DETAILED LOG

Hole Number: ES2006-52 Units: METRIC

Project Name:	Norway - Espedalen	Primary Coordinates	Grid: UTM84-32N		Destination Coordinates	Grid: UTM:	
Project Number:	201	North:	6800958.00		North:	61.34	
Location:	Surface	East:	535917.40		East:	9.67	
		Elev:	961.44		Elev:	961.44	
Date Started:	Mar 10, 2006	Collar Survey:	N	Plugged: N	Contractor:	Arctic Drilling A/S	
Date Completed:	Mar 15, 2006	Multishot Survey:	N	Hole Size: TT46	Core Storage:	Strand Fjellstue	
Logged By:	ybeaudoin	Pulse EM Survey:	N	Casing: Left in Hole, capped			

Collar Dip:	-80.00		
Collar Az:	230.00		
Length:	271.20 (m)		
Start Depth:	0.00 (m)		
Final Depth:	271.20 (m)		

Comments: Purpose: To test the SE downplunge potential of the known Stormyra main mineralized zone.

Summary: Anorthosite/anorthositic gabbro sequence with ultramafic occurences.

The only major ultramafic occurence is from 145.75-147.10m and consists of a trace mineralized (py) peridotite.

Notable mineralization: 0.51m thick massive po-pn-ccp at 80.41m.
Numerous (<10cm) po-pn stringers from 81.45m to 86.99m.

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	80.41	82.97	2.56	2.1226	0.4713	0.0618
WEIGHTED	80.41	84.98	4.57	1.4561	0.3757	0.0587

Detailed Lithology

From (m)	To (m)	Lithology
0	9.95	C, Casing RQD 0.00 - 9.95 : 100.00 % RQD 100.00 % Core CASING

Assay Data

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

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
9.95	12.03	MD, Mafic Dike Fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, finely foliated mafic rock, composed of amphibole/pyroxene, chlorite, and alteration minerals. The unit is strongly tectonized and is likely exhibiting the effects of a shear. Foliation is variable...~30 degrees tca to near perpendicular tca near lower contact (84 degrees tca). Patchy quartz-epidote alteration is observed locally. The lower contact is sharp at 84 degrees tca. Rare disseminated pyrite/pyrrhotite, mm-scale pyrite cubes and pyrite veinlets (fracture controlled) are observed. Structure 10.00 - 10.01 : Sm General Foliation, 28 Deg to CA strong 12.02 - 12.03 : LC Lower Contact, 84 Deg to CA sharp RQD 9.95 - 13.00 : 50.00 % RQD 100.00 % Core							

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Detailed Lithology

From (m)	To (m)	Lithology
12.03	41.45	4s, Sausseritized/Tectonized Anorthosite Medium grained, well foliated, grey-white-green, non-magnetic, saussuritized anorthosite that consists of varying amounts of plagioclase and mafic minerals. Alteration includes local hematization, ?sericitization; other alteration minerals include chlorite, epidote? and fuchsite (after 19.68m) . This unit is cut by dm-scale mafic intrusives which appear as fine grained, green-gray, non-magnetic, well foliated, unmineralized intrusions (dykes/sills) (see minor units for contact relationships and interval lengths). Cm-scale unmineralized ultramafic schists are also observed. Up to 19.68m, the unit is intensely foliated (shear zone). Beyond 19.68m, unit is less intensely foliated, more leucocratic and homogeneous. The upper contact is sharp at 84 degrees tca. The lower contact is sharp at 69 degrees tca. Structure 12.03 - 12.04 : UC Upper Contact, 84 Deg to CA sharp 41.44 - 41.45 : LC Lower Contact, 69 Deg to CA sharp RQD 13.00 - 15.00 : 69.00 % RQD 100.00 % Core 15.00 - 18.00 : 56.00 % RQD 100.00 % Core 18.00 - 21.00 : 60.00 % RQD 100.00 % Core 21.00 - 24.00 : 84.00 % RQD 100.00 % Core 24.00 - 27.00 : 87.00 % RQD 100.00 % Core 27.00 - 30.00 : 65.00 % RQD 100.00 % Core 30.00 - 33.00 : 61.00 % RQD 100.00 % Core 33.00 - 36.00 : 69.00 % RQD 100.00 % Core 36.00 - 39.00 : 70.00 % RQD 100.00 % Core 39.00 - 42.00 : 87.00 % RQD 100.00 % Core

Assay Data

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

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 15.42 - 15.98 MD, Mafic Dike Fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, finely foliated mafic rock that consists of amphibole/pyroxene, chlorite, and alteration minerals. This unit is unmineralized. The upper and lower contacts are sharp at 76 and 79 degrees tca, respectively. Structure 15.42 - 15.43 : UC Upper Contact, 76 Deg to CA sharp 15.97 - 15.98 : LC Lower Contact, 79 Deg to CA sharp Minor Interval: 37.31 - 37.66 PYXT, Pyroxenite Grayish, homogeneous, non-magnetic unit interfingering anorthositic gabbro. The unit is biotized and has undergone talc alteration. This unit contains trace disseminated py-po. The upper and lower contacts are sharp at 71 and near 90 degrees tca, respectively. Structure 37.31 - 37.32 : UC Upper Contact, 71 Deg to CA sharp 37.65 - 37.66 : LC Lower Contact, 90 Deg to CA sharp							

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
41.45	51.80	MD, Mafic Dike Fine-grained ,dark gray to greenish-black, locally weakly magnetic, homogeneous, finely foliated mafic rock. The main minerals are amphibole/pyroxene, chlorite, and alteration minerals. Patchy quartz-epidote alteration is observed locally. The upper and lower contacts are sharp at 69 and near 90 degrees tca, respectively. Rare disseminated pyrite/pyrrhotite is observed.. Structure 41.45 - 41.46 : UC Upper Contact, 69 Deg to CA sharp 42.30 - 42.31 : Sm General Foliation, 88 Deg to CA strong 51.79 - 51.80 : LC Lower Contact, 90 Deg to CA sharp RQD 42.00 - 45.00 : 97.00 % RQD 100.00 % Core 45.00 - 48.00 : 84.00 % RQD 100.00 % Core 48.00 - 51.00 : 64.00 % RQD 100.00 % Core 51.00 - 54.00 : 72.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 47.05 - 48.52 4s, Sausseritized/Tectonized Anorthosite							

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
51.80	65.14	4s, Sausseritized/Tectonized Anorthosite Medium-grained, well-foliated, gray-white-green, non-magnetic, saussuritized anorthosite consisting of varying amounts of plagioclase and mafic minerals. Alteration includes local hematization, ?sericitization; other alteration minerals include biotite, chlorite, epidote? and fuchsite. This unit is intermixed with dm- and cm-scale mafic intrusives which appear as fine-grained, green-gray, non-magnetic, well-foliated, unmineralized intrusions. Cm-scale unmineralized ultramafic schists are also observed. The upper contact is sharp at near 90 degrees tca. The lower contact is sharp at 58 degrees tca. Structure 51.80 - 51.82 : UC Upper Contact, 90 Deg to CA sharp 57.90 - 57.91 : Sm General Foliation, 84 Deg to CA strong 63.40 - 63.41 : Sm General Foliation, 70 Deg to CA strong 65.13 - 65.14 : LC Lower Contact, 58 Deg to CA sharp RQD 54.00 - 57.00 : 82.00 % RQD 100.00 % Core 57.00 - 60.00 : 79.00 % RQD 100.00 % Core 60.00 - 63.00 : 84.00 % RQD 100.00 % Core 63.00 - 66.00 : 75.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 58.95 - 59.11 PYXT, Pyroxenite Dark grayish, homogeneous, weakly magnetic unit interfingering anorthositic gabbro. The unit is biotized and has undergone talc alteration. The unit contains trace disseminated py-po. The upper and lower contacts are sharp at 70 and 81 degrees tca, respectively. Structure 58.95 - 58.96 : UC Upper Contact, 70 Deg to CA sharp 59.10 - 59.11 : LC Lower Contact, 81 Deg to CA sharp								

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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%
65.14	67.89	MD, Mafic Dike Fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, finely foliated mafic rock, containing amphibole/pyroxene, chlorite, and alteration minerals Patchy quartz-epidote alteration is observed locally. The upper and lower contacts are sharp at 58 and near 90 degrees tca, respectively. Rare disseminated pyrite/pyrrhotite is observed.. Structure 65.14 - 65.15 : UC Upper Contact, 58 Deg to CA sharp 67.88 - 67.89 : LC Lower Contact, 90 Deg to CA sharp RQD 66.00 - 69.00 : 97.00 % RQD 100.00 % Core							

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Detailed Lithology

From (m)	To (m)	Lithology
67.89	80.10	4s, Sausseritized/Tectonized Anorthosite Medium-grained, well-foliated, white-grayish, non-magnetic, saussuritized anorthosite containing varying amounts of plagioclase and mafic minerals. Alteration includes local hematization, ?sericitization; other alteration minerals include biotite and chlorite. This unit is intermixed with dm- and cm-scale mafic intrusives which appear as fine-grained, green-gray, non-magnetic, well-foliated, unmineralized intrusions.Dm- (see minors) and cm-scale ultramafic schists are also observed. From the upper contact to ~75.7 m the unit is very dark gray-greenish (saussuritization?). Beyond 75.7m, the unit has the more typical white-green colour. The upper contact is sharp at near 90 degrees tca. The lower contact is not observable due to broken core., but a highly tectonized anorthositic portion is present at 80.10m. Structure 67.89 - 67.90 : UC Upper Contact, 90 Deg to CA sharp 68.89 - 68.90 : Sm General Foliation, 90 Deg to CA strong 69.99 - 78.00 : Sm General Foliation, 88 Deg to CA moderate-strong RQD 69.00 - 72.00 : 97.00 % RQD 100.00 % Core 72.00 - 75.00 : 96.00 % RQD 100.00 % Core 75.00 - 78.00 : 94.00 % RQD 100.00 % Core 78.00 - 81.00 : 72.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 77.07 - 77.29 PYXT, Pyroxenite Dark grayish, homogeneous, weakly magnetic unit interfingering anorthositic gabbro. The unit is biotized and has undergone talc alteration. The unit contains trace disseminated py-po. The upper and lower contacts are sharp at near 90 degrees tca. Structure 77.07 - 77.08 : UC Upper Contact, 90 Deg to CA sharp 77.28 - 77.29 : LC Lower Contact, 90 Deg to CA sharp

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
PG00471	78.93	79.51	0.58	0.0250	0.0250	0.0100
PG00472	79.51	80.41	0.90	0.0250	0.0250	0.0100

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Detailed Lithology

From (m)	To (m)	Lithology
80.10	83.48	MD, Mafic Dike Fine-grained greenish to light greenish, locally weakly magnetic, homogeneous, finely foliated mafic (intermediate?) rock, containing amphibole/pyroxene, ?plagioclase, chlorite, and alteration minerals. Foliation varies from near 90 degrees tca to locally 47 degrees tca (folded?). A 17 cm wide mineralized ultramfic intrusive cuts the mafic unit (see minors) at 82.55m. The upper contact is not observed due to broken core. The lower contact is sharp at near 90 degrees tca. Within the unit, rare disseminated po and mm-scale po veinlets are observed. The unit is cut by: a 51 cm band of po-pn-ccp massive sulphide (see minor units and mineralization), an 8 cm wide po-pn-ccp stringer (see mineralization), a 6cm wide po-pn-ccp stringer (see mineralization), and a 5cm wide po-pn-ccp stringer (see mineralization). The lower contact is marked by a 9cm wide po-pn-ccp stringer (see mineralization in next major unit). Mineralization 82.93 - 82.97 : Cpy Chalcopyrite, F Fracture Controlled, 2% in proximity to stringer; parallel to foliation 82.85 - 82.93 : Cpy Chalcopyrite, D Disseminated, 5% disseminated in po stringer 82.85 - 82.93 : Pn Pentlandite, BB Blebby, 10% "eyes" in po stringer 82.85 - 82.93 : Po Pyrrhotite, STR Stringers, 85% 81.58 - 81.65 : Pn Pentlandite, BB Blebby, 10% in po stringer; pn "eyes" 81.58 - 81.65 : Po Pyrrhotite, STR Stringers, 90% 81.45 - 81.52 : Pn Pentlandite, BB Blebby, 10% pn "eyes" 81.45 - 81.52 : Po Pyrrhotite, M Massive, 90% stringer Structure 83.47 - 83.48 : LC Lower Contact, 90 Deg to CA sharp RQD 81.00 - 84.00 : 76.00 % RQD 100.00 % Core

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
PG00473	80.41	80.92	0.51	6.8600	1.3100	0.1900
PG00474	80.92	81.40	0.48	0.2600	0.1800	0.0100
PG00476	81.40	81.70	0.30	2.9100	0.5400	0.0900
PG00477	81.70	82.55	0.85	0.0900	0.0250	0.0100
PG00478	82.55	82.97	0.42	2.0500	0.6400	0.0500
PG00479	82.97	83.48	0.51	0.0500	0.0500	0.0100

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 80.41 - 80.92 MS, Massive Sulphide >90-95% massive po-pn-ccp; ~5-10% cm -cale subangular to angular black (ultramafic?) fragments. 70-75% po 10-15% pn 5-10% ccp Pentlandite occurs as mm-scale "eyes" throughout the unit. Ccp occurs as disseminated sulphide and as stringers. Po is pervasive. This style of mineralization is consistent with mineralization found throughout the Stormyra area; the depth of the mineralization is consistent with intersections of remobilized sulfides in the two neighboring sections. The upper and lower contacts are sharp at 54 and 85 degrees tca, respectively. Mineralization 80.41 - 80.92 : Cpy Chalcopyrite, STR Stringers, 10% 80.41 - 80.92 : Pn Pentlandite, BB Blebby, 15% mm scale "eyes" 80.41 - 80.92 : Po Pyrrhotite, M Massive, 75% Structure 80.41 - 80.42 : UC Upper Contact, 54 Deg to CA sharp 80.91 - 80.92 : LC Lower Contact, 84 Deg to CA sharp						

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 82.55 - 82.74 PYXT, Pyroxenite Dark greenish-gray unit with mm-scale biotite, fragments of mafic intrusive and a po-pn-ccp stringer (see mineralization). The unit is moderately to strongly (where mineralized) magnetic. A cm-scale rounded fragment of anorthositic gabbro is also present near the lower contact. The unit is mineralized throughout (1-3% po-pn?) with a 6cm wide po-pn-ccp stringer near the lower contact (see mineralization). The upper and lower contacts are sharp at near 90 degrees tca. Mineralization 82.68 - 82.74 : Cpy Chalcopyrite, D Disseminated, 5% disseminated within po stringer 82.68 - 82.74 : Pn Pentlandite, BB Blebby, 10% "eyes" in stringer 82.68 - 82.74 : Po Pyrrhotite, STR Stringers, 85% 82.55 - 82.68 : Po Pyrrhotite, D Disseminated, 2% Structure 82.55 - 82.56 : UC Upper Contact, 90 Deg to CA sharp 82.71 - 82.72 : LC Lower Contact, 90 Deg to CA sharp							

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Units: METRIC

Detailed Lithology

From (m)	To (m)	Lithology
83.48	98.25	4s, Sausseritized/Tectonized Anorthosite Medium-grained, well-foliated, gray-white-green, non-magnetic, saussuritized anorthosite consisting of varying amounts of plagioclase and mafic minerals. Alteration includes local ?sericitization; other alteration minerals include chlorite. Locally, foliation is variable from near 90 degrees tca to near parallel tca, possibly indicating folding? This unit is cut by a dm-scale greenish, foliated mafic intrusive with mineralized upper and lower contacts (see mineralization and minor units for detail). 3 additional cm-scale po-pn stringers are observed (see mineralization) possibly associated with ultramafic dyklets. The upper contact is sharp at near 90 degrees tca. The lower contact is sharp at 88 degrees tca. Mineralization 86.96 - 86.99 : Po Pyrrhotite, STR Stringers, 10% pn? py? 84.86 - 84.96 : Po Pyrrhotite, D Disseminated, 45% py? 84.37 - 84.38 : Po Pyrrhotite, STR Stringers, 85% 84.23 - 84.28 : Po Pyrrhotite, STR Stringers, 25% 84.12 - 84.16 : Po Pyrrhotite, STR Stringers, 45% 83.48 - 83.58 : Pn Pentlandite, BB Blebby, 5% <mm scale flecks 83.48 - 83.58 : Po Pyrrhotite, STR Stringers, 95% Structure 83.48 - 83.49 : UC Upper Contact, 90 Deg to CA sharp; mineralized 88.00 - 88.01 : Sm General Foliation, 90 Deg to CA strong 98.24 - 98.25 : LC Lower Contact, 88 Deg to CA sharp RQD 84.00 - 87.00 : 59.00 % RQD 100.00 % Core 87.00 - 90.00 : 89.00 % RQD 100.00 % Core 90.00 - 93.00 : 79.00 % RQD 100.00 % Core 93.00 - 96.00 : 76.00 % RQD 100.00 % Core 96.00 - 99.00 : 67.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 84.16 - 84.24 MD, Mafic Dike

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
PG00480	83.48	84.48	1.00	0.8300	0.4200	0.0700
PG00481	84.48	84.98	0.50	0.7300	0.1300	0.0700
PG00482	84.98	85.48	0.50	0.0600	0.0250	0.0100
PG00483	85.48	86.58	1.10	0.0800	0.0500	0.0100
PG00484	86.58	87.08	0.50	0.1700	0.0600	0.0100
PG00485	87.08	87.98	0.90	0.0250	0.0250	0.0100
PG00486	87.98	88.88	0.90	0.0250	0.0250	0.0100

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
98.25	102.00	MD, Mafic Dike Fine-grained, dark gray to greenish-black, locally weakly magnetic, homogeneous, strongly foliated mafic rock, containing amphibole/pyroxene, plagioclase, chlorite, and alteration minerals. Patchy quartz-epidote alteration is observed locally. Cm-scale unmineralized ultramafic intrusives cut the unit. Dm-scale anorthositic gabbro ?"rafts" are also found in the unit. The upper contact is sharp at 88 degrees tca. The lower contact is not observed due to broken core. Rare disseminated pyrite/pyrrhotite, mm-scale pyrite cubes and pyrite veinlets (fracture controlled) are observed. Structure 98.25 - 98.26 : UC Upper Contact, 88 Deg to CA sharp 101.49 - 101.50 : Sm General Foliation, 64 Deg to CA strong RQD 99.00 - 102.00 : 61.00 % RQD 100.00 % Core							

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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%
102.00	112.31	4s, Sausseritized/Tectonized Anorthosite This unit consists of a medium-grained, well-foliated, white-green, non-magnetic, saussuritized anorthosite containing varying amounts of plagioclase and mafic minerals. Alteration includes local ?sericitization; other alteration minerals include chlorite and epidote?. This unit is cut by numersou cm- and dm- (see minors) scale mafic intrusives which are fine grained, green-gray, non-magnetic, well foliated, unmineralized to trace mineralized (pyrite) intrusions (dykes/sills). The upper contact is is not observed due to broken core. The lower contact is sharp at 71 degrees tca. Structure 112.30 - 112.31 : LC Lower Contact, 71 Deg to CA sharp RQD 102.00 - 105.00 : 70.00 % RQD 100.00 % Core 105.00 - 108.00 : 82.00 % RQD 100.00 % Core 108.00 - 111.00 : 80.00 % RQD 100.00 % Core 111.00 - 114.00 : 96.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 107.34 - 108.06 MD, Mafic Dike Fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, strongly foliated mafic rock. The main minerals are amphibole/pyroxene, plagioclase, chlorite, and alteration minerals. Grain size fines at contacts, possibly indicating chilled margins? Patchy quartz-epidote alteration is observed locally. Theupper contact is sharp at near 90 degrees tca. Thelower contact is sharp at near 90 degrees tca. Rare disseminated pyrite and mm-scale pyrite cubes are observed. Structure 107.34 - 107.35 : UC Upper Contact, 90 Deg to CA sharp; chill margin 108.05 - 108.06 : LC Lower Contact, 90 Deg to CA sharp; chill margin								

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 109.22 - 110.09 MD, Mafic Dike This unit consists of a fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, strongly foliated mafic rock; it contains amphibole/pyroxene, plagioclase, chlorite, and alteration minerals. Patchy quartz-epidote alteration is observed locally. The upper contact is sharp at 59 degrees tca. The lower contact is sharp at 74 degrees tca. Rare disseminated pyrite and mm-scale pyrite cubes are observed. Structure 109.22 - 109.23 : UC Upper Contact, 59 Deg to CA sharp 110.08 - 110.09 : LC Lower Contact, 74 Deg to CA sharp							
112.31	115.42	MD, Mafic Dike Fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, strongly foliated mafic rock that contains abundant amphibole/pyroxene, plagioclase, chlorite, and alteration minerals. Dm-scale anorthositic gabbro"rafts"? occur within the unit. Patchy quartz-epidote alteration is observed locally. The upper contact is sharp at 71 degrees tca. The lower contact is sharp at 84 degrees tca. Rare disseminated pyrite and mm-scale pyrite cubes are observed. Structure 112.31 - 112.32 : UC Upper Contact, 71 Deg to CA sharp 115.00 - 115.01 : Sm General Foliation, 89 Deg to CA strong 115.41 - 115.42 : LC Lower Contact, 84 Deg to CA sharp RQD 114.00 - 117.00 : 75.00 % RQD 100.00 % Core							

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
115.42	143.75	4s, Sausseritized/Tectonized Anorthosite This unit consists of a medium-grained, well-foliated, white-green, non-magnetic, saussuritized anorthosite containing of varying amounts of plagioclase and mafic minerals. Alteration includes local ?sericitization; other alteration minerals include chlorite and epidote?. This unit is cut by cm- and dm-scale (see minor units for description) mafic intrusives which occur as fine grained, green-gray, non-magnetic, well foliated, unmineralized to trace mineralized (pyrite) intrusions (dykes/sills). The unit is unmineralized to trace mineralized (py, at 129.94m) dm- and cm-scale ultramafic intrusives cut the unit. The upper and lower contacts are sharp at 84 and 90 degrees tca, respectively. Structure 115.42 - 115.43 : UC Upper Contact, 84 Deg to CA sharp 117.00 - 117.01 : Sm General Foliation, 78 Deg to CA strong 129.00 - 129.01 : Sm General Foliation, 78 Deg to CA strong 143.74 - 143.75 : LC Lower Contact, 90 Deg to CA sharp RQD 117.00 - 120.00 : 69.00 % RQD 100.00 % Core 120.00 - 123.00 : 79.00 % RQD 100.00 % Core 123.00 - 126.00 : 80.00 % RQD 100.00 % Core 126.00 - 129.00 : 87.00 % RQD 100.00 % Core 129.00 - 132.00 : 97.00 % RQD 100.00 % Core 132.00 - 135.00 : 98.00 % RQD 100.00 % Core 135.00 - 138.00 : 95.00 % RQD 100.00 % Core 138.00 - 141.00 : 74.00 % RQD 100.00 % Core 141.00 - 144.00 : 71.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 119.1 - 119.29 MD, Mafic Dike Minor Interval: 122.92 - 123.11 MD, Mafic Dike								

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		MINOR INTERVALS: Minor Interval: 123.67 - 123.83 6e, Ultramafic Schist Weakly magnetic, fine-grained, altered (talc) ultramafic schist. The unit contains trace pyrite (or po?) mineralization. The upper and lower contacts are sharp at 60 and near 90 degrees tca, respectively. Structure 123.67 - 123.68 : UC Upper Contact, 60 Deg to CA sharp; talc at contact 123.82 - 123.83 : LC Lower Contact, 90 Deg to CA sharp Minor Interval: 137.53 - 137.83 MD, Mafic Dike Structure 137.53 - 137.54 : UC Upper Contact, 87 Deg to CA sharp 137.82 - 137.83 : LC Lower Contact, 90 Deg to CA sharp						
143.75	147.10	PRDT, Peridotite A black to locally grayish black, homogeneous, fine grained, weakly to locally moderately magnetic peridotite (locally schistose near the contacts) compose this unit. Alteration is dominated by talc/serpentinite. The upper and lower contacts are sharp at near 90 degrees tca. The unit has very local trace disseminated po and mm-scale pyrite "cubes" but is for the most part unmineralized. Alteration 143.75 - 147.10 :TL Talc, F Fracture Controlled, M Moderate Structure 143.75 - 143.76 : UC Upper Contact, 90 Deg to CA sharp 147.09 - 147.10 : LC Lower Contact, 90 Deg to CA sharp RQD 144.00 - 147.00 : 65.00 % RQD 100.00 % Core 147.00 - 150.00 : 80.00 % RQD 100.00 % Core						

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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%
147.10	151.34	MD, Mafic Dike This unit consists of a fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, strongly foliated mafic rock. It contains abundant amphibole/pyroxene, plagioclase, chlorite, and alteration minerals. Dm-scale anorthositic gabbro "rafts"? occur in the unit. Patchy quartz-epidote alteration is observed locally. The upper contact is sharp at near 90 degrees tca. The lower contact is sharp at 84 degrees tca. Rare disseminated pyrite and mm-scale pyrite cubes are observed. Structure 147.10 - 147.11 : UC Upper Contact, 90 Deg to CA sharp 151.33 - 151.34 : LC Lower Contact, 84 Deg to CA sharp RQD 150.00 - 153.00 : 97.00 % RQD 100.00 % Core							

Hole Number: ES2006-52

Units: METRIC

Detailed Lithology

From (m)	To (m)	Lithology
151.34	174.30	4s, Sausseritized/Tectonized Anorthosite This unit consists of a medium-grained, well-foliated, white-green, non-magnetic, saussuritized anorthosite, which contains varying amounts of plagioclase and mafic minerals. Alteration includes local ?sericitization; other alteration minerals include chlorite and epidote?. This unit is cut by numerous cm-scale mafic intrusives which occur as fine grained, green-gray, non-magnetic, well foliated, unmineralized to trace mineralized (pyrite) dykelets. Mineralized cm- and dm-scale schistose ultramafic dykes occur between 166.75m and 168.50m (see minor units for description of dm-scale units and minerlization for description of cm-scale intersections). Mineralization consists of 1-3% disseminated po and stringers of po. The upper contact is sharp at 84 degrees tca. The lower contact is sharp at 89 degrees tca. Mineralization 172.10 - 172.19 : Po Pyrrhotite, D Disseminated, 1% hosted in 6e dykelet 167.91 - 167.95 : Po Pyrrhotite, STR Stringers, 5% hosted in 6e dykelet 167.18 - 167.28 : Po Pyrrhotite, D Disseminated, 0.5% hosted in 6e dykelet 167.05 - 167.09 : Po Pyrrhotite, STR Stringers, 3% hosted in 6e dykelet 166.77 - 166.87 : Po Pyrrhotite, D Disseminated, 2% hosted in 6e dykelet; some po strigners Structure 151.34 - 151.35 : UC Upper Contact, 84 Deg to CA sharp 174.29 - 174.30 : LC Lower Contact, 89 Deg to CA sharp RQD 153.00 - 156.00 : 93.00 % RQD 100.00 % Core 156.00 - 159.00 : 98.00 % RQD 100.00 % Core 159.00 - 162.00 : 96.00 % RQD 100.00 % Core 162.00 - 165.00 : 98.00 % RQD 100.00 % Core 165.00 - 168.00 : 96.00 % RQD 100.00 % Core 168.00 - 171.00 : 98.00 % RQD 100.00 % Core 171.00 - 174.00 : 99.00 % RQD 100.00 % Core 174.00 - 177.00 : 97.00 % RQD 100.00 % Core

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
PG00487	165.24	166.24	1.00	0.0250	0.0250	0.0100
PG00488	166.24	167.00	0.76	0.0250	0.0250	0.0100
PG00489	167.00	167.79	0.79	0.0250	0.0250	0.0100
PG00490	167.79	168.21	0.42	0.0250	0.0250	0.0100
PG00491	168.21	168.49	0.28	0.0250	0.0250	0.0100
PG00492	168.49	169.49	1.00	0.0250	0.0250	0.0100

Hole Number: ES2006-52

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: 167 - 167.79 6e, Ultramafic Schist Schistose, moderately magnetic, weakly mineralized ultramafic dyke. Talc alteration is observed. Dm-scale anorthositic "raft"? is contained within the unit. Mineralization consists of 1-3% po (stringers and disseminated). The upper and lower contacts are sharp at near 90 degreess and 89 degrees tca, respectively. Mineralization 167.00 - 167.79 : Po Pyrrhotite, STR Stringers, 2% 1-3% po; also disseminated Structure 167.00 - 167.01 : UC Upper Contact, 90 Deg to CA sharp 167.78 - 167.79 : LC Lower Contact, 89 Deg to CA sharp Minor Interval: 168.21 - 168.49 6e, Ultramafic Schist Schistose, moderately magnetic, weakly mineralized ultramafic dyke. Talc alteration is observed. Dm-scale anorthositic "raft"? is contained within the unit. Mineralization consists of 0.5-1% po (stringers and disseminated). The upper and lower contacts are sharp at 89 degreess and near 90 degrees tca, respectively. Mineralization 168.21 - 168.49 : Po Pyrrhotite, D Disseminated, 1% ; finely disseminated; some po stringers Structure 168.21 - 168.22 : UC Upper Contact, 89 Deg to CA sharp 168.48 - 168.49 : LC Lower Contact, 90 Deg to CA sharp							

Hole Number: ES2006-52

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: 169.01 - 169.32 MD, Mafic Dike Fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, finely foliated mafic rock that contains abundant amphibole/pyroxene, chlorite, and alteration minerals. Patchy quartz-epidote alteration is observed locally. The upper and lower contacts are sharp at 89 and near 90 degrees tca, respectively. Structure 169.01 - 169.02 : UC Upper Contact, 89 Deg to CA sharp 169.31 - 169.32 : LC Lower Contact, 90 Deg to CA sharp Minor Interval: 170.58 - 170.95 MD, Mafic Dike Fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, finely foliated mafic rock, with abundant of amphibole/pyroxene, chlorite, and alteration minerals. Patchy quartz-epidote alteration is observed locally. The upper and lower contacts are sharp near 90 degrees tca. Structure 170.58 - 170.59 : UC Upper Contact, 90 Deg to CA sharp 170.94 - 170.95 : LC Lower Contact, 90 Deg to CA sharp							

Hole Number: ES2006-52

Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
174.30	185.18	MD, Mafic Dike This unit consists of a fine-grained dark gray to greenish-black, locally weakly magnetic, homogeneous, finely foliated mafic rock with abundant amphibole/pyroxene, chlorite, and alteration minerals Patchy quartz-epidote alteration is observed locally. The upper and lower contacts are sharp at near 90 degrees tca. Rare disseminated pyrite/pyrrhotite is observed.. Structure 174.30 - 174.31 : UC Upper Contact, 90 Deg to CA sharp 185.09 - 185.10 : LC Lower Contact, 90 Deg to CA sharp RQD 177.00 - 180.00 : 96.00 % RQD 100.00 % Core 180.00 - 183.00 : 93.00 % RQD 100.00 % Core 183.00 - 186.00 : 95.00 % RQD 100.00 % Core							

Hole Number: ES2006-52

Units: METRIC

Detailed Lithology

From (m)	To (m)	Lithology
185.18	189.67	4s, Sausseritized/Tectonized Anorthosite Medium-grained, well-foliated, white-green, non-magnetic, saussuritized anorthosite with varying amounts of plagioclase and mafic minerals. Alteration includes local ?sericitization; other alteration minerals include chlorite and epidote?. The foliation intensifies towards the lower contact. This unit is cut by cm-scale mafic intrusives which occur as fine grained, green-gray, non-magnetic, well-foliated, unmineralized to trace mineralized (pyrite) dykelets. Acm-scale mineralized, schistose ultramafic dykelet occurs from 186.26 - 186.34 m. Mineralization consists of 1% po (disseminated and stringers). The upper and lower contacts are sharp at near 90 degrees tca. Mineralization 186.26 - 186.34 : Po Pyrrhotite, D Disseminated, 1% some stringers; hosted in 6e dykelet Structure 185.18 - 185.19 : UC Upper Contact, 90 Deg to CA sharp 189.66 - 189.67 : LC Lower Contact, 90 Deg to CA sharp RQD 186.00 - 189.00 : 95.00 % RQD 100.00 % Core 189.00 - 192.00 : 96.00 % RQD 100.00 % Core

Assay Data

Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
PG00447	185.65	186.15	0.50	0.0250	0.0250	0.0100
PG00448	186.15	186.45	0.30	0.0250	0.0250	0.0300
PG00449	186.45	187.05	0.60	0.0250	0.0250	0.0100

Hole Number: ES2006-52

Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
189.67	271.20	10d, Volcaniclastics Overall fine to medium-grained (locally very fine-grained and locally coarser), well-foliated, lineated, green to gray, non- to weakly magnetic (where magnetite is present) mafic to intermediate metavolcanic sequence with an altered (predominantly chlorite, sericite, pyroxenes, biotite, some epidote proximal to quartzofeldspathic veinlets.). This unit contains 1-3% mm-scale, white quartzofeldspathic veinlets (parallel to foliation). Mineralogical constituents fluctuate on a dm-scale, with more mafic sections (biotite-bearing) and more felsic horizons (very fine-grained). Variable grain size may indicate alternation between flows and volcaniclastics. Some coarser bands may represent near surface intrusive bodies. Rare occurences of disseminated py(po?). Interpretation: Mafic to intermediate metavolcanics, metavolcaniclastics, tuffs?; Late Proterozoic sequence outside of anorthositic Espedalen Complex. RQD 192.00 - 195.00 : 96.00 % RQD 100.00 % Core 195.00 - 198.00 : 99.00 % RQD 100.00 % Core 198.00 - 201.00 : 97.00 % RQD 100.00 % Core 201.00 - 204.00 : 100.00 % RQD 100.00 % Core 204.00 - 207.00 : 99.00 % RQD 100.00 % Core 207.00 - 210.00 : 96.00 % RQD 100.00 % Core 210.00 - 213.00 : 97.00 % RQD 100.00 % Core 213.00 - 216.00 : 99.00 % RQD 100.00 % Core 216.00 - 219.00 : 96.00 % RQD 100.00 % Core 219.00 - 223.00 : 97.00 % RQD 100.00 % Core 223.00 - 226.00 : 100.00 % RQD 100.00 % Core 226.00 - 229.00 : 98.00 % RQD 100.00 % Core 229.00 - 232.00 : 100.00 % RQD 100.00 % Core 232.00 - 235.00 : 90.00 % RQD 100.00 % Core 235.00 - 238.00 : 95.00 % RQD 100.00 % Core 238.00 - 241.00 : 94.00 % RQD 100.00 % Core 241.00 - 244.00 : 98.00 % RQD 100.00 % Core 244.00 - 247.00 : 91.00 % RQD 100.00 % Core 247.00 - 250.00 : 84.00 % RQD 100.00 % Core 250.00 - 253.00 : 82.00 % RQD 100.00 % Core 253.00 - 256.00 : 69.00 % RQD 100.00 % Core 256.00 - 259.00 : 66.00 % RQD 100.00 % Core 259.00 - 262.00 : 70.00 % RQD 100.00 % Core 262.00 - 265.00 : 64.00 % RQD 100.00 % Core								

Hole Number: ES2006-52

Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD 265.00 - 271.20 : 54.00 % RQD 100.00 % Core							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type ASSAY					
PG00471	78.93	79.51	0.0250	0.0250	0.0100
PG00472	79.51	80.41	0.0250	0.0250	0.0100
PG00473	80.41	80.92	6.8600	1.3100	0.1900
PG00474	80.92	81.40	0.2600	0.1800	0.0100
PG00476	81.40	81.70	2.9100	0.5400	0.0900
PG00477	81.70	82.55	0.0900	0.0250	0.0100
PG00478	82.55	82.97	2.0500	0.6400	0.0500
PG00479	82.97	83.48	0.0500	0.0500	0.0100
PG00480	83.48	84.48	0.8300	0.4200	0.0700
PG00481	84.48	84.98	0.7300	0.1300	0.0700
PG00482	84.98	85.48	0.0600	0.0250	0.0100
PG00483	85.48	86.58	0.0800	0.0500	0.0100
PG00484	86.58	87.08	0.1700	0.0600	0.0100
PG00485	87.08	87.98	0.0250	0.0250	0.0100
PG00486	87.98	88.88	0.0250	0.0250	0.0100
PG00487	165.24	166.24	0.0250	0.0250	0.0100
PG00488	166.24	167.00	0.0250	0.0250	0.0100
PG00489	167.00	167.79	0.0250	0.0250	0.0100
PG00490	167.79	168.21	0.0250	0.0250	0.0100
PG00491	168.21	168.49	0.0250	0.0250	0.0100
PG00492	168.49	169.49	0.0250	0.0250	0.0100
PG00447	185.65	186.15	0.0250	0.0250	0.0100
PG00448	186.15	186.45	0.0250	0.0250	0.0300
PG00449	186.45	187.05	0.0250	0.0250	0.0100