

Hole Number: ES2005-45

Units: METRIC

Project Name:	Norway - Espedalen	Primary Coordinates	Grid: UTM84-32N	Destination Coordinates	Grid: UTM:	Collar Dip:	-70.00
Project Number:	201	North:	6802713.83	North:	61.36	Collar Az:	230.00
Location:	Surface	East:	532957.99	East:	9.62	Length:	159.40 (m)
		Elev:	1048.67	Elev:	1048.67	Start Depth:	0.00 (m)
Date Started:	Aug 19, 2005	Collar Survey:	Y	Plugged:	N	Contractor:	Arctic Drilling A/S
Date Completed:	Aug 26, 2005	Multishot Survey:	N	Hole Size:	TT46	Core Storage:	Strand Fjellstue
Logged By:	ybeaudoin	Pulse EM Survey:	N	Casing:	Left in Hole, capped	Final Depth:	159.40 (m)

Comments: Purpose: Test UTEM conductor ESP_22_19, within the centre of interpreted plate (Conductivity = 75 Siemens) at a vertical depth of 85m.

Result: The hole intersected a mineralized peridotite from 92.19m-122.24m (30.05m), which contained 5-15% fine grained pyrrhotite from 111.10-119.83m (8.73m) and 6.25m-6.60m (0.35m). Uphole of this mineralized peridotite, a series of intermixed anorthosites, mafic and ultramafic rocks were intersected (pyroxenite, peridotite and norite).

Assays: 0.23% Ni, 0.14% Cu, 0.03% Co / 8.73m (111.10-119.83m).

Borehole UTEM: Survey to be conducted in November 2005.

Lithological interpretation: Anorthositic terrain (Heim's rock suite 2a) intruded by narrow, locally mineralized, ultramafic to mafic bodies (Heim's rock suite 2b).

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	111.00	119.80	8.80	0.2340	0.1354	0.0333
WEIGHTED	114.00	115.70	1.70	0.4300	0.2818	0.0512

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	7.50	C, Casing RQD 0.00 - 7.50 : 100.00 % RQD 100.00 % Core CASING							

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
7.50	25.38	<p>4, Anorthosite / Anorthosite Gabbro</p> <p>Medium grained, light grey to white, strongly foliated, anorthosite / anorthositic gabbro. Above 18.60m, plagioclase is generally white with dark green to dark gray mafic minerals.</p> <p>From 18.60m (minor unit), sausseritization of the plagioclase is more pervasive producing an overall purplish-gray coloration.</p> <p>The entire major interval is unmineralized and non-magnetic.</p> <p>The lower contact of this unit (upper contact of following unit) is sharp at 78 degrees to the ca.</p> <p>Core recovery is not 100% over the major interval. The unit is locally crumbly as a result of shearing.</p> <p>Structure</p> <p>8.67 - 8.68 : S1 First Foliation, 75 Deg to CA</p> <p>16.40 - 16.55 crumbled core; no measurement</p> <p>21.69 - 21.70 : S1 First Foliation, 90 Deg to CA</p> <p>25.37 - 25.38 : UC Upper Contact, 78 Deg to CA</p> <p>RQD</p> <p>7.50 - 10.00 : 25.00 % RQD 100.00 % Core</p> <p>10.00 - 13.00 : 49.00 % RQD 100.00 % Core</p> <p>13.00 - 16.00 : 8.30 % RQD 90.00 % Core</p> <p>16.00 - 19.00 : 19.30 % RQD 95.00 % Core</p> <p>19.00 - 22.00 : 28.00 % RQD 95.00 % Core</p> <p>22.00 - 25.00 : 28.00 % RQD 100.00 % Core</p> <p>25.00 - 28.00 : 34.00 % RQD 85.00 % Core</p> <p>MINOR INTERVALS:</p> <p>Minor Interval:</p> <p>7.5 - 18.6 4, Anorthosite / Anorthosite Gabbro</p> <p>Texture</p> <p>7.50 - 18.60 : Cg Coarse Grained strongly foliated</p> <p>Minor Interval:</p> <p>18.6 - 25.38 4s, Sausseritized/Tectonized Anorthosite</p> <p>Texture</p> <p>18.60 - 25.38 : Mg Medium Grained strongly foliated</p>							

DETAILED LOG

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
25.38	31.08	MD, Mafic Dike This unit is a fine to medium grained, strongly foliated, altered (chloritized?) mafic intrusive or flow. The unit is unmineralized and non-magnetic. Both upper and lower contacts are sharp at 78 degrees to ca and 88 degrees to ca, respectively. Texture 25.38 - 31.08 : Fg Fine Grained Structure 29.24 - 29.25 : S1 First Foliation, 82 Deg to CA 31.07 - 31.08 : S1 First Foliation, 88 Deg to CA RQD 28.00 - 31.00 : 38.00 % RQD 100.00 % Core 31.00 - 34.00 : 49.00 % RQD 100.00 % Core							

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
31.08	41.14	4, Anorthosite / Anorthosite Gabbro	PG00311	38.59	39.59	1.00	0.0250	0.0250	0.0100
		Medium grained, light grey to white, strongly foliated, anorthosite / anorthositic gabbro. Above 36.20m, plagioclase is generally white with dark green to dark gray mafic minerals. Mafic minerals dominate over felsic ones. Anorthosite is unmineralized.	PG00312	39.59	39.79	0.20	0.0250	0.0250	0.0100
			PG00313	39.79	39.99	0.20	0.0250	0.0250	0.0100
			PG00314	39.99	40.19	0.20	0.0250	0.0250	0.0100
			PG00315	40.19	41.14	0.95	0.0250	0.0250	0.0100
		From 36.20m (minor unit), sausseritization of the plagioclase is more pervasive producing an overall purplish-gray coloration.							
		Grain size is overall medium to locally coarse grained.							
		The entire major interval is unmineralized and non-magnetic.							
		The upper contact of this unit (lower contact of previous unit) is sharp at 75 degrees to the ca. The lower contact (upper contact of following unit) is somewhat diffuse at 90 degrees to ca.							
		Mineralization							
		40.77 - 41.14 : Po Pyrrhotite, D Disseminated, 1%							
		40.77 - 41.14 : Py Pyrite, D Disseminated, 2%							
		39.59 - 40.19 : Py Pyrite, D Disseminated, 0.5%							
		39.59 - 40.19 : Po Pyrrhotite, D Disseminated, 2%							
		Structure							
		37.69 - 37.70 : UC Upper Contact, 75 Deg to CA sharp							
		41.13 - 41.14 : LC Lower Contact, 90 Deg to CA sharp							
		RQD							
		34.00 - 37.00 : 81.00 % RQD 100.00 % Core							
		37.00 - 40.00 : 48.00 % RQD 100.00 % Core							
		40.00 - 43.00 : 35.00 % RQD 100.00 % Core							
		MINOR INTERVALS:							
		Minor Interval:							
		31.08 - 36.2 4, Anorthosite / Anorthosite Gabbro							
		Texture							
		31.08 - 36.20 : Mg Medium Grained							
		Alternating between coarse and medium grained bands							
		Minor Interval:							
		36.2 - 39.59 4s, Sausseritized/Tectonized Anorthosite							

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>MINOR INTERVALS:</p> <p>Minor Interval: 39.59 - 40.19 PYXT, Pyroxenite Medium grained, equigranular, dark green, weakly to moderately magnetic, homogenous pyroxenite composed of 95% brown-green pyroxenes , trace to 5% plagioclase (locally white wisps).</p> <p>This unit contains trace to 3% finely disseminated pyrrhotite-pyrite (trace chalcopyrite).</p> <p>The upper and lower contacts of this minor unit are sharp at 70 and 75 degrees to ca, respectively.</p> <p>Structure 39.59 - 39.60 : UC Upper Contact, 75 Deg to CA sharp 40.18 - 40.19 : LC Lower Contact, 70 Deg to CA sharp</p> <p>Minor Interval: 40.77 - 41.14 PYXT, Pyroxenite Medium grained, equigranular, dark green, weakly to moderately magnetic, homogenous pyroxenite composed of 95% brown-green pyroxenes , trace to 5% plagioclase (locally white wisps).</p> <p>This unit contains trace to 3% finely disseminated pyrrhotite-pyrite (trace chalcopyrite).</p> <p>The upper and lower contacts of this minor unit are sharp at 84 and 90 degrees to ca respectively.</p> <p>Structure 40.77 - 40.78 : UC Upper Contact, 84 Deg to CA sharp 41.13 - 41.14 : LC Lower Contact, 90 Deg to CA sharp</p>							

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
41.14	43.94	6f, Norite	PG00316	41.14	41.44	0.30	0.0250	0.0250	0.0100
		Medium grained, equigranular, massive, weakly magnetic, dark gray norite composed of 75-90% dark gray to black pyroxenes and 10-25% white plagioclase.	PG00317	41.44	41.94	0.50	0.0250	0.0250	0.0100
		<p>The unit is essentially unmineralized except for a mm scale veinlet, which is cross cutting.</p> <p>The upper and lower contacts of the unit are sharp at 78 and 90 respectively.</p> <p>Contacts with minor 6d unit are sharp.</p> <p>Structure</p> <p>41.16 - 41.17 : UC Upper Contact, 78 Deg to CA sharp</p> <p>41.93 - 41.94 : LC Lower Contact, 90 Deg to CA sharp</p> <p>RQD</p> <p>43.00 - 46.00 : 70.00 % RQD 100.00 % Core</p> <p>MINOR INTERVALS:</p> <p>Minor Interval:</p> <p>41.44 - 41.71 PYXT, Pyroxenite</p> <p>Medium grained, equigranular, dark green, moderately to strongly magnetic, homogenous pyroxenite composed of 95% brown-green pyroxenes, trace to 5% plagioclase (locally white wisps).</p> <p>This unit contains trace to 3% clustered pyrrhotite-pyrite (trace chalcopyrite).</p> <p>The upper and lower contacts of this minor unit are sharp at 70 and 75 degrees to ca, respectively.</p> <p>Mineralization</p> <p>41.47 - 41.71 : Py Pyrite, D Disseminated, 1% also occur as clusters</p> <p>41.47 - 41.71 : Po Pyrrhotite, D Disseminated, 2% also occur as clusters</p> <p>Structure</p> <p>41.44 - 41.45 : UC Upper Contact, 84 Deg to CA sharp</p> <p>41.70 - 41.71 : LC Lower Contact, 43 Deg to CA sharp</p> <p>Minor Interval:</p> <p>41.94 - 42.6 4, Anorthosite / Anorthosite Gabbro</p> <p>Minor Interval:</p> <p>43.04 - 43.94 4, Anorthosite / Anorthosite Gabbro</p>	PG00318	41.94	42.60	0.66	0.0250	0.0250	0.0100
			PG00319	42.60	43.04	0.44	0.0250	0.0250	0.0100
			PG00320	43.04	43.94	0.90	0.0250	0.0250	0.0100

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
43.94	50.84	PYXT, Pyroxenite	PG00321	43.94	44.44	0.50	0.0250	0.0250	0.0300
		Medium grained, equigranular, dark green, moderately to strongly magnetic, homogenous pyroxenite composed of 98% dark brown-green pyroxenes and trace plagioclase. Small (<3cm) fragments of non to partially assimilated anorthosite are visible throughout the unit.	PG00322	44.44	44.94	0.50	0.1200	0.0900	0.0300
		This unit contains trace to locally 10% disseminated, blebby and clustered pyrrhotite-pyrite with minor chalcopyrite. Brighter flecks within the pyrrhotite clusters may be pentlandite exsolution?	PG00323	44.94	45.94	1.00	0.0250	0.0250	0.0100
			PG00324	45.94	46.44	0.50	0.0250	0.0250	0.0100
		Clusters of 10% sulphide produced conductivity responses of 40.1S (at 44.50m), 116.2S (at 47.50m) and 103.0S (at 48.00m).	PG00326	46.44	46.94	0.50	0.0250	0.0250	0.0100
			PG00327	46.94	47.94	1.00	0.0250	0.0250	0.0100
		The upper and lower contacts of this minor unit are sharp at 90 and 83 degrees to ca, respectively.	PG00328	47.94	48.44	0.50	0.0250	0.0250	0.0100
			PG00329	48.44	49.44	1.00	0.0250	0.0250	0.0100
		Mineralization 43.94 - 50.84 : Py Pyrite, D Disseminated, 2% also minor blebby and clustered 43.94 - 50.84 : Po Pyrrhotite, D Disseminated, 3% also minor blebby and clustered Structure 43.94 - 43.95 : UC Upper Contact, 90 Deg to CA sharp 50.83 - 50.84 : LC Lower Contact, 83 Deg to CA Gradational contact from UM to norite RQD 46.00 - 49.00 : 91.00 % RQD 100.00 % Core 49.00 - 52.00 : 61.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 48.4 - 48.62 4, Anorthosite / Anorthosite Gabbro Minor Interval: 49.04 - 49.27 4, Anorthosite / Anorthosite Gabbro Minor Interval: 49.5 - 50.12 4, Anorthosite / Anorthosite Gabbro Minor Interval: 50.38 - 50.84 4, Anorthosite / Anorthosite Gabbro	PG00330	49.44	50.44	1.00	0.0250	0.0250	0.0100
			PG00331	50.44	50.84	0.40	0.0250	0.0250	0.0100

DETAILED LOG

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
50.84	54.15	MD, Mafic Dike Gray-green, medium grained, non to weakly magnetic, homogeneous mafic dyke. Unit is unmineralized. Cm scale fragments of anorthosite are locally observed. Upper and lower are characterized by chill margins with both averaging 83 degrees to ca. Texture 50.84 - 54.15 : Mg Medium Grained Structure 50.84 - 50.85 : UC Upper Contact, 83 Deg to CA diffuse; chill margin 51.24 - 51.25 : S1 First Foliation, 81 Deg to CA 54.14 - 54.15 : LC Lower Contact, 83 Deg to CA chill margin RQD 52.00 - 55.00 : 68.00 % RQD 100.00 % Core	PG00332	50.84	51.84	1.00	0.0250	0.0250	0.0100

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
65.15	66.45	<p>6c, Oikocrystic Pyroxenite</p> <p>Dark grey, strongly magnetic, massive to weakly foliated olivine pyroxenite composed of 95% pyroxenes (as fine grained black groundmass, medium grained brown bronzite crystals and as cm scale light grey porphyroblasts), and 5% black serpentine veinlets. Veinlets criss cross the unit but are not overly abundant. Porphyroblastic pyroxenes are generally poorly developed, function of retrogression? Disseminated magnetite is present throughout the unit.</p> <p>This unit contains rare trace disseminated pyrrhotite.</p> <p>Upper and lower contacts are sharp at 78 and 65 degrees to ca, respectively. The lower contact is characterized by a serpentine filled gash.</p> <p>Alteration 65.15 - 66.45 :SERP Serpentine, V Vein, W Weak</p> <p>Structure 65.15 - 65.16 : UC Upper Contact, 78 Deg to CA sharp 66.44 - 66.45 : LC Lower Contact, 65 Deg to CA sharp with serpentine filled tension gash</p>							

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
66.45	72.75	<p>4, Anorthosite / Anorthosite Gabbro</p> <p>Medium to locally coarse anorthosite to anorthositic gabbro. Unit is progressively more sausseritized near the lower contact with ultramafic. Dark gray/black pyroxenes and white plagioclase; weakly to moderately foliated.</p> <p>Unit is unmineralized and non magnetic.</p> <p>Upper and lower contact are sharp at 58 and 76 degrees to ca, respectively.</p> <p>Decimeter scale unmineralized gabbroic unit observed at 69.50m.</p> <p>Structure 66.45 - 66.46 : UC Upper Contact, 58 Deg to CA sharp 66.90 - 67.30 : S1 First Foliation, 1 Deg to CA parallel to ca 72.74 - 72.75 : LC Lower Contact, 76 Deg to CA sharp; saussertized</p> <p>RQD 67.00 - 70.00 : 67.00 % RQD 100.00 % Core 70.00 - 73.00 : 63.00 % RQD 100.00 % Core</p> <p>MINOR INTERVALS: Minor Interval: 67.8 - 68.31 GAB, Gabbro Medium grained, non magnetic, weakly foliated leuco-gabbronorite with 30-35% dark brown gray pyroxenes and 65-70% altered plagioclase giving the unit an overall greenish-gray colour.</p> <p>Unit is unmineralized.</p> <p>Upper contact is sharp and syn-parallel to ca. Lower contact is sharp at 48 degrees to ca.</p> <p>Structure 67.80 - 67.81 : UC Upper Contact, 2 Deg to CA half core is 4 other half is 7a; flat to ca 68.30 - 68.31 : LC Lower Contact, 48 Deg to CA sharp</p>	PG00333	71.50	72.75	1.25	0.0250	0.0250	0.0100

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>MINOR INTERVALS:</p> <p>Minor Interval:</p> <p>70.7 - 70.96 6c, Oikocrystic Pyroxenite</p> <p>Dark grey, strongly magnetic, massive to weakly foliated olivine pyroxenite composed of 95% pyroxenes (as fine grained black groundmass, medium grained brown bronzite crystals and as cm scale light grey porphyroblasts), and black serpentine veinlets. Veinlets criss cross the unit but are not overly abundant. Porphyroblastic pyroxenes are generally poorly developed. Disseminated magnetite is present throughout the unit.</p> <p>This unit is unmineralized.</p> <p>Upper and lower contacts are sharp at 75 and 78 degrees to ca, respectively.</p> <p>Structure</p> <p>70.70 - 70.71 : UC Upper Contact, 75 Deg to CA sharp</p> <p>70.95 - 70.96 : LC Lower Contact, 78 Deg to CA sharp</p>							

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
72.75	78.95	PRDT, Peridotite	PG00334	72.75	73.15	0.40	0.0250	0.0250	0.0100
		<p>Fine to medium grained, non to weakly foliated, non to locally moderately magnetic peridotite. Unit is dark purplish gray to locally black. Unit interfingers anorthosite as evident by repeated minor units of anorthosite. Nearer to lower contact, peridotite is more greenish in appearance due to more advanced assimilation of anorthositic material? Magnetite is locally visible as fine black grains.</p> <p>Overall trace mineralization only but locally, decimeter scale zones of up to 1% po, py and trace cpy occurring as finely disseminated sulphide and in thin mm scale veinlets cutting the peridotite. Minor mineralization was observed in partially assimilated anorthositic material at 77.8m.</p> <p>Pale alteration veinlets (talc?) are also observed.</p> <p>Upper and lower contacts are sharp at 72 and 81 degrees to ca, respectively.</p> <p>Mineralization 72.75 - 78.95 : Py Pyrite, D Disseminated, 0.5% 72.75 - 78.95 : Po Pyrrhotite, D Disseminated, 0.5%</p> <p>Structure 72.75 - 72.76 : UC Upper Contact, 72 Deg to CA sharp 75.30 - 75.31 : S1 First Foliation, 79 Deg to CA 78.94 - 78.95 : LC Lower Contact, 81 Deg to CA sharp</p> <p>RQD 73.00 - 76.00 : 47.00 % RQD 100.00 % Core 76.00 - 79.00 : 79.00 % RQD 100.00 % Core</p> <p>MINOR INTERVALS: Minor Interval: 73.6 - 74.35 4, Anorthosite / Anorthosite Gabbro</p> <p>Structure 73.60 - 73.61 : UC Upper Contact, 77 Deg to CA sharp</p> <p>Minor Interval: 76.03 - 76.98 4, Anorthosite / Anorthosite Gabbro</p> <p>Structure 76.03 - 76.04 : UC Upper Contact, 73 Deg to CA sharp 76.97 - 76.98 : LC Lower Contact, 72 Deg to CA sharp</p>	PG00335	73.15	74.45	1.30	0.0250	0.0250	0.0100
			PG00336	74.45	75.00	0.55	0.0250	0.0250	0.0100
			PG00337	75.00	75.50	0.50	0.0250	0.0250	0.0100
			PG00338	75.50	76.05	0.55	0.0250	0.0250	0.0100
			PG00339	76.05	77.40	1.35	0.0250	0.0250	0.0100
			PG00340	77.40	77.80	0.40	0.0250	0.0250	0.0100
			PG00341	77.80	78.00	0.20	0.0250	0.0250	0.0100
			PG00342	78.00	78.50	0.50	0.0250	0.0250	0.0100
			PG00343	78.50	78.95	0.45	0.0250	0.0250	0.0100

Hole Number: ES2005-45

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: 77.78 - 78.42 4, Anorthosite / Anorthosite Gabbro Structure 77.78 - 77.79 : UC Upper Contact, 80 Deg to CA diffuse; inprecise measurement 78.41 - 78.42 : LC Lower Contact, 39 Deg to CA sharp							
78.95	88.05	4s, Sausseritized/Tectonized Anorthosite RQD 79.00 - 82.00 : 91.00 % RQD 100.00 % Core 82.00 - 85.00 : 81.00 % RQD 100.00 % Core 85.00 - 88.00 : 88.00 % RQD 100.00 % Core 88.00 - 91.00 : 70.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 81.94 - 82.4 4, Anorthosite / Anorthosite Gabbro Texture 81.94 - 82.40 : Cg Coarse Grained Minor Interval: 82.4 - 83.05 MD, Mafic Dike Medium grained, non magnetic, chloritized, weakly foliated gabbroic unit. Unit has an overall greenish colour. Unit is unmineralized. Upper and lower contacts are sharp at 83 and 78 degrees to ca respectively. Lower contact defined by mm scale veinlet with dark black mineral (serpentine?). Structure 82.40 - 82.41 : UC Upper Contact, 83 Deg to CA sharp contact marked by black, mm scale veinlet (serpentine?) 83.04 - 83.05 : LC Lower Contact, 78 Deg to CA sharp	PG00344	78.95	80.40	1.45	0.0250	0.0250	0.0100
			PG00345	87.05	88.05	1.00	0.0250	0.0250	0.0100

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
88.05	92.19	6f, Norite Fine to medium grained, weakly to moderately magnetic, weakly foliated, dark purplish-gray norite. Plagioclase content varies from 3-5% at the top to 70-75% near the middle. There is no sharp contact between the plagioclase poor and plagioclase rich portions. Grain size varies from fine at the top, to medium around the middle and back to fine near the lower contact. At 90.35m a small (cm diameter), sub-rounded fragment of mafic volcanic/intrusive is observed within the leucocratic norite matrix The unit is contains 0.5% to locally 1% disseminated, blebby and veinlet hosted pyrite-pyrrhotite. Mineralization 88.05 - 92.19 : Py Pyrite, D Disseminated, 1% minor veinlets 88.05 - 92.19 : Po Pyrrhotite, D Disseminated, 1% minor veinlets Structure 88.05 - 88.06 : UC Upper Contact, 78 Deg to CA sharp 92.18 - 92.19 : LC Lower Contact, 76 Deg to CA moderately diffuse RQD 91.00 - 94.00 : 89.00 % RQD 100.00 % Core	PG00346	88.05	89.05	1.00	0.0250	0.0250	0.0100
			PG00347	89.05	90.05	1.00	0.0250	0.0250	0.0100
			PG00348	90.05	91.05	1.00	0.0250	0.0250	0.0100
			PG00349	91.05	92.19	1.14	0.0250	0.0250	0.0100
92.19	94.34	4, Anorthosite / Anorthosite Gabbro Structure 94.14 - 94.15 : S1 First Foliation, 79 Deg to CA 94.33 - 94.34 : LC Lower Contact, 83 Deg to CA sharp RQD 94.00 - 97.00 : 51.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 92.19 - 93.17 MD, Mafic Dike Medium grained, non magnetic, chloritized, weakly foliated gabbroic unit. Unit has an overall greenish colour. Unit is unmineralized. Upper with 6f is moderately diffuse at 78 degrees to ca. Lower contact is sharp at 85 degrees to ca. Structure 92.19 - 92.20 : LC Lower Contact, 83 Deg to CA sharp 92.19 - 92.20 : UC Upper Contact, 78 Deg to CA moderately diffuse	PG00350	92.19	93.19	1.00	0.0250	0.0250	0.0100
			PG00352	93.19	94.34	1.15	0.0250	0.0250	0.0100

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
94.34	122.24	PRDT, Peridotite	PG00353	94.34	95.34	1.00	0.0900	0.1200	0.0100
		<p>Fine to locally medium grained, locally non to locally strongly magnetic, weakly foliated peridotite. Relic olivine visible near the top of the unit and in relatively unaltered, medium grained horizons. Unit is progressively more altered (talc and serpentine) towards the middle and lower portions. Small, black magnetite crystals are visible mainly in the less altered portions. Unit is non magnetic and soft within the most pervasively altered portions. Unit colour varies from dark purplish-gray (less altered) to greenish-gray (more altered).</p> <p>The lower contact zone of the unit (from 121-122.24m) is defined by a weakly assimilated (nearer to 121m) to contact breccia-like anorthosite to altered ultramafic. The contact breccia-like portion consists of a gradational change from anorthosite dominated with minor interstitial ultramafic matrix to ultramafic dominated with minor subrounded anorthosite fragment. The terminal lower contact with the next major anorthosite unit is sharp at 71 degrees to ca.</p> <p>Unit is mineralized throughout. Overall 3-5% disseminated and stringer hosted pyrrhotite, pyrite and minor chalcopyrite. Local intervals are more sulphide rich: From 95.60-95.70m, 8-10% disseminated and stringer hosted po-py with trace cpy; from 96.85-97.50m, 5-8% disseminated and stringer hosted po-py with minor cpy; from 111.10-112.44m, 8-10% stringer hosted and disseminated po, py and minor cpy; from 114.04-114.84m, 13-15% stringer hosted and disseminated po, py and minor cpy; from 115.14-115.79m, 8-10% stringer hosted and disseminated po, py and minor cpy. The previous intervals overlap the most altered portions of the unit.</p> <p>Upper and lower contacts with anorthosite are sharp at 83 and 71 degrees to ca, respectively.</p> <p>Mineralization 119.33 - 119.83 : Py Pyrite, STR Stringers, 2% also as disseminated 119.33 - 119.83 : Cpy Chalcopyrite, STR Stringers, 1% also as disseminated 119.33 - 119.83 : Po Pyrrhotite, STR Stringers, 15% also as disseminated 118.55 - 118.80 : Cpy Chalcopyrite, STR Stringers, 1% also as disseminated 118.55 - 118.80 : Py Pyrite, STR Stringers, 2% also as disseminated 118.55 - 118.80 : Po Pyrrhotite, STR Stringers, 15% also as disseminated 117.70 - 118.44 : Cpy Chalcopyrite, STR Stringers, 1% 117.70 - 118.44 : Py Pyrite, STR Stringers, 2% 117.70 - 118.44 : Po Pyrrhotite, STR Stringers, 10% 115.14 - 115.79 : Cpy Chalcopyrite, STR Stringers, 1% 115.14 - 115.79 : Py Pyrite, STR Stringers, 2% 115.14 - 115.79 : Po Pyrrhotite, STR Stringers, 8%</p>	PG00354	95.34	95.84	0.50	0.1200	0.3800	0.0200
			PG00355	95.84	96.04	0.20	0.2800	0.0250	0.0400
			PG00356	96.04	96.34	0.30	0.1400	0.0900	0.0100
			PG00357	96.34	97.00	0.66	0.1600	0.0700	0.0200
			PG00358	97.00	97.20	0.20	0.4000	0.2100	0.0500
			PG00359	97.20	97.70	0.50	0.1500	0.0800	0.0200
			PG00360	97.70	98.70	1.00	0.0600	0.0600	0.0100
			PG00361	98.70	99.20	0.50	0.0600	0.0250	0.0100
			PG00362	99.20	99.70	0.50	0.1300	0.0250	0.0300
			PG00363	99.70	100.70	1.00	0.0700	0.0250	0.0200
			PG00364	100.70	101.70	1.00	0.1000	0.0600	0.0100
			PG00365	101.70	102.70	1.00	0.1300	0.0700	0.0300
			PG00366	102.70	103.70	1.00	0.1300	0.0250	0.0100
			PG00367	103.70	104.70	1.00	0.1100	0.0600	0.0100
			PG00368	104.70	105.70	1.00	0.1000	0.0600	0.0200
			PG00369	105.70	106.70	1.00	0.1500	0.0900	0.0100
			PG00370	106.70	107.70	1.00	0.1000	0.0600	0.0100
			PG00371	107.70	108.70	1.00	0.0700	0.0600	0.0100
			PG00372	108.70	109.70	1.00	0.0900	0.0800	0.0100
			PG00373	109.70	110.70	1.00	0.1300	0.1000	0.0200
			PG00374	110.70	111.00	0.30	0.0250	0.0250	0.0100
			PG00375	111.00	112.50	1.50	0.2900	0.1400	0.0400
			PG00376	112.50	114.00	1.50	0.0250	0.0250	0.0100
			PG00377	114.00	114.50	0.50	0.5200	0.0600	0.0600
			PG00378	114.50	114.90	0.40	0.3800	0.4200	0.0400
			PG00379	114.90	115.10	0.20	0.1100	0.0250	0.0100
			PG00380	115.10	115.40	0.30	0.6900	0.8700	0.0900
			PG00382	115.40	115.70	0.30	0.3000	0.0500	0.0400
			PG00383	115.70	116.70	1.00	0.0900	0.0250	0.0100
			PG00384	116.70	117.70	1.00	0.0600	0.0250	0.0200
			PG00385	117.70	118.20	0.50	0.2600	0.1700	0.0500
			PG00386	118.20	118.50	0.30	0.2700	0.2000	0.0400
			PG00387	118.50	118.80	0.30	0.3500	0.5600	0.0600
		PG00388	118.80	119.20	0.40	0.1200	0.0600	0.0100	
		PG00389	119.20	119.80	0.60	0.5700	0.1300	0.0700	
		PG00390	119.80	121.00	1.20	0.0250	0.0250	0.0100	
		PG00391	121.00	122.23	1.23	0.0250	0.0250	0.0100	
		PG00392	122.23	123.28	1.05	0.0250	0.0250	0.0100	

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		Mineralization 114.04 - 114.84 : Cpy Chalcopyrite, STR Stringers, 1% 114.04 - 114.84 : Py Pyrite, STR Stringers, 2% 114.04 - 114.84 : Po Pyrrhotite, STR Stringers, 13% also as disseminated 111.10 - 112.44 : Cpy Chalcopyrite, STR Stringers, 0.5% 111.10 - 112.44 : Po Pyrrhotite, STR Stringers, 10% tiny bright flecks--pentlandite exsolution? 94.34 - 118.20 : Cpy Chalcopyrite, BB Blebby, 1% overall mineralization; also in stringers 94.34 - 118.20 : Py Pyrite, D Disseminated, 1% overall mineralization; also blebby and stringer hosted 94.34 - 118.20 : Po Pyrrhotite, D Disseminated, 5% overall mineralization; aq Iso blebby and stringer hosted 96.85 - 97.50 : Po Pyrrhotite, STR Stringers, 5% 111.10 - 112.44 : Py Pyrite, STR Stringers, 2% 95.60 - 95.70 : Po Pyrrhotite, STR Stringers, 10% Alteration 94.34 - 118.20 :SERP Serpentine, V Vein, M Moderate not including unit 4 minor 95.90 - 118.20 :TL Talc, BN Banded, M Moderate not including unit 4 minor 94.34 - 94.40 :TL Talc, BN Banded, S Strong Structure 94.34 - 94.35 : UC Upper Contact, 83 Deg to CA sharp 120.55 - 120.56 : S1 First Foliation, 86 Deg to CA 122.23 - 122.24 : LC Lower Contact, 71 Deg to CA sharp; see comments for major unit RQD 97.00 - 100.00 : 60.00 % RQD 100.00 % Core 100.00 - 103.00 : 49.00 % RQD 100.00 % Core 103.00 - 106.00 : 46.00 % RQD 100.00 % Core 106.00 - 109.00 : 95.00 % RQD 100.00 % Core 109.00 - 112.00 : 69.00 % RQD 100.00 % Core 112.00 - 115.00 : 66.00 % RQD 100.00 % Core 115.00 - 118.00 : 68.00 % RQD 100.00 % Core 118.00 - 121.00 : 62.00 % RQD 100.00 % Core 121.00 - 124.00 : 64.00 % RQD 100.00 % Core							

DETAILED LOG

Hole Number: ES2005-45

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: 112.53 - 113.99 4, Anorthosite / Anorthosite Gabbro Structure 112.53 - 112.54 : UC Upper Contact, 32 Deg to CA partially diffuse 113.98 - 113.99 : LC Lower Contact, 68 Deg to CA sharp; jagged							

DETAILED LOG

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
122.24	157.67	4, Anorthosite / Anorthosite Gabbro	PG00393	123.28	124.31	1.03	0.1400	0.0250	0.0200
		Mineralization	PG00394	124.31	124.92	0.61	0.0250	0.0250	0.0100
		143.94 - 146.08 : Py Pyrite, STR Stringers, 2% in 6e stringer	PG00395	124.92	125.35	0.43	0.3800	0.5100	0.0500
		126.58 - 126.62 : Py Pyrite, D Disseminated, 1% in 6e stringer	PG00396	125.35	126.05	0.70	0.0250	0.0250	0.0100
		126.44 - 126.49 : Py Pyrite, STR Stringers, 1% in 6e stringer	PG00397	126.76	127.76	1.00	0.0250	0.0250	0.0100
		127.47 - 127.54 : Py Pyrite, STR Stringers, 5% in 6e stringer	PG00398	127.76	128.40	0.64	0.0600	0.0600	0.0200
		Structure	PG00399	128.40	129.12	0.72	0.0250	0.0250	0.0100
		122.24 - 122.25 : UC Upper Contact, 71 Deg to CA sharp							
		136.00 - 136.01 : S1 First Foliation, 76 Deg to CA							
		156.87 - 156.88 : S1 First Foliation, 76 Deg to CA							
		157.66 - 157.67 : LC Lower Contact, 71 Deg to CA sharp							
		RQD							
		124.00 - 127.00 : 37.00 % RQD 98.00 % Core							
		127.00 - 130.00 : 40.00 % RQD 100.00 % Core							
		130.00 - 133.00 : 71.00 % RQD 100.00 % Core							
		133.00 - 136.00 : 64.00 % RQD 100.00 % Core							
		136.00 - 139.00 : 70.00 % RQD 100.00 % Core							
		139.00 - 142.00 : 64.00 % RQD 100.00 % Core							
		142.00 - 145.00 : 54.00 % RQD 100.00 % Core							
		145.00 - 148.00 : 52.00 % RQD 100.00 % Core							
		148.00 - 151.00 : 49.00 % RQD 100.00 % Core							
		151.00 - 154.00 : 66.00 % RQD 100.00 % Core							
		154.00 - 157.00 : 72.00 % RQD 100.00 % Core							
		157.00 - 159.40 : 64.00 % RQD 100.00 % Core							

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>MINOR INTERVALS:</p> <p>Minor Interval: 127.76 - 128.4 6e, Ultramafic Schist Fine grained, strongly foliated, altered ultramafic schist. Alteration is mainly patchy talc/serpentine. Unit is weakly to moderately magnetic.</p> <p>Stringer hosted and disseminated 2% py, 1% po and minor cpy over interval.</p> <p>Upper and lower contacts are sharp at 81 and 89 degrees to ca, respectively.</p> <p>Mineralization 127.76 - 128.40 : Po Pyrrhotite, D Disseminated, 1% 127.76 - 128.40 : Py Pyrite, STR Stringers, 2%</p> <p>Structure 127.76 - 127.77 : UC Upper Contact, 81 Deg to CA sharp 127.76 - 128.40 : LC Lower Contact, 89 Deg to CA sharp 128.30 - 128.31 : S1 First Foliation, 85 Deg to CA</p> <p>Minor Interval: 154.38 - 154.75 6f, Norite Fine grained, moderately foliated, altered norite. Unit is non magnetic. Bronzy opx crystals are visible. Fragment of anorthosite (5cm length) is observed within the unit.</p> <p>Unit has trace pyrite.</p> <p>Upper and lower contacts are sharp at 81 and 90 degrees to ca, respectively.</p> <p>Structure 154.38 - 154.39 : UC Upper Contact, 81 Deg to CA sharp 154.74 - 154.75 : LC Lower Contact, 90 Deg to CA sharp</p>							

Hole Number: ES2005-45

Units: METRIC

Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
157.67	159.30	MD, Mafic Dike Fine to locally medium grained, non magnetic, moderately to strongly foliated mafic intrusive. Unit has trace pyrite mineralization. Upper and lower contacts are sharp at 71 and 79 degrees to ca, respectively. Structure 157.67 - 157.68 : UC Upper Contact, 71 Deg to CA sharp 158.97 - 158.97 : S1 First Foliation, 81 Deg to CA 159.29 - 159.30 : LC Lower Contact, 79 Deg to CA sharp							
159.30	159.40	4, Anorthosite / Anorthosite Gabbro							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG00311	38.59	39.59	0.0250	0.0250	0.0100
PG00312	39.59	39.79	0.0250	0.0250	0.0100
PG00313	39.79	39.99	0.0250	0.0250	0.0100
PG00314	39.99	40.19	0.0250	0.0250	0.0100
PG00315	40.19	41.14	0.0250	0.0250	0.0100
PG00316	41.14	41.44	0.0250	0.0250	0.0100
PG00317	41.44	41.94	0.0250	0.0250	0.0100
PG00318	41.94	42.60	0.0250	0.0250	0.0100
PG00319	42.60	43.04	0.0250	0.0250	0.0100
PG00320	43.04	43.94	0.0250	0.0250	0.0100
PG00321	43.94	44.44	0.0250	0.0250	0.0300
PG00322	44.44	44.94	0.1200	0.0900	0.0300
PG00323	44.94	45.94	0.0250	0.0250	0.0100
PG00324	45.94	46.44	0.0250	0.0250	0.0100
PG00326	46.44	46.94	0.0250	0.0250	0.0100
PG00327	46.94	47.94	0.0250	0.0250	0.0100
PG00328	47.94	48.44	0.0250	0.0250	0.0100
PG00329	48.44	49.44	0.0250	0.0250	0.0100
PG00330	49.44	50.44	0.0250	0.0250	0.0100
PG00331	50.44	50.84	0.0250	0.0250	0.0100
PG00332	50.84	51.84	0.0250	0.0250	0.0100
PG00333	71.50	72.75	0.0250	0.0250	0.0100

Hole Number: ES2005-45

Units: METRIC

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG00334	72.75	73.15	0.0250	0.0250	0.0100
PG00335	73.15	74.45	0.0250	0.0250	0.0100
PG00336	74.45	75.00	0.0250	0.0250	0.0100
PG00337	75.00	75.50	0.0250	0.0250	0.0100
PG00338	75.50	76.05	0.0250	0.0250	0.0100
PG00339	76.05	77.40	0.0250	0.0250	0.0100
PG00340	77.40	77.80	0.0250	0.0250	0.0100
PG00341	77.80	78.00	0.0250	0.0250	0.0100
PG00342	78.00	78.50	0.0250	0.0250	0.0100
PG00343	78.50	78.95	0.0250	0.0250	0.0100
PG00344	78.95	80.40	0.0250	0.0250	0.0100
PG00345	87.05	88.05	0.0250	0.0250	0.0100
PG00346	88.05	89.05	0.0250	0.0250	0.0100
PG00347	89.05	90.05	0.0250	0.0250	0.0100
PG00348	90.05	91.05	0.0250	0.0250	0.0100
PG00349	91.05	92.19	0.0250	0.0250	0.0100
PG00350	92.19	93.19	0.0250	0.0250	0.0100
PG00352	93.19	94.34	0.0250	0.0250	0.0100
PG00353	94.34	95.34	0.0900	0.1200	0.0100
PG00354	95.34	95.84	0.1200	0.3800	0.0200
PG00355	95.84	96.04	0.2800	0.0250	0.0400
PG00356	96.04	96.34	0.1400	0.0900	0.0100
PG00357	96.34	97.00	0.1600	0.0700	0.0200
PG00358	97.00	97.20	0.4000	0.2100	0.0500
PG00359	97.20	97.70	0.1500	0.0800	0.0200
PG00360	97.70	98.70	0.0600	0.0600	0.0100
PG00361	98.70	99.20	0.0600	0.0250	0.0100
PG00362	99.20	99.70	0.1300	0.0250	0.0300
PG00363	99.70	100.70	0.0700	0.0250	0.0200
PG00364	100.70	101.70	0.1000	0.0600	0.0100
PG00365	101.70	102.70	0.1300	0.0700	0.0300
PG00366	102.70	103.70	0.1300	0.0250	0.0100
PG00367	103.70	104.70	0.1100	0.0600	0.0100
PG00368	104.70	105.70	0.1000	0.0600	0.0200
PG00369	105.70	106.70	0.1500	0.0900	0.0100
PG00370	106.70	107.70	0.1000	0.0600	0.0100
PG00371	107.70	108.70	0.0700	0.0600	0.0100

Hole Number: ES2005-45

Units: METRIC

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG00372	108.70	109.70	0.0900	0.0800	0.0100
PG00373	109.70	110.70	0.1300	0.1000	0.0200
PG00374	110.70	111.00	0.0250	0.0250	0.0100
PG00375	111.00	112.50	0.2900	0.1400	0.0400
PG00376	112.50	114.00	0.0250	0.0250	0.0100
PG00377	114.00	114.50	0.5200	0.0600	0.0600
PG00378	114.50	114.90	0.3800	0.4200	0.0400
PG00379	114.90	115.10	0.1100	0.0250	0.0100
PG00380	115.10	115.40	0.6900	0.8700	0.0900
PG00382	115.40	115.70	0.3000	0.0500	0.0400
PG00383	115.70	116.70	0.0900	0.0250	0.0100
PG00384	116.70	117.70	0.0600	0.0250	0.0200
PG00385	117.70	118.20	0.2600	0.1700	0.0500
PG00386	118.20	118.50	0.2700	0.2000	0.0400
PG00387	118.50	118.80	0.3500	0.5600	0.0600
PG00388	118.80	119.20	0.1200	0.0600	0.0100
PG00389	119.20	119.80	0.5700	0.1300	0.0700
PG00390	119.80	121.00	0.0250	0.0250	0.0100
PG00391	121.00	122.23	0.0250	0.0250	0.0100
PG00392	122.23	123.28	0.0250	0.0250	0.0100
PG00393	123.28	124.31	0.1400	0.0250	0.0200
PG00394	124.31	124.92	0.0250	0.0250	0.0100
PG00395	124.92	125.35	0.3800	0.5100	0.0500
PG00396	125.35	126.05	0.0250	0.0250	0.0100
PG00397	126.76	127.76	0.0250	0.0250	0.0100
PG00398	127.76	128.40	0.0600	0.0600	0.0200
PG00399	128.40	129.12	0.0250	0.0250	0.0100