DETAILED LOG

Hole Number: ES2005-47 Units: METRIC

Project Name:	Norway - Espedalen	Primary Coordinates	Grid: UTM84-32N	Destination Coordinates	Grid: UTM:	Collar Dip:	-60.00
Project Number:	201	North:	6801685.83	North:	61.35	Collar Az:	230.00
Location:	Surface	East:	534666.17	East:	9.65	Length:	334.20 (m)
		Elev:	1001.70	Elev:	1001.70	Start Depth:	0.00 (m)
Date Started:	Sep 01, 2005	Collar Survey:	Y	Plugged:	N	Contractor:	Arctic Drilling A/S	Final Depth:	334.20 (m)
Date Completed:	Sep 10, 2005	Multishot Survey:	N	Hole Size:	TT46	Core Storage:	Strand Fjellstue		
Logged By:	blairt	Pulse EM Survey:	N	Casing:	Left in Hole, capped				

Comments: Purpose: Hole proposed to test the interpreted extension of the Stormyra zone, below a vertical depth of 230m (surface geophysical penetration depths). This hole will also be used as a geophysical platform (BHEM) to search for conductors at depth along the interpreted Stormyra trend.

Result: The hole intersected a thick anorthosite body which was locally crosscut by dolerite dykes from surface to a depth of 192m. An unmineralized peridotite was intersected from 252.20-267.13m (14.93m) within a thick package of volcaniclastic rocks. The latter is interpreted by M. Heim to lie outside of the Espedalen Complex but within the Jøtun Nappe.

Assays: No samples taken.

Borehole UTEM: Survey to be conducted in November 2005.

Lithological interpretation: Anorthositic terrain locally crosscut by dolerite dykes, which overly a thick package of volcaniclastic rocks (thought to lie outside of the Espedalen Complex but within the Jøtun Nappe).

Sample Averages

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	3.20	C, Casing							

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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%
3.20	39.50	4s, Sausseritized/Tectonized Anorthosite Fine grained, white-grey-green, homogenous, non-magnetic, well foliated (60-70 degrees to the ca), unmineralized sausseritized anorthosite composed of 60-75% plagioclase and 25-40% variably altered (sausserite, fuchsite, epidote) mafics. This unit contains several dm to m scale, concordant mafic sills/dykes. These units appear as fine grained, green, homogenous, well foliated, weakly magnetic dykes/sills composed of 75% mafic minerals (chlorite, pyroxenes) and 25% plagioclase. See minor intervals for actual lengths and contact relationships. The lower contact of this unit is sharp at 55 degrees to the ca. Structure 8.75 - 8.76 : S1 First Foliation, 70 Deg to CA 17.80 - 17.81 : S1 First Foliation, 70 Deg to CA 25.90 - 25.91 : S1 First Foliation, 60 Deg to CA 30.00 - 30.01 : S1 First Foliation, 60 Deg to CA RQD 3.20 - 6.00 : 12.00 % RQD 100.00 % Core 6.00 - 9.00 : 26.00 % RQD 100.00 % Core 9.00 - 12.00 : 63.00 % RQD 100.00 % Core 12.00 - 15.00 : 27.00 % RQD 100.00 % Core 15.00 - 18.00 : 41.00 % RQD 100.00 % Core 18.00 - 21.00 : 63.00 % RQD 100.00 % Core 21.00 - 24.00 : 67.00 % RQD 100.00 % Core 24.00 - 27.00 : 33.00 % RQD 100.00 % Core 27.00 - 30.00 : 20.00 % RQD 100.00 % Core 30.00 - 33.00 : 45.00 % RQD 100.00 % Core 33.00 - 36.00 : 88.00 % RQD 100.00 % Core 36.00 - 39.00 : 65.00 % RQD 100.00 % Core 39.00 - 42.00 : 67.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 22.13 - 22.38 MD, Mafic Dike See major unit for description. The upper and lower contacts of this unit are sharp at 75 and 40 degrees to the ca, respectively. Minor Interval: 32.2 - 32.6 MD, Mafic Dike See major unit for description. The upper and lower contacts of this unit are sharp at 70 and 70 degrees to the ca, respectively.								

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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: 33.08 - 33.22 MD, Mafic Dike See major unit for description. The upper and lower contacts of this unit are sharp at 60 and 80 degrees to the ca, respectively. Minor Interval: 34.06 - 36.5 MD, Mafic Dike See major unit for description. This unit contains cm scale, concordant anorthositic units intermixed with mafic sills/dykes. The upper and lower contacts of this unit are sharp at 60 and 45 degrees to the ca, respectively. Structure 35.05 - 35.06 : S1 First Foliation, 60 Deg to CA							

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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%
39.50	51.30	MD, Mafic Dike This unit is fine grained, green, homogenous, well foliated, weakly magnetic dykes/sills composed of 75% mafic minerals (chlorite, pyroxenes) and 25% plagioclase. Rare cubic pyrite occurs, parallel to foliation planes. The lower contact of this unit is sharp at 60 degrees to the ca, along a sheared, undulating anorthosite. Structure 40.25 - 40.26 : S1 First Foliation, 70 Deg to CA 46.25 - 46.26 : S1 First Foliation, 60 Deg to CA 50.50 - 50.51 : S1 First Foliation, 60 Deg to CA RQD 42.00 - 45.00 : 81.00 % RQD 100.00 % Core 45.00 - 48.00 : 81.00 % RQD 100.00 % Core 48.00 - 51.00 : 24.00 % RQD 100.00 % Core 51.00 - 54.00 : 38.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 47.01 - 48.11 4s, Sausseritized/Tectonized Anorthosite Anorthositic raft? or finger within mafic dyke/sill. This anorthosite appears as a well foliated, grey-green-white, homogenous, non-magnetic, unmineralized unit composed of 50% mafic minerals (chlorite, pyroxenes; variably altered) and 50% plagioclase. 47.58-47.70m: Mafic dyklet. The upper and lower contacts of this unit are both sharp at 60 degrees to the ca.								

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Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
51.30	77.67	4s, Sausseritized/Tectonized Anorthosite Fine grained, white-grey-green, homogenous, non-magnetic, well foliated (50-75 degrees to the ca), unmineralized sausseritized anorthosite composed of 60-75% plagioclase and 25-40% variably altered (sausserite, fuchsite, epidote) mafics. This unit contains several dm to m scale, concordant mafic sills/dykes. These units appear as fine grained, green, homogenous, well foliated, weakly magnetic dykes/sills composed of 75% mafic minerals (chlorite, pyroxenes) and 25% plagioclase. See minor intervals for actual lengths and contact relationships. The lower contact of this unit is sharp at 80 degrees to the ca. Alteration 51.30 - 59.14 :HM Hematite, F Fracture Controlled, M Moderate Parallel to foliation planes, mafics preferentially hematite altered Structure 52.00 - 52.01 : F Fractured, 70 Deg to CA Poorly consolidated core, rocks sheared downhole with undulating foliations 53.25 - 53.26 : S1 First Foliation, 65 Deg to CA 58.60 - 58.61 : S1 First Foliation, 75 Deg to CA 65.30 - 65.31 : S1 First Foliation, 50 Deg to CA 75.22 - 75.23 : S1 First Foliation, 75 Deg to CA RQD 54.00 - 57.00 : 58.00 % RQD 100.00 % Core 57.00 - 60.00 : 78.00 % RQD 100.00 % Core 60.00 - 63.00 : 72.00 % RQD 100.00 % Core 63.00 - 66.00 : 62.00 % RQD 100.00 % Core 66.00 - 69.00 : 85.00 % RQD 100.00 % Core 69.00 - 72.00 : 94.00 % RQD 100.00 % Core 72.00 - 75.00 : 75.00 % RQD 100.00 % Core 75.00 - 78.00 : 81.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 67.07 - 70.05 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are both sharp at 80 degrees to the ca. Minor Interval: 72.3 - 72.83 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are sharp at 50 and 75 degrees to the ca, respectively.								

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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%
77.67	82.50	DIA, Diabase Fine to medium grained, grey-green, well foliated (approximately 75 degrees to the ca), lineated, weakly magnetic, homogenous diorite composed of 50% plagioclase and 50% mafic minerals (pyroxenes, chlorite, biotite?). This unit appears finer grained and more mafic proximal to contacts but more felsic within the central portions of this finger. This unit contains trace pyrite. The upper and lower contacts of this unit are both sharp at 80 degrees to the ca. Structure 78.50 - 78.51 : S1 First Foliation, 75 Deg to CA RQD 78.00 - 81.00 : 100.00 % RQD 100.00 % Core 81.00 - 84.00 : 86.00 % 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%
82.50	134.11	4s, Sausseritized/Tectonized Anorthosite Fine grained, white-grey-green, homogenous, non-magnetic, well foliated (65-75 degrees to the ca), unmineralized sausseritized anorthosite composed of 60-75% plagioclase and 25-40% variably altered (sausserite, fuchsite, epidote) mafics. This unit contains several dm to m scale, concordant mafic sills/dykes. These units appear as fine grained, green, homogenous, well foliated, weakly magnetic dykes/sills composed of 75% mafic minerals (chlorite, pyroxenes) and 25% plagioclase. See minor intervals for actual lengths and contact relationships. The lower contact of this unit is sharp at 70 degrees to the ca. Alteration 92.45 - 95.93 :HM Hematite, ST Staining, M Moderate 108.45 - 111.05 :HM Hematite, F Fracture Controlled, M Moderate Hematite alteration parallel to foliation planes, mafic minerals altered. Structure 85.90 - 85.91 : S1 First Foliation, 75 Deg to CA 110.25 - 110.26 : S1 First Foliation, 65 Deg to CA 115.40 - 115.41 : S1 First Foliation, 70 Deg to CA 125.85 - 125.86 : S1 First Foliation, 70 Deg to CA 132.10 - 132.11 : S1 First Foliation, 70 Deg to CA RQD 84.00 - 87.00 : 82.00 % RQD 100.00 % Core 87.00 - 90.00 : 87.00 % RQD 100.00 % Core 90.00 - 93.00 : 76.00 % RQD 100.00 % Core 93.00 - 96.00 : 70.00 % RQD 100.00 % Core 96.00 - 99.00 : 83.00 % RQD 100.00 % Core 99.00 - 102.00 : 81.00 % RQD 100.00 % Core 102.00 - 105.00 : 85.00 % RQD 100.00 % Core 105.00 - 108.00 : 83.00 % RQD 100.00 % Core 108.00 - 111.00 : 40.00 % RQD 100.00 % Core 111.00 - 114.00 : 90.00 % RQD 100.00 % Core 114.00 - 117.00 : 75.00 % RQD 100.00 % Core 117.00 - 120.00 : 77.00 % RQD 100.00 % Core 120.00 - 123.00 : 96.00 % RQD 100.00 % Core 123.00 - 126.00 : 84.00 % RQD 100.00 % Core 126.00 - 129.00 : 94.00 % RQD 100.00 % Core 129.00 - 132.00 : 77.00 % RQD 100.00 % Core 132.00 - 135.00 : 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%
		MINOR INTERVALS: Minor Interval: 88.1 - 89.95 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are sharp at 55 and 65 degrees to the ca, respectively. Structure 89.25 - 89.26 : S1 First Foliation, 70 Deg to CA Minor Interval: 91.88 - 92 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are sharp at 70 and 60 degrees to the ca, respectively. Minor Interval: 96.03 - 96.55 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are both sharp at 70 degrees to the ca. Minor Interval: 100.82 - 103.85 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are both sharp at 70 degrees to the ca. Structure 102.35 - 102.36 : S1 First Foliation, 70 Deg to CA Minor Interval: 111.17 - 111.9 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are sharp at 65 and 70 degrees to the ca, respectively. Minor Interval: 112.06 - 112.32 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are sharp at 75 and 65 degrees to the ca, respectively.							

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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: 113.47 - 115.15 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are sharp at 75 and 80 degrees to the ca, respectively. Minor Interval: 126.52 - 127.03 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are sharp at 75 and 70 degrees to the ca, respectively. Minor Interval: 128.96 - 129.31 MD, Mafic Dike As described in the major interval. The upper and lower contacts of this unit are sharp at 70 and 80 degrees to the ca, respectively. Minor Interval: 129.6 - 131.06 MD, Mafic Dike As described in the major interval. This unit contains 20% cm scale intermixed anorthositic horizons. The upper and lower contacts of this unit are sharp at 80 and 90 degrees to the ca, respectively.							

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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%
134.11	144.10	DIA, Diabase Fine to medium grained, grey-green, well foliated (approximately 70 degrees to the ca), lineated, weakly magnetic, homogenous diorite composed of 40-60% plagioclase and 40-60% mafic minerals (pyroxenes, chlorite, biotite?). This unit appears finer grained and more mafic proximal to contacts but more felsic within the central portions of this finger. This unit contains rare trace pyrite. The upper and lower contacts of this unit are both sharp at 65 degrees to the ca. Structure 134.40 - 134.41 : S1 First Foliation, 70 Deg to CA 143.50 - 143.51 : S1 First Foliation, 70 Deg to CA RQD 135.00 - 138.00 : 95.00 % RQD 100.00 % Core 138.00 - 141.00 : 84.00 % RQD 100.00 % Core 141.00 - 144.00 : 100.00 % RQD 100.00 % Core 144.00 - 147.00 : 95.00 % 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%
144.10	165.37	4s, Sausseritized/Tectonized Anorthosite Fine grained, white-grey-green (locally hematite stained), homogenous, non-magnetic, well foliated (70-85 degrees to the ca), unmineralized sausseritized anorthosite composed of 60-75% plagioclase and 25-40% variably altered (sausserite, fuchsite, epidote) mafics minerals. This unit contains several dm to m scale, concordant mafic sills/dykes. These units appear as fine grained, green, homogenous, well foliated, weakly magnetic dykes/sills composed of 75% mafic minerals (chlorite, pyroxenes) and 25% plagioclase. See minor intervals for actual lengths and contact relationships. The lower contact of this unit is sharp at 70 degrees to the ca, although highly contorted (over 8cm) with downhole diorite. Structure 148.40 - 148.41 : S1 First Foliation, 70 Deg to CA 152.10 - 152.11 : S1 First Foliation, 85 Deg to CA 159.80 - 159.81 : S1 First Foliation, 80 Deg to CA RQD 147.00 - 150.00 : 85.00 % RQD 100.00 % Core 150.00 - 153.00 : 81.00 % RQD 100.00 % Core 153.00 - 156.00 : 76.00 % RQD 100.00 % Core 156.00 - 159.00 : 82.00 % RQD 100.00 % Core 159.00 - 162.00 : 87.00 % RQD 100.00 % Core 162.00 - 165.00 : 83.00 % RQD 100.00 % Core 165.00 - 168.00 : 96.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 150 - 150.6 MD, Mafic Dike As described within the major unit. The upper and lower contacts of this unit are both sharp at 55 degrees to the ca. Minor Interval: 154.7 - 154.98 MD, Mafic Dike As described within the major unit. 1% pyrite is present. The upper and lower contacts of this unit are sharp at 80 and 75 degrees to the ca, respectively. Minor Interval: 159.05 - 159.45 MD, Mafic Dike As described within the major unit. 2% pyrite is present. The upper and lower contacts of this unit are sharp at 80 and 75 degrees to the ca, respectively.								

Hole Number: ES2005-47 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: 160.42 - 161.9 MD, Mafic Dike As described within the major unit. The upper and lower contacts of this unit are both sharp at 80 degrees to the ca.							
165.37	174.10	DIA, Diabase Fine to medium grained, grey-green, foliated, lineated, weakly magnetic, homogenous diorite composed of 40-60% plagioclase and 40-60% mafic minerals (pyroxenes, chlorite, biotite?). The upper contact of this unit is convoluted as foliation angles are irregular within the uphole anorthosite is folded ptygmatically over 8cm, and a 1cm wide dioritic finger is located within this zone. The downhole contact is sharp at 80 degrees to the ca, along a finer grained horizon. This unit contains rare trace pyrite. RQD 168.00 - 171.00 : 80.00 % RQD 100.00 % Core 171.00 - 174.00 : 90.00 % RQD 100.00 % Core 174.00 - 177.00 : 63.00 % 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%
174.10	192.00	4s, Sausseritized/Tectonized Anorthosite Fine grained, white-grey-green, homogenous, non-magnetic, well foliated (~80 degrees to the ca), unmineralized sausseritized anorthosite composed of 60-75% plagioclase and 25-40% variably altered (sausserite, fuchsite, epidote) mafics. This unit contains several dm to m scale, concordant mafic sills/dykes. These units appear as fine grained, green, homogenous, well foliated, weakly magnetic dykes/sills composed of 75% mafic minerals (chlorite, pyroxenes) and 25% plagioclase. See minor intervals for actual lengths and contact relationships. The lower contact of this unit is sharp at 80 degrees to the ca. Structure 176.50 - 176.51 Difficult to determine angle, 1cm wide fault gouge. Competent core up- and downhole. 177.85 - 177.86 : S1 First Foliation, 80 Deg to CA 186.70 - 186.71 : S1 First Foliation, 80 Deg to CA RQD 177.00 - 180.00 : 85.00 % RQD 100.00 % Core 180.00 - 183.00 : 87.00 % RQD 100.00 % Core 183.00 - 186.00 : 89.00 % RQD 100.00 % Core 186.00 - 189.00 : 75.00 % RQD 100.00 % Core 189.00 - 192.00 : 93.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 174.3 - 174.4 MD, Mafic Dike As described within the major unit; may also be a dolerite (proximity to uphole unit). The upper and lower contacts of this unit are sharp at 80 and 90 degrees to the ca, respectively. Minor Interval: 174.83 - 175.05 MD, Mafic Dike As described within the major unit; may also be a dolerite (proximity to uphole unit). The upper and lower contacts of this unit are both sharp at 80 degrees to the ca. Minor Interval: 181.59 - 181.84 MD, Mafic Dike As described within the major unit. The upper and lower contacts of this unit are sharp at 80 and 90 degrees to the ca, respectively.								

Hole Number: ES2005-47

Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
192.00	252.20	10d, Volcaniclastics Fine grained (locally very fine grained), well foliated, lineated, green to grey, weakly magnetic mafic metavolcanic composed of 15-20% white plagioclase within a mafic groundmass (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). This unit contains trace cubic pyrite, locally trace pyrrhotite, generally concentrated along mm to cm scale horizons, parallel to foliation. Interpretation: Mafic metavolcanics, tuffs?; Late Proterozoic metavolcanics outside of anorthositic complex "Espedalen Complex". Mineralization 232.79 - 232.90 : Po Pyrrhotite, FG Fine Grained, 1% 232.79 - 232.90 : Py Pyrite, FG Fine Grained, 5% Structure 199.00 - 199.01 : S1 First Foliation, 75 Deg to CA 210.50 - 210.51 : S1 First Foliation, 70 Deg to CA 218.65 - 218.66 : S1 First Foliation, 65 Deg to CA 227.00 - 227.01 : S1 First Foliation, 70 Deg to CA 236.50 - 236.51 : S1 First Foliation, 80 Deg to CA 242.30 - 242.31 : S1 First Foliation, 70 Deg to CA 250.05 - 250.06 : S1 First Foliation, 70 Deg to CA RQD 192.00 - 195.00 : 95.00 % RQD 100.00 % Core 195.00 - 198.00 : 69.00 % RQD 100.00 % Core 198.00 - 201.00 : 96.00 % RQD 100.00 % Core 201.00 - 204.00 : 76.00 % RQD 100.00 % Core 204.00 - 207.00 : 94.00 % RQD 100.00 % Core 207.00 - 210.00 : 100.00 % RQD 100.00 % Core 210.00 - 213.00 : 74.00 % RQD 100.00 % Core 213.00 - 216.00 : 95.00 % RQD 100.00 % Core 216.00 - 219.00 : 100.00 % RQD 100.00 % Core 219.00 - 222.00 : 100.00 % RQD 100.00 % Core 222.00 - 225.00 : 96.00 % RQD 100.00 % Core 225.00 - 228.00 : 97.00 % RQD 100.00 % Core 228.00 - 231.00 : 83.00 % RQD 100.00 % Core 231.00 - 234.00 : 76.00 % RQD 100.00 % Core 234.00 - 237.00 : 100.00 % RQD 100.00 % Core 237.00 - 240.00 : 74.00 % 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%
		RQD 240.00 - 243.00 : 100.00 % RQD 100.00 % Core 243.00 - 246.00 : 96.00 % RQD 100.00 % Core 246.00 - 249.00 : 94.00 % RQD 100.00 % Core 249.00 - 252.00 : 100.00 % RQD 100.00 % Core 252.00 - 255.00 : 42.00 % RQD 100.00 % Core							
252.20	267.13	PRDT, Peridotite Fine grained, strongly magnetic, homogenous, highly broken, black peridotite composed of ~15-20% (locally up to 40% dark grey pyroxenes in a strongly serpentinized olivine groundmass. This unit contain 5-10% finely disseminated magnetite. This unit is composed of extremely broken core, at low angles (15-25 degrees) to the ca, along black serpentine veinlets (feels like glass to touch). This unit is unmineralized. The upper contact of this unit (252.20-253.15m) is coarser grained, light to medium green in colour, weakly magnetic unit composed primarily of tremolite-actinolite, chlorite, serpentine and/or pyroxenes. Possible pyroxenitic phase of ultramafic body. RQD 255.00 - 258.00 : 31.00 % RQD 100.00 % Core 258.00 - 261.00 : 63.00 % RQD 100.00 % Core 261.00 - 264.00 : 14.00 % RQD 100.00 % Core 264.00 - 267.00 : 20.00 % RQD 100.00 % Core 267.00 - 270.00 : 100.00 % 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%
267.13	334.20	10d, Volcaniclastics Fine grained, homogenous, well foliated (~70-80 degrees to the ca), green, weakly magnetic package of mafic metavolcaniclastics composed of ~15% plagiolcase and 85% mafic minerals (chlorite, pyroxenes, biotite). As described from 192.00-253.15m. This unit contains 35% ultramafic (pyroxenite, peridotite) intrusives throughout the unit, as m scale concordant bodies. See minor units for intervals. Contacts between all of the units are generally sheared and infilled with serpentine +- talc. Peridotites: Fine grained, dark green to black, strongly magnetic, massive to locally moderately foliated, homogenous units composed of light to dark grey pyroxenes within a black serpentinized groundmass (with ~5-10% magnetite). These peridotites contain 5-15% mm scale white serpentine +- talc veinlets at various angles to the ca. Trace pyrrhotite occurs within these units, proximal to serpentine veinlets. Pyroxenites: Medium grained, green-grey, weakly to moderately magnetic, massive to locally weakly foliated units composed primarily of tremolite-actinolite and ~5% mm scale brown pyroxenes (bronzite?). Interpretation: Corresponds to Heim's Metavolcanic cover rocks (Late Proterozoic) with laccolithic bodies (locally differentiated to ultramafic - quartz-dioritic affinity?). Structure 271.70 - 271.71 : S1 First Foliation, 65 Deg to CA 283.50 - 283.51 : S1 First Foliation, 80 Deg to CA 299.05 - 299.06 : S1 First Foliation, 80 Deg to CA 315.10 - 315.11 : S1 First Foliation, 70 Deg to CA 322.10 - 322.11 : S1 First Foliation, 80 Deg to CA 330.75 - 330.76 : S1 First Foliation, 80 Deg to CA RQD 270.00 - 273.00 : 92.00 % RQD 100.00 % Core 273.00 - 276.00 : 96.00 % RQD 100.00 % Core 276.00 - 279.00 : 97.00 % RQD 100.00 % Core 279.00 - 282.00 : 96.00 % RQD 100.00 % Core 282.00 - 285.00 : 100.00 % RQD 100.00 % Core 285.00 - 288.00 : 100.00 % RQD 100.00 % Core 288.00 - 291.00 : 90.00 % RQD 100.00 % Core 291.00 - 294.00 : 86.00 % RQD 100.00 % Core 294.00 - 297.00 : 88.00 % RQD 100.00 % Core 297.00 - 300.00 : 69.00 % RQD 100.00 % Core 300.00 - 303.00 : 96.00 % RQD 100.00 % Core 303.00 - 306.00 : 74.00 % RQD 100.00 % Core								

Hole Number: ES2005-47

Units: METRIC

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD 306.00 - 309.00 : 98.00 % RQD 100.00 % Core 309.00 - 312.00 : 84.00 % RQD 100.00 % Core 312.00 - 315.00 : 98.00 % RQD 100.00 % Core 315.00 - 318.00 : 79.00 % RQD 100.00 % Core 318.00 - 321.00 : 88.00 % RQD 100.00 % Core 321.00 - 324.00 : 89.00 % RQD 100.00 % Core 324.00 - 327.00 : 99.00 % RQD 100.00 % Core 327.00 - 330.00 : 90.00 % RQD 100.00 % Core 330.00 - 334.20 : 100.00 % RQD 100.00 % Core MINOR INTERVALS: Minor Interval: 287.1 - 290.14 PYXT, Pyroxenite Minor Interval: 290.14 - 291.27 PRDT, Peridotite Minor Interval: 291.27 - 298.08 PYXT, Pyroxenite Minor Interval: 298.08 - 302.08 10d, Volcaniclastics Minor Interval: 302.08 - 304.18 PRDT, Peridotite Minor Interval: 304.18 - 308.84 10d, Volcaniclastics Minor Interval: 308.84 - 310.52 PRDT, Peridotite Minor Interval: 310.52 - 312.48 PYXT, Pyroxenite						