

Hole Number: ES07-118

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -65.00
Project Number: 201	North: 6801272.00	North: 61.34	Collar Az: 230.00
Location: Stormyra	East: 535254.00	East: 9.66	Length: 148.01 (m)
	Elev: 961.00	Elev: 961.00	Start Depth: 0.00 (m)
Date Started: Oct 23, 2007	Collar Survey: N	Plugged: N	Contractor: Arctic Drilling A/S
Date Completed: Oct 23, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: rdnor	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 148.01 (m)

Comments: Target: Drilled to test the better define the lowest level of the grade-thickness contour.

100.97-101.27
5% Sulphs 50% Po 30% Pn 20% Cpy

102.24-102.54
5% Sulphs 50% Po 50% Cpy

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	3.30	O/B, Overburden							
3.30	7.42	ANOR, Anorthosite Anorthosite White to green, moderately banded impure anorthosite. Plag. varies from grey/white.							
7.42	15.72	MD, Mafic Dyke Mafic Dyke Green to Green/Black fine-grained moderately foliated gabbroic dyke. Rusty patches from 11.04-11.40 m. Homogenous, competent with <1% diss. sulphs 12.75-13. Sharp contacts. MINOR INTERVALS: Minor Interval: 12.75 - 13.75 SULF, Sulfide Mineralization 12.75 - 13.75 : PO Pyrrhotite, DIS Disseminated, 1%	PG05599	12.75	13.75	1.00	0.0005	0.0090	0.0030
			PG05601	13.75	14.75	1.00	0.0080	0.0120	0.0030
			PG05602	14.75	15.72	0.97	0.0010	0.0090	0.0030
15.72	45.12	ANOR, Anorthosite Anorthosite White to pale grey impure anorthosite. Banded, brecciated and mottled surface. Alterations range from pale grey to green(chlorite). Brecciated areas are silicified. Partially intruded by mafic/ultramafic dykes. Heterogenous.							
45.12	49.86	MD, Mafic Dyke Mafic Dyke Green to grey/green fine grained gabbroic dyke. Gradational upper and sharp lower contact. Foliated and folded texture. Elongate felsic (plag) grains.							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
49.86	148.00	ANOR, Anorthosite White/grey anorthosite w/ mafic/ultramafic bands. Green/brown alterations w/ some silicification. Mafic/ultramafic dykes intruding on small scale(10-30cm). Mafic dykes consistantly show sharp contacts. Starting @ -131.50 quartz has a reddish hue and a red alteration product is present as fracture controlled. Overall textures are banded to massive. 141.34-148 lensoid banded to brecciated Anorthosite with moderate Chlorite alteration and a 1m mafic dyke at 141.5. MINOR INTERVALS: Minor Interval: 92.57 - 92.87 SULF, Sulfide 3% Disseminated Sulphides. Po Mineralization 92.57 - 92.87 : PO Pyrrhotite, DIS Disseminated, 3% Minor Interval: 100.97 - 101.27 SULF, Sulfide 5% Stringy Sulphides 50% Po 30% Pn 20% Cpy. Mineralization 100.97 - 101.27 : PN Pentlandite, STR Stringers, 30% 100.97 - 101.27 : Cpy Chalcopyrite, STR Stringers, 20% 100.97 - 101.27 : PO Pyrrhotite, STR Stringers, 50% Minor Interval: 102.24 - 102.54 SULF, Sulfide 5% Stringy Sulphides 50% Po 50% Cpy Mineralization 102.24 - 102.54 : Cpy Chalcopyrite, STR Stringers, 50% 50% of 5% 102.24 - 102.54 : PO Pyrrhotite, STR Stringers, 50% 50% of 5%	PG05603	92.07	92.57	0.50	0.0060	0.0025	0.0020
			PG05604	92.57	92.87	0.30	0.0120	0.0025	0.0040
			PG05605	92.87	93.37	0.50	0.0050	0.0025	0.0020
			PG05606	99.45	100.46	1.01	0.0210	0.0460	0.0020
			PG05607	100.46	100.97	0.51	0.0190	0.0400	0.0020
			PG05608	100.97	101.27	0.30	0.8490	0.2210	0.0290
			PG05609	101.27	101.57	0.30	0.1720	0.0860	0.0060
			PG05610	101.57	102.24	0.67	0.0610	0.0150	0.0040
			PG05611	102.24	102.54	0.30	0.1820	0.1040	0.0090
			PG05612	102.54	103.05	0.51	0.0780	0.0230	0.0040
			PG05613	103.05	104.05	1.00	0.0090	0.0025	0.0030
148.00	148.01	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG05599	12.75	13.75	0.0005	0.0090	0.0030
PG05601	13.75	14.75	0.0080	0.0120	0.0030
PG05602	14.75	15.72	0.0010	0.0090	0.0030
PG05603	92.07	92.57	0.0060	0.0025	0.0020
PG05604	92.57	92.87	0.0120	0.0025	0.0040
PG05605	92.87	93.37	0.0050	0.0025	0.0020

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Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG05606	99.45	100.46	0.0210	0.0460	0.0020
PG05607	100.46	100.97	0.0190	0.0400	0.0020
PG05608	100.97	101.27	0.8490	0.2210	0.0290
PG05609	101.27	101.57	0.1720	0.0860	0.0060
PG05610	101.57	102.24	0.0610	0.0150	0.0040
PG05611	102.24	102.54	0.1820	0.1040	0.0090
PG05612	102.54	103.05	0.0780	0.0230	0.0040
PG05613	103.05	104.05	0.0090	0.0025	0.0030