

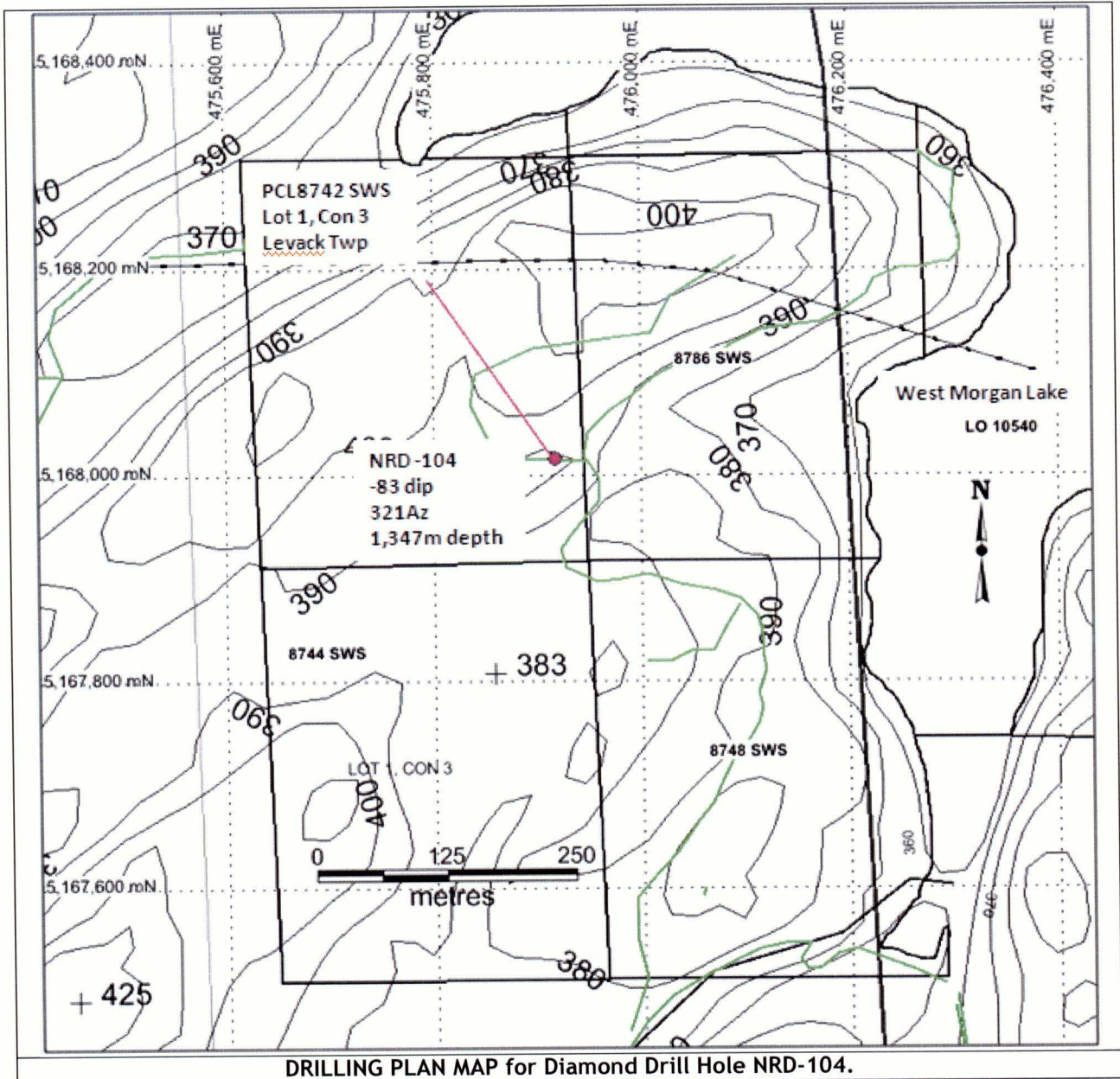
Report on Drilling Diamond Drill Hole NRD-104.

Diamond Drill Hole NRD-104 as collared at UTM Nad 27 Zone 17N coordinates 475915.0m E, 5,168,008.0m N in eastern central Levack Township on Patent PCL 8742 SWS (Lot 1, Con 3, Levack Twp.). The hole was drilled to a depth of 1,347m on an azimuth of 321.9 and an inclination of -83.1 degrees. NQ sized core was recovered from 4.60m to 1,347m depth.

The purpose of the drilling was to explore for nickel-copper sulphides along the basal contact of the Sudbury Igneous complex. The basal sublayer contact of the Sudbury Igneous complex was intersected between 1148 m and 1186m with a 50cm interval of semi-massive sulphide intersected between 1163.5-1164.0m composed of 20% pyrrhotite, 20% pentlandite and 2% chalcopyrite which assayed 0.93%Ni, 0.15%Cu. The second unit of SIC stratigraphy (footwall breccias) was intersected between 1186-1238m with a mineralized zone intersected from 1187 - 1193m and included up to 10% pyrrhotite, chalcopyrite and pentlandite as disseminated to breccia style sulphides. Most assays were of uneconomic grades in this interval. Footwall rocks included felsic gneiss and Sudbury breccia were drilled from 1238-1347m. (please see detailed log for further description and analytical results).

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DRILLING PLAN MAP for Diamond Drill Hole NRD-104.

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Glencore Rock Code Legend

CAS	CASING
DIA	DIABASE
DNBX	DARK NORITE BRECCIA
DNOR	DARK NORITE
FGN	FELSIC GNEISS
FNOR	FELSIC NORITE
GRPH	GRANOPHYRE
LGBX	LATE GRANITE BRECCIA
IGN	INTERMEDIATE GNEISS
MGN	MAFIC GNEISS
MNOR	MAFIC NORITE
PHYF	PYROXENE HORNFELS
SDBX	SUDBURY BRECCIA
SLN	SUBLAYER NORITE
SULP	SULPHIDE
TRZN	TRANSITION ZONE
FLT	FAULT

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Xstrata Nickel Drill Log Abbreviations/Definitions		
Abbreviation	Word/Phrase	Alternates
alt'n	alteration	altn
amph	amphibole	
assoc	associated	
b/t	between	
bio	biotite	
bkn	broken	
bx	breccia	
bx'n	brecciation	
ca	core axis	
carb	carbonate	
chl	chlorite	
comp	composition	
cpx	clinopyroxene	cx
Cpy	chalcopyrite	Cp
CT	contact	
desc	describe(d)	
diss	disseminated	dis
DTCA	degrees to core axis	DCA, tca
EP	epidote	
FF	fracture filling	ff
flt	fault	
FR	fracture	fr
frags	fragments	
FSP	feldspar	
GN	gneissic	

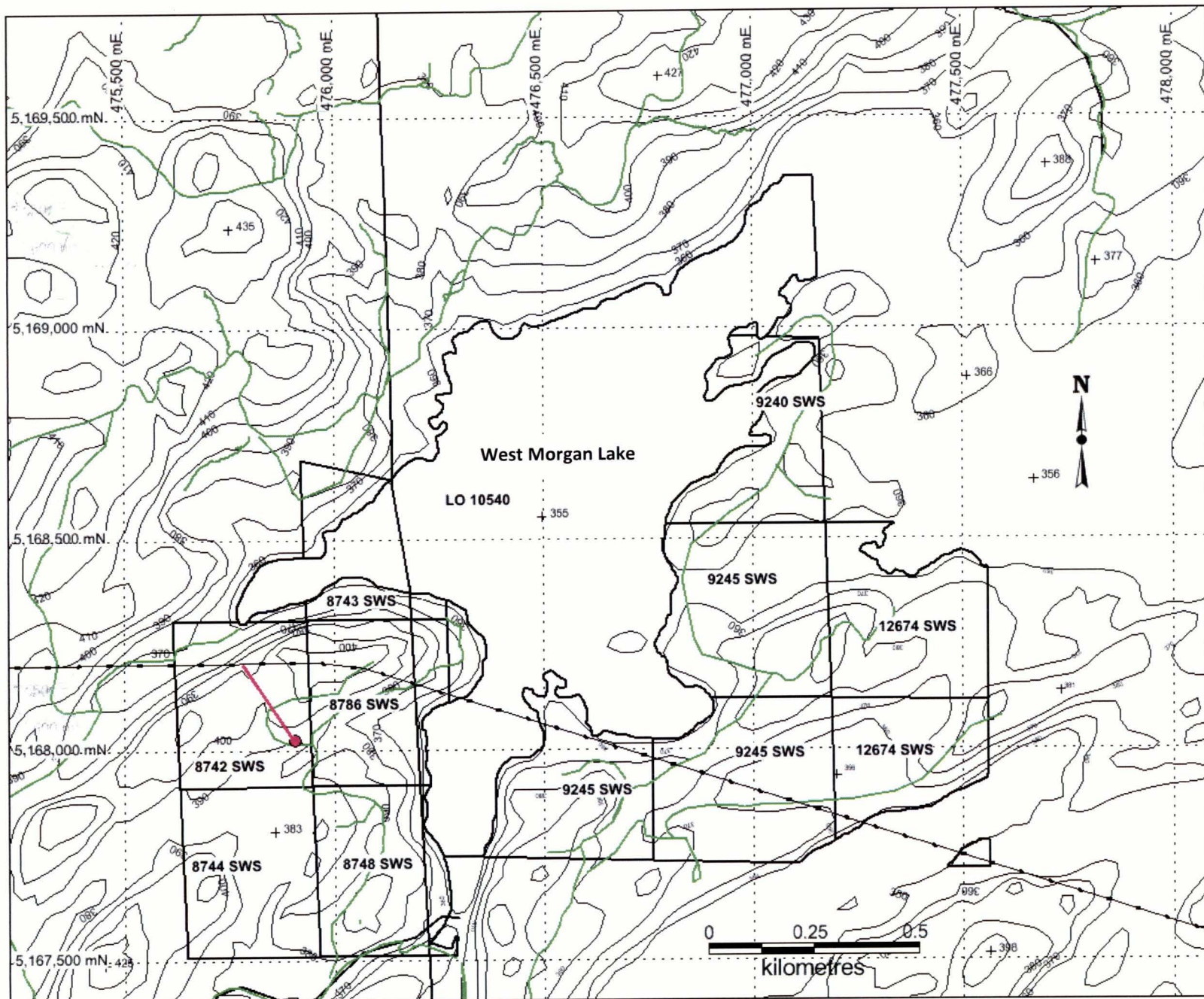
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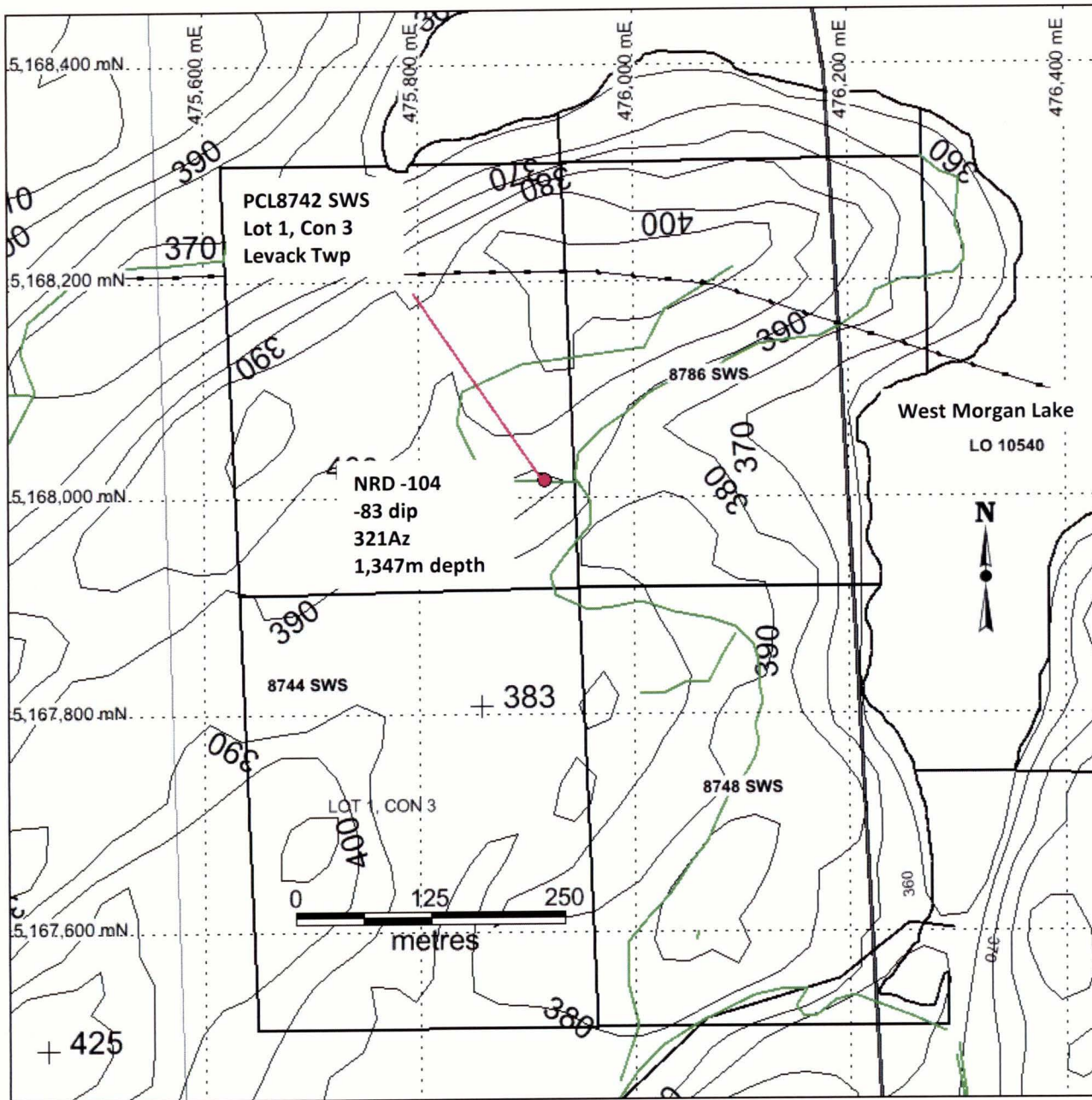
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hem	hematite	
incip	incipient	
K	potassic	k
leuco	leucocratic	
loc'n	location	
M:F	mafic to felsic	
mins	minerals	
minz'd	mineralized	
minz'n	mineralization	
mod	moderate(ly)	
mov't	movement	
NDIA	"new" diabase	
NVS	no visible sulphides	
OD	olivine dyke	
ODIA	"old" diabase	
OGAB	"old" gabbro	
phenos	phenocrysts	
Pn	pentlandite	
Po	pyrrhotite	
prev	previous(ly)	
Py	pyrite	
remob	remobilizing, remobilization	
rextall'd	recrystallized	rextallz'd
rextall'n	recrystallization	rextallz'n
rx'n	reaction	
SGN	sedimentary gneiss	
SS	slickenside	
T.T.	true thickness	
tr	trace	
w	with	
xtls	crystals	xtals
vfg	very fine grained	
fg	fine grained	
mg	medium grained	
cg	coarse grained	
vcg	very coarse grained	

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DETAILED LOG XSTRATA NICKEL

Hole Number: **NRD-104**

Units: METRIC

Project Name: FL SURFACE	Primary Coordinates Grid: UTM:	Destination Coordinates Grid: UTM:	Collar Dip: -83.15
Project Number: 6077	North: 5168008.00	North: 5168008.00	Collar Az: 322.92
Location: Surface	East: 475915.00	East: 475915.00	Length: 1,347.01
	Elev: 389.00	Elev: 389.00	Start Depth: 0.00
Date Started: Sep 06, 2014	Collar Survey: Y	Plugged: N	Contractor: FORACO CANADA LTD.
Date Completed: Oct 06, 2014	Multishot Survey: Y	Hole Size: NQ	Core Storage: Mine Site
Logged By: A.Nyman ; S.Marshfield	Pulse EM Survey: Y	Casing: Left in Hole	Final Depth: 1,347.01

Comments: Targeting a contact geophysical anomaly modeled from NRD-031. Hole intersected a 40m zone of breccia style contact mineralization. An off hole geophysical anomaly was identified to the east, it will be followed up with the next hole.

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	322.92	-83.15	G	OK		10.00	322.24	-83.25	G	OK	
17.00	321.9	-82.9	EZ		MAG 5630	20.00	322.81	-83.35	G	OK	
30.00	322.55	-83.24	G	OK		38.00	322.4	-83.1	EZ		MAG 5632
40.00	323.13	-83.15	G	OK		50.00	324.13	-83.2	G	OK	
60.00	323.41	-83.18	G	OK		70.00	324.27	-83.21	G	OK	
80.00	324.26	-83.25	G	OK		89.00	321.8	-83.2	EZ		MAG 5633
90.00	323.9	-83.38	G	OK		100.00	323.58	-83.23	G	OK	
110.00	323.86	-83.37	G	OK		120.00	323.59	-83.18	G	OK	
130.00	324.39	-83.32	G	OK		140.00	326.2	-83.8	EZ		MAG 5622
140.00	324.46	-83.58	G	OK		150.00	324.24	-83.42	G	OK	
160.00	324.08	-83.59	G	OK		170.00	324.82	-83.63	G	OK	
180.00	323.93	-83.72	G	OK		190.00	325.77	-83.46	G	OK	
191.00	325.7	-83.3	EZ		MAG 5605	200.00	326.99	-83.56	G	OK	
210.00	326.82	-83.41	G	OK		220.00	326.45	-83.47	G	OK	
230.00	326.68	-83.44	G	OK		240.00	326.51	-83.46	G	OK	
242.00	329.1	-83.8	EZ		MAG 5625	250.00	326.86	-83.39	G	OK	
260.00	327.28	-83.45	G	OK		270.00	327.54	-83.25	G	OK	
280.00	327.69	-83.35	G	OK		290.00	328.01	-83.25	G	OK	
294.00	329.6	-83.6	EZ		MAG 5620	300.00	328.19	-83.34	G	OK	
310.00	327.81	-83.23	G	OK		320.00	327.75	-83.15	G	OK	
330.00	328.37	-83.3	G	OK		340.00	328.67	-83.26	G	OK	
345.00	326.1	-83.1	EZ		MAG 5616	350.00	328.72	-83.34	G	OK	
360.00	329.21	-83.33	G	OK		370.00	329.75	-83.26	G	OK	
380.00	330.38	-83.18	G	OK		390.00	330.46	-83.11	G	OK	

Hole Number: **NRD-104**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
396.00	326.9	-83.2	EZ		MAG 5618	400.00	330.35	-83.13	G	OK	
410.00	331.21	-83.08	G	OK		420.00	331.8	-83	G	OK	
430.00	331.2	-83.06	G	OK		440.00	331.48	-83.02	G	OK	
447.00	332.7	-82.6	EZ		Mag 5586	450.00	330.58	-82.89	G	OK	
460.00	331.36	-82.87	G	OK		470.00	331.71	-82.69	G	OK	
480.00	331.66	-82.67	G	OK		490.00	332.04	-82.66	G	OK	
498.00	332.2	-82.7	EZ		Mag 5514	500.00	331.9	-82.45	G	OK	
510.00	331.8	-82.28	G	OK		520.00	332.17	-82.24	G	OK	
530.00	331.43	-82.21	G	OK		540.00	331.12	-82.3	G	OK	
549.00	327.2	-82	EZ		Mag 5320	550.00	331.09	-82.06	G	OK	
560.00	331.55	-82.13	G	OK		570.00	331.39	-81.93	G	OK	
580.00	331.39	-82.14	G	OK		590.00	331.69	-82.15	G	OK	
600.00	332.19	-82.16	G	OK		600.00	331.7	-82	EZ		Mag 5359
610.00	331.73	-82.07	G	OK		620.00	332.51	-82.11	G	OK	
630.00	332.47	-82.06	G	OK		640.00	331.91	-81.97	G	OK	
650.00	332.11	-81.83	G	OK		651.00	330.5	-81.9	EZ		MAG 5390
660.00	332.45	-81.79	G	OK		670.00	331.95	-81.75	G	OK	
680.00	331.84	-81.81	G	OK		690.00	332.55	-81.65	G	OK	
700.00	332.41	-81.79	G	OK		702.00	333	-82.3	EZ		MAG 5604
710.00	332.35	-81.76	G	OK		720.00	332.1	-81.56	G	OK	
730.00	331.58	-81.57	G	OK		740.00	331.59	-81.56	G	OK	
750.00	331.68	-81.53	G	OK		753.00	328.9	-81.7	EZ		MAG 5581
760.00	331.34	-81.67	G	OK		770.00	331.71	-81.59	G	OK	
780.00	331.57	-81.66	G	OK		790.00	331.72	-81.64	G	OK	
800.00	331.34	-81.43	G	OK		804.00	328.8	-81.8	EZ		MAG 5457
810.00	331.14	-81.49	G	OK		820.00	331.09	-81.52	G	OK	
830.00	331.38	-81.3	G	OK		840.00	330.88	-81.44	G	OK	
850.00	330.92	-81.55	G	OK		855.00	330.2	-81.7	EZ		MAG 5385
860.00	331.26	-81.49	G	OK		870.00	331.25	-81.47	G	OK	
880.00	331.24	-81.53	G	OK		890.00	331.03	-81.44	G	OK	
900.00	331.51	-81.42	G	OK		906.00	329.7	-81.5	EZ		MAG 5334
910.00	331.41	-81.34	G	OK		920.00	331.2	-81.24	G	OK	
930.00	331.11	-81.34	G	OK		940.00	331.5	-81.19	G	OK	
950.00	330.98	-81.35	G	OK		957.00	330.1	-81.4	EZ		MAG 5366



DETAILED LOG XSTRATA NICKEL

Hole Number: **NRD-104**

Units: METRIC

Survey Data

Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
960.00	330.64	-81.11	G	OK	MAG 5562	970.00	330.77	-81.26	G	OK	MAG 5424
980.00	330.67	-81.19	G	OK		990.00	330.34	-81.33	G	OK	
1000.00	330.74	-81.37	G	OK		1008.00	330.6	-81.4	EZ		
1010.00	330.19	-81.22	G	OK		1020.00	330.51	-81.34	G	OK	
1030.00	331.2	-81.37	G	OK		1040.00	330.63	-81.38	G	OK	
1050.00	329.96	-81.32	G	OK		1059.00	329.7	-81.1	EZ		
1060.00	330.47	-81.24	G	OK		1070.00	330.46	-81.35	G	OK	
1080.00	330.29	-81.39	G	OK		1090.00	330.56	-81.22	G	OK	
1100.00	330.7	-81.2	G	OK		1110.00	331.35	-81.39	G	OK	
1110.00	331.9	-81.1	EZ			1120.00	330.82	-81.3	G	OK	
1130.00	331.67	-81.29	G	OK		1140.00	331.39	-81.27	G	OK	
1150.00	331.76	-81.26	G	OK		1160.00	331.92	-81.23	G	OK	
1170.00	332.18	-81.27	G	OK		1180.00	332.12	-81.16	G	OK	
1190.00	332.29	-80.94	G	OK		1200.00	332.32	-81.04	G	OK	
1200.00	339	-81	EZ			1210.00	332.93	-81.05	G	OK	
1220.00	332.31	-81.02	G	OK		1230.00	332.6	-80.77	G	OK	
1240.00	333.62	-80.87	G	OK		1250.00	333.02	-80.91	G	OK	
1260.00	333.28	-81.06	G	OK		1270.00	333.48	-80.96	G	OK	
1280.00	332.83	-80.92	G	OK		1290.00	333	-80.93	G	OK	
1295.10	333.02	-80.88	G	OK							

Detailed Lithology		Assay Data						
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
0.00	4.60	CAS, Casing RQD 4.50 - 14.50 : 80.00 % RQD 100 % Core						

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology		Lithology	Assay Data					
			Sample #	From	To	Length	Ni %	Cu %
From	To							
4.60	76.50	GRPH, Granophyre - pink to grey - coarse grained - poorly-moderately magnetic - lower contact with FLT is gradational and blocky Texture 4.60 - 76.50 : MG Medium Grained Alteration 4.60 - 76.50 :HE Hematite, F Fracture Controlled, M Moderate 4.60 - 76.50 :CHL Chlorite, F Fracture Controlled, S Strong 56.00 - 76.50 :EP Epidote, F Fracture Controlled, W Weak Structure 14.50 - 16.50 : BLKY Blocky RQD 14.50 - 16.50 : 100.00 % RQD 30 % Core 16.50 - 38.00 : 80.00 % RQD 100 % Core 38.00 - 56.00 : 100.00 % RQD 100 % Core 56.00 - 76.00 : 76.50 % RQD 100 % Core 76.00 - 77.00 : 20.00 % RQD 100 % Core						
76.50	76.75	FLT, Fault - HE gouge and rubble - lower contact with GRPH is gradational Texture 76.50 - 76.75 : FLT Fault Gouge Alteration 76.50 - 76.75 :HE Hematite, P Pervasive, S Strong Structure 76.50 - 76.75 : G Gouge						

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology		Lithology	Assay Data					
			Sample #	From	To	Length	Ni %	Cu %
From	To							
76.75	95.75	GRPH, Granophyre - grey to pink - poorly magnetic - coarse grained - lower contact with FLT is gradational and blocky Texture 76.75 - 95.75 : MG Medium Grained Alteration 76.75 - 95.75 :HE Hematite, F Fracture Controlled, M Moderate 76.75 - 95.75 :CHL Chlorite, F Fracture Controlled, S Strong 76.75 - 95.75 :EP Epidote, F Fracture Controlled, W Weak RQD 77.00 - 94.00 : 90.00 % RQD 100 % Core 94.00 - 97.00 : 30.00 % RQD 100 % Core						
95.75	96.20	FLT, Fault -HE and CHL gouge and rubble - lower contact with GRPH is gradational and blocky Texture 95.75 - 96.20 : FLT Fault Gouge Alteration 95.75 - 96.20 :CHL Chlorite, P Pervasive, M Moderate 95.75 - 96.20 :HE Hematite, P Pervasive, S Strong Structure 95.75 - 96.20 : G Gouge 95.75 - 96.20 : G Gouge						

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
96.20	350.85	GRPH, Granophyre - pink to grey - coarse grained - trace Qtz, Carb veinlets - lower contact with FLT is gradational and blocky Texture 96.20 - 350.85 : MG Medium Grained Alteration 96.20 - 122.00 :HE Hematite, F Fracture Controlled, M Moderate 133.00 - 144.00 :EP Epidote, FF Fracture Filling, M Moderate 190.00 - 206.00 :EP Epidote, FF Fracture Filling, M Moderate 291.00 - 350.85 :CHL Chlorite, F Fracture Controlled, M Moderate 204.00 - 240.00 :CHL Chlorite, F Fracture Controlled, M Moderate 346.00 - 350.85 :HE Hematite, F Fracture Controlled, S Strong 96.20 - 198.00 :CHL Chlorite, F Fracture Controlled, S Strong 133.00 - 144.00 :HE Hematite, F Fracture Controlled, W Weak 96.20 - 110.50 :EP Epidote, F Fracture Controlled, W Weak 224.00 - 260.00 :EP Epidote, H Patchy, W Weak 278.00 - 318.00 :EP Epidote, H Patchy, W Weak RQD 97.00 - 112.30 : 90.00 % RQD 100 % Core 112.30 - 123.00 : 100.00 % RQD 60 % Core 123.00 - 192.00 : 100.00 % RQD 100 % Core 192.00 - 196.00 : 100.00 % RQD 80 % Core 196.00 - 290.00 : 100.00 % RQD 100 % Core 290.00 - 292.00 : 80.00 % RQD 100 % Core 292.00 - 309.00 : 100.00 % RQD 100 % Core 309.00 - 316.00 : 100.00 % RQD 100 % Core 316.00 - 319.00 : 80.00 % RQD 100 % Core 319.00 - 344.00 : 100.00 % RQD 100 % Core 344.00 - 350.85 : 80.00 % RQD 100 % Core						

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
350.85	351.00	FLT, Fault -HE gouge minor rubble - lower contact with GRPH is gradational Texture 350.85 - 351.00 : FLT Fault Gouge Alteration 350.85 - 351.00 :HE Hematite, F Fracture Controlled, S Strong RQD 350.85 - 351.00 : 10.00 % RQD 100 % Core						
351.00	438.00	GRPH, Granophyre Well developed coarse grained GRPH No major structures Fracture controlled EPI alteration throughout - Overall structurally competent with 85%RQD Lower contact with TRZN gradational Texture 351.00 - 438.00 : MG Medium Grained Alteration 351.00 - 428.00 :CHL Chlorite, F Fracture Controlled, M Moderate 354.00 - 438.00 :EP Epidote, F Fracture Controlled, M Moderate RQD 351.00 - 381.00 : 100.00 % RQD 100 % Core 381.00 - 470.00 : 100.00 % RQD 100 % Core						

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology		Assay Data						
		Sample #	From	To	Length	Ni %	Cu %	
From	To	Lithology						
438.00	780.00	TRZN, Transition Zone Well developed medium grained TRZN Mod magnetic Overall unit was structurally competent with minor local fracturing - RQD overall was 85% Lower contact with FNOR is gradational over roughly 5 metres Texture 438.00 - 780.00 : MG Medium Grained Alteration 645.00 - 780.00 :CHL Chlorite, F Fracture Controlled, S Strong 740.00 - 742.00 :EP Epidote, FF Fracture Filling, M Moderate 645.00 - 665.00 :EP Epidote, FF Fracture Filling, M Moderate 438.00 - 770.00 :K K-Feldspar, INT Interstitial, M Moderate ranging from weak - strong Structure 573.50 - 575.00 : FLT Fault, 10 Deg to CA 583.60 - 583.80 : JNTS Joints, 10 Deg to CA 583.60 - 583.80 : G Gouge, 10 Deg to CA 698.00 - 702.00 : BLKY Blocky, 25 Deg to CA RQD 470.00 - 478.00 : 100.00 % RQD 100 % Core 478.00 - 538.00 : 85.00 % RQD 100 % Core 538.00 - 539.00 : 30.00 % RQD 100 % Core 539.00 - 650.00 : 85.00 % RQD 100 % Core some fractures at 60CA 650.00 - 652.00 : 100.00 % RQD 60 % Core 652.00 - 691.00 : 100.00 % RQD 100 % Core 691.00 - 693.00 : 80.00 % RQD 100 % Core 693.00 - 705.00 : 100.00 % RQD 100 % Core 705.00 - 709.00 : 100.00 % RQD 80 % Core 709.00 - 773.75 : 100.00 % RQD 100 % Core 773.75 - 786.00 : 100.00 % RQD 100 % Core						

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology		Assay Data							
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %	
780.00	1113.00	<p>FNOR, Felsic Norite Typical FNOR Grey to white, medium grained Non-poorly magnetic Overall competent unit, 1032-1038m, and 1067-1079m blocky interval, no gouge present to indicate faulting Lower contact with MNOR is gradational over 3m</p> <p>Texture 780.00 - 1113.00 : MG Medium Grained</p> <p>Alteration 1010.00 - 1018.00 :K K-Feldspar, H Patchy, M Moderate 1065.00 - 1073.00 :K K-Feldspar, INT Interstitial, M Moderate 1050.00 - 1056.00 :K K-Feldspar, INT Interstitial, M Moderate 1093.00 - 1096.00 :K K-Feldspar, INT Interstitial, M Moderate 954.00 - 958.00 :K K-Feldspar, INT Interstitial, M Moderate 1103.50 - 1113.00 :K K-Feldspar, INT Interstitial, M Moderate 1010.00 - 1018.00 :EP Epidote, FF Fracture Filling, M Moderate 843.00 - 844.00 :EP Epidote, FF Fracture Filling, M Moderate 954.00 - 960.00 :EP Epidote, H Patchy, M Moderate 780.00 - 931.00 :CHL Chlorite, F Fracture Controlled, S Strong 954.00 - 964.00 :Qtz Quartz, VN Vein, W Weak sporatic qtz/carb veinlets 900.00 - 918.00 :EP Epidote, H Patchy, W Weak</p> <p>Structure 1032.00 - 1038.00 : SLK Slickensides 1032.00 - 1038.00 : BLKY Blocky</p> <p>RQD 786.00 - 801.00 : 100.00 % RQD 100 % Core 801.00 - 802.00 : 80.00 % RQD 100 % Core 802.00 - 857.00 : 100.00 % RQD 100 % Core 857.00 - 858.00 : 80.00 % RQD 100 % Core 858.00 - 876.00 : 100.00 % RQD 100 % Core 876.00 - 897.00 : 80.00 % RQD 100 % Core 897.00 - 923.00 : 100.00 % RQD 100 % Core 923.00 - 932.00 : 75.00 % RQD 100 % Core 932.00 - 954.00 : 95.00 % RQD 100 % Core 954.00 - 958.00 : 70.00 % RQD 100 % Core 958.00 - 971.00 : 90.00 % RQD 100 % Core 971.00 - 991.50 : 100.00 % RQD 100 % Core</p>							

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
		RQD						
		991.50 - 1017.00 : 80.00 % RQD 100 % Core						
		1017.00 - 1032.00 : 80.00 % RQD 100 % Core						
		1032.00 - 1038.00 : 40.00 % RQD 100 % Core						
		1038.00 - 1050.00 : 80.00 % RQD 100 % Core						
		1050.00 - 1060.00 : 100.00 % RQD 100 % Core						
		1060.00 - 1067.00 : 80.00 % RQD 100 % Core						
		1067.00 - 1079.00 : 40.00 % RQD 100 % Core						
		1079.00 - 1110.00 : 80.00 % RQD 100 % Core						
		1110.00 - 1120.00 : 100.00 % RQD 100 % Core						
1113.00	1120.00	MNOR, Mafic Norite Blackish fine grained Poorly magnetic Minor felsic patches Trace Py/Po mineralization starting 1114m Lower contact with FLT is gradational over 15cm						
		Alteration 1115.50 - 1116.00 :EP Epidote, P Pervasive, S Strong						
1120.00	1124.00	FLT, Fault Blocky unit with moderate CHL gouge present Lower contact with MNOR is gradational over 10cm.						
		RQD 1120.00 - 1124.00 : 30.00 % RQD 100 % Core						
1124.00	1138.00	MNOR, Mafic Norite Blackish fine grained Poorly magnetic Minor felsic patches Minor Py/Po mineralization Lower contact with FLT is abrupt						
		Alteration 1127.00 - 1128.00 :EP Epidote, P Pervasive, S Strong						
		RQD 1124.00 - 1126.50 : 80.00 % RQD 100 % Core						
		1126.50 - 1138.00 : 100.00 % RQD 100 % Core						
1138.00	1142.00	FLT, Fault - Blocky ground with minor CHL gouge -no sulphides visible -lower contact with MNOR is gradational over 20cm						
		RQD 1138.00 - 1142.00 : 10.00 % RQD 100 % Core						

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology			Assay Data					
			Sample #	From	To	Length	Ni %	Cu %
From	To	Lithology						
1142.00	1148.00	MNOR, Mafic Norite Blackish fine grained Poorly magnetic Minor felsic patches Minor Py/Po mineralization Lower contact with SLN is gradational over 50cm RQD 1142.00 - 1167.50 : 70.00 % RQD 100 % Core	NRD-104-001	1146.50	1148.00	1.5	0.11	0.05
1148.00	1163.50	SLN, Norite - grey to black - moderately magnetic - clasts visible - felsic patches present - patchy sulphides visible Po/Pn/Cpy verging in places on semi-massive Lower contact with SMS is undulose Texture 1148.00 - 1163.50 : BX Brecciated Mineralization 1148.00 - 1154.00 : POPN Pyrrhotit/Pentlandite, DIS Disseminated, 1.5% 1154.00 - 1154.60 : CP Chalcopyrite, DIS Disseminated, 2% 1154.60 - 1158.00 : POPN Pyrrhotit/Pentlandite, DIS Disseminated, 5% 1158.00 - 1163.50 : POPN Pyrrhotit/Pentlandite, DIS Disseminated, 1.5% Alteration 1148.00 - 1152.00 :EP Epidote, F Fracture Controlled, M Moderate	NRD-104-002	1148.00	1149.50	1.5	0.06	0.03
			NRD-104-003	1149.50	1151.00	1.5	0.07	0.37
			NRD-104-004	1151.00	1152.50	1.5	0.06	0.04
			NRD-104-005	1152.50	1154.00	1.5	0.22	0.34
			NRD-104-006	1154.00	1155.05	1.05	0.16	3.20
			NRD-104-007	1155.05	1156.50	1.45	0.16	0.10
			NRD-104-008	1156.50	1158.00	1.5	0.46	0.11
			NRD-104-009	1158.00	1159.50	1.5	0.21	0.07
			NRD-104-010	1159.50	1161.00	1.5	0.23	0.12
			NRD-104-011	1161.00	1162.50	1.5	0.21	0.09
			NRD-104-012	1162.50	1163.50	1	0.42	0.09
1163.50	1164.00	SMS, Semi Massive Sulphide - semi-massive Po/Pn ~40% combined, with minor Cpy ~2% - upper and lower contacts are undulose lower contact with SLN is undulose 10 DTCA Texture 1163.50 - 1164.00 : BX Brecciated Mineralization 1163.50 - 1164.00 : CP Chalcopyrite, BL Blebby, 2% 1163.50 - 1164.00 : PO Pyrrhotite, ICU Intercumulus, 20% 1163.50 - 1164.00 : PN Pentlandite, ICU Intercumulus, 20% Alteration 1163.50 - 1164.00 :CHL Chlorite, F Fracture Controlled, S Strong	NRD-104-013	1163.50	1164.00	0.5	0.93	0.15

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology		Assay Data						
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1164.00	1186.50	SLN, Norite - grey to black - moderately magnetic - clasts visible - felsic patches present - patchy sulphides visible Po/Pn/Cpy verging in places on semi-massive Lower contact with LGBX is gradational over 30cm Texture 1164.00 - 1186.50 : BX Brecciated Mineralization 1164.00 - 1174.00 : POPN Pyrrhotit/Pentlandite, DIS Disseminated, 2% 1174.00 - 1179.30 : POPN Pyrrhotit/Pentlandite, DIS Disseminated, 6% 1179.30 - 1184.60 : POPN Pyrrhotit/Pentlandite, DIS Disseminated, 1% Alteration 1164.00 - 1186.50 :CHL Chlorite, F Fracture Controlled, S Strong RQD 1167.50 - 1194.00 : 80.00 % RQD 100 % Core	NRD-104-014	1164.00	1165.50	1.5	0.14	0.06
			NRD-104-015	1165.50	1167.00	1.5	0.11	0.03
			NRD-104-016	1167.00	1168.50	1.5	0.25	0.07
			NRD-104-017	1168.50	1170.00	1.5	0.10	0.06
			NRD-104-018	1170.00	1171.50	1.5	0.11	0.04
			NRD-104-019	1171.50	1173.00	1.5	0.17	0.11
			NRD-104-020	1173.00	1174.50	1.5	0.15	0.06
			NRD-104-021	1174.50	1176.00	1.5	0.30	0.08
			NRD-104-022	1176.00	1177.50	1.5	0.13	0.08
			NRD-104-023	1177.50	1178.75	1.25	0.16	0.22
			NRD-104-024	1178.75	1179.50	0.75	0.59	0.29
			NRD-104-025	1179.50	1181.00	1.5	0.10	0.04
			NRD-104-027	1181.00	1182.50	1.5	0.06	0.04
			NRD-104-028	1182.50	1184.00	1.5	0.06	0.04
			NRD-104-029	1184.00	1185.50	1.5	0.09	0.06
			NRD-104-030	1185.50	1187.00	1.5	0.07	0.03
1186.50	1238.00	LGBX, Late Granite Breccia - matrix is grey to white - moderately magnetic - clasts composed of FGN, and mafics - clasts are subrounded, ranging from 2-40cm - patches of sulphides visible Po/Pn/Cpy - minor patches of SDBX 1209-1235m - lower contact with FGN is gradational over 20cm Texture 1186.50 - 1238.00 : BX Brecciated Mineralization 1186.50 - 1193.60 : POPN Pyrrhotit/Pentlandite, DIS Disseminated, 2% 1193.60 - 1194.00 : POPN Pyrrhotit/Pentlandite, ICU Intercumulus, 35% 1194.00 - 1198.00 : POPN Pyrrhotit/Pentlandite, DIS Disseminated, 1% Alteration 1215.00 - 1216.00 :EP Epidote, P Pervasive, S Strong 1216.00 - 1238.00 :EP Epidote, H Patchy, W Weak 1195.00 - 1215.00 :EP Epidote, H Patchy, W Weak RQD 1194.00 - 1196.00 : 100.00 % RQD 100 % Core 1200.00 - 1201.00 : 60.00 % RQD 100 % Core 1201.00 - 1215.00 : 100.00 % RQD 100 % Core 1215.00 - 1216.00 : 65.00 % RQD 100 % Core 1216.00 - 1347.00 : 100.00 % RQD 100 % Core	NRD-104-031	1187.00	1188.50	1.5	0.11	0.08
			NRD-104-032	1188.50	1190.00	1.5	0.12	0.08
			NRD-104-033	1190.00	1191.50	1.5	0.03	0.02
			NRD-104-034	1191.50	1193.00	1.5	0.18	0.06
			NRD-104-035	1193.00	1193.82	0.82	0.53	0.20
			NRD-104-036	1193.82	1194.32	0.5	0.01	0.01
			NRD-104-037	1213.70	1215.20	1.5	0.01	0.06
			NRD-104-038	1215.20	1215.60	0.4	0.01	0.05
			NRD-104-039	1215.60	1217.10	1.5	0.01	0.01
			NRD-104-040	1236.75	1238.25	1.5	0.00	0.13

Hole Number: **NRD-104**

Units: METRIC

Detailed Lithology			Assay Data					
From	To	Lithology	Sample #	From	To	Length	Ni %	Cu %
1238.00	1315.12	FGN, Felsic Gneiss - grey to pinkish - moderately developed fabric - non-poorly magentic - minor patches of IGN 1269-1273m - no sulphides visible - lower contact with SDBX is undulose at 30 DTCA Alteration 1248.00 - 1278.00 :EP Epidote, INT Interstitial, M Moderate	NRD-104-041	1238.25	1238.44	0.19	0.00	0.42
			NRD-104-042	1238.44	1239.44	1	0.00	0.00
1315.12	1333.00	SDBX, Sudbury Breccia - matrix comprises 15-18% - clasts dominated by FGN, subrounded - sizes range 5cm-1.3m - no sulphides visible - lower contact with FGN is undulose at 55 DTCA Texture 1315.12 - 1333.00 : BX Brecciated Alteration 1326.12 - 1328.00 :EP Epidote, INT Interstitial, W Weak						
1333.00	1347.00	FGN, Felsic Gneiss - grey to white - non magnetic - no sulphides visible - poorly developed fabric Texture 1333.00 - 1347.00 : MG Medium Grained Alteration 1333.00 - 1345.00 :EP Epidote, INT Interstitial, M Moderate						
1347.00	1347.01	EOH, End of Hole						

Samples

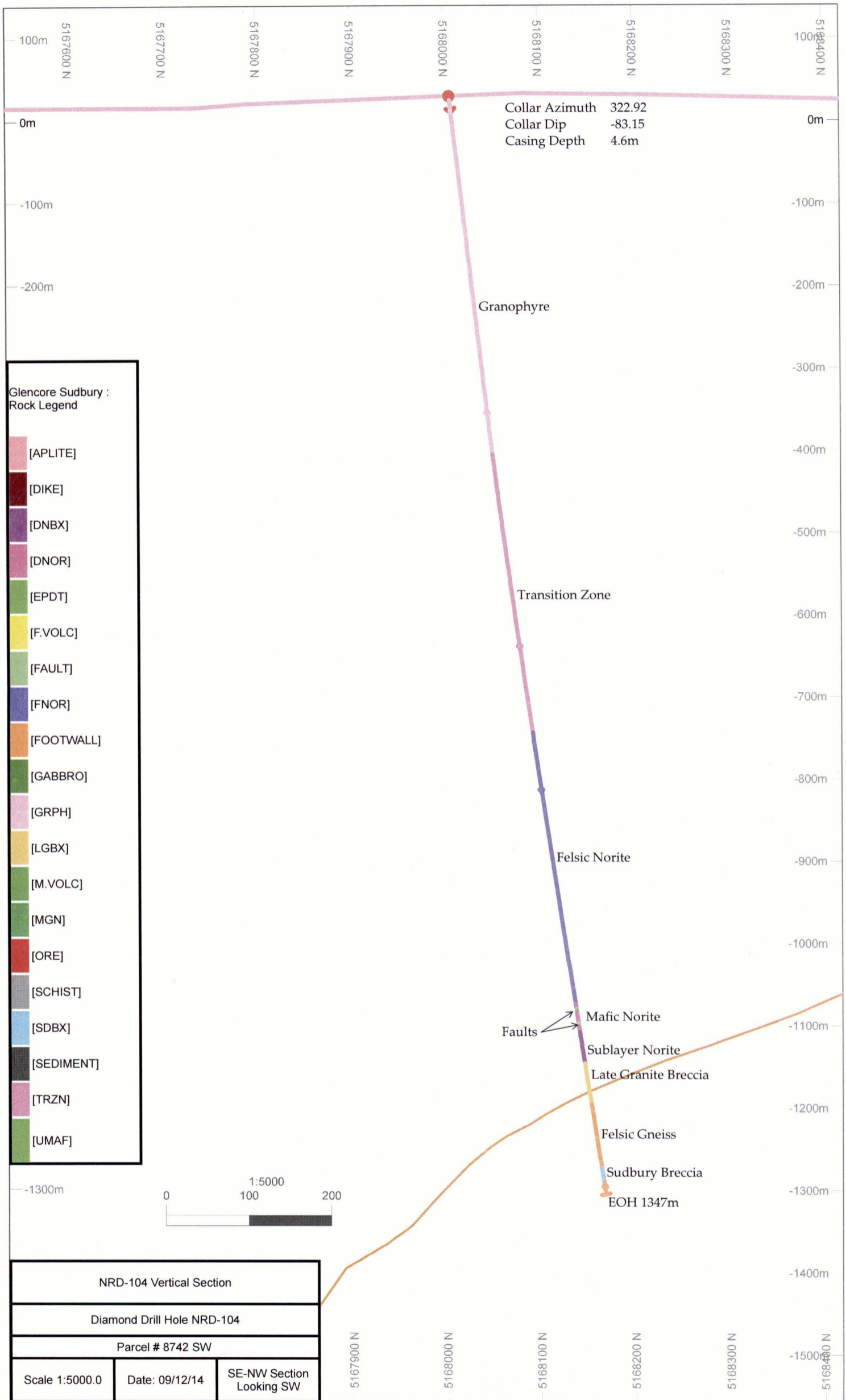
Sample #	From	To	Po %	Pn %	Cp %	Ni %	Cu %	Pt Gpt	Pd Gpt	Au Gpt	Ag Gpt	S %	Co %	Pb %	Rh Gpt	Ru Gpt	Os Gpt	Ir Gpt	Ni S %	Ni Eq	Cu Eq
Sample Type	ASSAY																				
NRD-104-001	1146.5	1148	0.25			0.11	0.05	0.01	0.01	0.01	0.15	2.07	.009						2.0166	0.14	0.46
NRD-104-002	1148	1149.5	1.00	0.25		0.06	0.03	0.01	0.01	0.01	0.15	0.88	.007						2.7406	0.09	0.30
NRD-104-003	1149.5	1151	1.00	0.25		0.07	0.37	0.01	0.01	0.01	0.90	1.18	.005						3.4891	0.20	0.69
NRD-104-004	1151	1152.5	1.00	0.25		0.06	0.04	0.01	0.01	0.01	0.15	0.98	.004						2.653	0.09	0.32
NRD-104-005	1152.5	1154	1.00	0.25		0.22	0.34	0.01	0.01	0.01	0.60	2.75	.009						3.4991	0.34	1.15
NRD-104-006	1154	1155.05	0.25		1.25	0.16	3.20	0.04	0.05	0.04	6.00	4.26	.008						6.2003	1.21	4.14
NRD-104-007	1155.05	1156.5	1.25	0.25		0.16	0.10	0.03	0.02	0.01	0.15	2.48	.007						2.5291	0.22	0.76
NRD-104-008	1156.5	1158	1.50	0.50		0.46	0.11	0.01	0.02	0.01	0.40	6.41	.010						2.8131	0.51	1.75
NRD-104-009	1158	1159.5	1.00	0.25		0.21	0.07	0.01	0.01	0.01	0.15	3.60	.009						2.3093	0.25	0.85

Hole Number: **NRD-104**

Units: METRIC

Samples

Sample #	From	To	Po %	Pn %	Cp %	Ni %	Cu %	Pt Gpt	Pd Gpt	Au Gpt	Ag Gpt	S %	Co %	Pb %	Rh Gpt	Ru Gpt	Os Gpt	Ir Gpt	Ni S %	Ni Eq	Cu Eq
Sample Type ASSAY																					
NRD-104-010	1159.5	1161	0.80	0.20		0.23	0.12	0.01	0.01	0.01	0.15	3.32	.006						2.7739	0.28	0.96
NRD-104-011	1161	1162.5	1.00	0.25		0.21	0.09	0.01	0.01	0.01	0.15	3.13	.006						2.7324	0.26	0.88
NRD-104-012	1162.5	1163.5	1.35	0.30		0.42	0.09	0.01	0.02	0.01	0.30	6.59	.016						2.5007	0.47	1.59
NRD-104-013	1163.5	1164	20.00	20.00	2.00	0.93	0.15	0.04	0.04	0.01	0.70	16.90	.046						2.1579	1.03	3.53
NRD-104-014	1164	1165.5	1.60	0.40		0.14	0.06	0.01	0.01	0.01	0.15	1.99	.006						2.8882	0.18	0.61
NRD-104-015	1165.5	1167	1.20	0.40		0.11	0.03	0.01	0.01	0.01	0.15	1.33	.007						3.2218	0.14	0.46
NRD-104-016	1167	1168.5	1.20	0.10		0.25	0.07	0.01	0.01	0.01	0.15	3.77	.012						2.5918	0.29	0.98
NRD-104-017	1168.5	1170	0.85	0.15		0.10	0.06	0.01	0.01	0.01	0.15	1.45	.008						2.8805	0.14	0.48
NRD-104-018	1170	1171.5	0.85	0.15		0.11	0.04	0.01	0.01	0.01	0.15	1.80	.008						2.4278	0.14	0.48
NRD-104-019	1171.5	1173	0.90	0.10		0.17	0.11	0.01	0.01	0.01	0.40	2.79	.010						2.4047	0.22	0.74
NRD-104-020	1173	1174.5	0.90	0.10		0.15	0.06	0.01	0.01	0.01	0.15	2.19	.009						2.7345	0.19	0.64
NRD-104-021	1174.5	1176	1.20	0.30		0.30	0.08	0.02	0.03	0.01	0.50	4.62	.016						2.5524	0.36	1.22
NRD-104-022	1176	1177.5	1.30	0.20		0.13	0.08	0.01	0.01	0.01	0.40	2.04	.009						2.599	0.17	0.60
NRD-104-023	1177.5	1178.75	1.20	0.30	0.10	0.16	0.22	0.01	0.01	0.01	1.20	3.08	.013						2.2292	0.25	0.86
NRD-104-024	1178.75	1179.5	2.00	0.50		0.59	0.29	0.04	0.04	0.07	1.50	9.38	.024						2.5308	0.77	2.62
NRD-104-025	1179.5	1181	1.00	0.20		0.10	0.04	0.01	0.01	0.01	0.15	1.65	.007						2.434	0.13	0.44
NRD-104-027	1181	1182.5	0.50			0.06	0.04	0.01	0.01	0.01	0.40	1.10	.006						2.3454	0.09	0.32
NRD-104-028	1182.5	1184	0.65	0.10		0.06	0.04	0.01	0.01	0.01	0.40	1.08	.008						2.203	0.09	0.31
NRD-104-029	1184	1185.5	7.00	0.10	0.20	0.09	0.06	0.02	0.01	0.01	0.60	1.41	.009						2.606	0.14	0.47
NRD-104-030	1185.5	1187	0.60		0.40	0.07	0.03	0.01	0.01	0.01	0.30	0.96	.008						2.8464	0.10	0.33
NRD-104-031	1187	1188.5	0.60		0.40	0.11	0.08	0.01	0.01	0.01	0.70	2.05	.008						2.11	0.15	0.52
NRD-104-032	1188.5	1190	1.15	0.10		0.12	0.08	0.02	0.01	0.01	0.60	1.80	.010						2.7461	0.17	0.59
NRD-104-033	1190	1191.5	0.65		0.60	0.03	0.02	0.01	0.01	0.01	0.15	0.44	.003						2.3761	0.05	0.16
NRD-104-034	1191.5	1193	2.50	0.50		0.18	0.06	0.01	0.01	0.01	0.15	2.19	.005						3.2288	0.21	0.72
NRD-104-035	1193	1193.82	2.50	0.50	1.50	0.53	0.20	0.04	0.03	0.01	1.10	8.18	.016						2.5804	0.64	2.20
NRD-104-036	1193.82	1194.32				0.01	0.01	0.01	0.01	0.01	0.15	0.14	.001						2.0476	0.03	0.09
NRD-104-037	1213.7	1215.2				0.01	0.06	0.01	0.01	0.01	0.15	0.53	.004						0.6641	0.04	0.14
NRD-104-038	1215.2	1215.6			0.50	0.01	0.05	0.01	0.01	0.01	0.15	0.26	.003						1.1247	0.04	0.13
NRD-104-039	1215.6	1217.1				0.01	0.01	0.01	0.01	0.01	0.15	0.24	.004						1.5323	0.03	0.10
NRD-104-040	1236.75	1238.25				0.00	0.13	0.01	0.01	0.01	0.15	0.16	.001						2.9302	0.06	0.19
NRD-104-041	1238.25	1238.44			0.50	0.00	0.42	0.01	0.01	0.01	0.15	0.41	.001						-5.3865	0.14	0.49
NRD-104-042	1238.44	1239.44				0.00	0.00	0.01	0.01	0.01	0.15	0.05	.001						2.0476	0.02	0.07



Glencore Sudbury :
Rock Legend

[APLITE]
[DIKE]
[DNBX]
[DNOR]
[EPDT]
[F.VOLC]
[FAULT]
[FNOR]
[FOOTWALL]
[GABBRO]
[GRPH]
[LGBX]
[M.VOLC]
[MGN]
[ORE]
[SCHIST]
[SDBX]
[SEDIMENT]
[TRZN]
[UMAF]

NRD-104 Vertical Section		
Diamond Drill Hole NRD-104		
Parcel # 8742 SW		
Scale 1:5000.0	Date: 09/12/14	SE-NW Section Looking SW

5167900 N 0067915
 5168000 N 0068015
 5168100 N 0068115
 5168200 N 0068215
 5168300 N 0068315
 5168400 N 0068415

