

DETAILED LOG

Hole Number: ES08-153

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -60.00
Project Number: 201	North: 6803915.00	North: 61.37	Collar Az: 50.00
Location: Surface	East: 534760.00	East: 9.65	Length: 146.31 (m)
	Elev: 756.00	Elev: 756.00	Start Depth: 0.00 (m)
Date Started: May 10, 2008	Collar Survey: N	Plugged: N	Contractor: Arctic Drilling A/S
Date Completed: May 14, 2008	Multishot Survey: N	Hole Size: BQ	Core Storage: tyristrand
Logged By: pmnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 146.31 (m)

Comments: To intercept moderate AEM ground conductor and coincidental mag high.

Results:
up to 1% fg Po mineralization within Pyroxenite 34.00-50.00m.

I doubt this explains the conductor.

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	8.50	O/B, Overburden							
8.50	73.16	PYXT, Pyroxenite Black, mg vcg. Massive, strongly magnetic. Textures are locally massive with 90% vcg px. Numerous talcose fractures. ~15-20%, 2-3 cm relict/oikocryst Opx grains? Locally mineralized with no more than 1% fg Po. Mineralization 34.00 - 50.00 : PO Pyrrhotite, DIS Disseminated, 1% less than 1%, mainly trace. 71.90 - 73.16 : PO Pyrrhotite, VN Veins, 1% up to 1% fg PO and trace Cpy in thing remobilized veinlets at base of unit MINOR INTERVALS: Minor Interval: 29.07 - 31.42 unknown, unknown or not described rock type Lamprophyre??? Brown-Black, fg, massive, very strongly broken core throughout unit. 20-25% fg masses of biotite/phlogopite. Not mineralized.	BL00425	32.00	33.00	1.00	0.1070	0.0240	0.0090
			BL00426	33.00	34.00	1.00	0.1130	0.0170	0.0100
			BL00427	34.00	35.00	1.00	0.1210	0.0240	0.0100
			BL00428	35.00	36.00	1.00	0.1060	0.0190	0.0090
			BL00429	36.00	37.00	1.00	0.1410	0.0350	0.0110
			BL00430	37.00	38.00	1.00	0.1870	0.0740	0.0120
			BL00431	38.00	39.00	1.00	0.1400	0.0440	0.0100
			BL00432	39.00	40.00	1.00	0.1260	0.0340	0.0100
			BL00433	40.00	41.00	1.00	0.1240	0.0180	0.0110
			BL00434	41.00	42.00	1.00	0.1080	0.0150	0.0090
			BL00435	42.00	43.00	1.00	0.1340	0.0280	0.0110
			BL00436	43.00	44.00	1.00	0.1560	0.0430	0.0120
			BL00437	44.00	45.00	1.00	0.1200	0.0160	0.0110
			BL00438	45.00	46.00	1.00	0.1230	0.0200	0.0100
			BL00439	46.00	47.00	1.00	0.1170	0.0180	0.0090
			BL00441	47.00	48.00	1.00	0.1370	0.0270	0.0080
			BL00442	48.00	49.00	1.00	0.1760	0.0380	0.0100
			BL00444	49.00	50.00	1.00	0.1560	0.0400	0.0080
			BL00445	50.00	51.00	1.00	0.1260	0.0170	0.0100
			BL00446	51.00	52.00	1.00	0.1390	0.0210	0.0090
			BL00447	70.90	71.90	1.00	0.1370	0.0300	0.0110
			BL00448	71.90	72.60	0.70	0.1500	0.0480	0.0100
			BL00449	72.60	73.16	0.56	0.1500	0.0480	0.0110

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
73.16	77.10	MD, Mafic Dike Green, fg, massive. Not magnetic. Sharp upper contact with white veining. Lower contact over 0.75m is strongly sheared with fabric @80 dtca. Unit contains v.thin veinlets with trace Po and Cpy.	BL00450	73.16	74.40	1.24	0.0490	0.0220	0.0040
			BL00451	74.40	75.40	1.00	0.0240	0.0180	0.0020
			BL00452	75.40	76.30	0.90	0.0040	0.0025	0.0005
			BL00453	76.30	77.10	0.80	0.0170	0.0100	0.0040
77.10	146.30	ANOR, Anorthosite White/grey. Fg to mg. Massive and predominantly homogenous with local, m wide sections of 95% oligoclase feldspar (very white). Not mineralized or magnetic. Crosscut by mafic dykes. Also contains 5-7 5-7%. sub-mm scale boxwork veinlets. Structure 91.30 - 94.00 Strongly broken core. MINOR INTERVALS: Minor Interval: 83.3 - 84.44 MD, Mafic Dike Green/grey. Mg. Massive. Homogenous. Sharp upper and lower contact. @60 dtca. Mineralized locally with ,1.0% fg Po and trac Cpy Minor Interval: 96.44 - 97.7 MD, Mafic Dike Same as above. Stongly broken core. Minor Interval: 100.03 - 100.65 MD, Mafic Dike Same as above. Without mineralization. Sharp, low upper and lower contacts ~30-35 dtca. Minor Interval: 106.9 - 108 MD, Mafic Dike Same as above. Not mineralized. Sharp and v.low upper and lower contacts @10-20 dtca.	BL00454	77.10	78.10	1.00	0.0060	0.0025	0.0005
			BL00455	78.10	79.10	1.00	0.0060	0.0025	0.0005
			BL00456	82.30	83.30	1.00	0.0080	0.0025	0.0010
			BL00457	83.30	84.44	1.14	0.0330	0.0070	0.0050
			BL00458	84.44	85.44	1.00	0.0020	0.0025	0.0005
146.30	146.31	EOH, End of Hole							

Samples

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Sample Type	ASSAY				
BL00425	32.00	33.00	0.1070	0.0240	0.0090
BL00426	33.00	34.00	0.1130	0.0170	0.0100
BL00427	34.00	35.00	0.1210	0.0240	0.0100
BL00428	35.00	36.00	0.1060	0.0190	0.0090
BL00429	36.00	37.00	0.1410	0.0350	0.0110
BL00430	37.00	38.00	0.1870	0.0740	0.0120
BL00431	38.00	39.00	0.1400	0.0440	0.0100
BL00432	39.00	40.00	0.1260	0.0340	0.0100
BL00433	40.00	41.00	0.1240	0.0180	0.0110

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Sample Type	ASSAY				
BL00434	41.00	42.00	0.1080	0.0150	0.0090
BL00435	42.00	43.00	0.1340	0.0280	0.0110
BL00436	43.00	44.00	0.1560	0.0430	0.0120
BL00437	44.00	45.00	0.1200	0.0160	0.0110
BL00438	45.00	46.00	0.1230	0.0200	0.0100
BL00439	46.00	47.00	0.1170	0.0180	0.0090
BL00441	47.00	48.00	0.1370	0.0270	0.0080
BL00442	48.00	49.00	0.1760	0.0380	0.0100
BL00444	49.00	50.00	0.1560	0.0400	0.0080
BL00445	50.00	51.00	0.1260	0.0170	0.0100
BL00446	51.00	52.00	0.1390	0.0210	0.0090
BL00447	70.90	71.90	0.1370	0.0300	0.0110
BL00448	71.90	72.60	0.1500	0.0480	0.0100
BL00449	72.60	73.16	0.1500	0.0480	0.0110
BL00450	73.16	74.40	0.0490	0.0220	0.0040
BL00451	74.40	75.40	0.0240	0.0180	0.0020
BL00452	75.40	76.30	0.0040	0.0025	0.0005
BL00453	76.30	77.10	0.0170	0.0100	0.0040
BL00454	77.10	78.10	0.0060	0.0025	0.0005
BL00455	78.10	79.10	0.0060	0.0025	0.0005
BL00456	82.30	83.30	0.0080	0.0025	0.0010
BL00457	83.30	84.44	0.0330	0.0070	0.0050
BL00458	84.44	85.44	0.0020	0.0025	0.0005