

DETAILED LOG

Hole Number: ES07-102

Units: METRIC

Project Name: Norway - Espedalen	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -90.00
Project Number: 201	North: 6807237.00	North: 61.40	Collar Az: 0.00
Location: Megrund	East: 528721.00	East: 9.54	Length: 155.81 (m)
	Elev: 1130.00	Elev: 1130.00	Start Depth: 0.00 (m)
Date Started: Nov 09, 2007	Collar Survey: N	Plugged: N	Contractor: Drillcon Core AB
Date Completed: Nov 17, 2007	Multishot Survey: N	Hole Size: TT46	Core Storage: Tyrstrand
Logged By: K Leonard	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 155.81 (m)

Comments: This hole is targeting the Megrund mineralized structure along strike from ES07-101, in a previously untested area of the zone.

Results:

1.05 - 32.25m - 1-2% disseminated, blebby Po and Cpy with local fracture controlled concentrations up to 5%.

143.20 - 151.50m 1-2% disseminated blebby Po and rare Cpy, up to 5% Po between 145 to 148m

Sample Averages

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	1.05	CAS, Casing							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
1.05	35.25	GNOR, Gabbro Norite	PG05432	1.05	2.00	0.95	0.4460	0.1630	0.0190
		grey-white colour, medium to coarse grained, massive to weakly foliated, locally sheared, alternating plagioclase-rich and mafic rich sections:	PG05433	2.00	3.00	1.00	0.6090	0.2250	0.0300
			PG05434	3.00	4.00	1.00	0.3420	0.1280	0.0150
			PG05435	4.00	5.00	1.00	0.5240	0.1860	0.0220
		1.05 - 9.0m , 14.10 - 19.47m plagioclase-rich	PG05436	5.00	6.00	1.00	0.4530	0.1400	0.0190
		9.0 - 14.10m, 19.47 - 24.10m mafic-rich	PG05437	6.00	7.00	1.00	0.3240	0.3540	0.0150
		becomes more sheared below 14m.	PG05438	7.00	8.00	1.00	0.1440	0.0530	0.0080
			PG05439	8.00	9.00	1.00	0.2120	0.1070	0.0100
			PG05441	9.00	10.00	1.00	0.2500	0.0920	0.0120
			PG05442	10.00	11.00	1.00	0.2750	0.1690	0.0140
			PG05443	11.00	12.00	1.00	0.1630	0.1210	0.0090
			PG05444	12.00	13.00	1.00	0.0750	0.0610	0.0060
			PG05445	13.00	14.00	1.00	0.0840	0.0570	0.0050
		f.g. disseminated pyrrhotite, locally net-textured.	PG05446	14.00	15.00	1.00	0.1230	0.1060	0.0060
		Texture	PG05447	15.00	16.00	1.00	0.1810	0.1050	0.0080
		1.05 - 35.25 : Mtl Mottled	PG05448	16.00	17.00	1.00	0.2440	0.0890	0.0100
		Alteration	PG05449	17.00	18.00	1.00	0.2140	0.1320	0.0090
		1.05 - 3.85 :Oxid Oxidized, F Fracture Controlled, W Weak	PG05450	18.00	19.00	1.00	0.2360	0.1460	0.0100
		Structure	PG05451	19.00	19.50	0.50	0.2280	0.1710	0.0100
		1.05 - 2.85	PG05452	19.50	20.00	0.50	0.1820	0.2060	0.0110
		6.46 - 6.70	PG05453	20.00	21.00	1.00	0.1380	0.2330	0.0110
		9.00 - 9.35	PG05454	21.00	22.00	1.00	0.1130	0.0630	0.0070
		10.25 - 10.50	PG05455	22.00	23.00	1.00	0.1620	0.0700	0.0090
		29.55 - 31.05	PG05456	23.00	24.00	1.00	0.1540	0.0800	0.0080
		33.00 - 35.25	PG05457	24.00	25.00	1.00	0.1100	0.0650	0.0050
		MINOR INTERVALS:	PG05458	25.00	26.00	1.00	0.1940	0.0680	0.0080
		Minor Interval:	PG05459	26.00	27.00	1.00	0.2290	0.1110	0.0090
		1.05 - 14.25 SULF, Sulfide	PG05461	27.00	28.00	1.00	0.1950	0.0690	0.0080
		1.05 - 14.25m wide zone of weak disseminated Po, +/-Cpy mineralization, anorthoclase shows oxide staining from surface to about 9m down section.	PG05462	28.00	29.00	1.00	0.2600	0.1230	0.0090
			PG05463	29.00	30.00	1.00	0.2310	0.0760	0.0090
			PG05464	30.00	31.00	1.00	0.1930	0.0790	0.0080
		The mineralization is disseminated - blebs and specks, and locally as fracture infillings.	PG05465	31.00	32.00	1.00	0.1840	0.0920	0.0080
		Minor Interval:	PG05466	32.00	33.00	1.00	0.3030	0.1120	0.0110
		14.25 - 14.42 MD, Mafic Dike	PG05467	33.00	34.00	1.00	0.1600	0.0450	0.0060
		black in colour, fine grained, sharp upper and lower contacts at 62deg and 65deg to the LCA respectively	PG05468	34.00	35.00	1.00	0.3660	0.1260	0.0160
		Minor Interval:	PG05469	35.00	35.30	0.30	0.3330	0.1610	0.0130
		14.42 - 32.25 SULF, Sulfide							
		same as mineralized alteration above from 1.05 - 14.25m							

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Detailed Lithology		Lithology	Assay Data						
From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
35.25	49.05	GAB, Gabbro dark grey-green in colour, finer grained than norite variety above, abundant interstitial feldspar - anorthoclase and plagioclase, becomes increasingly more sheared down section towards the lower contact, moderately fractured, trace sulphides. 48 - 49.05m - wispy, sheared feldspars, 3-7% laminated / banded sulphides - Po, + / Py and Cpy, Structure 37.50 - 44.00 <3 to 17cm sections @ 75-80deg broken fractures	PG05470	35.30	36.00	0.70	0.0270	0.0230	0.0030
			PG05471	36.00	36.50	0.50	0.1520	0.0570	0.0080
			PG05472	36.50	37.00	0.50	0.0040	0.0080	0.0040
			PG05473	47.00	48.00	1.00	0.0160	0.0170	0.0040
			PG05474	48.00	49.00	1.00	0.3320	0.1500	0.0140
			PG05475	49.00	50.00	1.00	0.1170	0.1570	0.0090
49.05	60.40	UM, Ultramafic black in colour, fine grained, soapy feel - serpentized pyroxenite, abundant chlorite slickensides, incompetent core - strong fracturing, occasional f.g. sulphide mineralization, Structure 49.05 - 60.40	PG05476	50.00	51.00	1.00	0.0620	0.0200	0.0080
			PG05477	51.00	52.00	1.00	0.0610	0.0170	0.0060
			PG05478	52.00	53.00	1.00	0.0250	0.0100	0.0060
			PG05479	53.00	54.00	1.00	0.0580	0.0230	0.0080
			PG05481	54.00	55.00	1.00	0.0580	0.0220	0.0080
			PG05482	55.00	56.00	1.00	0.0960	0.0360	0.0100
			PG05483	56.00	57.00	1.00	0.0400	0.0130	0.0070
			PG05484	57.00	58.00	1.00	0.0600	0.0230	0.0070
			PG05485	58.00	59.00	1.00	0.1620	0.0860	0.0120
			PG05486	59.00	60.00	1.00	0.0280	0.0110	0.0050
			PG05487	60.00	60.50	0.50	0.0800	0.0260	0.0100

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
60.40	134.45	GNOR, Gabbro Norite similar to unit observed from 1.05 to 35.25m, this unit is noticeably more sheared and contains lesser intermittent mafic-rich sections, highly differentiated anorthoclase textures - fine to coarse grained (randomly oriented equant euhedra), generally competent core. Structure 102.00 - 110.80 intensely fractured MINOR INTERVALS: Minor Interval: 93.39 - 94 MD, Mafic Dike dark grey, fine grained, homogenous, distinct upper and lower contacts at 040deg and 060deg to the LCA respectively. Minor Interval: 109.45 - 110.8 UM, Ultramafic narrow seam, black in colour, fine grained, serpentinized, slickensided fracture faces, 2-4% disseminated, blebby sulphide mineralization throughout interval.	PG05488	69.00	70.00	1.00	0.1530	0.0920	0.0120
			PG05489	70.00	71.00	1.00	0.1480	0.1570	0.0110
			PG05490	71.00	72.00	1.00	0.3480	0.1720	0.0220
			PG05491	72.00	73.00	1.00	0.3010	0.1470	0.0190
			PG05492	73.00	74.00	1.00	0.3310	0.1980	0.0220
			PG05493	74.00	75.00	1.00	0.2780	0.1380	0.0190
			PG05494	75.00	76.00	1.00	0.4060	0.1680	0.0270
			PG05495	76.00	77.00	1.00	0.3950	0.2090	0.0260
			PG05496	77.00	78.00	1.00	0.2910	0.1130	0.0180
			PG05497	78.00	79.00	1.00	0.4020	0.2240	0.0240
			PG05498	79.00	79.70	0.70	0.2090	0.0990	0.0140
			PG05499	79.70	81.00	1.30	0.3300	0.1370	0.0210
			PG08151	81.00	82.00	1.00	0.1760	0.0810	0.0110
			PG08152	82.00	83.00	1.00	0.1410	0.0630	0.0090
			PG08153	83.00	84.00	1.00	0.1300	0.0610	0.0090
			PG08154	84.00	85.00	1.00	0.3260	0.1620	0.0200
			PG08155	85.00	86.00	1.00	0.2660	0.1290	0.0180
			PG08156	86.00	87.00	1.00	0.1530	0.0930	0.0120
			PG08157	87.00	88.00	1.00	0.0390	0.0170	0.0030
			PG08158	88.00	89.00	1.00	0.1410	0.0780	0.0100
			PG08159	89.00	89.50	0.50	0.2570	0.1000	0.0170
			PG08161	109.00	109.45	0.45	0.2330	0.1010	0.0130
			PG08162	109.45	109.95	0.50	0.1260	0.0700	0.0130
			PG08163	109.95	110.80	0.85	0.1190	0.0350	0.0130
			PG08164	110.80	111.10	0.30	0.0180	0.0080	0.0030
134.45	143.20	GAB, Gabbro distinctly different than unit observed above, noticeable reduction in presence white feldspar porphyroblasts, uniformly grey in colour, medium grained, homogenous texture, moderately magnetic, weakly fractured, trace sulphides.	PG08165	142.50	143.20	0.70	0.0040	0.0060	0.0030
143.20	149.19	UM, Ultramafic black in colour, fine grained, weakly chloritized and serpentinized, moderately magnetic, sharp lower contact at 80 deg to the LCA, disseminated blebs and specks of Po throughout up to 5%. MINOR INTERVALS: Minor Interval: 143.2 - 149.19 SULF, Sulfide 2-5% disseminated Po and rare Cpy as medium grained blebs and flecks	PG08166	143.20	144.00	0.80	0.1550	0.1240	0.0120
			PG08167	144.00	145.00	1.00	0.1790	0.0560	0.0120
			PG08168	145.00	146.00	1.00	0.2190	0.1110	0.0130
			PG08169	146.00	147.00	1.00	0.1300	0.0800	0.0080
			PG08170	147.00	148.00	1.00	0.2230	0.0600	0.0130
			PG08171	148.00	149.00	1.00	0.1670	0.1200	0.0110
			PG08172	149.00	150.00	1.00	0.1280	0.1710	0.0080
149.19	155.80	GNOR, Gabbro Norite same as unit observed from 60.40 to 134.43m above. MINOR INTERVALS: Minor Interval: 149.19 - 151.5 SULF, Sulfide 1-2% medium gr. disseminated Po	PG08173	150.00	151.00	1.00	0.1220	0.1080	0.0070
			PG08174	151.00	151.50	0.50	0.1420	0.1020	0.0080
			PG08175	151.50	152.00	0.50	0.1520	0.1420	0.0090

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
155.80	155.81	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG05432	1.05	2.00	0.4460	0.1630	0.0190
PG05433	2.00	3.00	0.6090	0.2250	0.0300
PG05434	3.00	4.00	0.3420	0.1280	0.0150
PG05435	4.00	5.00	0.5240	0.1860	0.0220
PG05436	5.00	6.00	0.4530	0.1400	0.0190
PG05437	6.00	7.00	0.3240	0.3540	0.0150
PG05438	7.00	8.00	0.1440	0.0530	0.0080
PG05439	8.00	9.00	0.2120	0.1070	0.0100
PG05441	9.00	10.00	0.2500	0.0920	0.0120
PG05442	10.00	11.00	0.2750	0.1690	0.0140
PG05443	11.00	12.00	0.1630	0.1210	0.0090
PG05444	12.00	13.00	0.0750	0.0610	0.0060
PG05445	13.00	14.00	0.0840	0.0570	0.0050
PG05446	14.00	15.00	0.1230	0.1060	0.0060
PG05447	15.00	16.00	0.1810	0.1050	0.0080
PG05448	16.00	17.00	0.2440	0.0890	0.0100
PG05449	17.00	18.00	0.2140	0.1320	0.0090
PG05450	18.00	19.00	0.2360	0.1460	0.0100
PG05451	19.00	19.50	0.2280	0.1710	0.0100
PG05452	19.50	20.00	0.1820	0.2060	0.0110
PG05453	20.00	21.00	0.1380	0.2330	0.0110
PG05454	21.00	22.00	0.1130	0.0630	0.0070
PG05455	22.00	23.00	0.1620	0.0700	0.0090
PG05456	23.00	24.00	0.1540	0.0800	0.0080
PG05457	24.00	25.00	0.1100	0.0650	0.0050
PG05458	25.00	26.00	0.1940	0.0680	0.0080
PG05459	26.00	27.00	0.2290	0.1110	0.0090
PG05461	27.00	28.00	0.1950	0.0690	0.0080
PG05462	28.00	29.00	0.2600	0.1230	0.0090
PG05463	29.00	30.00	0.2310	0.0760	0.0090
PG05464	30.00	31.00	0.1930	0.0790	0.0080
PG05465	31.00	32.00	0.1840	0.0920	0.0080
PG05466	32.00	33.00	0.3030	0.1120	0.0110

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Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG05467	33.00	34.00	0.1600	0.0450	0.0060
PG05468	34.00	35.00	0.3660	0.1260	0.0160
PG05469	35.00	35.30	0.3330	0.1610	0.0130
PG05470	35.30	36.00	0.0270	0.0230	0.0030
PG05471	36.00	36.50	0.1520	0.0570	0.0080
PG05472	36.50	37.00	0.0040	0.0080	0.0040
PG05473	47.00	48.00	0.0160	0.0170	0.0040
PG05474	48.00	49.00	0.3320	0.1500	0.0140
PG05475	49.00	50.00	0.1170	0.1570	0.0090
PG05476	50.00	51.00	0.0620	0.0200	0.0080
PG05477	51.00	52.00	0.0610	0.0170	0.0060
PG05478	52.00	53.00	0.0250	0.0100	0.0060
PG05479	53.00	54.00	0.0580	0.0230	0.0080
PG05481	54.00	55.00	0.0580	0.0220	0.0080
PG05482	55.00	56.00	0.0960	0.0360	0.0100
PG05483	56.00	57.00	0.0400	0.0130	0.0070
PG05484	57.00	58.00	0.0600	0.0230	0.0070
PG05485	58.00	59.00	0.1620	0.0860	0.0120
PG05486	59.00	60.00	0.0280	0.0110	0.0050
PG05487	60.00	60.50	0.0800	0.0260	0.0100
PG05488	69.00	70.00	0.1530	0.0920	0.0120
PG05489	70.00	71.00	0.1480	0.1570	0.0110
PG05490	71.00	72.00	0.3480	0.1720	0.0220
PG05491	72.00	73.00	0.3010	0.1470	0.0190
PG05492	73.00	74.00	0.3310	0.1980	0.0220
PG05493	74.00	75.00	0.2780	0.1380	0.0190
PG05494	75.00	76.00	0.4060	0.1680	0.0270
PG05495	76.00	77.00	0.3950	0.2090	0.0260
PG05496	77.00	78.00	0.2910	0.1130	0.0180
PG05497	78.00	79.00	0.4020	0.2240	0.0240
PG05498	79.00	79.70	0.2090	0.0990	0.0140
PG05499	79.70	81.00	0.3300	0.1370	0.0210
PG08151	81.00	82.00	0.1760	0.0810	0.0110
PG08152	82.00	83.00	0.1410	0.0630	0.0090
PG08153	83.00	84.00	0.1300	0.0610	0.0090
PG08154	84.00	85.00	0.3260	0.1620	0.0200
PG08155	85.00	86.00	0.2660	0.1290	0.0180

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Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
PG08156	86.00	87.00	0.1530	0.0930	0.0120
PG08157	87.00	88.00	0.0390	0.0170	0.0030
PG08158	88.00	89.00	0.1410	0.0780	0.0100
PG08159	89.00	89.50	0.2570	0.1000	0.0170
PG08161	109.00	109.45	0.2330	0.1010	0.0130
PG08162	109.45	109.95	0.1260	0.0700	0.0130
PG08163	109.95	110.80	0.1190	0.0350	0.0130
PG08164	110.80	111.10	0.0180	0.0080	0.0030
PG08165	142.50	143.20	0.0040	0.0060	0.0030
PG08166	143.20	144.00	0.1550	0.1240	0.0120
PG08167	144.00	145.00	0.1790	0.0560	0.0120
PG08168	145.00	146.00	0.2190	0.1110	0.0130
PG08169	146.00	147.00	0.1300	0.0800	0.0080
PG08170	147.00	148.00	0.2230	0.0600	0.0130
PG08171	148.00	149.00	0.1670	0.1200	0.0110
PG08172	149.00	150.00	0.1280	0.1710	0.0080
PG08173	150.00	151.00	0.1220	0.1080	0.0070
PG08174	151.00	151.50	0.1420	0.1020	0.0080
PG08175	151.50	152.00	0.1520	0.1420	0.0090