

Hole Number: ES07-60

Units: Metric

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -54.60
Project Number: 201	North: 6803887.78	North: 61.37	Collar Az: 49.60
Location: Trona	East: 536509.62	East: 9.68	Length: 152.30 (m)
	Elev: 825.35	Elev: 825.35	Start Depth: 0.00 (m)
Date Started: May 02, 2007	Collar Survey: Y	Plugged: N	Contractor: Geo Drilling A/S
Date Completed: May 05, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Schinnes Farm Tyrstrand
Logged By: ccnor	Pulse EM Survey: N	Casing: Capped, left in hole	Final Depth: 152.30 (m)

Comments: Target: Following up historic Ni intersection in hole ES2005-35 (1.73%Ni, 0.29%Cu, 0.09%Co over 1.53m).

Result: Hole intersected a variably mineralized Pyroxenite from 7.25 to 54.25m. Mineralization consists of up to 20% PO and 2% CPY over decicentimetric intervals.

Sample Averages

Average Type	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
WEIGHTED	30.00	32.00	2.00	0.3403	0.1317	0.0220
WEIGHTED	30.00	41.00	11.00	0.2086	0.0600	0.0146

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	7.25	O/B, Overburden							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
7.25	54.25	PYXT, Pyroxenite (oikocrystic pyroxene) black, poikilitic/oikocrystic texture defined by 1.0cm wide relect pyroxenes oikocrysts? that are now altered light grey. Variably mineralized with up to 20% PO & 2% CPY (see mineralization). Strongly magnetic throughout (avg 70 on mag sus), and strongly conductive from 30.50-30.80m (net textured sulphide). Mod-strongly altered with talc-serp veinlets and fractures. bleached/altered from 30.08 to 35.70 m. Multiple faults with 2-5cm wide fault gauge. Badly broken busted core.	PG07037	29.00	30.00	1.00	0.0950	0.0100	0.0110
			PG07038	30.00	30.50	0.50	0.3210	0.0620	0.0210
			PG07039	30.50	30.80	0.30	0.6850	0.2640	0.0420
			PG07041	30.80	31.30	0.50	0.1490	0.1350	0.0110
			PG07042	31.30	31.70	0.40	0.4230	0.1670	0.0270
			PG07043	31.70	32.00	0.30	0.2360	0.0630	0.0150
			PG07044	32.00	33.00	1.00	0.0690	0.0240	0.0060
			PG07045	33.00	34.00	1.00	0.0490	0.0180	0.0060
			PG07046	34.00	35.00	1.00	0.0870	0.0220	0.0070
			PG07047	35.00	35.70	0.70	0.2130	0.0410	0.0130
			PG07048	35.70	36.15	0.45	0.5160	0.1480	0.0320
			PG07049	36.15	36.70	0.55	0.3830	0.1100	0.0240
			PG07050	36.70	37.60	0.90	0.3020	0.0700	0.0200
			PG07051	37.60	38.70	1.10	0.0690	0.0120	0.0060
			PG07052	38.70	39.40	0.70	0.2670	0.0650	0.0190
			PG07053	39.40	40.00	0.60	0.1290	0.0210	0.0120
			PG07054	40.00	41.00	1.00	0.2050	0.0430	0.0160
			PG07055	41.00	42.00	1.00	0.1410	0.0270	0.0120
			PG07056	42.00	43.00	1.00	0.1170	0.0170	0.0110
			PG07057	43.00	44.00	1.00	0.0970	0.0160	0.0110
			PG07058	44.00	45.00	1.00	0.0820	0.0080	0.0100
			PG07059	45.00	46.10	1.10	0.0820	0.0070	0.0100
			PG07061	46.10	46.50	0.40	0.0740	0.0250	0.0120
			PG07062	46.50	47.70	1.20	0.0470	0.0080	0.0070
			PG07063	47.70	48.10	0.40	0.0920	0.0650	0.0200
			PG07064	48.10	48.40	0.30	0.0870	0.0670	0.0180
			PG07065	48.40	49.20	0.80	0.1280	0.1750	0.0270
			PG07066	49.20	49.55	0.35	0.0250	0.0230	0.0060
			PG07067	49.55	50.00	0.45	0.1150	0.0970	0.0250
			PG07068	50.00	50.30	0.30	0.1410	0.1460	0.0310
			PG07069	50.30	50.64	0.34	0.1080	0.1350	0.0240
			PG07070	50.64	50.90	0.26	0.0130	0.0090	0.0040
			PG07071	50.90	51.70	0.80	0.0410	0.0470	0.0110
			PG07072	51.70	52.00	0.30	0.1260	0.0840	0.0280
			PG07073	52.00	53.00	1.00	0.0200	0.0120	0.0070
			PG07074	53.00	53.90	0.90	0.0160	0.0130	0.0060
			PG07075	53.90	54.25	0.35	0.0530	0.0370	0.0130
		Mineralization 53.00 - 53.90 : PO Pyrrhotite, DIS Disseminated, 2% 50.90 - 52.00 : PO Pyrrhotite, Net Net Textured, 6.5% 5-6% po, 0.5% cpy 50.30 - 50.64 : PO Pyrrhotite, Net Net Textured, 17% 15% po, 2% cpy 49.55 - 50.00 : PO Pyrrhotite, Net Net Textured, 11% 10% Po, 1% Cpy 48.40 - 49.20 : PO Pyrrhotite, Net Net Textured, 22% 20% Po, 2% Cpy 47.70 - 48.10 : PO Pyrrhotite, Net Net Textured, 7.5% 5-7% Po, 0.5% Cpy 46.10 - 46.50 : PO Pyrrhotite, Net Net Textured, 10% 36.15 - 37.60 : PO Pyrrhotite, Net Net Textured, 4.5% 3-4% Po, 0.5% Cpy 32.00 - 35.70 31.30 - 31.70 : PO Pyrrhotite, F Fracture Controlled, 5% 5-7 % PO, 0.5% CPY 30.50 - 30.80 : PO Pyrrhotite, Net Net Textured, 10% 10% PO, 1% CPY 29.00 - 30.00 : PO Pyrrhotite, TR Trace, 0.25% 31.70 - 32.00 : PO Pyrrhotite, DIS Disseminated, 1% 30.80 - 31.30 30.00 - 30.50 : PO Pyrrhotite, DIS Disseminated, 1.5% 1-2 % PO, 0.5% CPY 53.90 - 54.25 : PO Pyrrhotite, NT Net-Textured, 7% 52.00 - 53.00 : PO Pyrrhotite, DIS Disseminated, 1% 50.64 - 50.90 50.00 - 50.30 : PO Pyrrhotite, NT Net-Textured, 21% 20% po, 1% Cpy 49.20 - 49.55 48.10 - 48.40 : PO Pyrrhotite, DIS Disseminated, 1% 46.50 - 47.70 : PO Pyrrhotite, DIS Disseminated, 1% 37.60 - 44.00 : PO Pyrrhotite, Net Net Textured, 2.5% 1-2% Po, 0.5% Cpy.							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>Mineralization 35.70 - 36.15 : PO Pyrrhotite, F Fracture Controlled, 11% 10% Po, 1% Cpy</p> <p>Alteration 14.80 - 15.00 :SERP Serpentine, FF Fracture Filling, S Strong 30.08 - 35.70 :BL Bleaching, BL Bleached, S Strong light grey, fine grained quartz/feldspar groundmass, speckled texture, locally red garnets? observed (alteration associated with faulting)</p> <p>Structure 9.05 - 9.05 : Frct Fracture, 50 Deg to CA serpentite infill 10.35 - 10.35 : Frct Fracture, 45 Deg to CA 14.85 - 14.95 : Frct Fracture, 25 Deg to CA serpentite infill 24.75 - 24.95 : F Fractured, 30 Deg to CA multiple fractures 25.20 - 25.20 : Frct Fracture, 45 Deg to CA serpentite infill 27.20 - 27.20 : FLT Fault, 55 Deg to CA 28.92 - 29.00 : G Gouge, 65 Deg to CA green/black gauge 31.25 - 31.30 : G Gouge, 50 Deg to CA 32.60 - 32.70 : VN Veins, 15 Deg to CA serpentite 34.40 - 34.40 : VN Veins, 35 Deg to CA 35.00 - 35.00 : FOL Foliated, 60 Deg to CA 37.20 - 37.20 : F Fractured, 55 Deg to CA 37.30 - 37.30 : Frct Fracture, 70 Deg to CA 38.70 - 38.70 : Frct Fracture, 45 Deg to CA 41.25 - 41.25 : Frct Fracture, 30 Deg to CA 45.10 - 45.10 : Frct Fracture, 70 Deg to CA 48.62 - 48.65 : G Gouge, 55 Deg to CA 49.10 - 49.10 : Frct Fracture, 20 Deg to CA</p>							
54.25	152.30	<p>GAB, Gabbro (mafic intrusive undivided anorthosite?) Unit is light grey, weakly magnetic, overall weakly mineralized and non conductive. locally mineralized with net textured/stringer po and cpy up to 6% (see mineralization). unit consists of altered anorthosite and mafic dikes. overall quite heterogenous. locally well foliated 40-55 DTCA.</p> <p>Mineralization 62.00 - 63.00 : PO Pyrrhotite, Net Net Textured, 4% 81.80 - 84.80 : PO Pyrrhotite, STR Stringers, 6% 5% po, 1% cpy</p>	PG07076	54.25	54.80	0.55	0.0110	0.0080	0.0040
			PG07077	54.80	55.80	1.00	0.0080	0.0025	0.0040
			PG07078	80.50	81.50	1.00	0.0120	0.0025	0.0040
			PG07079	81.50	82.00	0.50	0.0170	0.0130	0.0050
			PG07081	82.00	82.60	0.60	0.1790	0.2330	0.0300
			PG07082	82.60	83.70	1.10	0.1250	0.1080	0.0230
			PG07083	83.70	84.10	0.40	0.1200	0.1060	0.0260
			PG07084	84.10	84.60	0.50	0.0140	0.0160	0.0060
			PG07085	84.60	85.15	0.55	0.0150	0.0110	0.0050

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Samples

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PG07038	30.00	30.50	0.3210	0.0620	0.0210
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PG07041	30.80	31.30	0.1490	0.1350	0.0110
PG07042	31.30	31.70	0.4230	0.1670	0.0270
PG07043	31.70	32.00	0.2360	0.0630	0.0150
PG07044	32.00	33.00	0.0690	0.0240	0.0060
PG07045	33.00	34.00	0.0490	0.0180	0.0060
PG07046	34.00	35.00	0.0870	0.0220	0.0070
PG07047	35.00	35.70	0.2130	0.0410	0.0130
PG07048	35.70	36.15	0.5160	0.1480	0.0320
PG07049	36.15	36.70	0.3830	0.1100	0.0240
PG07050	36.70	37.60	0.3020	0.0700	0.0200
PG07051	37.60	38.70	0.0690	0.0120	0.0060
PG07052	38.70	39.40	0.2670	0.0650	0.0190
PG07053	39.40	40.00	0.1290	0.0210	0.0120
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PG07071	50.90	51.70	0.0410	0.0470	0.0110
PG07072	51.70	52.00	0.1260	0.0840	0.0280
PG07073	52.00	53.00	0.0200	0.0120	0.0070
PG07074	53.00	53.90	0.0160	0.0130	0.0060
PG07075	53.90	54.25	0.0530	0.0370	0.0130

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Sample Type	ASSAY				
PG07076	54.25	54.80	0.0110	0.0080	0.0040
PG07077	54.80	55.80	0.0080	0.0025	0.0040
PG07078	80.50	81.50	0.0120	0.0025	0.0040
PG07079	81.50	82.00	0.0170	0.0130	0.0050
PG07081	82.00	82.60	0.1790	0.2330	0.0300
PG07082	82.60	83.70	0.1250	0.1080	0.0230
PG07083	83.70	84.10	0.1200	0.1060	0.0260
PG07084	84.10	84.60	0.0140	0.0160	0.0060
PG07085	84.60	85.15	0.0150	0.0110	0.0050