DETAILED LOG

Hole Number: ES2005-26 Units: METRIC

Project Name:	Norway - Espedalen	Primary Coordinates	Grid: UTM84-32N	Destination Coordinates	Grid: UTM:	Collar Dip:	-69.82
Project Number:	201	North:	6801057.10	North:	61.34	Collar Az:	225.70
Location:	Surface	East:	535620.30	East:	9.67	Length:	131.50 (m)
		Elev:	960.97	Elev:	960.97	Start Depth:	0.00 (m)
Date Started:	Apr 06, 2005	Collar Survey:	Y	Plugged:	N	Contractor:	Arctic Drilling A/S	Final Depth:	131.50 (m)
Date Completed:	Apr 07, 2005	Multishot Survey:	Y	Hole Size:	TT46	Core Storage:	Strand Fjellstue		
Logged By:	Lars Weiershaeuser	Pulse EM Survey:	Y	Casing:	Left in Hole, capped				

Comments: Purpose: Test UTEM conductor on L11900E, within centre of interpreted plate (conductance = 2962 Siemens).

Result: Intersected several cm to dm scale remobilized massive sulphide (po-pn-cpy) veinlets within mafic dykes from 100.89-100.98m (0.09m) and 104.30-105.27m (0.97m)

Assays: 2.13%Ni, 1.51%Cu, 0.08%Co / 0.31m (100.68-100.99m) and 1.20%Ni, 0.88%Cu, 0.04%Co / 0.95m (104.34-105.29m).

Borehole UTEM: In-hole response centered @ 104m. Correlates with intersected mineralization.

Sample Averages

Survey Data

Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
0.00	225.70	-69.82	MShot	OK		5.00	225.70	-70.26	MShot	OK	
10.00	225.72	-70.22	MShot	OK		15.00	224.85	-70.20	MShot	OK	
20.00	224.56	-70.15	MShot	OK		25.00	223.78	-69.98	MShot	OK	
30.00	222.60	-70.11	MShot	OK		35.00	221.94	-70.20	MShot	OK	
40.00	221.61	-70.28	MShot	OK		45.00	221.38	-70.24	MShot	OK	
50.00	221.31	-70.15	MShot	OK		55.00	221.09	-70.01	MShot	OK	
60.00	220.99	-70.17	MShot	OK		65.00	220.73	-70.16	MShot	OK	
70.00	220.75	-70.25	MShot	OK		75.00	220.54	-70.22	MShot	OK	
80.00	220.12	-70.22	MShot	OK		85.00	220.02	-70.23	MShot	OK	
90.00	220.02	-70.28	MShot	OK		95.00	219.43	-70.13	MShot	OK	
100.00	219.10	-70.03	MShot	OK		105.00	218.76	-70.14	MShot	OK	
110.00	218.73	-70.08	MShot	OK		115.00	218.14	-70.12	MShot	OK	
120.00	217.84	-70.10	MShot	OK		125.00	217.63	-70.15	MShot	OK	
129.00	217.60	-70.15	MShot	OK							

Detailed Lithology

From (m)	To (m)	Lithology
0	8.90	C, Casing RQD 0.00 - 8.90 : 100.00 % RQD 100.00 % Core CASING

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%

Hole Number: ES2005-26

Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
8.90	47.59	4s, Sausseritized/Tectonized Anorthosite This unit consists of fine-grained, white to light gray, non-magnetic, fairly homogeneous, foliated anorthosite. Major minerals are plagioclase and alteration minerals (chlorite, ?sericite). Depending on the abundance of alteration minerals and degree of foliation, the rock appears mottled white to light gray; changes in appearance occur on a meter-scale. Locally, the unit is cross-cut by mm-scale quartz veinlets. Mafic dykes/sills have intruded this unit. The lower contact is sharp at 60 degrees tca. This unit is not mineralized For a description of the intrusive rocks, see comments of subunits. Alteration 14.17 - 15.32 :EP Epidote, PT Patchy, W Weak especially along contacts with mafic dyke Structure 12.45 - 12.46 : S1 First Foliation, 70 Deg to CA 28.41 - 28.42 : S1 First Foliation, 70 Deg to CA 34.32 - 34.33 : S1 First Foliation, 70 Deg to CA 41.52 - 41.53 : S1 First Foliation, 70 Deg to CA 44.72 - 44.73 : S1 First Foliation, 70 Deg to CA RQD 8.90 - 12.00 : 35.00 % RQD 100.00 % Core 12.00 - 15.00 : 55.00 % RQD 100.00 % Core 15.00 - 18.00 : 41.00 % RQD 100.00 % Core 18.00 - 21.00 : 33.00 % RQD 100.00 % Core 21.00 - 24.00 : 28.00 % RQD 100.00 % Core 24.00 - 27.00 : 53.00 % RQD 100.00 % Core 27.00 - 30.00 : 61.00 % RQD 100.00 % Core 30.00 - 33.00 : 75.00 % RQD 100.00 % Core 33.00 - 36.00 : 80.00 % RQD 100.00 % Core 36.00 - 39.00 : 73.00 % RQD 100.00 % Core 39.00 - 42.00 : 66.00 % RQD 100.00 % Core 42.00 - 45.00 : 76.00 % RQD 100.00 % Core 45.00 - 48.00 : 67.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 14.17 - 15.32 MD, Mafic Dike Fine-grained homogeneous dark gray to greenish-black, non-magnetic mafic dyke/sill. The upper and lower contacts are sharp at ~70 degrees tca. This unit underwent weak epidote alteration, especially along the wallrock contacts. This unit is not mineralized.								

Hole Number: ES2005-26 Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 16.46 - 22.45 MD, Mafic Dike Fine grained, black, weakly to moderately magnetic, homogeneous, foliated mafic dyke/sill. Towards the footwall contact the unit becomes lighter in color. Two anorthosite ?xenoliths are located between 20.96 - 21.15m and 21.34 - 21.48m; the contacts are sharp between ~60 and 85 degrees tca. This subunit contains trace po. Mineralization 16.46 - 22.45 : Po Pyrrhotite, TR Trace, 0.1% trace po, locally along foliation Structure 19.81 - 19.82 : S1 First Foliation, 80 Deg to CA 20.90 - 20.91 : S1 First Foliation, 70 Deg to CA							
47.59	59.55	MD, Mafic Dike Fine-grained dark gray to greenish-black, non-magnetic, homogeneous, finely foliated mafic rock, composed of amphibole/pyroxene, chlorite, and alteration minerals. Patchy quartz-epidote alteration is abundant locally between 48.85m and 49.40m. The upper contact is sharp at 60 degrees tca, the lower contact is sharp but irregular; the latter is discordant to the foliation of the underlying anorthosite unit. This unit contains trace po, locally along the foliation. Mineralization 47.59 - 59.55 : Po Pyrrhotite, TR Trace, 0.5% very rare disseminated trace po, locally along foliation Alteration 48.85 - 49.40 :EP Epidote, PT Patchy, W Weak 48.85 - 49.40 :Q Quartz, PT Patchy, W Weak Structure 54.72 - 54.73 : S1 First Foliation, 75 Deg to CA RQD 48.00 - 51.00 : 90.00 % RQD 100.00 % Core 51.00 - 54.00 : 65.00 % RQD 100.00 % Core 54.00 - 57.00 : 94.00 % RQD 100.00 % Core 57.00 - 60.00 : 87.00 % RQD 100.00 % Core							

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Units: METRIC

Detailed Lithology

From (m)	To (m)	Lithology
59.55	131.50	4s, Sausseritized/Tectonized Anorthosite This unit consists of fine-grained, white to light gray, non-magnetic, fairly homogeneous, foliated anorthosite. Major minerals are plagioclase and alteration minerals (chlorite, ?sericite). Depending on the abundance of alteration minerals and degree of foliation, the rock appears mottled white to light gray; changes in appearance occur on a meter-scale. Locally, the unit is cross-cut by mm-scale quartz veinlets. Mafic dykes/sills have intruded this unit. The lower contact is sharp at 60 degrees tca. This unit contains trace po between 83.5 and 96m For a description of the intrusive rocks, see comments of subunits. Mineralization 107.02 - 107.03 : Pn Pentlandite, VN Veins, 2% remobilized veinlet 107.02 - 107.03 : Py Pyrite, VN Veins, 10% remobilized veinlet 107.02 - 107.03 : Po Pyrrhotite, VN Veins, 50% remobilized veinlet 105.86 - 105.96 : Po Pyrrhotite, TR Trace, 0.5% 83.50 - 96.00 : Po Pyrrhotite, TR Trace, 0.5% Alteration 66.55 - 73.50 :ALT Alteration, P Pervasive, W Weak fuchsite 127.82 - 128.73 :EP Epidote, P Pervasive, W Weak Structure 66.29 - 66.30 : S1 First Foliation, 60 Deg to CA 69.71 - 69.72 : S1 First Foliation, 75 Deg to CA 74.67 - 74.68 : S1 First Foliation, 85 Deg to CA 87.24 - 87.25 : S1 First Foliation, 70 Deg to CA 94.58 - 94.59 : S1 First Foliation, 80 Deg to CA 105.70 - 105.71 : S1 First Foliation, 85 Deg to CA 111.42 - 111.43 : S1 First Foliation, 80 Deg to CA 116.14 - 116.15 : S1 First Foliation, 80 Deg to CA 122.22 - 122.23 : S1 First Foliation, 75 Deg to CA 129.05 - 129.06 : S1 First Foliation, 70 Deg to CA RQD 60.00 - 63.00 : 56.00 % RQD 100.00 % Core 63.00 - 66.00 : 83.00 % RQD 100.00 % Core 66.00 - 69.00 : 91.00 % RQD 100.00 % Core 69.00 - 72.00 : 90.00 % RQD 100.00 % Core 72.00 - 75.00 : 93.00 % RQD 100.00 % Core 75.00 - 78.00 : 88.00 % RQD 100.00 % Core 78.00 - 81.00 : 86.00 % RQD 100.00 % Core

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
PG03839	99.23	100.68	1.45	0.0250	0.0250	0.0100
PG03840	100.68	100.99	0.31	2.1300	1.5100	0.0800
PG03841	100.99	102.00	1.01	0.0250	0.0600	0.0100
PG03842	102.00	103.03	1.03	0.0700	0.1100	0.0100
PG03843	103.03	104.34	1.31	0.0250	0.0250	0.0100
PG03844	104.34	105.29	0.95	1.2000	0.8800	0.0400
PG03845	105.29	106.54	1.25	0.0500	0.0600	0.0100
PG03846	106.54	107.59	1.05	0.0250	0.0250	0.0100

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Detailed Lithology

From (m)	To (m)	Lithology
		RQD 81.00 - 84.00 : 85.00 % RQD 100.00 % Core 84.00 - 87.00 : 90.00 % RQD 100.00 % Core 87.00 - 90.00 : 93.00 % RQD 100.00 % Core 90.00 - 93.00 : 91.00 % RQD 100.00 % Core 93.00 - 96.00 : 100.00 % RQD 100.00 % Core 96.00 - 99.00 : 82.00 % RQD 100.00 % Core 99.00 - 102.00 : 66.00 % RQD 100.00 % Core 102.00 - 105.00 : 77.00 % RQD 100.00 % Core 105.00 - 108.00 : 72.00 % RQD 100.00 % Core 108.00 - 111.00 : 68.00 % RQD 100.00 % Core 111.00 - 114.00 : 83.00 % RQD 100.00 % Core 114.00 - 117.00 : 85.00 % RQD 100.00 % Core 117.00 - 120.00 : 79.00 % RQD 100.00 % Core 120.00 - 123.00 : 92.00 % RQD 100.00 % Core 123.00 - 126.00 : 78.00 % RQD 100.00 % Core 126.00 - 129.00 : 57.00 % RQD 100.00 % Core 129.00 - 131.50 : 57.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 63.3 - 65.7 MD, Mafic Dike Fine grained, black, non-magnetic, homogeneous, foliated mafic dyke/sill. The upper contact is sharp (break in core), the lower contact is sharp at 50 degrees tca. This subunit contains trace po. Mineralization 63.30 - 65.70 : Po Pyrrhotite, TR Trace, 0.5% Structure 64.73 - 64.74 : S1 First Foliation, 55 Deg to CA Minor Interval: 78.16 - 83.42 MD, Mafic Dike Fine-grained homogeneous dark gray to greenish-black, non-magnetic mafic dyke/sill. The upper contact is sharp at ~80 degrees tca, lower contact is fairly well defined but irregular. A recrystallized and partly digested anorthosite ?xenolith is at 79.59 - 79.85m; the upper contact is sharp but irregular and the lower contact is sharp at 80 degrees tca. This unit is not mineralized. Structure 82.74 - 82.75 : S1 First Foliation, 80 Deg to CA

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%

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Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 96.44 - 96.83 MD, Mafic Dike Fine-grained homogeneous dark gray to greenish-black, non-magnetic mafic dyke/sill. The upper contact is sharp at ~90 degrees tca, the lower contact is gradational. This unit is not mineralized. Minor Interval: 98.66 - 103.03 MD, Mafic Dike Fine-grained homogeneous dark gray to greenish-black, non-magnetic mafic dyke/sill. The upper contact is sharp but irregular, and the lower contact is sharp at ~80 degrees tca. This unit contains trace amounts of po as well as a 9cm wide massive sulfide section containing po, pn, and cpy. The lower contact is marked by an about 0.5cm wide sulfide ?veinlet containing po and cpy. Mineralization 103.01 - 103.02 : Cpy Chalcopyrite, VN Veins, 20% 103.01 - 103.02 : Po Pyrrhotite, VN Veins, 10% 100.73 - 100.78 : Po Pyrrhotite, VN Veins, 10% +py+cpy 100.89 - 100.98 : Cpy Chalcopyrite, FG Fine Grained, 5% 100.89 - 100.98 : Pn Pentlandite, EY Eyes, 5% 100.89 - 100.98 : Po Pyrrhotite, M Massive, 80% Structure 100.20 - 100.21 : S1 First Foliation, 65 Deg to CA Minor Interval: 104.3 - 105.27 MD, Mafic Dike Fine-grained homogeneous dark gray to greenish-black, non-magnetic mafic dyke/sill. The upper contact is sharp but irregular, and the lower contact is sharp at ~70 degrees tca. This unit contains numerous cm-sclale anorthosite ?xenoliths. Sulfide mineralization consists of remobilized veinlets containing po, cpy, py, and pn. Mineralization 104.30 - 105.27 : Pn Pentlandite, VN Veins, 1% remobilized veinlets 104.30 - 105.27 : Cpy Chalcopyrite, VN Veins, 1% remobilized veinlets 104.30 - 105.27 : Py Pyrite, VN Veins, 2% remobilized veinlets 104.30 - 105.27 : Po Pyrrhotite, VN Veins, 5% remobilized veinlets								

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Units: METRIC

Detailed Lithology

From (m)	To (m)	Lithology
		MINOR INTERVALS: Minor Interval: 127.82 - 128.73 MD, Mafic Dike Fine-grained homogeneous dark gray to greenish-black, non-magnetic mafic dyke/sill. The upper contact is sharp at ~65 degrees tca, and the lower contact is sharp at ~60 degrees tca. This unit is weakly to moderately pervasively epidote altered. The unit is not mineralized. Minor Interval: 130.82 - 131.5 MD, Mafic Dike Fine-grained homogeneous dark gray to greenish-black, non-magnetic mafic dyke/sill. The upper contact is sharp at ~80 degrees tca. The lower contact of this unit is not know as the hole was shut down.

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type ASSAY					
PG03839	99.23	100.68	0.0250	0.0250	0.0100
PG03840	100.68	100.99	2.1300	1.5100	0.0800
PG03841	100.99	102.00	0.0250	0.0600	0.0100
PG03842	102.00	103.03	0.0700	0.1100	0.0100
PG03843	103.03	104.34	0.0250	0.0250	0.0100
PG03844	104.34	105.29	1.2000	0.8800	0.0400
PG03845	105.29	106.54	0.0500	0.0600	0.0100
PG03846	106.54	107.59	0.0250	0.0250	0.0100