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Råstoffgruppe	**Råstofftype**	
Malm/metall	Ni Cu Au	

Sammendrag, innholdsfortegnelse eller innholdsbeskrivelse

The Report also includes a complete set of Assays Results, Drill Logs, and Drill Sections.

VEDLEGG 1 av 1
J.nr. 06/00131-31

REPORT OF EXPLORATION ACTIVITIES

DIAMOND DRILLING

LANGDALEN MINE AREA

FEBRUARY - MARCH 2007

BUSKERUD FYLKE, NORWAY

Rob Foy
Blackstone Nickel NUF
For Sulfidmalm A/S

May 18, 2007

SUMMARY

This report describes the exploration work completed by Blackstone Nickel NUF[1] (registration 890 363 652) at the historic Langdalen Mine deposit located 11km north of the historic Ertelia Mine and 50km northwest of Oslo Norway. The Langdalen Mine has past production of 250,000 tonnes grading 2.5 – 3.5% Ni and lies within the central portion of a large block of preclaims that form part of the Ertelien Project

During February and March 2007, nine exploration diamond drill holes – LN07-01 to LN07-09 – totally 1,992m were completed at the Langdalen Mine site targeting Ni-Cu massive sulphides. These holes are the first phase of drilling of the current Langdalen program and are the first known exploration holes drilled at the deposit. Initial work on the Langdalen Property was conducted by Sulfidmalm[2] in 2005 and involved airborne geophysics, ground follow-up of AEM conductors, and a ground UTEM survey.

Blackstone drilling targeted the area immediately surrounding the Mine workings focussing on the trends of the sulphide mineralization visible in the open cuts and pits as well as the extensions of this mineralization as indicated by the 2 EM conductors detected during the surface UTEM geophysical surveys.

The drilling defined a semi-continuous trend of re-mobilized massive Ni-Cu sulphide veins hosted in the footwall gneissic complex. The sulphide veins occur within a 50-70m wide, steep dipping, NW-trending corridor extending through the Main Mine open cut for a distance of at least 150m and to a depth of more than 200m, herein called the "Footwall Zone". The veins are narrow, discontinuous, and appear structurally controlled. The metal content is elevated with significant Ni and Cu concentrations commonly associated with anomalous Au and locally appreciable Ag – Pd values.

Surface UTEM Conductor 'A' coincides with the Footwall Zone.

LN07-09 returned a outstanding assay of **150 g/t Au** over 0.50m along the margins of a narrow semi-massive sulphide vein that returned 0.92% Ni – 9.23 g/t Au over 0.35m. No visible gold was observed in drill core.

Highlights include:

LN07-04	1.97% Ni – 0.58% Cu / 1.30m @ 4.55m
LN07-04	0.40% Ni – 0.59% Cu / 3.00m @ 91.00m includes 0.14g/t Au
LN07-05	1.39% Ni – 1.85% Cu / 2.30m @ 76.50m includes 0.23g/t Au
LN07-06	1.35% Ni – 1.19% Cu / 0.12m @ 172.28m
LN07-08	0.96% Ni – 0.66% Cu / 1.00m @ 149.25m includes 0.21g/t Au
LN07-09	0.34% Ni – 0.07% Cu / 3.85m @ 138.80m includes **20.84g/t Au**
Includes	0.07% Ni – 0.03% Cu / 0.50m @ 138.8m includes **150.2g/t Au**

The results are significant in that these footwall-hosted remobilized sulphides suggest a significantly larger, potentially high grade proximal intrusive source. Locating the possible source of this metalliferous system is the objective of the next phase of exploration work.

The current phase of drilling at Langdalen is complete. Future plans include borehole geophysical surveys, geological mapping, and additional drilling in and around the Mine area.

[1] Blackstone Nickel NUF is a branch of Blackstone Nickel AB (registration 556708-3992) which in turn is a wholly owned subsidiary of Blackstone Ventures Inc., a Canadian company.
[2] Sulfidmalm is a wholly owned subsidiary of Falconbridge Limited.

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Property and Ownership

The Langdalen Mine deposit lies 50km NW of Oslo and 10km NNW of Tyristrand in the central portion of a large block of preclaims held by Sulfidmalm A/S Norway that form part of the Ertelien Project (Figures 1 and 2). Initial work on the Langdalen Property was conducted under a Joint Venture between Blackstone Ventures Inc. and Sulfidmalm A/S a wholly owned subsidiary of Falconbridge Ltd recently purchased by Xstrata Nickel. Blackstone became the operator of the project in late 2006 and in April of 2007 concluded an agreement to purchase 100% of Sulfidmalm.

Langdalen Mine Location:	10° 01` 04" E	60° 10` 00" N	Latitude, Longitude
	556,650 E	6,670,450 N	UTM WGS84 32N

Figure 1. Ertelien Project Location Map

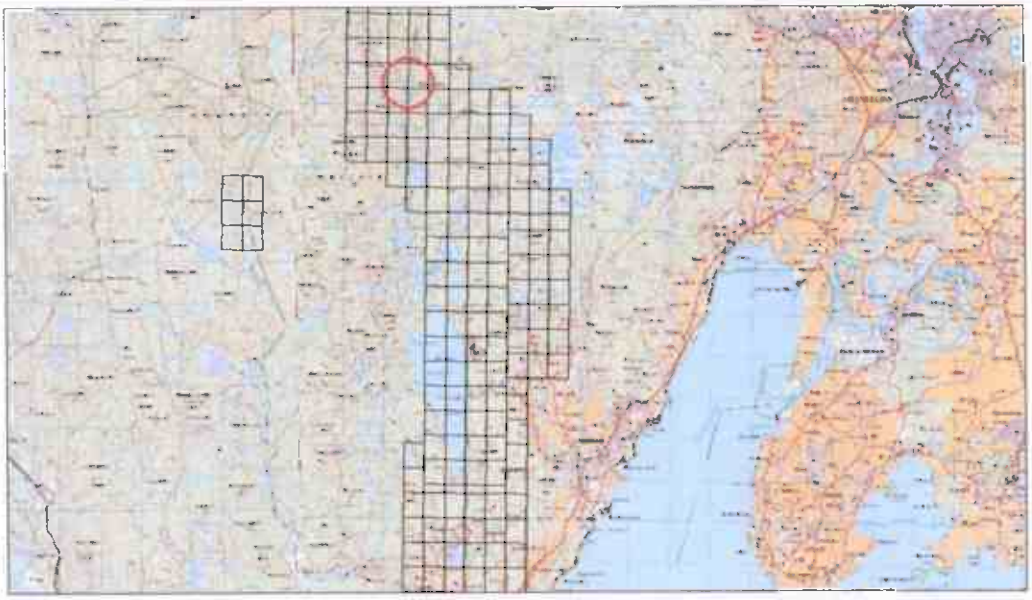


Figure 2. Langdalen Mine Location Map

Previous Work

Late 1800`s	Langdalen Mine in Production – 250,000 tonnes grading 2.5 - 3.5% Ni
1963	included as part of an AEM survey (500m line spacing), an anomaly was detected immediately west of the Mine, ground follow-up failed to confirm the response.

Work Completed by Sulfidmalm

Sept-Oct 2005	included as part of the Hummingbird Heli-EM – Magnetics airborne geophysical survey of the Ertelien Block (98.8km^2). The NGU was contracted by Sulfidmalm to complete the survey. A conductive response was returned over the Langdalen Mine site.
Mar–Apr 2006	a ground UTEM survey grid (1x3km) covered the Mine area and returned 2 conductive responses (Table 1): UTEM Plate `A` -- strong conductor trending parallel to Mine workings UTEM Plate `B` -- short strike length, long shallow dip marginal to workings

2007 Diamond Drilling

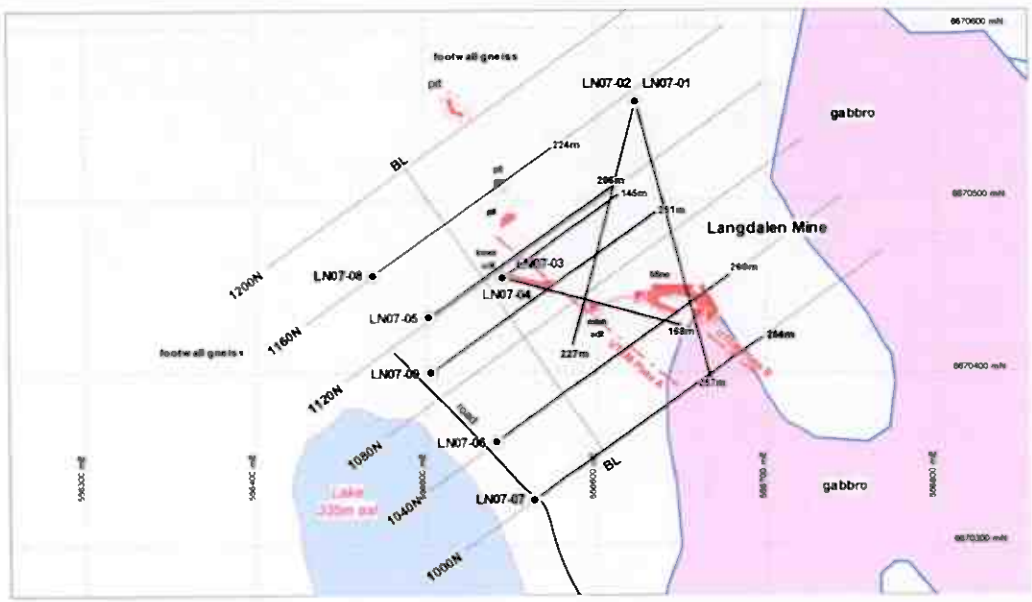


Figure 3. Drill Hole Location Map

Blackstone became operators of the project in late 2006 and in early 2007 initiated the first ever known exploration drilling at the Langdalen Mine deposit (Figure 3). The objective of the program was:

- First pass drilling to determine the nature and extent of the Ni-Cu sulphide system at the Langdalen Mine deposit,
- To test the two UTEM conductors at various locations and at various depths, and
- Provide platform holes for BHEM surveys around the margins of the deposit to assist in vectoring toward other potentially larger and richer sulphide bodies.

Nine exploration diamond drill holes totalling 1,992m were completed during a 28 day period commencing February 4th, 2007 (Table 2).

Table 2. Summary Drill Hole Data

Drill Hole	Target	Northing	Easting	Elev.	Az.	Dip	Depth	Start	Finish
LN07-01	Langdalen Mine	6670557	556624	375	165	-50	257	4-Feb-07	9-Feb-07
LN07-02	Langdalen Mine	6670557	556624	375	195	-50	227	10-Feb-07	13-Feb-07
LN07-03	Langdalen Mine	6670455	556545	353	55	-55	145	14-Feb-07	16-Feb-07
LN07-04	Langdalen Mine	6670455	556545	353	105	-50	168	16-Feb-07	17-Feb-07
LN07-05	Langdalen Mine	6670432	556502	341	55	-50	206	17-Feb-07	19-Feb-07
LN07-06	Langdalen Mine	6670360	556541	340	55	-50	260	19-Feb-07	23-Feb-07
LN07-07	Langdalen Mine	6670326	556563	340	55	-50	254	23-Feb-07	26-Feb-07
LN07-08	Langdalen Mine	6670456	556469	340	55	-55	224	26-Feb-07	2-Mar-07
LN07-09	Langdalen Mine	6670400	556500	340	55	-50	251	2-Mar-07	3-Mar-07
9 holes, 1992 m									

Table 3. Summary Drill Hole Targets and Results

Drill Hole	Target area	Drill Target	Drill Results
LN07-01	Langdalen Mine	Main Mine deposit open pit at depth	intersected gabbro over 19m @ 63m & FW-hosted sulfs -- 0.43% Ni / 0.50m @ 238m
LN07-02	Langdalen Mine	west margin of Mine workings below Main Adit	intersected anomalous Au at upper contact of gabbro interval -- 0.23g Au / 0.80m @ 164m
LN07-03	Langdalen Mine	shallow UTEM Plate 'A' at Lower Adit	hit narrow Ni-Cu sulphides at collar -- same sulphide as LN07-04
LN07-04	Langdalen Mine	down azimuth of Lower Adit toward Main Mine	hit MS under Adit -- 1.97% Ni / 1.30m @ 4.55m & anomalous Ni-Cu-Au / 3.00m @ 91m
LN07-05	Langdalen Mine	dip extension of UTEM Plate 'A' below LN07-04	hit FW-hosted sulphide s with Au below Lower Adit -- 1.39% Ni - 0.23g Au / 2.30m @ 76m
LN07-06	Langdalen Mine	dip extension of UTEM Plate 'A' & Main Mine deposit at depth	hit thin MS vein -- 1.35% Ni / 0.12m @ 172m & anomalous Au -- 0.28g Au / 0.65m @ 187m
LN07-07	Langdalen Mine	shallow dip extension of UTEM Plate 'B' & Main Mine deposit at depth	No Appreciable Sulphides intersected. No Intrusive rocks intersected.
LN07-08	Langdalen Mine	strike extension of Main Mine deposit & UTEM Plate 'A' & under small surface pit	hit FW-hosted Ni with anomalous Au -- 0.96% Ni - 0.21g Au / 1.00m @ 149m
LN07-09	Langdalen Mine	west margin of Main Mine deposit & dip extension of UTEM Plate 'A'	hit high grade Au associated with Ni in gabbro 0.34% Ni - 20.8g Au / 3.85m incl. **150g Au / 0.5m**

Table 4. Best Assay Results

Hole No.	From	To	L (m)	% Ni	% Cu	% Co	Pt g/t	Pd g/t	Au g/t	Ag g/t	% S	Comment
LN07-01	237.80	238.30	0.50	**0.43**	0.07	0.02	0.00	0.04	0.02	7.00	6.21	Best Ni Assay in LN07-01
LN07-02	163.30	163.70	0.40	0.19	0.21	0.01	0.01	0.01	0.09	2.50	2.95	Best Ni Assay in LN07-02
LN07-02	163.70	164.50	0.80	0.02	0.13	0.00	0.01	0.02	**0.23**	12.00	0.31	trace Ni, minor Cu-S, Anomalous Au-Ag
LN07-03	3.90	4.50	0.60	**0.40**	0.43	0.03	0.01	0.03	0.02	2.50	5.19	Best Ni-Cu Assay in LN07-03
LN07-04	**4.55**	**5.85**	**1.30**	**1.97**	**0.58**	0.07	0.02	0.03	0.04	2.50	25.23	Ni-Cu MS / 1.30m at collar
includes	4.55	5.55	**1.00**	**2.31**	**0.61**	0.08	0.02	0.02	0.03	2.50	29.59	Ni-Cu MS / 1.00m
LN07-04	68.80	71.00	2.20	0.00	0.04	0.00	0.00	0.00	**0.38**	2.50	1.72	nil Ni-Cu, Anomalous Au
LN07-04	91.00	94.00	3.00	**0.40**	**0.59**	0.03	0.00	0.03	**0.14**	6.18	6.47	Ni-Cu-Au Sulphides / 3.00m
includes	91.00	91.30	0.30	0.35	**1.13**	0.02	0.00	0.01	**0.17**	11.00	6.21	some Ni, good Cu, Anomalous Au
includes	92.85	93.30	0.45	**1.75**	0.58	0.08	0.01	0.08	**0.15**	6.00	23.12	Ni - Cu - Au MS / 0.45m
includes	93.70	94.00	0.30	0.11	1.71	0.01	0.00	0.04	**0.26**	15.00	5.07	good Ni-Cu, Anomalous Au
LN07-05	76.50	78.80	**2.30**	**1.39**	**1.85**	0.07	0.02	0.10	**0.23**	23.04	19.92	Ni-Cu-Au-Ag MS / 2.30m
includes	76.50	77.20	0.70	0.12	**0.53**	0.01	0.00	0.01	**0.58**	8.00	2.25	minors Ni, good Cu, Anomalous Au
includes	77.20	78.80	**1.60**	**1.94**	**2.43**	0.09	0.03	0.14	0.08	**29.63**	27.65	Ni-Cu-Pd-Ag MS / 1.60m

Hole No.	From	To	L (m)	% Ni	% Cu	% Co	Pt g/t	Pd g/t	Au g/t	Ag g/t	% S	Comment
LN07-06	172.28	172.40	0.12	**1.35**	**1.19**	0.23	0.04	0.02	0.07	11.00	25.96	narrow Ni-Cu-Co MS / 0.12m
LN07-06	173.60	173.90	0.30	0.33	**1.01**	0.02	0.00	0.03	0.02	8.00	5.10	some Ni, good Cu
LN07-06	182.00	185.00	3.00	0.00	0.04	0.00	0.00	0.00	**0.15**	2.50	3.04	nil Ni-Cu, minor S, Anomolous Au / 3.00m
LN07-06	187.20	187.85	0.65	0.00	0.07	0.00	0.00	0.00	**0.28**	2.50	5.37	nil Ni-Cu, some S, Anomolous Au / 0.65m
LN07-07	No Samples											No Assays
LN07-08	149.25	150.25	1.00	**0.96**	0.66	0.04	0.03	0.05	**0.21**	7.13	13.11	Ni-Cu-Au SMS / 1.00m
includes	149.25	149.50	0.25	**1.34**	**0.77**	0.06	0.00	0.04	0.07	8.00	18.70	Ni-Cu SMS / 0.25m
includes	149.75	150.25	0.50	**1.04**	**0.72**	0.04	0.06	0.05	**0.38**	9.00	14.11	Ni-Cu-Au in SMS / 0.50m
LN07-09	138.80	142.65	3.85	0.34	0.07	0.02	0.05	0.09	**20.84**	19.77	4.44	some Ni, nil Cu, high grade Au / 3.85m
includes	138.80	139.30	0.50	0.07	0.03	0.00	**0.37**	**0.53**	**150.17**	**133.00**	0.86	**Bonanza Grade Au, Ag, Anom. Pt, Pd**
includes	139.30	139.65	0.35	**0.92**	0.40	0.05	0.02	0.06	**9.23**		12.59	Ni-Cu-high grade Au in SMS / 0.35m
includes	141.35	141.65	0.30	**2.49**	0.13	0.10	0.01	**0.16**	**0.95**	2.50	32.56	Ni-Cu-Co-Au-Pd MS / 0.30m
includes	141.65	142.65	1.00	0.17	0.08	0.01	0.00	0.01	**1.57**	2.50	2.30	some Ni, nil Cu, Anomalous Au / 1.00m
LN07-09	170.95	171.25	0.30	**1.06**	0.05	0.04	0.03	0.07	0.01	2.50	14.41	Ni SMS / 0.30m

Discussion

Targeting below the Main Mine deposit, drilling intersected some Ni-Cu massive sulphides to explain the UTEM conductor. Sulphides were intersected below the Langdalen Mine open cut and extending for a distance of at least 150m and to a depth of more than 200m. The sulphides are characterized by variable proportions of Ni-Cu-Au-Pt-Pd-S including massive sulphide veins and quartz veins locally with spectacular Au values. The Zone transcends a package of rocks dominated by Felsic and Mafic Gneisses with only 3 holes intersecting ultramafic intrusive rocks. Eight of the nine holes drilled intersected Ni-Cu +/- Au in the zone.

Some key observations and interpretations that define the Footwall Zone include:

- At the Langdalen Mine, an ultramafic intrusive (dyke?) was emplaced along a NW trending structure through the gneissic complex. This ultramafic was intersected by holes LN07-01, -02, and -03 and was mineralized in the later two.

- Associated with the ultramafic are Ni-Cu sulphides occurring as massive and semi-massive veins and also as remobilized veins in the footwall gneisses within the NW-trending structural corridor.

- Halo to the sulphide veins are dark grey, sulphidic quartz veins – commonly with anomalous Au (0.2-0.5 g/t) and locally with visible gold (sample number PG05062 in hole LN07-09, 150 g/t Au). Sericite alteration in the gneisses is commonly associated with the quartz veins.

- Where is the source of the ultramafic and the sulphides? Is this a dyke or feeder connecting to a larger intrusion hosting a larger sulphide body? Langdalen Mine occurs on the edge of a large magnetic high feature of unknown origin. Mapping is required.

- Exploration potential remains very good as the Zone remains open at depth and along strike.

Recommendations

Drill results from the Langdalen Mine area continues to provide encouraging results. A follow up program is planned:

- Detailed Geological and Structural Mapping of the gabbro body and 500m into the footwall.

- BHEM Geophysical Surveys of all holes.

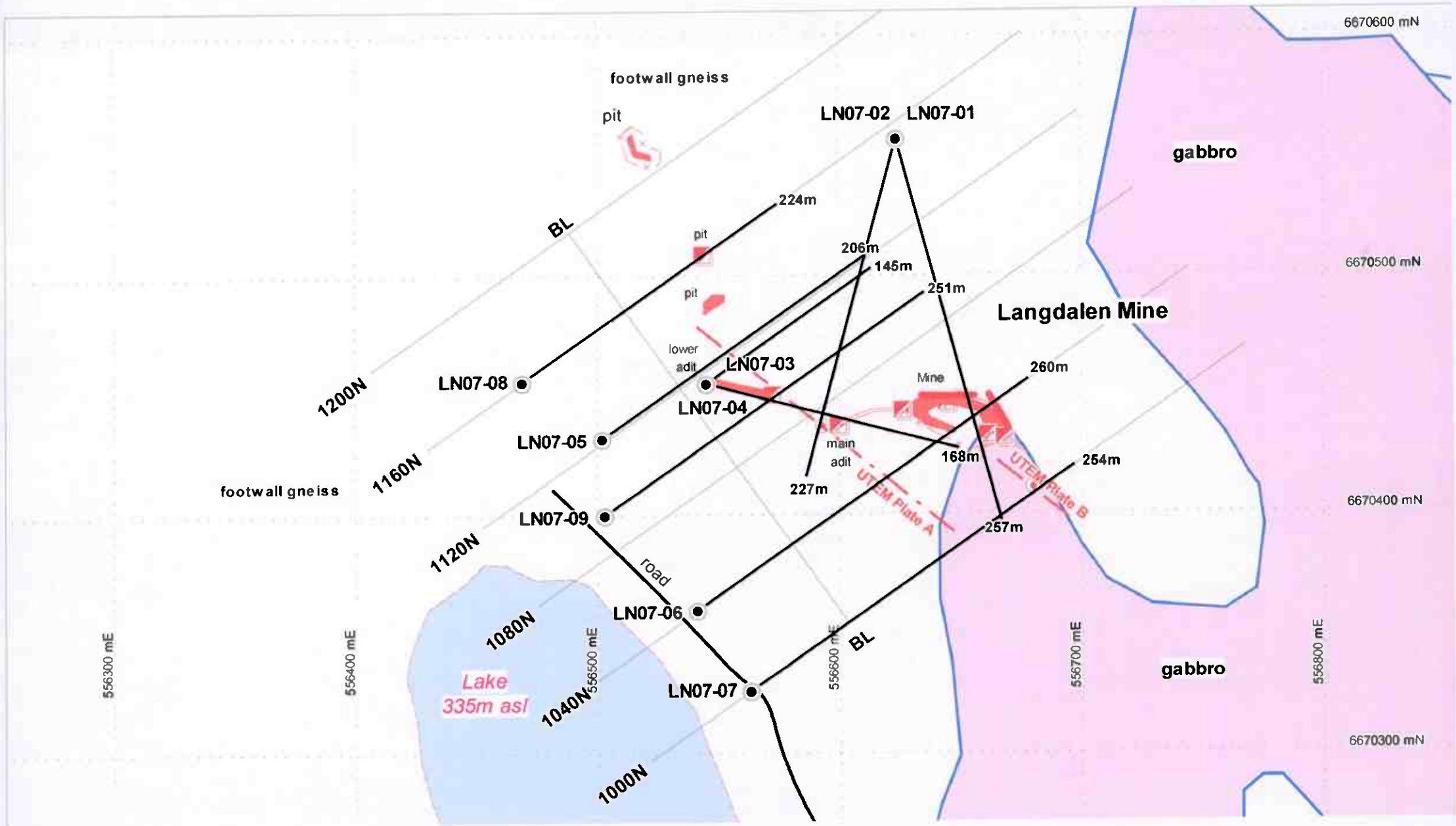
- Drilling – additional holes should include:
    - Dip extension of the LN07-09 and LN07-05 intersections.
    - New Targets generated from BHEM and Geological Mapping results,
    - Continue to define the strike and dip extensions of the Footwall Sulphide Zone,

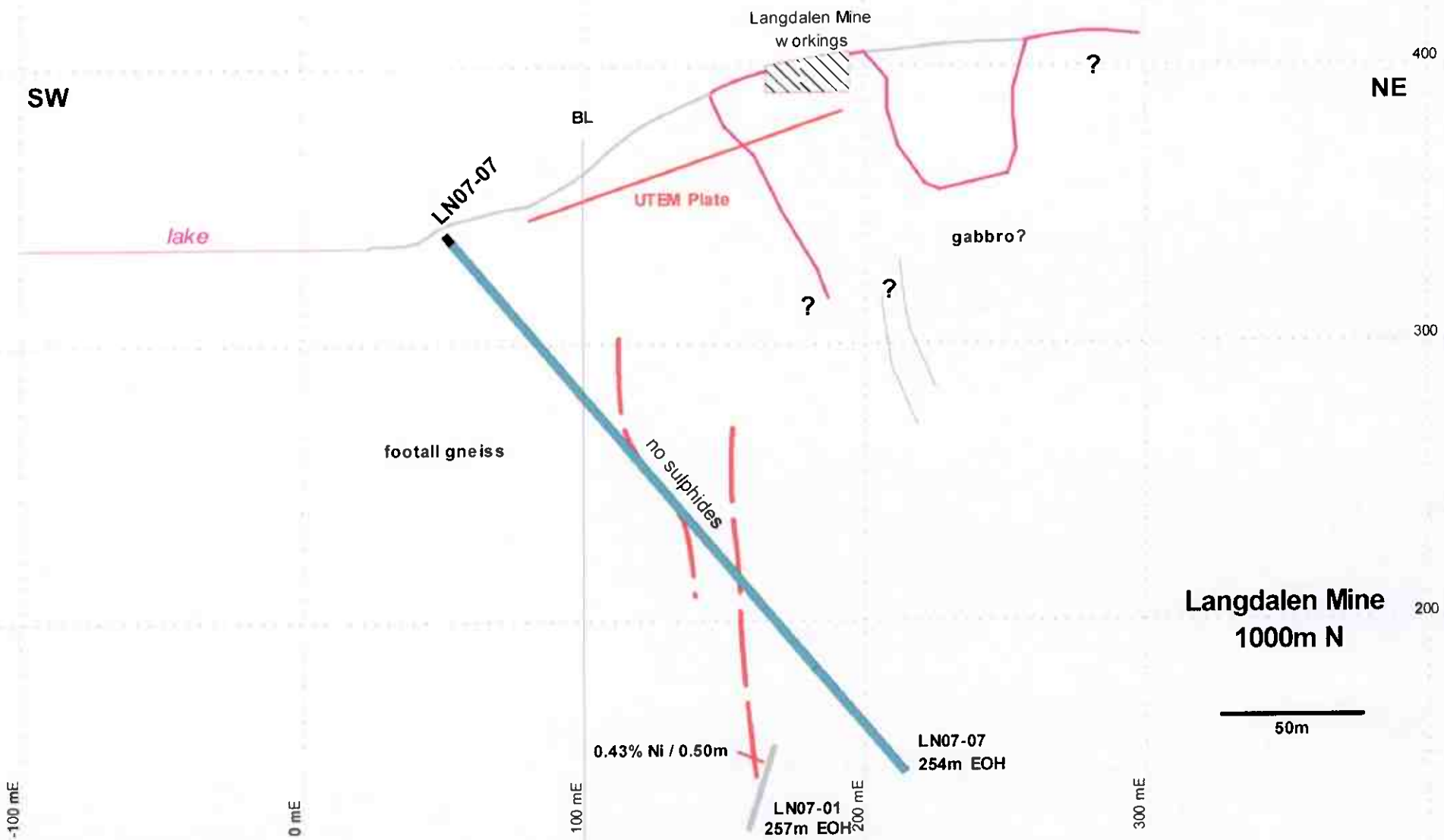
APPENDIX A – ASSAYS

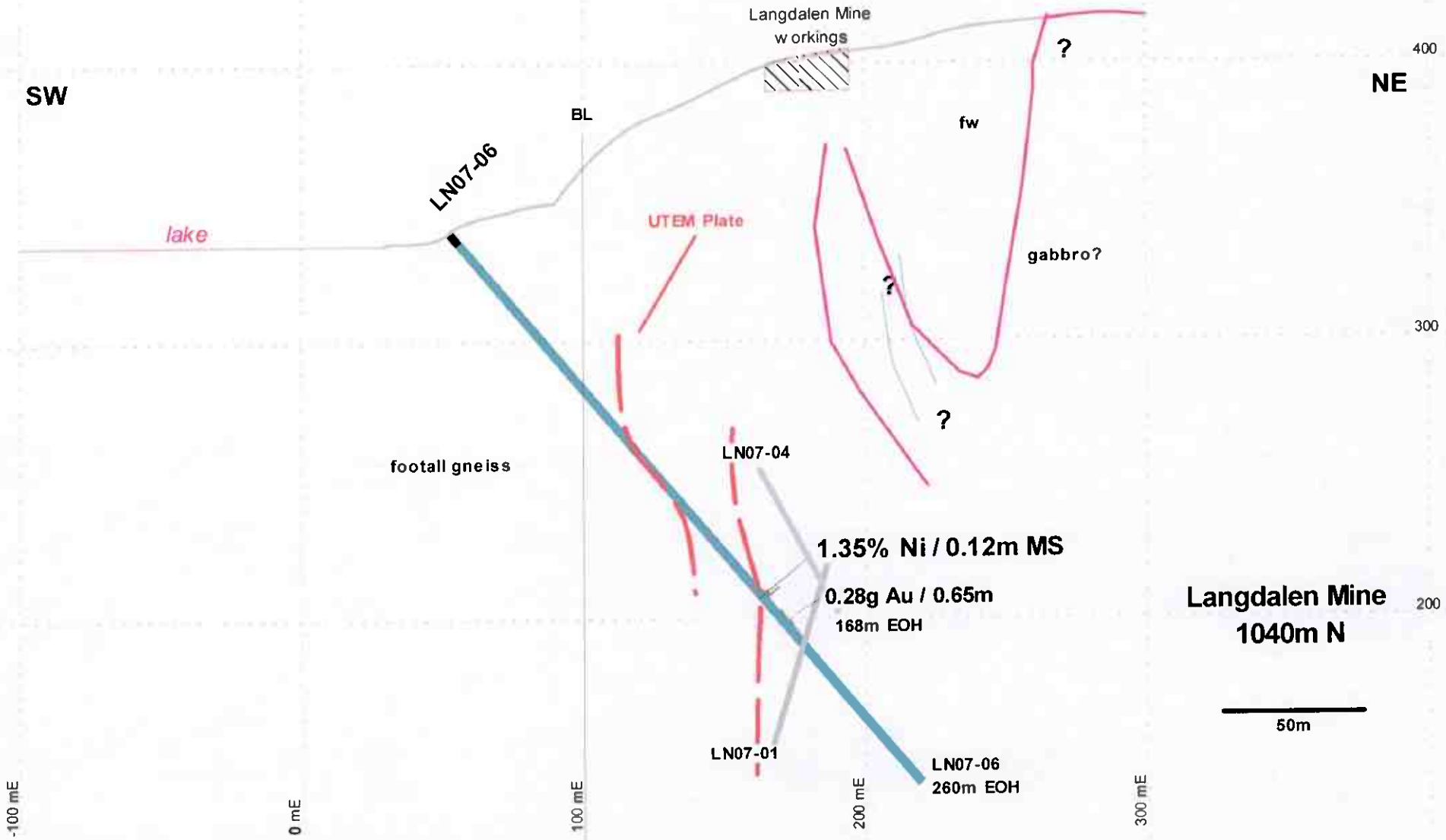
Hole No.	Sample No.	From	To	L (m)	% Ni	% Cu	% Co	Pt g/t	Pd g/t	Au g/t	Ag g/t	% S
LN07-01	PG04985	112.50	113.00	0.50	0.00	0.00	0.00	0.00	0.00	0.01	2.50	2.05
LN07-01	PG04986	208.80	209.70	0.90	0.00	0.02	0.00	0.00	0.00	0.01	2.50	1.22
LN07-01	PG04987	209.70	210.70	1.00	0.00	0.03	0.00	0.00	0.00	0.14	2.50	2.95
LN07-01	PG04988	210.70	211.35	0.65	0.00	0.02	0.00	0.00	0.00	0.09	2.50	2.06
LN07-01	PG04989	211.35	212.00	0.65	0.00	0.02	0.00	0.00	0.00	0.05	2.50	1.06
LN07-01	PG04991	214.70	215.40	0.70	0.01	0.02	0.00	0.00	0.00	0.02	2.50	1.64
LN07-01	PG04992	237.80	238.30	0.50	0.43	0.07	0.02	0.00	0.04	0.02	7.00	6.21
LN07-01	PG04993	238.30	239.50	1.20	0.02	0.03	0.00	0.01	0.01	0.01	2.50	0.64
LN07-02	PG04994	149.70	150.80	1.10	0.00	0.02	0.00	0.00	0.00	0.14	2.50	1.88
LN07-02	PG04995	163.30	163.70	0.40	0.19	0.21	0.01	0.01	0.01	0.09	2.50	2.95
LN07-02	PG04996	163.70	164.50	0.80	0.02	0.13	0.00	0.01	0.02	0.23	12.00	0.31
LN07-02	PG04997	177.20	177.60	0.40	0.03	0.14	0.01	0.00	0.00	0.01	2.50	1.25
LN07-02	PG04998	177.60	178.60	1.00	0.01	0.01	0.00	0.00	0.00	0.00	2.50	0.10
LN07-02	PG04999	178.60	179.00	0.40	0.03	0.05	0.00	0.00	0.00	0.01	2.50	0.54
LN07-03	PG05000	3.90	4.50	0.60	0.40	0.43	0.03	0.01	0.03	0.02	2.50	5.19
LN07-03	PG05001	4.50	5.40	0.90	0.01	0.01	0.00	0.00	0.00	0.00	2.50	0.17
LN07-04	PG05017	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01	2.50	0.19
LN07-04	PG05002	4.55	5.55	1.00	2.31	0.61	0.08	0.02	0.02	0.03	2.50	29.59
LN07-04	PG05003	5.55	5.85	0.30	0.83	0.51	0.03	0.00	0.04	0.05	2.50	10.69
LN07-04	PG05004	5.85	6.85	1.00	0.02	0.02	0.00	0.00	0.00	0.00	2.50	0.34
LN07-04	PG05005	61.90	62.90	1.00	0.00	0.04	0.00	0.01	0.01	0.02	2.50	2.07
LN07-04	PG05006	68.80	69.80	1.00	0.00	0.03	0.00	0.00	0.00	0.35	2.50	1.62
LN07-04	PG05007	69.80	71.00	1.20	0.00	0.04	0.00	0.00	0.00	0.41	2.50	1.80
LN07-04	PG05008	90.00	91.00	1.00	0.00	0.08	0.00	0.00	0.00	0.19	2.50	1.93
LN07-04	PG05009	91.00	91.30	0.30	0.35	1.13	0.02	0.00	0.01	0.17	11.00	6.21
LN07-04	PG05011	91.30	92.00	0.70	0.01	0.03	0.00	0.00	0.00	0.02	2.50	0.26
LN07-04	PG05012	92.00	92.30	0.30	0.48	1.51	0.06	0.00	0.04	0.18	13.00	8.74
LN07-04	PG05013	92.30	92.85	0.55	0.21	0.26	0.03	0.00	0.04	0.02	2.50	3.94
LN07-04	PG05014	92.85	93.30	0.45	1.75	0.58	0.08	0.01	0.08	0.15	6.00	23.12
LN07-04	PG05015	93.30	93.70	0.40	0.00	0.13	0.00	0.00	0.00	0.35	2.50	1.61
LN07-04	PG05016	93.70	94.00	0.30	0.11	1.71	0.01	0.00	0.04	0.26	15.00	5.07
LN07-04	PG05018	94.00	95.00	1.00	0.00	0.03	0.00	0.00	0.00	0.11	2.50	0.89
LN07-05	PG05021	75.50	76.50	1.00	0.00	0.01	0.00	0.00	0.00	0.01	2.50	0.32
LN07-05	PG05022	76.50	77.20	0.70	0.12	0.53	0.01	0.00	0.01	0.58	8.00	2.25
LN07-05	PG05023	77.20	77.70	0.50	1.89	1.64	0.09	0.04	0.05	0.09	21.00	26.73
LN07-05	PG05024	77.70	78.20	0.50	1.80	1.87	0.09	0.00	0.12	0.05	21.00	25.71
LN07-05	PG05025	78.20	78.80	0.60	2.10	3.56	0.10	0.04	0.23	0.10	44.00	30.02
LN07-05	PG05027	78.80	79.30	0.50	0.03	0.04	0.00	0.00	0.01	0.01	2.50	0.39
LN07-05	PG05028	79.30	80.30	1.00	0.00	0.02	0.00	0.00	0.00	0.00	2.50	0.38
LN07-06	PG05029	171.00	171.78	0.78	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.37
LN07-06	PG05031	171.78	172.28	0.50	0.07	0.07	0.01	0.00	0.03	0.01	2.50	1.74
LN07-06	PG05032	172.28	172.40	0.12	1.35	1.19	0.23	0.04	0.02	0.07	11.00	25.96

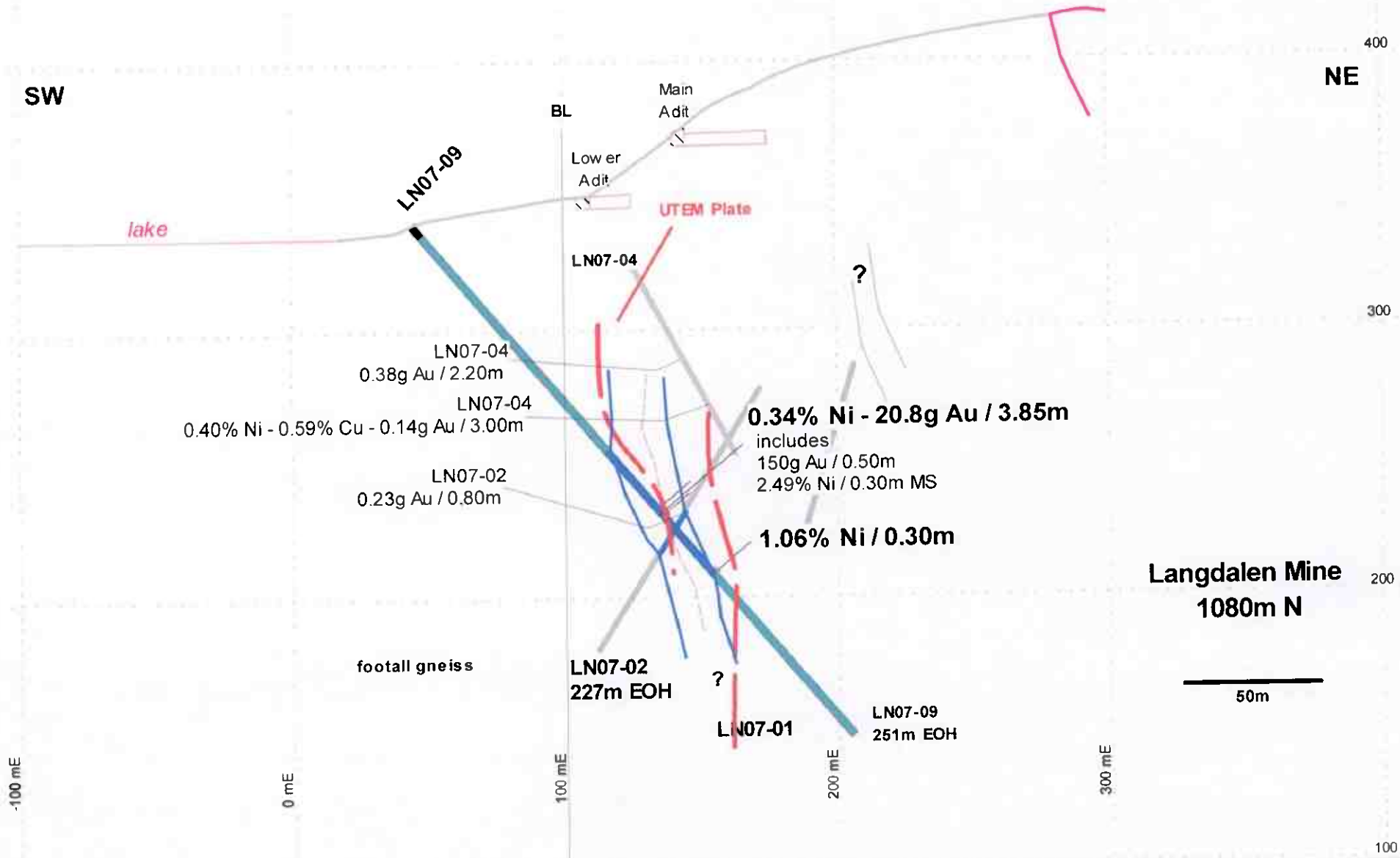
Hole No.	Sample No.	From	To	L (m)	% Ni	% Cu	% Co	Pt g/t	Pd g/t	Au g/t	Ag g/t	% S
LN07-06	PG05034	172.40	173.08	0.68	0.06	0.07	0.00	0.00	0.00	0.01	2.50	1.01
LN07-06	PG05035	173.08	173.60	0.52	0.01	0.01	0.00	0.00	0.00	0.00	2.50	0.12
LN07-06	PG05036	173.60	173.90	0.30	0.33	1.01	0.02	0.00	0.03	0.02	8.00	5.10
LN07-06	PG05037	173.90	174.40	0.50	0.00	0.02	0.00	0.00	0.00	0.00	2.50	0.22
LN07-06	PG05038	174.40	175.00	0.60	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.19
LN07-06	PG05039	180.00	180.85	0.85	0.00	0.02	0.00	0.00	0.00	0.02	2.50	0.88
LN07-06	PG05040	180.85	182.00	1.15	0.01	0.03	0.01	0.00	0.00	0.09	2.50	2.55
LN07-06	PG05041	182.00	183.40	1.40	0.00	0.04	0.00	0.00	0.00	0.12	2.50	2.47
LN07-06	PG05042	183.40	184.20	0.80	0.01	0.07	0.00	0.00	0.00	0.20	2.50	4.98
LN07-06	PG05043	184.20	185.00	0.80	0.00	0.03	0.00	0.00	0.00	0.15	2.50	2.10
LN07-06	PG05044	185.00	186.00	1.00	0.01	0.03	0.00	0.00	0.00	0.06	2.50	2.07
LN07-06	PG05045	186.00	187.20	1.20	0.01	0.02	0.00	0.00	0.00	0.05	2.50	1.11
LN07-06	PG05046	187.20	187.85	0.65	0.00	0.07	0.00	0.00	0.00	0.28	2.50	5.37
LN07-06	PG05047	187.85	188.50	0.65	0.00	0.01	0.00	0.00	0.00	0.01	2.50	0.46
LN07-06	PG05048	188.50	190.00	1.50	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.48
LN07-06	PG05049	190.00	190.80	0.80	0.00	0.03	0.00	0.00	0.00	0.02	2.50	1.19
LN07-06	PG05051	190.80	191.20	0.40	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.22
LN07-08	PG05052	148.00	148.75	0.75	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.09
LN07-08	PG05053	148.75	149.25	0.50	0.00	0.02	0.00	0.00	0.00	0.00	2.50	0.23
LN07-08	PG05054	149.25	149.50	0.25	1.34	0.77	0.06	0.00	0.04	0.07	8.00	18.70
LN07-08	PG05056	149.50	149.75	0.25	0.40	0.43	0.02	0.00	0.05	0.03	2.50	5.50
LN07-08	PG05057	149.75	150.25	0.50	1.04	0.72	0.04	0.06	0.05	0.38	9.00	14.11
LN07-08	PG05059	150.25	150.75	0.50	0.01	0.02	0.00	0.00	0.00	0.00	2.50	0.29
LN07-08	PG05060	150.75	152.00	1.25	0.02	0.04	0.00	0.00	0.00	0.01	2.50	0.41
LN07-09	PG05061	138.00	138.80	0.80	0.01	0.01	0.00	0.00	0.00	0.05	2.50	0.18
LN07-09	PG05062	138.80	139.30	0.50	0.07	0.03	0.00	0.37	0.53	150.17	133.00	0.86
LN07-09	PG05063	139.30	139.65	0.35	0.92	0.40	0.05	0.02	0.06	9.23	6.00	12.59
LN07-09	PG05065	139.65	140.00	0.35	0.01	0.01	0.00	0.00	0.00	0.03	2.50	0.13
LN07-09	PG05066	140.00	141.00	1.00	0.01	0.00	0.00	0.00	0.00	0.03	2.50	0.09
LN07-09	PG05067	141.00	141.35	0.35	0.02	0.01	0.00	0.00	0.00	0.01	2.50	0.13
LN07-09	PG05068	141.35	141.65	0.30	2.49	0.13	0.10	0.01	0.16	0.95	2.50	32.56
LN07-09	PG05071	141.65	142.00	0.35	0.06	0.04	0.01	0.01	0.01	2.96	2.50	0.82
LN07-09	PG05072	142.00	142.45	0.45	0.01	0.02	0.00	0.00	0.00	0.40	2.50	0.24
LN07-09	PG05073	142.45	142.65	0.20	0.73	0.31	0.03	0.00	0.04	1.78	2.50	9.53
LN07-09	PG05074	142.65	143.00	0.35	0.02	0.02	0.00	0.00	0.00	0.06	2.50	0.39
LN07-09	PG05075	143.00	144.00	1.00	0.02	0.01	0.00	0.00	0.00	0.07	2.50	0.27
LN07-09	PG05076	169.50	170.50	1.00	0.01	0.01	0.00	0.00	0.00	0.00	2.50	0.11
LN07-09	PG05077	170.50	170.95	0.45	0.01	0.00	0.00	0.00	0.00	0.00	2.50	0.05
LN07-09	PG05078	170.95	171.25	0.30	1.06	0.05	0.04	0.03	0.07	0.01	2.50	14.41
LN07-09	PG05080	171.25	171.75	0.50	0.03	0.04	0.00	0.00	0.00	0.01	2.50	0.48
LN07-09	PG05081	171.75	172.75	1.00	0.01	0.02	0.00	0.00	0.00	0.01	2.50	0.27

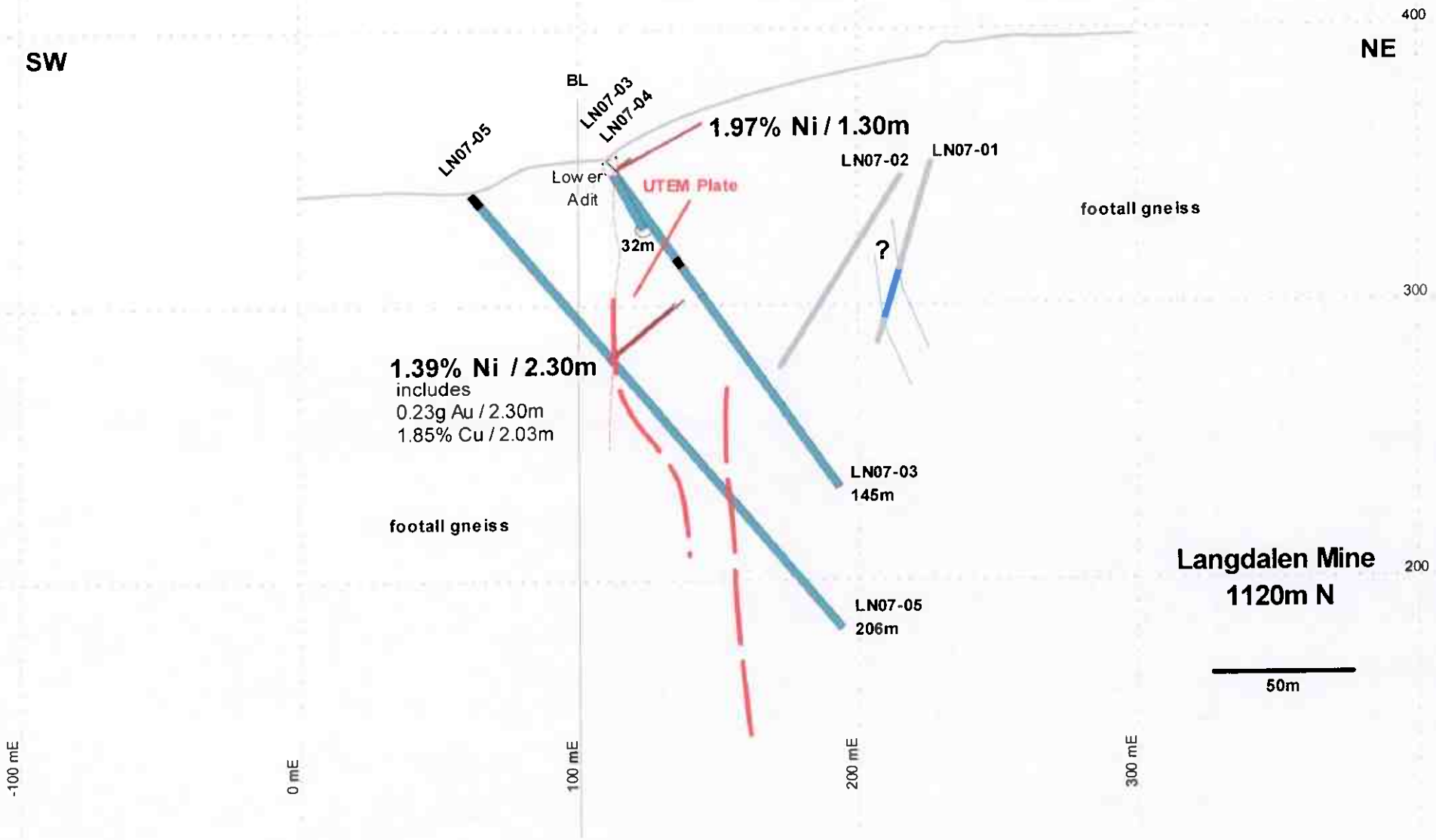
APPENDIX B -- DRILL SECTIONS

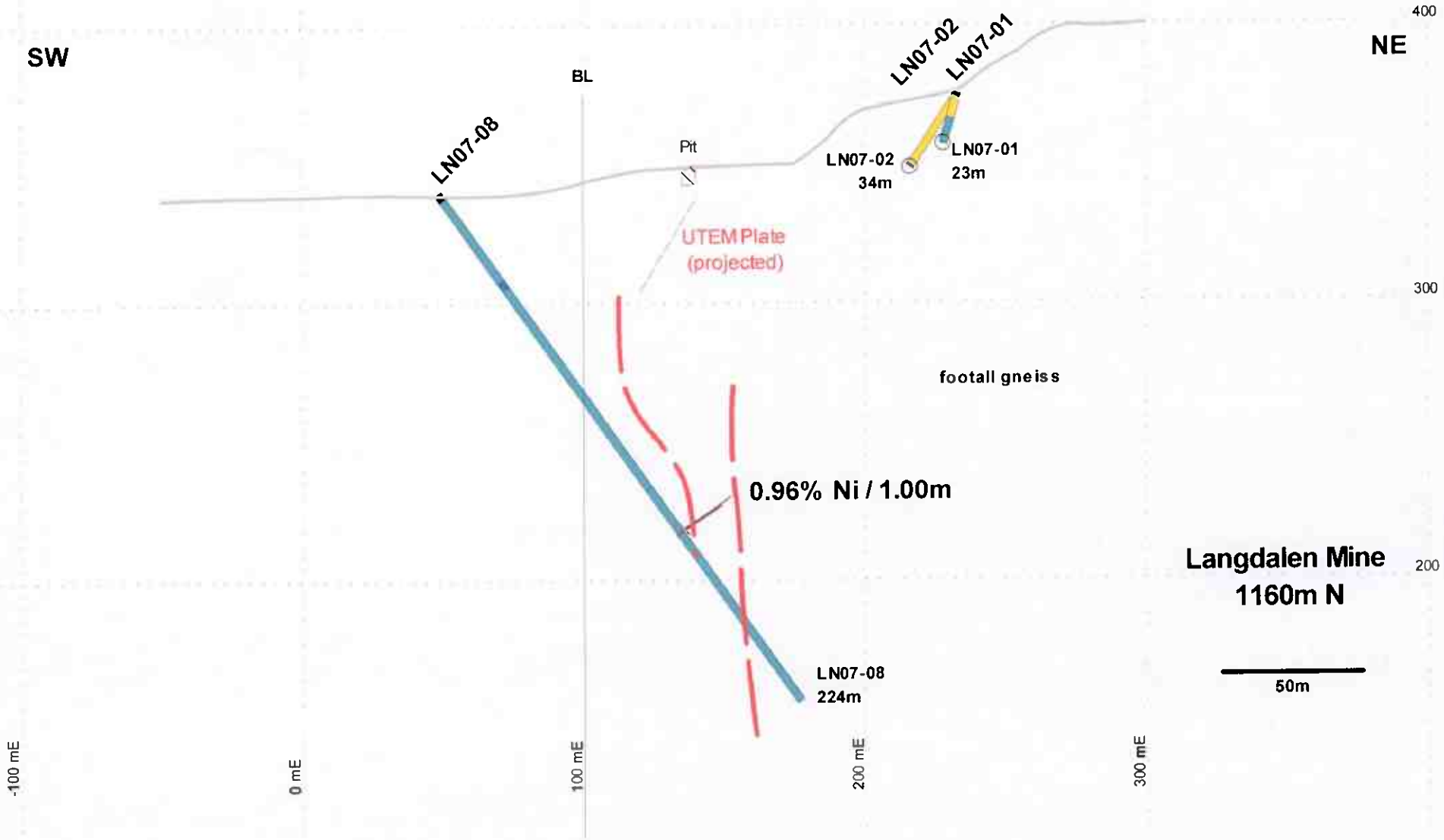

footwall gneiss
pit
LN07-02
LN07-01
gabbro
224m
BL
pit
206m
145m
251m
pit
Langdalen Mine
lower
adit
LN07-03
Mine
260m
1200N
LN07-08
LN07-04
LN07-05
main
adit
168m
254m
1160N
footwall gneiss
227m
UTEM Plate A
UTEM Plate B
LN07-09
257m
1120N
road
LN07-06
1080N
556300 mE
556400 mE
556500 mE
556600 mE
556700 mE
556800 mE
BL
gabbro
Lake
335m asl
1040N
LN07-07
1000N
6670600 mN
6670500 mN
6670400 mN
6670300 mN


SW
NE
Langdalen Mine
workings
BL
LN07-07
UTEM Plate
lake
gabbro?
?
?
?
footall gneiss
no sulphides
0.43% Ni / 0.50m
LN07-07
254m EOH
LN07-01
257m EOH
-100 mE
0 mE
100 mE
200 mE
300 mE
400
300
200
Langdalen Mine
1000m N
50m


SW
NE
Langdalen Mine
workings
BL
LN07-06
lake
UTEM Plate
fw
gabbro?
?
?
?
footall gneiss
LN07-04
1.35% Ni / 0.12m MS
0.28g Au / 0.65m
168m EOH
LN07-01
LN07-06
260m EOH
Langdalen Mine
1040m N
50m
400
300
200
-100 mE
0 mE
100 mE
200 mE
300 mE


SW
NE
BL
Main Adit
Lower Adit
LN07-09
lake
UTEM Plate
LN07-04
?
LN07-04
0.38g Au / 2.20m
LN07-04
0.40% Ni - 0.59% Cu - 0.14g Au / 3.00m
LN07-02
0.23g Au / 0.80m
0.34% Ni - 20.8g Au / 3.85m
includes
150g Au / 0.50m
2.49% Ni / 0.30m MS
1.06% Ni / 0.30m
Langdalen Mine
1080m N
50m
footall gneiss
LN07-02
227m EOH
?
LN07-01
LN07-09
251m EOH
-100 mE
0 mE
100 mE
200 mE
300 mE
400
300
200
100


SW
NE
400
300
200
BL
LN07-05
LN07-03
LN07-04
1.97% Ni / 1.30m
LN07-02
LN07-01
Lower Adit
UTEM Plate
32m
?
footall gneiss
1.39% Ni / 2.30m
includes
0.23g Au / 2.30m
1.85% Cu / 2.03m
LN07-03
145m
footall gneiss
LN07-05
206m
Langdalen Mine
1120m N
50m
-100 mE
0 mE
100 mE
200 mE
300 mE


SW
NE
BL
LN07-08
Pit
LN07-02
LN07-01
LN07-02
34m
LN07-01
23m
UTEM Plate
(projected)
footall gneiss
0.96% Ni / 1.00m
LN07-08
224m
Langdalen Mine
1160m N
50m
400
300
200
-100 mE
0 mE
100 mE
200 mE
300 mE

APPENDIX C -- DRILL LOGS

Drill Hole	Target	Northing	Easting	Elev.	Az.	Dip	Depth	Start	Finish
LN07-01	Langdalen Mine	6670557	556624	375	165	-50	257	4-Feb-07	9-Feb-07
LN07-02	Langdalen Mine	6670557	556624	375	195	-50	227	10-Feb-07	13-Feb-07
LN07-03	Langdalen Mine	6670455	556545	353	55	-55	145	14-Feb-07	16-Feb-07
LN07-04	Langdalen Mine	6670455	556545	353	105	-50	168	16-Feb-07	17-Feb-07
LN07-05	Langdalen Mine	6670432	556502	341	55	-50	206	17-Feb-07	19-Feb-07
LN07-06	Langdalen Mine	6670360	556541	340	55	-50	260	19-Feb-07	23-Feb-07
LN07-07	Langdalen Mine	6670326	556563	340	55	-50	254	23-Feb-07	26-Feb-07
LN07-08	Langdalen Mine	6670456	556469	340	55	-55	224	28-Feb-07	2-Mar-07
LN07-09	Langdalen Mine	6670400	556500	340	55	-50	251	2-Mar-07	3-Mar-07
9 holes, 1992 m									

Hole No.	Sample No.	From	To	L (m)	% Ni	% Cu	% Co	Pt g/t	Pd g/t	Au g/t	Ag g/t	% S
LN07-01	PG04985	112.50	113.00	0.50	0.00	0.00	0.00	0.00	0.00	0.01	2.50	2.05
LN07-01	PG04986	208.80	209.70	0.90	0.00	0.02	0.00	0.00	0.00	0.01	2.50	1.22
LN07-01	PG04987	209.70	210.70	1.00	0.00	0.03	0.00	0.00	0.00	0.14	2.50	2.95
LN07-01	PG04988	210.70	211.35	0.65	0.00	0.02	0.00	0.00	0.00	0.09	2.50	2.06
LN07-01	PG04989	211.35	212.00	0.65	0.00	0.02	0.00	0.00	0.00	0.05	2.50	1.06
LN07-01	PG04991	214.70	215.40	0.70	0.01	0.02	0.00	0.00	0.00	0.02	2.50	1.64
LN07-01	PG04992	237.80	238.30	0.50	0.43	0.07	0.02	0.00	0.04	0.02	7.00	6.21
LN07-01	PG04993	238.30	239.50	1.20	0.02	0.03	0.00	0.01	0.01	0.01	2.50	0.64
LN07-02	PG04994	149.70	150.80	1.10	0.00	0.02	0.00	0.00	0.00	0.14	2.50	1.88
LN07-02	PG04995	163.30	163.70	0.40	0.19	0.21	0.01	0.01	0.01	0.09	2.50	2.95
LN07-02	PG04996	163.70	164.50	0.80	0.02	0.13	0.00	0.01	0.02	0.23	12.00	0.31
LN07-02	PG04997	177.20	177.60	0.40	0.03	0.14	0.01	0.00	0.00	0.01	2.50	1.25
LN07-02	PG04998	177.60	178.60	1.00	0.01	0.01	0.00	0.00	0.00	0.00	2.50	0.10
LN07-02	PG04999	178.60	179.00	0.40	0.03	0.05	0.00	0.00	0.00	0.01	2.50	0.54
LN07-03	PG05000	3.90	4.50	0.60	0.40	0.43	0.03	0.01	0.03	0.02	2.50	5.19
LN07-03	PG05001	4.50	5.40	0.90	0.01	0.01	0.00	0.00	0.00	0.00	2.50	0.17
LN07-04	PG05017	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.01	2.50	0.19
LN07-04	PG05002	4.55	5.55	1.00	2.31	0.61	0.08	0.02	0.02	0.03	2.50	29.59
LN07-04	PG05003	5.55	5.85	0.30	0.83	0.51	0.03	0.00	0.04	0.05	2.50	10.69
LN07-04	PG05004	5.85	6.85	1.00	0.02	0.02	0.00	0.00	0.00	0.00	2.50	0.34
LN07-04	PG05005	61.90	62.90	1.00	0.00	0.04	0.00	0.01	0.01	0.02	2.50	2.07
LN07-04	PG05006	68.80	69.80	1.00	0.00	0.03	0.00	0.00	0.00	0.35	2.50	1.62
LN07-04	PG05007	69.80	71.00	1.20	0.00	0.04	0.00	0.00	0.00	0.41	2.50	1.80
LN07-04	PG05008	90.00	91.00	1.00	0.00	0.08	0.00	0.00	0.00	0.19	2.50	1.93
LN07-04	PG05009	91.00	91.30	0.30	0.35	1.13	0.02	0.00	0.01	0.17	11.00	6.21
LN07-04	PG05011	91.30	92.00	0.70	0.01	0.03	0.00	0.00	0.00	0.02	2.50	0.26
LN07-04	PG05012	92.00	92.30	0.30	0.48	1.51	0.06	0.00	0.04	0.18	13.00	8.74
LN07-04	PG05013	92.30	92.85	0.55	0.21	0.26	0.03	0.00	0.04	0.02	2.50	3.94
LN07-04	PG05014	92.85	93.30	0.45	1.75	0.58	0.08	0.01	0.08	0.15	6.00	23.12
LN07-04	PG05015	93.30	93.70	0.40	0.00	0.13	0.00	0.00	0.00	0.35	2.50	1.61
LN07-04	PG05016	93.70	94.00	0.30	0.11	1.71	0.01	0.00	0.04	0.26	15.00	5.07
LN07-04	PG05018	94.00	95.00	1.00	0.00	0.03	0.00	0.00	0.00	0.11	2.50	0.89
LN07-05	PG05021	75.50	76.50	1.00	0.00	0.01	0.00	0.00	0.00	0.01	2.50	0.32
LN07-05	PG05022	76.50	77.20	0.70	0.12	0.53	0.01	0.00	0.01	0.58	8.00	2.25
LN07-05	PG05023	77.20	77.70	0.50	1.89	1.64	0.09	0.04	0.05	0.09	21.00	26.73
LN07-05	PG05024	77.70	78.20	0.50	1.80	1.87	0.09	0.00	0.12	0.05	21.00	25.71
LN07-05	PG05025	78.20	78.80	0.60	2.10	3.56	0.10	0.04	0.23	0.10	44.00	30.02
LN07-05	PG05027	78.80	79.30	0.50	0.03	0.04	0.00	0.00	0.01	0.01	2.50	0.39
LN07-05	PG05028	79.30	80.30	1.00	0.00	0.02	0.00	0.00	0.00	0.00	2.50	0.38
LN07-06	PG05029	171.00	171.78	0.78	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.37
LN07-06	PG05031	171.78	172.28	0.50	0.07	0.07	0.01	0.00	0.03	0.01	2.50	1.74
LN07-06	PG05032	172.28	172.40	0.12	1.35	1.19	0.23	0.04	0.02	0.07	11.00	25.96

Hole No.	Sample No.	From	To	L (m)	% Ni	% Cu	% Co	Pt g/t	Pd g/t	Au g/t	Ag g/t	% S
LN07-06	PG05034	172.40	173.08	0.68	0.06	0.07	0.00	0.00	0.00	0.01	2.50	1.01
LN07-06	PG05035	173.08	173.60	0.52	0.01	0.01	0.00	0.00	0.00	0.00	2.50	0.12
LN07-06	PG05036	173.60	173.90	0.30	0.33	1.01	0.02	0.00	0.03	0.02	8.00	5.10
LN07-06	PG05037	173.90	174.40	0.50	0.00	0.02	0.00	0.00	0.00	0.00	2.50	0.22
LN07-06	PG05038	174.40	175.00	0.60	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.19
LN07-06	PG05039	180.00	180.85	0.85	0.00	0.02	0.00	0.00	0.00	0.02	2.50	0.88
LN07-06	PG05040	180.85	182.00	1.15	0.01	0.03	0.01	0.00	0.00	0.09	2.50	2.55
LN07-06	PG05041	182.00	183.40	1.40	0.00	0.04	0.00	0.00	0.00	0.12	2.50	2.47
LN07-06	PG05042	183.40	184.20	0.80	0.01	0.07	0.00	0.00	0.00	0.20	2.50	4.98
LN07-06	PG05043	184.20	185.00	0.80	0.00	0.03	0.00	0.00	0.00	0.15	2.50	2.10
LN07-06	PG05044	185.00	186.00	1.00	0.01	0.03	0.00	0.00	0.00	0.06	2.50	2.07
LN07-06	PG05045	186.00	187.20	1.20	0.01	0.02	0.00	0.00	0.00	0.05	2.50	1.11
LN07-06	PG05046	187.20	187.85	0.65	0.00	0.07	0.00	0.00	0.00	0.28	2.50	5.37
LN07-06	PG05047	187.85	188.50	0.65	0.00	0.01	0.00	0.00	0.00	0.01	2.50	0.46
LN07-06	PG05048	188.50	190.00	1.50	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.48
LN07-06	PG05049	190.00	190.80	0.80	0.00	0.03	0.00	0.00	0.00	0.02	2.50	1.19
LN07-06	PG05051	190.80	191.20	0.40	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.22
LN07-08	PG05052	148.00	148.75	0.75	0.00	0.01	0.00	0.00	0.00	0.00	2.50	0.09
LN07-08	PG05053	148.75	149.25	0.50	0.00	0.02	0.00	0.00	0.00	0.00	2.50	0.23
LN07-08	PG05054	149.25	149.50	0.25	1.34	0.77	0.06	0.00	0.04	0.07	8.00	18.70
LN07-08	PG05056	149.50	149.75	0.25	0.40	0.43	0.02	0.00	0.05	0.03	2.50	5.50
LN07-08	PG05057	149.75	150.25	0.50	1.04	0.72	0.04	0.06	0.05	0.38	9.00	14.11
LN07-08	PG05059	150.25	150.75	0.50	0.01	0.02	0.00	0.00	0.00	0.00	2.50	0.29
LN07-08	PG05060	150.75	152.00	1.25	0.02	0.04	0.00	0.00	0.00	0.01	2.50	0.41
LN07-09	PG05061	138.00	138.80	0.80	0.01	0.01	0.00	0.00	0.00	0.05	2.50	0.18
LN07-09	PG05062	138.80	139.30	0.50	0.07	0.03	0.00	0.37	0.53	150.17	133.00	0.86
LN07-09	PG05063	139.30	139.65	0.35	0.92	0.40	0.05	0.02	0.06	9.23	6.00	12.59
LN07-09	PG05065	139.65	140.00	0.35	0.01	0.01	0.00	0.00	0.00	0.03	2.50	0.13
LN07-09	PG05066	140.00	141.00	1.00	0.01	0.00	0.00	0.00	0.00	0.03	2.50	0.09
LN07-09	PG05067	141.00	141.35	0.35	0.02	0.01	0.00	0.00	0.00	0.01	2.50	0.13
LN07-09	PG05068	141.35	141.65	0.30	2.49	0.13	0.10	0.01	0.16	0.95	2.50	32.56
LN07-09	PG05071	141.65	142.00	0.35	0.06	0.04	0.01	0.01	0.01	2.96	2.50	0.82
LN07-09	PG05072	142.00	142.45	0.45	0.01	0.02	0.00	0.00	0.00	0.40	2.50	0.24
LN07-09	PG05073	142.45	142.65	0.20	0.73	0.31	0.03	0.00	0.04	1.78	2.50	9.53
LN07-09	PG05074	142.65	143.00	0.35	0.02	0.02	0.00	0.00	0.00	0.06	2.50	0.39
LN07-09	PG05075	143.00	144.00	1.00	0.02	0.01	0.00	0.00	0.00	0.07	2.50	0.27
LN07-09	PG05076	169.50	170.50	1.00	0.01	0.01	0.00	0.00	0.00	0.00	2.50	0.11
LN07-09	PG05077	170.50	170.95	0.45	0.01	0.00	0.00	0.00	0.00	0.00	2.50	0.05
LN07-09	PG05078	170.95	171.25	0.30	1.06	0.05	0.04	0.03	0.07	0.01	2.50	14.41
LN07-09	PG05080	171.25	171.75	0.50	0.03	0.04	0.00	0.00	0.00	0.01	2.50	0.48
LN07-09	PG05081	171.75	172.75	1.00	0.01	0.02	0.00	0.00	0.00	0.01	2.50	0.27

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DETAILED LOG

Hole Number: **LN07-01**

Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM:	Collar
Project Number:	203	North:	6670557.00		North:	60.17	Collar
Location:	Surface	East:	556624.00		East:	10.02	Lengt
		Elev:	375.00		Elev:	375.00	Start
Date Started:	Feb 04, 2007	Collar Survey:	N	Plugged: N	Contractor:	Drillcon Core AB	Final
Date Completed:	Feb 09, 2007	Multishot Survey:	N	Hole Size: WL-56/39	Core Storage:		
		Pulse EM Survey:	N	Casing: Left in hole, capped.			

Comments: Hole designed to test approximately 110m down dip of Langdalen Mine main open cut.

Two intrusives were intersected in the upper portion of the drill hole, but neither was mineralized. No significant mineralization was intersected at the interpreted target depth between 110 and 180m.

Sample Averages

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
0	1.20	**O/B, Overburden** Overburden Casing pushed to 2.85m.							
1.20	11.55	**3, Granitic Augen Gneiss** Garnet - Amphibole Augen Gneiss Dark grey-green with a dark red tint, fine grained and hard. 5% to 10% white to orange augens, from 1 to 5mm, rounded to ovoid - appears to be feldspar with gradational grain boundaries. Unit composed of augens, 5% to 10% fine (<0.5mm) dark red garnets, 10% to 15% dark green amphibole and the remainder primarily a fine grained quartz. Well developed gneissic banding - initially at 15 deg. to CA. Weakly to moderately magnetic. 1.20 - 3.85□Partially broken core - along weakly oxidyzed fractures. @ 11.55□□Contact with following unit? distinct colour change to light grey-pink at 15 deg. to CA. **Structure** 1.80 - 1.80 : GN Gneissic, 14 Deg to CA 4.90 - 4.90 : GN Gneissic, 18 Deg to CA 7.10 - 7.10 : GN Gneissic, 18 Deg to CA 10.70 - 10.70 : GN Gneissic, 20 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
11.55	34.00	**FGN, Felsic Gneiss** Granitic Gneiss (Siliceous Metasediment) Colour varies from light orange to mixed grey-orange to grey-green. Fine grained throughout with distinct gneissic banding that locally is folded. Local sections with 1% to 3% augens (1 to 6mm) - feldspar - quartz composition. Unit primarily composed of fine quartz with 5% to 10% very fine amphibole. weakly magnetic 11.55 - 14.00☐Section with 25 to 5% white to pale pink augens - 1 to 5mm in length, ovoid and aligned parallel ☐☐to gneissic banding. ☐☐partially broken. 20.84 - 21.11☐A 15 to 20mm quartz vein at 10 deg. to CA ☐☐5% pale green wall rock inclusings ☐☐5% fracture-controlled Py, 1% Po and 1% Cpy. 29.52 - 30.65☐Garnet - amphibole augen gneiss - similar to unit at top of hole. ☐☐Sharp contacts - upper contact at 12 deg. and lower contact at 14 deg. to CA 24.71 - 34.02☐Medium grey to light orange section. ☐☐Moderately fractured at 60 deg and 30 deg. - perpendicular to each other. ☐☐Fractures chloritic and often have well developed slickensides. **Structure** 12.00 - 12.00 : GN Gneissic, 18 Deg to CA 12.70 - 12.70 : GN Gneissic, 19 Deg to CA 15.40 - 15.40 : GN Gneissic, 17 Deg to CA 18.50 - 18.50 : GN Gneissic, 17 Deg to CA 22.50 - 22.50 : GN Gneissic, 24 Deg to CA 24.52 - 24.71 : FLT Fault, 12 Deg to CA 5 to 7mm broken amphibole-rich fault gouge. 25.10 - 25.10 : GN Gneissic, 23 Deg to CA 28.20 - 28.20 : GN Gneissic, 27 Deg to CA 33.95 - 33.95 : Frct Fracture, 9 Deg to CA Partially broken, chloritic with slickensides.							
34.00	35.57	**PYXT, Pyroxenite** Pyroxenitic Dyke Upper contact at 68 deg. with poorly developed slickensides. Contact margin a muscovite-phlogopite-sericite assemblage over 5cm. Central portion coarse - with 5% to 10% black sub-rounded pyroxenes? in a medium grey matrix. Weakly magnetic. Lower contact at approximately 40 deg. - somewhat irregular.							

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DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
35.57	42.90	**3, Granitic Augen Gneiss** Garnet - Amphibole Augen Gneiss Similar to unit intersected at top of drill hole. Dark red with dark green amphibole bands and fine grained. Gneissic banding poorly developed. 5% to 7% white rounded to ovoid augens - 1 to 5mm, appear to be primarily feldspar. Locally fractured - chloritic filled. Unit composed of Augens, 10% to 20% fine dark red garnet, 5% to 10% amphibole and the remainder primarily a fine grained quartz. **Structure** 37.00 - 37.00 : GN Gneissic, 10 Deg to CA 38.43 - 38.43 : FLT Fault, 20 Deg to CA 8 to 10mm chl-carb filling fault bx. 42.20 - 42.20 : GN Gneissic, 13 Deg to CA 42.90 - 42.90 : GN Gneissic, 14 Deg to CA							
42.90	61.70	**FGN, Felsic Gneiss** Granite Gneiss Medium orange to meium grey and fine grained. Poorly developed gneissosity - where appaent varies from approximately 15 to 25 deg. to CA. Predominantly a quartzofeldpathic unit with minor fine black specks - biotite or magnetite. 2% to 3% bands and streaks fine amphibole and 1% fine dark red garnets. Weakly fractured - chloritic filled and predominantly at 60 deg. to CA. Possible intrusive. 58.19 - 58.90□Mafic Dyke □□Upper contact at 35 deg. and faulted; lower contact at 35 deg. and faulted. □□Dark grey, fine grained and weakly fractured. □□Fractures very fine and either carbonate or chlorite filled. @ 61.70□□Contact with next unit sharp at 25 deg. to CA. **Structure** 51.50 - 51.50 : GN Gneissic, 13 Deg to CA 57.70 - 57.70 : GN Gneissic, 23 Deg to CA 60.75 - 61.30 : Frct Fracture, 7 Deg to CA broken throughout and chl-carb filled. 61.30 - 61.30 : GN Gneissic, 24 Deg to CA marked by garnet and amphibole bands 61.70 - 61.70 : LC Lower Contact, 25 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
61.70	77.75	**7, Undivided Mafic Intrusive** Altered Diorite/Gabbro Central portion of unit a coarse grained garnet-amphibole-plagioclase assemblage - altered gabbro? Margins finer grained, but predominantly amphibole-garnet-feldspar? - dioritic. Colour varies, with central portion a mixed red-green and margins more grey-green. Minor thin serpentine filled fractures at 20 to 30 deg. to CA 2% to 5% quartzofeldspathic veins/dykes at 0 to 10 deg. to CA Low magnetic susceptibility readings - from 0.14 to 0.35. 61.70 - 62.80☐Fine grained phase - appears similar to mafic dyke. ☐☐Gneissic fabric at 25 deg. to CA 66.48 - 66.85☐Partially broken core - due to flat fracture. 72.50 - 77.75☐Finer grained medium grey-green phase with bands and patches fine dark red garnet. ☐☐Local augens. **Structure** 64.28 - 64.28 : FLT Fault, 15 Deg to CA broken fault gouge 65.92 - 65.92 : Frct Fracture, 32 Deg to CA 15mm wide and chl-carb filled 67.40 - 67.40 : Frct Fracture, 20 Deg to CA broken, 10mm wide and serp-carb filled. 68.32 - 68.32 : Frct Fracture, 18 Deg to CA 5 to 7mm and serpentine filled. 68.64 - 68.64 : Frct Fracture, 30 Deg to CA 5mm wide and serpentine filled 71.20 - 71.20 : GN Gneissic, 30 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
77.75	84.60	**FGN, Felsic Gneiss** Granite Gneiss Medium grey-green to grey with dark red bands Fine grained and hard. Composed of 10% to 15% fine dark red garnet bands, 5% to 10% fine amphibolite and 60 to 70% quartz. Well developed gneissosity - initially at 17 deg. to CA. Local augens developed - to 5mm Weakly magnetic 2% to 3% fine black specks - magnetite or biotite? @ 84.60□□Contact with following unit based on colour contrast. □□Sharp at 20 deg. to CA. **Structure** 77.90 - 77.90 : GN Gneissic, 17 Deg to CA 80.30 - 80.30 : GN Gneissic, 16 Deg to CA 82.10 - 82.10 : GN Gneissic, 15 Deg to CA 84.00 - 84.00 : GN Gneissic, 20 Deg to CA							

DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
84.60	102.45	**3, Granitic Augen Gneiss** Garnet - Amphibole Augen Gneiss Dark reddish-grey and fine grained Augens vary from 1% to 10% - are white, rounded to ovoid and 1 to 7mm in length - feldspar? Unit is mixe with sections of granitic gneiss. Composed of 15% to 25% fine dark red garnet, 10% dark green amphibole and 40% to 50% quartz. Moderately well developed gneissosity. Weakly magnetic. 86.80 - 90.00☐Granitic gneiss section - local augens. 91.50 - 92.55☐Granitic gneiss section. 98.65 - 99.60☐Granitic gneiss - pale pink to grey-green in colour. ☐☐Fractured at 40 deg. to CA 100.43 - 100.73☐Mafic Dyke ☐☐Upper contact at 30 deg. and lower contact at 20 to 22 deg. to CA ☐☐Very dark green and fine grained ☐☐10% fine masses very pale pink garnets 101.20 - 102.45☐Moderately fractured section, with fracturing at 50 to 60 deg. to CA. ☐☐Fracture surfaces chloritic. **Structure** 85.50 - 85.50 : GN Gneissic, 22 Deg to CA 88.00 - 88.00 : GN Gneissic, 20 Deg to CA 90.80 - 90.80 : GN Gneissic, 20 Deg to CA 94.60 - 94.60 : GN Gneissic, 18 Deg to CA 97.30 - 97.30 : GN Gneissic, 27 Deg to CA						

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DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
102.45	117.85	**FGN, Felsic Gneiss** Amphibole - Garnet Gneiss Highly variable unit, predominantly a very dark green amphibole gneiss with bands and masses very fine dark red garnet. Garnet content varies from less than 5% to over 20%. Local pale pink to grey granitic gneiss sections. Gneissic banding throughout - usually marked by garnet rich bands and quartz rich bands. Colour varies from dark green to dark grey-red to light grey. Locally weakly magnetic. 105.70 - 107.20☐Granitic gneiss section - pale grey-green to pale orange and fine grained. ☐☐Gneissosity at 30 deg. to CA. 109.62 - 110.43☐Grey granitic gneiss - quartz rich. ☐☐Gneissic banding at 30 deg. 110.43 - 113.27☐A dark grey-red amphibole - garnet gneiss. ☐☐Gneissic banding not well developed ☐☐Weakly fractured - chloritic surfaces with slickensides. 112.06 - 112.77☐Flat chloritic fracture at 10 deg. to CA. ☐☐Partially broken and off-set in several places by perpendicular fractures at 75 deg to CA. ☐☐Locally pyritic - 112.50 to 112.80 contains 2% to 5% fine fracture-controlled and masses Py. @ 117.85☐Lower contact based on increase in garnet content - at 30 deg. to CA. **Mineralization** 112.50 - 112.90 : PY Pyrite, FF Fracture Filling, 3% fine fracture fillings & masses **Structure** 103.20 - 103.20 : GN Gneissic, 30 Deg to CA 104.20 - 104.20 : GN Gneissic, 30 Deg to CA 107.60 - 107.60 : GN Gneissic, 30 Deg to CA 108.75 - 108.75 : FLT Fault, 30 Deg to CA 7 to 12mm and partially broken - significant? 113.85 - 113.85 : GN Gneissic, 30 Deg to CA 116.00 - 116.00 : GN Gneissic, 30 Deg to CA 117.85 - 117.85 : LC Lower Contact, 30 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
117.85	132.90	**FGN, Felsic Gneiss** Garnet - Amphibole Gneiss Mixed dark green /pink to dark red and fine to medium grained. Banded throughout - mineralogical Unit composed of 30% to 50% amphibole, 20% to 30% garnet and quartz. Both garnet and amphibole content decreasing down hole. Locally weakly magnetic. **Structure** 119.00 - 119.00 : GN Gneissic, 30 Deg to CA 121.00 - 121.00 : GN Gneissic, 30 Deg to CA 123.00 - 123.00 : GN Gneissic, 30 Deg to CA 125.00 - 125.00 : GN Gneissic, 28 Deg to CA 127.40 - 127.40 : GN Gneissic, 27 Deg to CA 128.90 - 128.90 : GN Gneissic, 27 Deg to CA 131.00 - 131.00 : GN Gneissic, 28 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
132.90	257.25	**5, Undivided Metasediments** Amphibole - Garnet Gneiss More felsic than previous unit, but with a gradational contact. Colour varies from dark grren/orange to light grey - pink depending on the amphibole and garnet contents. Fine grained with a well developded gneissic banding throughout - local open folds. Bothe amphibole and garnet contents vary, but overall 10% to 20% garnet, 10 to 30% amphibole and 40% to 60% quartz. Locally weakly magnetic. Minor quartz +/- tourmaline veining. Intermediate composition? Local fracturing with bleached margins at 55 to 65 deg. to CA. 171.70 - 172.30☐Broken quartz-carbonate-tourmaline vein at 20 deg. to CA. ☐☐Slickensides along one contact with 1% to 2% fine Py. 193.05 - 198.70☐Amphibolite rich section - with 40% to 60% amphibole, 10% to 20% garnet and 10% to 20% ☐☐quartz. ☐☐Poorly banded. 203.00 - 203.43☐Medium buff-green bleached zone - sericitic? ☐☐Local vuggy quartz. 203.43 - 209.73☐Dark grey-green amphibole-biotite-garnet gneiss. ☐☐Local (10 to 15%) more felsic sections - mottled - probably pegmatitic dykes or sweats. ☐☐1 % to 2% fine disseminated Py throughout, locally to 5%. 209.73 - 211.36☐Fine grained, light buff coloured section - sericitic? ☐☐2% to 5% dark red garnets. ☐☐2% to 3% disseminated and fracture-controlled Py - locally to 5%. ☐☐Becomes more granular - amphibole content increases towards end of unit. ☐☐Local banding at 35 deg. to CA. 211.36 - 211.85☐Light grey to white pegmatitic section ☐☐Upper contact at 40 deg. and sheared, lower contact at 40 to 42 deg. to CA ☐☐5% to 10% dark red garnets ☐☐15 to 2% fine disseminated Py - concentrated in upper portion of pegmatite. 211.85 - 221.85☐Dark greem amphibole rich section with 5% to 10% coarse dark red garnets. ☐☐Gneissic banding not well developed. ☐☐Local zones fine disseminated Py. ☐☐2% to 5% pegmatitic dykes. 221.85 - 223.05☐Medium buff-green altered secton - sericitic. ☐☐Moderately fractured/faulted with chloritic survfaces. ☐☐25 to 3% quartz veining							

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DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		□□3% to 5% pale brown-orange garnets? - may be staurolite. 223.05 - 236.60□Light to medium grey amphibole - garnet gneiss. □□Well banded at 25 to 35 deg. to CA. □□From 5% to 10% garnet and 5% to 20% amphibolite □□2% to 5% black mineral - biotite or hornblende? □□Minor patchy fine disseminated Py. 236.60 - 237.85□Dark grey-green strongly amphibolitic section. 237.85 - 238.50□Dark buff coloured section with bands and patches dark green amphibolite. □□weakly to moderately sericitic. □□Local blebby Py/Cpy and massive band Py. □@ 237.95□Local mass Py/Cpy with local 1% fine fracture-controlled Py. □@ 238.10□A 80mm massive band Py at 25 to 35 deg. to CA. □□□Upper contact marked by 10mm carbonate vein at 32 deg. (fault zone?) □□□80% to 90% Py □238.18 - 238.50□Partially altered section (sericitic) with 1% fine disseminated Py. 238.50 - 239.53□Medium green to pale buff-green sericitic section. □□Local fine black bands and fracture fillings - tourmaline? □□Minor fine disseminated Py associated with black bands and fractures. 239.53 - 257.25□Dark green to dark grey-pink garnet - amphibole gneiss. □□Gneissic banding moderately well developed. □□1% to 2% quartz-carbonate veining. □242.05 - 243.45□Broken core - in part due to flat fracture/fault at approx. 20 deg. to CA. □244.40 - 245.35□Broad open fold - gneissosity starts at 23 deg., flattens to 0 deg. at 244.80m and returns □□□to 25 deg. to CA. 257.25□□End of Hole. **Mineralization** 218.95 - 219.80 218.95 - 219.80 218.95 - 219.80 : PY Pyrite, D Disseminated, 1% 216.30 - 217.57 : PY Pyrite, D Disseminated, 1% 214.75 - 215.30 : PY Pyrite, D Disseminated, 2% diss. and crude bands (quartz-rich) 211.36 - 211.85 : PY Pyrite, D Disseminated, 1% 209.73 - 211.36 : PY Pyrite, D Disseminated, 3% 203.43 - 209.73 : PY Pyrite, D Disseminated, 2% **Structure** 134.00 - 134.00 : GN Gneissic, 30 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-01**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Structure							
		135.80 - 135.80 : GN Gneissic, 28 Deg to CA							
		138.10 - 138.10 : GN Gneissic, 32 Deg to CA							
		141.00 - 141.00 : GN Gneissic, 29 Deg to CA							
		144.00 - 144.00 : GN Gneissic, 30 Deg to CA							
		147.00 - 147.00 : GN Gneissic, 26 Deg to CA							
		150.00 - 150.00 : GN Gneissic, 27 Deg to CA							
		153.00 - 153.00 : GN Gneissic, 26 Deg to CA							
		156.00 - 156.00 : GN Gneissic, 29 Deg to CA							
		157.55 - 157.55 : FLT Fault, 27 Deg to CA							
		broken 5 to 7mm fault gouge.							
		159.30 - 159.30 : GN Gneissic, 20 Deg to CA							
		162.40 - 162.40 : GN Gneissic, 30 Deg to CA							
		166.00 - 166.00 : GN Gneissic, 30 Deg to CA							
		167.14 - 167.14 : FLT Fault, 30 Deg to CA							
		minor?							
		170.00 - 170.00 : GN Gneissic, 25 Deg to CA							
		173.00 - 173.00 : G Gouge, 25 Deg to CA							
		176.00 - 176.00 : GN Gneissic, 28 Deg to CA							
		179.00 - 179.00 : GN Gneissic, 25 Deg to CA							
		184.00 - 184.00 : GN Gneissic, 36 Deg to CA							
		184.90 - 184.90 : FLT Fault, 18 Deg to CA							
		broken, 15 to20mm carb filled fault zone.							
		188.00 - 188.00 : GN Gneissic, 25 Deg to CA							
		192.00 - 192.00 : GN Gneissic, 23 Deg to CA							
		195.00 - 195.00 : GN Gneissic, 24 Deg to CA							
		199.00 - 199.00 : GN Gneissic, 27 Deg to CA							
		203.43 - 203.43 : FLT Fault, 25 Deg to CA							
		a 10 to 12mm quartz filled fault zone.							
		212.00 - 212.00 : GN Gneissic, 35 Deg to CA							
		218.30 - 218.30 : GN Gneissic, 33 Deg to CA							
		222.11 - 222.11 : FLT Fault, 50 Deg to CA							
		7mm wide fault zone							
		222.24 - 222.24 : FLT Fault, 55 Deg to CA							
		25mm wide							
		224.90 - 224.90 : GN Gneissic, 35 Deg to CA							
		232.00 - 232.00 : GN Gneissic, 30 Deg to CA							
		236.00 - 236.00 : GN Gneissic, 28 Deg to CA							
		248.60 - 248.60 : GN Gneissic, 30 Deg to CA							
		249.95 - 249.95 : FLT Fault, 22 Deg to CA							
		5 to 7mm carb vein filling fault zone.							
		252.80 - 252.80 : GN Gneissic, 23 Deg to CA							
		256.00 - 256.00 : GN Gneissic, 30 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-02**

Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM:	Collar
Project Number:	203	North:	6670557.00		North:	60.17	Collar
Location:	Surface	East:	556624.00		East:	10.02	Lengt
		Elev:	375.00		Elev:	375.00	Start
Date Started:	Feb 10, 2007	Collar Survey:	N	Plugged: N	Contractor:	Drillcon Core AB	Final
Date Completed:	Feb 13, 2007	Multishot Survey:	N	Hole Size: WL-56/39	Core Storage:		
		Pulse EM Survey:	N	Casing: Left in hole, capped.			

Comments: Hole designed to test approximately 110m down plunge of the Langdalen Mine main open cut.

No significant zones of sulphides were intersected. A massive amphibolite was intersected from ~~16.6~~ 166.6 to 185.5m, that is probably an altered mafic intrusive. Minor fracture-controlled and blebby Py, Po and Cpy were n amphibolite, usually in association with pink garnet masses.

Also of interest were zones of disseminated Py and/or Py/Cpy within the Amphibole-garnet gneisses. These zones of mineralization often are associated with short sericitic altered sections, which in turn are associatec

Sample Averages

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
0	1.40	**O/B, Overburden** Overburden Casing pused to 2.80m (3.00m total)							
1.40	33.50	**3, Granitic Augen Gneiss** Garnet - Amphibole Augen Gneiss Medium to dark grey-pink and fine grained 5% to 10% pale orange to white augens from 2 to 10mm and rounded to ovoid - feldspar? Some augens have a very pale green colour - sericitic? Gneissic banding parallels core axis - from 0 to 10 deg. to CA. Unit composed of 30 to 50% quartz, 10% to 20% fine dark red garnet and 10% to 20% dark green amphibolite. Weakly to moderately magnetic Locally partially broken 31.50 - 33.50□Badly broken core - in part due to flat (0 to 10deg.) chloritic fractures. @33.50□□Lower contact of unit badly broken, but appears sharp. **Structure** 2.50 - 2.50 : GN Gneissic, 0 Deg to CA 8.00 - 8.00 : GN Gneissic, 8 Deg to CA 11.00 - 11.00 : GN Gneissic, 0 Deg to CA 15.50 - 15.50 : GN Gneissic, 10 Deg to CA 22.50 - 22.50 : GN Gneissic, 5 Deg to CA 27.60 - 27.60 : GN Gneissic, 8 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-02**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
33.50	51.05	**FGN, Felsic Gneiss** Granite Gneiss Variable Unit - primarily a pale grey-orange, fine grained quartz rich gneiss. Local garnet-amphibole augen gneiss sections. Moderately well developded gneissic banding at 0 to 10 deg. to CA. Composed of 60 to 80% quartz, 5% to 10% garnet and 5% amphibole. Locally weakly magnetic. 34.30 - 34.50☐Badly broken section. 34.50 - 34.95☐Mafic Dyke ☐☐Upper contact broken and lower contact at 40 deg. to CA. ☐☐Very dark green, fine grained and partially broken ☐☐Massive amphibolite - non magnetic 34.95 - 35.95☐Medium grey-red garnet - amphibole augen gneiss section. ☐☐Gneissic banding at 5 deg. to CA. 41.80 - 46.40☐Dark grey-red fine grained amphibole - garnet gneiss with 1% to 2% feldspar augens. ☐☐Upper contact sharp at 2 deg. and lower contact sharp at 13 deg. to CA. 47.35 - 48.45☐Dark green to green-red amphibole - garnet gneiss section. ☐☐Upper contact sharp at 14 deg. and lower contact at 14 deg. to CA. 48.45 - 51.05☐Partially broken core - very siliceous. **Structure** 40.60 - 40.60 : GN Gneissic, 2 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-02**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
51.05	134.05	**FGN, Felsic Gneiss** Amphibole - Garnet Gneiss (Pelitic Metasediments?) Very dark green initially, then a mix of dark green and pink to grey-pink. Unit composed of variable amounts of amphibole, garnet and quartz. Well developed gneissic banding throughout Locally strongly magnetic. 51.05 - 53.50□Very dark green, strongly amphibolitic section - 60%+ amphibole. □□Gneissic banding at 15 deg. to CA. 56.80 - 57.50□Partially broken core. 59.40 - 62.70□Dark red-green amphibole-garnet rich section. □□Strongly magnetic □□Gneissic banding at 25 deg. to CA. Core box #18 (86.3 to 92.0m) spilled. Not able to correctly place core. 99.00 - 104.00□Garnet - amphibole rich section. □□Dark green/dark red mixed and fine grained □□Moderately well developed gneissic banding at 15 deg. to CA. 113.80 - 134.05□More felsic section - but can still be termed a amphibole - garnet gneiss. □□Well developded gneissic banding. □□Distinct aphibolite units - mafic dykes. □□Local minor carbonate filled fault zones. □□Distinct knots or crystals - altered feldspar? □□Very minor disseminated Py □118.10 - 118.48□Mafic Dyke - Amphibolite □□□Upper contact at 40 deg. and lower contact at 43 deg. to CA □□□Dark green and fine grained □□□5% dark orange garnet? masses. □122.64 - 123.02□Mafic Dyke - Aphibolite □□□Upper contact at 42 deg. - faulted, lower contact at 50 deg. to CA. □□□Dark green and fine grained □□□Poorly banded at 45 to 50 deg. to CA. □131.35 - 131.60□Medium green altered section - sericitic. □□□10% to 15% quartz-carb veining □□□Partially broken **Structure** 51.50 - 51.50 : GN Gneissic, 15 Deg to CA 57.50 - 57.50 : GN Gneissic, 19 Deg to CA 66.00 - 66.00 : GN Gneissic, 24 Deg to CA 68.80 - 68.80 : GN Gneissic, 25 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-02**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Structure 74.00 - 74.00 : GN Gneissic, 31 Deg to CA 77.10 - 77.10 : GN Gneissic, 35 Deg to CA 83.30 - 83.30 : FLT Fault, 35 Deg to CA partially broken 30mm bleached fault zone 84.00 - 84.00 : GN Gneissic, 40 Deg to CA 93.10 - 93.10 : GN Gneissic, 45 Deg to CA 96.50 - 96.50 : Frct Fracture, 70 Deg to CA bleached sericitic margins - to 10mm 103.50 - 103.50 : GN Gneissic, 45 Deg to CA 108.50 - 108.50 : GN Gneissic, 42 Deg to CA 111.00 - 111.00 : GN Gneissic, 45 Deg to CA 114.00 - 114.00 : GN Gneissic, 41 Deg to CA 114.00 - 116.00 : FLT Fault, 46 Deg to CA chloritic 116.20 - 116.20 : FLT Fault, 51 Deg to CA 10cm broken graphitic fault zone 117.40 - 117.40 : GN Gneissic, 40 Deg to CA 119.39 - 119.39 : FLT Fault, 40 Deg to CA 15mm carbonate filled fult zone. 125.30 - 125.30 : GN Gneissic, 43 Deg to CA 128.20 - 128.20 : GN Gneissic, 42 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-02**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
134.05	166.62	**FGN, Felsic Gneiss** Garnet - Amphibole Gneiss Similar to previous unit, but overall more amphibole rich and distinct coarse grained dark red garnets. Colour varies from dark green with pink bands and masses to light grey with pink bands. 5% pale grey to white pegmatitic sweats. Moderately well banded (gneissic) throughout. Composed of 30% to 50% quartz, 30% to 50% amphibolite and from 5% to 20% garnet. Local zones of minor fine disseminated Py Local pale pink - more siliceous, quartz and garnet bearing sections. 143.55 - 147.80☐Amphibole rich section - 60%+ amphibole and 5% to 10% garnet. 149.05 - 151.15☐Medium grey-pink to dark grey-red weakly altered section - sericitic? ☐☐1% to 2% disseminated/blebby Py 151.15 - 157.05☐Amphibole rich section - 40% to 50% amphibole and 10% to 15% coarse garnet. ☐☐Local patchy, but minor fine disseminated Py. 157.05 - 166.62☐Dark green section with 10% to 20% coarse bands and masses pink-brown garnet? ☐☐Well banded (gneissic). ☐@163.55☐☐A 30mm sulphide rich band at 45 to 60 deg. to CA. ☐☐☐10% to 15% fine Py and 10% Cpy. **Mineralization** 164.10 - 164.50 : Cpy Chalcopyrite, BL Blebby, 1% associated with pink garnet bands. 149.05 - 151.15 : PY Pyrite, D Disseminated, 1% disseminated and blebby. **Structure** 134.50 - 134.50 : GN Gneissic, 42 Deg to CA 138.40 - 138.40 : GN Gneissic, 50 Deg to CA 142.50 - 142.50 : GN Gneissic, 38 Deg to CA 149.40 - 149.40 : GN Gneissic, 55 Deg to CA 153.80 - 153.80 : GN Gneissic, 60 Deg to CA 155.70 - 155.70 : GN Gneissic, 47 Deg to CA 157.50 - 157.50 : GN Gneissic, 58 Deg to CA 158.80 - 158.80 : GN Gneissic, 57 Deg to CA 162.50 - 162.50 : GN Gneissic, 54 Deg to CA 162.74 - 162.74 : FLT Fault, 53 Deg to CA minor? 162.95 - 162.95 : SHR Shear, 50 Deg to CA 10 to 15mm width - chloritic.							

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DETAILED LOG

Hole Number: **LN07-02**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
166.62	185.50	**7, Undivided Mafic Intrusive** Amphibolite (Altered Gabbro) Predominantly a dark green massive amphibolite with masses and bands of pink garnet. 2% to 3% quartz veining and pegmatitic sweats. A crude banding outlined by garnet bands and pegmatites. Local disseminted/blebby Py and/or Po and Cpy. @168.20□□1% blebby Po over 5cm - associated with pink garnet mass. @171.90□□Minor bleb Po/Cpy over 2cm - associated with pink garnet mass. @173.00□□1% blebby Po and 1% Cpy over 10cm - associated with pink garnet mass. @185.50□□Lower contact arbitrary - marked at presence of more gneissic material. **Mineralization** 181.95 - 182.25 181.95 - 182.25 181.95 - 182.25 : PY Pyrite, F Fracture Controlled, 1% 178.74 - 178.85 : Cpy Chalcopyrite, BB Blebby, 1% 178.74 - 178.85 : PO Pyrrhotite, BB Blebby, 1% 177.35 - 177.50 : Cpy Chalcopyrite, BB Blebby, 1% associated with garnet mass 177.35 - 177.50 : PY Pyrite, BB Blebby, 2% associated with garnet mass **Structure** 166.62 - 166.62 : UC Upper Contact, 45 Deg to CA partially broken							

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DETAILED LOG

Hole Number: **LN07-02**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
185.50	226.80	**FGN, Felsic Gneiss** Amphibole - Garnet Gneiss (Pelitic Metasediment?) Predominantly a dark green with bands af pink (garnet) and grey-pink (quartz - garnet). Well developed gneissic banding throughout Overall composed of 10% to 20% garnet, 20% to 50% amphibole and 20% to 50% quartzfeldpathic material. Local short pale green altered zones - sericitic Local minor disseminated Py 20090 - 201.89☐Pale cream to white felsic rich section with 5% pale pink garnet. ☐☐Contacts marked by fine sericitic faults at 50 deg. to CA. 214.00 - 215.80☐Sections where banding, marked by garnets, strongly contorted. ☐☐Minor fine disseminated Py. 222.60 - 226.80☐Distinct coarse quartz and felspar grains - to 15mm. ☐☐Gives section a distinct spotted appearance. 226.80☐☐End of Hole **Mineralization** 209.50 - 210.00 209.50 - 210.00 : PO Pyrrhotite, BB Blebby, 1% 204.60 - 205.00 204.60 - 205.00 : PY Pyrite, F Fracture Controlled, 1% 190.03 - 190.75 : PY Pyrite, D Disseminated, 1% local concentrations to 5% - as crude bands. **Structure** 187.00 - 187.00 : GN Gneissic, 60 Deg to CA 190.03 - 190.03 : FLT Fault, 65 Deg to CA 7 to 10mm bleached margins. 192.70 - 192.70 : GN Gneissic, 75 Deg to CA 194.00 - 194.00 : GN Gneissic, 70 Deg to CA 198.50 - 198.50 : GN Gneissic, 55 Deg to CA 206.00 - 206.00 : GN Gneissic, 52 Deg to CA 207.50 - 207.50 : GN Gneissic, 43 Deg to CA 215.65 - 215.65 : Frct Fracture, 24 Deg to CA sericitic 215.68 - 215.68 : Frct Fracture, 40 Deg to CA sericitic 219.50 - 219.50 : GN Gneissic, 53 Deg to CA 222.50 - 222.50 : GN Gneissic, 40 Deg to CA 226.50 - 226.50 : GN Gneissic, 45 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-03**

Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM:	Colla
Project Number:	203	North:	6670455.00		North:	60.17	Colla
Location:	Surface	East:	556545.00		East:	10.02	Leng
		Elev:	352.50		Elev:	352.50	Start
Date Started:	Feb 14, 2007	Collar Survey:	N	Plugged: N	Contractor:	Drillcon Core AB	Final
Date Completed:	Feb 16, 2007	Multishot Survey:	N	Hole Size: WL-56/39	Core Storage:		
		Pulse EM Survey:	N	Casing: Left in Hole, Capped			

Comments: Drill hole designed to test UTEM conductor at a depth of approximately 35m.

A 45 to 60mm band of massive sulphide (Po-Py-Cpy) intersected at 4.15m

No sign of conductor at 35m. Fault zone intersected from 43.15 to 47.10m, with sheared sericitic zones and contact between amphibolitic gneisses and garnet-amphibole granite gneisses intersected at 59.40 - also fi

Sample Averages

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
0	3.90	**O/B, Overburden** Overburden Casing pushed to 5.40m (overall 6.00m).							

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DETAILED LOG

Hole Number: **LN07-03**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
3.90	16.80	**FGN, Felsic Gneiss** Amphibole - Garnet Gneiss Dark grey-green to dark red-green, depending on garnet content. Composed of 40% to 50% quartzofeldspathic material, 20 to 40% dark green amphibole and 5% to 15% dark red garnet. Gneissic banding well developed throughout. Partially broken - in part due to fine fractures/faults at 30 to 65 deg. to CA., crossing gneissolty. Locally magnetic Minor faulting parallel to gneissic banding. @4.00□□A 30mm quartz-garnet "vein" or dyke at 45 deg. to CA □□Adjacent to upper contact a 5 to 7mm zone with 2% to 3% fracture-controlled Py and 1% to 2% □□Cpy. @4.15m□□A 45 to 60mm Massive Sulphide band at 45 to 55 deg. to CA □□A sulphide breccia with 1 to 10mm rounded fragments - chloritic wall-rock, quartz and garnet. □□Sulphides; 70% Po, 20% Py and 10% Cpy - sulphides look like Py, but actually Po mixed with □□fine grained Py - magnetic. @11.28□□A 7 to 10mm Py-bearing band at 35 deg. to CA □□Overall 15% to 20% fracture - controlled Py. **Mineralization** 4.25 - 4.50 4.25 - 4.50 : PY Pyrite, F Fracture Controlled, 2% **Structure** 6.60 - 6.60 : GN Gneissic, 52 Deg to CA 7.46 - 7.46 : FLT Fault, 52 Deg to CA broken chloritic fault gouge. 8.60 - 8.60 : GN Gneissic, 35 Deg to CA 11.18 - 11.18 : FLT Fault, 65 Deg to CA 7 to 10mm carb-filled fault. 11.20 - 11.20 : GN Gneissic, 35 Deg to CA 11.54 - 11.54 : FLT Fault, 35 Deg to CA 15mm carb-chl-Py filled fault - 10% fract-cont. Py 15.10 - 15.10 : GN Gneissic, 40 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-03**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
16.80	43.15	**5, Undivided Metasediments** Amphibole Gneiss Dark green to grey-green and fine to medium grained. Predominantly amphibole and quartzofeldspathic material with 5% to 10% dark red garnet. Garnet content gardually increasing down hole. Moderately well developed gneissic banding. Local light to medium grey more felsic (quartzfeldspathic) sections. 5% thin pegmatite dyking. 18.25 - 18.50□Badly broken core. 19.45 - 20.40□Badly broken core. 31.20 - 43.15□Garnet - amphibole gneiss □□Dark green-red section with 10% to 20% fine to coarse masses dark red garnet. □□Gneissic banding not well developed. **Structure** 18.20 - 18.20 : GN Gneissic, 30 Deg to CA 18.67 - 18.67 : FLT Fault, 40 Deg to CA 10 to 15mm chl-carb filled fault - crossing Gn. 22.90 - 22.90 : GN Gneissic, 30 Deg to CA 31.30 - 31.30 : GN Gneissic, 42 Deg to CA 37.20 - 37.20 : GN Gneissic, 44 Deg to CA 40.20 - 40.20 : GN Gneissic, 50 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-03**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
43.15	47.10	**Fault zone, Fault zone** Fault Zone - Garnet-Amphibole Gneiss Similar to previous unit, but with distinct dark buff to pink altered fault breccia zones. Coarse red garnets throughout - to 2cm. 5% to 7% thin pegmatite dykes - which outline a crude banding. Faulting/shearing generally at 30 to 40 deg. to CA 43.22 - 43.40☐Dark buff to reddish, fine grained altered fault zone. ☐☐Upper contact at 40 deg. to CA ☐☐Sericitic zone carries 10% rounded quartz grains and 10% to 15% coarse garnets. 44.02 - 44.19☐Fault zone at 28 deg. to CA ☐☐Dark buff colour and fine grained - sericoitic ☐☐5% quartz grains - to 0.5mm and 5% to 7% coarse garnets. 44.37 - 44.82☐Dark buff to dark mauve coloured sheared section - moderately sericitic ☐☐Shearing at 40 deg. to CA ☐☐10% to 15% coarse red garnets. 45.35 - 45.95☐Moderately to strongly sheared zone at 30 to 35 deg. to CA ☐☐Moderately to strongly sericitic - in part faulted. ☐☐5% rounded quartz grains.							
47.10	59.40	**FGN, Felsic Gneiss** Garnet-Amphibolite Gneiss Dark green with red masses and spots. Composed of 40 to 50% amphibole, 20% to 40% quartzofeldspahic material and 5% to 15% red garnets. 5% to 7% white quartz-rich pegmatite dykes. Garnets can locally be quite coarse - to 2cm. Local dark buff to pink-buff altered margins to pegmatite dyking - sericitic. Poorly developed gneissic banding. **Mineralization** 58.13 - 58.64 : PY Pyrite, D Disseminated, 2% **Structure** 47.80 - 47.80 : GN Gneissic, 23 Deg to CA 52.50 - 52.50 : GN Gneissic, 25 Deg to CA 56.60 - 56.60 : GN Gneissic, 25 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-03**

Detailed Lithology

From	To	Lithology
59.40	144.85	**FGN, Felsic Gneiss** Garnet-Amphibole Granite Gneiss Colour varies - shades of dark grey to dark green and orange. Gneissic banding well developed throughout. composed of 30% to 50% quartzofeldspathic grains,20% to 30% amphibole and 10% to 15% garnet. Distinct dark green amphibole sections - mafic dykes? Garnets generally pale pink and fine grained. Local medium way green altered sections - sricitic. Minor fracturing, perpendicular to gneissosity with white to pale green bleached margins. Minor faulting parallel to gneissosity. 59.54 - 61.95□Partially sheared section, with local dark buff - mauve fine grained sections with 10% quartz, □□garnets and wall-rock fragments. □□Weakly to moderately sericitic. 63.20 - 63.90□Light mauve to pale green altered section - sericitic. □□Pinkish colour due to fine garnet. 80.58 - 80.93□Amphibolite (Mafic Dyke) □□Upper contact at 35 deg. and lower contact at 30 deg. - partially broken. □□Very dark green, fine grained and massive. 89.40 - 91.05□Amphibolite (Mafic Dyke) □□Upper contact broken and lower contact at 26 deg. to CA. □□Dark green with a weak fabric at 30 to 35 deg. to CA. □□5% to 10% pink to grey garnet masses. □□Minor quartz stringers. 103.95 - 104.88□Amphibolite (Mafic Dyke?) □□Upper contact sheared at 55 deg and lower contact at 55 deg to CA. □□Dark green and fine grained. □□Weak fabric at 40 to 45 deg. to CA. 110.20 - 112.00□Broad open fold - gneissosity begins at 30 deg., flattens to 0 deg and then returns to 25 deg. 112.10 - 112.95□Mafic Dyke □□Upper contact at 25 deg. and lower contact at 50 deg. to CA. □□Medium to dark green, fine grained and massive. 118.70 - 119.52□Amphibolite (Mafic Dyke?) □□Both contacts t 40 deg. to CA. □□Dark green to medium grey, fine grained and massive. □□Medium grey-red patches - fine masses garnet. 126.96 - 127.30□Amphibolite (Mafic Dyke?) □□Upper contact at 38 deg. and lower contact at 45 deg. to CA □□Dark green and fine grained

Assay Data

Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3

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DETAILED LOG

Hole Number: **LN07-03**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		□□2% to 5% medium grey-pink garnet.							
		128.33 - 129.57□Pegmatite Dyke							
		□□Upper contact at 40 deg. and lower contact at 70 deg. to CA.							
		□□Cs. clear fractured quartz (60%) and white feldspar (40%)							
		□□Partially broken							
		□□Minor muscovite							
		134.05 - 134.50□Amphibolite (Mafic Dyke)							
		□□Upper contact at 25 deg. and lower contact irregular.							
		□□Dark green and very fine grained							
		□□5% to 7% very pale pink garnet.							
		144.85□□End of Hole							
		Structure							
		59.52 - 59.52 : FLT Fault, 35 Deg to CA							
		20mm wide							
		60.70 - 60.70 : GN Gneissic, 38 Deg to CA							
		66.20 - 66.20 : GN Gneissic, 38 Deg to CA							
		70.00 - 70.00 : GN Gneissic, 42 Deg to CA							
		74.80 - 74.80 : GN Gneissic, 30 Deg to CA							
		79.00 - 79.00 : GN Gneissic, 25 Deg to CA							
		82.30 - 82.30 : GN Gneissic, 33 Deg to CA							
		87.30 - 87.30 : GN Gneissic, 25 Deg to CA							
		92.00 - 92.00 : GN Gneissic, 30 Deg to CA							
		96.30 - 96.30 : GN Gneissic, 29 Deg to CA							
		100.60 - 100.60 : GN Gneissic, 32 Deg to CA							
		105.20 - 105.20 : FLT Fault, 45 Deg to CA							
		minor							
		105.90 - 105.90 : GN Gneissic, 30 Deg to CA							
		108.02 - 108.02 : FLT Fault, 50 Deg to CA							
		30mm buff-coloured bleached margins							
		109.00 - 109.00 : GN Gneissic, 62 Deg to CA							
		115.10 - 115.10 : GN Gneissic, 42 Deg to CA							
		117.30 - 117.30 : GN Gneissic, 43 Deg to CA							
		120.30 - 120.30 : GN Gneissic, 32 Deg to CA							
		123.00 - 123.00 : GN Gneissic, 45 Deg to CA							
		136.10 - 136.10 : GN Gneissic, 50 Deg to CA							
		140.10 - 140.10 : GN Gneissic, 35 Deg to CA							
		143.00 - 143.00 : GN Gneissic, 30 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-04**

Ur

Project Name:	Norway - South Norway	Primary Coordinates Grid: UTM84-32N		Destination Coordinates Grid: UTM:	Collar D
Project Number:	203	North: 6670418.00		North: 0.00	Collar A
Location:	Surface	East: 556545.00		East: 0.00	Length:
		Elev: 352.50		Elev: 0.00	Start D
Date Started:	Feb 16, 2007	Collar Survey: N	Plugged: N	Contractor: Drillcon Core AB	Final D
Date Completed:	Feb 17, 2007	Multishot Survey: N	Hole Size: WL-56/39	Core Storage:	
		Pulse EM Survey: N	Casing: Left in hole, capped.		

Comments:

Sample Averages

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
0	2.40	**O/B, Overburden** Overburden Casing extended to 4.45m.							
2.40	4.55	**5b, Pelitic Metasediments** Garnet - Amphibole Gneiss Dark green to dark grey and fine grained. 5% to 10% fine pink to red garnet Gneissic banding well developed. Badly broken throughout 3.55 - 4.45☐Very badly broken core - numerous strongly oxydized surfaces. ☐☐Partially vuggy and strongly fractured. 4.45 - 4.55☐Lost core - ground during transition from casing to wireline drilling. **Structure** 3.50 - 3.50 : GN Gneissic, 32 Deg to CA							
4.55	5.87	**MS, Massive Sulphide** Massive Sulphide Upper contact ground and lost. A sulphide breccia with 10% to 15% fragments Fragments predominantly dark green to black amphibolite from 1mm to 7cm. Sulphides; 93% to 95% Po and 5% to 7% Cpy Massive sulphides end at 5.67m - then grades into a quartz-garnet (pegmatitic) dyke? 5.67 - 5.87☐Quartz - garnet Dyke (pegmatitic?) ☐☐Upper contact gradational and lower contact at 30 deg. to CA ☐☐Dyke carries 5% to 7% disseminated Cpy and minor Py. **Mineralization** 5.67 - 5.87 5.67 - 5.87 : Cpy Chalcopyrite, D Disseminated, 5% 4.55 - 5.67 : Cpy Chalcopyrite, BX Breccia, 5% 4.55 - 5.67 : PO Pyrrhotite, BX Breccia, 80%							

May 10, 2007

DETAILED LOG

Hole Number: **LN07-04**

Ur

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
5.87	61.95	**5b, Pelitic Metasediments** Garnet - Amphibole Gneiss Dark green to almost black with red bands and patches Unit composed of 10% to 15% dark red garnet, 50% to 60% dark green amphibole and remainder quartzofeldpathic material. Gneissic banding not well developed. Local zones buff, buff-green or pale buff-pink, which are bleached and altered - sericitic and soft. Sericitic zones commonly controlled by shear or fault zone. Local zones minor disseminated Py Minor pegmatite dyking. 15.53 - 16.33☐Pale buff-green to pale buff-pink section ☐☐Strongly sericitic - very fine grained. ☐☐10% dark red garnet ☐☐Upper contact sharp at 70 deg. and lower contact gradational 31.06 - 31.63☐Medium buff-green and fine grained section. ☐☐Strongly sericitic ☐☐5% to 10% dark red garnet masses 45.00 - 61.95☐Mixed dark grey-green and red garnet - amphibole gneiss. ☐☐5% to 10% pegmatite dyking ☐☐10% to 20% coarse garnets ☐☐Gneissic banding running sub-parallel to CA. **Structure** 6.96 - 6.96 : FLT Fault, 45 Deg to CA partially chl-carb filled. 7.10 - 7.10 : GN Gneissic, 75 Deg to CA 10.50 - 10.50 : GN Gneissic, 40 Deg to CA 14.88 - 14.88 : FLT Fault, 55 Deg to CA 15.71 - 15.71 : FLT Fault, 75 Deg to CA 30mm wide and qtz-carb filled. 21.40 - 21.40 : GN Gneissic, 18 Deg to CA 26.10 - 26.10 : GN Gneissic, 20 Deg to CA 31.33 - 31.33 : FLT Fault, 70 Deg to CA carb-chl filled 31.37 - 31.37 : FLT Fault, 70 Deg to CA carb-chl filled 33.20 - 33.20 : GN Gneissic, 40 Deg to CA 38.80 - 38.80 : GN Gneissic, 60 Deg to CA 40.30 - 40.30 : GN Gneissic, 35 Deg to CA 41.00 - 41.08 : SHR Shear, 35 Deg to CA broken waxy green sericitic shear 49.00 - 49.00 : GN Gneissic, 25 Deg to CA pegmatititic contact 53.60 - 53.60 : FLT Fault, 57 Deg to CA sericitic							

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DETAILED LOG

Hole Number: **LN07-04**

Ur

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Structure 54.16 - 54.16 : FLT Fault, 65 Deg to CA 5mm and carb-filled. 54.20 - 54.31 : SHR Shear, 50 Deg to CA sericitic with 10% carb stringers 59.56 - 60.00 : FLT Fault, 12 Deg to CA pale green sericitic margins.							
61.95	65.50	**Fault zone, Fault zone** Fault Zone (Altered Garnet - Amphibole Gneiss) Continuation of previous unit, but with zones of shearing and altered. Colour varies from med pink/red to green to white pegmatites. Composed of 20% to 40% dark red garnets, 15% to 20% amphibolite, 5% biotite and 15% to 20% pegmatite dyking. Weakly to moderately sericitic throughout. Local fracture-controlled Py Shearing angles vary - from 0 deg to 20 deg. to CA.							
65.50	68.80	**5b, Pelitic Metasediments** Amphibole Gneiss Dark green and fine to medium grained. 20 to 25% white to buff-coloured pgmatite dyking 3% to 5% dark red garnets. Local fracture-controlled Py Possible mafic dyke. 66.30 - 67.30□Core of Unit - more felsic and coarse grained. □□Composed of amphibole, quartz and fldspar. **Structure** 65.50 - 65.50 : UC Upper Contact, 10 Deg to CA marked by fine band Py 68.00 - 68.00 : GN Gneissic, 20 Deg to CA gneissic banding? 68.20 - 68.20 : FLT Fault, 20 Deg to CA marks upper contact of pegmatite dyke. 68.80 - 68.80 : LC Lower Contact, 20 Deg to CA sheared							

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DETAILED LOG

Hole Number: **LN07-04**

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Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
68.80	85.50	**GR, Granite** Granite (Altered) Medium grey-pink to dark mauve and medium grained Massive - no apparent gneissic banding. 10% to 15% dark red garnets - fine to very coarse. 10% to 15% dark green amphibolite. Weakly to moderately sericitic throughout Local zones with disseminated Py and minor Cpy Minor pegmatite dykong Local fine faults - with pale green bleached margins. 68.80 - 72.30☐Dark buff - mauve, strongly sericitic section. ☐☐Sheared? ☐☐1% to 2% very fine disseminated Py 78.50 - 80.50☐Dark mauve colour - strongly sericitic ☐☐Minor fine disseminated Py **Mineralization** 68.80 - 72.30 : PY Pyrite, D Disseminated, 2% **Alteration** 78.50 - 80.50 :Ser Sericite, P Pervasive, S Strong 68.80 - 72.30 :Ser Sericite, P Pervasive, S Strong **Structure** 77.35 - 77.35 : FLT Fault, 20 Deg to CA 80mm medium green and sericitic zone 78.00 - 78.06 : FLT Fault, 17 Deg to CA Pale green bleached margins. 81.00 - 81.00 : GN Gneissic, 30 Deg to CA 84.95 - 85.00 : GN Gneissic, 18 Deg to CA						

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DETAILED LOG

Hole Number: **LN07-04**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
85.50	101.15	**5b, Pelitic Metasediments** Garnet - Amphibole Gneiss An amphibole - rich gneiss with 5% to 10% dark red garnets. Overall a dark green to dark grey-mauve and fine to medium grained. Gneissic banding present - but often vague. Dark mauve coloured sections altered - sericitic and have an overalll massive appearance. Minor fractures wirh bleached margins. 2% to 5% thin pegmatitic dykes. 88.85 - 91.05☐Dark green - mauve massive appearing section. ☐☐Moderately sericitic throughout ☐☐Appears very similar to altered granite intersected from 68.80 to 85.50m. ☐☐5% fine biotite 91.07 - 91.26☐A 10 to 15mm sulphide bx band at 10 to 12 deg. to CA, paralleling gneissosity. ☐☐Approximately 80% sulphides and 20% rounded wall rock fragments. ☐☐Sulphides; 80% Po and 20% Cpy ☐☐Surrounding gneisses a dark mauve colour - moderately sericitic. @ 92.02☐☐A 20 to 40mm sulphide breccia band at 34 deg. to CA ☐☐Upper margin against a 20mm quartz-garnet vein or dyke. ☐☐80% sulphides and 20% rounded fragments - wall-rock, quartz and garnets. ☐☐Sulphides; 70% Po and 30% Cpy ☐☐Lower contact badly broken - full extent of sulphide band questionable. 93.50 - 93.71☐Three thin sulphide breccia bands in folded gneissic sequence. ☐☐First band at 93.50m, 20mm wide and at 45 deg. to CA ☐☐Second band at 93.65m, 2 to 10mm wide and at 30 to 40 deg. to CA ☐☐Third band at 93.64m, 2 to 12mm wide and at 12 to 15 deg. to CA ☐☐Sulphides consist of 60% Po, 30% Py and 10% Cpy 92.90 - 93.30☐Massive Bx Sulphides ☐☐Upper contact sharp at 60 deg. and lower contact "ragged" at 40 deg. to CA ☐☐70% sulphides and 30% rounded and angular fragments ☐☐Fragments up to 10cmm in length - gneissic wall-rock. ☐☐Sulphides; 90% Po and 10% Cpy 93.76 - 93.90☐Three crude bads sulphide. ☐☐First at 93.76m, 1 to 5mm wide and at 80 deg. to CA ☐☐Second at 93.80m, 2 to 3mm wide and at 80 deg. to CA ☐☐Third at 93.85m, 40mm wide and at 85 to 90 deg. to CA ☐☐Overall section contains 10% to 15% Py and 5% Cpy 93.90 - 100.15☐Gneissic sectionwith 10 to 15% white - pale green pegmatite dyking. ☐☐Gneissic banding moderately well developed.							

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DETAILED LOG

Hole Number: **LN07-04**

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Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Mineralization 93.76 - 93.90 : Cpy Chalcopyrite, STR Stringers, 5% 93.76 - 93.90 : PY Pyrite, STR Stringers, 10% 92.90 - 93.30 : Cpy Chalcopyrite, M Massive, 5% 92.90 - 93.30 : PO Pyrrhotite, M Massive, 65% 92.50 - 92.71 : Cpy Chalcopyrite, STR Stringers, 2% 92.50 - 92.71 : PY Pyrite, STR Stringers, 5% 92.50 - 92.71 : PO Pyrrhotite, STR Stringers, 7% 92.02 - 92.20 : Cpy Chalcopyrite, STR Stringers, 5% 92.02 - 92.20 : PO Pyrrhotite, STR Stringers, 12% 91.07 - 91.26 : Cpy Chalcopyrite, STR Stringers, 2% 91.07 - 91.26 : PO Pyrrhotite, STR Stringers, 10% **Alteration** 88.85 - 91.05 :Ser Sericite, P Pervasive, M Moderate **Structure** 88.09 - 88.10 : GN Gneissic, 31 Deg to CA 97.01 - 97.01 : FLT Fault, 22 Deg to CA 10mm carbonate filled fault zone. 99.47 - 99.47 : FLT Fault, 30 Deg to CA 15mm pale green sericitic margins. 99.80 - 99.80 : GN Gneissic, 22 Deg to CA							
101.15	116.00	**5b, Pelitic Metasediments** Amphibolite Predominantly dark green and fine grained with local garnet-bearing sections, which are dark green-red to grey-red. Overall massive, but locally a gneissic fabric present with garnet bands. Local thin pegmatite dykes, usually with garnet rich margins. Minor carbonate filled fractures/faults Lower contact approximate - where gneissic banding becomes well developed. 110.40 - 113.00□Garnet rich section - appears to be surrounding this pegmatite dyking at 0 to 20 deg. to CA. **Structure** 101.95 - 101.95 : FLT Fault, 20 Deg to CA minor							

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DETAILED LOG

Hole Number: **LN07-04**

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Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
116.00	120.25	**5b, Pelitic Metasediments** Garnet - Amphibole Gneiss More felsic than previous garnet - amphibole gneiss unit, but still relatively amphibole-rich. Dark green to grey - pink and fine grained. Local buff-pink to pale green altered sericitic sections. Moderately well developed gneissic banding. Local minor disseminated Py - at margins of pegmatite dykes and within sericitic zones. 118.56 - 119.10☐Medium buff - pink to green - red section. ☐☐Weakly to moderately sericitic. ☐☐1% to 2% disseminated and streaky Py **Mineralization** 118.56 - 119.10 : PY Pyrite, D Disseminated, 2% **Alteration** 118.56 - 119.10 :Ser Sericite, P Pervasive, M Moderate **Structure** 116.10 - 116.10 : GN Gneissic, 20 Deg to CA 119.60 - 119.60 : GN Gneissic, 25 Deg to CA							
120.25	132.50	**5b, Pelitic Metasediments** Garnet - Amphibole Gneiss - Altered Predominantly dark buff to buff - grey and fine grained Moderately to strongly sericitic. Locally amphibolitic gneissic banding visible. 10% to 15% fine dark red garnets. Locally 1% to 3% blebby/disseminated Py. 120.35 - 123.50☐Gneissic banding paralleling core axis. ☐☐Strongly sericitic with 2% to 3% disseminated/blebby Py **Mineralization** 126.95 - 128.75 : PY Pyrite, D Disseminated, 1% 125.60 - 126.35 : PY Pyrite, D Disseminated, 1% 124.40 - 125.40 : PY Pyrite, D Disseminated, 1% 120.35 - 123.50 : PY Pyrite, D Disseminated, 2% disseminated to blebby **Alteration** 120.25 - 132.50 :Ser Sericite, P Pervasive, M Moderate **Structure** 120.60 - 120.60 : GN Gneissic, 16 Deg to CA 120.61 - 124.00 : GN Gneissic, 0 Deg to CA 126.00 - 126.00 : GN Gneissic, 15 Deg to CA 128.90 - 128.90 : GN Gneissic, 20 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-04**

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Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
132.50	167.60	**5, Undivided Metasediments** Garnet - Amphibole Granite Gneiss Colour varies from dark green to pink-grey Local dark green amphibolitic sections - mafic dykes. Gneissic banding well developed. Overall 5% to 15% fine pale pink to red garnet and 20% to 40% dark green to black amphibolite. Local pale green to buff altered section - sericitic. 2% to 3% pegmatitic dyking. 132.50 - 139.80☐Medium mauve coloured section - weakly sericitic. ☐☐Local blebby/disseminated Py 147.00 - 147.83☐Amphibolite (Mafic Dyke) ☐☐Upper contact sharp at 30 deg. and lower contact at 20 deg. to CA ☐☐Dark green, fine to medium grained with a weak gneissic fabric. ☐☐2% to 3% fine pink garnets. 148.10 - 149.00☐Amphibolite (Mafic Dyke) ☐☐Both contacts at 20 deg. to CA. ☐☐Dark green and medium grained ☐☐5% to 10% coarse red garnet ☐☐1% to 2% blebby Py adjacent to upper contact. ☐☐Local siliceous bands. 149.00 - 151.20☐Dark mauve to pale green - weakly to strongly sericitic section. ☐☐Partially broken ☐☐2% to 5% vuggy carbonate veining. 155.08 - 155.72☐Amphibolite (Mafic Dyke?) ☐☐Upper contact at 20 deg. and lower contact at 25 deg. to CA. ☐☐Dark green, fine grained with a weak fabric at 20 deg. to CA. 167.60m☐☐End of Hole **Alteration** 149.00 - 151.20 :Ser Sericite, P Pervasive, M Moderate 132.50 - 139.80 :Ser Sericite, P Pervasive, M Moderate **Structure** 133.00 - 133.00 : GN Gneissic, 8 Deg to CA 134.40 - 134.40 : GN Gneissic, 24 Deg to CA 136.80 - 136.80 : GN Gneissic, 14 Deg to CA 144.00 - 144.00 : GN Gneissic, 30 Deg to CA 150.94 - 150.94 : FLT Fault, 25 Deg to CA pale green bleached margins to 30mm. 152.50 - 152.50 : GN Gneissic, 20 Deg to CA 157.50 - 157.50 : GN Gneissic, 30 Deg to CA 162.00 - 162.00 : GN Gneissic, 20 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-04**

Ur

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Structure 165.00 - 165.00 : GN Gneissic, 24 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-05**

Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM	Collar
Project Number:	203	North:	6670432.00		North:	60.17	Collar
Location:	Surface	East:	556502.00		East:	10.02	Length
		Elev:	340.50		Elev:	340.50	Start
Date Started:	Feb 17, 2007	Collar Survey:	N	Plugged: N	Contractor:	Drillcon Core AB	Final
Date Completed:	Feb 19, 2007	Multishot Survey:	N	Hole Size: BQ	Core Storage:		
		Pulse EM Survey:	N	Casing:			

Comments: Target: under cut of main open pit and item conductor plate.
Result: hole intersected 1.6 m of semi-massive sulphide at 77.2 m depth.

Sample Averages

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
0	5.60	**CAS, Casing**							

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DETAILED LOG

Hole Number: LN07-05

Detailed Lithology

From	To	Lithology
5.60	77.20	**FG/4, Felsic Gneiss** (garnet amphibole gneiss) Light grey, non magnetic to locally moderately magnetic, non conductive and non mineralized. Unit consists of light grey quartz/ feldspars (50-60%) red garnets (10-20%) and dark green to black amphiboles (10-20%). Overall the unit has a well developed foliation that ranges from 30 to 70 degrees TCA. Foliation is defined by 0.1 to 2.0 cm wide garnet bands that consist of 40-80% pinhead sized garnets. Local pastel green (epidote/sericite?) alteration from 17.65 to 19.25 m. Felsic dike (possibly quartzite) from 22.90 to 33.05 m. Between 40 and 70 m unit becomes noticeably more fractured with 1 to 4 cm wide faults and fractures that parallel main foliation (see structure) locally fractures are in filled with quartz and light green alteration (sericite?) **Mineralization** 76.50 - 77.20 : CP Chalcopyrite, FF Fracture Filling, 0.5% 74.75 - 75.00 : PY Pyrite, DIS Disseminated, 1% 1-2% 72.00 - 72.25 : PY Pyrite, DIS Disseminated, 1% 1-2% 70.00 - 70.50 : PY Pyrite, DIS Disseminated, 1% 1-2% 41.60 - 41.63 : PY Pyrite, STR Stringers, 1% 55 dtca 40.50 - 40.55 : PY Pyrite, STR Stringers, 1% 35 dtca **Alteration** 56.25 - 57.45 :EP Epidote, P Pervasive, S Strong green to yellow, bounded by faults 44.60 - 46.60 :EP Epidote, P Pervasive, S Strong green to yellow (epidote/ sericite alteration?) 42.35 - 42.70 :Qtz Quartz, PD Pods, M Moderate quartz vugs 17.65 - 19.25 :EP Epidote, P Pervasive, S Strong Pastel green color (sericite/epidote alteration?). Minor local white quartz-feldspar veining. Upper and lower contact at 50 and 55 DTCA. **Structure** 8.00 - 8.00 12.25 - 12.25 35.00 - 35.00 42.00 - 42.00 44.30 - 44.30 49.30 - 49.35 light grey green 52.95 - 52.97 56.25 - 56.25 quartz infilling

Assay Data

Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3

DETAILED LOG

Hole Number: LN07-05

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Structure 57.45 - 57.45 quartz infill and quartz vugs 59.10 - 59.10 63.00 - 63.00 64.30 - 64.80 fault breccia with quartz infilling and 1-2 cm wide green fragments 65.50 - 65.50 69.10 - 69.50 grey color, weak measurement **RQD** 40.90 - 41.30 : 0.00 % RQD 100.00 % Core 42.35 - 42.70 : 0.00 % RQD 100.00 % Core 46.60 - 47.00 : 0.00 % RQD 100.00 % Core 48.00 - 48.20 : 0.00 % RQD 100.00 % Core **MINOR INTERVALS:** **Minor Interval:** 17.65 - 19.25 B, Dyke (Felsic dike/Quartzite?) Light grey, moderately magnetic siliceous subunit consisting of fine quartz feldspar (95%), garnets (1-2%) and fine magnetite diss. (0.5%). Unit is distinctly less foliated then major unit (massive) and also more magnetic (avg. 3 on magnetic sus). Upper and lower contact at 40 and 25 degrees respectively.							
77.20	78.80	**SMS, Semi Massive Sulphide** (Semi-Massive Sulphide) Sulphide consists of 80-85% Po, 5-10% chalco, and 5-10 % siliceous round fragments. No observed Pn. Fragments are 0.25 to 1.0 cm wide but average 0.25 cm in diameter. Locally aprox 5-10% of the fragments are reddish in color (garnets?) Chalcopyrite increases to 10 % from 78.20 to 78.80 as a result of chalco stringers along fractures. Upper contact 30 degrees to core axis (+/- 10 degrees) and lower contact sharp and noticeably faulted (quartz infilling and minor pyrite) at 30 degrees to core axis. **Mineralization** 77.20 - 78.80 : PO Pyrrhotite, SM Semi-Massive, 95% 85% PO, 7-10% Chalco, 5% fragments 78.20 - 78.20 : PO Pyrrhotite, SM Semi-Massive, 90% 85% PO, 5% Chalco, 10% fragments **Structure** 77.20 - 77.20 : UC Upper Contact, 30 Deg to CA +/- 10 dtca 78.80 - 78.80 : LC Lower Contact, 30 Deg to CA razor sharp contact, appears faulted							

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DETAILED LOG

Hole Number: LN07-05

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
78.80	205.95	**FGN, Felsic Gneiss** (garnet amphibole gneiss) Light grey, non magnetic to locally strongly magnetic, non conductive and overall non mineralized. Overall unit is quite siliceous consisting of 70-80 % quartz/feldspars with 10-20 % amphiboles and red garnets in 5-10%. Composition varies locally with garnet content increasing to 15-20%. Locally magnetite disseminations in 1-3% from 87.0 to 100m. Unit is strongly foliated with alternating darker (amphibolite) bands and lighter (quartz/feldspar) bands. Orientation of foliation varies from 0 to 70 degrees to core axis. Felsic dike from 150.0m to 107 m. **Mineralization** 144.00 - 146.00 : PY Pyrite, VN Veins, 0.5% 40 degrees to ca **Structure** 83.50 - 84.00 : FD Folded, 0 Deg to CA looks like a fold hinge 121.25 - 121.25 : FLT Fault, 30 Deg to CA 130.90 - 131.05 : FLT Fault, 35 Deg to CA infilled with quartz garnet and green (epidote?) alteration 141.40 - 141.60 : FLT Fault, 65 Deg to CA infilled with quartz and trace py 144.40 - 144.40 : GN Gneissic, 40 Deg to CA 160.40 - 160.40 : FLT Fault, 85 Deg to CA associated with pegmatite 171.00 - 171.00 : GN Gneissic, 40 Deg to CA 176.00 - 176.00 : GN Gneissic, 55 Deg to CA 183.70 - 183.70 : F Fractured, 30 Deg to CA quartz (carb?) infilling 189.30 - 189.30 : F Fractured, 30 Deg to CA quartz (carb?) infilling 196.60 - 196.60 : F Fractured, 40 Deg to CA quartz infilling **MINOR INTERVALS:** **Minor Interval:** 88.7 88.95 8, Dyke (Felsic/quartz dike) Unit consists of 90-95% quartz and 5-10% red pinhead garnets. Upper and lower contact at 30 deg. **Minor Interval:** 100.5 - 107 8, Dyke (Felsic/quartz dike) Unit consists of 90- 95 % quartz and 5-10% red pinhead garnets. Some intermixing with gneiss from 102-107 m. Upper contact 20 deg. Lower contact 10 deg.							

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DETAILED LOG

Hole Number: **LN07-05**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		MINOR INTERVALS: **Minor Interval:** 159.45 - 160.4 PEG, Pegmatite (White pegmatite) Unit consists of milky white quartz and light green/yellow mica (muscovite?) Upper and lower contacts extremely sharp 70 and 80 degrees respectively. Upper contact appears faulted **Minor Interval:** 193.85 - 193.97 PEG, Pegmatite (White Pegmatite) Dike consists of 95% quartz, 2.5 % greenish mica, and 2.5% magnetite. upper and lower contact at 50 and 60 dtca resp.							

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DETAILED LOG

Hole Number: **LN07-06**

Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM:	Collar
Project Number:	203	North:	6670360.00		North:	0.00	Collar
Location:	Surface	East:	556541.00		East:	0.00	Lengt
		Elev:	340.00		Elev:	0.00	Start
Date Started:	Feb 19, 2007	Collar Survey:	N	Plugged: N	Contractor:	Drillcon Core AB	Final
Date Completed:	Feb 23, 2007	Multishot Survey:	N	Hole Size: BQ	Core Storage:		
		Pulse EM Survey:	N	Casing:			

Comments: Target: UTEM conductor plate and longstrike mineralization in hole LN07-05

Result: Hole intersected 12 cm of SMS at 172.28m

Sample Averages

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au ppb	Cu per	Sg g/cm3
0	5.80	**CAS, Casing**							

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DETAILED LOG

Hole Number: LN07-06

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
5.80	101.50	**Sa, Siliceous Metasediments** (garnet amphibole gneiss) Light grey, non magnetic to locally moderately magnetic, non conductive and non mineralized. Unit consists of light to dark grey quartz/ feldspars (50-60%) red garnets (10-15%) and dark green to black amphiboles (10-25%). Overall the unit has a well developed foliation that ranges from 45 to 70 degrees TCA. Foliation is defined by 0.1 to 2.0 cm wide garnet bands that consist of 40-80% pinhead sized garnets. Centimetric bands of dark amphibole rich sections also contribute to the overall gneissosity. Pervasive quartz/carbonate veining (fracture fill) and pastel green (epidote/sericite?) alteration from 19.20 - 28.00 m. Garnet content locally decreases to less that 5% (73.6-87.0m). Lower contact is arbitrary and defined by a gradual increase in amphiboles. Unit likely originally sediment suggested by the fine regular banding throughout and consistent garnet content, which is a likely alteration product of an iron rich sediment. **Texture** 19.20 - 23.85 : BC Broken Core RQD 0% 5.80 - 8.00 : BC Broken Core RQD 10 to 20% **Mineralization** 23.60 - 23.85 : PY Pyrite, FF Fracture Filling, 0.5% trace py in quartz vugs **Alteration** 19.20 - 29.30 :Ser Sericite, BL Bleached, S Strong quartz vugs, overall green (sericite) alteration 16.00 - 19.20 :BL Bleaching, BL Bleached, S Strong grey green (Sericite) alteration **Structure** 5.80 - 5.80 : GN Gneissic, 50 Deg to CA 10.35 - 10.35 : FLT Fault, 50 Deg to CA quartz carbonate infilling 23.05 - 23.05 : FLT Fault, 35 Deg to CA 23.30 - 23.60 : FLT Fault, 80 Deg to CA quartz carbonate infilling 29.30 - 29.35 : FLT Fault, 30 Deg to CA fracture fill PY 32.30 - 32.30 : GN Gneissic, 60 Deg to CA 38.30 - 38.30 : FLT Fault, 40 Deg to CA 44.70 - 44.70 : FLT Fault, 55 Deg to CA 51.30 - 51.30 : F Fractured, 50 Deg to CA 58.00 - 58.00 : GN Gneissic, 50 Deg to CA 74.50 - 74.50 : GN Gneissic, 45 Deg to CA 94.00 - 94.00 : GN Gneissic, 45 Deg to CA								

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DETAILED LOG

Hole Number: LN07-06

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
101.50	172.28	**5b, Pelitic Metasediments** (Garnet amphibole gneiss) Light to dark grey, non magnetic to locally strongly magnetic, non conductive and overall non mineralized. Overall unit is quite siliceous consisting of 50-60 % quartz/feldspars with 25 to 40 % black to green amphiboles and red garnets in 5-10%. Lesser amounts of biotite and magnetite in 0-3% locally. Composition varies throughout unit with garnet content increasing to 15-20 % over centimetric bands that parallel the overall foliation. Unit is strongly foliated with alternating darker (amphibolite) bands and light grey quartz/feldspar and red garnet bands. Orientation of foliation varies from 0 to 70 degrees to core axis. **Texture** 170.00 - 170.20 : BC Broken Core RQD 0% **Mineralization** 171.78 - 172.28 : PO Pyrrhotite, STR Stringers, 1.5% 0.5 to 2.0 % PO-PY **Structure** 105.00 - 105.00 : GN Gneissic, 5 Deg to CA 116.00 - 116.00 : GN Gneissic, 45 Deg to CA 125.30 - 125.30 : GN Gneissic, 25 Deg to CA 138.70 - 138.80 : FLT Fault, 50 Deg to CA quartz infilling 151.50 - 151.50 : GN Gneissic, 30 Deg to CA 169.90 - 169.90 : GN Gneissic, 45 Deg to CA **MINOR INTERVALS:** **Minor Interval:** 107.7 - 107.94 8c, Pegmatite contacts 45 DTCA							
172.28	172.40	**SMS, Semi Massive Sulphide** SMS 12.0 cm of Semi-massive sulphide from 172.28 - 172.40. Sulphide consists of 80 % Po, 5% Py, 2-3% chalcopyrite, and possible 1% Pn? (but likely fine grained py). Sulphide appears brecciated with 0.25 cm wide round black fragments with smaller speckled red garnets inside fragments (wall rock). Sharp upper and lower contacts at 40 DTCA. Respectively. **Mineralization** 172.28 - 172.40 : PO Pyrrhotite, SM Semi-Massive, 80% 80% PO, 5% PY, 2 to 3 % chalco							

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DETAILED LOG

Hole Number: LN07-06

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
172.40	202.00	**5b, Pelitic Metasediments** (garnet amphibole gneiss) Unit is light to dark grey and weakly to strongly magnetic (up to 24 on mag sus but averages 5). Overall non-conductive, however weakly conductive from 187.20 to 187.85 due to discontinuous pyrite stringers and disseminations. Unit is mineralized with Py disseminations and discontinuous stringers from 180.85-190.80. Mineralized section is quite siliceous mostly Py with minor Po (good gold rock?). Overall unit is quite siliceous consisting of 50-60 % quartz/feldspars with 10-30 % black to green amphiboles and red garnets in 5-10%. Lesser (1-3%) amounts of magnetite in fine disseminations assumed where mag sus kicks above 20 (aprox 177m) although not visible. Strong biotite alteration from 185.08-187.20. Overall strong gneissosity/foliation 40 -50 DTCA. Lower contact is gradational and defined by onset of quartz augens, decrease in garnets and increase in quartz feldspar and overall color change to light grey. **Mineralization** 190.80 - 192.00 trace 190.00 - 190.80 : PY Pyrite, TR Trace, 2% trace to 2% discontinous stringers and fine diss 187.85 - 190.00 : PY Pyrite, TR Trace, 0.5% 187.20 - 187.85 : PY Pyrite, DIS Disseminated, 7% 7 to 10 % fine diss. and discontinous stringers 30 DTCA 185.00 - 187.20 : PY Pyrite, DIS Disseminated, 2.5% 184.20 - 185.00 : PY Pyrite, DIS Disseminated, 1.5% diss. and blebs trace PO. Weakly banded 45 DTCA 183.40 - 184.20 : PY Pyrite, DIS Disseminated, 5% diss. and blebs trace PO. Weakly banded 45 DTCA 180.85 - 183.40 : PY Pyrite, DIS Disseminated, 1.5% diss and blebs trace PO. Weakly banded 45 DTCA **Alteration** 185.08 - 187.20 :BIO Biotite, P Pervasive, S Strong Massive biotite-actinolite alteration. green to bronze color. upper and lower contacts 45 DTCA. **Structure** 180.00 - 180.00 : GN Gneissic, 45 Deg to CA 190.80 - 190.80 : FLT Fault, 45 Deg to CA quartz infillings							

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DETAILED LOG

Hole Number: LH07-06

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
202.00	260.10	**Sa, Siliceous Metasediments** (Quartz Augen Gneiss) Light grey, non magnetic, non mineralized and non conductive. Unit consists of 80-90 % quartz feldspars and lesser (5%-10%) garnets and amphiboles. Quartz augens are milky white, 0.1 to 0.5 cm in diameter and form well developed to smeared out augen shapes. Overall augens amount to 5% but locally (210-211m) increase to 10-15%. Shearing is very pervasive and appears mylonitized over decicentimetric intervals. **Alteration** 225.16 - 225.85 :BI Biotite, P Pervasive, S Strong edge of pegmatite **Structure** 209.85 - 209.85 : Frct Fracture, 50 Deg to CA 210.50 - 210.50 : GN Gneissic, 45 Deg to CA 218.00 - 218.00 : FLT Fault, 60 Deg to CA 225.85 - 226.20 : FLT Fault, 60 Deg to CA 240.85 - 242.65 : GN Gneissic, 45 Deg to CA mylonitized 249.00 - 249.00 : GN Gneissic, 50 Deg to CA 250.45 - 250.50 : FLT Fault, 50 Deg to CA **MINOR INTERVALS:** **Minor Interval:** 226.2 - 227.15 8c, Pegmatite white pegmatite upper contact 50 DTCA, lower contact 60 DTCA 90 to 95 % quartz 5% green mica. **Minor Interval:** 254.05 - 254.35 8c, Pegmatite white pegmatite-							

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DETAILED LOG

Hole Number: **LN07-07**

Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM:	Colla
Project Number:	203	North:	6670326.00		North:	0.00	Colla
Location:	Surface	East:	556563.00		East:	0.00	Leng
		Elev:	340.00		Elev:	0.00	Start
Date Started:	Feb 23, 2007	Collar Survey:	N	Plugged: N	Contractor:		Final
Date Completed:	Feb 26, 2007	Multishot Survey:	N	Hole Size:	Core Storage:		
		Pulse EM Survey:	N	Casing:			

Comments: TARGET : Hole testing UTEM conductor & drilling underneath Langdallen mine workings.

RESULTS : No significant sulphide or gabbro intersected

Sample Averages

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
0	4.20	**CAS, Casing** overburden from 0-2.0 m.							

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DETAILED LOG

Hole Number: **LN07-07**

Detailed Lithology

From	To	Lithology
4.20	176.30	**5a, Siliceous Metasediments** (garnet amphibole gneiss) light grey, non mag, non mineralized, & non conductive. Overall very silceous consisting of 80-90% quartz & feldspar. 2-3% red garnets, and 5-7% dark green to black mafic minerals (amphiboles, biotite, & magnetite). Decicentrimetric intervals of amphibolite (80-90% amphiboles with minor magnetite & biotite) with common centimetric sweats throughout. Amphibolite sections commonly magnetic with magnetic susceptiblity readings that range between 1-20. Well foliated (gneissic) with core angles varing between 40-55 DTCA. **Mineralization** 43.80 - 43.90 : PO Pyrrhotite, F Fracture Controlled, 3% 1% PY sulphide within quartz dike. upper and lower contact 50DTCA 42.70 - 43.18 : PO Pyrrhotite, F Fracture Controlled, 2% 1% PY discontinous veinlets 45 deg TCA 41.50 - 41.80 : PO Pyrrhotite, F Fracture Controlled, 2% 1% PY sulphide within fault bounded quartz dike 40.50 - 41.50 : PY Pyrite, D Disseminated, 0.5% **Structure** 11.00 - 11.00 : GN Gneissic, 45 Deg to CA 25.20 - 25.20 : GN Gneissic, 50 Deg to CA 38.00 - 38.00 : GN Gneissic, 45 Deg to CA 38.62 - 38.70 : FLT Fault, 45 Deg to CA vuggy quartz infill 40.65 - 40.65 : FLT Fault, 65 Deg to CA 41.40 - 41.57 : FLT Fault, 15 Deg to CA 43.18 - 43.18 : FLT Fault, 60 Deg to CA 46.65 - 46.99 : FLT Fault, 50 Deg to CA bt alteration, quartz infill, more dike like as rock is not broken 51.00 - 51.00 : GN Gneissic, 50 Deg to CA 58.35 - 58.35 : GN Gneissic, 55 Deg to CA 63.70 - 63.70 : GN Gneissic, 55 Deg to CA 67.70 - 68.13 : FLT Fault, 50 Deg to CA vuggy quartz infill, hornfelsed margins 75.00 - 75.00 : GN Gneissic, 45 Deg to CA 80.00 - 80.00 : F Fractured, 50 Deg to CA 85.00 - 85.40 : FD Folded, 20 Deg to CA fold hinge wide 100.00 - 100.00 : GN Gneissic, 50 Deg to CA 119.60 - 119.60 : GN Gneissic, 40 Deg to CA 129.30 - 129.30 : GN Gneissic, 30 Deg to CA 139.00 - 139.00 : GN Gneissic, 35 Deg to CA 140.50 - 141.00 : FD Folded, 35 Deg to CA fold axis at 140.60m, upper limb 35 DTCA, lower limb 15 DTCA 143.00 - 143.00 : GN Gneissic, 50 Deg to CA 149.00 - 149.00 : GN Gneissic, 40 Deg to CA

Assay Data

Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3

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DETAILED LOG

Hole Number: **LN07-07**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Structure 153.80 - 153.80 : Frct Fracture, 30 Deg to CA tr py 163.00 - 163.00 : GN Gneissic, 50 Deg to CA **RQD** 94.85 - 94.95 : 0.00 % RQD 100.00 % Core broken ground core 133.80 - 134.00 : 0.00 % RQD 100.00 % Core broken rubbley core **MINOR INTERVALS:** **Minor Interval:** 141.85 - 142.85 PEG, Pegmatite white pegmatite							
176.30	204.65	**5b, Pelitic Metasediments** (garnet amphibole gneiss) dark grey, weakly magnetic (avg 2 on mag sus), non mineralized and non coductive. unit is well foliated (30-50 DTCA) & consists of dark green amphiboles (50-60%), quartz (20-30%), and red garnets (10-20%). Lesser amounts of biotite and magnetite (1-5%). unit has distinctly different texture and color than adjacent units due to larger 0.5-1.0 cm mottled irregular green amphiboles. upper and lower contacts appear faulted/sheared at 30 and 50 DTCA, respectively. **Structure** 178.00 - 178.00 : GN Gneissic, 35 Deg to CA 183.50 - 183.50 : GN Gneissic, 40 Deg to CA 196.00 - 196.00 : GN Gneissic, 50 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-07**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
204.65	254.15	**5a, Siliceous Metasediments** (garnet amphibole gneiss) light to dark grey, moderately magnetic, non conductive and non mineralized with the exception of tr-4% pyrite from 238.4 to 246.0 m. unit consists of 60- 75 % quartz 10-15 % green to black amphiboles, 5-10% garnets and lesser biotite magnetite 1-5%. unit is well foliated (40-55 DTCA) with minor faults at similar angles. decicentrimetric intervals of amphibole rich (amphibolite) throughout. minor decicentrimetric to metric intervals of white pegmatite from below 248m. **Mineralization** 243.70 - 245.00 : PY Pyrite, DIS Disseminated, 1% 1-2% 240.92 - 243.70 : PY Pyrite, TR Trace, 0.5% 240.66 - 240.92 : PY Pyrite, ws wisps, 3% 3-4 %5 whisps & discontinous stringers 45 DTCA 239.40 - 240.66 : PY Pyrite, TR Trace, 0.5% 239.00 - 239.40 : PY Pyrite, ws wisps, 3% 3-4 % whisps and discontinous stringers 50 DTCA 238.40 - 238.80 : PY Pyrite, ws wisps, 1% discontinous veinlets and stringers roughly 60 DTCA **Structure** 208.15 - 208.25 : VN Veins, 60 Deg to CA quartz vein 217.10 - 217.10 : GN Gneissic, 40 Deg to CA 227.30 - 227.30 : GN Gneissic, 45 Deg to CA 229.50 - 229.50 : FLT Fault, 30 Deg to CA tr py 238.40 - 238.40 : GN Gneissic, 60 Deg to CA 246.00 - 246.00 : FLT Fault, 45 Deg to CA **MINOR INTERVALS:** **Minor Interval:** 248.5 - 249.4 PEG, Pegmatite white pegmatite **Minor Interval:** 252.33 - 254.15 PEG, Pegmatite white pegmatite							

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DETAILED LOG

Hole Number: **LN07-08**

Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM:	Collar
Project Number:	203	North:	6670456.00		North:	60.17	Collar
Location:	Surface	East:	556469.00		East:	10.02	Lengl
		Elev:	340.00		Elev:	340.00	Start
Date Started:	Feb 28, 2007	Collar Survey:	N	Plugged: N	Contractor:	Drillcon Core AB	Final
Date Completed:	Mar 02, 2007	Multishot Survey:	N	Hole Size: BQ	Core Storage:		
		Pulse EM Survey:	N	Casing:			

Comments: TARGET: Long strike trend of mineralization intersected in hole LN07-05 (semi masssive from 77.20-78.80m). Also undercut of historic workings (northwest area workings)

RESULTS: Hole intersected SMS from 149.25-150.25.

Sample Averages

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
0	3.00	**CAS, Casing**							

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DETAILED LOG

Hole Number: **LN07-08**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
3.00	39.00	**FGN, Felsic Gneiss** (garnet-amphibole gneiss) light to dark grey, overall non magnetic with local moderately magnetic sections, non conductive, and non mineralized except from 4-11 m where trace to 1% PO dissiminations occur. Unit consists fine grained black to green amphiboles (55-60%), quartz (25-30 %), red garnets (5-7%) and lesser biotite and magnetite (1-3%). Overall unit is well foliated (50-70 DTCA) although some sections where amphiboles increase to 80-85% (amphibolite) foliation is lost and rock becomes more massive. amphibolite sections observed in upper 13 meters. numerous faults and fractures with serp. infill. Unit is distintly altered from 18.50 to 23.35 m consisting of light green (serp.?) and quartz-(carbonate?). Alteration is bounded by sharp faults. Lower contact razor sharp 60 DTCA. **Mineralization** 5.50 - 9.00 : PO Pyrrhotite, DIS Disseminated, 0.5% trace to 1% **Alteration** 38.35 - 39.00 :SERP Serpentine, FF Fracture Filling, M Moderate contact alteration with adjacent unit 37.50 - 37.50 :SERP Serpentine, VN Vein, S Strong 50 DTCA 32.50 - 32.50 :SERP Serpentine, VN Vein, S Strong 25 DTCA 18.50 - 23.35 :SERP Serpentine, BN Banded, M Moderate well developed fabric 55-60 DTCA. alteration likley structurally controlled as upper and lower contacts sharp and faulted. alteration a mixture of quartz, serp., and poss carbonate. **Structure** 3.00 - 3.00 : GN Gneissic, 40 Deg to CA 3.50 - 34.50 : GN Gneissic, 60 Deg to CA 3.75 - 3.75 : FLT Fault, 40 Deg to CA serp. along fault surface 4.75 - 4.75 : GN Gneissic, 60 Deg to CA 7.80 - 7.80 : Frct Fracture, 10 Deg to CA serp. vein 15.28 - 15.28 : FLT Fault, 50 Deg to CA serp. along fault surface, well developed slickensides 18.50 - 18.50 : FLT Fault, 45 Deg to CA marks upper limit of alteration, serp. along fault surface 20.00 - 20.00 : FOL Foliated, 60 Deg to CA 23.35 - 23.35 : FLT Fault, 40 Deg to CA marks lower limit of alteration, serp. along fault surface 27.00 - 27.00 : GN Gneissic, 70 Deg to CA 28.00 - 28.00 : FLT Fault, 65 Deg to CA 29.50 - 29.50 : GN Gneissic, 55 Deg to CA 38.35 - 38.45 : G Gouge, 45 Deg to CA mixture of grey clay and dark green serp.							

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DETAILED LOG

Hole Number: **LN07-08**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Structure 39.00 - 39.00 : LC Lower Contact, 55 Deg to CA razor sharp							
39.00	42.10	**GAB, Gabbro** (altered gabbro?/mafic dike) black and mottled grey/blue, moderately magnetic (avg 15 on mag sus), non conductive and non mineralized. unit consists of fine black matrix (60%), blue green mottled relict olivines? (30 %), and brassy brown pyroxenes (10%). magnetite occurs within the matrix although non directly observed in core. Moderate serp. veining throughout. Upper and lower contacts sharp at 55 and 70 DTCA. **Texture** 39.00 - 42.10 : Mtl Mottled mottled texture caused by alteration **Structure** 40.75 - 40.75 : G Gouge, 90 Deg to CA 42.10 - 42.10 : LC Lower Contact, 70 Deg to CA lower contact is faulted & consists of fault gauge and serp infill							

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DETAILED LOG

Hole Number: **LN07-08**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
42.10	130.00	**5, Undivided Metasediments** (highly altered garnet amphibole gneiss?) Unit is highly variable and strongly altered a light to dark green color overall. locally, light to dark grey, shades of red to pinks throughout. Overall non magnetic (less than one on magnetic susceptiblity meter) with some decicentrimetric sections that are moderately magnetic. non mineralized, and potentially conductive due to multiple faults and fractures throughout. Unit is compositionally highly variable consisting of varing amounts of dark green amphiboles, light grey quartz-feldspar, dark green to black talc-serpentenite veinlets, and altered light red to plinkish garnets. Alteration consists of mm wide talc-serp. and quartz veinlets and fractures that vary from subparallel to 80 DTCA. Chaotic veining and fractures causes local brecciation (observed at 81m, 96m, 111m). Overall, unit is well foliated (40-50 DTCA) but metric intervals where unit becomes weakly foliated and appears faded/bleached and very siliceous. (76- 88.50m). **Texture** 117.50 - 130.00 : BC Broken Core RQD 20% 73.35 - 77.25 : BC Broken Core RQD 10% 51.30 - 52.00 : BC Broken Core 43.40 - 49.00 : BC Broken Core broken busted rubbley core RQD 0% **Alteration** 76.00 - 80.80 :BL Bleaching, BL Bleached, S Strong very silceous and gneisosity very weak. 60.00 - 60.70 :SERP Serpentine, V Vein, M Moderate multiple talc-serpentite veinlets 10-15 DTCA 54.00 - 55.00 :SERP Serpentine, VN Vein, M Moderate multiple veins 15-20 DTCA 42.50 - 42.50 :SERP Serpentine, VN Vein, M Moderate 70 DTCA 42.10 - 42.30 :SERP Serpentine, VN Vein, M Moderate parallel to core axis **Structure** 46.00 - 46.00 : GN Gneissic, 70 Deg to CA 50.70 - 50.70 : GN Gneissic, 55 Deg to CA 52.00 - 52.00 : FLT Fault, 40 Deg to CA green fault gauge 52.00 - 52.00 broken core, orientation non possible 57.00 - 57.00 : GN Gneissic, 50 Deg to CA 61.90 - 62.20 : Frct Fracture, 60 Deg to CA multiple talc serpentite infilled fractures 68.00 - 68.00 : GN Gneissic, 30 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-08**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Structure 71.65 - 71.65 : GN Gneissic, 55 Deg to CA 85.00 - 85.00 : GN Gneissic, 40 Deg to CA 95.50 - 95.50 : FLT Fault, 50 Deg to CA 95.50 - 96.00 multiple chaotic quartz veins 97.85 - 97.85 : FOL Foliated, 40 Deg to CA 102.00 - 102.00 : F Fractured, 40 Deg to CA 110.25 - 111.30 113.50 - 113.50 : FOL Foliated, 50 Deg to CA 114.60 - 115.00 : FLT Fault, 45 Deg to CA broken core vuggy quartz infill, light green fault gauge 117.40 - 117.40 : GN Gneissic, 30 Deg to CA 118.30 - 118.30 : Frct Fracture, 30 Deg to CA 124.80 - 124.80 : FOL Foliated, 20 Deg to CA 127.00 - 128.00 : BX Brecciation, 50 Deg to CA fault breccia							
130.00	149.25	**FGN, Felsic Gneiss** (garnet amphibole gneiss) light grey, non magnetic, non mineralized, and non conductive. Well foliated 25-50 DTCA. compositionally unit very similar to unit described from 3.00-39.00m. minor white pegmatite from 138-139.4m **MINOR INTERVALS:** **Minor Interval:** 136.35 - 136.6 PEG, Pegmatite white pegmatite uc 30 DTCA, lc 40 DTCA **Minor Interval:** 138 - 139.4 PEG, Pegmatite white pegmatite lower contact 45 DTCA. upper contact faulted 40 DTCA.							

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DETAILED LOG

Hole Number: **LN07-08**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
149.25	150.25	**MS, Massive Sulphide** (semi-massive sulphide) Sharp upper (45 DTCA), and lower (30 DTCA), contacts that parallel gneisosity of adjacent units (does not appear faulted). sulphide consists of type and amounts described below and with 0.1 to 2.0 rounded silceous fragments (wall rock) ocurring in 10-20% throughout. 149.25-149.50--- 50-60% PO, 2-3% CPY 149.50-149.75---10-15% PO, 1% CPY 149.75-150.25---50-60% PO, 1-2% CPY **Mineralization** 149.25 - 149.50 : PO Pyrrhotite, SM Semi-Massive, 60% also CPY 2-3%, brecciated with 10-15 % silceous fragments. 149.50 - 149.75 : PO Pyrrhotite, BX Breccia, 10% also CPY 1 % 149.75 - 150.25 : PO Pyrrhotite, SM Semi-Massive, 60% also CPY 1-2%.							
150.25	224.20	**FGN, Felsic Gneiss** (garnet amphibole gneiss) light grey, non magnetic except locally in upper 5m proximal to overlying SMS and over mafic rich decicentrimetric secions. non mineralized, and non conductive. unit consists of quaartz-feldspars (50-60%), green-amphiboles (20-30%), garnets (5-10%) and minor biotite magnetite (1-5%). gneisosity averages 45 DTCA and ranges between 30-60. gneisosity is defined by darker garnet and amphibole (mafic) rich bands mm to decicentrimetric wide. Unit is very competent (RQD 95-100 %). **Structure** 152.50 - 152.50 : GN Gneissic, 45 Deg to CA 156.30 - 156.30 : F Fractured, 40 Deg to CA 159.80 - 159.80 : FLT Fault, 50 Deg to CA 168.00 - 168.00 : FOL Foliated, 5 Deg to CA possible fold hinge core angles retun to 45 degrees at 171m. 177.60 - 177.60 : GN Gneissic, 50 Deg to CA 181.40 - 181.40 : Frct Fracture, 40 Deg to CA 202.90 - 202.90 : Frct Fracture, 25 Deg to CA 208.30 - 208.30 : GN Gneissic, 45 Deg to CA 215.30 - 215.30 : GN Gneissic, 40 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-09**

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Project Name:	Norway - South Norway	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM:	Collar D
Project Number:	203	North:	6670400.00		North:	0.00	Collar A
Location:	Surface	East:	5556500.00		East:	0.00	Length
		Elev:	340.00		Elev:	0.00	Start D
Date Started:	Mar 02, 2007	Collar Survey:	N	Plugged: N	Contractor:	Drillcon Core AB	Final D
Date Completed:	Mar 03, 2007	Multishot Survey:	N	Hole Size: BQ	Core Storage:		
		Pulse EM Survey:	N	Casing:			

Comments: TARGET : Hole following-up sulphide intersections in holes LN07-04 & 05.

RESULTS: hole intersected m-s from 141.35 to 141.61 and SMS from 170.95 to 171.25m. Altered gabbro intersected from 111.05 to 170.55m

Sample Averages

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
0	5.80	**CAS, Casing**							

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DETAILED LOG

Hole Number: **LN07-09**

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Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
5.80	111.05	**5, Undivided Metasediments** (altered garnet-amphibole gneiss) Light to dark grey with altered sections that are green to orange-red. Overall unit is non magnetic with some decicentrimetric intervals that are moderately magnetic. non mineralized and most likely non conductive (although major faulted secion from 51.00 to 54.45m that may be conductive). Overall unit is very siliceous consisting of light grey quartz / feldspars (70-85%), green-black amphiboles (15-25%) red garnets (1-5%), and fine biotite/magnetite (1-3%). Gneisosity well defined by alternating bands of amphibole rich sections and light grey silceous sections. Garnets, were observed also define gneisosity with mm wide garnet bands. Alteration consists of light pastel green to yellow discoloration (sericite? epidote?) and dark green to white serpentinite-talc fractures. Red-orange iron (potassium feldspar?) discoloration also observed. Below 54.45 m alteration decreases. Between 105.50 and 111.05 unit becoomes fine grained and massive (contact margin?). Lower contact defined by serpentinite filled fault/fracture 30 DTCA **Texture** 51.00 - 54.45 : BC Broken Core faulted section 13.20 - 16.40 : BC Broken Core **Mineralization** 108.00 - 111.05 : PO Pyrrhotite, D Disseminated, 0.5% trace-1% PO/PY. **Alteration** 105.50 - 111.05 :ALT Alteration, P Pervasive, S Strong contact metamorphism? unit becomes f.g. and gneisosity fades. sharp increase in garnet content. 49.00 - 50.10 :K K-Feldspar, V Vein, S Strong K-spar or hematite veining 41.00 - 41.50 :K K-Feldspar, V Vein, M Moderate K-spar or hematite chaotic veining 28.00 - 29.00 :EP Epidote, BL Bleached, M Moderate epidote ? green-yellow bleaching 23.30 - 23.90 :SERP Serpentine, VN Vein, M Moderate also quartz and talc veinlets **Structure** 10.00 - 10.00 : GN Gneissic, 50 Deg to CA 21.00 - 21.00 : GN Gneissic, 60 Deg to CA 51.00 - 54.45 : FLT Fault, 45 Deg to CA Large section of broken core. Overall fractures and faults that could be meausred were orientated 45-50 DTCA 61.20 - 61.20 : GN Gneissic, 45 Deg to CA 62.20 - 62.20 : Frct Fracture, 45 Deg to CA 82.45 - 82.45 : Frct Fracture, 30 Deg to CA 82.90 - 82.90 : Frct Fracture, 55 Deg to CA 83.60 - 83.60 : GN Gneissic, 50 Deg to CA							

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DETAILED LOG

Hole Number: **LN07-09**

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Detailed Lithology		MINOR INTERVALS:	Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
		Minor Interval: 5.8 - 11.6 8c, Pegmatite **Minor Interval:** 89.75 - 89.85 8c, Pegmatite **Minor Interval:** 94.1 - 94.4 8c, Pegmatite minor remob. PY. **Minor Interval:** 98 - 98.9 8, Dyke quartz dike							

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DETAILED LOG

Hole Number: **LN07-09**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
111.05	141.35	**7, Undivided Mafic Intrusive** (altered gabbro) Light grey-green with a faded mottled red/pink color. Weakly to moderately magnetic, mineralized from 139.3-139.65m with with 20% PO, 1% CPY. Unit is conductive over mineralized section, otherwise non mineralized and non conductive. Unit consists of light grey plagioclase and dark green amphibole laths, quartz, and mottled altered pink garnets. Minor serpentinite fractures 30-55 DTCA. Overall medium-coarse grained texture but changes below 125.50m and becomes f.g.-m.g and develops a weak fabric that fades in and out (mixed zone with gneiss?) orientated at 30 DTCA. **Mineralization** 139.65 - 141.35 : PO Pyrrhotite, TR Trace, 0.25% trace po/py 139.30 - 139.65 : PO Pyrrhotite, VN Veins, 20% 20% PO 1.0% CPY crudly banded (40 DTCA) to blebby/disseminated. 138.00 - 139.30 : PO Pyrrhotite, TR Trace, 0.25% trace PO / PY wing sample 131.00 - 132.00 : PO Pyrrhotite, TR Trace, 0.25% trace PO PY veinlets 30 DTCA **Structure** 111.05 - 111.05 : Frct Fracture, 30 Deg to CA upper contact serp. filled 115.45 - 115.45 : Frct Fracture, 40 Deg to CA serp. filled 123.35 - 123.35 : Frct Fracture, 55 Deg to CA serp. filled 131.20 - 131.20 : FOL Foliated, 30 Deg to CA 136.05 - 136.05 : Frct Fracture, 30 Deg to CA serp. filled 30 DTCA **MINOR INTERVALS:** **Minor Interval:** 132.95 - 133.15 8, Dyke quartz vein 35 DTCA **Minor Interval:** 135.3 - 135.8 8, Dyke quartz vein 35 DTCA							

DETAILED LOG

Hole Number: **LN07-09**

Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
141.35	141.65	**MS, Massive Sulphide** (massive sulphide) Consists of 95% PO and trace CPY. 5% irregular shaped 0.25 cm sub angular silceous (wall rock) fragments. Upper contact sharp 25 DTCA, lower contact moderately sharp 35 DTCA. **Mineralization** 141.35 - 141.65 : CP Chalcopyrite, BB Blebby, 3% 141.35 - 141.65 : PO Pyrrhotite, Mass Massive, 95% trace cpy **Structure** 141.35 - 141.35 : UC Upper Contact, 25 Deg to CA sharp 141.65 - 141.65 : LC Lower Contact, 35 Deg to CA mod. sharp							
141.65	170.95	**7, Undivided Mafic Intrusive** (altered gabbro) Consists of similar mineral assemblage described from 111.05 - 141.35m. Weakly mineralized with tr-1% PO/PY (see mineralization) and a 1.5 to 2.0 cm wide massive sulphide band at 142.50m. overall weakly magnetic and non conductive except where mineralized. Below 158m unit has metric sections of a garnet amphibole gneiss with a low angle gneisosity (likley digestion/ mixture of wall rock near contact). lower contact defined by SMS slug between altered gabbro and garnet-amphibole gneiss. **Mineralization** 141.65 - 142.45 : PO Pyrrhotite, TR Trace, 0.25% 167.40 - 167.50 : PO Pyrrhotite, DIS Disseminated, 2% 165.75 - 166.10 : PO Pyrrhotite, BB Blebby, 2% 164.50 - 164.60 : PO Pyrrhotite, VN Veins, 4% also 1% cpy but only locally 142.65 - 144.00 trace po/py diss. 142.45 - 142.65 : PO Pyrrhotite, VN Veins, 99% massive sulphide vien with 98 % po, 1% Py, & 1% Cpy. vein 55 DTCA. Vein only 1-2cm wide (142.50-142.52) but sampled from 142.45 to 142.65m.							
170.95	171.25	**SMS, Semi Massive Sulphide** (SMS) 60% Po, 5% Py. Sulphide is brecciated with 5-7% wall rock fragments. upper contact 20 DTCA, lower contact 55 DTCA.							

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DETAILED LOG

Hole Number: **LN07-09**

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Detailed Lithology			Assay Data						
From	To	Lithology	Sample Number	From	To	Length	Au gpt	Cu per	Sg gcm3
171.25	250.65	**5a, Siliceous Metasediments** (felsic-garnet-amphibole gneiss) light grey, non magnetic to moderately magnetic (0-20 on mag sus & avg 5), non mineralized, and non conductive. Unit consists of 70-80 % light grey quartz-feldspar assemblage, black-green amphiboles 10-15%, pink-red garnets 5%, and 1-3% magnetite and biotite. Strongly foliated and locally mylonitized forming smeared out to well defined quartz augens. **Mineralization** 171.25 - 171.75 : PO Pyrrhotite, DIS Disseminated, 1% **Structure** 195.00 - 195.00 : GN Gneissic, 40 Deg to CA 214.00 - 214.05 : GN Gneissic, 40 Deg to CA 230.00 - 230.00 : GN Gneissic, 25 Deg to CA 240.00 - 240.00 : FLT Fault, 25 Deg to CA **MINOR INTERVALS:** **Minor Interval:** 201.4 - 203 8, Dyke white pegmatite **Minor Interval:** 237.25 - 237.55 8, Dyke white pegmatite 45DTCA							