration.

On January 11th, a new location was inspected at Sunday Lake, E334749, N5395385. This site is high and dry. The site is accessed via old logging road, come trappers snow-mobile trail. Access should be via the trail from the north-east. This will minimize

shoreline disturbance to the adjacent pond area. Pump house access is available to the pond via snow mobile trail.

The drill site is on the edge of a clear cut, with drainage away from the water course and pond. A long pathway of > 130 meters will provide good site control and attenuation of any runoff from the site.

An inspection was undertaken on the Downing Drilling Company pump house. Deficiencies in maintenance, containment and housekeeping were addressed prior to drill start up. Frequent monitoring of the pump house should be undertaken to minimize risk of environmental impacts, i.e. daily.

The inability to access some sites is purely a function of warm weather. Without frost penetration, it is not feasible to access these areas with conventional means.

Should any questions arise, please do not hesitate to contact me.

Respectfully,
G. Persson