

Hole Number: ES07-128

Units: METRIC

| | | | |
|----------------------------------|-------------------------------------|------------------------------------|---------------------------------|
| Project Name: Norway - Espedalen | Primary Coordinates Grid: UTM84-32N | Destination Coordinates Grid: UTM: | Collar Dip: -65.00 |
| Project Number: 201 | North: 6801127.00 | North: 61.34 | Collar Az: 230.00 |
| Location: Stormyra | East: 535381.00 | East: 9.66 | Length: 124.61 (m) |
| | Elev: 975.00 | Elev: 975.00 | Start Depth: 0.00 (m) |
| Date Started: Nov 25, 2007 | Collar Survey: N | Plugged: N | Contractor: Arctic Drilling A/S |
| Date Completed: | Multishot Survey: N | Hole Size: TT46 | Core Storage: Tyrstrand |
| Logged By: awnor | Pulse EM Survey: N | Casing: Left in Hole | Final Depth: 124.61 (m) |

Comments: Target: Test 30m up dip of ES2005-31 - narrow sulphide stringers in Anorth. - on 11700E
 Result: Hit 16% Sulphides/2.4m @64.4m w/ 8% Po, 4% Pn and 5% Cpy.

Sample Averages

| Average Type | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
|--------------|----------|--------|------------|--------|--------|--------|
| WEIGHTED | 64.40 | 66.80 | 2.40 | 1.1944 | 0.5844 | 0.0440 |

| Detailed Lithology | | Assay Data | | | | | | | |
|--------------------|--------|---|---------------|----------|--------|------------|-----|-----|-----|
| From (m) | To (m) | Lithology | Sample Number | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
| 0 | 10.50 | O/B, Overburden | | | | | | | |
| 10.50 | 17.00 | MD, Mafic Dyke MD, Mafic Dyke ROD 50% very broken up, kind of rusty looking for the first 2m, then medium green colored, fine grained mafic dyke. 15.6-17.0m there is a 2.4m Anorthosite quite mottled looking. grey, green The upper contact to the mafic dyke at 15.6m is fractured at 45CA. 16.1-16.6m there are multiple fractures in the ANOR at 30-45CA | | | | | | | |
| 17.00 | 17.90 | FLT, Fault MD, Mafic Dyke - Fault Zone starts with lots of broken pieces, goes into some pebble sized core. then there are about 30cm core lost, then going into broken pieces - rusty looking again. | | | | | | | |
| 17.90 | 23.15 | MD, Mafic Dyke MD, Mafic Dyke rest of the faulted interval is still kind of broken up but not as bad anymore. 18.70-21.05m there is some Anorthosite, quite mottled looking. Upper contact to the mafic duke is at 85CA and is quite fractured for about 10cm into the Anorthosite along 75CA. 21.05-23.15m the mafic dyke is quite solid - not broken up anymore. | | | | | | | |

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| Detailed Lithology | | Lithology | Assay Data | | | | | | |
|--------------------|--------|--|---------------|----------|--------|------------|--------|--------|--------|
| From (m) | To (m) | | Sample Number | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
| 23.15 | 45.80 | ANOR, Anorthosite ANOR, Anorthosite Quite colorful looking Anorthosite - 23.15-25.0m grey/purple lensoid banded 25.0-27.55m more brecciated/mottled grey/green (light green/Epidote and dark green/Chlorite) 27.55-32.3m lensoid banded/mottled grey/purple with some light green Epidote mixed in 32.3-38.5m lensoid banded grey/light green 38.5-40.7m medium green, fine grained mafic dyke with the upper contact at 85CA and the lower contact at 80CA. 40.7-45.8m alternating grey/purple/light green lensoid banded with up to 60cm bands of (more Quartz rich?) brecciated/mottled pinkish/greenish looking Anorthosite. Structure 23.80 - 24.00 multiple fractures at 60-70CA 26.40 - 26.50 multiple fractures along 60-75CA 27.00 - 27.20 multiple fractures along 60-85CA 30.80 - 31.10 quite some broken core along 50CA fractures 32.10 - 32.11 34.20 - 34.20 : Frct Fracture, 45 Deg to CA 44.57 - 45.80 multiple fractures along 50-85CA | | | | | | | |
| 45.80 | 47.00 | MD, Mafic Dike MD, Mafic Dyke Some quite fractured mafic dyke along 25-50CA, leading straight into a fault zone with RQD 0 over 1m. | | | | | | | |
| 47.00 | 48.00 | FLT, Fault Fault zone with RQD 0 over 1m in mafic dyke | | | | | | | |
| 48.00 | 56.80 | MD, Mafic Dike MD, Mafic Dyke 48.0-48.8m mafic dyke 48.8-51.3m white/grey/green mottled/lensoid banded Anorthosite. Upper contact is at 85CA. Lower contact is along 80CA. 51.3-56.8m fine grained, dark green mafic dyke with 85% fine grained pyroxene and 15% fine grained Plagioclase. From 54.5 to the end quite rusty red looking with multiple fractures along 25-35CA. | | | | | | | |
| 56.80 | 64.40 | ANOR, Anorthosite ANOR, Anorthosite White/green/grey lensoid banded to brecciated looking Anorthosite with about 60% Plagioclase and 35% Chlorite/Epidote. | PG05742 | 63.00 | 63.70 | 0.70 | 0.0060 | 0.0025 | 0.0020 |
| | | | PG05743 | 63.70 | 64.40 | 0.70 | 0.0110 | 0.0025 | 0.0020 |

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|--------------------|--------|--|---------------|----------|--------|------------|--------|--------|--------|
| From (m) | To (m) | Lithology | Sample Number | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
| 64.40 | 82.80 | MD, Mafic Dike | PG05744 | 64.40 | 65.00 | 0.60 | 1.2860 | 0.4540 | 0.0450 |
| | | MD, Mafic Dyke | PG05745 | 65.00 | 65.50 | 0.50 | 1.4770 | 0.9320 | 0.0500 |
| | | 64.4-66.8m mineralized mafic dyke - coarser grained than usual. 15% Sulphides/2.4m with about 6% Cpy, 8% Po and 3% Pn. The mineralization texture is veinlets and stringers (for more information see mineralization and samples). Upper contact is at 85CA. | PG05746 | 65.50 | 66.00 | 0.50 | 0.9890 | 0.6370 | 0.0330 |
| | | | PG05747 | 66.00 | 66.40 | 0.40 | 0.9920 | 0.4220 | 0.0410 |
| | | | PG05748 | 66.40 | 66.80 | 0.40 | 1.1630 | 0.4420 | 0.0520 |
| | | | PG05749 | 66.80 | 67.50 | 0.70 | 0.0170 | 0.0120 | 0.0040 |
| | | 66.8-82.8m fine grained mafic dyke intercalated with the odd band of lensoid banded grey/white Anorthosite (50cm-2m). Lower contact along 90CA. | PG05750 | 67.50 | 68.20 | 0.70 | 0.0080 | 0.0120 | 0.0030 |
| | | Mineralization | | | | | | | |
| | | 65.00 - 65.50 : POPNCP Pyrrhotite/Pentlandite/Chalcopyrite, VN Veins, 20% | | | | | | | |
| | | 8% Cpy, 8% Po, 4% Pn | | | | | | | |
| | | 66.00 - 66.40 : POPNCP Pyrrhotite/Pentlandite/Chalcopyrite, VN Veins, 15% | | | | | | | |
| | | 3% Cpy, 8% Po, 4% Pn | | | | | | | |
| | | 64.40 - 65.00 : POPNCP Pyrrhotite/Pentlandite/Chalcopyrite, VN Veins, 15% | | | | | | | |
| | | 5% Cpy, 6% Po, 4% Pn | | | | | | | |
| | | 65.50 - 66.00 : POPNCP Pyrrhotite/Pentlandite/Chalcopyrite, VN Veins, 15% | | | | | | | |
| | | 4% Cpy, 8% Po, 3% Pn | | | | | | | |
| | | 66.40 - 66.80 : POPNCP Pyrrhotite/Pentlandite/Chalcopyrite, VN Veins, 15% | | | | | | | |
| | | 3% Cpy, 8% Po, 3% Pn | | | | | | | |
| | | MINOR INTERVALS: | | | | | | | |
| | | Minor Interval: | | | | | | | |
| | | 64.4 - 66.8 SMS, Semi Massive Sulphide | | | | | | | |
| | | 16% Sulphides/2.4m with 8% Po, 4% Pn and 5% Cpy in from of veins and stringers hosted in mafic dyke. | | | | | | | |
| 82.80 | 103.50 | ANOR, Anorthosite | | | | | | | |
| | | ANOR, Anorthosite | | | | | | | |
| | | White/grey/light green lensoid banded to brecciated looking Anorthosite with about 75% Plagioclase, 10% Epidote, 5% Chlorite, 5% Quartz and 5% Hematite/Ankerite? | | | | | | | |
| | | Structure | | | | | | | |
| | | 84.20 - 84.20 : F Fractured, 45 Deg to CA | | | | | | | |
| | | 94.30 - 94.45 : F Fractured, 85 Deg to CA | | | | | | | |
| | | multiple fractures in mafic dyke | | | | | | | |
| | | 101.50 - 101.80 : FLT Fault, 45 Deg to CA | | | | | | | |
| | | fault/gouge zone | | | | | | | |
| | | 103.30 - 103.50 : FLT Fault, 35 Deg to CA | | | | | | | |
| | | fault/gouge zone | | | | | | | |

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| Detailed Lithology | | Lithology | Assay Data | | | | | | |
|--------------------|--------|--|---------------|----------|--------|------------|-----|-----|-----|
| From (m) | To (m) | | Sample Number | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
| 103.50 | 107.95 | MD, Mafic Dike MD, Mafic Dyke Medium green, fine grained mafic dyke with 75% Pyroxene and 25% Plagioclase. Upper contact is faulted with a 3cm gouge zone, lower contact at 85CA. | | | | | | | |
| 107.95 | 124.60 | ANOR, Anorthosite ANOR, Anorthosite White/grey/light green and dark green mostly lensoid banded Anorthosite with 75% Plagioclase, 5% Epidote, 10% Chlorite and 5% Quartz. There are some very short bands of mafic dyke (1-5cm) - not mineralized. Structure 109.70 - 109.80 : F Fractured, 5 Deg to CA multiple fractures along 05CA 110.50 - 110.90 : Frct Fracture, 5 Deg to CA there is a healed fracture along 05CA 112.60 - 112.70 10cm of only tiny core pieces (up to 2cm) | | | | | | | |
| 124.60 | 124.61 | EOH, End of Hole | | | | | | | |

Samples

| Sample Number | From (m) | To (m) | Ni% | Cu% | Co% |
|---------------|----------|--------|--------|--------|--------|
| Sample Type | ASSAY | | | | |
| PG05742 | 63.00 | 63.70 | 0.0060 | 0.0025 | 0.0020 |
| PG05743 | 63.70 | 64.40 | 0.0110 | 0.0025 | 0.0020 |
| PG05744 | 64.40 | 65.00 | 1.2860 | 0.4540 | 0.0450 |
| PG05745 | 65.00 | 65.50 | 1.4770 | 0.9320 | 0.0500 |
| PG05746 | 65.50 | 66.00 | 0.9890 | 0.6370 | 0.0330 |
| PG05747 | 66.00 | 66.40 | 0.9920 | 0.4220 | 0.0410 |
| PG05748 | 66.40 | 66.80 | 1.1630 | 0.4420 | 0.0520 |
| PG05749 | 66.80 | 67.50 | 0.0170 | 0.0120 | 0.0040 |
| PG05750 | 67.50 | 68.20 | 0.0080 | 0.0120 | 0.0030 |