2.39105

Drilling Report on Claim No. S91249
Afton TWP, Ontario

By:

PIERRE VINCENT, P.GEOL.

NORTHERN NICKEL MINING INC

4034 MAINWAY DRIVE

BURLINGTON, ON

RECEIVED

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GEOSCIENCE ASSESSMENT OFFICE

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1. INTRODUCTION

Northern Nickel Mining Inc of Burlington, Ontario holds a number of claims under option agreement in the Township of Afton. This report covers claim no. S91249 located on the Northern Peninsula of Emerald Lake. A core drilling campaign was conducted on this claim to assess and validate previous workings and to explore for mineral showings of economic interest, namely gold.

2. LAND STATUS

The property is composed of one unit claim numbered S91249 and is owned by:

Teck Cominco Limited
600 – 200 Burrard South
Vancouver BC V6C 3L9

The property is under option to:

Northern Nickel Mining INC
4034 Mainway Dr.
Burlington, ON L7M 4B9

3. LOCATION AND ACCESS

The property is located about 75 km from the Town of Sturgeon Fall, ON, at the UTM coordinates 519750 N, 551100 E, at an elevation of 340 m (Fig.1). Access is gained from Sturgeon Fall to the village of Field, onto all weather paved road to River Valley on Hwy 805 and to Emerald Lake onto gravel road for 45 km. The property's boundary is on the western part of the northern peninsula of Emerald Lake.

Fig 1. **Location and access to the Claim S91249 (Golden Rose Mine).**

4 PREVIOUS WORKS

The property was owned by the former producing Golden Rose Mine, closed due to lack of funding, when the gold price was 340 $US per ounce. In 1987, Golden Rose produced 400 tons per day, then expanded to 600 tons per day. Emerald Bay Resources, acquired the property in late 1983 and during 1984 continued the exploration program with more surface mapping, trenching, sampling and approximately 10,000 feet of diamond drilling.

5 GEOLOGY

5.1 Regional geology

The oldest rocks in the area are metavolcanics and metasediments of Early Precambrian age. The metavolcanics range in composition from felsic to mafic and occur as both flows and pyroclastics. The mafic metavolcanics are dominantly massive flows with some intercalated pillow lavas. The felsic to intermediate metavolcanics occur as both flows and pyroclastics. The pyroclastics range from very fine grained tuffs to pyroclastic breccias with lapilli tuffs being most common. In many cases the pyroclastics are strongly deformed foliated with a schistose texture. Porphyries are common and in generally they are conformable with the volcanic stratigraphy but in places they show cross-cutting relationships, suggesting a sub-volcanic origin. Interbedded with the metavolcanics are volcaniclastic sediments and chemical sediments-Algoman-type iron formation- which are thinly laminated chert, magnetite, pyrite, and jasper. Some areas show the introduction of carbonate and in places the iron formation has been folded and severely brecciated. The iron formation on Emerald lake contains some sulphide facies, quartz-carbonate veins and coarse pyrite metacrysts with which gold mineralization is associated. The Early Precambrian formations have all been isoclinally folded and now generally trend east-west and dip steeply. The Huronian Supergroup sediments overlie the basement with the Mississagi Formation resting unconformably on the Early Precambrian metavolcanics. In turn, the Mississagi Formation is conformably overlain by the Gowganda Formation of the Cobalt Group and all units are intruded by several large gently dipping sills of Nipissing diabase that cover extensive areas (Winter, 1985).

about veins and areas of fracturing. A sulphide facies of the iron formation as well as a chert-pytite-magnetite facies is anomalous in gold. The distribution of gold values in the mineralization zones shows a significant nugget effect. Work to date suggests that the areas of alteration and gold mineralization are associated with areas of structural deformation and alteration along the crestal regions of southeasterly plunging folds within the iron formation. This control produces zones or pipe-like bodies of mineralization plunging 20° southeast. The gold bearing veins appear to have a near vertical dip on the north side of the iron formation and then to flatten to a 20° S to sub-horizontal dip towards the south (Winter, 1985).

6 CORE DRILLING

A diamond drill hole was conducted on claim S91249, from September 6 to September 9, 2008 by the contractor Levert Drilling of Sudbury, Ontario. The DDH GR-08-01A was collared at the UTM coordinate 5197235 N, 551670 E (NAD-83 datum) at an azimuth of 360° and a dip of -55°, for a planned length of 135 meters. The purpose of the drilling was to ascertain previous DDH done in the past (1985). The drill core was of caliber BTW and the attitude of the hole was monitored with a reflex shot at 65 m downhole. During the drilling of DDH GR-08-01A, the course has break through at 103 meters length, in underground abandoned workings. The core where stocked on the property site at the old dump site to be logged and sampled by the author, for Northern Nickel Mining. The samples where sent to Swastika Laboratory, in Swastika, Ontario to be assayed for gold and multi-elemental association (Fire assays and 33 ICP).

7 RESULTS

Appendix 1 shows the drill log for DDH GR-08-01A. The diamond drill hole location is showed on map and section accompanying the report, with the general geology of the encountered units. The assays are pending as of this date of report.

Essentially, the log shows the succession of typical litho-facies with the southern metavolcanics represented by 16 meters of felsic to intermediate pyroclastic lapilli tuff unit being inter-bedded with 6 meters of small unit of siliceous-magnetite banded iron formation. The felsic metavolcanics exhibit minor disseminated sulphide lenses in polycrystalline quartz amydgules at 40° to core angle (TCA), with minor chloritic slips at 20° to 40° TCA with moderate silicic-carbonate alteration. Strong to intensely altered bands of silicification-carbonatization and pyritization occur in the siliceous–magnetite BIF in microfractures overall at 60° TCA and mineralized with pyrite 3-5%. Numerous quartz-carbonate veins cross-cuts the units with strong pervasive silicic-carbonate-pyrite alteration in strong chloritic slip-fault structures. The jasper magnetic iron formation occurs at around 30 m downhole with a succession of laminated interbeds of chert-red jasper and magnetite about 0.1 mm thick with minor amount of hematite. Laminations are locally grouped into thicker beds 2.5 to 3.5 mm, up to 7.5 mm thick at 40 to 50 ° TCA. The jasper magnetic iron formation is strongly deformed, microbrecciated and fractured with numerous chloritic quart-carbonate veins and stringers mineralized with pyritic metacrysts 5-10%. This unit composes the core of the iron formation and is cross-cut by a porphyry dike, of albitized porphyries, strongly altered sericitic and fractured with minor mineralized quartz veins with disseminated pyrite from 60 to 70 meters downhole. The end of hole occurs at 103 meters in jasper magnetite BIF where the course of the hole was interrupted by a break-through into old unchartered drifts and underground workings.

8 DISCUSSION

The examination of the core has revealed the persistence of large brecciated zones intensely altered in silicic-carbonate-pyritic bands with large pyrite metacrysts forming masses and lenses along microfractures and strong chloritic-quartz-carbonate structures. The iron formation is composed of various units commonly microbrecciated and fractured, infilled with numerous quartz-carbonate stringers mostly pyritized 5 to 7 %, accompanied by intense pervasive alteration zones, regarded as of potentially gold bearing of economic values.

9 RECOMMENDATION

The drill hole was originally planned to intersect most of the known litho-facies with a length of 135 meters. The DDH GR-08-01A hole has intersected 76% of its planned course with a length of 103 meters interrupted, by a break-trough in old underground workings. It would be of economic interest to re-evaluate the planning of future holes in regard with the known available documentation to better ascertain the underground workings. In fact most of the drifting and stopping where carried out in the 1983-1987 period with further mine development along gold ore bodies, following drilling. It is suspected that important gold resources are to be encountered at further depth. Since assays are pending at this date of report, we can not estimate at this point the value continuity of gold mineralized occurrences until all the assays results are known.

10 REFERENCES

Winter, L. D. S., (1985). Geological Report on the New Golden Rose Property Afton & Scholes townships, Ontario, for Emarald Lake Resources Inc.

APPENDIX 1

Diamond Drill record:

Northern Nickel Mining

DDH GR-08-01A

GR-08-01A

NORTHERN NICKEL MINING
DRILL LOG SHEET

DDH No.	GR-08-01A	**LOCALISATION**	EMERALD LAKE
LOGGED BY	P. VINCENT		AFTON TWP
DATE LOG	SEP-10-08	**LINE**	

COLLAR

AZIMUTH	DIP	UTM	NORTHING	EASTING		HOLE EOH
		NAD-83	5197235	551670		103 m
0	-55	ZONE 17				

SAMPLING

LABORATORY		FROM	TO	# SAMPLES		# STANDARD	# BLANKS
		50964	51050	86			
SWASTIKA		52001	52100	99		0	4
			TOTAL	185			

DRILLING

START DATE	COMPLETION		SHIFT / DAY			LAST BOX CORE LENGTH	
SEP-06-08	SEP-09-08		2				
# BOX	CORE		CONTRACTORS			m / BOX	RECOVERY
25	BTW		LEVERT DRILLING			0.4	0.95

HOLE SURVEY

EQUIPMENT	DATE	LENGTH	BACK	AZIMUTH	DIP
FLEXIT	SEP-07-08	65	6 m	23.9	-50.4

REMARK Break through at 103 m in underground abandonned workings (drifts)

GR-08-01A

NORTHERN NICKEL MINING
DRILL LOG SHEET

FROM	TO	DESCRIPTION
0	2	Casing In solid bedrock Felsic metavolcanics
2	6.1	Southern metavolcanics of felsic to intermediary Tuff & pyroclastic flows, mostly lapilli (5 mm to 30 mm) size. Rhyodacite to andesite. Minor disseminated sulphide lenses in polycrystalline quartz amygdules @ 40 deg TCA. Minor Chloritic slips @ 20 to 40 deg TCA with moderate to strong silicic- carbonate alteration.
6.1	11.5	Siliceous Magnetic Banded Iron Formation (BIF). Alternating beds of silica (60-70%) and magnetite (30-40%) Pyritized in thin beds between the silica and magnetite (1 to 10%). Minor Chloritic beds with jasper-magnetite BIF. Locally intensely microfractured and microbrecciated and slumped. Strongly altered Sil + Carb + Py with microfractures @ 60 deg TCA, and mineralized with pyrite 3-5%.
11.5	18.1	Southern metavolcanics of felsic to intermediary Tuff & pyroclastic flows, mostly lapilli 5 -30 mm size Rhyolitic to andesitic (trachyte). Minor Chloritic slips @ 20 to 40 deg TCA with moderate to strong silicic-carbonate.
		From **To** **Length m**
		17.12 17.16 0.04 Strong Chloritic Flt @ 30 deg TCA with silicic-carbonate alteration
18.1	27	Siliceous Magnetic Banded Iron Formation (BIF). As before
		From **To** **Length m**
		24.8 25 0.2 Quartz-Carbonate Vein @ 70 deg TCA with Chunks of Py 3-5%
		25 25.5 0.5 Vuggy brecciated with Py disseminated 5-7%
27	61.1	Jasper magnetic BIF composed of laminated interbeds of chert-red jasper and magnetite about 0.1 mm thick with minor amount of hematite. Laminations locally grouped into thicker beds 2.5 to 3.5 mm (7.5 mm max.) thick 40 to 50 deg TCA. Strongly deformed, microbrecciated and fractured with chloritic QCarbV + Py 5-7%
		From **To** **Length m**
		27.65 28 0.35 Strong Chloritic FLT @ 20 deg TCA with Quartz-Carbonate vein
		33.72 33.92 0.2 Strong Chloritic FLT @ 5 deg TCA with vuggy QcarbV with Py 5 mm
		39.1 39.2 0.1 Quartz-Carbonate Vein @ 10 deg TCA
		39.4 39.41 0.01 Intensely altered Carb-Sil-Py-Se
		39.81 39.9 0.09 Quartz-Carbonate Vein @ 90 deg TCA , 1-3 % Py
		45.15 45.35 0.2 Quartz-Carbonate Vein @ 15 deg TCA, massive Py 0.5 cm
		46.45 46.8 0.35 Intensely altered bleached, Carb-Sil-Se with 10% Py
		47.58 47.63 0.05 Quartz-Varbonate Vein @ 70 deg TCA with Py 1-3%

GR-08-01A

NORTHERN NICKEL MINING
DRILL LOG SAMPLES

SAMPLE #	FROM	TO	LENGTH m	SAMPLE #	Au g/tonne	Au Check g/tonne	Multi Elements
50964	5	5.5	0.5		ASSAYS	PENDING	
50965	5.5	6.1	0.6				
50966	6.1	6.7	0.6				
50967	6.7	7.45	0.75				
50968	7.45	8	0.55				
50969	8	8.3	0.3				
50970	8.3	8.85	0.55				
50971	8.85	9.3	0.45				
50972	9.3	9.8	0.5				
50973	9.8	10.35	0.55				
50974	10.35	11	0.65				
50975	11	11.5	0.5				
50976	11.5	12.5	1				
50977	12.5	13.15	0.65				
50978	17	17.35	0.35				
50979	17.35	18.1	0.75				
50980	18.1		BLANK				
50981	18.1	18.8	0.7				
50982	18.8	19.3	0.5				
50983	19.3	19.5	0.2				
50984	19.5	20	0.5				
50985	20	20.5	0.5				
50986	20.5	21	0.5				
50987	21	21.5	0.5				
50988	21.5	22	0.5				
50989	22	22.5	0.5				
50990	22.5	23	0.5				
50991	23	23.5	0.5				
50992	23.5	24	0.5				
50993	24	24.5	0.5				
50994	24.5	24.8	0.3				
50995	24.8	25	0.2				
50996	25	25.5	0.5				
50997	25.5	26	0.5				
50998	26	26.4	0.4				

NORTHERN NICKEL MINING
DRILL LOG SAMPLES

SAMPLE #	FROM	TO	LENGTH m	SAMPLE #	Au g/tonne	Au Check g/tonne	Multi Elements
50999	26.4	27	0.6		ASSAYS	PENDING	
51000	27		BLANK				
51001	27	27.5	0.5				
51002	27.5	28.2	0.7				
51003	28.2	28.6	0.4				
51004	28.6	29	0.4				
51005	29	29.5	0.5				
51006	29.5	30	0.5				
51007	30	30.3	0.3				
51008	30.3	30.8	0.5				
51009	30.8	31.5	0.7				
51010	31.5	32	0.5				
51011	32	32.5	0.5				
51012	32.5	33	0.5				
51013	33	33.65	0.65				
51014	33.65	34.1	0.45				
51015	34.1	35	0.9				
51016	35	36	1				
51017	36	36.5	0.5				
51018	36.5	37	0.5				
51019	37	37.5	0.5				
51020	37.5	38	0.5				
51021	38	38.5	0.5				
51022	38.5	39	0.5				
51023	39	39.5	0.5				
51024	39.5	39.8	0.3				
51025	39.8	39.1	-0.7				
51026	39.1	40.8	1.7				
51027	40.8	41.3	0.5				
51028	41.3	42	0.7				
51029	42	42.5	0.5				
51030	42.5	43	0.5				
51031	43	43.5	0.5				
51032	43.5	44	0.5				
51033	44	44.5	0.5				

NORTHERN NICKEL MINING
DRILL LOG SAMPLES

SAMPLE #	FROM	TO	LENGTH m	SAMPLE #	Au g/tonne	Au Check g/tonne	Multi Elements
51034	44.5	45	0.5		ASSAYS	PENDING	
51035	45	45.6	0.6				
51036	45.6	46	0.4				
51037	46	46.5	0.5				
51038	46.5	47	0.5				
51039	47	47.5	0.5				
51040	47.5	48	0.5				
51041	48	48.5	0.5				
51042	48.5	49	0.5				
51043	49	49.5	0.5				
51044	49.5	50	0.5				
51045	50	50.5	0.5				
51046	50.5	51	0.5				
51047	51	51.5	0.5				
51048	51.5	51.8	0.3				
51049	51.8	52.5	0.7				
51050	52.5	53	0.5				
52001	53	53.5	0.5				
52002	53.5	54	0.5				
52003	54	54.5	0.5				
52004	54.5	55	0.5				
52005	55	55.5	0.5				
52006	55.5	56	0.5				
52007	56	56.5	0.5				
52008	56.5	57	0.5				
52009	57	57.5	0.5				
52010	57.5	58	0.5				
52011	58	58.5	0.5				
52012	58.5	59	0.5				
52013	59	59.5	0.5				
52014	59.5	60	0.5				
52015	60	60.3	0.3				
52016	60.3	60.8	0.5				
52017	60.8	61	0.2				
52018	61	61.5	0.5				

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NORTHERN NICKEL MINING
DRILL LOG SAMPLES

SAMPLE #	FROM	TO	LENGTH m	SAMPLE #	Au g/tonne	Au Check g/tonne	Multi Elements
52019	61.5	62	0.5		ASSAYS	PENDING	
52020	62		BLANK				
52021	62	62.5	0.5				
52022	62.5	63	0.5				
52023	63	63.5	0.5				
52024	63.5	64	0.5				
52025	64	64.5	0.5				
52026	64.5	65	0.5				
52027	65	65.5	0.5				
52028	65.5	66	0.5				
52029	66	66.5	0.5				
52030	66.5	67	0.5				
52031	67	67.5	0.5				
52032	67.5	68	0.5				
52033	68	68.5	0.5				
52034	68.5	69	0.5				
52035	69	69.5	0.5				
52036	69.5	70	0.5				
52037	70	70.5	0.5				
52038	70.5	71	0.5				
52039	71	71.4	0.4				
52040	71.4		BLANK				
52041	71.4	71.9	0.5				
52042	71.9	72.5	0.6				
52043	72.5	73	0.5				
52044	73	73.5	0.5				
52045	73.5	74	0.5				
52046	74	74.5	0.5				
52047	74.5	75	0.5				
52048	75	75.5	0.5				
52049	75.5	76	0.5				
52050	76	76.5	0.5				
52051	76.5	77	0.5				
52052	77	77.5	0.5				
52053	77.5	78	0.5				

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NORTHERN NICKEL MINING
DRILL LOG SAMPLES

ASSAYS PENDING

SAMPLE #	FROM	TO	LENGTH m
52089	97	97.5	0.5
52090	97.5	98	0.5
52091	98	98.5	0.5
52092	98.5	99	0.5
52093	99	99.5	0.5
52094	99.5	100	0.5
52095	100	100.5	0.5
52096	100.5	101	0.5
52097	101	101.5	0.5
52098	101.5	102	0.5
52099	102	102.5	0.5
52100	102.5	103	0.5
LAST			

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

NORTHERN NICKEL MINING INC.
Attention: Pierre Vincent
Project: EMERALD LAKE
Sample type: pulp

Report No : 8W2796RJ
Date : Nov-12-08

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
50964	0.3	1.31	28	192	<0.5	<5	2.13	<1	39	120	38	4.24	<1	0.34	10	1.12	1008	9	0.02	33	1337	9	0.48	6	2	24	<5	0.05	<10	<10	19	<10	100	15
50965	<0.2	1.19	11	67	<0.5	<5	0.72	<1	13	27	47	3.21	<1	0.28	11	0.72	290	7	0.01	37	1701	11	0.25	<5	1	5	<5	0.04	<10	<10	17	<10	46	15
50966	0.3	0.25	12	27	0.8	6	2.23	<1	17	177	318	>15.00	<1	0.01	<10	0.84	877	<2	<0.01	6	603	24	1.88	29	<1	28	<5	0.01	<10	21	29	30	22	10
50967	<0.2	0.81	<5	31	1.1	8	1.56	<1	15	86	282	>15.00	<1	0.01	<10	1.01	783	<2	0.01	2	848	31	1.24	34	<1	19	<5	0.01	<10	24	34	33	42	13
50968	<0.2	0.95	25	32	0.6	8	1.50	<1	12	132	420	>15.00	<1	0.02	<10	1.04	786	<2	0.01	3	814	31	0.84	36	1	24	<5	0.01	<10	23	35	23	49	15
50969	0.2	0.25	79	23	<0.5	<5	1.77	<1	21	154	822	>15.00	<1	0.01	<10	0.85	560	<2	0.01	1	550	24	1.52	33	<1	13	<5	<0.01	<10	20	26	14	21	10
50970	1.6	0.37	194	19	<0.5	<5	2.82	1	104	108	5050	13.39	<1	0.01	<10	1.26	980	<2	<0.01	11	665	28	>5.00	18	<1	23	<5	<0.01	<10	16	18	<10	28	7
50971	1.3	0.17	88	20	<0.5	<5	2.35	<1	158	162	2503	14.34	<1	0.02	<10	0.87	837	<2	<0.01	21	825	21	>5.00	20	<1	17	<5	<0.01	<10	17	19	<10	19	8
50972	<0.2	0.03	<5	31	0.5	8	0.98	<1	11	180	724	>15.00	<1	0.02	<10	0.42	329	<2	<0.01	<1	246	34	0.30	41	<1	8	<5	<0.01	<10	28	33	30	12	14
50973	<0.2	0.07	<5	31	1.1	11	2.23	<1	12	156	134	>15.00	<1	0.02	<10	0.78	815	<2	<0.01	<1	994	28	0.41	37	<1	24	<5	<0.01	<10	29	24	32	20	13
50974	<0.2	0.12	<5	35	2.0	12	2.55	<1	6	131	64	>15.00	<1	0.03	<10	0.92	771	<2	0.01	<1	1000	30	0.23	38	<1	28	<5	0.01	<10	30	27	83	23	15
50975	<0.2	0.95	<5	77	1.4	7	1.17	<1	8	113	8	>15.00	<1	0.24	<10	0.85	333	<2	0.01	<1	773	22	0.54	23	<1	9	<5	0.01	<10	14	16	23	44	14
50976	<0.2	1.10	<5	77	0.8	5	0.91	<1	10	82	7	12.80	<1	0.25	<10	0.86	297	<2	0.01	1	564	17	0.87	16	<1	6	<5	<0.01	<10	10	10	30	47	13
50977	0.2	0.68	<5	84	<0.5	<5	0.34	<1	3	117	24	1.50	<1	0.32	<10	0.30	242	<2	0.01	4	470	4	0.17	<5	<1	5	<5	<0.01	<10	<10	1	<10	19	9
50978	<0.2	1.72	<5	52	<0.5	<5	0.19	<1	6	75	9	3.66	<1	0.25	<10	1.37	249	<2	<0.01	5	435	13	0.02	6	<1	4	<5	<0.01	<10	<10	6	<10	59	9
50979	<0.2	1.77	<5	43	<0.5	<5	0.34	<1	8	78	1	3.50	<1	0.22	<10	1.70	300	<2	0.01	8	450	13	0.03	7	<1	6	<5	<0.01	<10	<10	8	<10	61	10
50980	<0.2	1.60	6	23	<0.5	<5	0.44	<1	9	130	9	4.95	<1	0.07	35	0.67	638	<2	0.04	5	929	16	0.01	8	9	4	19	0.05	<10	<10	15	<10	58	26
50981	<0.2	0.13	<5	353	1.1	8	3.98	<1	20	134	498	>15.00	<1	0.03	<10	1.89	865	<2	0.01	<1	694	28	0.72	33	<1	137	<5	<0.01	<10	26	25	80	28	13
50982	<0.2	0.06	<5	121	1.3	12	2.64	<1	12	209	37	>15.00	<1	0.01	<10	1.13	653	<2	0.01	<1	642	31	0.52	40	<1	45	<5	<0.01	<10	31	28	218	31	15
50983	<0.2	0.06	<5	276	2.4	12	2.17	<1	23	170	60	>15.00	<1	0.02	<10	0.94	561	<2	0.01	<1	606	36	0.69	42	<1	45	<5	<0.01	<10	31	34	277	33	16
50984	<0.2	0.08	<5	120	1.1	9	1.55	<1	14	131	220	>15.00	<1	0.01	<10	0.64	420	<2	0.01	<1	684	32	0.30	39	<1	24	<5	<0.01	<10	28	29	285	29	15
50985	<0.2	0.05	<5	107	1.1	9	1.48	<1	10	66	26	>15.00	<1	0.01	<10	0.48	425	<2	0.01	<1	489	29	0.28	34	<1	16	<5	<0.01	<10	25	26	157	26	14
50986	0.4	0.06	<5	77	1.1	35	1.61	3	5	159	63	>15.00	<1	0.01	<10	0.66	490	<2	0.01	4	817	22	0.15	5	<1	19	<5	<0.01	<10	98	6	55	19	18
50987	0.5	0.05	<5	29	1.4	44	1.43	4	6	134	2	>15.00	<1	0.01	<10	0.46	437	<2	0.01	2	1030	31	0.16	<5	<1	16	5	<0.01	10	129	8	114	14	23
50988	0.4	0.03	<5	46	1.2	41	1.67	4	5	135	3	>15.00	<1	0.01	<10	0.74	576	<2	0.01	3	1066	22	0.11	7	<1	23	7	<0.01	<10	130	7	45	18	19
50989	0.3	0.03	<5	68	1.0	40	1.71	4	5	126	18	>15.00	<1	0.01	<10	0.74	630	<2	0.01	2	857	30	0.15	6	<1	26	7	<0.01	<10	134	9	53	21	20
50990	0.4	0.04	<5	90	0.5	30	1.19	3	5	109	2	>15.00	<1	0.01	<10	0.44	461	<2	0.01	3	710	24	0.04	7	<1	18	<5	<0.01	<10	84	12	190	17	15
51033	0.3	0.23	<5	51	0.9	37	1.43	4	6	66	5	>15.00	<1	0.02	<10	0.47	624	<2	0.01	2	706	26	0.83	<5	<1	14	7	<0.01	<10	132	9	89	23	20
51034	0.3	0.45	9	108	<0.5	30	1.12	3	6	105	27	>15.00	<1	0.05	<10	0.70	482	<2	0.01	5	783	24	2.33	<5	<1	14	<5	0.01	<10	77	15	93	26	14
51035	0.8	0.33	40	25	<0.5	23	1.74	4	13	124	111	>15.00	<1	0.06	<10	0.47	564	<2	0.02	12	690	17	>5.00	<5	<1	16	<5	0.01	<10	61	14	33	16	13

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

Signed: _____

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

NORTHERN NICKEL MINING INC.
Attention: Pierre Vincent
Project: EMERALD LAKE
Sample type: pulp

Report No : 8W2797RJ
Date : Nov-13-08

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
51086	1.9	0.04	70	13	<0.5	20	1.12	4	4	96	44	>15.00	<1	<0.01	<10	0.77	1227	<2	0.01	11	379	16	3.45	<5	<1	8	<5	<0.01	<10	66	6	<10	18	10
51087	0.4	0.03	12	13	<0.5	17	1.58	2	3	16	8	12.90	<1	0.01	<10	0.62	1135	<2	0.01	2	416	11	1.66	<5	<1	20	<5	<0.01	<10	55	7	13	8	9
51088	0.7	0.12	13	<10	<0.5	7	4.02	1	2	72	5	6.37	<1	0.02	<10	1.43	2401	<2	0.01	3	406	<2	0.79	<5	<1	54	<5	<0.01	<10	32	3	<10	12	4
51089	0.9	0.05	60	11	<0.5	16	1.27	3	4	93	138	12.46	<1	0.01	<10	0.65	1281	<2	0.01	3	649	12	3.38	<5	<1	11	<5	<0.01	<10	55	10	46	11	8
51090	<0.2	0.75	<5	13	<0.5	<5	0.29	<1	5	15	6	2.19	<1	0.05	15	0.35	337	<2	0.03	4	504	7	0.01	<5	4	5	10	0.03	<10	<10	8	<10	28	11
51091	1.7	0.03	303	14	<0.5	20	2.34	11	4	13	664	14.47	<1	<0.01	<10	1.12	2096	<2	0.01	3	1059	17	>5.00	<5	<1	29	5	<0.01	<10	84	2	<10	10	11
51092	1.4	0.05	340	14	<0.5	19	1.42	12	6	45	742	>15.00	<1	<0.01	<10	0.69	1280	<2	0.01	5	629	18	>5.00	<5	<1	10	5	<0.01	<10	87	3	<10	21	12
51093	1.3	0.03	114	20	<0.5	30	1.53	6	6	6	186	>15.00	<1	0.01	<10	0.91	1833	<2	0.01	1	766	25	4.99	<5	<1	14	6	<0.01	<10	109	22	217	24	15
51094	1.8	0.02	450	16	<0.5	75	1.26	15	11	72	93	>15.00	<1	<0.01	<10	0.59	1128	<2	0.01	5	729	20	>5.00	<5	<1	11	5	<0.01	<10	93	3	<10	13	13
51095	0.6	0.04	18	15	<0.5	20	1.44	2	3	17	4	>15.00	<1	0.01	<10	0.60	1255	15	0.01	1	562	15	2.45	5	<1	27	<5	<0.01	<10	63	8	16	6	10
51096	0.5	0.04	13	23	0.6	34	0.90	4	4	68	<1	>15.00	<1	0.01	<10	0.40	899	<2	0.01	1	1044	26	2.34	10	<1	23	6	<0.01	<10	122	11	66	3	18
51097	0.5	0.03	9	30	0.8	42	0.39	4	5	12	7	>15.00	<1	0.01	<10	0.24	526	<2	0.01	<1	1044	35	0.68	<5	<1	11	8	<0.01	<10	141	13	188	11	21
51098	0.3	0.06	8	18	<0.5	22	0.30	2	4	72	<1	>15.00	<1	0.01	<10	0.26	617	<2	0.01	1	584	19	1.16	<5	<1	8	5	<0.01	<10	89	14	134	7	12
51201	0.5	0.06	11	19	<0.5	19	1.39	2	3	21	4	14.36	<1	0.01	<10	0.54	967	<2	0.01	1	453	11	0.87	<5	<1	20	<5	<0.01	<10	62	9	<10	8	10
51202	0.7	0.06	21	30	1.1	39	0.70	4	5	134	10	>15.00	<1	0.02	<10	0.47	1111	<2	0.01	2	876	35	2.01	7	<1	12	7	<0.01	<10	137	18	73	17	20
51203	4.4	0.02	136	13	<0.5	23	0.83	6	8	19	183	14.57	<1	<0.01	<10	0.32	536	<2	0.01	5	572	41	>5.00	<5	<1	7	<5	<0.01	<10	64	3	<10	4	11
51204	0.6	0.04	12	31	1.0	41	0.44	4	6	39	15	>15.00	<1	0.01	<10	0.34	854	<2	0.01	<1	1077	35	1.27	<5	<1	9	7	<0.01	<10	141	17	162	18	21
51080	0.4	0.06	7	22	0.7	28	1.11	3	4	21	<1	>15.00	<1	<0.01	<10	0.46	779	<2	0.01	<1	1426	22	0.82	7	<1	22	5	<0.01	<10	102	6	25	11	14
51081	0.9	0.02	46	13	<0.5	19	1.17	3	4	48	26	14.06	<1	<0.01	<10	0.57	987	<2	0.01	2	876	14	2.87	<5	<1	12	<5	<0.01	<10	63	10	11	14	10
51082	0.5	0.04	18	17	<0.5	23	1.20	3	4	14	16	>15.00	<1	0.01	<10	0.56	966	<2	0.01	1	761	19	2.21	<5	<1	16	5	<0.01	<10	86	7	<10	18	12
51083	10.8	0.07	105	25	<0.5	39	1.22	6	8	115	4	>15.00	<1	0.01	<10	0.97	1723	<2	0.01	2	745	47	>5.00	<5	<1	12	7	<0.01	<10	128	16	53	37	18
51084	0.6	0.04	25	14	<0.5	19	1.02	3	3	29	22	14.14	<1	<0.01	<10	0.49	959	<2	0.01	2	393	14	2.93	<5	<1	13	<5	<0.01	<10	61	7	<10	12	10
51085	3.9	0.03	168	13	<0.5	16	2.23	6	8	61	35	>15.00	<1	<0.01	<10	0.90	1530	<2	0.01	<1	682	17	>5.00	<5	<1	28	<5	<0.01	<10	36	4	<10	18	9
52041	0.4	0.04	8	39	1.3	16	2.17	3	5	15	35	>15.00	<1	0.01	<10	0.85	888	<2	0.01	<1	789	15	1.06	<5	<1	45	<5	<0.01	<10	40	5	17	15	10
52042	1.1	0.04	16	56	1.5	20	1.76	3	5	53	20	>15.00	<1	<0.01	<10	0.72	812	<2	0.01	<1	871	27	2.52	<5	<1	36	<5	<0.01	<10	47	4	28	19	12
52048	0.4	0.06	8	55	0.5	19	2.29	3	9	19	104	>15.00	<1	0.02	<10	1.20	893	26	0.03	4	691	18	1.70	<5	2	102	<5	<0.01	<10	41	19	93	53	15
52049	0.2	0.07	<5	46	1.6	23	2.40	3	8	42	43	>15.00	<1	0.02	<10	1.12	932	<2	0.02	2	1411	24	2.51	<5	1	137	<5	<0.01	<10	55	13	17	42	17
52050	0.2	0.03	<5	159	1.0	24	1.27	4	6	17	17	>15.00	<1	0.01	<10	0.52	618	<2	0.01	<1	1047	23	1.02	<5	<1	68	<5	<0.01	<10	60	10	21	24	15
52081	0.3	0.03	<5	221	0.9	25	0.61	4	5	124	23	>15.00	<1	<0.01	<10	0.25	409	<2	0.01	<1	952	28	1.23	<5	<1	78	<5	<0.01	<10	60	26	23	11	15
52082	2.2	0.02	45	25	<0.5	12	1.26	3	4	17	640	14.52	<1	<0.01	<10	0.51	651	<2	0.01	<1	591	13	>5.00	<5	<1	95	<5	<0.01	<10	34	7	<10	6	8

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

Signed: _____

Assayers Canada
8282 Sherbrooke St., Vancouver, B.C., V5X 4R6
Tel: (604) 327-3436 Fax: (604) 327-3423

NORTHERN NICKEL MINING INC.
Attention: Pierre Vincent
Project: EMERALD LAKE
Sample type: pulp

Report No : 8W2796RJ
Date : Nov-12-08

Multi-Element ICP-AES Analysis

Aqua Regia Digestion

Sample Number	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
51036	0.4	0.50	16	50	<0.5	19	3.01	2	10	137	53	13.93	<1	0.10	<10	0.76	811	<2	0.02	11	401	13	>5.00	<5	1	25	<5	0.02	<10	42	21	15	23	11
51037	0.3	0.19	7	79	<0.5	34	1.44	3	7	116	6	>15.00	<1	0.06	<10	0.35	522	<2	0.01	5	493	25	1.77	<5	<1	14	6	0.01	<10	113	14	96	22	18
51038	0.5	0.50	24	48	<0.5	35	1.89	4	11	141	31	>15.00	<1	0.12	<10	0.82	746	<2	0.01	6	362	28	3.64	<5	<1	17	6	0.02	<10	105	14	78	25	19
51039	0.3	0.12	6	27	<0.5	26	2.10	3	4	144	6	>15.00	<1	0.02	<10	0.31	620	<2	0.01	4	918	13	0.60	5	<1	16	<5	<0.01	<10	65	7	54	10	13
51040	0.3	0.33	10	36	0.5	34	1.95	3	8	125	5	>15.00	<1	0.02	<10	0.63	675	3	0.01	5	880	27	2.01	<5	<1	16	6	0.01	<10	111	13	94	17	17
51051	0.3	0.09	17	33	0.5	36	0.17	4	5	78	28	>15.00	<1	0.01	<10	0.17	531	<2	0.01	1	878	33	1.38	6	<1	6	7	<0.01	<10	126	23	91	12	19
51052	2.3	0.60	51	38	<0.5	28	0.21	4	7	95	498	>15.00	<1	0.01	<10	0.54	1139	2	0.01	4	1036	85	>5.00	16	<1	5	6	0.01	<10	103	31	11	33	17
51053	0.6	0.03	59	11	<0.5	11	0.07	3	4	70	250	10.63	<1	<0.01	<10	0.13	374	<2	<0.01	5	344	29	>5.00	5	<1	2	<5	<0.01	<10	46	4	<10	14	7
51054	0.9	0.03	35	24	<0.5	34	0.20	4	4	113	58	>15.00	<1	0.01	<10	0.23	834	<2	0.01	3	966	26	2.16	<5	<1	5	<5	<0.01	<10	97	24	36	16	17
51055	1.0	0.07	25	34	<0.5	38	0.34	4	6	104	53	>15.00	<1	0.01	<10	0.34	975	<2	0.01	2	888	31	2.22	<5	<1	9	<5	<0.01	<10	115	32	266	23	20
51056	0.6	0.03	19	35	0.8	44	0.16	5	6	128	32	>15.00	<1	0.01	<10	0.18	575	<2	0.01	2	819	36	1.67	6	<1	5	5	<0.01	12	129	27	77	16	22
51057	1.5	0.03	99	31	<0.5	42	0.33	7	6	71	132	>15.00	<1	0.01	<10	0.28	722	<2	0.01	2	1516	37	>5.00	<5	<1	8	<5	<0.01	11	127	37	24	24	22
51058	0.5	0.52	5	24	1.0	38	0.48	4	8	70	10	>15.00	<1	0.01	<10	0.57	444	<2	0.01	4	1993	29	0.70	5	<1	12	6	0.01	<10	114	29	13	22	20
51061	0.5	0.35	9	22	1.1	34	0.29	4	7	134	8	>15.00	<1	0.01	<10	0.37	439	<2	0.01	5	983	29	0.70	8	<1	8	<5	<0.01	<10	102	27	19	20	18
51062	0.5	0.22	12	14	<0.5	18	0.29	3	6	159	12	>15.00	<1	<0.01	<10	0.51	769	<2	0.01	4	993	17	1.33	5	<1	6	<5	<0.01	<10	53	23	10	22	11
51063	0.3	0.33	20	10	<0.5	14	0.10	2	5	339	4	12.73	<1	<0.01	<10	0.69	1098	7	0.01	6	263	14	1.16	<5	<1	1	<5	<0.01	<10	34	13	<10	32	8
51064	0.6	0.21	10	15	0.8	20	0.63	3	6	125	12	>15.00	<1	<0.01	<10	0.42	599	<2	0.01	4	883	19	1.56	5	<1	16	<5	<0.01	<10	52	34	17	16	11
51065	0.4	0.21	9	23	1.1	29	0.72	3	6	143	13	>15.00	<1	0.01	<10	0.41	517	<2	0.01	3	1514	30	1.17	6	<1	20	5	0.01	<10	81	45	56	13	17
51066	2.7	0.04	76	23	<0.5	22	0.25	5	8	133	283	>15.00	<1	0.01	<10	0.35	1152	<2	0.01	4	789	33	>5.00	6	<1	3	<5	<0.01	<10	59	10	18	15	14
51067	1.3	0.68	101	21	<0.5	20	0.28	5	6	109	383	>15.00	<1	0.01	<10	0.56	1456	3	0.01	7	1434	52	>5.00	10	1	6	<5	0.01	<10	55	22	<10	22	15
51068	0.8	0.07	46	19	0.7	27	0.29	4	7	154	175	>15.00	<1	<0.01	<10	0.29	899	<2	0.01	2	773	27	3.48	<5	<1	4	<5	<0.01	<10	68	21	19	11	16
51069	0.6	0.29	27	13	<0.5	14	1.64	3	3	146	522	13.52	<1	<0.01	<10	0.74	1325	<2	0.01	5	491	24	>5.00	9	<1	13	<5	<0.01	<10	37	13	<10	21	9

A .5 gm sample is digested with 5 ml 3:1 HCl/HNO3 at 95°C for 2 hours and diluted to 25ml.

Signed: _____

GR-08-01A

NORTHERN NICKEL MINING
DRILL LOG SHEET

BOX	FROM	TO	m / BOX	CORE	AZ. TRUE	DIP
1	0.0	4.3	4.3	4.5		
2	4.3	8.6	4.3	RECOVERY	0	-55
3	8.6	12.8	4.3	0.95		
4	12.8	17.1	4.3			
5	17.1	21.4	4.3			
6	21.4	25.7	4.3			
7	25.7	29.9	4.3			
8	29.9	34.2	4.3			
9	34.2	38.5	4.3			
10	38.5	42.8	4.3			
11	42.8	47.0	4.3			
12	47.0	51.3	4.3			
13	51.3	55.6	4.3			
14	55.6	59.9	4.3			
15	59.9	64.1	4.3			
16	64.1	68.4	4.3		13.4	-50.4
17	68.4	72.7	4.3			
18	72.7	77.0	4.3			
19	77.0	81.2	4.3			
20	81.2	85.5	4.3			
21	85.5	89.8	4.3			
22	89.8	94.1	4.3			
23	94.1	98.3	4.3			
24	98.3	102.6	4.3			
25	102.6	103.0	0.4			
EOH						

GR-08-01A

NORTHERN NICKEL MINING
DRILL LOG SHEET

X	Y	BOX		LITHO	STRUCTURE	MINERAL
2.5	-3.5	1				
4.9	-7.0	2		Felsic MV		
7.4	-10.5	3		Sil-Magn BIF		
9.8	-14.0	4				
12.3	-17.5	5		Felsic MV		
14.7	-21.0	6				
17.2	-24.5	7		Sil-Magn BIF		
19.6	-28.0	8				
22.6	-31.1	9		Jasper BIF		
25.1	-34.6	10				
27.6	-38.0	11				
30.2	-41.5	12				
34.2	-43.8	13				
36.8	-47.2	14				
39.5	-50.5	15				
43.6	-52.7	16		Porphyry		
46.3	-56.0	17				
49.0	-59.3	18				
51.8	-62.6	19		Jasper BIF		
54.5	-65.9	20				
57.2	-69.2	21				
60.5	-72.0	22				
63.2	-75.3	23				
66.0	-78.6	24				
66.2	-78.9	25				
		EOH				

APPENDIX 2

Letter of Authorization

APPENDIX 3

Statement of costs

APPENDIX 4

Statement of qualifications

STATEMENT OF QUALIFICATIONS

I, Pierre Vincent, do hereby declare:

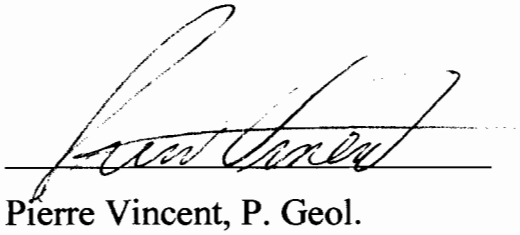
i) that I reside at: 101 Central Park Drive, Ottawa, Ontario, K2C 4C2,

ii) that I am a qualified professional geologist, member of OGQ 540 and APGO temporary member 1438 in full standing order,

iii) that I have practicing my profession since 1979, upon my graduation at UQAM (Montréal) as a Bachelor in Geology,

iv) that I have personal knowledge of the facts presented in this report,

v) that I am a contracting exploration geologist for Northern Nickel Mining Inc.



Pierre Vincent, P. Geol.

September 12, 2008

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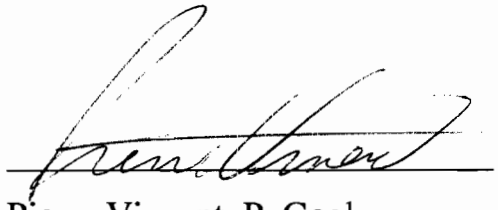

Pierre Vincent, P. Geol.

September 12, 2008