

DETAILED LOG

Hole Number: ER2006-26

Units: METRIC

Project Name: Norway - South Norway	Primary Coordinates Grid: UTM84-32N	Destination Coordinates Grid: UTM:	Collar Dip: -88.70
Project Number: 203	North: 6659728.48	North: 60.07	Collar Az: 73.80
Location: Ertelia	East: 557978.20	East: 10.04	Length: 422.90 (m)
	Elev: 160.03	Elev: 160.03	Start Depth: 0.00 (m)
Date Started: Dec 14, 2006	Collar Survey: N	Plugged: N	Contractor: Drillcon Core AB
Date Completed: Dec 20, 2006	Multishot Survey: N	Hole Size: WL-56/39	Core Storage:
Logged By: larsw	Pulse EM Survey: N	Casing: left in hole, capped	Final Depth: 422.90 (m)

Comments: Vertical hole designed to test gabbronorite body to depth on Line 1800N. No sulphides were intersected.

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	73.80	-88.70	EZ	OK		25.00	71.60	-88.50	EZ	OK	
50.00	74.50	-88.30	EZ	OK		100.00	78.90	-88.70	EZ	OK	
140.00	62.50	-88.50	EZ	OK							

Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
0	7.95	C, Casing Casing pushed to 9.2m							

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Detailed Lithology		Assay Data							
From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD 37.40 - 39.60 : 79.50 % RQD 100.00 % Core							
39.60	50.60	4, Anorthosite / Anorthosite Gabbro Very coarse-grained, pegmatitic unit, consisting of quartz, plagioclase and biotite. This unit is non-foliated, non-mineralized, and distinctly non-magnetic. The lower contact of this unit is marked by an about 35cm thick gneiss sliver; the contact to the footwall gabbro is assimilated and gradational. Structure 47.56 - 47.75 possible fault, broken core, no attitude due to very broken core RQD 39.60 - 41.50 : 57.90 % RQD 100.00 % Core 41.50 - 46.60 : 79.40 % RQD 100.00 % Core 46.60 - 50.80 : 73.80 % RQD 100.00 % Core							

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From (m)	To (m)		Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
50.60	422.90	<p>GAB, Gabbro</p> <p>Dark gray, medium-grained, non-magnetic, plagioclase and pyroxene-bearing, homogeneous gabbro. This unit is cut by numerous serpentinized shears; in contact of these structures the rock appears recrystallized, coarser-grained, and more altered.</p> <p>The lower contact of this unit was not intersected since this hole was shut down.</p> <p>83.75 - 83.72: qz-plagioclase sweat, UC is sheared at 600 degrees tca</p> <p>106.55 - 107.05: pegmatitic sweat</p> <p>111.50 - 111.68: pegmatitic sweat, UC is sheared at 50 degrees tca</p> <p>147.20 - 147.40: pegmatitic sweat</p> <p>157.08 - 157.46: 10f intrusive</p> <p>157.75 - 158.00: 10f intrusive</p> <p>158.56 - 159.00: pegmatitic sweat; lower contact is bx and sheared at 25 degrees tca</p> <p>199.70 - 214.00: multiple shears and minor faults</p> <p>** Slickensides in shears suggest at least 2 generations of movement roughly perpendicular to each other. Furthermore, movement seems to have been of an oblique nature.**</p> <p>300.70: 3cm qz-carb vein. likely healed shear. nice strain markers, 30 degree tca</p> <p>301.5 - 301.6: qz-carb vein. likely healed shear. nice strain markers, 30 degree tca</p> <p>303.56 - 303.80: qz/plag pegmatitic sweat</p> <p>311.22 - 311.50: qz/plag pegmatitic sweat</p> <p>318.70 - 318.90: qz/plag pegmatitic sweat</p> <p>356.45 - 357.16: qz/plag pegmatitic sweat, UC and LC sharp at 40 and 30 degrees tca, respectively</p> <p>387.00 - 401.00: rock has moderate to high mag (mag susz up to 35); also mottled texture, locally foliated, trace po</p>							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		<p>Mineralization</p> <p>208.00 - 350.00 : PO Pyrrhotite, D Disseminated, 0.5% variable up to ~5% throughout</p> <p>251.50 - 251.80 : Cpy Chalcopyrite, BB Blebby, 1% associated with po</p> <p>251.50 - 251.80 : Cpy Chalcopyrite, D Disseminated, 0.5% associated with po but max of ~1%</p> <p>251.50 - 251.80 : PO Pyrrhotite, BB Blebby, 8% medium-grained in recrystallized host rock</p> <p>251.50 - 251.80 : PY Pyrite, BB Blebby, 2% especially along lower contact</p> <p>Structure</p> <p>65.30 - 65.77 : SHR Shear, 20 Deg to CA major shear with thick serpentine</p> <p>74.66 - 74.68 : SHR Shear, 20 Deg to CA serpentized, good slickensides</p> <p>78.00 - 79.50 parallel to CA, minor carbonate, serpentized</p> <p>88.58 - 88.61 : SHR Shear, 60 Deg to CA serpentized</p> <p>98.70 - 98.97 : FLT Fault, 25 Deg to CA serpentized, good slickensides</p> <p>112.80 - 112.82 : SHR Shear, 30 Deg to CA serpentized</p> <p>113.25 - 113.30 : SHR Shear, 30 Deg to CA serpentized</p> <p>116.25 - 116.30 : FLT Fault, 60 Deg to CA very broken core, large amount of fault gouge</p> <p>117.08 - 117.09 : SHR Shear, 20 Deg to CA serpentized</p> <p>119.00 - 119.01 : SHR Shear, 25 Deg to CA serpentized</p> <p>119.80 - 119.88 : SHR Shear, 20 Deg to CA serpentized</p> <p>121.35 - 121.40 : SHR Shear, 5 Deg to CA serpentized</p> <p>126.00 - 126.80 : FLT Fault, 50 Deg to CA broken core, likely fault, attitude estimated</p> <p>132.84 - 132.87 : SHR Shear, 50 Deg to CA serpentized</p> <p>151.45 - 151.79 : FLT Fault, 15 Deg to CA minor fault, very little alteration</p> <p>158.90 - 159.00 : SHR Shear, 25 Deg to CA LC of minor unit, bx; healed shear</p>							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		Structure							
		161.00 - 166.85 : FLT Fault, 20 Deg to CA large fault zone, CA angle estimated							
		175.70 - 176.00 : FLT Fault, 30 Deg to CA minor fault, moderate serpentinization							
		179.15 - 179.16 : SHR Shear, 5 Deg to CA serpentinized							
		180.20 - 180.50 : SHR Shear, 30 Deg to CA serpentinized							
		201.50 - 202.00 : SHR Shear, 10 Deg to CA							
		203.24 - 203.45 : SHR Shear, 25 Deg to CA serpentinized shear							
		204.55 - 204.65 : SHR Shear, 40 Deg to CA good slickensides in serpentine							
		207.00 - 207.30 subparallel to CA, serpentinized							
		210.10 - 210.35 : SHR Shear, 50 Deg to CA serpentinized							
		224.00 - 224.30 : SHR Shear, 25 Deg to CA serpentinized							
		239.35 - 239.36 : SHR Shear, 40 Deg to CA							
		241.60 - 241.80 : SHR Shear, 15 Deg to CA serpentinized							
		246.75 - 247.00 : SHR Shear, 35 Deg to CA shear zone, serpentinized							
		255.75 - 256.00 : FLT Fault, 60 Deg to CA broken core, no alteration							
		267.75 - 268.00 : FLT Fault, 40 Deg to CA broken core, no alteration							
		277.75 - 278.30 : FLT Fault, 15 Deg to CA multiple generations of movement, serpentinized, some carbonate							
		282.98 - 282.99 : SHR Shear, 15 Deg to CA serpentinized							
		290.25 - 290.70 : FLT Fault, 15 Deg to CA little alteration							
		302.85 - 303.30 : FLT Fault, 50 Deg to CA serpentinized, carbonate-bearing, minor brecciation							
		306.00 - 306.20 : FLT Fault, 30 Deg to CA minor alteration							
		313.23 - 313.24 : SHR Shear, 40 Deg to CA serpentinized, minor carbonate							
		354.70 - 354.80 : SHR Shear, 25 Deg to CA major shear, good slickensides, serpentine + carbonate							
		370.17 - 370.50 : FLT Fault, 25 Deg to CA minor serpentine							
		382.50 - 382.52 : SHR Shear, 60 Deg to CA massive serpentine							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		Structure							
		385.48 - 385.51 : SHR Shear, 70 Deg to CA serpentinized							
		386.85 - 386.95 : SHR Shear, 40 Deg to CA large shear, serpentinized, minor carbonate							
		402.56 - 402.59 : SHR Shear, 35 Deg to CA serpentinized							
		404.25 - 404.40 : SHR Shear, 15 Deg to CA major shear, serpentinized							
		RQD							
		50.80 - 51.70 : 54.40 % RQD 100.00 % Core							
		51.70 - 54.10 : 83.30 % RQD 100.00 % Core							
		54.10 - 55.65 : 67.70 % RQD 100.00 % Core							
		55.65 - 58.80 : 92.10 % RQD 100.00 % Core							
		58.80 - 60.30 : 48.00 % RQD 100.00 % Core							
		60.30 - 62.40 : 85.70 % RQD 100.00 % Core							
		62.40 - 64.80 : 60.80 % RQD 100.00 % Core							
		64.80 - 65.50 : 27.10 % RQD 100.00 % Core							
		65.50 - 66.50 : 23.00 % RQD 100.00 % Core							
		66.50 - 70.70 : 69.80 % RQD 100.00 % Core							
		70.70 - 73.80 : 78.40 % RQD 100.00 % Core							
		73.80 - 75.20 : 35.00 % RQD 100.00 % Core							
		75.20 - 77.80 : 71.90 % RQD 100.00 % Core							
		77.80 - 78.80 : 0.00 % RQD 100.00 % Core							
		78.80 - 80.40 : 75.00 % RQD 100.00 % Core							
		80.40 - 85.90 : 91.60 % RQD 100.00 % Core							
		85.90 - 89.80 : 82.10 % RQD 100.00 % Core							
		89.80 - 95.80 : 98.70 % RQD 100.00 % Core							
		95.80 - 99.40 : 86.90 % RQD 100.00 % Core							
		99.40 - 100.30 : 11.10 % RQD 100.00 % Core							
		100.30 - 102.55 : 77.80 % RQD 100.00 % Core							
		102.55 - 106.20 : 92.40 % RQD 100.00 % Core							
		106.20 - 110.80 : 94.60 % RQD 100.00 % Core							
		110.80 - 112.80 : 92.50 % RQD 100.00 % Core							
		112.80 - 116.80 : 93.30 % RQD 100.00 % Core							
		116.80 - 119.20 : 88.80 % RQD 100.00 % Core							
		119.20 - 120.55 : 63.00 % RQD 100.00 % Core							
		120.55 - 121.70 : 60.90 % RQD 100.00 % Core							
		121.70 - 124.90 : 90.60 % RQD 100.00 % Core							
		124.90 - 126.60 : 44.10 % RQD 100.00 % Core							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD							
		126.60 - 128.90 : 91.30 % RQD 100.00 % Core							
		128.90 - 133.75 : 80.20 % RQD 100.00 % Core							
		133.75 - 137.80 : 92.30 % RQD 100.00 % Core							
		137.80 - 141.30 : 75.40 % RQD 100.00 % Core							
		141.30 - 142.10 : 30.00 % RQD 100.00 % Core							
		142.10 - 144.70 : 83.50 % RQD 100.00 % Core							
		144.70 - 150.30 : 89.30 % RQD 100.00 % Core							
		150.30 - 152.00 : 65.30 % RQD 100.00 % Core							
		152.00 - 153.30 : 20.00 % RQD 100.00 % Core							
		153.30 - 154.90 : 20.60 % RQD 100.00 % Core							
		154.90 - 158.80 : 11.80 % RQD 100.00 % Core							
		158.80 - 161.40 : 71.20 % RQD 100.00 % Core							
		161.40 - 162.55 : 0.00 % RQD 100.00 % Core							
		162.55 - 163.80 : 13.60 % RQD 100.00 % Core							
		163.80 - 165.00 : 8.30 % RQD 100.00 % Core							
		165.00 - 165.70 : 32.90 % RQD 100.00 % Core							
		165.70 - 166.85 : 11.30 % RQD 100.00 % Core							
		166.85 - 170.70 : 92.70 % RQD 100.00 % Core							
		170.70 - 175.95 : 88.10 % RQD 100.00 % Core							
		175.95 - 177.60 : 65.50 % RQD 100.00 % Core							
		177.60 - 179.50 : 57.90 % RQD 100.00 % Core							
		179.50 - 180.70 : 31.70 % RQD 100.00 % Core							
		180.70 - 181.70 : 65.00 % RQD 100.00 % Core							
		181.70 - 185.80 : 97.60 % RQD 100.00 % Core							
		185.80 - 189.55 : 90.70 % RQD 100.00 % Core							
		189.55 - 190.90 : 74.10 % RQD 100.00 % Core							
		190.90 - 193.90 : 85.30 % RQD 100.00 % Core							
		193.90 - 196.45 : 85.10 % RQD 100.00 % Core							
		196.45 - 199.70 : 96.90 % RQD 100.00 % Core							
		199.70 - 200.80 : 23.60 % RQD 100.00 % Core							
		200.80 - 202.00 : 50.80 % RQD 100.00 % Core							
		202.00 - 203.45 : 43.30 % RQD 100.00 % Core							
		203.45 - 204.55 : 74.50 % RQD 100.00 % Core							
		204.55 - 206.40 : 75.70 % RQD 100.00 % Core							
		206.40 - 207.30 : 58.90 % RQD 100.00 % Core							
		207.30 - 208.65 : 34.10 % RQD 100.00 % Core							
		208.65 - 210.35 : 48.20 % RQD 100.00 % Core							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD							
		210.35 - 211.80 : 73.10 % RQD 100.00 % Core							
		211.80 - 212.95 : 60.90 % RQD 100.00 % Core							
		212.95 - 214.45 : 42.70 % RQD 100.00 % Core							
		214.45 - 217.20 : 85.50 % RQD 100.00 % Core							
		217.20 - 219.10 : 71.10 % RQD 100.00 % Core							
		219.10 - 220.55 : 77.20 % RQD 100.00 % Core							
		220.55 - 222.80 : 82.20 % RQD 100.00 % Core							
		222.80 - 224.30 : 54.70 % RQD 100.00 % Core							
		224.30 - 226.85 : 82.40 % RQD 100.00 % Core							
		226.85 - 228.80 : 70.30 % RQD 100.00 % Core							
		228.80 - 233.15 : 96.80 % RQD 100.00 % Core							
		233.15 - 234.70 : 56.10 % RQD 100.00 % Core							
		234.70 - 237.80 : 76.10 % RQD 100.00 % Core							
		237.80 - 242.40 : 76.50 % RQD 100.00 % Core							
		242.40 - 246.40 : 67.00 % RQD 100.00 % Core							
		246.40 - 247.70 : 76.90 % RQD 100.00 % Core							
		247.70 - 250.90 : 83.10 % RQD 100.00 % Core							
		250.90 - 254.45 : 77.70 % RQD 100.00 % Core							
		254.45 - 258.95 : 76.20 % RQD 100.00 % Core							
		258.95 - 262.85 : 73.60 % RQD 100.00 % Core							
		262.85 - 266.80 : 84.20 % RQD 100.00 % Core							
		266.80 - 270.80 : 75.30 % RQD 100.00 % Core							
		270.80 - 275.50 : 96.90 % RQD 100.00 % Core							
		275.50 - 276.65 : 77.40 % RQD 100.00 % Core							
		276.65 - 278.30 : 40.00 % RQD 100.00 % Core							
		278.30 - 281.80 : 87.10 % RQD 100.00 % Core							
		281.80 - 285.00 : 82.20 % RQD 100.00 % Core							
		285.00 - 288.50 : 0.00 % RQD 100.00 % Core							
		288.50 - 290.70 : 83.10 % RQD 100.00 % Core							
		290.70 - 294.00 : 90.90 % RQD 100.00 % Core							
		294.00 - 299.60 : 92.30 % RQD 100.00 % Core							
		299.60 - 303.80 : 82.10 % RQD 100.00 % Core							
		303.80 - 305.90 : 73.80 % RQD 100.00 % Core							
		305.90 - 306.10 : 0.00 % RQD 100.00 % Core							
		306.10 - 308.20 : 83.30 % RQD 100.00 % Core							
		308.20 - 311.80 : 94.40 % RQD 100.00 % Core							
		311.80 - 317.80 : 92.60 % RQD 100.00 % Core							

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From (m)	To (m)	Lithology	Sample Number	From (m)	To (m)	Length (m)	Ni%	Cu%	Co%
		RQD							
		317.80 - 323.80 : 90.00 % RQD 100.00 % Core							
		323.80 - 327.50 : 89.50 % RQD 100.00 % Core							
		327.50 - 332.80 : 97.00 % RQD 100.00 % Core							
		332.80 - 338.80 : 100.00 % RQD 100.00 % Core							
		338.80 - 344.15 : 98.10 % RQD 100.00 % Core							
		344.15 - 347.25 : 93.90 % RQD 100.00 % Core							
		347.25 - 351.70 : 97.80 % RQD 100.00 % Core							
		351.70 - 356.45 : 76.80 % RQD 100.00 % Core							
		356.45 - 358.55 : 64.80 % RQD 100.00 % Core							
		358.55 - 362.80 : 91.80 % RQD 100.00 % Core							
		362.80 - 368.80 : 94.70 % RQD 100.00 % Core							
		368.80 - 371.25 : 40.80 % RQD 100.00 % Core							
		371.25 - 375.50 : 84.20 % RQD 100.00 % Core							
		375.50 - 378.50 : 73.70 % RQD 100.00 % Core							
		378.50 - 382.30 : 94.20 % RQD 100.00 % Core							
		382.30 - 386.80 : 93.30 % RQD 100.00 % Core							
		386.80 - 392.60 : 80.70 % RQD 100.00 % Core							
		392.60 - 396.70 : 97.80 % RQD 100.00 % Core							
		396.70 - 399.75 : 90.80 % RQD 100.00 % Core							
		399.75 - 403.05 : 84.20 % RQD 100.00 % Core							
		403.05 - 404.40 : 62.20 % RQD 100.00 % Core							
		404.40 - 406.70 : 70.90 % RQD 100.00 % Core							
		406.70 - 410.80 : 100.00 % RQD 100.00 % Core							
		410.80 - 416.90 : 90.50 % RQD 100.00 % Core							
		416.90 - 420.50 : 99.40 % RQD 100.00 % Core							
		MINOR INTERVALS:							
		Minor Interval:							
		99 - 100.55 MD, Mafic Dike							
		Fine-grained, homogeneous, non-foliated, non-mineralized.							
		UC: sheare, LC: marked by ~45cm plagioclase +-qz.							
		Minor Interval:							
		125 - 126.6 4, Anorthosite / Anorthosite Gabbro							
		Pegmatitic unit, UC: sharp 50, LC is brecciated							
		Minor Interval:							
		140.3 - 144.6 MD, Mafic Dike							
		Fine-grained, homogeneous, non-foliated, non-mineralized, non-magnetic.							
		The contacts are sharp but irregular and are marked by qz-plagioclase sweats.							

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		MINOR INTERVALS: Minor Interval: 153.8 - 154.9 4, Anorthosite / Anorthosite Gabbro Pegmatitic sweat Minor Interval: 253.2 - 256.2 5, Undivided Metasediments gneiss sliver; UC sheared 80, LC sharp 60							