

Hole Number: ES08-165

Units: METRIC

| | | | |
|----------------------------------|-------------------------------------|------------------------------------|---------------------------------|
| Project Name: Norway - Espedalen | Primary Coordinates Grid: UTM84-32N | Destination Coordinates Grid: UTM: | Collar Dip: -74.90 |
| Project Number: 201 | North: 6805313.00 | North: 61.38 | Collar Az: 233.60 |
| Location: Surface | East: 533906.00 | East: 9.63 | Length: 170.61 (m) |
| | Elev: 759.00 | Elev: 759.00 | Start Depth: 0.00 (m) |
| Date Started: Jun 13, 2008 | Collar Survey: N | Plugged: N | Contractor: Arctic Drilling A/S |
| Date Completed: Jun 16, 2008 | Multishot Survey: N | Hole Size: BQ | Core Storage: Tyrstrand |
| Logged By: cmnor | Pulse EM Survey: N | Casing: Left in Hole | Final Depth: 170.61 (m) |

Comments: 50m along strike to the NW of ESP_DAL_P2"C"

Sample Averages

| Detailed Lithology | | Assay Data | | | | | | | |
|--------------------|--------|---|---------------|----------|--------|------------|-----|-----|-----|
| From (m) | To (m) | Lithology | Sample Number | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
| 0 | 14.00 | O/B, Overburden | | | | | | | |
| 14.00 | 53.00 | ANOR, Anorthosite ANORTHOSITE -white to grey, fine to medium grained -pale green sericitized feldspars -black magnetite blebs @ 26.0 (unit moderately magnetic) 29.35 - 30.0m sericite banding/alteration @ 65 degrees to CA with local 40cm mafic dyke -minor fractures and faults -LC @ 20 degrees to CA -unit not mineralized Alteration 29.35 - 30.00 :SE Sericite, BN Banded, S Strong Structure 23.40 - 23.40 : FLT Fault, 45 Deg to CA 28.13 - 28.13 : FLT Fault, 45 Deg to CA 28.70 - 28.70 : FLT Fault, 45 Deg to CA 47.42 - 47.42 : FLT Fault, 20 Deg to CA local 20cm mafic dyke | | | | | | | |
| 53.00 | 60.30 | DIA, Diabase DIABASE? (VERY MAFIC) -grey to dark grey, medium grained -UC @ 20 degrees to CA - 1-5mm Plagioclase laths throughout unit -minor green sericitic stringers -LC @ 50 degrees to CA with local sericitic alteraton Unit not mineralized | | | | | | | |

DETAILED LOG

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| Detailed Lithology | | Assay Data | | | | | | | |
|--------------------|--------|---|---------------|----------|--------|------------|--------|--------|--------|
| From (m) | To (m) | Lithology | Sample Number | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
| 60.30 | 77.60 | ANOR, Anorthosite ANORTHOSITE (same as above unit) -UC @ 50 degrees to CA -minor faults and fractures throughout Unit is not Mineralized Structure 62.70 - 62.70 : G Gouge, 90 Deg to CA 69.50 - 69.50 : FLT Fault, 75 Deg to CA 74.70 - 74.70 : FLT Fault, 30 Deg to CA 77.30 - 77.30 : FLT Fault, 30 Deg to CA | | | | | | | |
| 77.60 | 98.35 | DIA, Diabase DIABASE? -grey to grey green, fine to medium grained -UC faulted @ 45 degrees to CA - foliated between 40 - 55 degrees to CA -minor green sericitic stringers -core has broken sections throughout entire unit -LC faulted (broken core) Unit not mineralized Mineralization 77.60 - 98.35 : PO Pyrrhotite, DIS Disseminated, 1% 1-2% Po, local to mineralized pyxt Structure 89.75 - 89.75 : FLT Fault, 0.05 Deg to CA | BL00644 | 77.60 | 79.20 | 1.60 | 0.0060 | 0.0100 | 0.0040 |
| | | | BL00645 | 79.20 | 80.20 | 1.00 | 0.0010 | 0.0025 | 0.0020 |
| | | | BL00646 | 80.20 | 81.20 | 1.00 | 0.0005 | 0.0025 | 0.0020 |
| | | | BL00647 | 81.20 | 82.20 | 1.00 | 0.0005 | 0.0025 | 0.0020 |
| | | | BL00648 | 82.20 | 83.20 | 1.00 | 0.0005 | 0.0050 | 0.0020 |
| | | | BL00649 | 83.20 | 84.20 | 1.00 | 0.0005 | 0.0025 | 0.0020 |
| | | | BL00650 | 84.20 | 85.20 | 1.00 | 0.0005 | 0.0025 | 0.0020 |
| | | | BL00651 | 85.20 | 86.20 | 1.00 | 0.0005 | 0.0050 | 0.0020 |
| | | | BL00652 | 86.20 | 87.20 | 1.00 | 0.0010 | 0.0050 | 0.0020 |
| | | | BL00653 | 87.20 | 88.20 | 1.00 | 0.0010 | 0.0060 | 0.0030 |
| | | | BL00654 | 88.20 | 89.20 | 1.00 | 0.0010 | 0.0060 | 0.0020 |
| | | | BL00655 | 89.20 | 90.20 | 1.00 | 0.0020 | 0.0080 | 0.0020 |
| | | | BL00656 | 90.20 | 91.20 | 1.00 | 0.0010 | 0.0070 | 0.0020 |
| | | | BL00657 | 91.20 | 92.20 | 1.00 | 0.0010 | 0.0070 | 0.0020 |
| | | | BL00658 | 92.20 | 93.20 | 1.00 | 0.0010 | 0.0070 | 0.0030 |
| | | | BL00659 | 93.20 | 94.20 | 1.00 | 0.0020 | 0.0070 | 0.0030 |
| | | | BL00661 | 94.20 | 95.20 | 1.00 | 0.0050 | 0.0210 | 0.0040 |
| | | | BL00662 | 95.20 | 96.20 | 1.00 | 0.0020 | 0.0160 | 0.0030 |
| | | | BL00663 | 96.20 | 97.20 | 1.00 | 0.0050 | 0.0350 | 0.0050 |
| | | | BL00664 | 97.20 | 98.20 | 1.00 | 0.0020 | 0.0160 | 0.0030 |
| | | | BL00665 | 98.20 | 99.20 | 1.00 | 0.2710 | 0.1120 | 0.0230 |

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| Detailed Lithology | | Lithology | Assay Data | | | | | | |
|--------------------|--------|--|---------------|----------|--------|------------|--------|--------|--------|
| From (m) | To (m) | | Sample Number | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
| 98.35 | 102.33 | PYXT, Pyroxenite | BL00666 | 99.20 | 100.20 | 1.00 | 0.1900 | 0.0870 | 0.0180 |
| | | PYROXENITE | BL00667 | 100.20 | 100.83 | 0.63 | 0.6530 | 0.1830 | 0.0540 |
| | | -dark grey to black, fine to medium grained | BL00668 | 100.83 | 101.83 | 1.00 | 0.7930 | 0.1560 | 0.0650 |
| | | -minor intresections of a more mafic component | BL00669 | 101.83 | 102.33 | 0.50 | 0.7220 | 0.2020 | 0.0580 |
| | | -1-4mm fine grained opx | | | | | | | |
| | | -strongly magnetic | | | | | | | |
| | | -LC faulted (broken core) | | | | | | | |
| | | Mineralization | | | | | | | |
| | | 77.60 - 85.20 trace - 1% diss Po, Cpy | | | | | | | |
| | | Mineralization | | | | | | | |
| | | 100.83 - 102.33 : PO Pyrrhotite, BL Blebby, 15% | | | | | | | |
| | | 15-20% net textured to blebby Po | | | | | | | |
| | | 100.83 - 101.83 : PO Pyrrhotite, BL Blebby, 20% | | | | | | | |
| | | ~20% net textured to blebby Po | | | | | | | |
| | | 100.20 - 100.83 : PO Pyrrhotite, Net Net Textured, 10% | | | | | | | |
| | | 98.35 - 100.20 : PO Pyrrhotite, DIS Disseminated, 1% | | | | | | | |
| | | Structure | | | | | | | |
| | | 99.15 - 99.15 : FLT Fault, 45 Deg to CA | | | | | | | |
| | | 100.35 - 100.35 : FLT Fault, 60 Deg to CA | | | | | | | |

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| Detailed Lithology | | Lithology | Assay Data | | | | | | |
|--------------------|--------|--|---------------|----------|--------|------------|--------|---------|--------|
| From (m) | To (m) | | Sample Number | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
| 102.33 | 115.12 | ANOR, Anorthosite ANORTHOSITE -grey and white, fine to medium grained -UC faulted @ 65 degrees to CA -minor intersections of a more mafic component (core becomes darker) -moderately magnetic Mineralization 106.70 - 107.28 3-4% Po, trace - 1% Cpy 110.52 - 112.0 2-4% Po, trace - 1% Cpy 112.75 - 113.07 2-3% Po 113.37 - 113.67 10cm SEMI MASSIVE SULPHIDES - 60% Po 114.07 - 114.43 SEMI MASSIVE SULPHIDES 60 - 70% Cpy, 5% Po 115.12 - 115.60 10% net textured to blebby Po <2% Cpy Mineralization 113.67 - 114.07 : PO Pyrrhotite, TR Trace, 0.5% 114.43 - 115.12 : PO Pyrrhotite, BL Blebby, 10% ~10% Po, <2% Cpy 113.37 - 113.67 : PO Pyrrhotite, SM Semi-Massive, 60% 10cm massive Po, blebby in rest of sample 113.07 - 113.37 : PO Pyrrhotite, TR Trace, 0.5% 112.75 - 113.07 : PO Pyrrhotite, DIS Disseminated, 3% 2-3% Po 112.07 - 112.75 : PO Pyrrhotite, TR Trace, 0.5% trace Po 110.52 - 112.00 : PO Pyrrhotite, DIS Disseminated, 3% 2-4% diss Po, trace Cpy 106.70 - 107.28 : PO Pyrrhotite, BL Blebby, 4% 3-4% net textured to blebby Po 102.33 - 106.70 : PO Pyrrhotite, TR Trace, 0.5% trace Po in wings 114.07 - 114.43 : Cpy Chalcopyrite, Mass Massive, 60% Massive Sulphides; 60% Cpy, 5% Po | BL00670 | 102.33 | 102.83 | 0.50 | 0.0520 | 0.0120 | 0.0030 |
| | | | BL00671 | 102.83 | 103.83 | 1.00 | 0.0350 | 0.0220 | 0.0030 |
| | | | BL00672 | 103.83 | 105.20 | 1.37 | 0.0910 | 0.0830 | 0.0070 |
| | | | BL00673 | 105.20 | 106.20 | 1.00 | 0.0350 | 0.0170 | 0.0030 |
| | | | BL00674 | 106.20 | 106.70 | 0.50 | 0.0140 | 0.0060 | 0.0020 |
| | | | BL00675 | 106.70 | 107.28 | 0.58 | 0.2900 | 0.1820 | 0.0210 |
| | | | BL00676 | 107.28 | 107.80 | 0.52 | 0.0710 | 0.0310 | 0.0050 |
| | | | BL00677 | 107.80 | 108.80 | 1.00 | 0.0540 | 0.0550 | 0.0040 |
| | | | BL00678 | 108.80 | 109.67 | 0.87 | 0.0090 | 0.0025 | 0.0020 |
| | | | BL00679 | 109.67 | 110.52 | 0.85 | 0.0290 | 0.0140 | 0.0030 |
| | | | BL00681 | 110.52 | 111.02 | 0.50 | 0.0290 | 0.0140 | 0.0030 |
| | | | BL00682 | 111.02 | 112.00 | 0.98 | 0.1540 | 0.1680 | 0.0120 |
| | | | BL00683 | 112.00 | 112.75 | 0.75 | 0.1170 | 0.0940 | 0.0090 |
| | | | BL00684 | 112.75 | 113.07 | 0.32 | 0.2260 | 0.2420 | 0.0170 |
| | | | BL00685 | 113.07 | 113.37 | 0.30 | 0.0920 | 0.1250 | 0.0080 |
| | | | BL00686 | 113.37 | 113.67 | 0.30 | 1.3440 | 0.2380 | 0.0950 |
| | | | BL00687 | 113.67 | 114.07 | 0.40 | 0.1650 | 0.1600 | 0.0130 |
| | | | BL00688 | 114.07 | 114.43 | 0.36 | 0.3920 | 11.7120 | 0.0310 |
| | | | BL00689 | 114.43 | 114.82 | 0.39 | 0.0360 | 0.0280 | 0.0030 |
| | | | BL00690 | 114.82 | 115.12 | 0.30 | 0.1620 | 0.3050 | 0.0120 |
| 115.12 | 142.12 | MD, Mafic Dike MAFIC DYKE? DIABASE? -grey to grey green and fine to medium grained -foliation ranges from 45 to 60 degrees to CA -minor qtz-carb stringers throughout (mostly local to fractures) -minor fractures and faults throughout -unit becomes more fine grained near lower contact -LC faulted @ 35 degrees to CA with trace Py Unit is not Mineralized | BL00691 | 115.12 | 115.60 | 0.48 | 0.4660 | 0.5480 | 0.0340 |
| | | | BL00692 | 115.60 | 116.10 | 0.50 | 0.0410 | 0.1640 | 0.0060 |
| | | | BL00693 | 116.10 | 117.10 | 1.00 | 0.0090 | 0.0190 | 0.0040 |

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| Detailed Lithology | | Lithology | Assay Data | | | | | | |
|--------------------|--------|--|---------------|----------|--------|------------|-----|-----|-----|
| From (m) | To (m) | | Sample Number | From (m) | To (m) | Length (m) | Ni% | Cu% | Co% |
| 142.12 | 160.55 | ANOR, Anorthosite ANORTHOSITE (similar to units above) -light grey to white in color and fine to medium grained -UC faulted @ 30 degrees to CA -green sericite stringers mainly near upper contact and deminish with depth Unit not Mineralized | | | | | | | |
| 160.55 | 170.60 | MD, Mafic Dike MAFIC DYKE -grey to green in color, medium grained -UC faulted @ 50 degrees to CA -foliation ranges from 55-65 degrees to CA -minor qtz-carb stringers ranging from 55-65 degrees to CA -minor sericitic stringers Unit is not Mineralized | | | | | | | |
| 170.60 | 170.61 | EOH, End of Hole | | | | | | | |

Samples

| Sample Number | From (m) | To (m) | Ni% | Cu% | Co% |
|---------------|----------|--------|--------|--------|--------|
| Sample Type | ASSAY | | | | |
| BL00644 | 77.60 | 79.20 | 0.0060 | 0.0100 | 0.0040 |
| BL00645 | 79.20 | 80.20 | 0.0010 | 0.0025 | 0.0020 |
| BL00646 | 80.20 | 81.20 | 0.0005 | 0.0025 | 0.0020 |
| BL00647 | 81.20 | 82.20 | 0.0005 | 0.0025 | 0.0020 |
| BL00648 | 82.20 | 83.20 | 0.0005 | 0.0050 | 0.0020 |
| BL00649 | 83.20 | 84.20 | 0.0005 | 0.0025 | 0.0020 |
| BL00650 | 84.20 | 85.20 | 0.0005 | 0.0025 | 0.0020 |
| BL00651 | 85.20 | 86.20 | 0.0005 | 0.0050 | 0.0020 |
| BL00652 | 86.20 | 87.20 | 0.0010 | 0.0050 | 0.0020 |
| BL00653 | 87.20 | 88.20 | 0.0010 | 0.0060 | 0.0030 |
| BL00654 | 88.20 | 89.20 | 0.0010 | 0.0060 | 0.0020 |
| BL00655 | 89.20 | 90.20 | 0.0020 | 0.0080 | 0.0020 |
| BL00656 | 90.20 | 91.20 | 0.0010 | 0.0070 | 0.0020 |
| BL00657 | 91.20 | 92.20 | 0.0010 | 0.0070 | 0.0020 |
| BL00658 | 92.20 | 93.20 | 0.0010 | 0.0070 | 0.0030 |
| BL00659 | 93.20 | 94.20 | 0.0020 | 0.0070 | 0.0030 |
| BL00661 | 94.20 | 95.20 | 0.0050 | 0.0210 | 0.0040 |
| BL00662 | 95.20 | 96.20 | 0.0020 | 0.0160 | 0.0030 |
| BL00663 | 96.20 | 97.20 | 0.0050 | 0.0350 | 0.0050 |
| BL00664 | 97.20 | 98.20 | 0.0020 | 0.0160 | 0.0030 |

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Samples

| Sample Number | From (m) | To (m) | Ni% | Cu% | Co% |
|---------------|----------|--------|--------|---------|--------|
| Sample Type | ASSAY | | | | |
| BL00665 | 98.20 | 99.20 | 0.2710 | 0.1120 | 0.0230 |
| BL00666 | 99.20 | 100.20 | 0.1900 | 0.0870 | 0.0180 |
| BL00667 | 100.20 | 100.83 | 0.6530 | 0.1830 | 0.0540 |
| BL00668 | 100.83 | 101.83 | 0.7930 | 0.1560 | 0.0650 |
| BL00669 | 101.83 | 102.33 | 0.7220 | 0.2020 | 0.0580 |
| BL00670 | 102.33 | 102.83 | 0.0520 | 0.0120 | 0.0030 |
| BL00671 | 102.83 | 103.83 | 0.0350 | 0.0220 | 0.0030 |
| BL00672 | 103.83 | 105.20 | 0.0910 | 0.0830 | 0.0070 |
| BL00673 | 105.20 | 106.20 | 0.0350 | 0.0170 | 0.0030 |
| BL00674 | 106.20 | 106.70 | 0.0140 | 0.0060 | 0.0020 |
| BL00675 | 106.70 | 107.28 | 0.2900 | 0.1820 | 0.0210 |
| BL00676 | 107.28 | 107.80 | 0.0710 | 0.0310 | 0.0050 |
| BL00677 | 107.80 | 108.80 | 0.0540 | 0.0550 | 0.0040 |
| BL00678 | 108.80 | 109.67 | 0.0090 | 0.0025 | 0.0020 |
| BL00679 | 109.67 | 110.52 | 0.0290 | 0.0140 | 0.0030 |
| BL00681 | 110.52 | 111.02 | 0.0290 | 0.0140 | 0.0030 |
| BL00682 | 111.02 | 112.00 | 0.1540 | 0.1680 | 0.0120 |
| BL00683 | 112.00 | 112.75 | 0.1170 | 0.0940 | 0.0090 |
| BL00684 | 112.75 | 113.07 | 0.2260 | 0.2420 | 0.0170 |
| BL00685 | 113.07 | 113.37 | 0.0920 | 0.1250 | 0.0080 |
| BL00686 | 113.37 | 113.67 | 1.3440 | 0.2380 | 0.0950 |
| BL00687 | 113.67 | 114.07 | 0.1650 | 0.1600 | 0.0130 |
| BL00688 | 114.07 | 114.43 | 0.3920 | 11.7120 | 0.0310 |
| BL00689 | 114.43 | 114.82 | 0.0360 | 0.0280 | 0.0030 |
| BL00690 | 114.82 | 115.12 | 0.1620 | 0.3050 | 0.0120 |
| BL00691 | 115.12 | 115.60 | 0.4660 | 0.5480 | 0.0340 |
| BL00692 | 115.60 | 116.10 | 0.0410 | 0.1640 | 0.0060 |
| BL00693 | 116.10 | 117.10 | 0.0090 | 0.0190 | 0.0040 |