

Hole Number: ER07-40

Units: METRIC

Project Name: Norway - South Norway	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -60.60
Project Number: 203	North: 6659504.89	North: 60.07	Collar Az: 238.00
Location: Surface	East: 558179.95	East: 10.05	Length: 578.66 (m)
	Elev: 169.47	Elev: 169.47	Start Depth: 0.00 (m)
Date Started: Dec 14, 2007	Collar Survey: N	Plugged: N	Contractor: Drillcon Core AB
Date Completed:	Multishot Survey: N	Hole Size: NQ	Core Storage: Tyrstrand
Logged By: K Leonard	Pulse EM Survey: N	Casing: Left in Hole	Final Depth: 578.66 (m)

Comments: This hole is designed to test GABB / FW contact below Hole ER07-39.

Results:

70.20 - 71.75m 3-7% disseminated Po and Cpy

Sample Averages

Survey Data

Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments	Depth (m)	Azimuth Decimal	Dip Decimal	Test Type	Flag	Comments
10.00		-60.60	EZ	OK							

Detailed Lithology			Assay Data						
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	11.20	CAS, Casing							
11.20	27.60	GNOR, Gabbro Norite dark grey, medium grained, comprised of plag-qtz-pyx-amph-bio+/-grnt, weakly foliated to locally sheared, competent core, trace sulphides.							
27.60	31.03	PEG, Pegmatite smokey grey to white in colour, coarse granular texture, comprises 30% included mafic material, broken core and shearing evident at both upper and lower contacts, nil sulphides							
31.03	39.35	GNOR, Gabbro Norite similar to unit observed above from 11.20-27.60m							
39.35	42.15	PEG, Pegmatite grey-white in colour, locally pegmatitic bio/muscovite flakes, locally fractured, sharp upper contact at 27deg to the LCA, lower contact at 40deg to the LCA, nil sulphides.							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
42.15	76.05	GNOR, Gabbro Norite grey in colour, medium to coarse grained, foliated to weakly sheared, trace Po and Cpy, competent core MINOR INTERVALS: Minor Interval: 62.5 - 63.57 MD, Mafic Dike grey in colour, fine grained, massive texture, nil sulphides, competent core, upper contact trends 57deg to the LCA, lower contact trends 65deg to the LCA. Minor Interval: 70.2 - 71.75 SULF, Sulfide 3-7% disseminated, blebby Po and interstitial Cpy.	BL01001	69.80	70.20	0.40	0.0240	0.0170	0.0030
			BL01002	70.20	71.00	0.80	0.0960	0.0870	0.0100
			BL01003	71.00	71.50	0.50	0.1600	0.1300	0.0160
			BL01004	71.50	72.00	0.50	0.0450	0.0330	0.0050
			BL01005	72.00	72.50	0.50	0.0700	0.0840	0.0080
76.05	104.43	MD, Mafic Dike grey in colour, fine grained, massive texture, strongly sheared below 84m with accompanying increase in chlorite alteration, trace / local sulphides, highly fractured core from 84 to 101.22m broken, sheared, strongly chloritized lower contact, shearing at 25deg to the LCA with 3-5% finely disseminated sulphides Structure 84.50 - 86.50 86.50 - 87.43 : SHR Shear, 20 Deg to CA low-angle foliation 88.00 - 88.30 strongly fractured 89.70 - 97.70 intensely fractured, strong chlorite slickensides							
104.43	105.81	PEG, Pegmatite surgary white in colour, sheared at 68deg to the LCA, irregularly banded, abundant mica, 40% included mafic material, blocky core in 5-17cm segments, trace sulphides,							
105.81	199.75	GNOR, Gabbro Norite grey in colour, medium grained, massive / homogenous texture, competent core, nil sulphides Structure 111.00 - 111.59 : F Fractured, 5 Deg to CA very low angle fracture, strong chlorite alteration 196.70 - 197.00 : FOL Foliated, 30 Deg to CA							
199.75	201.77	MD, Mafic Dike grey in colour, fine grained, homogenous texture, sheared towards lower contact at 45deg to the LCA, competent core, nil sulphides							
201.77	210.05	PEG, Pegmatite granitoid intrusive, pinkish grey, medium grained, massive to weakly foliated, sharp lower contact at 40 deg to the LCA, competent core, nil sulphides							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
210.05	222.61	GNOR, Gabbro Norite grey in colour, medium grained, well foliated to sheared at 42 deg to the LCA, abundant garnet, competent core, nil sulphides.							
222.61	226.17	PEG, Pegmatite same as unit above from 201.77 - 210.05m							
226.17	233.47	GNOR, Gabbro Norite grey in colour, medium grained, some f.g. garnets, well foliated, competent core, nil sulphides							
233.47	240.20	PEG, Pegmatite pinkish grey in colour, mottled, strongly silicified, locally sheared, trace sulphides, competent core							
240.20	288.10	GNOR, Gabbro Norite							
288.10	292.70	PEG, Pegmatite similar to units observed above sharp upper and lower contacts at 45 and 48 degrees to the LCA respectively							
292.70	295.06	GNOR, Gabbro Norite							
295.06	303.00	PEG, Pegmatite grey in colour, mottled, well foliated, silicified, abundant f.g. garnets throughout, 65% included mafic material, competent core, local c.g. blebs of Po							
303.00	389.50	GNOR, Gabbro Norite similar to units above, becoming more coarse grained below 321.0m, hypidiomorphic granular / interstitial texture, locally fractured but generally competent, rare flecks of sulphides Structure 323.00 - 323.20 chlorite slickensides 325.00 - 326.10 strongly fractured core 375.90 - 384.00 predominantly fractured zone, chlorite slickensides on fracture faces							
389.50	395.54	PEG, Pegmatite greyish white in colour, mottled texture, abundant (up to 60%) biotite/muscovite inclusions and seams, foliated at 50deg to the LCA, locally fractured core, nil sulphides							
395.54	409.74	GNOR, Gabbro Norite grey in colour, coarse grained, interstitial / granoblastic texture, consists of plag-qtz-hbl-d-pyx-bio+/-chl, competent core, nil sulphides							
409.74	412.85	PEG, Pegmatite similar to the unit observed above from 389.50 - 395.54m							
412.85	424.12	GNOR, Gabbro Norite same as unit above very competent core, nil sulphides							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
424.12	431.75	PEG, Pegmatite same as units above. strong micaceous alteration halo near upper and lower contacts, sharp contacts at 88 degrees to the LCA. spotty sulphide mineralization.							
431.75	478.33	GNOR, Gabbro Norite same as unit above from 412.85 - 424.12m competent core, nil sulphides. Structure 453.15 - 453.45 strong chlorite slickensides							
478.33	481.13	PEG, Pegmatite greyish white, coarse grained, mottled. texture, narrow intervening GNOR segments, 40% included mafic material, competent core, locally fractured, nil sulphides							
481.13	521.34	FGN, Felsic Gneiss FOOTWALL GNEISS pinkish-grey in colour, fine grained, laminated to banded at 40 degrees to the LCA, consists of qtz-plag-hbl-d-bio+/-grnt. competent core, nil sulphides. Structure 493.82 - 499.15 60% fractured zone 508.93 - 510.15 strongly fractured core							
521.34	555.70	MGN, Mafic Gneiss dark grey in colour, coarse grained, gneissic texture, comprises plag-hbl-d-qtz-bio+/-grnt-chl schist, intruded by narrow pegmatite units, rare sulphide flecks, competent core. Structure 542.65 - 543.10 : GN Gneissic, 5 Deg to CA very low angle gneissosity 543.10 - 543.80 strongly fractured core 544.30 - 544.70 chlorite slickensides							
555.70	557.90	PEG, Pegmatite greyish white, pegmatitic grain size, mottled, 35% interstitial mafic material (biotite and chlorite), competent core, nil sulphides.							
557.90	564.16	MGN, Mafic Gneiss same as unit above from 521.34 - 555.70m.							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
564.16	565.54	PEG, Pegmatite							
565.54	572.72	MGN, Mafic Gneiss grey in colour, medium to coarse grained, foliated to sheared, weak gneissosity, lower contact marked by glassy quartz vein trending 30 degrees to the LCA.							
572.72	578.65	GAB, Gabbro grey in colour, medium grained to porphyritic in appearance, lack of gneissic textures, competent core, nil sulphides.							
578.65	578.66	EOH, End of Hole							

Samples

Sample Number	From (m)	To (m)	Ni%	Cu%	Co%
Sample Type	ASSAY				
BL01001	69.80	70.20	0.0240	0.0170	0.0030
BL01002	70.20	71.00	0.0960	0.0870	0.0100
BL01003	71.00	71.50	0.1600	0.1300	0.0160
BL01004	71.50	72.00	0.0450	0.0330	0.0050
BL01005	72.00	72.50	0.0700	0.0840	0.0080