INTEX
RESOURCES

Report on

Molybdenite mineralisation in the Ramnes cauldron, Vestfold, 2006-07.

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Two sections

A. Report on field work 2006

B. Report on exploration drilling 2007

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SUMMARY

Molybdenite mineralisation's in the Ramnes Caldera have been known since Norsk Hydro explored the area in the 1970-80' ties. As a part of Intex Resources ASA's (former Crew Minerals ASA) strategy to focus on molybdenite porphyry occurrences in the Oslo Region the northern part of the Ramnes Caldera and adjacent sub areas were claimed in 2006.

In 2006, Intex Resources ASA visited all known and described molybdenum occurrences in the area and carried out geologic mapping and sampling of the main mineralised areas with the aim of defining drill targets to test the mineralisation's at depth.

Surface samples from the Tronka, Ilestadvannet and Solberg areas returned high-grade molybdenite values with molybdenite mineralisation's located in sericite-clay-pyrite altered rhyolite and porphyritic syenitic ring dyke along the north-western rim of the caldera. Molybdenite was mostly found in sericitic veins, fracture fillings, in breccias and as dissimination but no stockwork mineralisation was observed on surface. High-grade enrichments of sphalerite, galena and silver are associated with the molybdenite mineralisation at several locations.

The critical question regarding the Ramnes molybdenum mineralisation is if a buried porphyry system with stockwork development occurs towards depth below the rhyolite or weather the molybdenite-impregnated rhyolite found on surface develops towards depth with grades high enough to define an economic potential.

To test the economic potential of the mineralisation at depth a drill programme was initiated in 2007 with two drill holes in the Tronka area, two drill holes in the Ilestadvannet area and two drill holes in the Kjønnerød area. A total of 1,723 meters were drilled.

In the Tronka area, DH 1 and DH 2 were placed perpendicular to the molybdenite veins mapped at surface. The drill holes intersected mainly rhyolite, porphyritic ring dyke syenite and diabase dyke. In the Ilestadvannet area, DH 3 was drilled to test the surface high-grade mineralisation at depth and intersected mainly the Stulsås Formation. DH 8 was drilled to test a second more easterly soil anomaly and to obtain a deeper intersection of the rhyolite. At Kjønnerød, DH 5 and DH 6 intersected the rhyolite beneath two distinct surface molybdenum soil anomalies.

Best drill results were obtained from the Kjønnerød area where DH 5 returned 569 ppm MoS_2 over 20 meters and DH 6 returned 878 ppm MoS_2 over 15 meters.

None of the drill holes intersected a proper molybdenum stockwork mineralization at depth and results were not as encouraging as hoped. At this stage, further progress of the project will be decided after a complete evaluation of drill results together with new and historical geological, geochemical and geophysical data has been completed.

INTRODUCTION

In early 2006, Intex Resources was granted four exploration licence areas covering the known porphyry molybdenum occurrences in Ramnes, west of Oslo, Norway. The exploration work described in this report has been restricted to three of the areas; Askjer with a total licence area of 10.5 km^2, Gullås with a total area of 2.5 km^2 and Kamfjord with a total area of 1.5 km^2 in Re and Andebu municipalities (Mapsheet 1813 IV Holmestrand).

The occurrences has been known since the early 1980'ties where they were located by Norsk Hydro during geological mapping of the area and by use of geophysical surveys (IP/resistivity, magnetics and radiometry) and soil sampling. The Solberg occurrence has been known since the 1920`ties, when a shallow shaft was excavated. The latest work was carried out by Norsk Hydro who took the project to the stage of recommending 3 areas for test drilling, but drilling was never carried out. In the early 1980'ties the mineral exploration department at Norsk Hydro was closed down and several of their projects were shelved.

In late 2006, the Ramnes molybdenum occurrences were visited by Intex Resources ASA (former Crew Minerals ASA) with the aim of carrying out an assessment of the potential of the Ramnes area. During field work, all registered molybdenum occurrences were visited and sampled and the most interesting areas were mapped in detail to define drill targets. A total of 63 rock samples were collected from the registered known molybdenum occurrences and based on the assay results, geology and field observations, 4 main areas were selected for exploration drilling to test the molybdenum mineralisation at depth. The areas are Tronka West, Tronka East, Ilestadvannet and Kjønnerød.

During 2007, drilling was carried out by SMOY (Suomen Malmi OY) in all four areas. Six holes were drilled with a total length of 1,723 meters.

A. Report on field work 2006

1. Geology

The Ramnes cauldron, located in the central part of Vestfold County, is an oval structure, approximately 15 km across, situated in the southern part of the Permian of the Oslo Region. An outer ring dyke encircles most of the western effusive area, the central ring dyke, the central plutons and the central breccia area. All the rocks in close proximity to the cauldron boundary are lavas, mainly rhomb porphyries. These lava formations belong to the Kjønnerød Formation (Figure 1).

In the westernmost part of the cauldron, rhomb porphyries and basaltic lavas (Høyjord Formation) are found below the acid effusives belonging to the Stulsås Formation, which consists of ignimbrites and rhyolitic lavas. The youngest unit of the intra caldera formations is a caldera collapse breccia, which belongs to the Huflåtten and Gunnerød Member.

The central volcano eruptions terminated with caldera subsidence and intrusion of porphyric alkali syenite in ring fractures. An outer and inner ring dyke post-dates all volcano-stratigraphic units between them. The ring dyke syenite has a great textural variation from coarse feldspar-porphyritic to micro-syenite. The ring dyke intrusions were followed by intrusion of diabase dykes of mainly E-W direction.

During the late stage of the caldera evolution, high-silica rocks of rhyolite composition were intruded, presumably as domes. However, not restricted to intra caldera formation, the rhyolite domes preferentially occur associated with, and post-date the ring dykes, and their distribution and form are structurally controlled with N-S and E-W structures predominating. They are concentrated along the inner side of the outer ring dyke and the outer side of the inner ring dyke. The rhyolite domes are characterized by flow banding along the contacts, while the central parts are massive, red to grey rhyolite with subordinate areas of rhyolite breccia.

Associated with the rhyolite domes are dykes of quartz-feldspar porphyry and aplogranite. The latest intrusion face is represented by a second generation diabase dykes with a main N-S direction.

The known molybdenite occurrences are hosted in the rhyolite domes or in the contact to ring dyke syenite. Pervasive sericite alteration and high amounts of pyrite are often associated with the mineralisation.

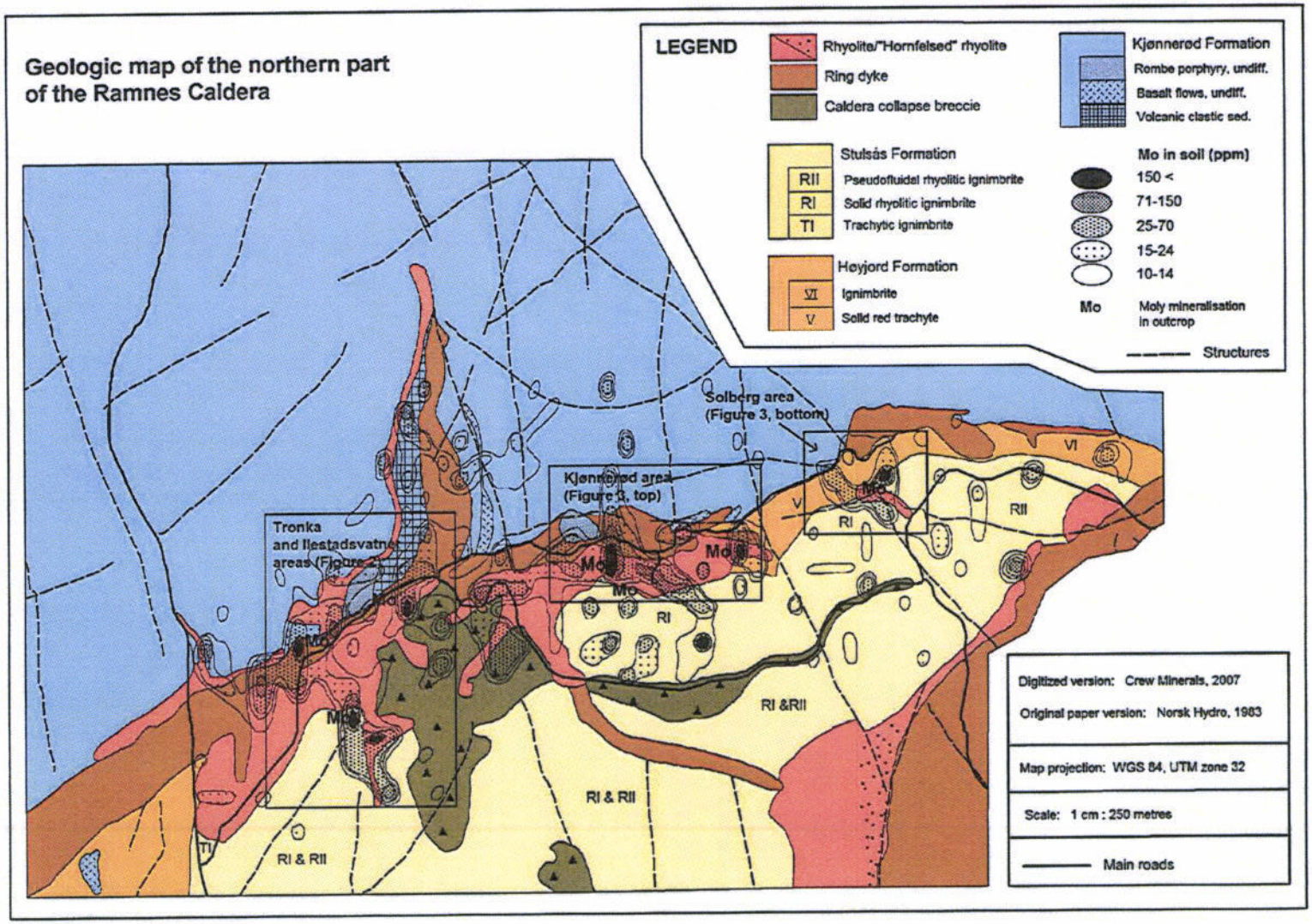


Figure 1. Geologic map and molybdenum soil anomaly map covering the northern part of the Ramnes Caldera. Main mineralised areas are shown in boxes.

The Ramnes area is penetrated by regional structures (Figure 1) that seems to have played a role in the mineralisation process and indicate an association between elevated MoS_2 values and structures. The Kjønnerød, Ilestadvannet and Solberg areas are penetrated by regional structures and the fact that several molybdenite occurrences have been located in these areas makes them an obvious target for drilling.

2. Mineralisations

In Ramnes the molybdenite mineralisations are epigenetic and related to the caldera formation.

This assessment focused on the north-western part of the cauldron, where intrusion of rhyolite domes occurs frequently along the outer ring dyke.

Molybdenite occurs in veins, fractures and as diffuse enrichments in sericite- pyrite (and clay) altered rhyolite and ring dyke syenite. High-grade enrichments of sphalerite, galena (and silver) are associated with the molybdenite mineralisation at several locations.

3.1 Tronka West

At Tronka west (Figure 2 and 3) altered rhyolite and subordinate altered, porphyritic ring dyke syenite is exposed in a 250 meters long road profile. Both rock types are affected by pervasive sericite alteration, except an interval with less altered rhyolite, and have a high pyrite content. Near the ring dyke contact the rhyolite shows flow-banding (60°/70°).

The rhyolite is cut by a 70 cm thick diabase dyke (155°/90°) and a 1m thick light grey, fine-grained dyke with vugs (140°/85°). Fluorite is abundant, both as discrete grains in rhyolite and the ring dyke syenite (especially as enrichment in a 7 m wide zone in the sericite altered rhyolite), and in thin veinlets of various directions. Along the road profile, 12 molybdenite veins/fracture coatings were observed showing NW-SE to NNW-SSE directions (130-163°) with a dip of 70-90° to either side. The molybdenite veins are generally a few cm thick but in one location (sample 43516), migration and enrichment of molybdenite occurs in up to 20 cm wide lenses along a fracture. Four of the sampled veins assayed 0.07-0.16 % MoS_2; while three samples of less obvious mineralization assayed 123-295 ppm MoS_2.

2.2 Tronka East

At this locality (Figure 2 and 4), a 350 meters road profile exposes porphyritic ring dyke syenite, diabase and subordinate rhyolite. Lithological contacts, flow banding, molybdenite-, and fluorite veins have an overall NE-SW to ENE-WSW strike direction with SE dip.

At E565458, N6583129, a rather sharp contact (52°/72°) is seen between unaltered ring dyke syenite and underlying, few meters thick sericite altered rhyolite with pyrite dissemination, which is again underlain by a 7 m thick diabase dyke. Along the lower diabase contact (80°/60°) the underlying sericite altered and pyritized ring dyke carries molybdenite-pyrite-fluorite dissemination over at least 50 cm thickness (samples 43511-43513: 0.28, 0.02 and 0.82 % MoS_2).

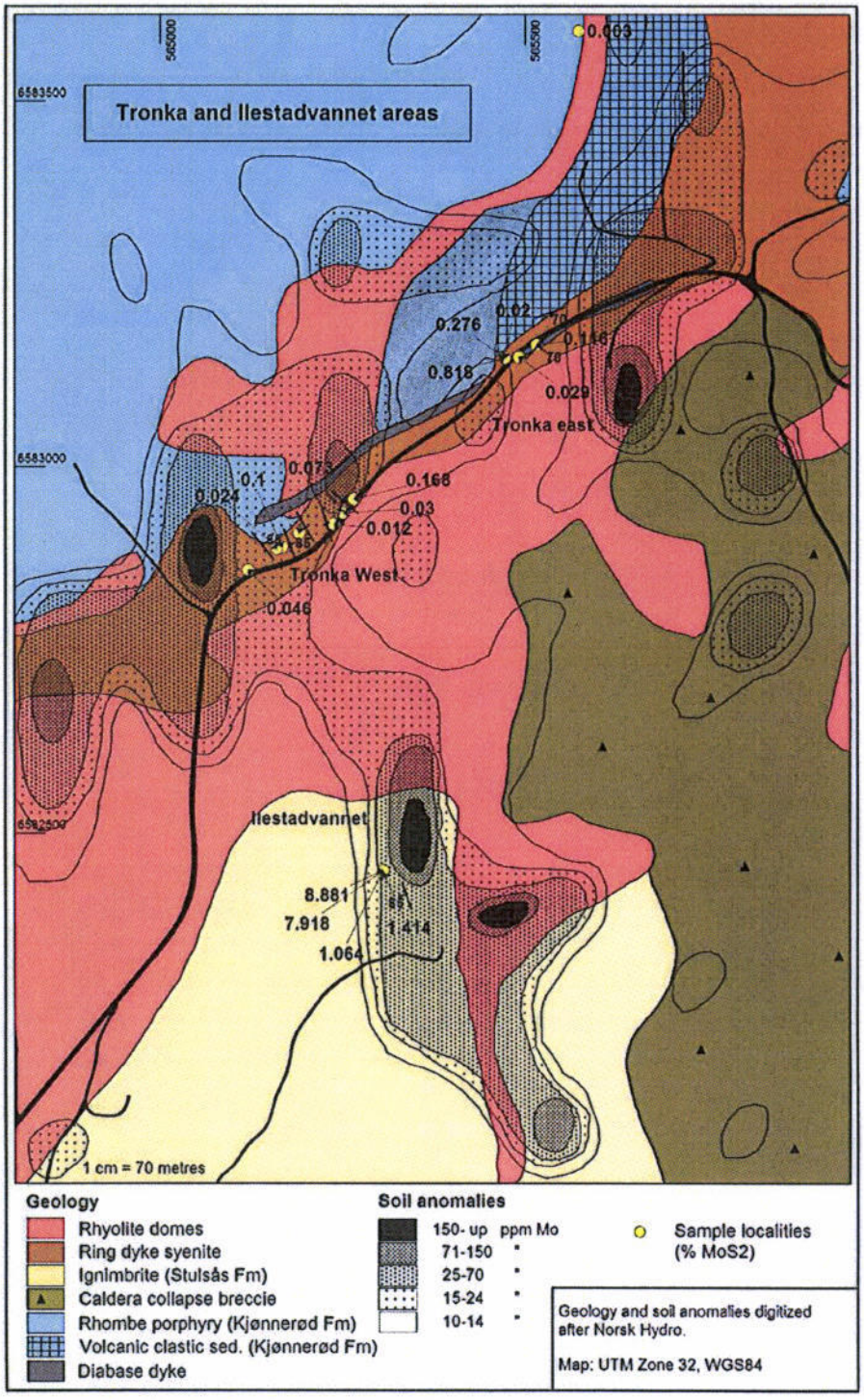


Figure 2. Geology, Mo soil anomaly map and surface sampling for Tronka and Ilestadvannet areas. Se Figure 1 for overview.

Further NE it can be seen up in the steep road cut, and from scree (43514: 294 ppm MoS_2) that molybdenite occurs at least 4 m below the diabase contact, probably as more or less conformable disseminations.

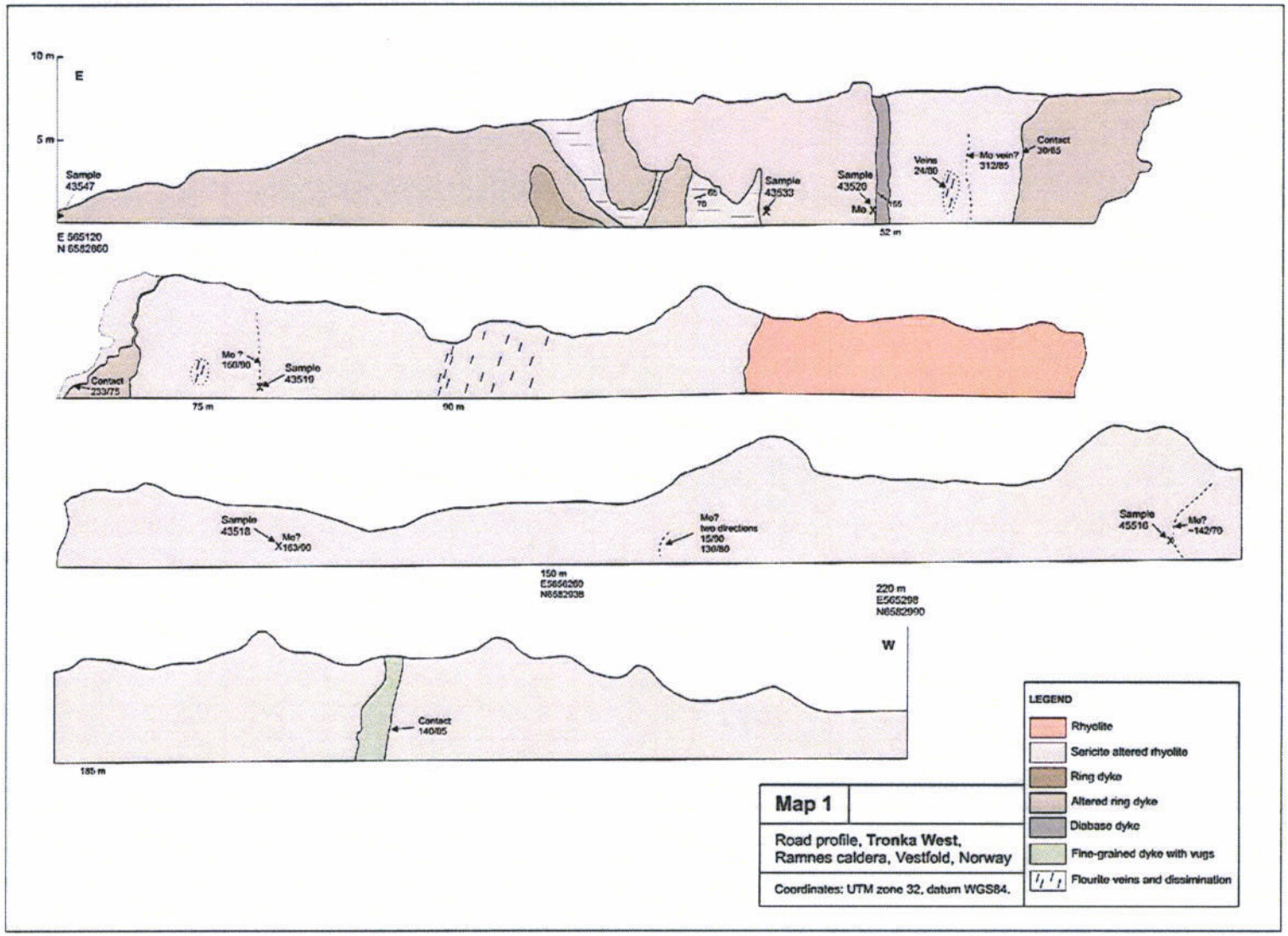


Figure 3. Road profile, Tronka West. Total profile length 220 meters

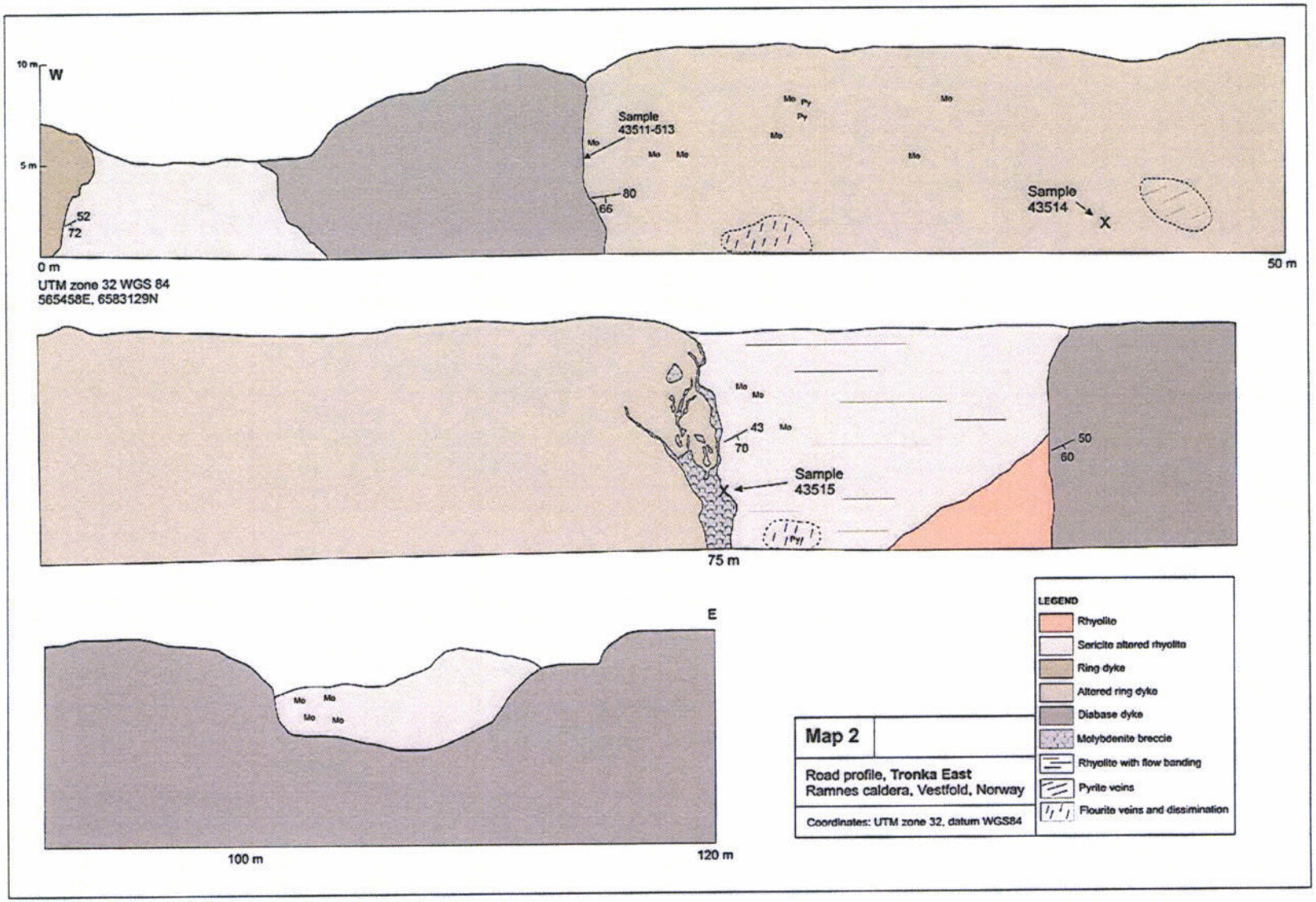


Figure 4. Road profile, Tronka East. Total profile length 120 meters

Further NE along the road profile, irregular veins of fine-grained molybdenite-sericite-pyrite-fluorite (43°/70°) with breccia fragments of wall rock appear at the contact between ring dyke syenite and flow banded (48°/72°) rhyolite (Figure 5). Vein thicknesses range from a few cm and up to 25 cm, the latter with direction 43°/70°, and a sample from this location returned 0.12 % MoS_2.

Sericite altered rhyolite and ring dyke show low susceptibility (<40), while unaltered ring dyke syenite shows 2000-3000, and diabase 4000-6000.



Figure 5. Brecciated molybdenite veins along contact between rhyolite and ring dyke syenite, Tronka East road profile.

2.3 Ilestadvannet

Follow-up of a soil anomaly led to the discovery of a mineralisation 450 meters south of the Tronka West (Figure 2). At this locality, a 5-10 cm thick fracture filling with fine-grained molybdenite, pyrite, sphalerite, galena and fluorite is exposed. Samples from this locality returned grades up to 8.89 % MoS_2, 1.4% Zn, 0.2% Pb, 0.1% Cu and 32 ppm Ag. Due to overburden the fracture cannot be followed for more than 5-6 meters on surface. Host rock is presumed to be a sericite altered pyroclastic rock. The mineralization strikes 170° and has

a steep westward dip, with direction towards the Tronka west locality. The southern part of the vein is silicified and of lower grade. The fracture filling has a few off-shoots with a 20-30° strike and steep ESE dip. The off-shoots are 5-10 cm wide and extremely rich in fluorite in addition to molybdenite, pyrite, sphalerite and galena (7.92% MoS_2, 2.6% Zn, 0.7% Pb, 0.05% Cu and 43 ppm Ag).

2.4 Kjønnerød

Sericite altered rhyolite with pyrite-molybdenite dissemination was located over an E-W distance of 1.5 km along the creek draining Kjønnerødvannet eastwards (Figure 6, top). Pyrite dissemination is abundant, even in the less altered rhyolite north and south of the creek, while molybdenite dissemination is associated with the more altered parts of the rhyolite along the poorly exposed valley bottom. Samples from such dissemination typically assay 350-500 ppm MoS_2.

The westernmost outcrop (E566596, N6583291) is an old prospect where previous blasting has taken place. At this locality, a rhyolite breccia with veining of coarse-grained pyrite and dissemination of molybdenite (0.11 and 0.13 % MoS_2) can be seen.

1,5 km to the east (E567325, N6583390), at the bottom of a cliff, a 20-30 cm thick layer of sericite altered rhyolite with molybdenite dissemination (0.34% MoS_2 and 0.6% Zn) was located. It is strongly weathered and has an E-W strike, dipping 35-40° to the south. 15 m west of this location, the rhyolite is cut by an 80 cm thick diabase dyke (15°/60°).

At the road cut south of Kjønnerødvannet (E566230, N6583051) an at least 30 cm wide molybdenite dissemination in rhyolite breccia (412 ppm MoS_2), striking 210°/35°, was found (Figure 7).

The Kjønnerød mineralisation is reflected on surface by an approximately E-W running soil anomaly intersected by N-S trending anomalies in the Bråten area (E566750, N6583350) and at E567450, N6583400. These N-S trending anomalies coincide with N-S trending depressions in the landscape where no outcrops were detected, except for one locality adjacent to the Bråten anomaly, where rhyolite with pyrite-molybdenite dissemination assayed 0.12 % MoS_2.

An important fact for the Kjønnerød area is that the E-W ring fracture zone in this area is intersected by N-S to NNW-SSE trending regional structures. These intersecting structures are assumed to be favourable for the late rhyolite dome intrusions and later fluid migration. Both structural trends can be revealed in the geochemical pattern and the soil anomaly is pronounced along the Kjønnerød trend.

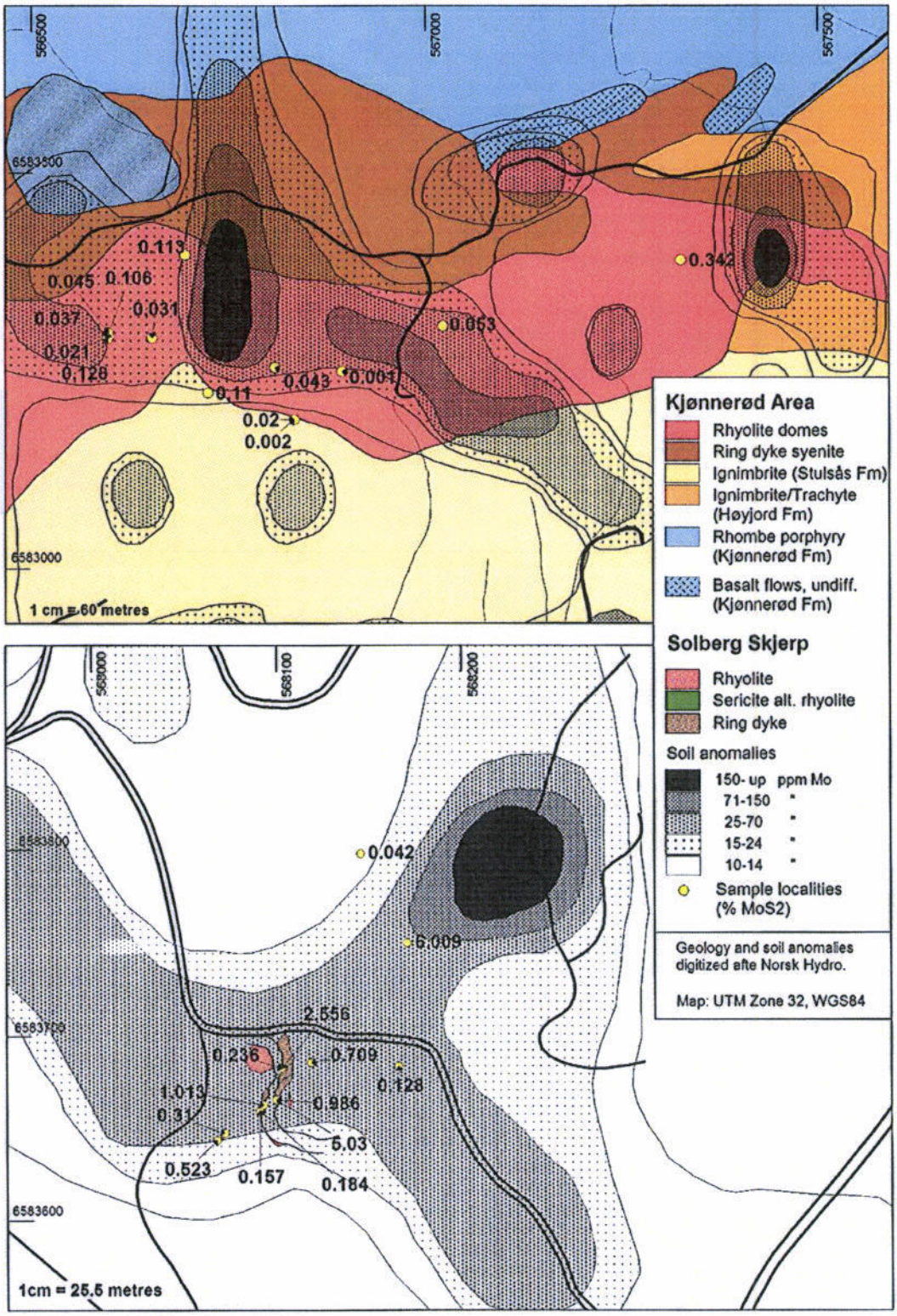


Figure 6. Geology, Mo soil anomaly map and surface sampling for the Kjønnerød (top) and Solberg (bottom) areas. Se Figure 1 for overview.

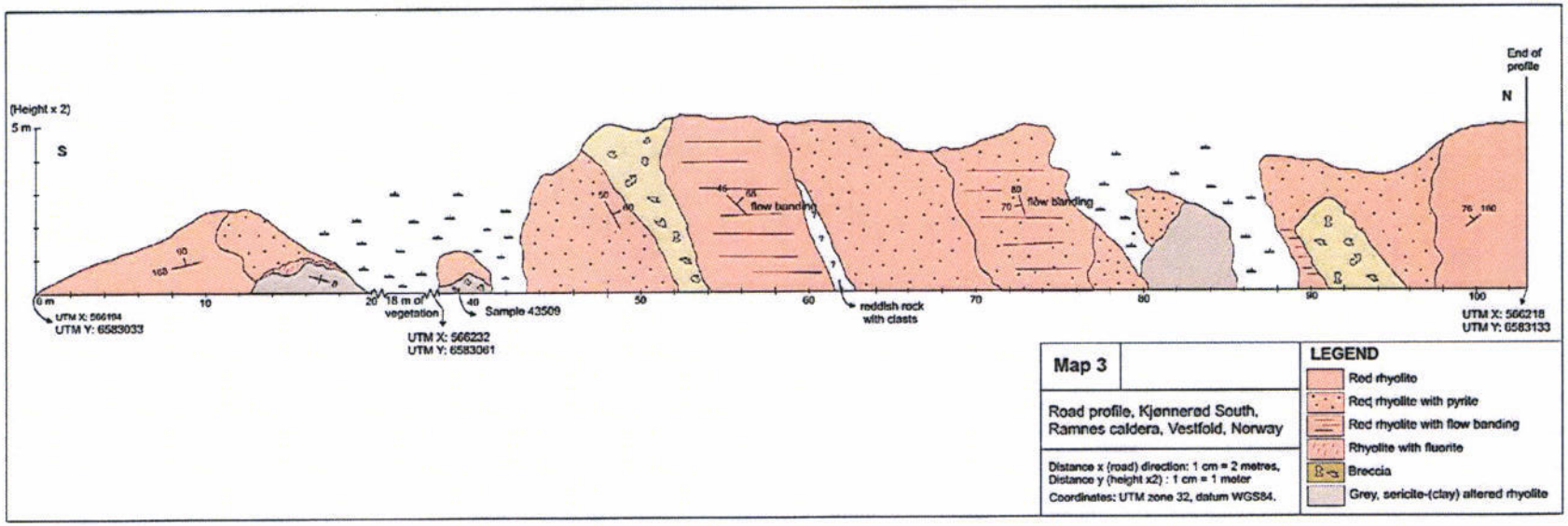


Figure 7. Road profile Kjønnerød Total length of profile is 103 metres.

2.5 Solberg area

In the Solberg area (Figure 6, bottom and Figure 8) the molybdenite mineralisations occur in clay-sericite altered ring dyke as well as in rhyolite. Disseminated pyrite is abundant in rhyolite and ring dyke associated with the mineralisation. It seems that the rhyolite in this area has been intruded as sills into the ring dyke and ignimbrite. Ignimbrite is located in the southernmost part of the Solberg area.

The mineralisation occurs as flat-lying "stairs" in the flat-lying ring dyke, but more vertical mineralized zones also seem to occur. A 2.7 meters chip sample across a mineralised zone assayed 0.24 % MoS_2 and a sample from a high-grade zone in the chip profile assayed 2.56 % MoS_2.

A 10-20 cm wide mineralized syenite dyke cuts the rhyolite and ring dyke. The syenite is vertical and has a strike of 50°. The syenite is very rich in galena, molybdenite and pyrite and a sample from this zone assayed 0.16 % MoS_2, 8.1 % Pb, 0.64 % Zn, 62 ppm Ag and 161 ppm Bi.

Mineralisation is also found 20-30 m SW of the river, as molybdenite dissemination in rhyolite, assaying 0.52 and 0.31 % MoS_2.

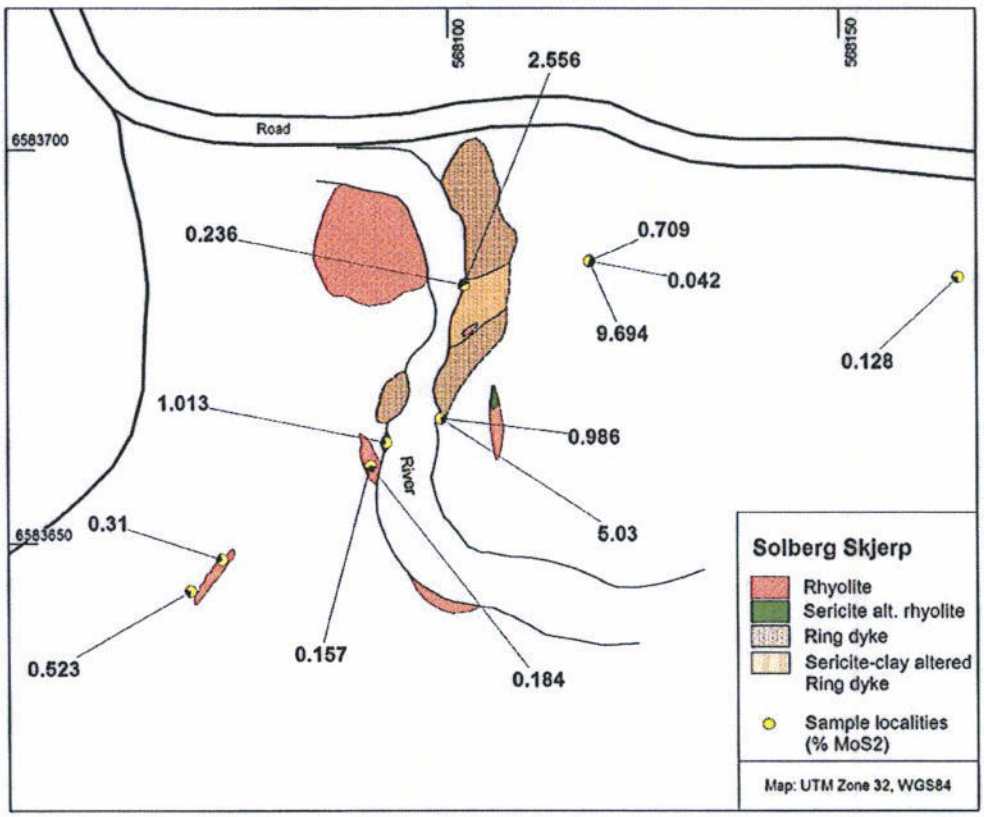


Figure 8. Geological map Solberg showing surface samples and Mo values. For overview see Figure 2 and 6.

2.6 Bergsvannet

The rhyolite east of Bergsvannet probably represents a continuation from the Tronka and Nabberen areas. It is intruded into the more regional occurring rhomb porphyry, which is outcropping east and west of Bergsvannet. The rhyolite and rhombe porphyry are bordered to the south by a monzonite intrusion.

In an otherwise covered terrain, a 280 m long road profile exposes both fresh and sericite altered rhyolite, occasionally flow banded and brecciated. Molybdenite mineralisation appears at 10-12 localities along the road profile, both as mm-thin veinlets (330 and 196 ppm MoS_2) and disseminated zones of various orientations. A chip sample over a 60 cm wide molybdenite-pyrite impregnation returned 0.1 % MoS_2. This zone has a direction and dip of 27°/85°. A flat-lying 5cm thick molybdenite vein returned 0.37 % MoS_2, 0.4 % Zn and 956 ppm Pb.

Norsk Hydro covered the area by deep soil sampling, and the area SSE of the road profile came out with anomalous Mo.

2.7 Other areas

2.7.1 Gislerød

According to Norsk Hydro, mineralisation with stockwork features is exposed in Gislerødbekken. This investigation did not verify this, but scarce outcrops along the creek showed sericite altered rhyolite with dissemination of pyrite, fluorite and traces of molybdenite (216 and 45 ppm MoS_2). Less altered rhyolite with thin, dark joints of quartz and pyrite assayed 45 and 33 ppm MoS_2.

2.7.2 Nabberen

Two samples were collected from the rusty cliff wall at Nabberen: sericite altered rhyolite (28 ppm MoS_2), and sericite altered rhyolite breccia (60 ppm MoS_2). A soil anomaly coincides with the rhyolite north of the sample point.

2.7.3 Seterskogen

Where Norsk Hydro has plotted this occurrence on the map, no outcrops where to be found. The area is covered by soil sampling, and an anomaly coincides with a major N-S lineament.

2.7.4 Hasle

Another molybdenite occurrence is by Norsk Hydro plotted 200 m SW of Hasle, at the contact between rhyolite and ring dyke syenite. Search in the area did not detect mineralisation.

In addition to the previously mentioned follow-up of soil anomalies at Bråten (566750 6583350) and 700 m east of Bråten (E567450, N6583400), also other N-S trending soil anomalies were prospected: Korpefjellet (E565530, N6582100), Tronka (E565620, N6583100), and Tronka West (E565500, N6582900). As with Gislerød and Seterskogen,

these all coincide with N-S depressions and no outcrops were detected. These structures could well be mineralised.

3. Assay results

A total of 63 surface samples were collected from the target areas during fieldwork in 2006. The samples were sent to Intex Resources lab in Hurdal where the samples were crushed to > 70 % less than 2 mm and then a split of 250 g from each sample was shipped to ALS Chemex for pulverization and analysis.

For assaying, ALS Chemex method ME-MS61 Ultra Trace Level Method using ICP-MS and ICP-AES was applied to all samples and in addition, 18 surface samples were analyzed for gold (Au-ICP21).

Assay lists are enclosed in Appendix 1, Table 1 and Table 2.

4. Recommendations

The Ramnes area is covered by overburden and dense forest and the overall outcrop exposure is bad to medium. The area has been covered by IP, Magnetics and Radiometry which unfortunately were less successful in defining target areas. The soil sampling programme proved to be more successful and has defined several Mo enriched areas on surface (Figure 2 and 6), which has later on been verified by the discovery of surface molybdenite mineralisations in those areas.

The critical scenario for the Ramnes molybdenum mineralisations is weather the molybdenite mineralized structures seen on surface reflect fluids derived from the rhyolite magma and deposited along permeable structures in the rhyolite or weather the mineralizing fluids were derived from a deeper source magma and then deposited near the surface in low pressure areas in the rhyolite. In the latter case, the mineralisations seen on surface could either represent remnants of fluids escaped through high-level structures or only leaks of fluids from a deeper system indicating a possibility of a stockwork mineralisation at depth. To test weather a molybdenite stockwork is present at depth drilling needs to be carried out.

Based on a combination of soil anomalies and surface exploration with mapping of molybdenite mineralisations, 4 high priority drill targets were defined at Tronka East and West, Ilestadsvannet and Kjønnerød. The Solberg mineralisation was included in the drill proposal but with lower priority.

4.1.1 Tronka West

One drill hole (DH 1) is suggested for Tronka West and should be placed west of the located molybdenite mineralised veins with an azimuth of about 70°, a dip of 45° and a length of about 400 metres. The mineralised veins and structures in this area are sub-vertical with a strike of 130-160°. The drill hole will intersect a pronounced soil anomaly close to surface.

4.1.2 Tronka East

One drill hole (DH 2) is suggested for Tronka East. The surface mineralisations at this locality have an overall strike of 40-80° and a dip of 70° to the south. The drill hole should be placed south of the known mineralisations with an azimuth of 340° and a dip of 45°. The drill hole will intersect the surface mineralisation at a depth of about 180 meters. The entire length of the drill hole is set to be about 260 meters and ending when intersecting the rhomb porphyry north of the ring dyke.

4.1.3 Ilestadvannet

One drill hole (DH 3) is suggested at Ilestadvannet. The purpose of this drill hole is to test a pronounced N-S running soil anomaly at a locality where high-grade molybdenite mineralisation (170°/85°W) has been found. DH 3 should have an azimuth of about 80° and a dip of 45° and will intersect the known surface mineralisation and soil anomaly at a depth of 140-170 meter. The total length is set to about 400 meters.

4.1.4 Kjønnerød

Three drill holes (DH 4, DH 5 and DH 6) are suggested for the Kjønnerød area. The entire area has a pronounced E-W soil anomaly combined with two N-S trending anomalies. DH 4 and 5 should be drilled from the same platform in the westernmost part of the area. DH 4 is a shorter, north-facing hole and is intended to intersect a surface mineralisation associated with intensive sericite and pyrite alteration at a depth of about 115 meters. DH 5 should have an azimuth of 50° and a dip of 45°, and with a total length of about 430 meters it will test the pronounced N-S Bråten soil anomaly at depth. DH 6 is set out to test a pronounced E-W soil anomaly at depth east of the Bråten anomaly. The drill hole is north-facing with a dip of 50° and will have a total length of about 230 meters.

4.1.5 Solberg

One drill hole (DH 7) is suggested for this area. The overall strike for the mineralised zones is 40-60° with flat-lying dip towards SE. The drill hole should be placed SE of the located mineralisations and with an azimuth of 295° and a dip of 45° the drill hole will intersect the mineralisation at a depth of 130 meters. DH 7 is located in the Solberg soil anomaly and will test for mineralisations at depth.

4.2 Further surface exploration 2007

The proposed drill programme should be combined with further surface exploration in the area. The following activities are proposed:

- Further prospecting for new molybdenite occurrences on surface
- Detail mapping of new occurrences
- Mapping of alteration zones
- Extending the soil sampling area at Bergsvannet towards S-SE-E
- Extending the soil sampling area at Seterskogen towards N-NW-W

B. Report on exploration drilling 2007

5. Drilling results

Based on the proposed drill targets that was defined after surface field work during 2006, six holes were drilled in the period 1/5 – 21/7 2007, by Suomen Malmi OY, Finland to test a combination of outcropping mineralisations and soil anomalies. The 6 holes were placed with 3 holes in the Tronka West – Ilestadvannet trend, one at Tronka East, and two at Kjønnerød (Table 1, Figure 9). The drill programme totalled 1,723 m. Core diameter is 42 mm.

Drill hole	Locality	UTM X	UTM Y	Azi-muth	Dip	MASL (m)	Overbur-den (m)	Length (m)
DH 1	Tronka west	565025	6582773	65	45	119	5.55	311.25
DH 2	Tronka East	565547	6583000	340	45	113	10.80	222.35
DH 3	Ilestadvannet	565230	6582480	80	45	95	3.45	208.75
DH 5	Kjønnerød	566565	6583192	50	45	116	7.60	423.00
DH 6	Kjønnerød	567009	6583125	0	45	113	11.70	281.80
DH 8	Ilestadvannet	565347	6582397	70	45	63	1.90	276.00
Total								**1723.15**

Table 1. Drill hole locations and specifications for the Ramnes drill programme 2007.

The cores were sent to Intex Resources lab in Hurdal where logging was conducted and the cores were split using a diamond saw. Half of the core was stored as a reference. The other half was crushed to > 70 % less than 2 mm. 5 m sections are combined in each sample and a split of 250 g from each sample was shipped to ALS Chemex for pulverization and analysis. Each sample batch (28-66 samples) included two standards, two cleaners and a duplicate split of every tenth sample. For assaying, ALS Chemex method ME-MS61 Ultra Trace Level Method x
using ICP-MS and ICP-AES was applied to all samples and some samples were also assayed by the ME-MS81 method for rare earth elements.

Assay results for the 6 drill holes are enclosed in Appendix 2, Table 1 and Table 2.

A down-hole deviation survey was conducted by Devico after the end of the drilling programme. Due to blockage in the holes, only parts of Dh 2 and 5 were surveyed. Down-hole survey results are enclosed in Appendix 3.

5.1 Tronka West

The purpose with this east-inclined Dh 1 (65°/45°) was to intersect the N-S trending molybdenite veins from the road profile. Unfortunately, the hole failed to exceed 311 m due to technical problems. The lithologies are mainly alternating porphyritic ring dyke syenite and rhyolite (Figure 10 shows a sharp contact between the two), with one diabase dyke and a short intersection of aplitic granite intruding the syenite. A large part of both syenite and

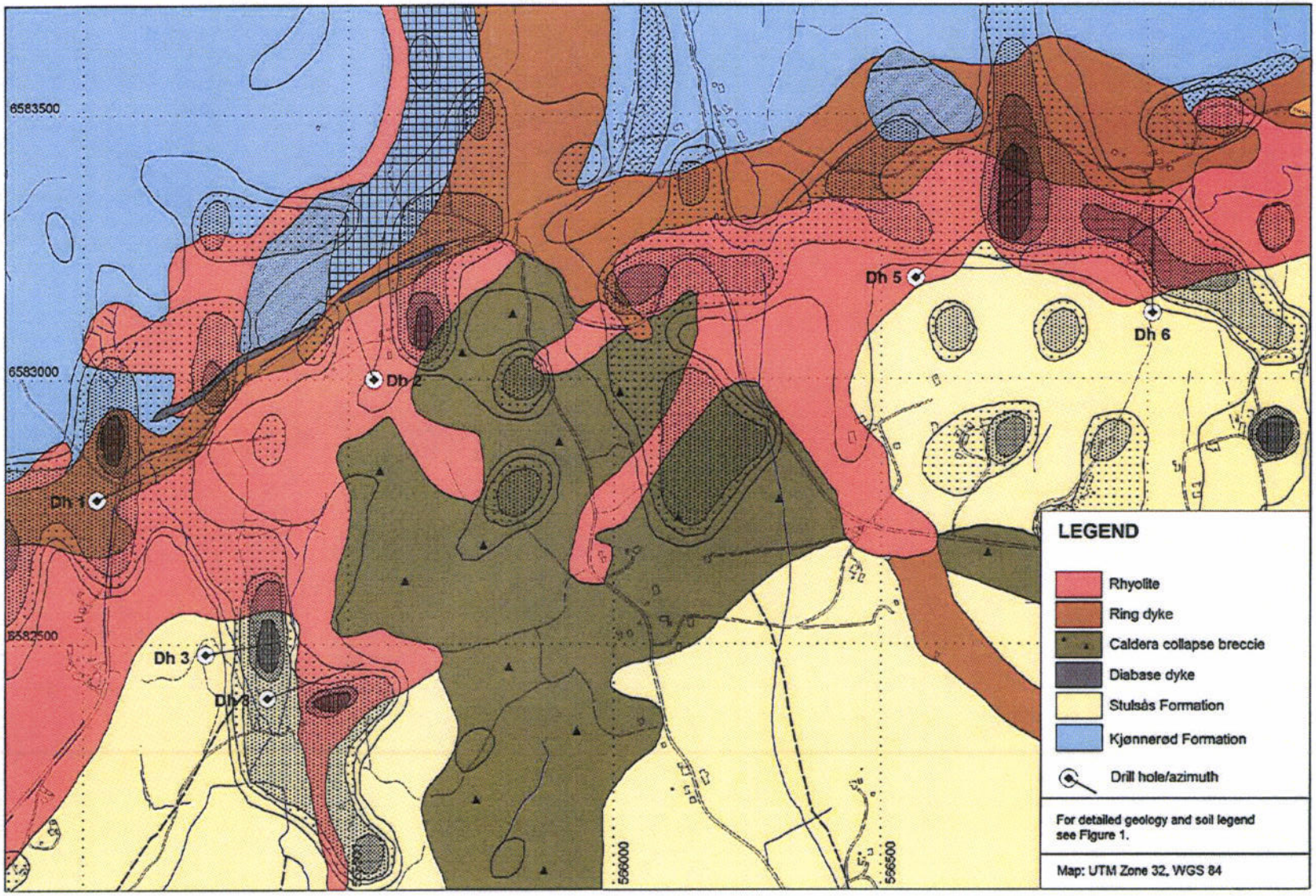


Figure 9. Position and azimuth for Ramnes drill holes, 2007.

rhyolite are pervasively sericitized. However, the lithologies can still be distinguished and textures recognized, like flow banding in rhyolite and preserved phenocrysts in syenite
In areas of less alteration, small scale alteration haloes can be observed in the syenite. Thin pyrite ± molybdenite seams with few cm wide sericite selvages (Figure 11) are enveloped by epidotized syenite (some tenth of cm wide). With outward decreasing alteration the syenite retains its redbrown colour, only the feldspar phenocrysts are clay altered in a zone before rendering into fresh syenite.



Figure 10. Contact between porphyritic ring dyke syenite and flow banded rhyolite (214,00 m).



Figure 11. Molybdenite-pyrite seam with sericite-silica altered envelope in ring dyke syenite (116,50 m). The epidote alteration zone is almost absent.



Figure 12. Calcite-fluorite-quartz-epidote-pyrite veins (31,50 m)

Molybdenite occurs as coating at fractures or in up to few mm wide quartz-pyrite(±fluorite, calcite and molybdenite) veins (Figure 12). Locally, weak molybdenite dissemination can be observed. Between 44,90 m and 48,60 m along the contact to diabase dyke, the ring dyke syenite is brecciated and breccia matrix consists of quartz, fluorite, calcite, feldspar and subordinate molybdenite (Figure 13). The main amount of pyrite occurs as dissemination.
Apart from vein-bound, fluorite also appears as dissemination in syenite and rhyolite, strongly enriched in the pervasively altered ring dyke syenite at 140-170 m depth (Figure 14).

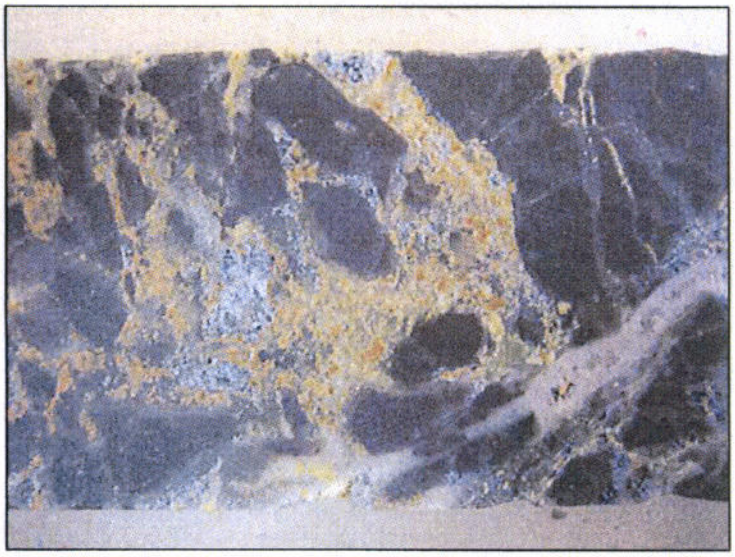


Figure 13. Brecciated ring dyke syenite with breccia matrix of calcite, quartz, fluorite, feldspar and traces of molybdenite. Later open space quartz vein (48,00 m).

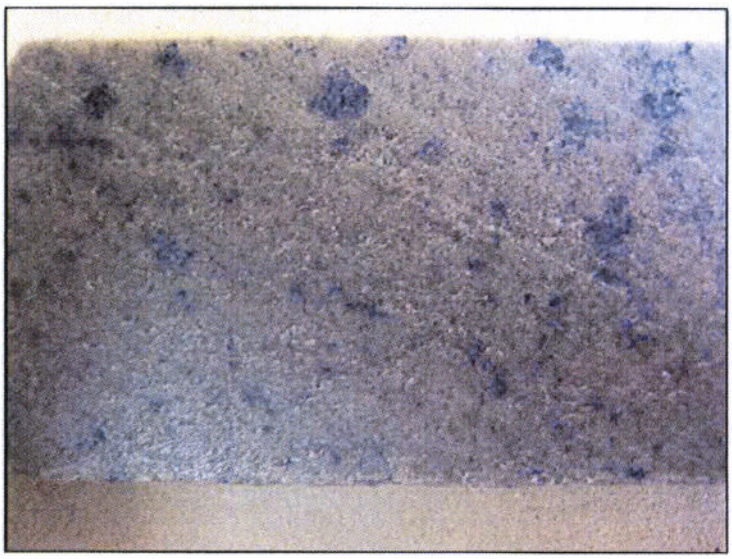


Figure 14. Sericite altered, fluorite-rich ring dyke syenite (151,30 m).

The source for the soil anomaly close to the drill site is only slightly enhanced Mo content, up to 136 ppm MoS_2 over 5 m in the ring dyke syenite. The best intersections in Dh 1 are 214 ppm MoS_2 between 250-265 m, and 264 ppm between 275-290 m.

5.2 Ilestadvannet

Due to technical problems, Dh 3 (80°/45°) was stopped at 208 m. In order to intersect the entire soil anomaly, another hole, Dh 8 (70°/45°), was drilled further to the SE.

Dh 3 intersects trachytic and intermediate to mafic flows, tuffs and pyroclastic breccia belonging to the Stulsås Formation. Strong alteration is mainly restricted to the interval 50-100 m. In this section acid tuff and rhyolitic lapilli tuff carry weak molybdenite mineralization bound to disseminated pyrite grains. Pyrite dissemination is particularly abundant in the tuff at 64,20-77,90 m. Figure 15 shows lapilli tuff with disseminated grains, patches and hair-thin veinlets of pyrite and molybdenite.

The earlier mentioned fluorite and base metal rich molybdenite vein outcropping in the creek is intersected at 80,70-80,83 m depth. It is brecciated and has an 8 cm wide calcite-rich zone along the upper contact. The section 75-85 m assays 593 ppm MoS_2. Average for the interval 45-90 m is 299 ppm MoS_2, where molybdenite occurs in molybdenite-pyrite-sericite veins (Figure 16) as well as weak dissemination in the altered tuffs.

Figure 17 shows a 5 mm wide, diffuse molybdenite vein bound to a fracture. The only rhyolite intersection is at 199,90-203,30 m, which includes a 40 cm section with network of hair-thin pyrite-molybdenite veinlets (Figure 18). The section 200-208,75 m assays 33 ppm MoS_2.



Figure 15. Lapilli tuff with disseminated grains, patches and hair-thin veinlets of pyrite and molybdenite (88,20 m).

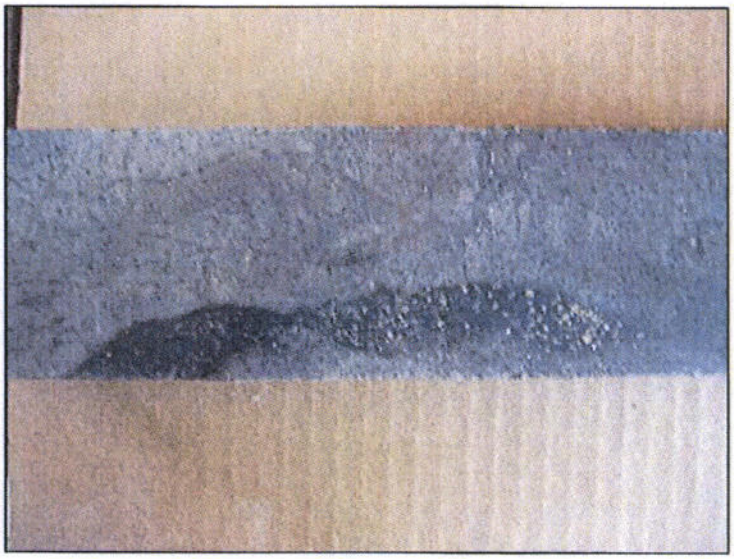


Figure 16. Molybdenite-pyrite-sericite vein (dark) in acid tuff (77,80 m).



Figure 17. Molybdenite vein in pyroclastic breccia (114,70 m).

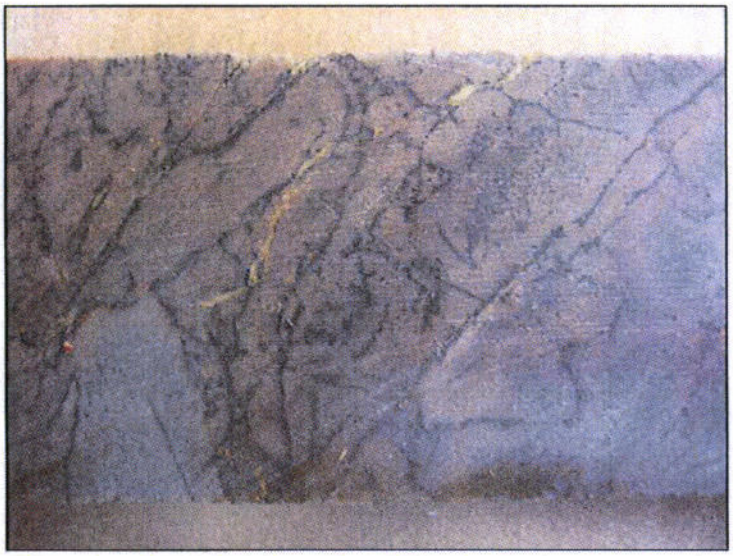


Figure 18. Network of pyrite-molybdenite veinlets in rhyolite (201,40 m).

The upper 52 m of Dh 8 is dominated by tuff and intermediate flow. A thick succession of rhyolite occur between 52,50 and 271,90 m, and the hole was stopped in pyroclastic breccia. This branch of rhyolite, extending southwards from Tronka, differs from the rhyolite along the ring fracture in being almost unaltered, well banded and carrying abundant nodules. The entire rhyolite is flow banded in mm-scale, typically with small, red, silica-rich droplets aligned in mm-thin bands, alternating with bands of white feldspar (Figure 19 and 20). This texture is developing from 100 m depth and is well developed from 170 m and downwards.



Figure 19. Flow banded rhyolite with fluorite-quartz-epidote-sericite-molybdenite-filled vesicle (150,00 m).



Figure 20. Flow banded rhyolite with vesicle filled with fluorite, feldspar, epidote, quartz, carbonate and euhedral pyrite (187,60 m).

The upper part of the rhyolite is rich in nodules up to 3-4 cm in size, with concentric silica growth (Figure 21 and 22), often around a core of epidote and fluorite. From 67 m the nodules become more feldspatic and clay-sericite altered, down to 100 m, where they almost disappear.

Apart from the rhyolite-veining of banded tuff (39,00-52,50 m), the thick succession of rhyolite from 52,50-271,90 m bear evidence of being extruded, with interlayers of

volcanogenic sediment and intermediate flow, and five autobreccia zones (Figure 23) separating the flows.



Figure 21. Silica nodules in rhyolite (61,10 m).



Figure 22. Concentric quartz-feldspar nodule in rhyolite (109,20 m).

Only weak and scarce molybdenite mineralization is observed in Dh 8. The upper few meters of the hole includes a few molybdenite veins and weak dissemination. At 8,00-8,10 m a thin pyroclastic horizon in trachytic flow contains sericite-molybdenite-pyrite clasts (Figure 24). The interval 1,90-10 m assays 249 ppm MoS_2. Between 75 and 78 m depth molybdenite and pyrite occur in hair-thin bands surrounding nodules in the rhyolite (Figure 25 and 26). The section 75-80 m assays 173 ppm MoS_2.

A few places molybdenite is found in vesicles associated with fluorite, quartz, feldspar, epidote, carbonate, sericite and pyrite (Figure 19). A 1,20 m wide zone along the contact between rhyolite and a volcanogenic sediment horizon (235,70-236,90 m) include a few



Figure 23. Autobreccia (215,35 m).

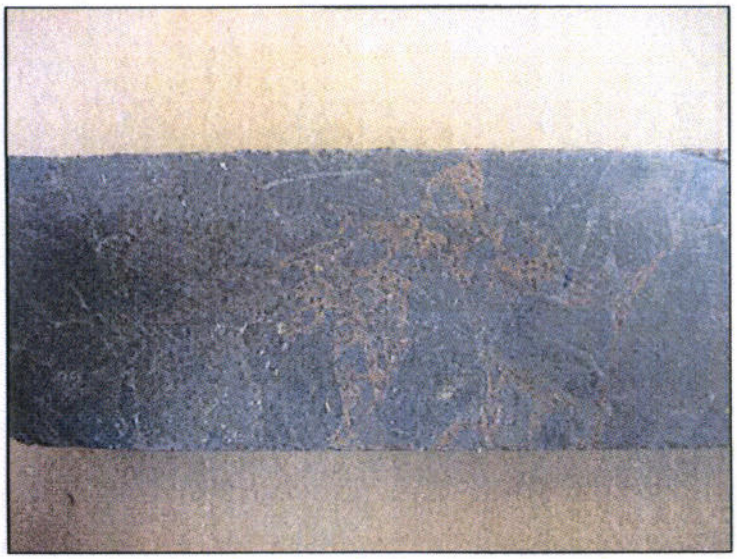


Figure 24. Pyroclastite with sericite-molybdenite-pyrite clasts (8,00 m).

molybdenite-disseminated veins, and the interval 235-240 m assays 237 ppm MoS_2.

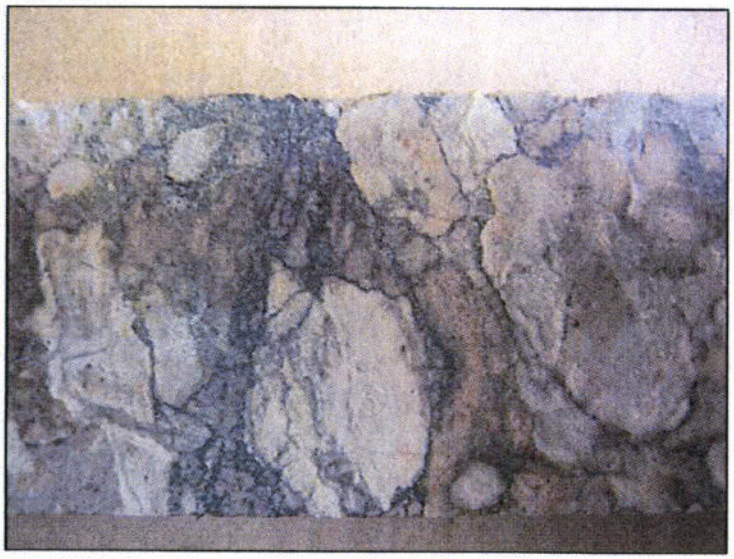


Figure 25. Zone of molybdenite dissemination and thin molybdenite-pyrite rims around nodules in rhyolite (77,00 m).

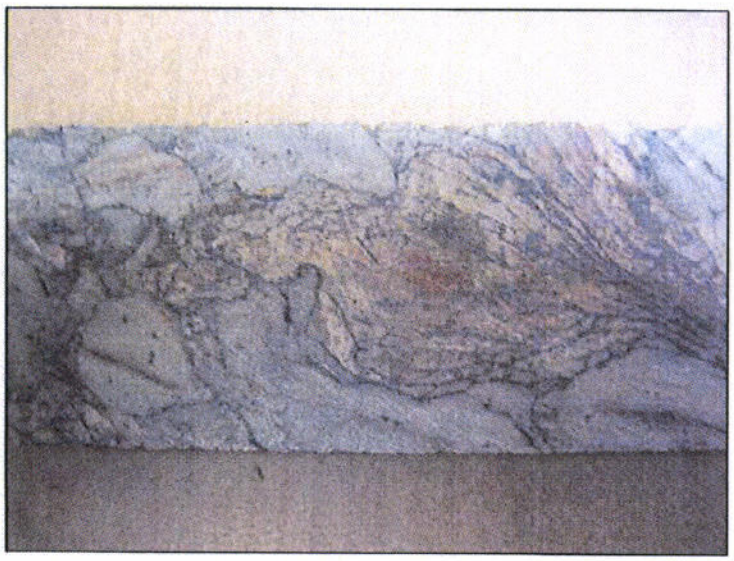


Figure 26. Molybdenite-pyrite rims around nodules in rhyolite (77,80 m).

5.3 Tronka East

The 222 m long Dh 2 (340°/45°) intersects alternating porphyritic ring dyke syenite and weakly porphyritic rhyolite, and in the upper part also rhyolitic and subordinate trachytic ignimbrite. The hole intersects two dykes of diabase and one of granite aplite. It was stopped in rhomb porphyry (Kjønnerød Formation) outside the ring fracture.

The profile exposed in the road cut is intersected at 150-175 m, and has the same

characteristics at depth. Features like syenite-, rhyolite- and diabase dykes, and generally the molybdenite mineralized fractures and veins are all parallel to the ring fracture. The main alteration zones are found at 131-138 m, and 162-192 m. Sericite is the dominating alteration, subordinate argillic and silicic. Pyrite and fluorite are especially abundant in the ignimbrite and rhyolite in the upper 100 m of the hole, both as dissemination and in mm-thin veinlets.

Molybdenite occur as coating and paint at fractures, and in scarce fluorite-calcite-quartz-pyrite-molybdenite(-epidote) veinlets. Seven fine-grained molybdenite-sericite veins of 2-5 cm thickness are intersected, all hosted in altered rhyolite, ring dyke syenite or aplite granite. The brecciated molybdenite-sericite vein from the road profile is intersected at the same position below the diabase at 164.5 m. The section 163,85-169,90 m has the appearance of stockwork (Figure 27), with molybdenite bound to molybdenite-pyrite seams or mm-thin molybdenite-pyrite-quartz-fluorite(-epidote) veinlets. Parts of this rhyolite section (162,00-173,90 m) below the diabase is breccia with molybdenite-sericite matrix (Figure 28).

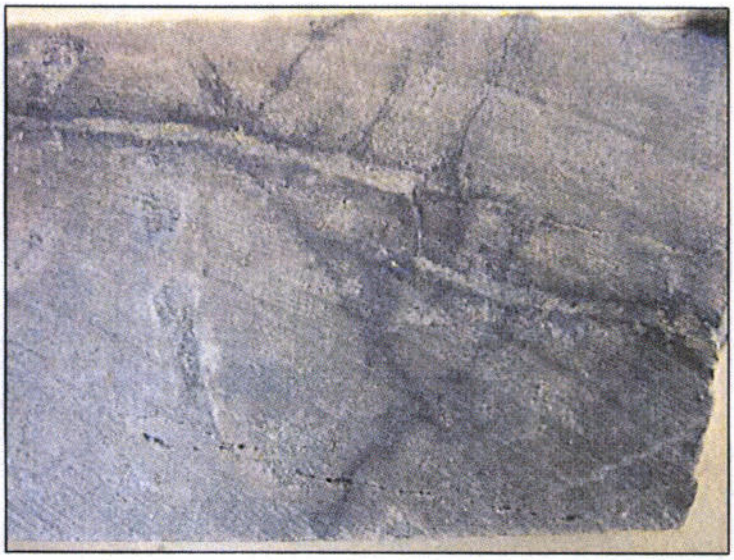


Figure 27. 1mm thick quartz veinlet with molybdenite along contacts, and molybdenite in stockwork veinlets (167,90 m).

Figure 29 shows a 5 cm thick molybdenite-sericite vein along the clay altered hanging-wall contact of the upper diabase dyke. Figure 30 shows a 2 mm thick quartz-epidote veinlet with molybdenite and sericite along the contacts. The veinlet is cut by the lower diabase dyke.

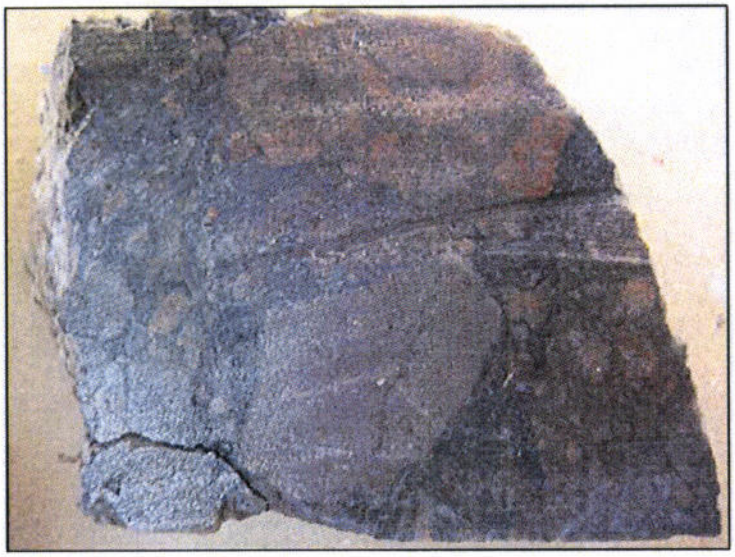


Figure 28. Rhyolite breccia with molybdenite-sericite matrix (166,70 m).

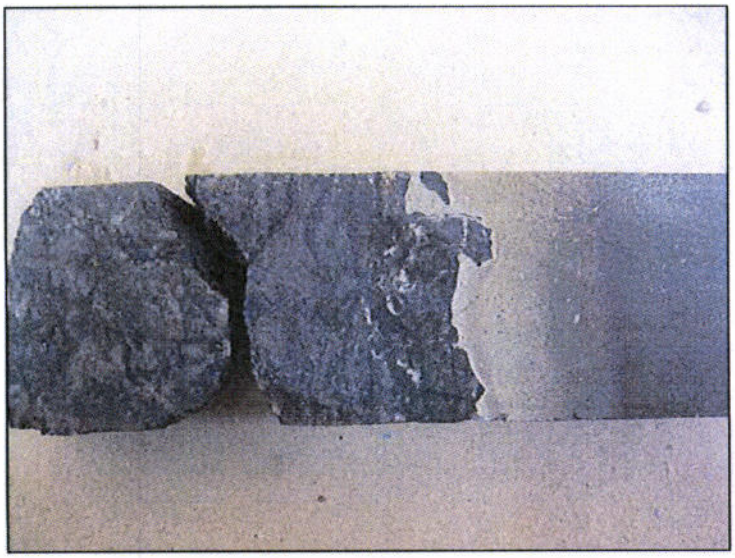


Figure 29. 5 cm thick molybdenite-sericite vein along the clay altered hanging-wall contact of a diabase dyke (111,40 m).

The highest Mo contents are assayed in sections including those molybdenite-sericite alteration channels:

148 ppm MoS_2 between 15 and 20 m depth,
304 ppm MoS_2 between 110 and 115 m,
125 ppm MoS_2 between 130 and 135 m,
130 ppm MoS_2 between 155 and 160 m,
310 ppm MoS_2 between 160 and 165 m.

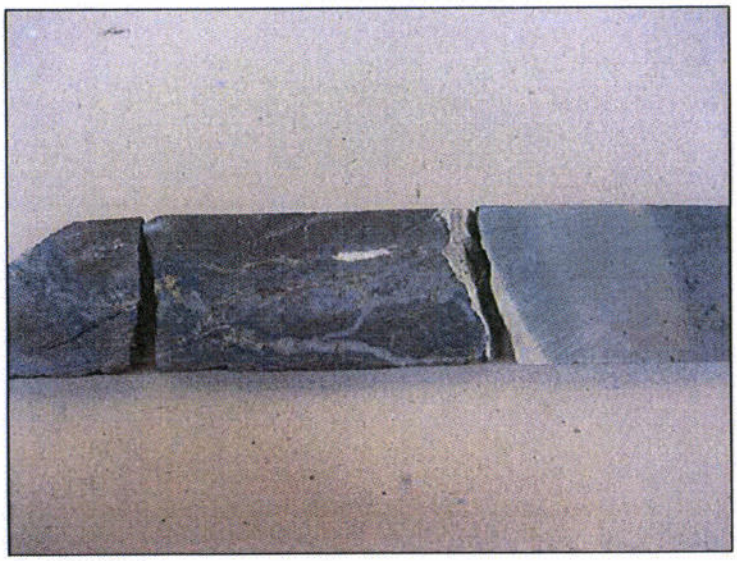


Figure 30. 2 mm wide quartz-epidote veinlet with molybdenite and sericite along the contacts. Hosted in rhyolite. Diabase dyke to the right. 157,45 m.

5.4 Kjønnerød

The Kjønnerød trend, combined east-west and north-south geochemical anomalies, was tested with two holes which verify the outcrop scenario: presence of molybdenite-disseminated rhyolite. Dh 5 (50°/45°) is directed towards the interfering soil anomalies south of Bråten. The upper half of the 423 m long hole is dominated by rhyolite, ignimbrite and tuffs, with subordinate agglomerate and volcanogenic sediment. Trachytic flows come in at 221 m, and ring dyke syenite at 295 m. The lower 100 m intersects two intermediate flows separated by a thin lapilli tuff horizon. These lithologies belonging to the Stulsås Formation are intruded by five rhyolite dykes and/or sills. Parts of the rhyolite are nodular and banding is common. The rhyolite contacts are variable between 45 and 70°.

All lithologies are subjected to strong to moderate alteration, mainly sericite and minor clay, silicic and locally epidotization. Pyrite dissemination and subordinate -veining is abundant (Figure 31 and 32). The content of fluorite is low compared to the Tronka area. Molybdenite dissemination is ubiquitous in the rhyolite and also occurs in lapilli tuff and ignimbrite. Molybdenite and pyrite are typically enriched in mm-scale bands parallel to flow bands in the altered rhyolite (Figure 32 and 33).

In areas lacking flow banding, molybdenite and pyrite can be more evenly dispersed, like at 75-82 m, where rhyolite breccia with silica nodules is impregnated with molybdenite, and abundant pyrite occurs as irregular veining (Figure 33). This is very similar to the prospect at E566596, N6583291, and they are probably connected.

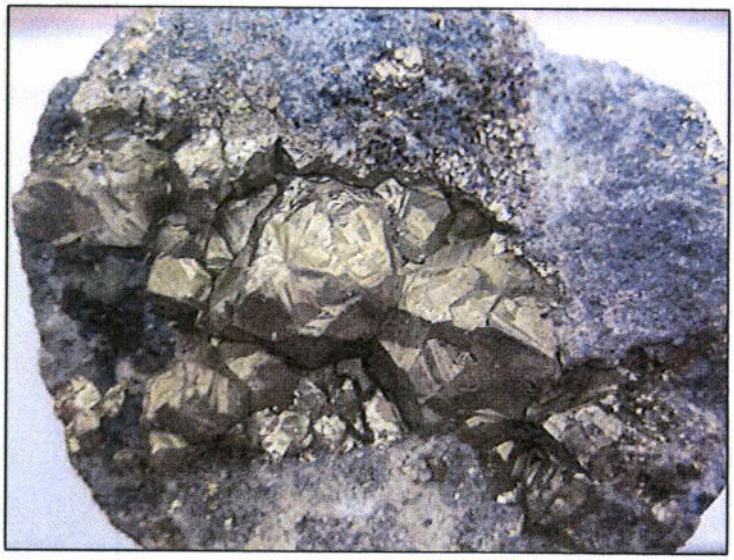


Figure 31. Coarse-grained pyrite, and purple and green fluorite in open-space vein perpendicular to the core axis (235,05 m).

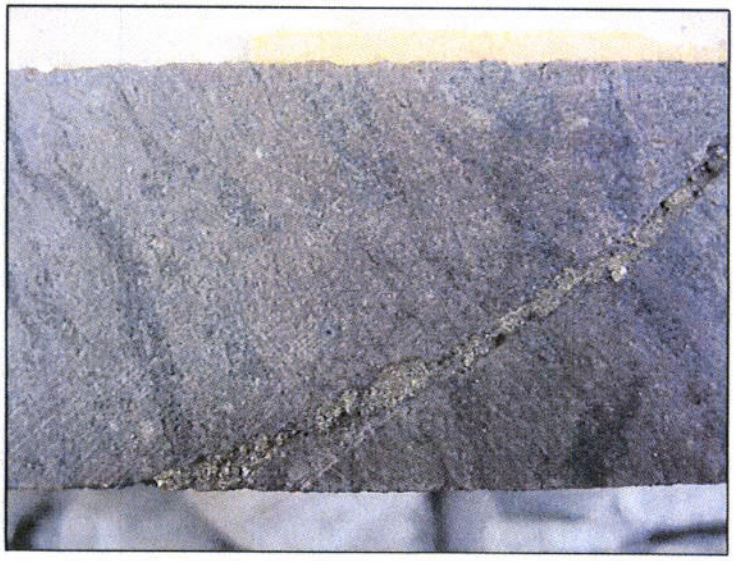


Figure 32. Pyrite vein and molybdenite-pyrite dissemination bands (dark) in rhyolite (272,35 m).



Figure 33. Bands of molybdenite and pyrite in altered rhyolite (95,50 m).



Figure 34. Rhyolite breccia with silica nodules, molybdenite dissemination and pyrite veins (76,40 m).

Few-cm wide sericitized channels with molybdenite and pyrite occur throughout in all lithologies (Figure 35 and 36). Figure 37 shows a 4 cm wide brecciated molybdenite vein with wall-rock fragments. Both fragments and wall-rock are heavily sericite- and clay altered.



Figure 35. 2 cm wide sericite-molybdenite-pyrite vein, also surrounding phenocryst in altered intermediate flow (371,25 m).



Figure 36. 1 cm wide molybdenite-pyrite-sericite vein (dark) in lapilli tuff (43,70 m).

Fracture coating of molybdenite is almost absent, except in the lower part (345-390 m), in the intermediate flow. These mineralized fractures and some scarce molybdenite-sericite veins could explain the north-south anomaly trend at Bråten, as is the case at Tronka West, where fractures with the same direction are the main molybdenite trap. This could mean that the east-west trending soil anomalies parallel to the ring fracture are caused by percolating metal fluids ascending along permeable bands mainly in the rhyolite, while north-south anomalies can be ascribed to north-south fracturing where molybdenite is

transported and deposited as fracture coating.



Figure 37. 4 cm wide brecciated molybdenite vein with sericite- and clay altered wall-rock and breccia fragments (355,00 m).

The lapilli tuff and ignimbrite between 40 and 62 m contain scattered clasts of fine-grained sericite, molybdenite and pyrite (Figure 38). These mineralised, heavily sericite altered clasts could point towards a common source for the rhyolite and ignimbrite and lapilli tuff – that these pyroclastics are vented out from the rhyolite dykes or pipes. In that case these pyroclastics are not a part of the Stulsås Formation.

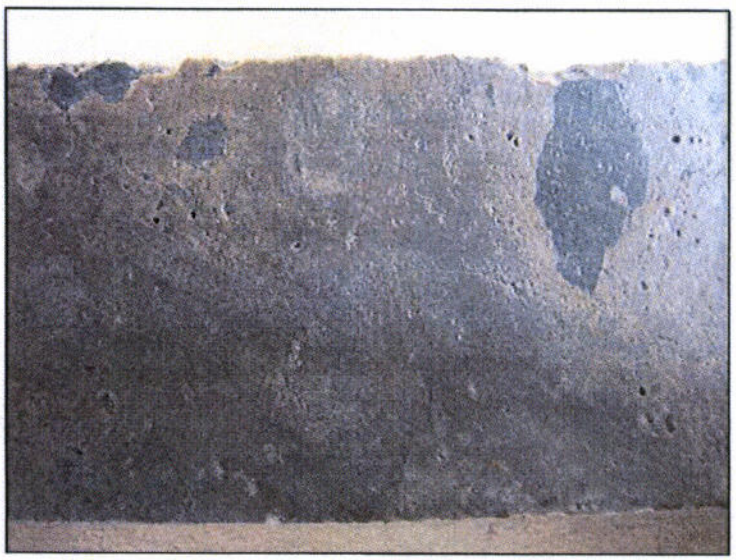


Figure 38. Lapilli tuff with sericite-molybdenite-pyrite clasts (dark) (45,10 m).

Average content in the interval 70-290 m (the sections 225-230 m, 235-240 m and 245-265 m are not analyzed due to no observed molybdenite) is 246 ppm MoS_2, with the best

intersection between 200 and 220 m, assaying 570 ppm MoS_2. The interval 40-50 m assays 387 ppm MoS_2. From the intersection of the ring dyke syenite and below, the MoS_2 content drops to average 58 ppm between 290 and 385 m (the interval 300-315 m is not analyzed due to no observed molybdenite).

Dh 6 (0°/45°) is drilled due north along an extensive north-south structure to intersect a WNW-ESE trending soil anomaly. Down to 60 m depth is alternating, few meter long intersections of ignimbrite and rhyolite. Intersections of these are found throughout the length of the entire hole, but from 60 m depth trachytic flows and both trachytic and rhyolitic lapilli tuffs are encountered, and from 233 m, ring dyke syenite.

This resembles the situation in Dh 5, and the intersections of the most extensive rhyolite dyke in both holes bear resemblance (see Appendix 5). It is probably the same continuous dyke. In Dh 5 the intersection is 57 m and in Dh 6, 67 m. Both are spherulitic and flow banded, and include rhyolite breccia a few meters below the upper contact. The lower contact of this rhyolite is in Dh 6 90° to core axis, and the flow banding is mainly 70-90° to core axis. This means that the rhyolite dyke dips 45-50° to the south, which is in accordance with measurements of outcropping flow banded rhyolite in the area, which is 35-50°, striking WSW-ESE. This means that the rhyolite intersections are close to true thicknesses. A rhyolite contact lower down is 80° to the core axis, while a series of thin rhyolite intersections in the upper part of the hole possibly are sills.

Similar to Dh 5 the rhyolite, and to lesser degree ignimbrite and lapilli tuff, carry molybdenite dissemination, frequently enriched in mm-thin bands parallel to flow banding (Figure 39).



Figure 39. Molybdenite bands in lapilli tuff (264,30 m).

Probably due to the above mentioned drilling along the north-south structure, the majority of recorded mineralized fractures and veins have angles to core axis at 0-30º. This hole reveals extensive and wide (> core diameter) quartz veins (Figure 40, 41 and 42), many of

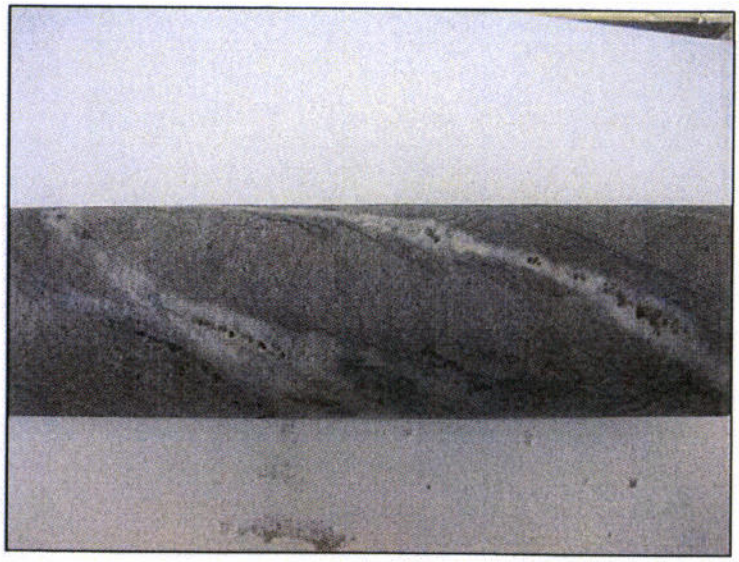


Figure 40. Open space quartz veins with molybdenite along contacts, hosted in altered rhyolite (222,15 m).

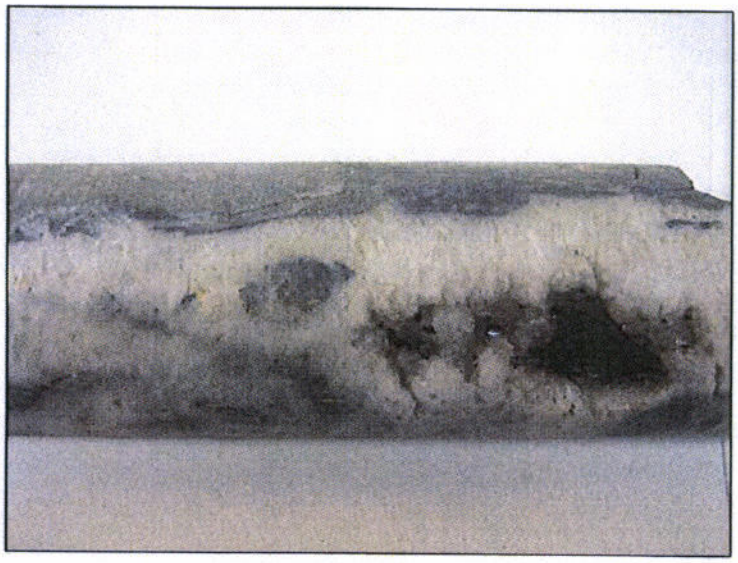


Figure 41. Open space quartz(-fluorite-calcite-pyrite) vein with molybdenite along contacts, hosted in trachytic lapilli tuff (246,00 m).

which have a north-south strike (parallel to core axis). They are open space and ribbon type, with sheets of molybdenite incorporated, occasionally with subordinate fluorite, calcite and pyrite, and frequently with molybdenite along contacts and disseminated in the wallrocks. At E567087, N6582968, 185 m SSE of Dh 6, a 2-4 cm wide open space quartz vein with



Figure 42. Open space quartz vein with inter-laminar sheets of silicates and subordinate molybdenite, cut by later, barren quartz vein (251,45 m). Probably the same vein as in Figure 41.

sphalerite (sample assayed 0,29% Zn) along contacts is encountered. It is hosted in ignimbrite and have a strike of 17°/70°, while the fracturing is oriented 10°/70°.

Also calcite veins with low angle to core axis are encountered a few places. Figure 43 shows an irregular calcite vein with molybdenite-disseminated wallrocks. Figure 44 shows a calcite-fluorite-pyrite vein, reactivated with brecciation and clay alteration. Like Dh 5, Dh 6 illustrates low fluorite content in the Kjønnerød area compared to Tronka. Figure 45 shows brecciated, red and unaltered rhyolite with quartz matrix.



Figure 43. Irregular calcite vein with molybdenite dissemination at least 2cm outwards into the host rock (34,50 m).

The highest grade section in Dh 6 is 878 ppm MoS_2 between 25 and 40 m depth. Five other



Figure 44. Calcite-fluorite-pyrite vein, reactivated with brecciation and clay alteration (204,90 m).

10 m sections contain between 193 and 727 ppm MoS_2 – otherwise generally below 100 ppm.



Figure 45. Brecciated, red and unaltered rhyolite with quartz matrix (253,00 m).

6. Core quality and recovery

To asses the quality of the cores several measurements were carried out during logging and Total Core Recovery (TCR), Solid Core Recovery (SCR) and Rock Quality Designation (RQD) have been calculated for all the drill cores.

TCR are calculated after the following definition; Total core recovery (TCR) = (Total length of core recovered / Drilled length) x 100, and the results are listed in Table 2.

As seen in Table 2, TCR is very good for all the drill holes. However, even if the recovery of core is very good the quality of the core may be poor, and here the measurements of solid core recovery (SCR) is perhaps more relevant. SCR are calculated after the following definition; SCR = (Total length of core in pieces > core diameter / Drilled length) x 100. Core sections of this length are only included if a full core diameter exists. SCR results for the Ramnes drill core is listed in Table 2.

	DH 1	DH 2	DH 3	DH 5	DH 6	DH 8
TCR (%)	100	100	99.7	98	98.7	100
SCR (%)	76	75	84	84	82	92
RQD (%)	67.1	63.7	77.6	73.1	67.9	82.5
RQD rating	Fair	Fair	Good	Fair	Fair	Good

Table 2. TCR, SCR, RQD and RQD ratings for all drill cores at Ramnes.

SCR and RQD are measured and calculated in percent for every 5 m sections (see log sheets, Appendix 4) to asses the core quality down the hole. This is shown graphically in Appendix 5.

Overall, all drill cores have good SCR values with DH 1 and 2 being slightly lower than for the rest of the drill cores.

RQD (rock quality designation) is developed to provide a quantitative estimate of rock mass quality, and is based on the percentage of intact core pieces longer than 100 mm in the total length of the core and is calculated as RQD = (Length of core pieces > 100 mm / Drilled length) x 100. RQD was measured for all cores and results are shown in Table 2. RQD are classified after specific intervals shown in Table 3.

As seen in Table 2, the RQD ratings are fair to good. Low SCR and RQD values could indicate that fine material may have been lost from the core sections due to severe fragmentation and therefore sampling and following assay result may not reflect the actual grade of the core (Annels, A.E & Dominy, S.C, 2005). With fair to good RQD ratings for the Ramnes cores

it is assumed that no severe or significant loss of material has taken place during sampling.

RQD (%)	Rating
0-25	Very poor
25-50	Poor
50-75	Fair
75-90	Good
90-100	Excellent

Table 3. RQD classification and rating.

7. Magnetic susceptibility

The susceptibility is measured by scanning at least 10 cm of every meter-section, giving an average value for every meter interval (given in the log sheets, Appendix 4) and presented graphically in Appendix 5.

Even weak alteration removes magnetite. When the alteration is strong, susceptibility is always close to zero in all lithologies. Even the ring dyke syenite, which in unaltered condition shows 1500-5000, drops to 1 when affected to strong alteration. The Stulsås Formation pyroclastics typically have susceptibilities in the area 10-20. In addition to ring dyke syenite, also diabase, rhomb porphyry, and intermediate and mafic flows are high in susceptibility (2000-10000) due to disseminated magnetite.

The applicability of regional magnetic survey in targeting molybdenite mineralisation in this area is of limited value, due to the similarities in susceptibility between alteration zones and unaffected Stulsås Formation lithologies. To the south-west however, the ring-fracture zone has the Høyjord Formation rhomb porphyries with higher susceptibility as wall-rocks. In this case airborne magnetic survey is expected to prove successful in targeting potential alteration zones.

Norsk Hydro conducted ground geophysics along the northern caldera rim and concluded in delineating a weak mag-low anomaly in the Kjønnerød area. Due to occurrence of conductive marine clay in the overburden, the resistivity survey proved ineffective. The IP survey concluded with: 'positive IP-effects can be correlated with areas of pyrite dissemination'.

8. Explanation to the log sheets

Lithologies encountered in the drill holes have the following abbreviations in the log sheets enclosed in Appendix 4:

DI	Diabase	
RH	Rhyolite	
GR	Aplitic granite	
RD	Porphyritic ring dyke syenite	
IG	Rhyolitic ignimbrite	Stulsås Formation
LT	Rhyolitic lapilli tuff	
TR	Trachytic flow	
TI	Trachytic ignimbrite	
TT	Trachytic lapilli tuff	
TU	Tuff	
VS	Volcanogenic sediment	
PB	Pyroclastic breccia	
AG	Agglomerate	
IF	Intermediate flow of probable trachyandesitic composition (latite)	
MF	Mafic flow	
RP	Rhomb porphyry	Kjønnerød Formation

Alterations of sericite, silicic, clay and pyrite are graded in four levels, from 0 to 3, where 0 is unaffected of alteration, 1 is weak, 2 is moderate to strong, and 3 is pervasive. If the sum of sericite and silicic alteration is ≥ 3, the alteration is pervasive. The intensity of alteration is given each 5 m interval.

The types of molybdenite mineralisation, being fracture coating (F), veins (V) or dissemination (D), are given for each 5 m section with the number of veins and fractures. The directions of veins and fractures relate to angle to the core axis.

Graphical drill hole collars including lithologies, MoS_2-grade, susceptibility, Rock Quality Designation (RQD) and Solid Core Recovery (SCR) are presented in Appendix 5.

9. Conclusion and recommendations

Molybdenite mineralisation occur along the north-western rim of the Ramnes cauldron over a distance of at least 3,5 km, where dykes of porphyritic syenite and rhyolite are intruded along the ring fracture at a late stage. Fine-grained molybdenite occurs as dissemination, mainly in rhyolite, lapilli tuff, and ignimbrite, and in sericite veins, breccia feeders, quartz veins, and as fracture coating.

The molybdenum in the intrusion was concentrated by magmatic processes (differentiation), and transported by magmatic-hydrothermal fluids, and the host-rocks have experienced vapor-phase alteration that resulted in alteration assemblages. The mineralisation is accompanied by sericitization, silicification, clay alteration, pyritization and epidotization, which suggests that intense hydrothermal activity has occurred. The influence is expressed in pervasive alteration (mainly sericitic) affecting large volumes of mainly rhyolite and porphyritic ring dyke syenite, as well as local sericite envelopes around pyrite ± molybdenite seams. Local alteration zones often demonstrate zonation. This is especially evident in the ring dyke syenite, where a central zone of sericite alteration (phyllic) is developed, often around pyrite veinlets, grading outwards into the propylitic zone with epidotization. Further outwards the syenite is clay altered, and with decreasing alteration only the feldspar phenocrysts are affected in the argillic zone.

The fluorine distribution is associated with the alteration event, and fluorine can be a favourable volatile for the transport of molybdenite and other lithophile elements. Fluorite is enriched in the Tronka and probably Solberg areas compared to Kjønnerød, with frequent fluorite veining and abundant dissemination.

If a model is postulated with a source below Kjønnerød, fluorine could have migrated further away due to its mobility, as could be the case with the base metals. Mo-F-Zn-Pb-Ag-rich veins occur at Tronka and Solberg. Ag-Pb-Zn veins are often known to be present as distal expressions around porphyry molly deposits. Typical geochemical signature for rift-type molybdenum deposits are Mo-Sn-W-Rb anomalies near ore zones, and Pb-Zn-F-U anomalies in peripheries up to two km.

The strong molybdenum enrichment in the Kjønnerød rhyolite suggests a genetic link between the rhyolite volcanism and the molybdenite mineralization. Molybdenite is concentrated in the permeable rhyolite itself, often as mm-wide diffuse bands elongated parallel to the magmatic preferred orientation, or in zones of rhyolite breccia. Molybdenite is also deposited in fractures, veins and as weaker disseminations adjacent to the rhyolite dykes or domes.

The presumed importance of interfering east-west and north-south structures for the emplacement of rhyolite domes is not verified by the drilling. It was presumed that rhyolite domes and their associated mineralizing systems were localized by the intersections of the

east-west structural zone along the ring fracture, and cross-cutting north-south faults, and that the conduits served as pathways during the emplacements of rhyolite domes and the formation of possible deeper intrusions. Outcrops in the Tronka area and information from the drill holes indicate that the rhyolite is intruded as extensive dykes along the ring fracture. The main dyke is more than 400 m long, 55-65 m thick and carries molybdenite dissemination. It includes rhyolite breccia close to the upper contact. The dyke is intersected by Dh 5 and 6 and exposed in an old prospect. It has an east-west strike, and from the drill hole intersections it seems to dip approximately 45° to the south. In the prospect the magmatic foliation is 25° to the SSW. Parallel dykes are also intersected, as are presumably sills.

Outcrops around the Solberg prospect suggest sill emplacement or possibly as a lacolith. At Ilestadvannet however, the rhyolite intersected by Dh 8, extending southwards from the rhyolite dykes at Tronka, has a different character, with features like extreme development of flow banding in the entire 220 m wide intersection, several autobreccia horizons, and vesicles filled with fluorite, epidote, calcite, pyrite and occasionally molybdenite. Possibly this represents rhyolite flows extruded from the dyke-shaped vent, and constitutes of several flows and interlayered volcanogenic sediment. As the flows cooled, the viscous flow bands broke up into fragments and formed autobreccia. The sole of the lowermost rhyolite flow is a black pitschstone-like zone of 3,5 m thickness.

The Kjønnerød area also has indications of extrusion from the rhyolite dyke(s). Dh 5 intersects unaltered ignimbrite and lapilli tuff with pervasively sericite altered clasts with molybdenite-pyrite dissemination. These are possibly extrusives derived from the young rhyolite. Such mineralized clasts are not observed in the older, surrounding pyroclastics belonging to the Stulsås Formation.

Remaining questions are if a buried porphyry system with stockwork development occurs below the rhyolite, or if not, if the molybdenite-impregnated rhyolite dykes develop towards depth, enough to bear economic potential.

The pervasive and extensive alterations suggest the presence of an underlying magma chamber which could drive the hydrothermal circulation system, the presence of alcalic silicic melt which generated an important volume of vapor phase where fluorine and molybdenum have been partitioned. A potential buried magma chamber may not have developed a stockwork mineralization, but instead fluids may have escaped and deposited molybdenum through forceful emplacement along breccia channels (Ilestadvannet and Tronka), and by slow percolation of escaping fluids, depositing molybdenite-dissemination in the rhyolite (Kjønnerød).

The considerable quartz-molybdenite veins near the bottom of Dh 6 are positive signs. They bear witness of multiple pulses, with sheeted molybdenite mineralization.

Drilling to deeper levels is proposed in the Kjønnerød area, suggesting two holes from

positions south of Dh 5 and 6, drilling with a steeper inclination.

10. References

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APPENDIX 1

Table 1. Assay results for surface rock samples, ALS Chemex method ME-MS61, Ramnes 2006.

Sample no	UTM X	UTM Y	Description	Location	Year	Sampled by	ME-MS61 MoS2 %	ME-MS61 Mo ppm	Mo-AA62 Mo %	ME-MS61 Ag ppm	ME-MS61 Bi ppm	ME-MS61 Pb ppm	Pb-AA62 Pb %	ME-MS61 Zn ppm	Zn-AA62 Zn %
100453	568900	6581700			2006	BR	0.0010	5.96		0.43	0.03	13.7		58	
100454	568170	6583750		Solberg	2006	BR	6.0092	>10000	3.62	14.50	51.4	273		8	
100455	568118	6583686		Solberg	2006	BR	0.7088	4270		39.90	67.2	491		81	
100456	568118	6583686		Solberg	2006	BR	9.6944	>10000	5.84	33.60	152.5	1230		62	
100457	568118	6583686		Solberg	2006	BR	0.0425	256		0.14	0.74	52.2		110	
100458	568165	6583684		Solberg	2006	BR	0.1278	770		6.32	15.5	2260		9300	
100459	568145	6583798		Solberg	2006	BR	0.0417	251		0.06	0.2	29.4		183	
100460	566653	6583292		Kjønnerød	2006	BR	0.0311	187.5		<0.01	0.6	27.9		81	
100461	566598	6583293		Kjønnerød	2006	BR	0.0211	127		<0.01	1.22	8.1		9	
100462	566833	6583189		Kjønnerød	2006	BR	0.0196	118		<0.01	0.77	17.4		357	
100463	566833	6583189		Kjønnerød	2006	BR	0.0019	11.15		0.08	0.09	29		35	
43501	567022	6583307	Rhy/ignimb w diss py and possibly very fine-grained Mo	Kjønnerød	2006	RW/JB	0.0535	322		0.75	1.34	14.7		24	
43502	566894	6583250	Rhyolite w diss py	Kjønnerød	2006	RW/JB	0.0012	7.11		0.21	0.12	29		86	
43503	566809	6583255	Sericitized rhyolite w diss py and poss Mo	Kjønnerød	2006	RW/JB	0.0433	261		0.26	0.46	21.6		46	
43504	566597	6583298	Sericite altered rhyolite w diss py and Mo. Fluorite	Kjønnerød	2006	RW/JB	0.0367	221		0.37	1.99	8.3		6	
43505	566597	6583298	Local float. Sericite altered rhyolite w diss py	Kjønnerød	2006	RW/JB	0.0450	271		0.23	0.64	4.1		32	
43506	566596	6583291	Sericite-chlorite altered rock w abundant py and Mo	Kjønnerød	2006	RW/JB	0.1057	637		0.12	1.55	6.3		14	
43507	566596	6583291	Sericitized, chloritized rock w abundant py and locally Mo	Kjønnerød	2006	RW/JB	0.1282	772		0.33	2.14	8.2		7	
43508	565975	6583097	Fine-grained Mo in breccia, very rusty and ser-chl altered	Kjønnerød south	2006	RW/JB	0.0165	99.5		0.18	0.29	11.1		32	
43509	566230	6583051	Diss Mo in sericitized rhyolite fragment in breccia. Py fracture fillings	Kjønnerød south	2006	RW/JB	0.0412	248		0.39	0.56	19.9		207	
43510	565578	6583629	Sericite altered breccia w diss py	Nabberen	2006	RW/JB	0.0059	35.7		0.59	1.07	19		18	
43511	565472	6583149	Sericitic contact to diabase (8-10m wide) w diss mo, py, fluorite	Tronka east	2006	RW/JB	0.2764	1665		0.51	4.36	23		12	
43512	565472	6583149	Sericitic contact to diabase (8-10m wide) w diss mo, py, fluorite	Tronka east	2006	RW/JB	0.0196	118		<0.01	1.7	8.4		66	
43513	565472	6583149	Sericitic contact to diabase (8-10m wide) w diss mo, py, fluorite	Tronka east	2006	RW/JB	0.8184	4930		<0.01	7.77	46		12	
43514	565491	6583150	Sericite altered rock w diss py, mo	Tronka east	2006	RW/JB	0.0294	177		<0.01	1.43	10.7		10	
43515	565515	6583167	Vein network of ser+Mo+Py w breccia fragments in ser-clay altered fsp porphyry	Tronka east	2006	RW/JB	0.1162	700		<0.01	2.08	21.5		15	
43516	565265	6582956	Sericitic, light-grey rock w diss Mo, Py. Zone associated w undulating fracture zone 142/70. 2-20m t	Tronka west	2006	RW/JB	0.1685	1015		<0.01	1.06	12.1		5	
43517	565250	6582937	Sericite rock w diss py and possibly Mo	Tronka west	2006	RW/JB	0.0295	178		<0.01	0.41	5.9		3	
43518	565237	6582922	Sericite rock w diss py, mo, 20cm thick lensoid ass to fracture zone 163/90	Tronka west	2006	RW/JB	0.0124	74.4		<0.01	0.35	6.2		6	
43519	565190	6582910	Mo in fracture (and a few cm into wallrock) in sericitic rock	Tronka west	2006	RW/JB	0.0730	440		<0.01	0.12	5.6		8	
43520	565167	6582891	Mo in fracure 341/85 and immidiate sericitic host rock (few cm)	Tronka west	2006	RW/JB	0.1003	604		<0.01	0.22	4.8		8	
43521	569407	6583528	Red fine-gained rhyolite w stockwork of black joints	Hasle	2006	RW/JB	0.0004	2.63		<0.01	0.11	20.2		50	
43522	568039	6581543	Rhyolite w py-diss	Gislerød	2006	RW/JB	0.0216	130		<0.01	0.88	77.7		212	
43523	568041	6581547	Sericite alt rhyolite w py-diss and fluorite	Gislerød	2006	RW/JB	0.0045	27.2		<0.01	0.28	25.8		85	
43524	568046	6581558	Rhyolite w dark py(-Mo?)-seams	Gislerød	2006	RW/JB	0.0045	27.1		<0.01	0.22	14		37	
43525	568055	6581558	Rhyolite w seams of qtz-py(-Mo?)	Gislerød	2006	RW/JB	0.0034	20.7		<0.01	0.22	19.3		60	
43526	562446	6592066	60cm thick Mo-py vein in rhyolite, chip spl over 60cm thickness	Bergsvann	2006	RW/JB	0.0994	599		<0.01	0.11	32.5		8	
43527	562444	6592057	Breccia zone w py and Mo	Bergsvann	2006	RW/JB	0.0238	143.5		<0.01	0.09	35.4		3	
43528	562455	6592028	Rhyolite w Mo veinlet	Bergsvann	2006	RW/JB	0.3718	2240		5.61	0.3	956		3930	
43529	562469	6591830	Sericite alt grey rhyolite w py-diss	Bergsvann	2006	RW/JB	0.0042	25.5		<0.01	0.09	43.9		44	
43530	562469	6591835	Rhyolite w thin Mo veinlets	Bergsvann	2006	RW/JB	0.0011	6.55		<0.01	0.08	89.7		441	
43531	562466	6591846	Sericite alt rhyolite w Mo veinlets	Bergsvann	2006	RW/JB	0.0330	198.5		<0.01	0.33	32.7		16	
43532	562466	6591851	Sericite alt rhyolite w Mo veinlets	Bergsvann	2006	RW/JB	0.0196	118		<0.01	0.42	29.9		16	
43533	565160	6582889	Sericite alt rhyolite w Mo(?) at fracture	Tronka west	2006	RW/JB	0.0243	146.5		<0.01	0.12	2.9		3	
43534	565305	6582451	10cm thick Mo-py vein	Ilestadvannet	2006	RW/JB	9.1798	>10000	5.53	31.60	182.5	2400		>10000	1.29
43535	565305	6582451	10cm thick Mo-py vein	Ilestadvannet	2006	RW/JB	1.0641	6410		4.33	49.4	787		>10000	1.39
43536	565305	6582447	Silicified Mo-py vein	Ilestadvannet	2006	RW/JB	1.4143	8520		4.49	12.35	1440		1190	
43537	565305	6582451	10cm thick fluorite-Mo-py vein	Ilestadvannet	2006	RW/JB	7.9182	>10000	4.77	42.80	370	7380		>10000	2.65
43538	566695	6583397	Rhyolite w py-diss (Mo?)	Bråten	2006	RW/JB	0.1125	678		0.34	2.51	51.5		78	
43539	567325	6583390	Weathering product (in situ) of Mo-mineralised, ser alt rhyolite	Kjønnerød	2006	RW/JB	0.3420	2060		2.50	6.91	201		6200	
43540	568090	6583660	10-30cm thick syenite dyke w diss to semimass py-ga-Mo min	Solberg	2006	RW/JB	0.1565	943		62.10	161	>10000	8.1	6350	
43541	568090	6583660	Mo-min(?) cont betw alt ringdyke and overlying rhyolite, 30cm from 43540	Solberg	2006	RW/JB	0.1843	1110		1.30	2.38	536		553	
43542	568071	6583648	Rhyolite w Mo-diss(?)	Solberg	2006	RW/JB	0.3104	1870		0.38	3.3	107.5		31	
43543	568067	6583644	Rhyolite w Mo-diss(?)	Solberg	2006	RW/JB	0.5229	3150		9.31	34.5	341		34	
43544	568092	6583663	Siliceous finegr Mo-py min	Solberg	2006	RW/JB	1.0126	6100		16.50	31.9	210		45	
43545	568099	6583666	Chip spl over 1.30m wide Mo-min	Solberg	2006	RW/JB	0.9860	5940		8.82	29.4	314		59	
43546	568099	6583666	Mo-py-min	Solberg	2006	RW/JB	5.0298	>10000	3.03	44.80	54.5	489		16	
43547	565120	6582860	Sericite alt rhyolite w py(-Mo?) diss	Tronka west	2006	RW/JB	0.0465	280		0.32	1.16	16.3		20	
43551	565574	6583596	Sericitic altered rock w py and possibly Mo	Nabberen	2006	RW/JB	0.0028	16.7		<0.01	1.98	46.7		74	
43552	562446	6592069	Mo rich zone, 3-5cm wide, flat-lying in rhyolite with py	Bergsvann	2006	RW/JB	0.1233	743		<0.01	0.13	37.8		6	
43553	566724	6583223	Grey, ser alt rhyolite "float" with Mo	Kjønnerød	2006	RW/JB	0.1097	661		0.69	3.24	41.1		15	
43554	568102	6583683	Chip over 2.7m of 3 Mo mineralised zones	Solberg	2006	RW/JB	0.2357	1420		1.49	4.46	363		78	
43555	568102	6583683	High-grade Mo zone in chip profile (43554)	Solberg	2006	RW/JB	2.5564	>10000	1.54	18.75	22	676		49	

Table 1. Assay results for surface rock samples, ALS Chemex method ME-MS61, Ramnes 2006.

	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Al	As	Ba	Be	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Na	Nb
Sample no	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
100453	8.23	28.9	400	5.33	0.19	0.03	440	0.3	6	1.64	1.4	3.44	41.4	0.43	35.7	0.206	3.91	237	23.2	0.42	204	3.19	335
100454	0.13	<0.2	30	1.03	0.02	<0.02	431	0.9	6	0.57	26.2	8.06	7.86	5.22	24.8	2.6	0.04	202	21.7	<0.01	48	0.02	131
100455	0.16	8.9	20	1.05	0.05	<0.02	372	1.5	2	0.16	67.3	14.55	3.32	0.79	36.1	2.04	0.04	182	8	0.05	273	0.02	161.5
100456	0.18	29.6	60	1.9	0.08	<0.02	>500	25.1	<1	<0.05	42.6	17.95	6.91	2.05	45.1	<0.005	0.05	293	12.2	0.07	631	0.02	192.5
100457	5.78	9.2	160	3.73	0.05	<0.02	118.5	0.3	2	1.78	3.9	1.9	28.3	0.14	32.6	0.097	3.44	49.5	4.1	0.15	267	1.72	229
100458	0.27	17.4	30	1.34	0.01	20.9	263	4.3	<1	0.08	203	25.1	5.19	0.77	1	0.441	0.08	123.5	13	0.01	131	0.01	87.6
100459	8.1	3.3	440	2.23	0.59	0.03	400	4.1	1	1.52	5.5	4.74	35.6	0.43	31.8	0.112	4.03	217	4.5	0.21	994	3.21	190
100460	6.68	2.7	30	1.57	0.02	0.06	23	0.3	1	2.71	2.3	1.09	37	<0.05	16.8	0.037	2.72	11.5	1.9	0.02	219	0.07	182
100461	5.45	3.8	60	1.34	0.01	<0.02	204	1.5	28	2.18	1.2	1.4	27.2	0.18	19.9	0.013	2.19	99.3	3.1	0.03	97	0.06	140
100462	5.89	5.6	20	3.23	0.01	0.38	127	0.3	1	0.9	2.6	2.01	34.4	0.13	24.5	0.375	2.61	56.1	3.4	0.15	149	0.06	178.5
100463	7.03	1.5	190	2.67	0.01	<0.02	338	0.2	2	1.01	1.2	2.08	37.1	0.28	24.9	0.089	3.2	176	2.7	0.04	79	4.48	106
43501	7.14	3.2	90	5.8	0.02	<0.02	126	0.3	4	2.74	18.5	1.44	45.4	0.15	36.4	0.336	2.95	70.7	6.1	0.08	228	0.05	332
43502	5.46	6.3	220	4.15	0.37	0.15	112.5	5.3	50	1.71	9.2	2.3	20.2	0.19	14.4	0.081	2.53	55.8	15.4	0.38	604	1.73	106
43503	6.76	3.6	40	5.65	0.03	<0.02	156	0.8	7	3.19	3.8	2.02	38.1	0.24	34.1	0.179	2.98	60.4	6.2	0.18	486	0.05	228
43504	4.34	4.4	80	1.53	0.74	<0.02	160.5	3	26	2.51	4.2	3.05	19.5	0.28	17.2	0.007	1.74	73	3	0.04	87	0.05	137
43505	6.6	2.6	20	1.74	0.01	<0.02	39.4	0.3	6	3.85	3.2	1.52	26.4	0.13	24.1	0.022	2.55	23.7	3.3	0.02	84	0.07	230
43506	6.01	5.3	20	1.36	<0.01	<0.02	291	0.3	5	1.87	2.9	1.85	26.8	0.93	16.2	0.231	2.49	110	2.9	0.03	154	0.04	175.5
43507	5.53	3.3	140	1.1	<0.01	<0.02	>500	0.7	5	1.94	5.8	6.52	25.3	0.85	19.8	0.063	2.23	338	4.6	0.03	148	0.04	186.5
43508	6.47	1.5	40	5.16	0.06	<0.02	164	1.5	3	2.05	2.1	2.25	38.2	0.25	29.5	0.077	2.92	77.2	11.4	0.35	380	0.04	140
43509	5.74	10	50	11.6	0.08	0.06	193.5	5.9	2	2.14	4.3	4.12	34.1	0.29	28	0.238	2.68	111.5	23.6	0.37	338	0.04	145
43510	5.05	2.1	20	4.48	0.02	<0.02	49.6	0.7	1	0.67	7.4	3.09	21.3	0.17	39.2	0.121	2.12	21	9.6	0.07	87	0.09	353
43511	14.45	6.1	580	4.83	0.01	<0.02	>500	0.5	1	3.4	2.2	2.89	51	1.14	116.5	0.181	5.27	305	14.4	0.13	51	0.27	379
43512	8.67	2.1	240	2.41	0.15	<0.02	364	4.3	5	2.37	4.4	3.83	38.7	0.49	34.6	0.729	3.74	185	6.9	0.1	61	0.09	245
43513	13.95	2.7	370	3.97	0.14	<0.02	>500	8.5	5	2.4	5.2	5.28	40.3	0.88	77.8	0.13	5.71	267	21.2	0.17	52	0.48	403
43514	8.62	4.1	160	2.45	0.13	<0.02	490	2	2	2.17	6.6	2.38	46.6	0.47	32.4	0.422	3.59	264	10	0.1	73	0.12	232
43515	7.14	4.1	150	4.48	0.05	<0.02	224	2.8	4	2.56	8.9	2.48	29.2	0.32	30.5	0.123	3.02	114	8.3	0.18	103	0.06	170
43516	5.99	0.6	190	2.08	0.02	<0.02	96	0.4	3	4.76	1.4	0.4	19.65	0.08	7.8	<0.005	2.18	65	5.1	0.06	76	0.07	99.1
43517	6.69	1.3	150	1.72	0.02	<0.02	52.9	0.4	3	2.44	3.9	0.61	24.7	0.07	8.6	0.009	2.16	41.7	11.6	0.02	47	0.08	142
43518	5.87	1.1	100	2.52	0.04	<0.02	61	0.4	2	5.41	2.7	0.69	23.1	0.08	6.8	0.009	2.07	45.2	5.9	0.07	75	0.08	125.5
43519	6.11	2.1	110	2.35	0.03	<0.02	115.5	0.3	2	4.15	3.3	0.44	20.9	0.14	8.3	0.008	2.32	81.1	4	0.03	140	0.06	144
43520	4.96	2.2	180	1.53	0.06	<0.02	116	0.7	3	2.57	2.1	0.45	15.4	0.1	9	<0.005	1.86	91.8	5.4	0.1	124	0.07	148
43521	6.62	0.9	100	8.52	0.02	0.02	101.5	0.4	2	1.93	1.6	2.1	32.4	0.2	36.3	0.128	3.53	35.8	2.6	0.03	215	2.94	313
43522	5.81	12.2	60	3.54	0.01	0.11	99.8	0.2	3	1.83	3.7	1.92	33.1	0.21	41.5	0.203	2.58	40.8	9.8	0.18	416	0.07	333
43523	5.62	6.5	50	4.65	0.01	0.06	105.5	0.3	3	1.95	3.2	1.88	33.4	0.19	33.6	0.184	2.53	41.8	13.3	0.24	567	0.05	265
43524	6.4	1.9	100	2.26	0.01	<0.02	73.5	0.2	7	1.32	1.8	1.51	30.1	0.19	37.4	0.079	4.19	23.7	7.3	0.07	149	1.07	312
43525	6.74	1.5	190	2.82	0.02	0.03	68.4	0.2	2	1.27	2.8	1.84	33.6	0.19	38	0.105	2.96	24.8	5	0.09	376	0.06	317
43526	6.7	4.3	40	3.04	0.15	<0.02	150.5	0.3	3	7.04	4.2	2.26	44.8	0.22	69.7	0.222	2.5	98.8	9.6	0.05	75	0.06	421
43527	5.39	9.4	30	0.58	0.01	<0.02	61.6	0.2	3	3.43	1.9	5.13	28.3	0.22	49.4	0.139	1.74	47.1	2.6	0.01	42	0.16	404
43528	6.58	4.7	70	3.87	0.01	<0.02	>500	0.2	3	5.33	1.9	1.18	40.9	1.11	48.4	0.22	2.53	176	8.5	0.05	89	0.06	379
43529	5.99	45.9	30	1.57	0.01	0.02	97.4	0.2	2	10.05	0.8	1.6	32	0.2	70.2	0.192	2.2	44.8	10	0.02	26	0.05	412
43530	6.25	36.2	40	3.95	0.02	0.24	140	0.2	3	13.8	0.8	1.9	38.4	0.28	51.5	0.155	2.52	69.9	6.1	0.03	33	0.05	352
43531	7.57	48.4	30	1.83	0.02	<0.02	165	0.6	2	4.05	1	1.89	45.2	0.28	87	0.216	2.77	95.4	4	0.01	31	0.06	>500
43532	9.25	36.2	20	1.79	0.02	<0.02	219	1.5	1	4.99	1.5	2.92	59	0.38	92.2	0.206	3.58	120	3.9	0.01	25	0.07	426
43533	5.94	3.3	190	3.11	0.03	<0.02	98.7	0.5	2	2.43	3.6	0.53	18.05	0.05	8.8	0.01	2.12	56.9	5.6	0.06	44	0.08	112.5
43534	0.24	<0.2	80	1.76	0.59	7.41	>500	17.4	5	0.37	1065	1.25	6.07	2.03	165.5	18.35	0.07	274	15.2	<0.01	531	0.02	>500
43535	2.82	12.5	50	3.47	0.36	32.6	165	3.4	2	1.7	163	3.55	19.4	1.78	64	7.22	1.17	90.6	14.6	0.1	534	0.03	369
43536	0.72	<0.2	40	3.45	0.15	<0.02	490	3.3	4	0.27	100.5	1.65	6.14	2.77	30.6	<0.005	0.3	213	20.2	0.04	436	0.01	197.8
43537	0.65	11.7	50	4.19	5.77	63.55	438	10.4	2	0.81	523	17.15	10.1	2.04	177	34.9	0.29	230	10.5	0.02	835	0.01	>500
43538	4.75	0.7	70	1.76	0.03	<0.02	67	0.4	4	3.12	7.5	1.08	21.1	0.34	28.2	0.12	1.77	31.4	5.8	0.04	102	0.05	259
43539	9.1	11.7	60	9.67	0.02	6.3	364	16.9	60	8.74	78.6	6.6	70.8	0.45	82	6.3	4.56	151.5	49.9	1.04	299	0.07	>500
43540	1.99	13.6	180	4.46	0.27	7.9	155.5	6.1	<1	1.37	126.5	29.5	22.6	0.73	13.3	0.54	0.83	79.8	11.6	0.59	8620	0.01	232
43541	4.35	<0.2	60	2.67	0.01	0.14	241	0.2	2	1.9	13	1.19	26.7	0.31	31.7	0.787	1.94	110.5	16.6	0.24	169	0.03	221
43542	1.06	2.1	50	1.17	0.03	<0.02	133	0.6	5	1.05	15.5	1.5	9.38	0.37	26	0.112	0.43	66.5	9.6	0.05	128	0.03	224
43543	0.58	<0.2	30	2.53	0.02	<0.02	154	0.2	4	0.23	6.1	1.57	5.62	0.96	37.1	0.325	0.23	72.3	20.2	0.03	91	0.01	312
43544	0.39	<0.2	40	1.54	0.02	<0.02	460	0.7	2	0.31	14.2	1.69	5.55	1.67	41.7	<0.005	0.15	242	25.4	0.05	177	0.01	219
43545	1.6	14	80	4.04	0.02	<0.02	349	2	<1	0.53	17.4	10.05	12.15	1.32	24.2	0.136	0.63	167.5	15.8	0.04	92	0.02	108.5
43546	0.17	9	180	0.76	0.02	<0.02	>500	5	4	0.08	30.5	2.87	5.55	1.65	42	0.17	0.04	237	20.6	<0.01	22	0.01	194
43547	7.17	3.3	80	3.58	0.13	<0.02	210	1.8	2	3.84	3.7	2.51	31.9	0.24	22.8	0.115	2.96	108.5	16.8	0.2	83	0.05	135.5
43551	6.08	1.8	110	7.94	0.05	0.17	95.1	1	2	1.94	4	3.84	30.5	0.23	51	0.254	4	40.6	15.6	0.22	226	0.85	404
43552	5.88	6.1	20	1.38	0.01	<0.02	175.5	0.3	1	3.76	2.1	6.11	38.1	0.29	60.1	0.158	2.13	98.6	2.7	0.02	41	0.05	394
43553	5.75	<0.2	40	3.35	0.01	<0.02	190.5	0.3	2	0.83	54.5	2.04	33.9	0.24	36.4	0.249	2.36	83.8	3.6	0.1	98	0.04	249
43554	4.56	4.6	70	2.68	0.02	<0.02	395	0.4	2	2.1	18.9	1.97	27.9	0.41	25.2	0.288	1.96	216	11.3	0.19	186	0.03	163
43555	0.13	<0.2	40	1.29	0.01	<0.02	>500	0.5	2	<0.05	7.3	2.11	6.66	2.08	54.8	<0.005	0.04	467	11.2	<0.01	50	0.01	281

Table 1. Assay results for surface rock samples, ALS Chemex method ME-MS61, Ramnes 2006.

	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Ni	P	Rb	Ca	Cd	Ce	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zr
Sample no	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
100453	1	1070	270	252.20	263.38	274.57	<1	6.8	24	16.95	2.11	28.4	0.492	0.91	6.7	12	5.4	79.3	>500
100454	4.6	290	2.7	0.02	<0.02	0.01	92	50.3	8.6	3.22	139.5	53.9	0.223	2.76	29.9	93	137	94.1	>500
100455	2.6	270	3.8	0.05	<0.02	588.85	48	42.4	16.4	12.35	101	61.5	0.222	0.36	32.8	183	175	122.5	>500
100456	22.2	340	3.7	0.08	<0.02	>501	164	18.1	41.5	16.55	89.2	74	0.403	1.64	52.8	114	140	110.5	>500
100457	0.5	110	244	0.05	<0.02	143.02	1	8.1	18	16.25	0.9	42.1	0.199	0.73	12.8	5	9.7	59.3	>500
100458	2	310	6.7	135.80	161.29	186.79	34	11.7	45.8	3.24	15.9	18.9	0.108	<0.02	64.8	174	83.9	96.1	31
100459	1.7	2120	240	480.25	503.53	526.82	1	5.1	61.9	12.2	1.06	23.3	0.554	0.97	5.6	16	31.9	86.2	>500
100460	0.4	30	244	16.83	18.70	20.57	2	10.5	4	13.15	0.36	21.5	0.115	1.12	9.1	10	8.4	26.8	394
100461	5.3	140	200	0.01	<0.03	85.18	2	9.1	6.4	9.38	0.46	29	0.219	0.94	14.7	17	5.9	50.1	>500
100462	0.3	90	215	95.48	99.70	103.93	<1	7.8	3.2	12.25	0.67	35.4	0.17	0.62	10.8	12	4.9	56.4	>500
100463	0.6	530	184	0.01	<0.02	121.93	1	4.7	25.2	7.65	0.22	21.4	0.346	0.61	8.9	8	9.1	55	>500
43501	1.9	90	292	0.02	<0.02	158.62	4	19	8.4	23.3	1.44	53.6	0.119	0.84	18.3	13	20.8	78.1	>500
43502	17	170	192.5	127.62	133.11	138.59	3	4.8	49.9	6.06	2.35	26.5	0.28	0.64	7.8	16	8.1	37.3	418
43503	1	110	273	0.03	<0.02	160.04	5	8.3	7.8	13.4	1.15	43.7	0.19	0.89	15	12	7.6	108.5	>500
43504	11.1	120	180	0.74	<0.02	90.23	8	6.4	8.8	8.02	0.76	24	0.168	1.07	9.9	11	5.5	48.3	432
43505	1.2	40	269	0.01	<0.02	118.84	5	12.6	3.4	14.9	0.48	34.5	0.14	1.72	9.5	8	6.9	39.9	>500
43506	1.6	160	233	<0.03	<0.04	150.38	15	11.1	4.4	10.95	0.54	30.9	0.104	0.8	2.1	12	8.8	20.8	378
43507	2.2	360	221	<0.03	<0.04	>501	22	13.4	27.1	11.65	1	32	0.107	0.87	7.6	10	8.5	31.2	480
43508	1.4	170	277	0.06	<0.02	131.31	4	6.2	7.3	10.15	0.87	38.4	0.184	0.77	9.2	15	6.6	60.3	>500
43509	3	230	237	146.59	152.87	159.15	4	6.3	10.2	7.93	1.88	34.2	0.334	0.52	9.8	25	14.7	83.6	>500
43510	1	210	233	0.02	<0.02	132.92	5	15.3	8.5	22.3	0.39	41	0.256	0.31	15.8	7	4.4	58.4	>500
43511	0.8	830	314	0.01	<0.02	>501	22	34.7	62.8	29.8	0.69	195	0.582	3.68	34.1	169	31.4	150	>500
43512	3.6	390	315	0.15	<0.02	145.65	8	15.1	15.4	9.52	0.33	58.6	0.478	1.6	20.8	30	15.8	84.9	>500
43513	5.4	840	357	0.14	<0.02	>501	16	28.7	29	18.7	2.47	130.5	0.989	4.14	38.1	102	64.9	117	>500
43514	1.8	460	316	0.13	<0.02	155.45	6	14.4	17.5	13.9	0.42	63.6	0.3	1.6	16.5	28	14.7	55.4	>500
43515	1.6	310	231	0.05	<0.02	183.57	7	8.9	9.4	10.8	0.8	47	0.278	0.9	12.8	22	19.7	61.1	>500
43516	1	90	182	0.02	<0.02	-12.24	4	3.3	23.4	7.8	0.79	18.3	0.052	0.72	6.6	6	7	11.3	148.5
43517	0.8	60	143.5	0.02	<0.02	75.24	3	5.3	28.7	9.69	0.26	73.5	0.065	0.43	17.1	3	6.1	10.5	159
43518	0.7	70	192.5	0.04	<0.02	74.41	3	3.4	26.1	8.58	0.14	15.7	0.057	0.53	7.4	3	5.1	7.9	127
43519	0.8	130	196.5	0.03	<0.02	127.59	3	3.8	19	10.65	0.2	16.1	0.077	0.8	6.7	8	8.6	7.1	149.5
43520	1.6	120	173.5	0.06	<0.02	-17.34	3	4.3	38.1	10.95	0.35	43.7	0.082	0.73	10.6	9	7.2	6.4	166.5
43521	0.8	80	233	109.33	114.44	119.56	6	10.3	8.2	17.8	0.06	53.7	0.227	0.51	9.6	12	3.5	93.2	>500
43522	0.9	50	198	142.31	148.88	155.45	7	11.2	9.8	19.65	1.76	62.2	0.243	0.89	26	12	6.2	81.9	>500
43523	0.9	50	218	132.18	138.11	144.03	8	11.3	3.5	15.3	1.03	53.9	0.197	0.88	24.8	22	5.8	98.3	>500
43524	2.7	40	287	0.01	<0.03	112.81	7	9.3	5.7	17.6	1.37	46.5	0.22	1.14	13.2	7	5.8	93.8	>500
43525	0.7	60	215	121.46	127.21	132.96	7	10.3	17	17.45	0.53	49.1	0.225	0.97	21.3	25	11.7	99.4	>500
43526	1.9	90	206	0.15	<0.02	172.67	8	15.6	11.1	25.3	2.88	80.5	0.4	0.65	15.8	40	16.7	131	>500
43527	2.5	80	156.5	0.01	<0.02	115.24	10	13.4	10.2	21.5	10.8	47.3	0.385	0.28	8.7	24	15	89.7	>500
43528	0.7	80	173.5	0.01	<0.02	>501	11	14.3	11.7	22.8	1.69	50.8	0.357	1.38	6.3	40	2.5	155.5	>500
43529	0.9	50	130	90.46	94.50	98.54	9	14.6	6.7	23.6	4.08	104	0.397	0.05	12.5	48	5.1	142	>500
43530	2.5	40	176.5	93.39	97.43	101.48	8	13.2	20.2	21.2	3.9	68.9	0.341	0.05	17.9	41	3.4	125.5	>500
43531	3.4	120	181	0.02	<0.02	47.01	13	16.4	13.3	24.2	23.2	60.2	0.47	0.15	26.4	64	6.5	142.5	>500
43532	5.2	160	198.5	0.02	<0.02	123.26	16	19.5	9.9	23.8	22.6	27.4	0.378	0.12	23.6	57	5.1	107.5	>500
43533	3.2	110	128.5	0.00	0.33	1.30	1	4.5	34.6	10	0.11	25.3	0.078	0.42	8.5	3	5.7	7.2	179
43534	23.2	420	14.8	2.11	4.42	7.48	95	50	26.1	43.1	54.9	258	1.54	4.18	70.1	44	184	350	>500
43535	8.5	250	117.5	0.25	4.26	3.75	54	10	13.5	20.7	7.16	80.3	0.492	0.71	22.2	26	46.6	104.5	>500
43536	6.7	350	35.8	0.46	1.86	2.76	51	10	22.6	7.58	12.95	58.7	0.338	0.12	15.1	25	38	69.8	>500
43537	19.3	620	37.6	1.88	>10.0	4.46	94	40	26.5	68.6	61.9	276	1.635	3.33	80.8	11	96.1	418	>500
43538	3.1	80	193.5	0.02	0.74	0.75	6	14.7	4.8	19.65	1.4	52.7	0.096	1.41	19.7	18	11.9	55.2	>500
43539	38.2	290	600	0.13	6.71	1.56	18	18	5.5	42.7	16.1	148.3	0.809	2.13	94.3	45	26.5	187	>500
43540	3.6	120	82.8	0.09	>10.0	3.60	138	16.5	42.9	8.64	61.4	27.4	0.169	0.46	34.7	943	116.5	40.4	419
43541	1.2	130	220	0.07	0.92	1.83	10	12.2	4.1	13.35	2.68	47.6	0.224	0.57	20.5	29	26.7	71.4	>500
43542	2	90	46.7	0.06	0.96	2.02	10	12.6	8.1	13.75	5.46	51.8	0.096	0.21	18.6	19	19.3	65.9	>500
43543	2.4	150	24.2	0.20	0.53	3.53	100	10	7.6	18.7	49.8	73.2	0.129	0.46	40.5	37	36.8	104.5	>500
43544	1.8	270	15.1	0.46	1.12	2.28	75	10	15.1	12.8	46.2	69	0.368	0.67	34.5	45	58.6	104.5	>500
43545	2.3	240	53.3	0.53	5.03	2.29	59	10	18.3	6.91	20.9	40.4	0.212	0.64	36.1	115	143	54.8	>500
43546	3.8	340	3.5	2.07	3.77	6.42	89	20	21.7	8.17	96.5	81.9	0.347	1.17	26.2	31	81.9	157.5	>500
43547	3.5	170	217	0.01	2.12	1.79	5	6.5	25.1	9.35	0.99	23.5	0.177	0.73	11.4	19	8.6	56.1	>500
43551	0.9	130	430	168.82	177.31	185.80	8	27	10.1	24.7	0.91	78.3	0.294	0.95	30.6	11	4.7	85.3	>500
43552	1.5	100	121.5	0.01	<0.03	165.56	8	13.7	9	22.3	5.05	51.2	0.385	0.35	14.3	33	11.2	97.1	>500
43553	1.1	130	216	0.02	1.82	0.93	8	12.6	9.6	14.95	1.34	44.5	0.206	0.47	16.1	11	5.6	77.1	>500
43554	1.3	230	205	0.05	1.28	1.77	10	10.9	9.1	10.15	4.95	42	0.297	0.68	13.5	33	39	58.2	>500
43555	1.1	260	6.7	0.70	1.01	10.35	72	10	15.8	10.1	65.9	80.7	0.595	0.6	33	66	137	117	>500

Table 2. Au assay results for surface rock samples, Ramnes 2006.

Sample no	UTM X	UTM Y	Description	Location	Year	Sampled by	Au-ICP21 Au ppm
43533	565160	6582889	Sericite alt rhyolite w Mo(?) at fracture	Tronka west	2006	RW/JB	0.001
43534	565305	6582451	10cm thick Mo-py vein	Ilestadvannet	2006	RW/JB	0.028
43535	565305	6582451	10cm thick Mo-py vein	Ilestadvannet	2006	RW/JB	0.005
43536	565305	6582447	Silicified Mo-py vein	Ilestadvannet	2006	RW/JB	0.003
43537	565305	6582451	10cm thick fluorite-Mo-py vein	Ilestadvannet	2006	RW/JB	0.044
43538	566695	6583397	Rhyolite w py-diss (Mo?)	Bråten	2006	RW/JB	<0.001
43539	567325	6583390	Weathering product (in situ) of Mo-mineralised, ser alt rhyolite	Kjønnerød	2006	RW/JB	0.027
43540	568090	6583660	10-30cm thick syenite dyke w diss to semimass py-ga-Mo min	Solberg	2006	RW/JB	0.008
43541	568090	6583660	Mo-min(?) cont betw alt ringdyke and overlying rhyolite, 30cm from 43540	Solberg	2006	RW/JB	0.001
43542	568071	6583648	Rhyolite w Mo-diss(?)	Solberg	2006	RW/JB	<0.001
43543	568067	6583644	Rhyolite w Mo-diss(?)	Solberg	2006	RW/JB	0.005
43544	568092	6583663	Siliceous finegr Mo-py min	Solberg	2006	RW/JB	0.005
43545	568099	6583666	Chip spl over 1.30m wide Mo-min	Solberg	2006	RW/JB	0.009
43546	568099	6583666	Mo-py-min	Solberg	2006	RW/JB	0.016
43547	565120	6582860	Sericite alt rhyolite w py(-Mo?) diss	Tronka west	2006	RW/JB	0.001
43553	566724	6583223	Grey, ser alt rhyolite "float" with Mo	Kjønnerød	2006	RW/JB	<0.001
43554	568102	6583683	Chip over 2.7m of 3 Mo mineralised zones	Solberg	2006	RW/JB	<0.001
43555	568102	6583683	High-grade Mo zone in chip profile (43554)	Solberg	2006	RW/JB	0.007

APPENDIX 2

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MoS2	MS61 Mo	MS61 Ag	MS61 Bi	MS61 S	MS61 Sb	MS61 W	MS61 Y	MS61 Al	MS61 As	MS61 Ba	MS61 Be	MS61 Ca	MS61 Cd	MS61 Ce	MS61 Co	MS61 Cr	MS61 Cs	MS61 Cu
ID	from	to	number	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Dh 1	10	15	44019	0.002	9.6	0.24	0.27	0.04	0.22	6.3	35	8.17	0.7	1120	3.55	0.67	0.27	342	0.8	2	1.91	3.2
Dh 1	15	20	44020	0.001	8.35	0.22	0.06	0.03	0.24	4	38.3	8.12	1	1280	3.77	0.72	0.21	343	0.9	2	1.58	2.2
Dh 1	20	25	44021	0.007	40.3	0.16	0.69	0.61	0.61	11.8	32	7.1	1.2	1120	5.25	0.66	0.31	286	0.9	1	2.41	9.4
Dh 1	25	30	44023	0.001	3.94	0.05	0.17	0.18	0.18	5.7	32.9	7.35	0.7	860	2.63	0.74	0.33	323	0.9	2	1.5	3.7
Dh 1	30	35	44024	0.002	14.85	<0.01	0.68	0.49	0.26	8.9	37.8	8.66	1	870	2.9	1.01	0.21	354	1.2	2	2.31	10.6
Dh 1	35	40	44026	0.014	82.2	0.08	1.45	1.05	0.52	14.2	35.4	7.86	2	810	4.02	1.53	0.24	289	7.6	1	2.57	14.6
Dh 1	40	45	44027	0.001	8.74	0.09	0.14	0.12	0.46	9.6	32.6	8.09	0.9	1030	6.76	4.5	0.29	124.5	35.3	61	7.2	22.4
Dh 1	45	50	44029	0.006	37.8	0.17	15.15	0.55	0.55	51.2	39.7	5.52	13.1	140	4.14	4.32	2.29	213	7.2	8	2.92	11.3
Dh 1	50	55	44030	0.001	6.79	0.81	0.4	0.16	0.24	6.4	41	9.29	1.1	1220	5.28	1.37	0.23	387	1.2	2	2.01	3.2
Dh 1	55	60	44031	0.002	9.93	0.73	0.51	0.35	0.31	9.7	43.9	9.71	2.6	1310	4.51	1.05	0.12	431	1.1	2	1.59	3.8
Dh 1	95	100	44032	0.001	6.84	0.61	0.27	0.14	0.29	8.9	43.3	9.69	1.2	1130	4.42	1.01	0.15	414	0.9	2	1.83	3.3
Dh 1	100	105	44033	0.001	5.45	0.44	0.08	0.06	0.53	3.8	36.7	7.63	2.1	1120	3.82	0.85	0.13	341	0.8	2	1.56	2.8
Dh 1	105	110	44035	0.002	12.6	0.34	0.26	0.18	0.36	5.3	41.2	8.49	1	1170	4.29	0.89	0.33	374	0.9	1	1.49	4.3
Dh 1	110	115	44036	0.001	4.55	0.42	0.05	0.07	0.25	3.5	41.8	8.67	1	1250	4.18	0.97	0.15	403	0.9	2	1.11	2.6
Dh 1	115	120	44037	0.001	5.51	0.11	0.12	0.26	0.27	5.5	39.8	8.93	1.2	1260	3.85	0.89	0.15	368	1	2	1.29	3.4
Dh 1	120	125	44038	0.005	28	0.27	0.37	1.19	1.2	11	53.6	6.44	2.1	200	4.29	0.67	0.02	224	5	3	2.39	2.7
Dh 1	125	130	44039	0.001	7.59	0.29	0.05	0.15	0.33	2.8	37.2	9.36	1.1	910	2.51	4.01	0.12	162.5	24.4	1	3.36	15.3
Dh 1	130	135	44040	0.003	19.8	1.03	0.52	1.31	0.72	10.5	53.5	7	1.1	180	3.88	0.93	0.1	132.5	4.6	1	2.42	3
Dh 1	135	140	44041	0.011	66.1	1.53	0.56	0.78	1.08	11	39.2	6.36	2.3	310	3.96	0.75	0.04	90.1	4.7	17	2.77	6.7
Dh 1	140	145	44042	0.008	50.7	0.43	0.09	0.03	0.6	6.9	12.9	6.34	1.1	110	1.82	0.47	<0.02	51	0.5	2	2.88	2.7
Dh 1	145	150	44043	0.009	56.5	0.45	0.04	0.02	0.63	6.9	12.1	6.33	1.1	80	1.58	0.52	<0.02	53.2	0.6	2	2.63	2.3
Dh 1	150	155	44044	0.005	27.2	0.26	0.16	0.03	0.68	5.7	8.3	6.27	1.7	90	2.07	0.9	0.04	29.5	0.8	3	2.96	2.9
Dh 1	155	160	44045	0.006	35.9	<0.01	0.04	0.03	0.66	5.5	8.3	6.2	1.3	90	2.4	0.74	<0.02	30	0.9	2	4.34	3
Dh 1	215	220	44046	0.008	49.1	<0.01	0.52	0.91	1.29	6.4	32.4	6.31	3.5	180	3.53	0.13	<0.02	75.6	1	2	2.41	2.8
Dh 1	220	225	44047	0.011	69.2	<0.01	0.06	0.06	0.74	4.6	4.5	6.41	3	80	2.08	0.19	<0.02	13.5	0.7	3	3.1	4.5
Dh 1	225	230	44048	0.010	58.2	<0.01	0.05	0.05	0.62	5	6.9	6.31	2.1	100	1.9	0.61	<0.02	20.9	0.5	1	3.1	3.3
Dh 1	230	235	44050	0.008	47.8	<0.01	0.04	0.04	0.54	4.8	10.8	6.34	2.5	60	1.43	0.68	<0.02	37.1	0.5	1	2.55	3.7
Dh 1	235	240	44051	0.016	99.2	<0.01	0.06	0.06	0.49	5.4	12.1	6.4	0.9	70	1.48	0.41	<0.02	44.7	0.4	2	2.64	4.1
Dh 1	240	245	44052	0.012	72.4	<0.01	0.08	0.25	0.44	5.1	9.8	6.27	1.6	60	1.88	0.19	<0.02	54.6	0.6	2	2.2	1.9
Dh 1	245	250	44053	0.011	65.8	<0.01	0.06	0.05	0.45	5.4	8.3	6.37	1.4	90	1.98	0.19	<0.02	40.3	0.4	2	2.79	2
Dh 1	250	255	44054	0.020	118	<0.01	0.14	0.21	0.51	6.4	11.5	6.39	1.9	60	1.55	0.25	<0.02	37.1	0.6	2	2.93	1.6
Dh 1	255	260	44055	0.018	107.5	<0.01	0.26	0.52	0.42	5.6	7.5	5.8	1.5	100	1.41	0.24	<0.02	31.4	0.8	1	2.9	1.6
Dh 1	260	265	44057	0.027	160.5	<0.01	0.11	0.17	0.6	5.5	5.8	5.65	2.2	40	1.82	0.24	<0.02	17.75	0.5	1	1.27	1.3
Dh 1	265	270	44059	0.005	28.8	<0.01	1.68	1.95	0.99	9	51	8.03	2.1	610	6.04	0.15	<0.02	286	0.8	<1	2.02	4.2
Dh 1	270	275	44060	0.005	29.2	<0.01	0.08	0.17	0.41	3.3	7.6	6.16	1.1	50	1.49	0.11	<0.02	12.3	0.5	1	1.34	3.4
Dh 1	275	280	44061	0.022	130	<0.01	0.21	0.72	0.5	3.7	6.5	6.01	1.3	20	1.36	0.07	<0.02	14.95	0.7	1	1.48	2.9
Dh 1	280	285	44062	0.034	203	<0.01	0.33	0.93	0.64	4.3	7.4	5.73	1.8	10	0.98	0.02	<0.02	19	0.7	2	0.83	2.2
Dh 1	285	290	44063	0.024	144	<0.01	0.28	0.68	0.71	4.3	5.1	6.07	1.8	30	1.31	0.04	<0.02	22	0.6	1	1.5	2.5
Dh 1	290	295	44064	0.014	81.7	<0.01	0.69	1.22	1.77	7.1	28.4	6.56	3.2	180	3.28	0.07	<0.02	93.7	0.7	1	1.58	2.2
Dh 1	295	300	44065	0.003	16.15	<0.01	1.7	0.82	0.9	6.7	40.7	8.8	1.2	500	6.35	0.45	0.07	356	0.8	<1	2.41	2.7
Dh 1	300	305	44066	0.001	8.04	<0.01	1.4	0.41	0.65	6.5	43.3	8.77	0.5	1100	5.82	1.02	0.13	354	0.8	<1	2.75	3.8
Dh 1	305	311.3	44068	0.001	4.46	<0.01	0.3	0.16	0.28	3.2	40.8	8.55	0.3	800	3.84	1.08	0.13	335	0.9	<1	1.53	1.7
Dh 2	11.5	15	44223	0.009	53	<0.01	0.66	1.97	0.45	11.1	76.4	5.93	2.2	40	3.08	0.06	<0.02	149	0.4	1	1.18	2.5
Dh 2	15	20	44224	0.015	89.2	<0.01	0.83	1.9	0.44	11.6	77.9	5.92	3.7	30	3.16	0.1	<0.02	137.5	0.3	1	1.18	1.7
Dh 2	50	55	44001	0.001	8.95	0.13	0.53	1.96	0.27	6.9	95	6.13	4.1	140	2.4	0.17	0.1	158.5	0.6	3	1.14	19
Dh 2	70	75	44002	0.006	34.5	<0.01	0.14	1.15	0.3	10.5	55	6.31	1.7	60	2.23	0.08	<0.02	225	0.7	2	1.29	28
Dh 2	105	110	44225	0.010	62.1	<0.01	0.68	1.8	1.05	6.9	83.4	5.73	7.7	130	3.68	0.21	0.02	139	0.6	1	1.71	5.3
Dh 2	110	115	44003	0.030	183.5	0.07	0.34	1.06	0.7	9.5	59.8	8.06	2.5	810	5.58	1.75	<0.02	315	11	40	5.61	14.2
Dh 2	130	135	44005	0.012	74.7	0.04	0.55	1.1	0.58	7.8	38.6	8.94	1.5	1690	5.61	0.77	0.04	367	1.1	2	2.29	4.9
Dh 2	135	140	44006	0.004	23.5	0.08	1.25	1.79	0.65	11.6	42.9	8.84	3.9	970	7.35	0.61	0.07	340	0.9	1	3.52	7.5
Dh 2	150	155	44007	0.006	34.2	0.02	0.28	0.79	0.51	6.3	39.8	8.79	1.3	1130	5.46	0.95	0.06	361	1.7	1	2.58	3.5
Dh 2	155	160	44008	0.013	78.5	0.23	0.16	0.78	1.68	8.7	88.9	8.05	0.9	650	5.08	2.08	0.02	267	8.4	<1	3.76	5
Dh 2	160	165	44009	0.031	189	0.03	0.63	1.17	0.5	13.1	50.1	8.03	1.1	1080	4.75	1.65	<0.02	270	6	1	3.84	3
Dh 2	165	170	44010	0.042	252	1.4	0.82	1.5	0.88	19	54.7	6.14	4.6	170	2.95	0.15	<0.02	136	1.5	2	2.37	5.1
Dh 2	170	175	44012	0.011	66.1	0.5	0.69	1.01	0.69	25.1	54.9	7.79	3.6	520	4.09	0.49	0.02	186.5	2.9	3	2.3	8.9
Dh 2	175	180	44014	0.005	31.1	0.8	0.46	1.31	0.88	16	41	7.56	2.3	460	5.6	0.3	<0.02	353	2	4	1.67	8.6
Dh 2	180	185	44015	0.004	21.8	0.64	0.18	0.61	0.31	6.9	10.3	6.24	1	60	3.64	0.06	<0.02	43.4	0.6	2	1.01	3.8
Dh 2	185	190	44016	0.009	53.1	0.66	0.24	0.53	0.45	7.5	9.3	5.95	0.8	80	3.55	0.05	<0.02	56	1.1	2	1.51	4.5
Dh 2	215	220	44017	0.007	42	<0.01	1.19	1.75	0.35	11.8	58.8	8.98	2.5	1250	6.82	1.56	0.25	289	9.2	2	2.44	8.5
Dh 2	220	222.4	44018	0.007	42.8	<0.01	1.07	0.86	0.53	9.4	56.6	9.24	2.1	1080	8.75	1.63	<0.02	267	9	4	5.08	11

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61
ID	from	to	number	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Na	Nb	Ni	P	Pb	Rb	Re	Sc	Se
				%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Dh 1	10	15	44019	1.9	27.5	0.43	10.9	0.073	4.1	163.5	5	0.27	1060	2.94	94.2	0.3	870	28.7	170	<0.002	8.2	1
Dh 1	15	20	44020	1.95	27.5	0.42	10.9	0.078	4.11	166	6.6	0.3	941	3.2	91.7	0.6	890	24.7	145	<0.002	8.3	2
Dh 1	20	25	44021	1.87	26.5	0.38	10.9	0.272	3.38	139	8.6	0.38	549	1.27	77.4	<0.2	780	35	204	0.003	7.8	2
Dh 1	25	30	44023	1.89	26.8	0.43	11.8	0.089	3.71	151.5	4.8	0.33	759	2.6	93.7	0.2	800	71.4	163	<0.002	8	2
Dh 1	30	35	44024	2.34	31	0.48	12.8	0.163	4.56	168.5	5.8	0.44	663	2.5	102.5	0.3	920	36.1	233	0.002	8.9	2
Dh 1	35	40	44026	3.23	28.1	0.4	11.1	0.285	3.13	133.5	10.8	0.85	1030	1.69	69.8	0.4	2070	70.5	199.5	0.009	9.2	3
Dh 1	40	45	44027	8.09	26.1	0.35	4.7	0.078	2.8	54.1	22.6	2.5	2400	1.06	49.5	38.9	5830	67.3	250	<0.002	18.9	3
Dh 1	45	50	44029	2.99	27.1	0.32	14.8	0.142	2.27	100	22.4	1.03	1330	0.04	86.2	5	830	47.2	180.5	0.002	7.1	2
Dh 1	50	55	44030	2.43	29.7	0.44	13	0.089	4.15	177.5	9.1	0.58	1160	3.02	106	0.9	990	19	176.5	<0.002	9.4	2
Dh 1	55	60	44031	2.37	31.4	0.5	13.5	0.091	4.8	204	7.2	0.4	1070	3.78	113	0.6	1010	19.7	171	<0.002	9.7	3
Dh 1	95	100	44032	2.36	31.5	0.5	14	0.093	4.99	189	6.8	0.4	1120	3.76	113	0.6	1030	20.8	178.5	<0.002	9.7	2
Dh 1	100	105	44033	1.91	25.6	0.42	10.8	0.074	3.83	161.5	7.7	0.33	914	3.06	89.9	0.9	830	15.6	136	<0.002	8.1	2
Dh 1	105	110	44035	2.1	29.4	0.47	11.7	0.15	4.22	178	7.2	0.36	941	3.21	97.4	0.3	910	27	152.5	<0.002	9	2
Dh 1	110	115	44036	2.15	29.4	0.5	12.5	0.085	4.26	184.5	8.5	0.38	1010	3.54	104	0.4	960	21.5	133	<0.002	9.4	3
Dh 1	115	120	44037	2.16	29.6	0.48	11.9	0.085	4.28	175	6.8	0.36	972	3.39	93.4	0.4	940	17.3	145	<0.002	8.8	2
Dh 1	120	125	44038	2.42	32.6	0.27	27.9	0.101	2.4	111	6.9	0.37	579	0.63	286	3.2	730	10.5	202	0.002	6.1	3
Dh 1	125	130	44039	6.41	25.9	0.36	8.9	0.077	2.02	75.2	15.8	1.92	1375	2.95	83.6	10.5	5270	18.1	113.5	<0.002	13	3
Dh 1	130	135	44040	2.97	35.1	0.24	28	0.115	2.4	63.3	5.4	0.5	509	0.7	264	0.4	1650	14.9	200	0.002	6.2	3
Dh 1	135	140	44041	1.6	25	0.18	26.3	0.079	2.38	43.3	5.3	0.37	379	0.06	231	11.5	430	9.4	208	0.002	5	2
Dh 1	140	145	44042	0.3	21.5	0.09	7.9	0.012	2.23	31.7	2.8	0.04	57	0.08	148	0.5	70	3	233	<0.002	2.4	1
Dh 1	145	150	44043	0.3	21.7	0.1	7.5	0.011	2.24	35.8	3.4	0.03	46	0.09	144	0.4	70	3.2	225	<0.002	2.4	1
Dh 1	150	155	44044	0.31	17.1	0.08	7.9	0.013	2.16	16	3.2	0.03	56	0.1	143	0.7	60	2.9	217	<0.002	1.6	1
Dh 1	155	160	44045	0.32	18.5	0.09	7.8	<0.005	2.14	15.5	3	0.03	64	0.09	144.5	0.4	60	3.1	212	<0.002	1.8	1
Dh 1	215	220	44046	1.05	24.8	0.14	20.6	0.046	2.34	41.4	4.1	0.06	94	0.06	211	1.2	120	4.9	221	0.003	3.9	2
Dh 1	220	225	44047	0.26	16	0.09	7.2	0.009	2.31	9.2	2.8	0.04	57	0.07	127	4.9	40	3.1	221	<0.002	1.5	1
Dh 1	225	230	44048	0.26	14.55	0.08	7.5	0.008	2.34	14.4	2.3	0.03	50	0.07	135	0.7	50	2.6	219	<0.002	1.5	1
Dh 1	230	235	44050	0.25	12.15	0.11	7.3	0.01	2.32	23.2	1.9	0.04	46	0.07	130.5	0.6	100	2.2	219	<0.002	1.9	1
Dh 1	235	240	44051	0.27	17	0.1	7.3	0.024	2.33	29	2.9	0.04	49	0.06	130	0.8	100	2.6	225	0.002	2.3	1
Dh 1	240	245	44052	0.47	22.8	0.11	7.4	0.017	2.33	32.5	3	0.04	57	0.06	132.5	0.7	90	2.6	218	0.002	2.1	1
Dh 1	245	250	44053	0.3	21.8	0.11	7.7	0.009	2.32	26.2	3.3	0.04	53	0.06	134	0.8	90	2.7	220	<0.002	2	1
Dh 1	250	255	44054	0.44	18.05	0.11	7.3	0.012	2.29	25.2	3.9	0.03	44	0.06	129	0.6	80	2.9	219	<0.002	2	1
Dh 1	255	260	44055	0.67	20.2	0.13	7.3	0.021	2.04	22	4.8	0.03	36	0.05	117.5	0.7	70	3.1	171.5	0.002	1.9	1
Dh 1	260	265	44057	0.37	19.15	0.09	7.8	0.011	2.1	11.7	3.8	0.03	34	0.04	136.5	0.7	30	2.4	123.5	0.005	2	1
Dh 1	265	270	44059	2.14	37.5	0.31	22.9	0.218	3.26	136	5.9	0.22	104	0.05	142	0.5	520	15.3	227	0.002	7.7	3
Dh 1	270	275	44060	0.39	23.1	0.1	7.8	0.008	2.22	8.4	1.7	0.01	33	0.05	133	0.6	<10	2	169.5	0.002	2.3	1
Dh 1	275	280	44061	0.86	24.6	0.1	7.9	0.02	2.05	13	3.5	0.02	32	0.04	127.5	0.7	20	2.9	144.5	0.009	2.1	2
Dh 1	280	285	44062	1.01	24.6	0.08	8.3	0.023	1.08	15.9	8.5	0.01	29	0.04	122	2	30	5	57.2	0.003	2.1	2
Dh 1	285	290	44063	0.8	27.9	0.11	8.2	0.018	1.65	16	5.6	0.01	33	0.04	132.5	0.8	20	4	101.5	0.006	1.9	2
Dh 1	290	295	44064	1.29	32.1	0.15	21.6	0.048	2.33	50.8	6.3	0.05	55	0.04	204	0.7	130	16.4	151.5	0.004	4	3
Dh 1	295	300	44065	2.04	31.9	0.41	12.5	0.228	3.33	175	11.7	0.31	449	1.07	74.9	0.4	820	43.1	208	0.002	10.3	3
Dh 1	300	305	44066	1.96	31.3	0.42	12.7	0.224	3.26	178.5	12.9	0.37	753	1.6	82.7	0.3	890	50.8	191	<0.002	10.1	3
Dh 1	305	311.3	44068	2.12	28.6	0.41	11.2	0.097	3.63	169	8.2	0.39	1010	3.42	92.2	0.4	920	18.6	144	0.002	9.8	3
Dh 2	11.5	15	44223	2.01	35.8	0.26	41.4	0.178	2.6	65.3	2.3	0.08	199	0.05	217	0.7	110	5.9	200	<0.002	4.7	4
Dh 2	15	20	44224	1.91	35.2	0.22	40.6	0.175	2.55	69.6	2	0.08	209	0.04	224	0.7	100	7.2	191.5	0.002	4.9	4
Dh 2	50	55	44001	2.03	30.9	0.24	32.6	0.079	3.54	64.3	1.5	0.09	342	2.31	229	1.3	70	16.8	217	0.002	5.5	4
Dh 2	70	75	44002	1.31	32.8	0.3	33.9	0.104	2.6	86	2.1	0.09	153	0.06	242	1	180	4.4	202	0.002	5.6	4
Dh 2	105	110	44225	1.92	31.7	0.22	38.5	0.175	2.7	61.2	3.8	0.16	331	0.36	231	0.9	160	13.3	204	0.002	5	4
Dh 2	110	115	44003	3.45	29.1	0.35	19.1	0.115	3.58	146.5	10.1	1.08	851	1.47	129.5	24.8	1290	18.1	227	0.008	12.2	4
Dh 2	130	135	44005	2.34	29.5	0.35	11.1	0.173	4.09	177	6.8	0.37	651	1.51	86	0.8	1110	17.6	188	0.003	9.6	4
Dh 2	135	140	44006	2.23	32	0.35	13	0.264	3.79	164	7	0.43	532	0.91	85	0.4	1090	19.4	233	0.002	10.2	5
Dh 2	150	155	44007	2.5	28.5	0.38	13.4	0.116	3.74	175.5	9.7	0.53	684	1.97	99.6	0.6	1020	17.2	184.5	0.003	9.7	4
Dh 2	155	160	44008	4.52	33.5	0.31	32.1	0.116	2.47	138	16.3	1.02	1105	1.87	260	0.5	3970	11	162.5	0.004	11.5	4
Dh 2	160	165	44009	3.62	30	0.34	15.1	0.189	2.79	129.5	11	0.88	760	1.38	86.7	0.3	2900	16.7	206	0.006	10.8	4
Dh 2	165	170	44010	1.55	29	0.19	25.3	0.066	2.17	60.7	5.2	0.08	74	0.14	228	0.9	200	10.5	169.5	0.005	4.8	3
Dh 2	170	175	44012	1.74	26.5	0.25	27.5	0.122	2.83	84.1	8.6	0.29	306	0.39	223	1.1	820	10.6	199.5	0.002	7.7	3
Dh 2	175	180	44014	1.44	35.1	0.33	22.5	0.167	2.9	161	6.5	0.15	138	0.14	175	1.5	840	9.5	234	<0.002	5.9	2
Dh 2	180	185	44015	0.84	25.7	0.09	6.9	0.032	2.28	25.1	3.5	0.07	69	0.16	141.5	0.4	50	5.1	167.5	<0.002	2.1	1
Dh 2	185	190	44016	0.8	21.9	0.1	6.9	0.042	2.16	33.5	3.6	0.05	69	0.15	137.5	0.4	70	4.4	159.5	<0.002	1.8	1
Dh 2	215	220	44017	4.16	30.7	0.41	27.3	0.135	3.1	129	7.7	0.59	767	2.54	178.5	0.6	2090	32.2	199.5	0.002	10.5	4
Dh 2	220	222.4	44018	4.31	29.8	0.39	24.8	0.116	2.5	121.5	9.4	0.71	927	3.68	166	3.3	2030	14.4	181	0.002	10.7	3

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MS61 Sn	MS61 Sr	MS61 Ta	MS61 Te	MS61 Th	MS61 Ti	MS61 Tl	MS61 U	MS61 V	MS61 Zn	MS61 Zr
ID	from	to	number	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Dh 1	10	15	44019	3.2	114.5	5.41	0.1	16.2	0.424	0.49	4.9	23	150	456
Dh 1	15	20	44020	3.2	148	5.42	<0.05	16.5	0.418	0.41	3.7	20	138	458
Dh 1	20	25	44021	3	64.1	4.47	0.2	17.5	0.349	0.77	5.4	23	163	458
Dh 1	25	30	44023	3.1	87.8	5.66	0.19	15.9	0.412	0.5	4.2	20	154	463
Dh 1	30	35	44024	3.4	100	6	0.4	18.6	0.419	0.72	6.1	26	106	>500
Dh 1	35	40	44026	2.7	143.5	4.43	0.71	14.8	0.6	0.78	6.1	59	149	445
Dh 1	40	45	44027	1.8	415	3.01	0.14	3.4	1.675	0.6	4.2	220	303	186.5
Dh 1	45	50	44029	3.6	133.5	5.81	0.35	20.5	0.306	0.63	6.6	56	376	>500
Dh 1	50	55	44030	3.8	216	6.18	0.09	18.5	0.466	0.46	4.4	24	132	>500
Dh 1	55	60	44031	4.1	149.5	6.56	0.18	20.1	0.48	0.48	4.6	23	104	>500
Dh 1	95	100	44032	3.9	162	6.53	0.1	19.5	0.497	0.53	5	24	120	>500
Dh 1	100	105	44033	3.2	159	5.19	<0.05	15.6	0.408	0.36	3.6	19	101	448
Dh 1	105	110	44035	3.4	157.5	5.4	0.08	17.2	0.437	0.55	4	21	173	>500
Dh 1	110	115	44036	3.6	177	5.95	0.05	17.9	0.44	0.35	3.9	22	110	>500
Dh 1	115	120	44037	3.2	143.5	5.56	0.11	17.7	0.424	0.45	4.1	22	107	>500
Dh 1	120	125	44038	11.7	66.8	18.5	0.28	61.5	0.352	0.71	14.9	35	48	>500
Dh 1	125	130	44039	2.8	921	5.01	0.06	13.2	1.2	0.4	3.3	159	152	331
Dh 1	130	135	44040	10.5	139	16.9	0.26	48.1	0.41	0.61	13	36	70	>500
Dh 1	135	140	44041	8.1	71.5	16.55	0.21	37.5	0.242	1.08	16.1	24	26	>500
Dh 1	140	145	44042	6.6	26.4	11.35	0.06	36.2	0.07	1.76	13.5	4	3	157.5
Dh 1	145	150	44043	5.9	34.6	10.9	0.07	70.3	0.069	1.39	17.6	3	3	148.5
Dh 1	150	155	44044	5.3	36.3	11.65	<0.05	18.6	0.069	1.17	8.2	5	4	146.5
Dh 1	155	160	44045	4.8	42.1	11.15	0.05	11.2	0.067	1.41	6.9	5	3	147.5
Dh 1	215	220	44046	7	22.3	13.8	0.14	32.9	0.124	0.92	15.4	8	9	>500
Dh 1	220	225	44047	4.2	37	9.96	0.05	10.6	0.074	1.12	6.3	3	4	134
Dh 1	225	230	44048	4.4	39.8	10.05	<0.05	12.5	0.076	1.39	6.5	3	4	138
Dh 1	230	235	44050	4.3	32.5	9.82	<0.05	20	0.073	1.48	6.8	3	3	134
Dh 1	235	240	44051	4.9	27.6	9.59	0.05	34.3	0.07	1.49	9.3	3	3	134.5
Dh 1	240	245	44052	4.8	25.3	10.1	0.07	24	0.074	1.09	8.6	3	4	135.5
Dh 1	245	250	44053	4.7	32.3	10.15	<0.05	19.4	0.075	1.14	7.5	3	3	136
Dh 1	250	255	44054	4.2	34.8	9.68	0.05	21.5	0.072	0.9	7.1	4	2	135
Dh 1	255	260	44055	4	71.5	8.85	0.07	37.1	0.061	0.64	9.7	2	3	131
Dh 1	260	265	44057	4.4	45.3	10.1	0.07	18.3	0.076	0.42	8.2	2	3	144.5
Dh 1	265	270	44059	5.4	113.5	9.68	0.29	53.5	0.218	0.74	13.4	14	22	>500
Dh 1	270	275	44060	5	21	10.3	0.07	23.1	0.074	0.5	9.2	3	2	140.5
Dh 1	275	280	44061	4.5	22.5	9.85	0.09	38.9	0.068	0.42	12.1	3	2	142.5
Dh 1	280	285	44062	4.7	23.8	9.47	0.16	78.3	0.067	0.18	19.2	2	2	143
Dh 1	285	290	44063	5.6	34.3	10.8	0.1	17.5	0.074	0.27	8.4	3	2	141
Dh 1	290	295	44064	7.4	69.8	14.55	0.24	28.8	0.146	0.42	11.4	7	4	>500
Dh 1	295	300	44065	3.3	71.7	4.75	0.29	25.8	0.355	1.45	5	21	63	469
Dh 1	300	305	44066	3.3	80.4	5.03	0.19	19.1	0.391	1.57	4.9	21	81	478
Dh 1	305	311.3	44068	2.8	129.5	5.28	0.12	15.1	0.462	0.51	3.2	20	103	427
Dh 2	11.5	15	44223	7.6	7.5	12.8	0.36	33.5	0.16	0.62	14.7	8	16	>500
Dh 2	15	20	44224	8	5.7	12.95	0.45	34.8	0.167	0.58	14.7	10	11	>500
Dh 2	50	55	44001	8.2	35	13	0.79	42.8	0.194	0.72	11.4	7	40	>500
Dh 2	70	75	44002	9.9	10.5	13.85	0.15	26.7	0.203	0.82	10.9	12	18	>500
Dh 2	105	110	44225	8.8	23.3	13.2	0.41	37	0.168	0.57	13.3	9	38	>500
Dh 2	110	115	44003	4.7	252	7.27	0.44	30.5	0.651	0.66	7.8	71	88	>500
Dh 2	130	135	44005	2.9	123	4.63	0.41	17.6	0.46	0.58	3.5	25	86	486
Dh 2	135	140	44006	3	98.7	4.62	0.71	17.4	0.466	0.77	4.5	29	59	>500
Dh 2	150	155	44007	3	198	5.3	0.24	22.7	0.442	0.54	4.6	26	89	>500
Dh 2	155	160	44008	7.1	381	13.85	0.21	31.1	0.88	0.44	11.5	72	99	>500
Dh 2	160	165	44009	3.8	325	4.99	0.24	16	0.655	0.83	7.3	55	69	>500
Dh 2	165	170	44010	12.2	21.4	14.8	0.38	40.5	0.177	1.61	12.2	25	9	>500
Dh 2	170	175	44012	19.6	69.9	13.8	0.22	35	0.463	1.87	11.7	39	32	>500
Dh 2	175	180	44014	16	35.7	11.25	0.21	49.5	0.341	1.56	11.9	26	11	>500
Dh 2	180	185	44015	7.6	12.8	10.7	<0.05	12.6	0.07	0.82	5.7	4	11	140
Dh 2	185	190	44016	7.6	13.4	10.75	0.07	12.3	0.068	1.1	5.6	6	9	134
Dh 2	215	220	44017	8.4	206	11.05	0.68	30.1	0.8	0.68	10	59	120	>500
Dh 2	220	222.4	44018	6.3	285	10.15	0.43	28.7	0.796	0.51	10.5	54	62	>500

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MoS2	MS61 Mo	MS61 Ag	MS61 Bi	MS61 S	MS61 Sb	MS61 W	MS61 Y	MS61 Al	MS61 As	MS61 Ba	MS61 Be	MS61 Ca	MS61 Cd	MS61 Ce	MS61 Co	MS61 Cr	MS61 Cs	MS61 Cu
ID	from	to	number	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Dh 3	45	50	44075	0.015	89.4	0.95	0.27	0.99	0.32	6.6	92.6	6.26	1.7	180	13.55	0.24	0.09	204	2.7	2	1.23	14.3
Dh 3	50	55	44076	0.028	167.5	1.12	0.5	1.02	0.4	11.1	94.6	5.9	0.9	100	14.5	0.92	2.07	150.5	8.8	5	2.01	69.7
Dh 3	55	60	44077	0.054	327	0.79	1.01	1.06	0.68	14.2	49.7	5.73	0.5	20	3.32	0.09	<0.02	103	1.2	2	1.82	10.1
Dh 3	60	65	44079	0.023	140.5	0.42	0.98	1.41	0.78	14.7	49.8	6.71	1.9	30	4.76	0.08	0.04	101	1.6	2	2.03	8.2
Dh 3	65	70	44080	0.004	25.3	0.4	0.26	1.1	0.57	11.8	36.5	5.75	0.9	60	2.85	0.11	0.21	102.5	0.9	1	1.57	4.4
Dh 3	70	75	44081	0.012	74.6	0.43	0.07	1.3	0.4	10.7	43	6.43	0.8	110	2.59	0.17	0.13	100.5	0.7	1	1.2	4.1
Dh 3	75	80	44082	0.073	441	0.72	1.9	0.61	0.58	10.9	46.4	6.88	0.5	490	4	1.5	0.34	158.5	5.1	1	2.69	11.3
Dh 3	80	85	44083	0.045	274	0.81	4.18	0.94	0.35	14.3	44.5	6.01	0.7	80	3.89	1.27	0.72	105	2.7	2	2.5	11.1
Dh 3	85	90	44084	0.014	81.6	0.34	0.31	1.23	0.15	10.7	41	6.34	1	100	3.02	0.48	<0.02	116.5	1.2	1	1.31	3.9
Dh 3	90	95	44086	0.002	10.5	0.16	0.14	1.16	0.27	5.8	37.3	5.99	0.9	110	2.71	0.33	<0.02	92.3	0.9	2	1.19	3.3
Dh 3	95	100	44088	0.000	2.38	0.25	0.18	1.11	0.23	6.2	45	5.88	0.9	90	2.49	0.29	<0.02	102	2.4	2	1.37	7.6
Dh 3	100	105	44074	0.001	3.23	<0.01	0.27	0.94	0.23	8	64.7	6.48	1.4	120	3.29	0.39	0.11	173	1.8	1	1.59	2.9
Dh 3	105	110	44073	0.001	8.07	0.05	0.71	1.24	0.47	9.7	53.7	6.78	2.3	210	6.14	2.22	0.17	127.5	12.6	49	3.41	12.9
Dh 3	110	115	44072	0.008	46.1	<0.01	0.43	0.78	0.27	6.3	72.6	6.57	4.8	120	3.63	0.25	0.02	134.5	1.6	<1	1.52	2.4
Dh 3	185	190	44071	0.006	33.3	<0.01	0.8	1.87	0.41	12.9	94.1	6.23	1.4	70	4.55	0.1	<0.02	174.5	0.8	<1	1.78	2.9
Dh 3	200	208.8	44070	0.003	19.55	<0.01	1.69	1.04	0.29	13.2	88.2	6.41	1.5	90	10.1	0.37	0.19	161.5	0.7	1	1.33	2.6
Dh 5	40	45	44103	0.050	301	0.27	4.16	2	0.43	12.2	82.2	6.12	4.2	60	5.32	0.1	<0.02	285	0.9	2	2.02	21.7
Dh 5	45	50	44104	0.027	165.5	0.11	0.73	1.84	0.42	6.4	92.4	6.06	3.2	70	4.54	0.06	<0.02	217	0.7	1	1.7	7.6
Dh 5	50	55	44105	0.003	17.5	0.23	0.28	1.64	0.37	7.6	71.1	5.91	2.3	100	3.59	0.09	0.13	150.5	0.4	1	1.54	3.6
Dh 5	55	60	44106	0.000	2.65	0.33	0.12	1.52	0.19	8	80.5	5.83	0.9	130	4.83	0.11	0.23	153	0.4	1	1.49	3.8
Dh 5	60	65	44107	0.002	13.75	0.31	0.33	1.22	0.44	6.9	87.3	6.25	2.9	110	10.95	0.05	0.37	164	1	4	2.9	4.9
Dh 5	65	70	44109	0.006	38	0.38	1.7	1.21	1.11	6.4	32.5	7.25	5.4	50	2.91	0.08	<0.02	91.6	1.3	4	2.53	3.9
Dh 5	70	75	44110	0.021	124.5	0.42	1.11	0.94	0.87	6.8	31.8	6.32	3.2	30	2.97	0.06	<0.02	34.8	0.4	1	2.72	16.2
Dh 5	75	80	44111	0.048	288	<0.01	1.59	1.71	1.08	9	27.9	6	2.1	20	1.81	0.05	<0.02	37.5	0.8	1	2.29	18.3
Dh 5	80	85	44112	0.032	195.5	<0.01	1.04	1.16	0.79	9.7	29	6.13	0.9	30	1.84	0.02	<0.02	30.4	0.5	1	2.22	11.9
Dh 5	85	90	44113	0.039	232	<0.01	1.24	1.76	0.48	8.6	29.1	6.36	1.9	20	1.51	0.01	0.22	34.6	0.6	3	1.85	16.2
Dh 5	90	95	44114	0.030	183.5	<0.01	2.1	2.1	0.4	7.1	33.5	6.17	0.9	20	1.66	0.01	<0.02	52.3	0.7	2	2.2	14
Dh 5	95	100	44115	0.015	90.5	<0.01	1.65	1.25	0.81	5.9	27.2	6.25	1	20	1.96	0.01	<0.02	40	0.5	2	1.08	4.6
Dh 5	100	105	44116	0.014	86.3	<0.01	1.35	1.49	1.07	7.7	22.3	6.39	1	20	1.75	0.02	<0.02	42	0.6	2	1.91	6.5
Dh 5	105	110	44117	0.024	142	<0.01	1.67	1.5	1.13	9.3	23.7	6.05	0.4	20	2.18	0.06	<0.02	66.6	0.6	2	1.65	8.4
Dh 5	110	115	44119	0.015	91.3	<0.01	1.56	1.12	0.52	8.2	30.9	6.32	0.8	20	3.47	0.19	<0.02	64.5	0.4	2	1.7	2.7
Dh 5	115	120	44120	0.026	154.5	<0.01	2.01	1.54	0.83	8.8	44.8	6.52	0.7	20	3.7	0.02	<0.02	145.5	0.7	3	1.79	3.4
Dh 5	120	125	44121	0.011	64.8	<0.01	0.77	1.2	0.91	6.7	53.4	6.49	0.7	20	4.22	0.02	0.68	104.5	0.4	2	2.52	2.7
Dh 5	125	130	44122	0.006	35.5	<0.01	0.42	0.89	0.59	6.7	52.2	6.6	0.6	20	5.28	0.02	0.23	123	0.4	5	2.22	4.1
Dh 5	130	135	44123	0.004	22.5	<0.01	0.49	1.99	0.47	8	54.9	6.63	3.1	100	6.74	0.1	0.25	163.5	3.8	21	2.78	4.2
Dh 5	135	140	44124	0.014	85	<0.01	0.68	1.77	0.86	5.6	61.8	6.09	5.2	40	4.92	0.06	<0.02	52	0.7	6	3.17	11.5
Dh 5	140	145	44125	0.020	123	<0.01	0.77	1.8	0.99	5.9	66.2	6.13	7.1	50	4.79	0.05	<0.02	67	0.7	2	1.74	13.8
Dh 5	145	150	44126	0.021	123.5	<0.01	0.61	1.38	0.89	6.5	67.7	5.85	4.7	50	5.37	0.01	<0.02	82.5	0.6	2	1.74	17.7
Dh 5	150	155	44127	0.033	199.5	<0.01	0.77	1.46	0.94	9.2	81.6	6.3	1.8	50	5.9	0.01	<0.02	87.3	0.7	1	2.04	15.1
Dh 5	155	160	44129	0.020	121	<0.01	0.42	1.3	0.66	11.6	79.3	6.36	0.4	50	4.4	0.01	0.36	147	0.6	2	2.06	3.3
Dh 5	160	165	44130	0.020	120.5	<0.01	0.73	1.32	0.31	12.6	84.2	6.13	0.6	20	3.68	0.01	0.03	136.5	0.5	1	1.65	4.6
Dh 5	165	170	44131	0.015	87.6	<0.01	1.3	1.67	0.3	8.8	79.3	6.02	0.6	80	2.77	0.04	0.49	112.5	0.6	1	1.33	4.3
Dh 5	170	175	44132	0.011	68	<0.01	2.35	1.63	0.4	9.2	74.5	6.11	1.1	100	2.91	0.06	0.09	121.5	0.5	2	1.39	3.7
Dh 5	175	180	44133	0.021	123.5	<0.01	1.07	1.66	0.47	8.8	69.7	6.06	1.1	80	3.63	0.05	0.1	115	0.5	2	1.54	5.6
Dh 5	180	185	44134	0.025	151.5	<0.01	1.05	0.72	1.01	9.6	59.6	5.77	1.7	30	4.59	0.01	<0.02	93.4	0.6	1	1.47	5.2
Dh 5	185	190	44135	0.017	105	<0.01	1.54	1.46	1.21	14.9	71	6.33	1.2	40	3.6	0.02	<0.02	116	0.7	2	1.87	14.7
Dh 5	190	195	44136	0.013	80.4	<0.01	1.25	1.14	1.1	11.5	61.2	5.95	2.5	50	4.07	0.01	<0.02	62	0.8	1	1.25	8.1
Dh 5	195	200	44137	0.004	25.4	<0.01	0.83	0.79	0.57	6.1	42.3	3.65	0.8	30	2.75	0.01	<0.02	68.7	0.3	1	0.93	3.6
Dh 5	200	205	44138	0.057	345	<0.01	1.41	0.67	1.02	16.7	76.2	6.16	1.1	50	4.19	0.04	<0.02	124	0.4	1	2.3	7.9
Dh 5	205	210	44139	0.016	96.7	<0.01	0.97	0.88	0.9	12.5	73.5	5.74	0.9	40	4.78	0.04	<0.02	112.5	0.3	1	1.64	2.8
Dh 5	210	215	44140	0.058	351	<0.01	1.39	1.59	0.74	16.1	76.7	5.79	1.2	20	4.57	0.19	<0.02	128.5	0.6	1	1.2	5
Dh 5	215	220	44141	0.096	580	<0.01	2.64	2.35	1.3	15.6	123.5	6.94	<0.2	50	6.08	0.09	0.21	302	1	3	2.26	10
Dh 5	220	225	44142	0.006	33.3	<0.01	1.72	4.14	1.24	14.2	104.5	8.4	6.6	190	46	0.56	<0.02	386	3.5	10	3.11	5.4
Dh 5	230	235	44226	0.069	418	0.13	1.17	1.66	0.69	10.2	69.7	7.28	2	170	7.69	1.09	0.3	309	2.2	1	1.62	4.2
Dh 5	240	245	44143	0.014	82.7	<0.01	0.57	2.18	0.64	12.9	73.4	8.3	3.2	240	5.85	1.29	0.07	380	3	2	2.97	4.2
Dh 5	265	270	44145	0.005	31.4	<0.01	2.13	1.94	0.78	4.4	56.3	6.53	2.5	70	8.62	0.11	<0.02	179	0.9	3	1.37	8.8
Dh 5	270	275	44146	0.029	173	<0.01	2.52	2.12	1.5	4.5	34	6.28	3.4	90	4.41	0.07	<0.02	144.5	0.8	4	1.39	14.6
Dh 5	275	280	44147	0.029	175	<0.01	0.88	1.51	0.86	6.1	44.4	6.52	2	50	2.6	0.05	<0.02	104.5	0.4	3	2.69	12.9
Dh 5	280	285	44148	0.017	101.5	<0.01	0.59	0.89	0.73	6.4	39	6.45	1.4	40	1.85	0.06	<0.02	77.3	0.2	4	2.31	6
Dh 5	285	290	44149	0.018	111	<0.01	0.77	1	3.87	7.4	43.6	6.57	3.5	70	1.85	0.07	<0.02	195.5	0.4	2	2.18	10.8
Dh 5	290	295	44150	0.010	62.4	<0.01	1.95	2.05	0.61	7.6	57.9	6.26	1.7	70	3	0.06	<0.02	111.5	0.6	2	1.98	9.9

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61
				Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Na	Nb	Ni	P	Pb	Rb	Re	Sc	Se
ID	from	to	number	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Dh 3	45	50	44075	2.08	33.5	0.27	36.7	0.132	3.86	94.6	4	0.14	1360	2.08	384	2.1	80	36.8	315	0.006	4.3	4
Dh 3	50	55	44076	3.23	27.9	0.23	38.1	0.145	2.45	71.5	9.9	0.61	2430	0.89	289	11.7	370	639	208	0.013	5.5	5
Dh 3	55	60	44077	1.36	30.3	0.15	18.9	0.182	2.45	50.8	6.4	0.12	354	0.05	202	1.2	60	35.4	225	0.013	2.5	3
Dh 3	60	65	44079	1.67	32.3	0.17	20.6	0.169	2.73	49.6	7.1	0.15	225	0.05	217	1.1	70	27.4	236	0.006	2.9	4
Dh 3	65	70	44080	1.27	27.8	0.16	18.4	0.127	2.84	48.7	6.7	0.16	266	0.72	196	0.7	60	86.9	211	<0.002	2.4	3
Dh 3	70	75	44081	1.43	28.9	0.18	20.2	0.108	3.21	46.5	5.4	0.17	245	1.61	221	0.7	60	32.4	221	<0.002	2.6	3
Dh 3	75	80	44082	3.43	31.8	0.28	15.5	0.429	3.19	78	10.1	0.85	1780	0.99	163	0.4	3180	89.5	264	0.022	6.3	4
Dh 3	80	85	44083	2.12	30.8	0.19	17.2	0.498	2.61	50.5	7.7	0.47	1565	0.15	190.5	0.9	1030	144	221	0.014	3.6	4
Dh 3	85	90	44084	1.48	31.2	0.17	18.6	0.057	3.4	55.1	5.1	0.24	374	1.03	226	0.7	70	9.1	234	0.006	2.5	3
Dh 3	90	95	44086	1.37	25.8	0.15	17.3	0.047	3.21	44.1	4.3	0.16	375	1.29	207	0.6	60	5.8	210	<0.002	2.2	3
Dh 3	95	100	44088	1.46	25.2	0.16	18.4	0.06	3.67	48.6	3.4	0.22	428	1.33	208	0.5	80	8.8	236	<0.002	2.5	3
Dh 3	100	105	44074	1.89	30.1	0.27	20.3	0.109	3.39	81.8	3.3	0.27	818	1.7	207	1.2	370	18.4	262	<0.002	4.3	3
Dh 3	105	110	44073	3.33	28.9	0.25	15.7	0.111	2.77	59.8	28.1	1.13	1145	0.45	147	30.1	1630	18.6	242	<0.002	10.1	3
Dh 3	110	115	44072	1.73	30.8	0.24	22.7	0.096	3.66	63	3	0.17	827	2	223	0.9	350	15.4	278	<0.002	3.9	3
Dh 3	185	190	44071	2.02	36.4	0.25	34.2	0.288	3.42	85.3	5.5	0.16	437	1.1	342	0.8	90	21	309	0.003	3.1	4
Dh 3	200	208.8	44070	1.79	35.9	0.25	33.8	0.125	3.09	79.9	2.1	0.1	983	2.56	344	1.1	90	29.5	242	0.002	2.8	3
Dh 5	40	45	44103	2.12	35.5	0.41	29.8	0.318	2.9	132.5	6.4	0.21	274	0.17	183.5	0.9	200	18.6	250	0.006	6.1	5
Dh 5	45	50	44104	1.98	33.9	0.34	34	0.249	3.03	95.4	4.8	0.16	190	0.6	198	1	130	16	217	0.002	5.9	5
Dh 5	50	55	44105	1.81	30.7	0.22	32.7	0.199	3.35	70.9	4.5	0.2	297	0.93	201	0.9	90	11.4	230	<0.002	5	4
Dh 5	55	60	44106	1.91	30.9	0.24	33.7	0.145	3.52	68.7	3.9	0.12	1155	1.78	240	0.7	60	28.8	220	<0.002	4.8	4
Dh 5	60	65	44107	2.04	33.2	0.28	32.9	0.279	3.53	72.4	8.1	0.19	915	0.74	233	2.4	70	32.4	263	<0.002	5.9	5
Dh 5	65	70	44109	1.52	28.2	0.14	18.7	0.344	2.85	46.2	3.9	0.09	182	0.05	213	3.1	50	8.6	198.5	<0.002	2.6	3
Dh 5	70	75	44110	1.31	33.7	0.1	18.7	0.218	2.53	17.6	4.1	0.05	307	0.05	215	0.8	20	14.5	228	0.002	2.6	3
Dh 5	75	80	44111	2	27	0.17	17.5	0.06	2.48	23.5	4.2	0.06	294	0.05	207	1.6	20	19.1	241	0.005	2.4	4
Dh 5	80	85	44112	1.49	32.3	0.14	19.1	0.06	2.44	15.5	4	0.05	148	0.07	224	1.3	30	13.9	226	0.004	2.7	4
Dh 5	85	90	44113	2.07	29.8	0.15	18.6	0.121	2.61	15.7	4.7	0.06	180	0.05	205	1.6	40	19.1	226	0.006	2.6	4
Dh 5	90	95	44114	2.35	33.5	0.22	18.3	0.058	2.44	22.9	5.7	0.04	156	0.06	208	1.2	40	43.3	221	0.004	2.9	4
Dh 5	95	100	44115	1.5	30.4	0.13	17.7	0.115	2.6	16	4.2	0.08	190	0.05	213	0.9	40	8.2	217	0.002	2.5	3
Dh 5	100	105	44116	1.78	23.2	0.13	17.3	0.058	2.54	22.5	4.9	0.05	143	0.05	212	0.9	40	9.4	208	0.002	2.5	3
Dh 5	105	110	44117	1.8	20.9	0.17	17	0.058	2.47	29.4	5.3	0.06	156	0.05	196.5	1	40	10.4	194.5	0.003	2.8	3
Dh 5	110	115	44119	1.44	32	0.16	18.9	0.183	2.8	28.4	5.6	0.16	231	0.03	214	0.8	50	9.6	259	0.005	2.5	3
Dh 5	115	120	44120	1.79	31	0.24	19.1	0.306	2.8	70.5	5.2	0.19	261	0.03	211	1.2	100	12.2	276	0.007	2.6	4
Dh 5	120	125	44121	1.49	28.8	0.16	18.9	0.17	2.76	49.3	6.5	0.22	171	0.04	208	0.9	80	9.4	260	0.005	2	4
Dh 5	125	130	44122	1.3	30.6	0.19	18.9	0.174	2.93	60.1	9.1	0.29	224	0.04	210	2	100	7.1	301	0.003	2.1	3
Dh 5	130	135	44123	2.34	30	0.26	21.1	0.251	2.94	79	14.5	0.44	265	0.3	198	11.1	270	12.3	314	0.003	5.8	4
Dh 5	135	140	44124	2.08	33.7	0.16	29.9	0.206	2.63	26	6.2	0.15	248	0.06	327	2.6	70	15	276	0.005	2.8	4
Dh 5	140	145	44125	2.11	34	0.16	30.5	0.167	2.67	34.6	5.7	0.16	288	0.05	335	1.3	70	16.7	266	0.007	2.7	4
Dh 5	145	150	44126	1.8	29.7	0.19	29.4	0.158	2.58	38.1	6.3	0.16	337	0.04	317	0.9	80	15.1	265	0.006	2.2	4
Dh 5	150	155	44127	1.94	33.8	0.17	30.8	0.39	2.83	40.1	6.8	0.2	327	0.04	324	0.8	80	14.2	283	0.006	2.4	4
Dh 5	155	160	44129	1.68	35	0.2	31.8	0.47	3.04	73.4	6.6	0.22	224	0.05	336	0.7	100	18.1	295	0.006	2.2	4
Dh 5	160	165	44130	1.68	34.6	0.22	31.3	0.249	2.61	65.2	6.1	0.19	224	0.04	338	0.7	110	13.7	266	0.006	2.3	4
Dh 5	165	170	44131	1.93	29.9	0.19	30.9	0.633	3.26	54.5	7	0.14	155	0.06	337	0.7	100	19.7	267	0.004	2.2	4
Dh 5	170	175	44132	1.96	30.7	0.2	31.1	0.231	3.53	61.2	7.6	0.17	149	0.16	346	0.9	90	20.2	280	0.003	2.2	5
Dh 5	175	180	44133	1.98	30.3	0.17	31	0.138	2.99	56.9	9.5	0.15	154	0.06	330	1.2	90	20.2	249	0.004	2.2	4
Dh 5	180	185	44134	1.12	32.5	0.15	27.2	0.283	2.45	44.3	6.5	0.14	179	0.04	315	0.7	70	10.6	247	0.006	2.1	3
Dh 5	185	190	44135	1.7	37.8	0.19	32.1	0.111	2.54	56.7	4.6	0.06	151	0.04	338	0.8	80	9.9	204	0.003	2.6	4
Dh 5	190	195	44136	1.51	29.6	0.12	28.8	0.097	2.51	27.2	4.9	0.09	161	0.04	328	0.6	70	9.2	225	0.003	2.2	4
Dh 5	195	200	44137	1.03	19.5	0.11	18.9	0.047	1.56	34.1	2.9	0.06	102	0.03	204	0.4	60	6	150.5	0.002	1.3	3
Dh 5	200	205	44138	1.03	37.8	0.15	31.7	0.119	2.52	64.6	4.8	0.12	157	0.04	347	0.6	100	41.3	231	0.013	2.5	4
Dh 5	205	210	44139	1.16	34	0.17	28.5	0.169	2.45	55.4	3.5	0.15	131	0.04	308	0.5	90	9.9	240	0.005	2.1	3
Dh 5	210	215	44140	1.89	32.4	0.19	29.7	0.183	2.42	62	3.6	0.12	127	0.04	326	0.8	100	18	229	0.014	2.7	5
Dh 5	215	220	44141	2.4	36.6	0.5	32.4	0.385	2.76	144	5.3	0.13	148	0.05	325	2.4	260	26.1	239	0.014	5.9	5
Dh 5	220	225	44142	5.4	49.2	0.44	35.1	0.425	4	204	11.2	0.43	805	1	223	9.5	1270	17.9	366	0.004	10.8	5
Dh 5	230	235	44226	4.3	31.9	0.4	35.1	0.148	3.36	152	4.6	0.51	2790	1.9	206	0.5	1730	400	171	0.013	10.1	5
Dh 5	240	245	44143	4.63	41.8	0.52	28.2	0.161	4.1	188.5	7.2	0.57	1560	1.17	292	2.5	2110	30.9	257	0.004	13.4	4
Dh 5	265	270	44145	2.04	34.3	0.28	23.3	0.354	2.92	83.1	3.2	0.19	103	0.05	179	2.6	260	8.9	260	0.002	5.3	3
Dh 5	270	275	44146	2.2	34.3	0.24	23.1	0.24	2.57	67.9	3.1	0.08	84	0.06	213	2.7	220	12.3	212	0.005	4.8	3
Dh 5	275	280	44147	1.78	37.1	0.16	28.9	0.131	2.63	51	4	0.04	70	0.08	230	1.1	120	8.1	249	0.004	4.6	2
Dh 5	280	285	44148	1.16	29.3	0.13	26	0.114	2.59	37	3.1	0.03	64	0.07	207	1	120	6.8	227	0.003	3.4	2
Dh 5	285	290	44149	1.28	36.6	0.25	28.6	0.213	2.64	100.5	3.7	0.06	62	0.08	175.5	1.6	220	7	197.5	0.004	4	3
Dh 5	290	295	44150	2.19	49.6	0.19	28.6	0.353	2.57	50.6	3.4	0.09	65	0.06	168.5	2	130	7.8	229	0.003	5.3	4

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61
				Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	Zn	Zr
ID	from	to	number	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Dh 3	45	50	44075	12.7	23.2	23.6	0.47	78.9	0.26	0.92	24.9	12	97	>500
Dh 3	50	55	44076	8.5	71.4	17.15	0.9	51.4	0.417	0.74	14.7	47	972	>500
Dh 3	55	60	44077	6.9	6.5	12.3	0.72	40.6	0.115	0.89	9.8	11	114	447
Dh 3	60	65	44079	7.5	7.5	11.75	0.49	48.1	0.11	0.96	13.1	7	127	>500
Dh 3	65	70	44080	7.3	15.2	11.65	0.34	40	0.109	0.78	9.7	5	166	452
Dh 3	70	75	44081	7.5	25.7	12.6	0.46	46.1	0.114	0.88	11.2	3	134	478
Dh 3	75	80	44082	4.9	238	9.53	0.81	29.8	0.598	1	8.4	29	501	440
Dh 3	80	85	44083	6.4	59.7	11.45	0.87	35.7	0.266	0.86	11	17	391	417
Dh 3	85	90	44084	5.8	36	13.55	1.07	43.9	0.131	0.85	13.9	6	17	444
Dh 3	90	95	44086	6	29.5	12.25	0.52	39.4	0.121	0.73	10.1	4	10	430
Dh 3	95	100	44088	7.1	42.8	12.25	0.96	40.8	0.114	0.8	11.7	4	12	435
Dh 3	100	105	44074	8	43.6	12.8	0.72	42.4	0.225	0.85	13.1	8	84	>500
Dh 3	105	110	44073	5.6	226	9.34	0.95	30.7	0.622	0.68	11.1	78	121	435
Dh 3	110	115	44072	8	35.4	14.2	1.43	46.6	0.187	0.95	13.8	8	50	>500
Dh 3	185	190	44071	14	28.7	23.7	1.01	62.8	0.122	0.86	22.5	6	37	>500
Dh 3	200	208.8	44070	14.3	32.8	24.4	0.58	62.4	0.128	0.7	35.6	6	190	>500
Dh 5	40	45	44103	7	8.9	10.6	1.2	35.6	0.218	0.7	10.5	13	156	>500
Dh 5	45	50	44104	7.1	10.7	11	0.84	40.5	0.173	0.64	10.9	10	43	>500
Dh 5	50	55	44105	7.8	14.2	11.65	0.56	37.9	0.164	0.74	10.6	9	134	>500
Dh 5	55	60	44106	8.7	21.3	14.1	1	40.4	0.181	0.71	13.5	5	203	>500
Dh 5	60	65	44107	8.7	18.7	14.1	0.97	41.1	0.201	0.87	12.1	9	271	>500
Dh 5	65	70	44109	9.5	9.6	11.8	0.57	24.6	0.132	0.61	7.5	7	45	498
Dh 5	70	75	44110	8.8	7.3	12.9	0.39	34.6	0.119	0.79	11.8	7	33	455
Dh 5	75	80	44111	7.7	4.9	11.75	0.71	40.3	0.113	0.8	11	8	37	451
Dh 5	80	85	44112	10.1	4.4	13.25	0.52	49.8	0.12	0.77	14.1	8	81	471
Dh 5	85	90	44113	6.5	4.6	11.4	0.51	40.9	0.094	0.76	12.7	7	197	473
Dh 5	90	95	44114	8	5.5	11.7	0.5	46.2	0.093	0.73	12.7	6	70	441
Dh 5	95	100	44115	6.7	4.7	12.1	0.61	31.4	0.102	0.53	11.5	4	25	425
Dh 5	100	105	44116	7	7.9	12.4	0.58	46.2	0.109	0.66	12.3	5	23	411
Dh 5	105	110	44117	5.5	6	11.15	0.55	31.9	0.096	0.7	9.3	5	21	417
Dh 5	110	115	44119	6.6	4.3	12.1	0.67	35.7	0.098	0.83	12.4	6	20	465
Dh 5	115	120	44120	6.2	7.5	11.6	0.8	49.8	0.094	0.87	14.6	6	126	473
Dh 5	120	125	44121	7.8	5.7	12.05	0.49	62.2	0.113	0.81	19.9	8	331	470
Dh 5	125	130	44122	7.2	6.3	12.5	0.41	38.3	0.117	0.85	10.6	8	126	482
Dh 5	130	135	44123	7.3	24.1	11.7	1.52	40.7	0.226	0.95	9.9	22	233	>500
Dh 5	135	140	44124	12.8	7.7	21.1	0.6	45.9	0.109	0.79	19.8	6	35	>500
Dh 5	140	145	44125	13.4	8.3	21.4	0.49	44.1	0.108	0.78	20.5	5	64	>500
Dh 5	145	150	44126	12.3	7.8	20.4	0.41	45.4	0.1	0.8	20.6	4	77	>500
Dh 5	150	155	44127	13.4	7	20.9	0.65	48.8	0.109	0.92	21	8	61	>500
Dh 5	155	160	44129	13.1	7.6	21.3	0.9	56.8	0.108	0.92	19.6	5	236	>500
Dh 5	160	165	44130	13.6	6.3	22	1.26	61.8	0.112	0.84	19.5	6	74	>500
Dh 5	165	170	44131	13.3	16.7	21.7	1.35	67.6	0.111	0.85	20.4	4	371	>500
Dh 5	170	175	44132	13.9	21.4	22.6	2.9	58.5	0.118	0.88	18.4	3	146	>500
Dh 5	175	180	44133	12.9	21	21.1	1.69	66.8	0.105	0.84	24.2	4	201	>500
Dh 5	180	185	44134	13.3	6.1	19.95	0.64	45	0.104	0.66	15.7	5	75	>500
Dh 5	185	190	44135	16	9.1	22.3	0.57	52.8	0.117	0.67	17.4	6	33	>500
Dh 5	190	195	44136	13.7	6.4	20.3	0.66	47.6	0.116	0.58	17	5	17	>500
Dh 5	195	200	44137	8.9	4.3	13.1	0.69	33.6	0.068	0.35	11.1	3	10	466
Dh 5	200	205	44138	16.3	10.7	22.4	0.63	63.5	0.117	0.84	20.4	8	41	>500
Dh 5	205	210	44139	13.3	7.5	19.7	0.64	54.5	0.101	0.75	17.2	4	13	>500
Dh 5	210	215	44140	13.2	7.5	20.3	1.14	54.9	0.099	0.84	18.2	7	23	>500
Dh 5	215	220	44141	16	12.7	20.1	0.97	72.3	0.155	0.9	25.6	13	144	>500
Dh 5	220	225	44142	9.7	44.8	12.75	1.53	72.3	0.293	1.19	29.7	20	46	>500
Dh 5	230	235	44226	7.1	57.7	11.4	0.64	22.1	0.612	0.63	8	21	433	>500
Dh 5	240	245	44143	8	89.6	17.35	0.79	22.7	0.767	0.82	5.9	25	218	>500
Dh 5	265	270	44145	7.6	12.5	11.2	1.25	46.1	0.163	0.64	15.6	9	19	>500
Dh 5	270	275	44146	8.9	14	13.15	0.61	23.8	0.183	0.62	10.8	10	12	>500
Dh 5	275	280	44147	10.4	12.2	14.75	0.47	31.9	0.172	0.81	17.6	11	12	>500
Dh 5	280	285	44148	8.6	11.6	13.3	0.55	28.3	0.153	0.71	8.1	8	8	>500
Dh 5	285	290	44149	9	20.2	11.45	0.39	33.8	0.135	0.69	8	11	32	>500
Dh 5	290	295	44150	11.3	15.2	10.85	0.63	35	0.124	0.67	14.7	10	14	>500

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MoS2	MS61 Mo	MS61 Ag	MS61 Bi	MS61 S	MS61 Sb	MS61 W	MS61 Y	MS61 Al	MS61 As	MS61 Ba	MS61 Be	MS61 Ca	MS61 Cd	MS61 Ce	MS61 Co	MS61 Cr	MS61 Cs	MS61 Cu
ID	from	to	number	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Dh 5	295	300	44152	0.007	44.4	<0.01	5.31	2.3	0.77	9.4	59.9	7.61	3.6	210	4.98	0.4	<0.02	236	1.3	5	2.06	9.7
Dh 5	315	320	44154	0.011	66.4	<0.01	0.24	2.57	0.56	7.7	31.4	7.53	2.2	170	1.09	0.2	<0.02	221	0.5	2	4.81	9
Dh 5	320	325	44155	0.009	51.9	<0.01	0.9	2.4	0.8	7.8	47.4	7.2	1.8	110	1.52	0.24	<0.02	293	0.5	2	2.39	4.5
Dh 5	325	330	44156	0.003	20.8	<0.01	1.77	3.48	1.47	9	77.2	7.53	2.2	570	6.46	0.6	<0.02	335	3.2	4	2.14	7.7
Dh 5	330	335	44157	0.001	6.73	<0.01	1.97	1.67	1.14	6.9	54.6	8.04	2.5	800	9.43	1.76	0.07	277	8.1	3	3.13	8.8
Dh 5	335	340	44158	0.003	15.85	<0.01	0.77	1.28	0.51	5.2	46	7.83	2.2	850	6.34	1.41	<0.02	249	5.4	4	2.22	2.9
Dh 5	340	345	44159	0.000	2.68	<0.01	0.66	0.79	0.27	8.6	43.3	8.4	3.1	910	3.27	2	0.02	251	6.3	1	1.74	3.8
Dh 5	345	350	44160	0.001	7.1	<0.01	0.49	1.13	0.29	15.5	44.3	7.93	4.1	900	4.08	1.77	0.02	250	7.9	1	1.59	7.4
Dh 5	350	355	44161	0.016	93.8	<0.01	0.83	1.37	0.31	15	47.7	8.21	3.6	950	5.22	1.94	<0.02	263	7.2	2	1.92	13.2
Dh 5	355	360	44163	0.013	80.3	<0.01	0.56	0.83	0.57	14.2	47.6	8.59	2.2	1020	4.38	1.94	0.1	291	6.8	2	1.64	24.3
Dh 5	360	365	44164	0.003	16.65	<0.01	1.33	2.59	0.61	8.2	52	8.19	2.4	700	5.95	1.45	<0.02	301	9.9	6	2.04	6.2
Dh 5	365	370	44166	0.001	3.09	<0.01	0.35	0.24	0.25	9.4	49.7	8.63	2	910	4.8	1.75	0.22	287	8.5	2	0.88	15.2
Dh 5	370	375	44167	0.008	48.2	<0.01	1.46	3.52	1.04	8	50.8	7.86	3.2	660	6.35	0.96	<0.02	274	6.4	5	3.93	8.8
Dh 5	375	380	44169	0.002	11.75	<0.01	1.02	2.2	0.69	7.2	48.4	8.24	1.4	760	5.77	1.16	0.02	299	5.8	2	3.03	4.9
Dh 5	380	385	44170	0.005	29.3	<0.01	1.18	1.85	1.14	12.6	62.4	8.72	1.9	890	6.53	1.37	0.07	327	5.7	2	3.08	10.9
Dh 6	11.7	15	44171	0.016	94.2	<0.01	1.01	0.81	0.78	21.2	73.3	5.59	2	70	5.57	0.11	0.12	166	0.6	2	1.56	8.4
Dh 6	15	20	44172	0.013	77.3	<0.01	0.5	1.46	0.34	15.6	75.4	5.87	1.3	80	4.99	0.19	0.06	175.5	0.4	2	1.71	5.9
Dh 6	20	25	44173	0.015	89.9	<0.01	0.64	1.19	0.45	18.4	65.8	5.95	1	50	7.15	0.08	0.13	240	0.6	1	2.26	4.4
Dh 6	25	30	44175	0.054	328	<0.01	1.91	1.1	0.51	20.9	64.2	5.01	1.1	30	8.56	0.35	<0.02	172	0.6	1	2.13	6.5
Dh 6	30	35	44176	0.096	579	0.46	7.15	1.2	0.71	48.3	82.3	3.7	5.1	80	9.3	1.76	0.46	361	5.6	26	2.1	31.4
Dh 6	35	40	44177	0.113	680	<0.01	7.09	0.93	0.77	26.1	70.3	3.45	4.6	30	5.66	1.71	<0.02	294	5.6	24	2.68	29.4
Dh 6	40	45	44178	0.002	10.95	<0.01	0.16	0.54	0.32	6.8	50	5.89	2.4	190	9.63	2.51	0.12	92.9	23.4	121	5.54	19.3
Dh 6	45	50	44179	0.001	4.52	<0.01	0.18	0.96	0.4	7.9	75.8	4.91	1.6	20	6.25	0.07	0.11	132	0.8	2	2.42	2.9
Dh 6	50	55	44180	0.001	4.89	<0.01	0.27	1.12	0.48	8.4	91.3	5.14	2	20	7.63	0.25	0.41	154	1.6	2	3.41	3.2
Dh 6	55	60	44181	0.001	4.66	<0.01	0.13	0.9	0.49	10.4	116.5	7.4	2.2	110	5.76	0.79	0.21	470	2	2	2.52	2.4
Dh 6	60	65	44182	0.000	1.59	<0.01	0.07	0.02	0.37	5.3	121	7.46	1.3	120	4.07	1.01	0.1	>500	1.1	1	2.11	1
Dh 6	100	105	44183	0.011	66.2	<0.01	0.41	1.84	0.48	17.9	92.6	7.26	3.2	110	5.56	0.8	0.22	311	2.3	5	2.15	2.7
Dh 6	105	110	44184	0.023	141	<0.01	1.09	1.94	1.42	23.9	80.4	6.4	5.7	60	4.43	0.07	<0.02	176.5	2.2	1	2.46	8.8
Dh 6	110	115	44185	0.016	94.7	0.01	1.53	1.84	0.5	24.1	97	6.5	2.4	60	5.94	0.08	0.23	136.5	1.3	2	1.93	5.3
Dh 6	115	120	44186	0.006	38.1	0.01	0.86	1.57	0.55	21.8	86.1	5.94	2.9	50	4.24	0.02	0.22	141.5	1.2	1	1.14	14.4
Dh 6	120	125	44187	0.003	19.7	0.01	0.36	1.54	0.29	15.8	77.6	6.23	2	30	4.21	<0.01	0.38	141	0.7	1	1.93	3
Dh 6	125	130	44189	0.007	40.3	0.01	1.43	1.8	0.43	17.7	76	6.52	1.4	40	4.32	0.02	<0.02	126.5	0.9	1	1.52	6.6
Dh 6	130	135	44190	0.016	95.2	<0.01	1.03	1.53	0.48	17	76.8	6.43	1.5	30	5.13	<0.01	<0.02	140.5	1	1	1.86	8.4
Dh 6	135	140	44191	0.007	45.1	0.24	0.71	1.78	0.53	25	89.2	6.11	2	30	4.56	0.04	0.35	152.5	1	1	1.58	5.7
Dh 6	140	145	44192	0.003	17.15	<0.01	0.63	1.64	0.32	16.2	94.2	6.57	1.5	40	3.98	<0.01	0.07	146.5	0.5	2	1.44	3
Dh 6	145	150	44193	0.009	52.5	0.12	0.63	1.68	0.46	13.2	76.5	6.55	1.1	60	3.49	<0.01	<0.02	121	0.9	1	1.74	5.7
Dh 6	150	155	44194	0.027	162	0.08	0.62	1	0.61	13.9	78.6	6.32	1.3	40	4.04	0.03	<0.02	127.5	0.9	2	2.35	9.6
Dh 6	155	160	44196	0.037	224	0.02	0.86	0.92	0.94	17.1	67.9	6.22	2.3	90	4.56	0.68	<0.02	133.5	5.6	28	3.09	19.3
Dh 6	160	165	44198	0.013	77.8	0.01	2.29	1.93	0.63	14.1	85.3	5.97	2.9	50	5.63	0.02	<0.02	138.5	0.8	1	2.23	13.2
Dh 6	165	170	44199	0.024	145	0.49	0.46	2.14	0.42	17.4	80	6.64	2	200	4.65	0.77	0.18	213	2.7	5	2.23	7.2
Dh 6	170	175	44200	0.004	22.4	0.08	0.14	0.49	0.37	16.9	70.5	7.96	1.3	260	3.52	1.29	0.12	416	3.4	1	1.41	5.2
Dh 6	175	180	44201	0.000	1.77	0.1	0.07	0.16	0.23	5.8	64.1	8.32	2.2	280	13.85	1.31	0.1	427	3.6	<1	1.69	5.3
Dh 6	180	185	44202	0.000	0.93	0.13	<0.01	0.01	0.25	2.9	68.7	8	1.4	260	13.95	1.42	0.05	423	3	1	1.82	2.6
Dh 6	185	190	44203	0.010	59	0.13	2.03	2.09	0.53	10.7	48.4	8.62	6.1	970	5.93	0.89	0.51	264	1.8	<1	2.02	9.5
Dh 6	190	195	44204	0.055	331	0.15	2.02	2.9	0.91	8.8	39.2	8.54	1.8	560	11.95	0.31	0.12	234	1.7	1	2.5	10.3
Dh 6	195	200	44205	0.027	163	0.11	0.91	2.08	1.3	10.7	46.6	8.03	2.3	340	5.1	0.08	<0.02	269	1.6	1	3.14	13.5
Dh 6	200	205	44207	0.015	88.9	0.09	1.19	1.95	0.77	12.3	47.3	6.58	1.7	50	5.86	0.05	0.02	127	0.9	1	1.84	11
Dh 6	205	210	44208	0.005	33	0.08	0.94	1.91	0.57	6.8	71.6	6.17	1.9	150	13	0.48	0.41	202	1	1	2.31	3.4
Dh 6	210	215	44210	0.004	21.6	<0.01	0.88	1.96	0.52	4.1	42.2	5.96	0.9	70	4.97	0.35	<0.02	159.5	0.7	1	1.92	4.1
Dh 6	215	220	44211	0.025	148.5	0.03	1.24	2.26	1.04	10.7	52.1	6.3	1.2	50	3.4	0.06	<0.02	145	0.8	1	1.3	9.1
Dh 6	220	225	44213	0.011	68.3	<0.01	1.71	1.78	0.57	13.4	53.4	6.12	1.5	30	4.09	0.07	<0.02	92.6	0.3	2	1.01	5
Dh 6	225	230	44214	0.128	771	<0.01	2.5	1.14	1.45	24.3	74.4	6.53	0.4	60	4.42	0.13	<0.02	205	0.7	2	2.55	25.3
Dh 6	230	235	44215	0.017	104.5	0.03	1.55	1.61	1.07	14.7	78.3	6.5	2.1	50	6.49	0.11	0.05	118	1.1	3	1.85	13.4
Dh 6	245	250	44216	0.031	188.5	0.21	1.03	0.87	0.81	6.1	34.4	7.45	1.5	670	5.26	0.99	0.15	288	2.6	3	3.35	4.1
Dh 6	250	255	44217	0.009	52.8	0.18	0.24	0.19	1.1	7.2	16.5	5.05	3.5	320	7.27	1.05	0.12	85.7	5.6	27	6.85	19.6
Dh 6	260	265	44219	0.008	51.2	<0.01	0.45	1.38	1.17	6.4	38.6	7.67	2.6	220	5.73	0.17	<0.02	277	1.5	6	2.58	4.3
Dh 6	265	270	44220	0.015	90.2	<0.01	0.77	2.52	0.78	5.3	57.4	6.55	1.8	140	3.82	0.09	<0.02	322	0.4	1	1.84	6.5
Dh 6	270	275	44221	0.005	32.6	<0.01	1.64	3.54	0.66	5.8	68.8	6.76	2.7	50	4.46	0.73	<0.02	283	3.6	3	2.56	6.6
Dh 6	275	281.8	44222	0.009	54.4	<0.01	1.55	3.44	0.65	8.8	50.1	7.74	3.4	300	5.69	1.31	0.03	285	6.8	1	3.13	9.3

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MS61 Fe	MS61 Ga	MS61 Ge	MS61 Hf	MS61 In	MS61 K	MS61 La	MS61 Li	MS61 Mg	MS61 Mn	MS61 Na	MS61 Nb	MS61 Ni	MS61 P	MS61 Pb	MS61 Rb	MS61 Re	MS61 Sc	MS61 Se
ID	from	to	number	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Dh 5	295	300	44152	2.8	34.7	0.34	22.2	0.718	3.27	113.5	9.9	0.35	261	0.56	114.5	3.3	530	16	270	0.005	9.8	4
Dh 5	315	320	44154	2.33	31.6	0.29	11	0.03	2.42	107	4.6	0.04	32	0.06	64.4	1.2	550	29.9	158	0.003	7.7	3
Dh 5	320	325	44155	2.24	36.1	0.36	15.3	0.082	2.13	145.5	6.3	0.04	41	0.06	85.5	1	450	33.3	163	0.002	8.2	3
Dh 5	325	330	44156	3.67	42.3	0.5	24.2	0.472	3.26	148.5	6.7	0.24	80	0.06	84.4	2.5	1800	13.9	250	0.002	11.9	5
Dh 5	330	335	44157	4.85	34.8	0.45	16.8	0.513	3.35	134	8.1	0.57	1360	1.74	87	1.5	3270	16.2	230	0.002	12.3	3
Dh 5	335	340	44158	5.2	31.7	0.42	13.6	0.106	2.65	116.5	6	0.52	787	3.14	87	1.8	3490	11.1	160.5	0.003	9	3
Dh 5	340	345	44159	5.74	32.9	0.43	13.6	0.123	3.02	123.5	3.7	0.72	1010	4.06	166	0.5	4070	9.6	128	0.002	10.5	3
Dh 5	345	350	44160	4.69	33.4	0.44	11.8	0.113	2.88	122.5	5.8	0.82	1345	3.75	174.5	0.7	3940	7.5	123.5	0.002	10.7	3
Dh 5	350	355	44161	5.31	34.6	0.46	13.1	0.216	2.84	129	7	0.87	1395	3.03	166	0.6	3580	14	151.5	0.009	11.4	3
Dh 5	355	360	44163	4.87	33.7	0.48	13.3	0.215	3.11	141	5.1	0.71	1425	3.15	160	1	3610	13.2	156	0.006	10.7	3
Dh 5	360	365	44164	4.57	39.1	0.47	16.3	0.345	3.02	146	13.2	0.63	991	1.92	126	2.4	3850	11.9	220	0.005	10.7	4
Dh 5	365	370	44166	5.87	33.5	0.53	12.3	0.284	2.95	144	10.9	0.86	1605	4.35	138.5	0.9	4200	10.5	120	0.002	11.9	3
Dh 5	370	375	44167	3.9	38.5	0.41	16.2	0.364	3.89	132.5	14.2	0.53	510	0.15	104.5	2.7	3220	18.1	308	0.009	10	4
Dh 5	375	380	44169	3.81	34.5	0.38	17.3	0.32	3.12	131	14.7	0.54	669	1.77	123	1.6	2420	11.6	224	0.004	9.3	3
Dh 5	380	385	44170	4.25	37.6	0.42	17.7	0.485	3.38	141	9.5	0.46	730	2.16	156	1	2360	17.1	218	0.007	10.1	4
Dh 6	11.7	15	44171	1.88	33.5	0.22	23.7	0.258	2.67	70.1	6.6	0.18	522	0.6	226	1	160	29.7	219	0.006	5	4
Dh 6	15	20	44172	1.92	30.3	0.25	24.4	0.206	3.25	67.7	7.4	0.17	459	1.05	219	1.3	100	24.2	240	0.009	4.8	4
Dh 6	20	25	44173	2.03	34.2	0.3	21.9	0.212	3.13	100.5	10.8	0.31	708	0.31	189.5	1.2	140	19.5	287	0.01	6.1	3
Dh 6	25	30	44175	2.07	28.8	0.23	20.1	0.207	2.4	69.7	11.5	0.35	799	0.04	201	1.6	110	29.3	233	0.036	4.4	3
Dh 6	30	35	44176	4.53	21.4	0.76	22.3	0.323	1.67	138.5	12.3	0.86	2100	0.12	192	17.4	400	513	171.5	0.096	7.5	7
Dh 6	35	40	44177	3.18	18.65	0.67	20.7	0.255	1.66	116	13.7	0.79	2170	0.02	171	17.5	440	215	169.5	0.097	7.6	6
Dh 6	40	45	44178	4.46	21.6	0.18	14	0.083	2.73	37.5	19.3	1.69	1980	0.08	107	68.3	1370	86.4	236	0.004	13.1	3
Dh 6	45	50	44179	1.53	30.2	0.18	27	0.154	2.22	51.1	14.5	0.23	284	0.04	200	2.2	80	34.4	209	0.003	4.4	3
Dh 6	50	55	44180	2.06	30.1	0.23	29.6	0.167	2.25	59.1	12.1	0.3	391	0.04	212	1.8	80	68.6	201	0.004	4.7	4
Dh 6	55	60	44181	3.17	41	0.54	45.9	0.197	3.55	248	5.2	0.42	1910	1.84	350	1.7	570	92.5	231	0.003	8.6	5
Dh 6	60	65	44182	3.27	40.8	0.58	56.5	0.193	4.26	268	3	0.44	2160	2.33	368	0.9	610	21	245	0.002	9.7	5
Dh 6	100	105	44183	2.64	37.3	0.39	37.1	0.178	3.64	144.5	6.8	0.35	1140	1.79	304	2.8	500	53.2	271	0.007	7	4
Dh 6	105	110	44184	2.28	44	0.21	30.8	0.119	2.64	76.2	6	0.1	241	0.05	310	0.8	90	13.8	241	0.005	2.8	4
Dh 6	110	115	44185	2.1	38.5	0.14	35.3	0.35	2.63	64.9	5	0.18	184	0.05	365	1.4	100	12.5	265	0.002	2.7	3
Dh 6	115	120	44186	1.81	37	0.17	34	0.425	2.44	66.3	4.6	0.07	117	0.04	330	1	90	8.7	232	0.002	2.4	2
Dh 6	120	125	44187	1.91	34.4	0.16	30.6	0.19	2.72	65.4	4.9	0.14	191	0.05	333	1.2	90	9.7	244	<0.002	2.2	2
Dh 6	125	130	44189	2.11	38.8	0.13	31.3	0.232	2.69	62.6	5.7	0.09	119	0.05	344	1	100	8.2	244	<0.002	2.6	2
Dh 6	130	135	44190	1.95	38.9	0.14	31.8	0.219	2.74	69.3	5.8	0.12	152	0.05	333	0.9	90	9.7	240	0.002	2.5	2
Dh 6	135	140	44191	2.1	40	0.17	33.7	0.382	2.54	71.9	5.5	0.11	269	0.04	342	0.8	100	8.5	252	<0.002	2.5	2
Dh 6	140	145	44192	1.96	38.5	0.17	37	0.259	2.68	70.1	4.8	0.11	131	0.04	356	0.9	100	6.5	255	<0.002	2.5	2
Dh 6	145	150	44193	2.02	39.5	0.14	31.6	0.176	2.64	63.6	7.6	0.1	129	0.05	344	0.8	90	8	254	0.002	2.4	2
Dh 6	150	155	44194	1.46	40.6	0.14	35	0.147	2.53	64.4	8	0.13	180	0.05	364	1	90	9.2	253	0.004	2.7	2
Dh 6	155	160	44196	2.02	34.4	0.13	31.3	0.15	2.47	65.9	10.5	0.53	377	0.14	328	16.2	330	11.4	231	0.007	4.7	2
Dh 6	160	165	44198	2.35	39.9	0.17	32.1	0.273	2.52	64.2	6.3	0.13	165	0.05	327	0.9	120	19.6	227	0.003	2.7	3
Dh 6	165	170	44199	2.83	33.5	0.25	34	0.148	2.89	98.3	8.7	0.41	1285	2.08	265	3.5	670	43.4	192	0.014	6.4	2
Dh 6	170	175	44200	4.32	40	0.44	30.2	0.153	3.92	195.5	3.6	0.55	2820	3.35	235	0.6	2130	37.6	195	0.002	12	2
Dh 6	175	180	44201	4.67	40.5	0.44	22.5	0.14	4.2	205	2.9	0.63	2360	3.43	311	0.6	2310	25.4	187.5	<0.002	12.1	2
Dh 6	180	185	44202	4.58	41.6	0.46	26.5	0.139	4.08	177.5	2.5	0.57	1875	3.36	315	0.5	2260	18.5	186.5	<0.002	13.4	2
Dh 6	185	190	44203	3.1	35.9	0.31	18.8	0.697	4.11	125	6.5	0.4	1240	2.87	136	0.7	1090	28.1	238	<0.002	8.6	2
Dh 6	190	195	44204	3.22	34.4	0.31	14.2	0.485	3.7	106.5	7.3	0.37	516	0.07	54	0.7	450	30.2	298	0.011	6.3	2
Dh 6	195	200	44205	2.4	36.8	0.3	23.8	0.119	3.18	117	6.1	0.06	149	0.09	136.5	0.9	340	16.7	285	<0.002	4.7	2
Dh 6	200	205	44207	2.17	40.5	0.18	26.8	0.293	2.67	56.1	4.6	0.1	110	0.05	218	0.7	140	10.3	231	<0.002	4.5	1
Dh 6	205	210	44208	2.12	32.4	0.28	23.6	0.207	3.8	90.6	11.1	0.23	230	0.58	181.5	1	180	9.9	261	0.004	4.5	3
Dh 6	210	215	44210	2.2	29	0.24	21.3	0.289	3.07	69.6	8.3	0.21	104	0.23	163.5	0.9	110	7.4	231	0.002	4.6	2
Dh 6	215	220	44211	2.46	33.5	0.24	28.5	0.27	2.77	66.8	3.8	0.1	111	0.06	192	0.8	110	8.4	233	0.009	4.6	3
Dh 6	220	225	44213	2	29.3	0.14	23.6	0.236	2.73	37.9	4.2	0.13	100	0.04	184	0.8	90	6.2	208	0.006	3.6	2
Dh 6	225	230	44214	1.47	40.9	0.43	34.7	0.237	2.96	89.4	6	0.14	111	0.06	253	1.6	120	19.4	264	0.05	5.6	3
Dh 6	230	235	44215	2.14	38.4	0.2	31.4	0.547	2.92	52.4	6	0.19	110	0.08	208	2.4	100	45.8	274	0.012	6	3
Dh 6	245	250	44216	2.24	24.8	0.33	12.7	0.151	4.21	146	19.8	0.41	912	1.41	70.4	3.5	760	25.2	226	0.013	8.6	2
Dh 6	250	255	44217	1.87	20.9	0.14	4.3	0.13	2.59	40	58.9	0.55	927	0.03	34.6	16.3	340	15.9	223	0.006	8.2	1
Dh 6	260	265	44219	2.12	37.4	0.4	16.3	0.326	3.63	124	9.4	0.29	174	0.2	67.7	4.4	450	7.8	271	0.002	9.1	3
Dh 6	265	270	44220	2.75	38.3	0.38	22.7	0.426	3.01	150.5	6.7	0.22	100	0.04	89.5	0.8	270	5.7	225	0.003	9.2	4
Dh 6	270	275	44221	3.76	37.1	0.38	29.8	0.398	2.84	138.5	15.7	0.36	392	0.44	96.1	2.3	1230	10.5	226	0.005	9	4
Dh 6	275	281.8	44222	5	37.8	0.43	18.9	0.342	3.47	133.5	14.4	0.6	1250	1.71	84.3	1	3520	11.5	243	0.005	8.9	4

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61
				Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	Zn	Zr
ID	from	to	number	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Dh 5	295	300	44152	5.7	49.6	7.21	2.12	29.8	0.271	0.89	9.3	14	53	>500
Dh 5	315	320	44154	4.4	1210	3.86	0.59	13.6	0.191	0.53	2	4	7	434
Dh 5	320	325	44155	6.3	601	5.42	0.3	23	0.194	0.59	2.7	6	13	>500
Dh 5	325	330	44156	5.5	473	5.43	1.19	29.5	0.248	0.84	5.7	21	16	>500
Dh 5	330	335	44157	3.4	1250	5.25	0.94	16.3	0.399	0.75	4.5	32	76	>500
Dh 5	335	340	44158	3.3	299	5.39	0.86	12.9	0.415	0.45	3.2	31	30	>500
Dh 5	340	345	44159	4.3	154.5	9.84	0.85	12.6	0.836	0.38	3	43	41	>500
Dh 5	345	350	44160	4.8	167.5	10.5	0.97	11.6	0.847	0.36	3.1	43	77	492
Dh 5	350	355	44161	5.7	184	9.89	0.68	14.1	0.833	0.48	3	44	92	>500
Dh 5	355	360	44163	5.1	177	9.89	0.39	14.8	0.807	0.5	2.8	44	211	>500
Dh 5	360	365	44164	4.3	111	7.56	1.26	16.4	0.579	0.6	3.3	36	38	>500
Dh 5	365	370	44166	3.9	167	8.07	0.21	11.6	0.66	0.4	1.8	38	237	>500
Dh 5	370	375	44167	4	79.4	6.22	1.01	15.9	0.49	0.94	3.6	38	39	>500
Dh 5	375	380	44169	4.6	98.3	7.17	0.7	19	0.465	0.81	2.6	32	28	>500
Dh 5	380	385	44170	7.5	132	9.2	0.61	26.2	0.576	1.04	4.6	36	67	>500
Dh 6	11.7	15	44171	9.8	14.6	13.75	2.23	45.9	0.199	0.67	16.5	21	178	>500
Dh 6	15	20	44172	8.4	12.6	13.25	1.11	42.5	0.165	0.8	23.1	14	190	>500
Dh 6	20	25	44173	8.1	12.9	11.45	0.85	37.6	0.201	0.93	15.6	19	228	>500
Dh 6	25	30	44175	8.3	10.6	11.3	1.49	40.8	0.135	0.79	14.4	15	154	>500
Dh 6	30	35	44176	11.3	81.9	9.63	2.51	42.3	0.291	0.63	20.3	47	471	>500
Dh 6	35	40	44177	9.6	52.1	9.49	2.84	37.3	0.334	0.71	17.6	46	226	>500
Dh 6	40	45	44178	3.5	110	6.49	0.18	18.7	0.748	0.67	19.3	121	155	450
Dh 6	45	50	44179	8.3	7.5	12.7	0.56	40.5	0.14	0.83	25.5	15	139	>500
Dh 6	50	55	44180	9.3	9.8	12.6	0.44	39	0.153	0.61	30.4	18	183	>500
Dh 6	55	60	44181	11	34.6	22.9	0.7	51.8	0.475	0.75	30.8	18	206	>500
Dh 6	60	65	44182	11.4	35.2	24.8	0.1	49	0.563	0.79	17.3	25	176	>500
Dh 6	100	105	44183	9	29.1	17.05	1.9	45	0.332	0.86	13.7	11	252	>500
Dh 6	105	110	44184	14.3	7.3	20.9	1.24	54.2	0.097	0.74	24.1	8	20	>500
Dh 6	110	115	44185	15	9.5	23.1	1.66	68.2	0.121	0.85	30.6	8	171	>500
Dh 6	115	120	44186	13.3	7.2	21.3	1.42	57	0.105	0.63	20.8	6	198	>500
Dh 6	120	125	44187	13.1	6	20.8	0.76	56.5	0.114	0.68	18.7	6	348	>500
Dh 6	125	130	44189	15	10.3	22.2	0.81	63.7	0.123	0.57	17.8	5	20	>500
Dh 6	130	135	44190	14.2	8	21.2	0.76	60.2	0.117	0.64	19.5	6	35	>500
Dh 6	135	140	44191	15	8.5	23.1	0.87	64.5	0.117	0.63	21.1	5	187	>500
Dh 6	140	145	44192	14.8	7.5	23.5	0.87	67.3	0.122	0.72	21.8	3	47	>500
Dh 6	145	150	44193	14.4	8.1	21.3	0.55	57.4	0.114	0.62	18.1	5	16	>500
Dh 6	150	155	44194	15.2	10.5	23.6	0.62	61.9	0.12	0.7	18.4	12	22	>500
Dh 6	155	160	44196	12.3	77.4	19.9	0.64	53.3	0.235	0.7	15.1	34	24	>500
Dh 6	160	165	44198	14.6	10.6	20.2	1.55	69.5	0.105	0.77	19.1	6	27	>500
Dh 6	165	170	44199	8.5	63.7	14.75	1.39	48.1	0.261	0.7	14.3	11	169	>500
Dh 6	170	175	44200	6.3	77.2	12.95	0.56	21.6	0.609	0.63	3.5	22	238	>500
Dh 6	175	180	44201	7.4	91.2	17.2	0.16	18.1	0.834	0.48	1.3	24	248	>500
Dh 6	180	185	44202	7.5	103	17.8	0.05	19.8	0.802	0.46	2	23	219	>500
Dh 6	185	190	44203	4.3	65.2	7.08	1.18	17.6	0.446	0.81	7.9	14	270	>500
Dh 6	190	195	44204	2.9	34.5	2.85	1.09	24.9	0.233	0.79	6	17	114	>500
Dh 6	195	200	44205	5.5	23	7.66	0.77	35.5	0.213	0.96	8.3	10	10	>500
Dh 6	200	205	44207	9.3	9.3	12.9	0.6	30.3	0.179	0.54	8.3	9	19	>500
Dh 6	205	210	44208	7.3	35.7	10.85	1.14	57.9	0.17	0.73	22.1	10	141	>500
Dh 6	210	215	44210	6.5	15.5	9.42	0.59	35.2	0.129	0.52	10.9	9	22	>500
Dh 6	215	220	44211	8.4	10.2	11.1	0.67	39.3	0.138	0.49	8.3	8	10	>500
Dh 6	220	225	44213	7	6.6	9.68	0.45	37.5	0.138	0.38	8.8	8	14	>500
Dh 6	225	230	44214	12.2	15	15.9	0.95	52.1	0.177	0.69	14.7	14	50	>500
Dh 6	230	235	44215	9.4	13.3	12.8	0.64	50.9	0.152	0.54	17.4	12	38	>500
Dh 6	245	250	44216	2.4	82.2	3.86	0.5	14.8	0.338	0.74	98.5	24	141	>500
Dh 6	250	255	44217	2.2	39.7	1.6	0.1	11.4	0.227	0.58	3.8	47	92	170.5
Dh 6	260	265	44219	3.7	24.7	4.04	0.21	16.2	0.27	0.83	2.6	8	22	>500
Dh 6	265	270	44220	5.4	11.1	5.12	0.56	17.2	0.19	0.59	2.6	10	14	>500
Dh 6	270	275	44221	5.5	27.6	5.8	1.91	22.5	0.233	0.65	5.1	17	23	>500
Dh 6	275	281.8	44222	3.6	111.5	4.82	1.25	13.3	0.346	0.58	3.6	31	42	>500

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MoS2	MS61 Mo	MS61 Ag	MS61 Bi	MS61 S	MS61 Sb	MS61 W	MS61 Y	MS61 Al	MS61 As	MS61 Ba	MS61 Be	MS61 Ca	MS61 Cd	MS61 Ce	MS61 Co	MS61 Cr	MS61 Cs	MS61 Cu
ID	from	to	number	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Dh 8	1.9	5	44089	0.033	199	0.38	0.62	2.47	0.51	14.6	86.8	7.26	14.4	200	5.22	0.7	0.18	417	2.1	1	1.92	11.1
Dh 8	5	10	44090	0.017	99.7	0.33	0.33	1.04	0.2	6.8	64.1	7.33	0.5	630	6.47	2.07	0.08	298	6.6	2	2.47	11.6
Dh 8	10	15	44091	0.000	3.01	0.3	<0.01	0.33	0.19	6.8	90.7	7.7	0.5	170	3.87	0.5	<0.02	472	0.9	<1	1.31	6.7
Dh 8	70	75	44092	0.002	10.3	0.28	0.18	1.05	0.11	4.1	63	6.79	0.9	70	3.11	0.5	<0.02	108.5	2.1	8	1.8	5.7
Dh 8	75	80	44093	0.017	103.5	0.2	0.3	0.85	0.14	3.4	51.6	5.9	0.5	70	2.23	0.32	<0.02	91.5	0.4	1	1.37	2.8
Dh 8	80	85	44094	0.000	1.01	0.19	0.08	0.01	0.2	2.5	41.5	5.92	0.3	50	2.62	0.29	0.08	91.7	0.2	2	1.15	3
Dh 8	98	100	44095	0.014	82.3	0.16	0.13	1.16	0.34	6.5	56.4	6.32	1.3	50	3.67	0.21	<0.02	94.2	0.6	2	1.64	2.9
Dh 8	100	105	44097	0.004	23.2	0.2	0.07	1.1	0.21	4.7	38.6	6.26	1.1	50	2.1	0.16	<0.02	77.9	0.5	2	1.13	3.1
Dh 8	145	150	44098	0.000	1.54	0.53	0.82	0.03	0.25	6	48	6.29	0.6	80	3.3	0.55	1.3	105	2.1	1	1.84	8.7
Dh 8	150	155	44100	0.000	0.57	0.27	<0.01	0.03	0.22	2.7	41	5.63	0.3	60	1.94	0.2	0.08	83.3	0.5	2	1.02	2.4
Dh 8	235	240	44101	0.024	142.5	0.26	0.35	0.55	0.5	4.9	45.5	6.56	0.8	80	4.49	0.64	<0.02	117	2.6	1	2.01	4.7

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61	MS61
ID	from	to	number	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Na	Nb	Ni	P	Pb	Rb	Re	Sc	Se
				%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Dh 8	1.9	5	44089	3.23	41.3	0.46	37.5	0.187	2.45	216	9.2	0.53	899	2.42	227	0.7	1270	29.2	196.5	0.006	7.8	5
Dh 8	5	10	44090	4.7	30.7	0.42	23.4	0.133	3.12	152.5	13.6	1.3	1840	2.38	189	0.6	4680	36.7	205	0.003	9.6	4
Dh 8	10	15	44091	3.02	44.7	0.51	42.2	0.18	4.06	254	3.3	0.52	2140	3.15	285	0.5	730	9.8	229	<0.002	8.5	4
Dh 8	70	75	44092	1.75	29.3	0.2	22.7	0.089	4.32	51.9	3.5	0.28	1015	2.17	238	6.1	180	11.8	256	<0.002	3.6	3
Dh 8	75	80	44093	1.25	25.8	0.16	18.4	0.081	4.08	43.8	3.7	0.18	679	1.43	219	0.5	30	12	257	0.008	2.5	3
Dh 8	80	85	44094	1.32	25.8	0.17	18.6	0.082	3.91	45.9	4.6	0.24	837	1.25	210	0.6	10	16.6	238	<0.002	2.4	3
Dh 8	98	100	44095	1.38	28	0.15	19.5	0.07	3.64	48.9	4.9	0.14	215	1.26	209	0.8	60	6.7	262	0.003	2.8	3
Dh 8	100	105	44097	1.29	26.3	0.14	19.5	0.061	4.1	44.3	3	0.06	262	2.14	221	0.5	30	5.1	239	<0.002	2.5	3
Dh 8	145	150	44098	2.17	30.8	0.21	16.5	0.104	4.1	50.4	4.7	0.32	1745	1.81	202	0.4	1240	451	267	<0.002	3.7	3
Dh 8	150	155	44100	1.21	23.6	0.16	15.6	0.072	3.6	43.8	3.7	0.05	802	2.08	196.5	0.5	20	13.1	215	<0.002	2.2	2
Dh 8	235	240	44101	2.13	28.6	0.2	16.8	0.337	3.02	57.1	6.9	0.36	858	2.04	194.5	0.5	1000	10.8	225	0.013	4	3

Table 1. Assay results for drill core (ALS Chemex ME-MS61 method), Ramnes 2007.

DDH	Interval		Sample	MS61 Sn	MS61 Sr	MS61 Ta	MS61 Te	MS61 Th	MS61 Ti	MS61 Tl	MS61 U	MS61 V	MS61 Zn	MS61 Zr
ID	from	to	number	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Dh 8	1.9	5	44089	6.7	93.8	13.1	1.24	35.4	0.424	0.68	5.9	20	273	>500
Dh 8	5	10	44090	4.9	337	10.65	0.88	19	0.909	0.64	4.1	37	172	>500
Dh 8	10	15	44091	10.1	36.7	22	0.44	40.7	0.542	0.68	3.1	22	45	>500
Dh 8	70	75	44092	9.8	51	15.35	0.27	48.3	0.206	0.89	12.1	12	21	>500
Dh 8	75	80	44093	8.4	37.2	12.8	0.36	40.5	0.123	0.86	10.8	5	16	440
Dh 8	80	85	44094	7.1	50.3	12.4	0.05	40.9	0.118	0.72	8.8	4	90	431
Dh 8	98	100	44095	6.5	17.9	12.25	0.45	39.9	0.11	0.79	11.8	5	13	480
Dh 8	100	105	44097	6.9	22.5	13.1	0.67	42.5	0.118	0.72	10.6	3	6	474
Dh 8	145	150	44098	6	44.8	11.6	0.12	33.4	0.281	0.72	9.3	13	446	414
Dh 8	150	155	44100	6.1	16.1	11.75	0.05	36.7	0.116	0.61	8	4	53	373
Dh 8	235	240	44101	7.2	47.9	11.3	0.35	37.2	0.265	0.68	12.4	17	36	424

APPENDIX 3

Directional Core Drilling & Borehole Services

Avviksmåling Andebu

Prosjektnummer: 18

RAPPORT

Rapportens Tittel Avviksmåling Andebu	*Dato* 02.08.2007
	Antall sider 8
Forfatter Rune Lindhjem	*Ansvarlig signatur* Viktor Tokle
Avdeling Borehole Services	*Prosjektnummer* 18

Oppdragsgiver Crew Minerals ASA	*Oppdr. givers ref.* Rune Wilberg

Ekstrakt
20.07.2007 ble det gjennomført avviksmålinger av 2 borehull i Re kommune. Lengden på avviksmålingene ble 110 og 115 meter.

Resultatene fra avviksmålingene er bearbeidet i DeviSoft programvare før rapportering.

Stikkord:	Indexing terms:
Avviksmåling	
DeviTool	

Devico AS Box 206 N-7224 Melhus Norway – Phone: +47 72 87 01 01 – Fax: +47 72 87 01 11
E-mail: devico@devico.no – Web: www.devico.no – Bankgiro: 4230 06 81675 – Foretaksregisteret: NO947402633MVA

1.Forord

Avviksmålingene i Re kommune ble utført fredag 20.07.2007 på oppdrag fra Crew Minerals ASA. Feltarbeidet ble utført av Rune Lindhjem og Ernie Jacobs fra Devico AS.

2.Innhold

1. Forord 3
2. Innhold 3
3. Sammendrag 4
4. Avviksmåling 4
   4.1. Måleprosedyre 4
   4.2. Utstyr 4
5. Feilkilder 5
6. Konklusjon 5

Devico AS Box 206 N-7224 Melhus Norway – Phone: +47 72 87 01 01 – Fax: +47 72 87 01 11
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3.Sammendrag

Opprinnelig skulle fire borehull måles inn. Alle fire hullene hadde kollapset, ved henholdsvis 3, 13, 112 og 118 meter, og målinger ble kun utført for de tre lengste. Målingen fra det korteste hullet (13 m) var sterkt påvirket av borehullets casing og ga derfor ingen brukbare resultater.

Resultatene fra avviksmålingene er bearbeidet i DeviSoft programvare før rapportering. De rapporterte dataene er gitt i globalt koordinatsystem (jf. utlevert materiale).

4.Avviksmåling

4.1. Måleprosedyre

1) Før alle avviksmålinger ble det gjennomført et dummy-run uten måleinstrument for å undersøke borehullet for mulig kollaps. Begrunnelsen for dette er å unngå tap av selve måleinstrumentet.
2) Borehullene ble avviksmålt med 5 meters intervall. Målingene startet på toppen av borehullet.

4.2. Utstyr



Figur 2: DeviTool standard

DeviTool Standard er elektronisk multishot måleinstrument basert på magnetiske og gravimetriske sensorer for å bestemme instrumentets retning og orientering. Målingene blir lagret i instrumentet underveis i undersøkelsen og overført til PDA når instrumentet er tilbake på overflaten. Disse dataene brukes videre til å regne ut borehullets x, y og z koordinater.

DeviTool standard instrumentet ble senket ned i borehullet ved hjelp av medbrakt vinsj med distanseteller (desimeter nøyaktighet).

Målingene fra DeviTool Standard instrumentet er importert og bearbeidet med DeviSoft programvare.

5.Feilkilder

DeviTool Standard nøyaktighet:

- Inklinasjon absolutt ± 0.2°
- Retning ± 1°

Det er regnet med 0,7 graders misvisning mot øst. Denne verdien er oppgitt av Statens Kartverk.

De magnetometriske sensorene i instrumentet vil bli påvirket av lokale variasjoner i magnetfeltet, som for eksempel borehullets casing og magnetiske bergarter. Under bearbeidelse av dataene er det justert for dette.

6.Konklusjon

En oversikt over de målte borehullene er gitt i vedlegg A. Resultatene fra avviksmålingene er presentert i vedlegg B.

Vedlegg A

borehole	length surveyed (m)	comments
Dh 5	115	Hole blocked at 118 m
Dh 6	13.2	Hole blocked at 13.2 m, results from survey affected by casing and therefore of no value.
Dh 2	110	Hole blocked at 112 m
Dh 7	-	Hole blocked at 3 m

VEDLEGG B

Client: Crew Minerals ASA
Project: 1
Hole: Dh5 (ind.: 1)
Notes: Hole blocked at 110m
Values in red corrected for magnetic influence
Date: 7/30/2007

Surveyed data, calculated trajectories coordinates:

Depth	Direction	Inclination	Northing	Easting	Z-value
0	50.3	-43.44	6,583,192.00	566,565.00	0
5	50.3	-43.44	6,583,194.32	566,567.79	-3.438
10	50.3	-43.34	6,583,196.64	566,570.59	-6.873
15	50.66	-43.21	6,583,198.96	566,573.40	-10.301
20	51.1	-43.11	6,583,201.26	566,576.23	-13.721
25	51.56	-42.92	6,583,203.54	566,579.08	-17.132
30	51.96	-42.67	6,583,205.81	566,581.96	-20.529
35	52.17	-42.68	6,583,208.07	566,584.86	-23.918
40	52.53	-42.48	6,583,210.32	566,587.78	-27.301
45	52.89	-42.28	6,583,212.56	566,590.72	-30.671
50	53.41	-42.23	6,583,214.78	566,593.68	-34.033
55	53.79	-41.97	6,583,216.98	566,596.66	-37.385
60	53.94	-41.7	6,583,219.18	566,599.67	-40.721
65	54.3	-41.61	6,583,221.37	566,602.70	-44.044
70	54.42	-41.36	6,583,223.55	566,605.74	-47.356
75	54.61	-41.16	6,583,225.73	566,608.80	-50.653
80	55.07	-40.9	6,583,227.90	566,611.89	-53.935
85	55.55	-40.67	6,583,230.06	566,615.00	-57.201
90	56.35	-40.53	6,583,232.18	566,618.15	-60.455
95	57.06	-40.33	6,583,234.27	566,621.33	-63.698
100	57.92	-40.13	6,583,236.32	566,624.55	-66.927
105	58.61	-39.93	6,583,238.34	566,627.80	-70.143
110	59.01	-39.61	6,583,240.33	566,631.09	-73.341
115	59.64	-39.14	6,583,242.30	566,634.41	-76.513

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

Client: Crew Minerals ASA
Project: 1
Hole: Dh2 (ind.: 3)
Notes: Hole blocked at 110m
Values in red corrected for magnetic influence
Date: 7/30/2007

Surveyed data, calculated trajectories coordinates:

Depth	Direction	Inclination	Northing	Easting	Z-value
0	336.17	-43.7	6,583,000.00	565,547.00	0
5	336.13	-43.55	6,583,003.31	565,545.54	-3.45
10	336.11	-43.23	6,583,006.63	565,544.07	-6.884
15	336.09	-42.88	6,583,009.97	565,542.59	-10.298
20	336.15	-42.5	6,583,013.33	565,541.10	-13.688
25	336.24	-42.23	6,583,016.71	565,539.61	-17.057
30	336.46	-42.16	6,583,020.11	565,538.12	-20.416
35	336.8	-42	6,583,023.51	565,536.65	-23.766
40	337.06	-41.87	6,583,026.94	565,535.19	-27.108
45	337.33	-41.8	6,583,030.37	565,533.75	-30.443
50	337.61	-41.68	6,583,033.82	565,532.32	-33.771
55	337.99	-41.44	6,583,037.28	565,530.90	-37.088
60	338.29	-41.29	6,583,040.76	565,529.51	-40.393
65	338.58	-41.13	6,583,044.26	565,528.12	-43.687
70	338.95	-41.03	6,583,047.77	565,526.76	-46.972
75	339.35	-40.88	6,583,051.30	565,525.42	-50.249
80	339.84	-40.78	6,583,054.85	565,524.10	-53.518
85	340.25	-40.73	6,583,058.41	565,522.80	-56.783
90	340.56	-40.65	6,583,061.98	565,521.53	-60.043
95	340.83	-40.45	6,583,065.57	565,520.28	-63.293
100	341.18	-40.23	6,583,069.17	565,519.04	-66.53
105	341.37	-40.09	6,583,072.79	565,517.81	-69.754
110	341.45	-40.01	6,583,076.42	565,516.59	-72.972

Direction in Degrees, length unit Meter, inclination in Degrees, zero is horizontal

APPENDIX 4

Table 1. Drill hole logging sheet, DH 1, Ramnes, 2007.

m	Lithology	Remarks	Sericitic Int	Sericitic I	Silicic Int	Silicic I	Clay Int	Clay I	Pyrite Int	Pyrite I	Pyrite Type	Bleach Int	sample #	MoS2 Type	MoS2 No	MoS2 direc	Other minerals	SUSC	SCR	RQD
Drill hole Dh 1		Location Tronka West	Length 311,25m						Azimuth 65°				Dip 45°							
X UTM 565025		Y UTM 6582773	UTM Zone 32						masl 119				Date 2007							
0																				
		0-5,55: Cover																		
2																				
4																				
				1		0		1		1										
6	5,55-38,50: RD	Dark redbrown to bleached.																70		
		Up to cm-sized fld porph (hematitized red core with light rim)																100		
8		Mn at fractures.																50		
		Few thin veins w purple and green fluorite ±calcite ±py.																30		
10		Rel abundant hairthin qtz+py±fluorite±calcite veins		1		0		1		1					0			70		
		Epidote(-fluorite-py) at fractures																50		
12																		35		
																		60		
14		13,90-14,70: Brecciated, w network of dark veins										13,90-14,70						50		
				1		0		1		1			44019		0			20	61	50
16																		40		
																		1500		
18																		1600		
																		1200		
20				1		0		1		1			44020	F	3	60, 30		150	57	48
		20,00-44,50: Frz										20,00-38,50						5		
22																		5		
																		20		
24																		20		
				2		0		2		1			44021/22	F,D	7	60, 30		15	17	10
26																		20		
																		25		
28																		40		
																		40		
30				1		0		1		1			44023	F	3	60, 30		30	15	10
																		30		
32																		15		
																		17		
34																		25		
				1		0		1		2			44024	F	5	30		25	19	16
36																		20		
																		20		
38																		5		
	38,50-44,90 DI																	5		
40		39,10-39,60: Core loss		2		0		1		2			44026	F	2	60		5500	22	11
																		4800		
42																		5400		
																		400		
44		43,30-44,90: Pervasively clay alt (light green) DI, alt by later R																60		
	44,90-60,75 RD	44,90-48,60: brecciated and ser alt RD, fluorite-fld-qtz-Mo mat		1		0		3		1			44027	F	1	30		45	16	8
46																		10		
																		30		
48																		25		
		48,60: Open space qtz-fluorite-py vein																5		
50		48,60-60,75: redbrown, w green sections w green fld porph,		2		2		1		2			44029	D	0			20	76	70
		and in places flow banding																20		
52																		500		
																		1200		
54																		100		
				1		0		1		1			44030		0			300	62	50
56																		20		
																		25		
58																		600		
																		600		
60				1		0		1		1			44031	F	1	60		1200	80	59
	60,75-68,15 GR	Greyred, finegr, foliated, flowbanded granite.																900		
62		W some laths and spots of white fld.																15		
		Bio-rich.																10		
64		Younger than RD.																12		
		Sharp contacts.		0		0		0		1					0			12	87	83
66		Banding and contacts 50° to CA.																12		
																		10		
68																		13		
	68,15-72,60 RD	Redbrown. Few thin fluorite-py veins																60		
70				0		0		0		1					0			1200	92	89
																		400		
72																		100		
	72,60-72,80 RH																	20		
74	72,80-121,5C RD	Little affected by alt,																15		
		except the lower 0.5m, along the cont to RH,		1		0		1		2					0			1600	85	67

Table 1. Drill hole logging sheet, DH 1, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite				MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
76		where the RD is ser-sil alt and															1600		
		contain scarce Mo-diss															1500		
78																	1700		
																	1500		
80				0		0		0		1					0		1600	88	80
82																	1500		
																	1500		
84																	1400		
																	1900		
86				0		0		0		1					0		1500	91	82
																	1500		
88																	1600		
																	1500		
90				0		0		0		1					0		1500		
																	1000	89	80
92																	1700		
																	1600		
94																	1700		
																	1600		
96				0		0		0		1					0		1800	100	97
																	1500		
98		97,00-99,50: Bleached, w traces of Mo-diss.										97,00-99,50					1400		
																	500		
100				1		0		1		2			44032	D			20		
																	30	79	62
102																	1800		
																	1700		
104																	1700		
																	600		
106				0		0		0		1			44033/34	F	3	60	90	87	72
																	30		
108																	25		
																	1800		
110				1		1		1		1			44035	F	3	60	1700		
																	1900	91	79
112																	1800		
																	1700		
114																	1800		
																	1800		
116		115-120: Cm-thick ser-sil veins w py(-Mo) seems.		1		0		1		1			44036		0		1700	96	80
																	1700		
118																	25		
																	30		
120				1		1		1		1			44037	F	5	60	1200		
																	1100	78	67
122	121,50-126,0 RH	Grey alt rhyolite,															40		
		10cm upper cont tot clay alt.															80		
124																	2		
																	1		
126				2		1		1		2			44038	F, D	2	60	1	65	54
	126,00-131,3 RD	Greygreen, rel fresh.															1		
128		Middle 3m is rel coarsegr, w cm-sized fld porph,															2200		
		finegr above and below.															5800		
130		Finegr mt-diss.		0		0		0		1			44039	F, D	2	30	4500		
	131,30-140,2 RH	Light grey.															5300	92	81
132		Sharp upper cont, 90° to CA															40		
		RD alt at the cont to RH															3		
134																	1		
																	1		
136				2		1		0		1			44040	F	1	60	1	83	81
																	1		
138		137,50-138,00: Green, tot clay alt.															1		
																	30		
140				2		1		2		1			44041	F,D	6	30, 60	1	54	29
	140,20-177,0 RD	Pervasively ser-sil alt, but preserved fld porph.															1		
142		Fluorite rich (diss and in veins/fract) down to 170.															1		
		No py-diss.															1		
144																	1		
				2		1		0		0			44042	D	0		1	84	68
146																	1		
																	1		
148																	1		
																	1		
150				2		1		0		0			44043	F	1	60	1	93	88
																	1		

Table 1. Drill hole logging sheet, DH 1, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int	Type	No	direc	minerals			
152																	1		
																	1		
154																	1		
				2		1		0		0				0			1	52	35
156																	1		
																	1		
158																	1		
																	1		
160				2		1		0		0				0			1	78	42
																	1		
162																	1		
																	1		
164																	1		
				2		1		0		0				0			1	79	70
166																	1		
																	1		
168																	1		
																	1		
170				2		1		0		0				0			1	75	68
																	1		
172																	1		
																	1		
174																	1		
				2		1		0		0				0			1	80	72
176																	1		
																	1		
178	177,00-180,0 RH	Grey, alt rhyolite															1		
																	4		
180				2		1		0		1				0			2	89	73
	180,00-182,1 RD	Alt RD w abundant fluorite.															1		
182																	1		
	182,10-185,0 RH																1		
184																	1		
				1		1		0		1				0			4	86	81
186	185,00-214,0 RD	Varyable: from rel fresh, redbrown, via light greenish, to light grey w incr alt.															1		
																	1		
188		Includes 1m section of dark grey to black, finegr.															1		
																	2		
190				2		1		1		1			F	2	60		2	86	84
																	5		
192																	12		
																	15		
194																	25		
				1		0		1		1				0			1200	94	89
196																	300		
																	100		
198																	20		
																	20		
200				0		0		1		1				0			20	85	81
																	15		
202																	5		
																	2		
204																	5		
				1		1		1		1				0			5	81	65
206																	10		
																	10		
208																	140		
																	6000		
210				0		0		1		1				0			10	90	85
																	15		
212																	60		
		212,60: 2cm thick fluorite vein.															12		
214																	3		
	214,00-252,8 RH	Light grey. Flow banding in upper 3m.		0		0		1		1				0			2	95	93
216		Sharp upper cont to RD.															1		
		Little alt in the upper 2m.															1		
218		Minor fluorite-diss/fract in upper part, rel abundant from 226,50															1		
																	1		
220				2		1		0		1			44046	F	4	30, 60	1	80	73
																	1		
222																	1		
																	1		
224				2		1		0		0			44047	F	5	30, 60	1	83	77
226																	1		
																	1		

Table 1. Drill hole logging sheet, DH 1, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int							
228																	1		
																	1		
230				1		1		0		0			44048	F	3	30	1	74	68
																	1		
232																	1		
																	1		
234																	1		
				2		1		0		0			44050	F	3	30, 60	1	93	91
236																	1		
																	1		
238																	1		
																	1		
240				2		1		0		0			44051	F	3	60	1	77	71
																	1		
242																	1		
																	1		
244																	1		
				2		1		0		0			44052	F	2	60	1	56	48
246																	1		
																	1		
248																	1		
		248,50-249,30: Frz															1		
250				2		1		0		0			44053	F	2	0, 30	1	67	55
																	1		
252		252,40: Mo-cpy-fluorite at fracture.															1		
	252,50-264,0 RD	Alt RD w abund fluorite-diss/fract.															1		
254		From 260 less fluorite															1		
				2		1		0		0			44054	F	3	30, 60	1	82	68
256																	1		
																	1		
258																	1		
																	1		
260				2		1		0		1			44055/56	F	3	60	1	89	87
																	1		
262																	1		
																	1		
264																	1		
	264,00-265,6 RH	Light grey. Flow banding. Sharp lower cont.		2		1		0		1			44057	F	4	60	1	78	70
266	265,60-268,6 RD	Alt, light grey, porphyritic.															1		
																	1		
268																	1		
	268,60-294,7 RH	Alt, light grey.															1		
270				2		1		0		1			44059	F	2	60	1	84	80
																	1		
272																	1		
																	1		
274																	1		
				2		1		0		0			44060	F	4	30, 60	1	83	75
276																	1		
																	1		
278																	1		
		278,40-278,60: Frz															1		
280				2		1		0		1			44061	F	3	30, 60	1	71	64
																	1		
282																	1		
																	1		
284																	1		
				2		1		0		1			44062	F	3	60	1	86	83
286																	1		
																	1		
288																	1		
																	1		
290				2		1		0		1			44063	F	7	60	1	74	69
																	1		
292																	1		
																	1		
294																	1		
	294,70-311,2 RD	Beige-greenish w epidotized fld porph,		2		1		0		1			44064	F	5	60	1	82	73
296		w light grey perv alt sect.															5		
		Little fluorite.															5		
298		307,05-311,25: Rel fresh RD															12		
																	12		
300				1		1		1		2			44065	F	3	60	20	91	89
																	10		
302																	1		
																	15		

Table 1. Drill hole logging sheet, DH 1, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int							
304																	12		
				1		1		1		2			44066/67	F	2	60	17	96	95
306																	20		
																	15		
308																	1500		
																	1600		
310				1		1		0		1				F	1	60	1500	83	78
																	900		
312		311,25: EOH											44068						
314																			
316																			
318																			
320																			
322																			
324																			
326																			
328																			
330																			
332																			
334																			
336																			
338																			
340																			

Table 1. Drill hole logging sheet, DH 1, Ramnes, 2007.

Drill hole Dh 1	Location Tronka West	Length 311,25m	Azimuth 65°	Dip 45°																		
X UTM 565025	Y UTM 6582773	UTM Zone 32	masl 119	Date 2007																		
m	Lithology	Remarks	Alteration										sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach			MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
0		0-5,55: Cover																		
2																				
4																				
				1		0		1		1										
6	5,55-38,50: RD	Dark redbrown to bleached.																70		
		Up to cm-sized fld porph (hematitized red core with light rim)																100		
8		Mn at fractures.																50		
		Few thin veins w purple and green fluorite ±calcite ±py.																30		
10		Rel abundant hairthin qtz+py±fluorite±calcite veins		1		0		1		1					0			70		
		Epidote(-fluorite-py) at fractures																50		
12																		35		
																		60		
14		13,90-14,70: Brecciated, w network of dark veins										13,90-14,70						50		
				1		0		1		1			44019		0			20	61	50
16																		40		
																		1500		
18																		1600		
																		1200		
20				1		0		1		1			44020	F	3	60, 30		150	57	48
		20,00-44,50: Frz										20,00-38,50						5		
22																		5		
																		20		
24																		20		
				2		0		2		1			44021/22	F,D	7	60, 30		15	17	10
26																		20		
																		25		
28																		40		
																		40		
30				1		0		1		1			44023	F	3	60, 30		30	15	10
																		30		
32																		15		
																		17		
34																		25		
				1		0		1		2			44024	F	5	30		25	19	16
36																		20		
																		20		
38																		5		
	38,50-44,90 DI																	5		
40		39,10-39,60: Core loss		2		0		1		2			44026	F	2	60		5500	22	11
																		4800		
42																		5400		
																		400		
44		43,30-44,90: Pervasively clay alt (light green) DI, alt by later R																60		
	44,90-60,75 RD	44,90-48,60: brecciated and ser alt RD, fluorite-fld-qtz-Mo mat		1		0		3		1			44027	F	1	30		45	16	8
46																		10		
																		30		
48																		25		
		48,60: Open space qtz-fluorite-py vein																5		
50		48,60-60,75: redbrown, w green sections w green fld porph,		2		2		1		2			44029	D	0			20	76	70
		and in places flow banding																20		
52																		500		
																		1200		
54																		100		
				1		0		1		1			44030		0			300	62	50
56																		20		
																		25		
58																		600		
																		600		
60				1		0		1		1			44031	F	1	60		1200	80	59
	60,75-68,15 GR	Greyred, finegr, foliated, flowbanded granite.																900		
62		W some laths and spots of white fld.																15		
		Bio-rich.																10		
64		Younger than RD.																12		
		Sharp contacts.		0		0		0		1					0			12	87	83
66		Banding and contacts 50° to CA.																12		
																		10		
68																		13		
	68,15-72,60 RD	Redbrown. Few thin fluorite-py veins																60		
70				0		0		0		1					0			1200	92	89
																		400		
72																		100		
	72,60-72,80 RH																	20		
74	72,80-121,50 RD	Little affected by alt,																15		
		except the lower 0.5m, along the cont to RH,		1		0		1		2					0			1600	85	67

Table 1. Drill hole logging sheet, DH 1, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite			Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
76		where the RD is ser-sil alt and																1600		
		contain scarce Mo-diss																1500		
78																		1700		
																		1500		
80				0		0		0		1					0			1600	88	80
																		1500		
82																		1500		
																		1400		
84																		1900		
				0		0		0		1					0			1500	91	82
86																		1500		
																		1600		
88																		1500		
																		1500		
90				0		0		0		1					0			1000	89	80
																		1700		
92																		1600		
																		1700		
94																		1600		
				0		0		0		1					0			1800	100	97
96																		1500		
																		1400		
98		97,00-99,50: Bleached, w traces of Mo-diss.										97,00-99,50						500		
																		20		
100				1		0		1		2			44032	D				30	79	62
																		1800		
102																		1700		
																		1700		
104																		600		
				0		0		0		1			44033/34	F	3	60		90	87	72
106																		30		
																		25		
108																		1800		
																		1700		
110				1		1		1		1			44035	F	3	60		1900	91	79
																		1800		
112																		1700		
																		1800		
114																		1800		
				1		0		1		1			44036		0			1700	96	80
116		115-120: Cm-thick ser-sil veins w py(-Mo) seems.																1700		
																		25		
118																		30		
																		1200		
120				1		1		1		1			44037	F	5	60		1100	78	67
																		40		
122	121,50-126,0 RH	Grey alt rhyolite,																80		
		10cm upper cont tot clay alt.																2		
124																		1		
				2		1		1		2			44038	F, D	2	60		1	65	54
126																		1		
	126,00-131,3 RD	Greygreen, rel fresh.																2200		
128		Middle 3m is rel coarsegr, w cm-sized fld porph,																5800		
		finegr above and below.																4500		
130		Finegr mt-diss.		0		0		0		1			44039	F, D	2	30		5300	92	81
	131,30-140,2 RH	Light grey.																40		
132		Sharp upper cont, 90° to CA																3		
		RD alt at the cont to RH																1		
134																		1		
				2		1		0		1			44040	F	1	60		1	83	81
136																		1		
																		1		
138		137,50-138,00: Green, tot clay alt.																30		
																		1		
140				2		1		2		1			44041	F,D	6	30, 60		1	54	29
	140,20-177,0 RD	Pervasively ser-sil alt, but preserved fld porph.																1		
142		Fluorite rich (diss and in veins/fract) down to 170.																1		
		No py-diss.																1		
144																		1		
				2		1		0		0			44042	D	0			1	84	68
146																		1		
																		1		
148																		1		
																		1		
150				2		1		0		0			44043	F	1	60		1	93	88
																		1		

Table 1. Drill hole logging sheet, DH 1, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
152																	1		
																	1		
154																	1		
				2		1		0		0			44044		0		1	52	35
156																	1		
																	1		
158																	1		
																	1		
160				2		1		0		0			44045		0		1	78	42
																	1		
162																	1		
																	1		
164																	1		
				2		1		0		0					0		1	79	70
166																	1		
																	1		
168																	1		
																	1		
170				2		1		0		0					0		1	75	68
																	1		
172																	1		
																	1		
174																	1		
				2		1		0		0					0		1	80	72
176																	1		
																	1		
178	177,00-180,0 RH	Grey, alt rhyolite															1		
																	4		
				2		1		0		1					0		2	89	73
180	180,00-182,1 RD	Alt RD w abundant fluorite.															1		
																	1		
182	182,10-185,0 RH																1		
																	1		
184				1		1		0		1					0		4	86	81
	185,00-214,0 RD	Varyable: from rel fresh, redbrown, via light greenish, to															1		
186		light grey w incr alt.															1		
		Includes 1m section of dark grey to black, finegr.															1		
188																	2		
				2		1		1		1				F	2	60	2	86	84
190																	5		
																	12		
192																	15		
																	25		
194				1		0		1		1					0		1200	94	89
																	300		
196																	100		
																	20		
198																	20		
				0		0		1		1					0		20	85	81
200																	15		
																	5		
202																	2		
																	5		
204				1		1		1		1					0		5	81	65
																	10		
206																	10		
																	140		
208																	6000		
				0		0		1		1					0		10	90	85
210																	15		
																	60		
212		212,80: 2cm thick fluorite vein.															12		
																	3		
214	214,00-252,5 RH	Light grey. Flow banding in upper 3m.		0		0		1		1					0		2	95	93
		Sharp upper cont to RD.															1		
216		Little alt in the upper 2m.															1		
		Minor fluorite-diss/fract in upper part, rel abundant from 226,50															1		
218																	1		
				2		1		0		1			44046	F	4	30, 60	1	80	73
220																	1		
																	1		
222																	1		
																	1		
224				2		1		0		0			44047	F	5	30, 60	1	83	77
																	1		
226																	1		

Table 1. Drill hole logging sheet, DH 1, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int	Type	No	direc	minerals			
228																	1		
																	1		
230				1		1		0		0			44048	F	3	30	1	74	68
																	1		
232																	1		
																	1		
234																	1		
				2		1		0		0			44050	F	3	30, 60	1	93	91
236																	1		
																	1		
238																	1		
																	1		
240				2		1		0		0			44051	F	3	60	1	77	71
																	1		
242																	1		
																	1		
244																	1		
				2		1		0		0			44052	F	2	60	1	56	48
246																	1		
																	1		
248																	1		
		248,50-249,30: Frz															1		
250				2		1		0		0			44053	F	2	0, 30	1	67	55
		252,40: Mo-cpy-fluorite at fracture.															1		
252	252,50-264,C RD	Alt RD w abund fluorite-diss/fract.															1		
		From 260 less fluorite															1		
254																	1		
				2		1		0		0			44054	F	3	30, 60	1	82	68
256																	1		
																	1		
258																	1		
																	1		
260				2		1		0		1			44055/56	F	3	60	1	89	87
																	1		
262																	1		
																	1		
264																	1		
	264,00-265,6 RH	Light grey. Flow banding. Sharp lower cont.		2		1		0		1			44057	F	4	60	1	78	70
266	265,60-268,6 RD	Alt, light grey, porphyritic.															1		
																	1		
268																	1		
	268,60-294,7 RH	Alt, light grey.															1		
270				2		1		0		1			44059	F	2	60	1	84	80
																	1		
272																	1		
																	1		
274																	1		
				2		1		0		0			44060	F	4	30, 60	1	83	75
276																	1		
																	1		
278																	1		
		278,40-278,60: Frz															1		
280				2		1		0		1			44061	F	3	30, 60	1	71	64
																	1		
282																	1		
																	1		
284																	1		
				2		1		0		1			44062	F	3	60	1	86	83
286																	1		
																	1		
288																	1		
																	1		
290				2		1		0		1			44063	F	7	60	1	74	69
																	1		
292																	1		
																	1		
294																	1		
	294,70-311,2 RD	Beige-greenish w epidotized fld porph,		2		1		0		1			44064	F	5	60	1	82	73
296		w light grey perv alt sect.															5		
		Little fluorite.															5		
298		307,05-311,25: Rel fresh RD															12		
																	12		
300				1		1		1		2			44065	F	3	60	20	91	89
																	10		
302																	1		
																	15		

Table 2. Drill hole logging sheet, DH 2, Ramnes, 2007.

Drill hole Dh 2	Location Tronka East	Length 222,35m	Azimuth 340	Dip 45°														
X UTM 565547	Y UTM 6583000	UTM Zone 32	masl 113	Date 2007														
m	Lithology	Remarks	Alteration										sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach			MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
0		0-10,80: Cover																		
2																				
4																				
6																				
8																				
10	10,80-15,30 RH	Light grey, flow banding																1		
12																		1		
14				1		0		0		2			44223	F	6	30, 60, 90		1		
16	15,30-31,90 IG	Light grey (upper 10m) to pink, small fld porph in places																1		
18		Vein network of py and fluorite, majority of veins <1mm thick.																1		
20		Some open space py-fluorite veins.		1		0		0		2			44224	F	4	60, 30		1	87	82
22		Py-diss. In places minor fluorite-diss.																1		
24				1		0		0		2				F	1	30		1	85	80
26																		1		
28																		1		
30				0		0		0		2				F	1	30		1	62	56
32	31,90-34,00 TI	Dark brown trach ignimbrite w flow banding and ≤1mm sized fld porph. Graditional contact to the lighter rhyo ign.																10		
34	34,00-43,60 IG			0		0		0		2					0			5	63	54
36																		5		
38																		5		
40				0		0		0		2					0			5	79	69
42																		5		
44	43,60-90,30 RH	Grey to pink, massive, to in places banded. Occ small fld porph.		0		0		0		2					0			5	68	59
46																		5		
48																		3		
50				0		0		0		2					0			3	70	60
52																		3		
54				0		0		0		2			44001	F	4	30		1	84	75
56		55,80-56,00: Frz																1		
58																		1		
60				0		0		0		1				F	1	30		1	66	56
62																		1		
64				0		0		0		1				F	1	30		1	63	55
66																		1		
68																		1		
70				0		0		0		1				F	1	30		1	71	62
72																		1		
74				1		1		1		2			44002	F	4	30		1	51	46

Table 2. Drill hole logging sheet, DH 2, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
76																	1		
																	1		
78																	1		
																	1		
80				1		1		1		3					0		1	77	70
		80,20-80,40: Frz															1		
82																	1		
		82,90-83,00: Frz															1		
84		83,25-83,35: Frz															1		
				1		1		1		2				F	2	30	1	52	41
86																	1		
																	1		
88																	1		
																	1		
90	90,30-106,4 IG			1		1		0		2				F	2	0, 30	1	79	72
																	1		
92																	1		
																	1		
94																	1		
				0		1		0		2				F	3	30	1	70	50
96																	1		
																	1		
98		98,10-100,60: Zone of weakness, w epidotization.															1		
																	1		
100				0		1		0		2					0		1	59	36
		100,50-103,40: Frz															1		
102																	1		
																	1		
104																	3		
				0		1		0		1				F	1	30	4	45	31
106	106,40-111, RH																2		
																	1		
108																	1		
																	1		
110				1		1		0		1		44225	F		4	30, 60	1	77	64
		111,40-111,45: Finegr Mo-ser vein (photo).															8		
112	111,45-112, DI	Cont 70° to CA, clay alt contacts.															2700		
	112,35-113, RH	Alt. 112,80-112,83: brecc Mo-ser vein.															3900		
114	113,00-154, RD	Redbrown, w up to cm-size fld porph.															40		
				1		1		1		1		44003	V,F	4	60		250	57	40
116		115,30-115,80: Clay zone															1200		
																	1100		
118																	900		
																	40		
120				0		0		1		1					0		200	73	69
																	500		
122																	600		
																	1900		
124																	1600		
				0		0		0		0					0		1700	74	55
126																	1200		
																	150		
128																	30		
																	20		
130				0		0		0		0					0		20	80	50
																	600		
132		131,60-140,00: RD, alternating redbrown and green (ep) and light grey (ser) alt.															1		
																	1		
134																	20		
		134,67-134,70: Mo-ser vein		2		1		1		1		44005	V		1	60	2	76	44
136																	5		
		136,72-136,75: Mo-ser vein.															10		
138																	15		
																	5		
140				1		1		1		1		44006	V,F		2	60	7	70	46
																	2200		
142																	2000		
																	1900		
144																	2000		
				0		0		0		0					0		1300	93	84
146																	1200		
																	40		
148																	20		
																	60		
150				0		0		0		0					0		30	92	80
																	35		

Table 2. Drill hole logging sheet, DH 2, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
152																	20		
																	50		
154		154,00-156,10: Frz w clay															15		
	154,80-157, RH	Redbrown.		1		0		1		1		44007	F	3	60		20	81	73
156		156,60-156,70: Frz															3		
		157,30-Frz w clay															5		
158	157,50-162, DI	W light green, clay alt cont zones.															1700		
		157,40-157,50: 2mm thick qtz-ep vein w															4800		
160		Mo-ser diss along contacts,		0		0		1		1		44008	F	3	0, 30		4900	50	35
		cut by diabase (photo).															4000		
162																	160		
	162,00-173, RH	Alt RH og rhyo breccia.															12		
164		163,85-163,88: Mo-ser vein															5		
		164,50-164,52: Brecc Mo-ser vein		1		1		0		1		44009	V,F	8	60, 30, 0		5	68	57
166		163,85-169,90: Stockwork of Mo-py±qtz±fluorite±ep veir															1		
		166,70: Breccia w Mo-ser matrix (photo).															1		
168		167,90: 1mm thick qtz vein w Mo along															1		
		cont + stockwork (photo)															1		
170				1		1		1		1		44010/11	F, stw	80	30, 60, 90, 0		1	73	62
																	1		
172																	1		
																	1		
174	173,90-176, RD																1		
				2		1		1		1		44012	F	9	60, 90, 30		20	78	73
176																	10		
	176,90-178, RH																5		
178																	5		
	178,70-189, GR	Light grey alt aplitic granite															3		
180				1		1		1		1		44014	F	1	30		1	92	88
																	1		
182																	1		
																	1		
184																	1		
				2		1		1		1		44015	V,F	2	60		1	96	94
186		185,42-185,45: Mo-ser-py vein															1		
																	1		
188																	1		
	189,70-191, RH			2		1		1		1		44016	V,F	3	60, 30		1	92	88
192	191,75-220, RD	Redbrown, very weak alt,															1		
		in places wek epidotization.															1		
194																	30		
				0		0		1		1					0		4000		
196																	5200	84	75
																	5000		
198																	5000		
																	4500		
200				0		0		0		1					0		3500		
																	4500	94	83
202																	2900		
																	70		
204																	30		
				0		0		0		1					0		30		
206																	15	93	89
																	35		
208																	20		
																	30		
210				0		0		0		1					0		25		
																	30	87	77
212																	40		
																	50		
214																	45		
				0		0		0		1					0		50		
216		215,50-215,80: Tot clay alt.															60	79	76
																	15		
218																	20		
																	25		
220				0		0		2		1		44017	F	2	30, 60		70		
	220,90-222, RP	Black rhomb porph, cm sized fld.															50	69	56
222		220,75-220,90: Core loss															25		
		222,35: E O H										44018	F	2	30, 90		2500		
224																			
226																			

Table 3. Drill hole logging sheets, DH 3, Ramnes, 2007.

Drill hole Dh 3		Location Ilestadvannet	Length 208,75m							Azimuth 80°			Dip 45°							
X UTM 565230		Y UTM 6582480	UTM Zone 32							masl 95			Date 2007							
m	Lithology	Remarks	Alteration										sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite			Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
0		0-3,45: Cover																		
2																				
	3,45-10,15 TR	Trachyte flow, deep red, rel bio rich, fld porph																15		
4				0		0		0		0					0			20		
																		18		
6																		17		
																		18		
8																		10		
				0		0		0		0					0			50	79	75
10	10,15-17,40 IF	Intermediate flow, heterogeneous,																40		
		w small fld porph.																15		
12																		10		
																		12		
14				0		0		0		0					0			15	79	70
																		20		
16																		17		
	17,40-38,70 LT	Rhyo lapilli tuff, light grey																35		
18		Minor intercalations of aci tuff (AT)																15		
				0		0		0		0					0			10	89	79
20																		12		
																		15		
22																		20		
																		15		
24				0		0		0		1					0			15	95	92
																		20		
26																		20		
																		10		
28																		5		
				0		0		0		3					0			5	91	85
30																		5		
																		10		
32																		15		
		33,50-36,90: Larger clasts																12		
34				0		0		0		3					0			1	89	83
		36,90-38,70: Finely laminated, no clasts																2		
36																		3		
																		3		
38	38,70-41,00 MF	Mafic flow. Finegr to aphanitic,																3		
		w spherulites, weakly porphyritic		1		0		1		1					0			3300	72	68
40																		5000		
	41,00-51,30 TR	Medgr, red trachytic flow, fld porphyric																15		
42																		12		
																		7		
44				0		0		0		1					0			7	83	70
																		10		
46																		10		
																		12		
48																		12		
		49,85: 1cm wide Mo vein		0		0		0		1			44075	F	1	60		10	61	44
50																		40		
	51,30-52,30 MF	Mafic flow, finegr, w spherulites																50		
52	52,30-64,20 LT	Light grey, alt. Upper meter is well banded.																5000		
		Py-diss, not -veins. Subord fluorite.																1		
54				1		1		1		1			44076	D	0			1	77	70
																		1		
56																		1		
																		1		
58																		1		
				1		1		1		1			44077	D	0			1	86	75
60																		1		
																		1		
62																		1		
																		1		
64	64,20-77,90 TU	White to light grey, massive to weak banding.		1		1		1		1			44079	D	0			1	96	93
		Rich py-diss w minor Mo bound to py aggr.																1		
66		Gradational transition from overlying LT																1		
																		1		
68																		1		
				0		0		0		3			44080	D	0			1	89	85
70																		1		
																		1		
72																		1		
																		1		
74				0		0		0		3			44081	D	0			1	80	78

Table 3. Drill hole logging sheets, DH 3, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int	Type	No	direc	minerals			
76																	1		
		77,80: 1cm wide Mo-py-ser vein, 0° to CA (photo)															1		
78	77,90-80,60 MF																1		
		80,70-80,83: Brecciated Mo-fluorite(-calcite) rich vein;															2000		
80		along upper contact: 8cm wide calcite(-fluorite) rich zon		0		0		0		2		44082	D,V,I	4	90, 0, 30		1600	86	82
	80,60-84,50 TU	Same acid tuff as 64,20-77,90															30		
82																	1		
																	1		
84																	1		
	84,50-98,50 LT	Light red, banded, w Mo-py-diss,		1		1		1		1		44083	V,D,I	4	60, 90		1	74	67
86		, -patches and hair-veinlets (photo)															1		
																	1		
88																	1		
																	1		
90				1		1		1		1		44084/85	D		0		1	63	44
																	1		
92																	1		
		92,25-93,00: Frz															1		
94																	1		
				1		1		1		1		44086	D		0		1	50	41
96																	1		
		98,75-99,15: Frz															1		
98		98,75-99,05: Core loss															1		
	98,50-105,2 PB	Light to dark red, angular fragm up to 15-20cm size,															1		
100		generally ± 1cm, polylith, dom by		1		0		1		1		44088			0		2	54	50
		red, flowbanded rhyol fragm.															12		
102		98,50-98,70: Red oxidised, clay alt zone.															15		
																	5		
104																	3		
				0		0		0		2		44074			0		7	88	78
106	105,20-106, DI	With light grey cont zones.															5300		
	106,50-146, PB	Same as 98,50-105,20															3		
108																	5		
																	5		
110				0		0		0		2		44073			0		10	63	56
																	12		
112																	10		
																	15		
114																	15		
		114,70: 5mm wide Mo vein. Diffuse boundaries,		0		0		0		1		44072	F	1	30		25	98	94
116		spread out from fract. (photo)															10		
																	15		
118																	10		
																	10		
120				0		0		0		1					0		5	96	90
																	3		
122																	8		
																	8		
124																	10		
				0		0		0		0					0		12	89	84
126																	10		
																	10		
128																	8		
																	12		
130				0		0		1		0					0		10	98	91
																	8		
132																	10		
																	8		
134																	7		
				0		0		1		0					0		7	99	96
136																	5		
																	8		
138																	5		
																	5		
140				0		0		1		0					0		5	95	88
																	10		
142																	8		
																	10		
144																	12		
				0		0		0		0					0		20	66	53
146		146,10-146,50: Core loss															18		
	146,55-157, TR	Dark red, w mainly qtz spherulites.															12		
148		Weak trachytic and eutaxitic text.															15		
																	18		
150				0		0		0		0			F	1	90		15	53	45
																	18		

Table 3. Drill hole logging sheets, DH 3, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite				MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Bleach Int	Type	No	direc	minerals			
152																	13		
																	13		
154																	13		
				0		0		0		0				0			12	88	87
156																	12		
																	5		
158	157,10-162,' TU	Mixed tuff, in places w lapilli and spherulites. Grey to light red.															5		
																	6		
160				0		0		0		1				0			5	87	85
																	6		
162																	5		
	162,80-166,' RH	Red/white flow-banded															5		
164																	8		
				1		0		1		1				0			10	96	91
166																	12		
	166,40-172,' TR	Trach flow, dark redbrown, w thin trach lap tuff sect.															5		
168																	10		
																	12		
170				0		0		0		0				0			8	91	86
																	10		
172																	10		
	172,90-199,' TU	Same as 157,10-162,80															10		
174																	10		
				0		0		0		0				0			10	97	93
176																	8		
																	8		
178																	7		
																	6		
180				0		0		0		0				0			5	91	82
																	5		
182																	5		
																	7		
184																	7		
				0		0		0		1				0			5	96	91
186																	5		
																	4		
188																	5		
																	5		
190				1		1		0		1			44071	F	1	60	1	99	95
																	1		
192																	2		
																	2		
194																	3		
				1		1		0		1				F	1	30	2	100	98
196																	5		
																	5		
198																	7		
																	5		
200	199,90-203,' RH	Red, flowbanded.		0		0		0		0				0			10	96	96
		Incl 40cm sect of light grey RH w															6		
202		network of hairthin py(-Mo) veinlets (photo)															5		
																	10		
204	203,30-208,' LT	Red. Weak Mo-diss bound to qtz blebs.															10		
				0		0		0		1				F	10	0, 30, 60, 90	8	84	72
206																	10		
																	10		
208																	20		
		208,75: E O H		0		0		0		1			44070		0		18		
210																			
212																			
214																			
216																			
218																			
220																			
222																			
224																			
226																			

Table 4. Drill hole logging sheets, DH 5, Ramnes, 2007.

Drill hole Dh 5	Location Kjønnerød	Length 423,00m	Azimuth	Dip 45°																		
X UTM 566565	Y UTM 6583192	UTM Zone 32	masl 116	Date 200																		
m	Lithology	Remarks	Alteration										sample #	Mineralisation					SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleac			MoS2			Other				
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minera				
0		0-7,60: Cover																			
2																					
4																					
6																					
8	7,60-40,20 IG	Pink rhyolitic ignimbrite, weak banding,																			
10		eutaxitic, few fragm.																			
		Few thin fluorite veins.												F	1	60					
12		8,70-9,80: Core loss																10			
																		15			
14																		18			
				0		0		0		1					0			17			
16																		22	63	58	
																		15			
18																		15			
																		13			
20				0		0		0		1					0			12			
																		13	58	47	
22																		30			
																		17			
24																		25			
				0		0		0		1					0			35			
26																		15	43	26	
																		18			
28																		15			
																		10			
30				0		0		0		2					0			10			
																		8	70	53	
32																		15			
																		10			
34																		8			
				0		0		0		2					0			8			
36																		15	58	47	
																		12			
38																		8			
																		5			
40				0		0		0		2					0			5			
	40,20-48,0(LT	Greyish to greenish																15	63	52	
42		Some of the clasts are finegr ser-Mo-py (photo)																1			
																		3			
44		43,70: 1cm wide Mo-py-ser vein (photo)																2			
				1		0		1		2			44103	V,D	2	90		2			
46																		2	74	56	
																		1			
48																		1			
	48,00-62,8(IG	Same as 7,60-40,20, more fragm.																5			
50		W a few clasts of finegr ser-Mo-py.		1		0		1		2			44104	D	0			3	62	47	
																		3			
52																		2			
																		2			
54		53,60-53,80: Fingr Mo in mm-thin ser bands																2			
		parallel to banding.		0		0		0		2			44105	D	0			1	72	65	
56		From 56: Epidotized																2			
																		2			
58																		5			
																		5			
60				0		0		0		2			44106		0			5	82	76	
																		10			
62	62,80-65,0(IG	Grey ignimbrite																13			
64																		10			
																		550			
66	65,00-122,(RH	Grey spherulitic rhyolite, in places w		1		0		1		1			44107/08	D	0			250	65	56	
		banding and silica nodules. Low fluorite cont.																200			
68		Mo-diss often enriched in bands																90			
		parallel to flowbanding (variable, average ≈45° to CA)																80			
70		Upper cont 70° to CA. Lower: tect zone,		1		1		0		1			44109	D	0			90			
		but 60° to CA a few m above.																350	97	95	
72																		190			
																		60			
74																		90			
				1		1		0		1			44110	D	0			80			
																		180	97	94	

Table 4. Drill hole logging sheets, DH 5, Ramnes, 2007.

m	Lithology	Remarks	Alteration										sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite			Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	mineral			
76		75-82: Py-Mo-rich section w brecc and large silica nodules (photo)																100		
																		10		
78																		5		
																		5		
80				2		1		0		3			44111	D		0		1	99	96
																		40		
82																		5		
																		10		
84																		8		
				2		1		0		1			44112	D		0		10	96	91
86																		3		
																		7		
88																		5		
				2		1		0		2			44113	D		0		5	88	77
90																		3		
																		5		
92																		5		
																		3		
94				2		1		0		2			44114	D		0		3		
		95,50: Photo of py-Mo-diss band																2	87	76
96																		1		
																		3		
98																		3		
				1		1		0		1			44115	D		0		1		
100																		1	96	71
																		1		
102																		1		
																		1		
104				1		1		0		1			44116	D		0		1		
																		1	95	81
106																		1		
																		1		
108																		1		
				2		1		0		2			44117/18	D		0		1	97	94
110																		1		
																		1		
112		112,80-112,95: Core loss																1		
																		1		
114				2		1		0		1			44119	D		0		1	94	76
116																		1		
																		1		
118																		1		
				2		1		0		1			44120	D		0		1	93	86
120																		1		
																		1		
122	122,00-134 LT	122,00-124,90: Tectonic zone w clay.																1		
				2		1		2		1			44121	D		0		1	60	38
126																		1		
																		1		
128																		1		
				1		0		1		1			44122			0		1	69	58
130																		1		
		130,90-132,15: Frz																1		
132		131,00-131,40: Core loss																1		
		131,75-132,15: Core loss																1		
134	134,90-155 AG	Agglomerate. Redbrown rhyolitic		1		0		1		2			44123			0		1	50	42
		groundmass w light green clay-ser bombs																1		
136		up to 5-10cm size. Subord fluorite.																1		
																		1		
138																		3		
				1		0		2		2			44124	D		0		5	89	85
140																		4		
																		5		
142																		5		
																		4		
144				1		0		2		2			44125	D		0		10	97	90
																		5		
146																		5		
																		5		
148																		10		
				1		0		2		2			44126	D		0		15	84	64
150																		10		

Table 4. Drill hole logging sheets, DH 5, Ramnes, 2007.

m	Lithology	Remarks	Alteration										sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite			Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	mineral			
152																		7		
																		2		
154																		1		
				1		0		2		2			44127/28	D	0			15	97	86
156	155,40-160 IG																	1		
																		1		
158																		1		
																		1		
160				2		0		0		1			44129	V,D	2	60		1	81	70
	160,00-167 RH																	1		
162																		1		
																		1		
164																		1		
		164,95-166,05: Core loss		1		1		0		1			44130	D,F	3	60		1	64	35
166																		1		
																		1		
168	167,65-177 VS	Light grey to rustcoloured volcanogenic,																1		
		quartzo-feldsphatic sed w some carb,																1		
170		partly banded.		1		1		0		1			44131	D	0			1	41	15
																		1		
172																		1		
																		1		
174																		1		
				1		0		0		1			44132	D,F	3	30, 0		1	70	52
176																		1		
																		1		
178	177,80-210 LT	Light grey lapilli tuff w rhyolite sections																1		
		177,80-180,50: Autobreccia																1		
180		178,25-179,00: Tect zone w clay		1		0		0		1			44133	D	0			1	72	44
																		1		
182																		1		
																		1		
184																		1		
				1		0		0		1			44134	D	0			3	90	86
186																		1		
																		1		
188																		1		
																		1		
190		189,20-191,10: Core loss		1		0		0		2			44135	D	0			1	71	49
																		1		
192																		1		
																		1		
194																		1		
				1		0		1		1			44136	D,F	2	30		1	68	66
196																		1		
																		1		
198																		1		
																		1		
200				1		0		1		1			44137		0			1	89	84
																		1		
202																		1		
		202,10: 5cm wide Mo-py-ser vein,																1		
204		w 4 more, 2-3cm wide, in the vicinity.																1		
				1		0		1		1			44138	V,F,D	8	30, 60		1	72	56
206																		1		
																		1		
208																		1		
																		1		
210				1		0		1		1			44139	F,D	1	60		1	98	83
	210,50-221 RH	Light grey rhyolite w minor epidote																1		
212		Subord dark min (bio and chlorite)																1		
		Subord fluorite in veins and diss.																1		
214																		1		
				2		1		0		1			44140	D,F	5	60, 30, 90		1	90	77
216																		1		
																		1		
218																		1		
																		1		
220		219,80-220,10: Tect zone w clay		1		0		1		2			44141	V,D,F	5	60, 90		1	82	66
																		1		
222	221,80-247 TR	Trach flow. Var col: from fresh redbrown,																1		
		through green (clay-ep alt w rich py (py-barren																3		
224		in unalt)), to grey (ser alt).																30		
		2cm clay zone along lower cont.		1		0		1		3			44142	D,F	2	60		300	88	83
226																		250		
																		200		

Table 4. Drill hole logging sheets, DH 5, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleac		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minera			
228																	5		
																	8		
		229,20-229,60: Tect zone w clay		1		0		2		2					0			15	79	67
230		230,85-231,05: Core loss																50		
																		45		
232																		50		
																		25		
234				1		0		1		1			44226	V	2	60		1	87	72
																		5		
236		235,05: Photo of openspace vein (90° to CA)																25		
		w coarse py and fluorite.																30		
238																		10		
				1		0		1		1				F	1	60		30	91	79
240																		3		
																		35		
242																		20		
																		45		
244				1		0		1		1			44143	F	2	60, 90		40	97	84
																		40		
246																		60		
		246,80-254,00: Frz																1		
248	247,40-270 LT	Light grey to light pink rhyolitic lap tuff.																1		
		Few clasts in the upper part, banded.																1		
		Some openspace qtz-fluorite-py veins.		1		0		1		2					0			1	43	32
250		247,65-248,80: Core loss																1		
		249,40-249,60: Core loss																1		
252		252,45-253,65: Core loss																1		
																		1		
254				1		0		1		2					0			1	41	29
																		1		
256																		1		
																		1		
258																		1		
				1		0		1		2					0			1	98	91
260																		1		
																		1		
262																		1		
																		1		
264				1		0		1		2				F	2	30, 60		1	98	84
																		1		
266																		1		
																		1		
268																		1		
				1		0		1		2			44145		0			1	96	89
270	270,90-295 RH	Grey rhyolite, banded (≈60° to CA).																1		
		Upper cont 50° to CA.																1		
272		272,35: Photo of py vein and Mo-py-diss bands.																1		
																		1		
274				2		1		0		2			44146	D	0			1	100	95
																		1		
276																		1		
																		1		
278																		1		
				2		1		0		2			44147	D,F	4	30, 60		1	80	62
280																		1		
																		1		
282																		1		
																		1		
284				2		1		0		1			44148	D	0			1	98	84
																		1		
286																		1		
																		1		
288																		1		
				2		1		0		1			44149	D	0			1	90	81
290																		1		
																		1		
292																		1		
																		1		
294				2		1		0		1			44150/51	F,D	2	30		1	91	77
	295,20-309 RD	Light redbrown ring-dyke syenite w																5		
296		up to 1cm sized fld phenocrysts.																10		
		Light grey sericite zones w py seams.																5		
298		296,30-298,75: Frz																3		
				2		0		1		1			44152		0			15	45	30
300																		15		
																		18		
302																		43		

Table 4. Drill hole logging sheets, DH 5, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleac		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minera			
304																	25		
				2		0		1		1				F	1	30		15	83	72
306		305,00-305,75: Frz																15		
																		10		
308																		12		
		309,60-310,20: Frz																12		
310	309,10-310 TR	Dark red, finegr trachyte		1		0		1		1					0			35	77	66
	310,90-314 TT	Dark redbrown w clasts ≤ 2-3cm size																15		
312																		25		
																		25		
314																		25		
	314,40-326 RH	Light grey w few-mm sized qtz-		0		0		0		1					0			3	86	67
316		eyes and -laths.																1		
		Sharp upper cont 45° to CA.																1		
318		Subord fluorite in veins and diss.																1		
																		1		
320				2		0		0		2			44154	D,F	1	60		1	100	97
																		1		
322																		1		
																		1		
324																		1		
				2		0		0		1			44155	F,D	2	60		1	99	98
326	326,90-390 IF	Heterogenous unit, finegr. Var from redbrown to																1		
		greygreen and grey, to almost black.																1		
328		W irreg areas of lightred Kfld(and qtz) and areas																5		
		which is epidote-clay alt.																3		
330		Occasional fld phenocrysts (rhombs), up to 2-3cm size,		2		0		1		2			44156		0			1	96	89
		and small spherulites.																3		
332		Scarce ser-clay alt veins enriched in py (and fluorite+traces of Mo),																20		
		generally as py-seams enveloped in few-cm wide ser alt.																20		
334																		50		
				1		0		1		1			44157		0			30	97	84
336																		35		
																		1		
338																		40		
																		40		
340				1		0		1		1			44158		0			20	98	94
																		25		
342																		30		
																		25		
344																		30		
				0		0		0		1			44159		0			15	100	96
346																		33		
																		40		
348																		40		
																		15		
350				1		0		1		1			44160	F	1	30		60	100	90
																		55		
352																		60		
																		40		
354																		40		
				1		0		1		1			44161/62	V,F	4	30, 60		30	98	93
356		355,00: 4cm wide breccia vein w ser-clay fragm																10		
		and Mo in matrix (photo)																90		
358																		400		
																		2000		
360				1		0		1		1			44163	V,F	2	0, 30		80	97	91
																		7		
362																		7		
																		3		
364																		20		
				1		0		1		2			44164	F	2	30		20	100	98
366																		30		
																		23		
368																		15		
																		100		
370				0		0		0		1			44166	F	3	60, 30		2500	96	85
																		1		
372		371,25: 2cm wide ser vein w py and Mo (photo)																1		
																		1		
374																		1		
				2		0		1		2			44167	F,V	5	60		5	93	71
376																		5		
																		1		
378																		5		
																		25		

Table 4. Drill hole logging sheets, DH 5, Ramnes, 2007.

m	Lithology	Remarks	Alteration										sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite			Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	mineral			
				2		0		1		2			44169	F	2	30, 60		35	98	80
380																		70		
																		80		
382																		3		
																		7		
384				1		0		1		1			44170	F	3	60, 30, 90		10	92	71
																		350		
386																		250		
																		60		
388																		5		
				1		0		1		1				F	2	30, 60		5	98	90
390	390,20-393 LT	Lower 0,5m is finegr and red																5		
																		5		
392																		22		
	393,00-423 IF	More mafic than 326,90-390,20.																1000		
394		Dark greygreen to redish. W zoned spherulites		1		0		1		1					0			350	95	86
		of ep, fld, qtz and dark min, and a																500		
396		few fragments.																5000		
		Scarce mm-1cm wide ser veins w																100		
398		mm-wide py veins.																4000		
				0		0		0		0					0			8000	99	98
400																		8500		
																		8000		
402																		8000		
																		7000		
404				0		0		0		1					0			7000	98	90
																		7500		
406																		8500		
																		8500		
408																		8000		
				0		0		0		1					0			6500	99	94
410																		350		
																		30		
412																		4500		
																		8000		
414				0		0		0		1					0			7000	99	89
																		6000		
416																		####		
																		7000		
418																		45		
				0		0		0		1					0			80	96	92
420																		300		
																		100		
422																		8500		
		423,00: E O H																		
424																				
426																				
428																				
430																				
432																				
434																				
436																				
438																				
440																				
442																				
444																				
446																				
448																				
450																				
452																				
454																				

Table 5. Drill hole logging sheet, DH 6, Ramnes, 2007.

Drill hole Dh 6		Location Kjønnerød	Length 281,80m									Azimuth 0°	Dip 45°							
X UTM 567009		Y UTM 6583125	UTM Zone 32									masl 113	Date 200							
			Alteration											Mineralisation						
m	Lithology	Remarks	Sericitic		Silicic		Clay		Pyrite			Bleach	sample #	MoS2			Other	SUSC	SCR	RQD
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
0		0-11,70: Cover																		
2																				
4																				
6																				
8																				
10																				
	11,70-15,0 RH	Beige to light red																		
12																		8		
		13,50-16,10: Frz																4		
14		14,85-15,25: Core loss		0		0		0		1			44171	D,F	1	0		30		
	15,00-16,0 IG	Light red																20		
16	16,05-17,5 RH																	5		
	17,55-18,9 IG	17,20-23,00: Frz																20		
18	18,90-19,3 RH																	20		
	19,30-25,7 IG			0		0		0		1			44172	F,D	4	31		15	51	36
20																		17		
																		10		
22																		15		
																		15		
24				1		0		1		1			44173/74	F	4	60, 30		5	60	37
	25,70-33,6 RH																	15		
26																		1		
																		1		
28		28,50-39,50: Irreg calcite veins, ≤4cm thick, occ w Mo assoc, as:																1		
				1		0		1		2			44175	D,F	3	31		1	80	71
30																		1		
																		1		
32																		1		
	33,60-35,9 IG																	1		
34		34,45-35,25: Calcite vein, 0° to CA, w 2-3cm		0		0		1		1			44176	D,F	7	0, 30, 60		60	83	62
	35,90-36,9 RH	wide Mo-diss along cont. Photo 34,50.																4		
36	36,95-39,5 IG																	10		
	39,50-42,5 TU	Light green tuff, finegr, clay alt																10		
38		w spots and laths of epidote (<1mm)																7		
				1		0		1		1			44177	D,F	7	0, 30, 60		10	82	58
40		41,95-46,50: Frz																60		
		42,30-42,40: Core loss																120		
42	42,50-59,5 IG	Redbrown																130		
																		1		
44				1		0		2		0			44178	D,F	7	0, 30		1	43	34
																		1		
46																		5		
		47,00: Open space qtz vein																2		
48																		2		
				0		0		0		1			44179	F	2	30		5	49	34
50																		5		
		51,70-59,50: Frz																7		
52																		2		
																		12		
54		54,75-55,20: Core loss		0		0		0		0			44180	F	1	30		20	34	24
																		25		
56		56,20-58,10: Core loss																		
58																		20		
	59,50-70,4 TR	Trachytic flow, dark grey to redish, w white fld porph		0		0		0		0			44181		0			30	31	23
60		(few-mm size, eu-(laths) to anhedr.)																35		
		Subord fluorite as diss.																30		
62																		35		
																		30		
64				0		0		0		0			44182		0			40	91	82
																		35		
66																		35		
																		30		
68																		38		
				0		0		0		0					0			30	82	69
70	70,40-72,5 TT	Trachytic, dark red.																60		
		71,75-71,95: Core loss. 71,50-72,70: Frz																50		
72	72,50-97,0 TR	Same as 59,50-70,40.																20		
																		25		
74				0		0		0		0					0			30	77	63

Table 5. Drill hole logging sheet, DH 6, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite				MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
76																	25		
																	25		
78																	20		
																	25		
80				0		0		0		0					0		27	92	84
																	20		
82		81,95-82,25: Frz															27		
																	23		
84																	27		
		85-95: Subord fluorite veining.		0		0		0		0					0		30	78	65
86																	25		
																	28		
88																	30		
																	30		
90				0		0		0		0					0		27	98	78
																	27		
92																	27		
																	25		
94																	30		
				0		0		0		0					0		28	97	76
96																	20		
																	20		
98	97,00-103,' RH	Light red															28		
																	20		
100				0		0		0		1					0		25	99	90
																	25		
102																	20		
																	5		
104	103,90-106 RH	Rhyolite breccia. Dark red w green ser-clay alt															10		
		areas and fragm. Lower section minor		1		0		1		1			44183	D,F	1	60	5	97	87
106		flow banded and cont spherulites.															5		
		104,80-105,30: Zone of weakness w clay.															2		
108																	3		
																	2		
110	109,90-16 RH	Light beige to light grey, spherulites, flow banded (var		2		1		2		2			44184	D,F	3	60, 30	150	96	76
		from 90 to 0°). From 130m: banding generally 70-90°															2		
112		to CA. In places epidote-rich bands (down to 135m)															3		
		Py and Mo partly enriched in bands															2		
114		(≤1mm) parallel to banding.															3		
				1		0		1		1			44185	D	0		3	100	95
116																	1		
																	1		
118																	1		
																	1		
120				2		1		0		1			44186	D,F	5	30, 60	1	97	87
																	1		
122																	1		
																	1		
124																	1		
				1		0		0		1			44187	D,F	3	30, 60	1	93	68
126																	1		
																	1		
128																	1		
																	1		
130		129,40-130,10: Frz		1		0		0		1			44189	D,F	4	30, 60	1	79	63
																	1		
132		131,00-131,30: Core loss															1		
																	1		
134																	1		
				2		1		0		1			44190	D;F	5	30, 60	1	85	60
136																	1		
																	1		
138		137,35-138,70: Frz															1		
																	1		
140				2		1		0		1			44191	D	0		1	59	48
																	1		
142																	1		
																	1		
144																	1		
				2		1		0		2			44192	D	0		1	74	47
146																	1		
																	1		
148																	1		
																	1		
150				2		1		0		2			44193	D,F	4	90, 30, 60	1	86	59
																	1		

Table 5. Drill hole logging sheet, DH 6, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int	Type	No	direc	minerals			
152																	1		
																	1		
154																	1		
				2		1		0		1		44194/95	D,F	4	30, 60		1	79	33
156																	1		
																	3500		
158																	1		
																	1		
160				2		1		0		1		44196	D,F	4	30		1	78	44
																	1		
162																	1		
																	5		
164	163,70-167 LT	Dark red, clay alt clasts.															30		
		Sharp, but irreg upper cont (≈90° to CA)		1		0		0		1		44198	D,F	3	0, 30		40	92	76
166																	20		
																	35		
168	167,70-185 TR	Trachytic flow, same as 59,50-70,40, but															20		
		heterogeneous in the upper 6m (greygreen															25		
170		to beige) - below: redbrown.		0		0		1		1		44199	F	2	30, 90		80	95	80
		Spherulites of fld and/or fluorite.															100		
172		Fld porph (eu- to anhedr), also as laths partly															40		
		oriented along flow dir.															25		
174																	300		
				0		0		0		0		44200	D,F	2	30, 60		350	97	89
176																	350		
																	40		
178																	35		
																	30		
180		179,25-179,80: Frz		0		0		0		0		44201		0			40	86	72
																	50		
182																	40		
																	60		
184																	40		
				0		0		0		0		44202		0			25	100	97
186	185,95-189 LT	Light cream col.															25		
																	10		
188																	5		
																	5		
190	189,05-192 RH	Light grey. Sharp but irreg		0		0		0		1		44203	D	0			1	96	92
		upper cont (80° to CA)															1		
192																	1		
	192,60-215 IG	Upper part grey and alt. 205-212:															1		
194		beige. 212-215,85: grey and alt.															1		
		Cont some darker grey fragm.		2		1		0		2		44204	D,F	5	60, 30		1	96	90
196		Banding 70-80° to CA.															1		
																	1		
198																	1		
																	1		
200				2		1		0		1		44205/06	D,F	4	60, 30		1	100	93
																	1		
202																	1		
																	1		
204		204,90: Reactivated (brecc+clayalt) calcite-fluorite-		2		1		0		1		44207	D	0			1	94	88
206		py vein (20° to CA) Photo															1		
		206,70-206,80: Frz															1		
208																	1		
																	1		
210		209,75-209,85: Frz		0		0		0		2		44208	F	2	30		1	89	72
																	1		
212																	1		
		212,60-213,40: Frz															1		
214																	1		
				2		1		0		2		44210	F	2	60, 30		1	77	67
216	215,85-233 RH	Light grey, alt.															1		
		Magmatic banding at 70-80° to CA.															1		
218																	1		
																	1		
220				2		1		0		1		44211	F, D	5	30, 60, 90		1	94	76
																	1		
222																	1		
		222,15: 3 openspace qtz veins (30° to CA),															1		
224		up to 1cm thick, w Mo-diss in wallrock. Photo															1		
				1		0		0		1		44213	F,D	2	30, 60		1	95	78
226																	1		
																	1		

Table 5. Drill hole logging sheet, DH 6, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int							
228																	1		
																	1		
230				1		0		0		1			44214	D,F	2	0, 30	1	81	67
																	1		
232		232,80-232,95: Frz															1		
		233,40-236,05: Frz															1		
234	233,50-240 RD	Redbrown. Fld porph (weak clay alt															3		
		and epidotized phenocrysts)		1		0		0		2			44215	D,F	1	30	20	65	58
236		235,00-235,30: Core loss															20		
																	25		
238																	25		
																	25		
240		240,00-241,00: Frz		0		0		1		0					0		25	55	38
	240,50-246 TT	Trachytic. Dark redbrown to var col.															10		
242																	22		
																	30		
244																	35		
		245,50-247,00: up to 3cm thick opensp qtz(-fluorite-calcite-		1		0		1		1				F	1	60	30	51	36
246		py) vein w Mo along cont. 246,00: Photo															20		
	246,20-251 RD	Same as 233,50-240,50															10		
248		250,80-254,00: >4cm thick qtz vein, opensp, brecc, Mo-laminae,															20		
		ribbon-type fluorite, calcite and epidote in wallrock,															15		
250		cut by younger, barren, 5mm thick qtz veins (photo 251,45)		0		2		1		0			44216	F	5	0, 60	5	99	88
																	10		
252	251,00-254 RH	Red. Ab qtz veining and brecc w qtz matrix (photo 253,00)															1		
																	5		
254		254,40-254,70: Frz															10		
	254,50-260 TT	Dark red, clay alt clasts.		0		2		1		1			44217/18	F	15	0	5	84	71
256																	7		
																	15		
258																	10		
																	15		
260				0		0		0		0					0		10	83	61
	260,50-265 LT	Pink															15		
262																	1		
																	1		
264		264,30: Parallel Mo-diss bands, 2-3mm thick,															1		
		w ser alt, 60° to CA. Photo		2		1		0		1			44219	D,F	10	60	1	97	88
266	265,40-273 RH																1		
																	1		
268																	1		
																	1		
270				1		0		0		2			44220	F	3	60	1	97	92
																	1		
272																	1		
																	5		
274	273,05-281 TR	Trach flow, heterog, dark redbrown to greygreen															2		
				1		0		1		2			44221	F,D	8	60, 30	2	97	90
276																	3		
																	40		
278																	30		
																	20		
280				1		0		0		1				F	2	31	5	98	86
																	35		
282		281,80: E O H											44222				15		
284																			
286																			
288																			
290																			
292																			
294																			
296																			
298																			
300																			
302																			

Table 6. Drill hole logging sheet, DH 8, Ramnes, 2007.

Drill hole Dh 8		Location Ilestadvannet	Length 276,00m								70°	45°							
X UTM 565347		Y UTM 6582397	UTM Zone 32								masl 63	Date 200							
m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Int		Type	No	direc	minerals			
0		0-1,90: Cover																	
2	1,90-8,50 IF	Lower 0,5m is clastic, w fragm of ser-Mo-py																	
		and redbrown groundm without Mo (photo)															10		
4																	8		
		4,90-6,50: Frz		1		0		0		1		44089	V,D	1	60		20		
6																	2800		
																	4000		
8		7,80-8,00: Frz															80		
	8,50-25,20 TU	Light greybrown silty tuff.															15		
10		In places network of hairthin ser-py-fluorite-qtz		1		0		0		1		44090	F,D	1	90		25	55	45
		veins, and tect breccia veins.															20		
12																	20		
																	20		
14																	18		
				1		0		0		1		44091		0			17	94	77
16																	15		
																	20		
18																	15		
																	10		
20				1		0		0		1				0			20	75	60
																	22		
22																	18		
																	20		
24																	15		
				0		0		0		1				0			25	91	80
26	25,20-26,45 DI	Sharp contacts 70° to CA.															4500		
	26,45-29,40 TU	Same as 8,50-25,20															30		
28																	20		
																	20		
30	29,40-37,10 TR	Trachytic flow		0		0		0		1				0			20	80	70
																	15		
32																	20		
																	20		
34																	15		
				0		0		0		1				0			18	91	87
36																	15		
																	20		
38	37,10-39,00 TU	Same as 8,50-25,20															18		
																	15		
40	39,00-52,65 TU	Banded white tuff, intruded by py-rich, red		0		0		0		1			F	1	60		15	88	86
		rhyolite veins w fragm of the banded tuff.															15		
42																	3		
																	4		
44																	4		
				0		0		1		2				0			5	93	89
46																	5		
																	7		
48																	7		
																	5		
50				0		0		1		2			F	1	30		8	92	88
																	8		
52		52,05-52,65: Autobreccia (photo).															5		
	52,65-87,90 RH	Flowbanded (60-70° to CA) rhyolite.															3		
54		Banding is alt pink fld and qtz.															7		
		Typical w ≤ 1cm sized silica nodules:		0		0		1		1				0			6	92	82
56		often epidote-fluorite(-py) core w concentric growth															5		
		of silica rim															5		
58		From 67m: more fld, less silica in the nodules,															5		
		which also incr in size, up to 3-4cm, and															5		
60		are affected by ser-clay alt.		0		0		1		1				0			6	87	70
		The RH becomes more red in the lower part.															4		
62																	8		
																	7		
64																	5		
				0		0		1		1				0			5	98	89
66																	5		
																	4		
68																	3		
																	5		
70				0		0		1		1				0			4	98	95
																	5		
72																	5		
																	5		
74																	5		
				0		0		1		1		44092		0			5	82	73

Table 6. Drill hole logging sheet, DH 8, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
76																	5		
																	5		
78		75-78: Mo-diss as hairthin rims around nodules (photo)															5		
																	5		
80				0		0		1		1			44093	D,F	6	60, 30		5	96	94
																		5		
82																		5		
																		5		
84																		6		
				0		0		1		0			44094			0		6	98	80
86																		6		
																		10		
88	87,90-91,10 DI	Fld porph, cuts RH disc.																10		
																		2500		
90				0		0		1		0				F	1	60		6000	94	85
																		4000		
92	91,10-93,55 RH	Same as 52,65-87,90. Red																5		
																		5		
94	93,55-96,50 DI																	6		
				0		0		0		0						0		6600	97	89
																		6000		
96	96,50-236,10 RH	Transitional development downwards to the																4500		
		characteristic red/white flowbanded (w flow folds) RH,																10		
98		where the mm-scale banding is made up of																5		
		red silica-rich droplets alt w white fld.		1		1		0		1			44095/96	F,D	6	60		1	94	88
100		Also decr in amount of nodules.																1		
																		1		
102																		1		
																		1		
104				0		0		1		1			44097	D		0		1	99	94
																		1		
106																		1		
																		1		
108																		2		
				0		0		1		1						0		2	99	91
110		110-117: Some tect breccia veins w matrix																2		
		of rock powder and fluorite.																2		
112																		2		
																		2		
114				0		0		1		1						0		1	98	97
																		1		
116																		1		
																		1		
118																		1		
				0		0		1		1				F	1	60		1	98	94
120		From 120m generally darker (grey-purple)																2		
																		2		
122																		2		
																		5		
124				0		0		0		0						0		3	99	92
																		3		
126																		3		
																		3		
128																		3		
				0		0		0		0						0		3	100	97
130																		3		
																		3		
132																		3		
																		5		
134				0		0		0		0						0		2	100	100
																		2		
136																		2		
																		2		
138																		2		
				0		0		0		0						0		1	100	95
140																		1		
																		1		
142																		1		
																		1		
144				0		0		0		0				D	0			1	100	94
																		2		
146																		2		
																		2		
148																		2		
				0		0		0		0			44098	D,F	1	60		2	97	90
150		150,00: Mo bound to a few spherulites/nodules																3		

Table 6. Drill hole logging sheet, DH 8, Ramnes, 2007.

m	Lithology	Remarks	Alteration									sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite		Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Int		Type	No	direc	minerals			
152		together w qtz, epidote and sericite (photo)															3		
																	3		
154																	3		
				0		0		0		0		44100	F	1	60		3	98	94
156																	3		
																	3		
158																	4		
																	4		
160				0		0		0		0				0			4	97	87
																	4		
162																	4		
																	4		
164																	4		
				0		0		0		0				0			4	99	95
166																	4		
																	5		
168																	5		
																	5		
170				0		0		0		0				0			5	100	95
		The above mentioned red/white banded															5		
172		RH is well developed from 170m.															4		
		Some fluorite(-fld-ep-qtz-carb-py)-filled vesicles (photo)															4		
174																	4		
				0		0		0		0				0			4	98	96
176																	4		
																	4		
178																	5		
																	5		
180				0		0		0		0				0			4	98	93
		From 180m: Var flowbanding often															4		
182		parallel to CA.															4		
																	4		
184																	4		
				0		0		0		0				0			5	98	88
186																	5		
																	4		
188																	4		
																	4		
190				0		0		0		1				0			4	98	89
																	4		
192																	4		
																	5		
194																	5		
				0		0		0		1				0			5	100	96
196																	4		
																	4		
198																	4		
																	4		
200				0		0		0		1				0			4	98	97
																	5		
202																	5		
																	5		
204																	5		
				0		0		0		1				0			5	98	83
206																	5		
																	5		
208																	5		
																	5		
210				0		0		0		1				0			5	96	86
																	4		
212																	4		
																	4		
214																	4		
		214,10-217,20: Autobreccia (photo)		0		0		0		1				0			4	92	67
216																	4		
																	4		
218																	4		
																	4		
220				0		0		0		1			F	1	30		4	95	74
																	5		
222																	5		
																	5		
224																	5		
				0		0		0		1				0			5	95	75
226																	4		
																	4		

Table 6. Drill hole logging sheet, DH 8, Ramnes, 2007.

m	Lithology	Remarks	Alteration										sample #	Mineralisation				SUSC	SCR	RQD
			Sericitic		Silicic		Clay		Pyrite			Bleach		MoS2			Other			
			Int	I	Int	I	Int	I	Int	I	Type	Int		Type	No	direc	minerals			
228																		4		
																		4		
230				0		0		0		1					0			4	98	92
																		3		
232																		3		
																		4		
234																		4		
				1		0		1		1					0			4	66	44
236		235,80-237,70: Frz																4		
	236,10-236,8 VS	Light green, tot clay-ser alt aphanitic																30		
238		volcanogenic sed or tuff.																5		
	236,85-256,7 RH	Same as 96,50-236,10, w scarce fragm																5		
240		of mainly rhyolite.		0		0		0		1			44101	D,F	7	60, 30		5	62	31
		236,85-242,50: Autobreccia																3		
242																		3		
																		3		
244																		3		
				0		0		0		1					0			3	81	72
246																		4		
																		4		
248																		4		
																		4		
250				0		0		0		1					0			4	90	64
																		4		
252																		4		
																		4		
254		253,10-256,75: Autobreccia																4		
		254,60-254,80: Frz		0		0		0		1					0			4	84	76
256																		4		
	256,75-259,9 IF	Greenred intermed flow																5		
258		257,55-257,65: Frz																3000		
																		4800		
260	259,95-271,9 RH	Same as 242,50-253,10. The whole		0		0		0		1					0			5000	75	63
		sect is autobrecciated.																7		
262																		5		
																		12		
264		263,60-263,80: Frz																5		
				0		0		0		1					0			7	67	52
266																		5		
																		5		
268																		5		
		268,40-271,90: Along the lower cont the flow is																5		
270		dark (pitch), w cherty bands and lenses.		0		0		0		0					0			6	91	84
																		5		
272	271,90-273,6 TT	Dark redbrown trac lapilli tuff																10		
																		6		
274	273,60-276,0 PB	Dark grey pyroclastic breccia.																5		
				0		0		0		0					0			5	92	89
276																		6		
		276,00: E O H																		
278																				
280															0					
282																				
284																				
286																				
288																				
290																				
292																				
294																				
296																				
298																				
300																				
302																				

APPENDIX 5

Table 1. Graphic compilation, DH 1, Ramnes 2007.

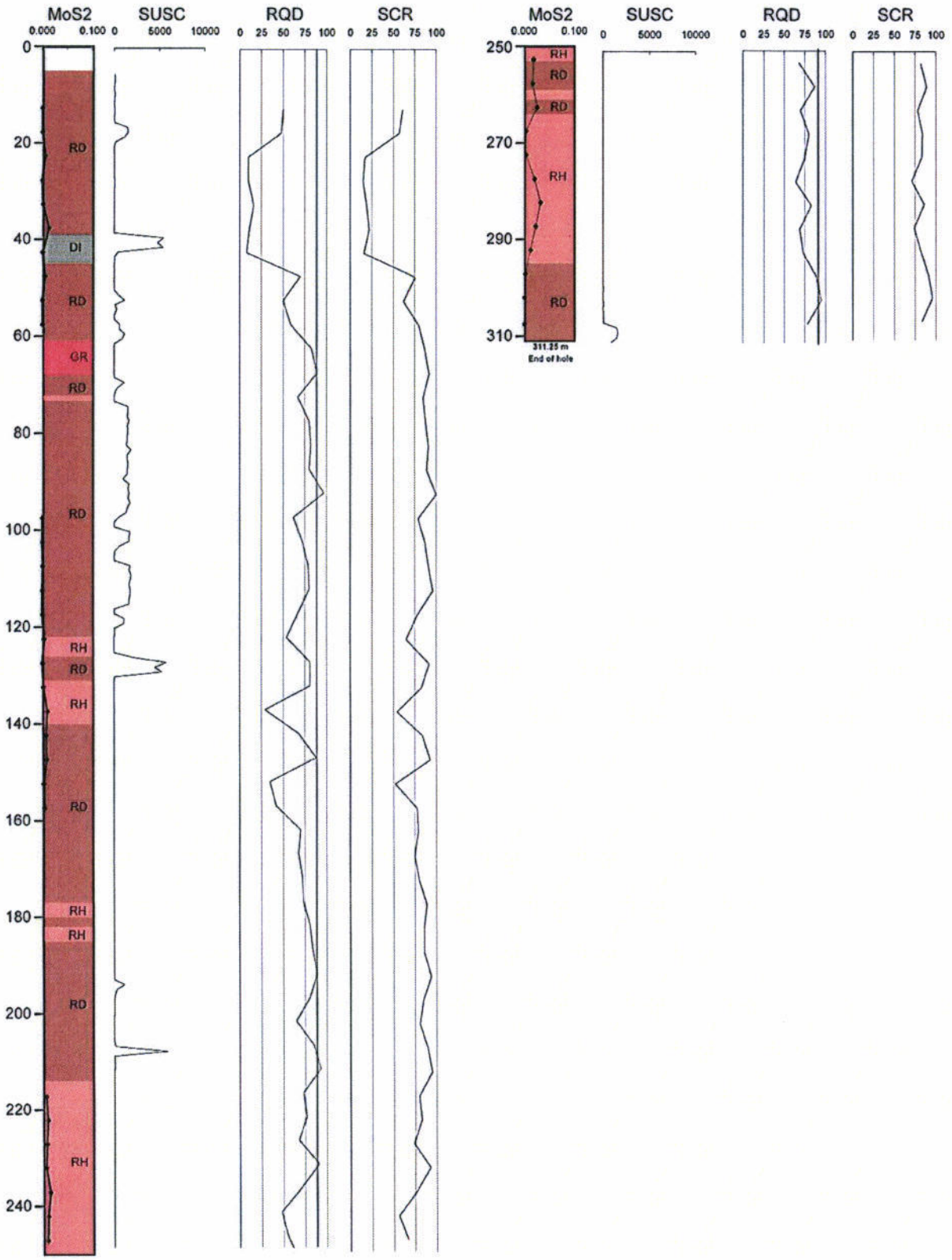


Table 2. Graphic compilation, DH 2, Ramnes 2007.

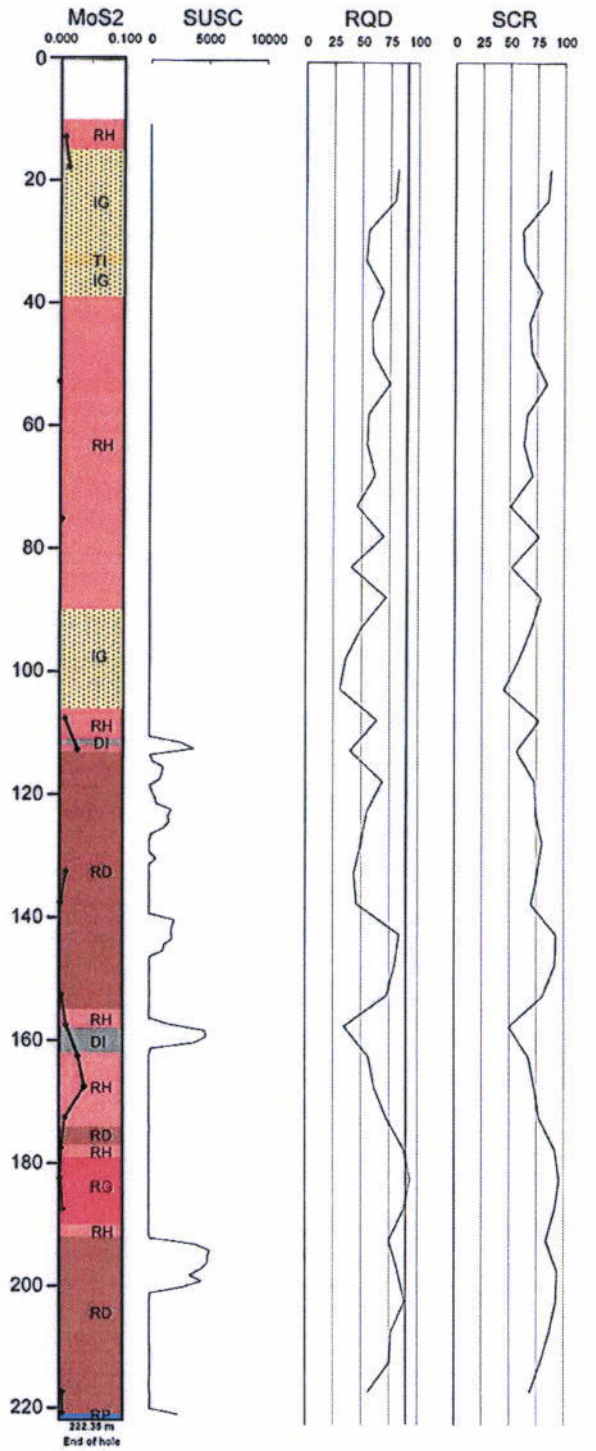


Table 3. Graphic compilation, DH 3, Ramnes 2007.

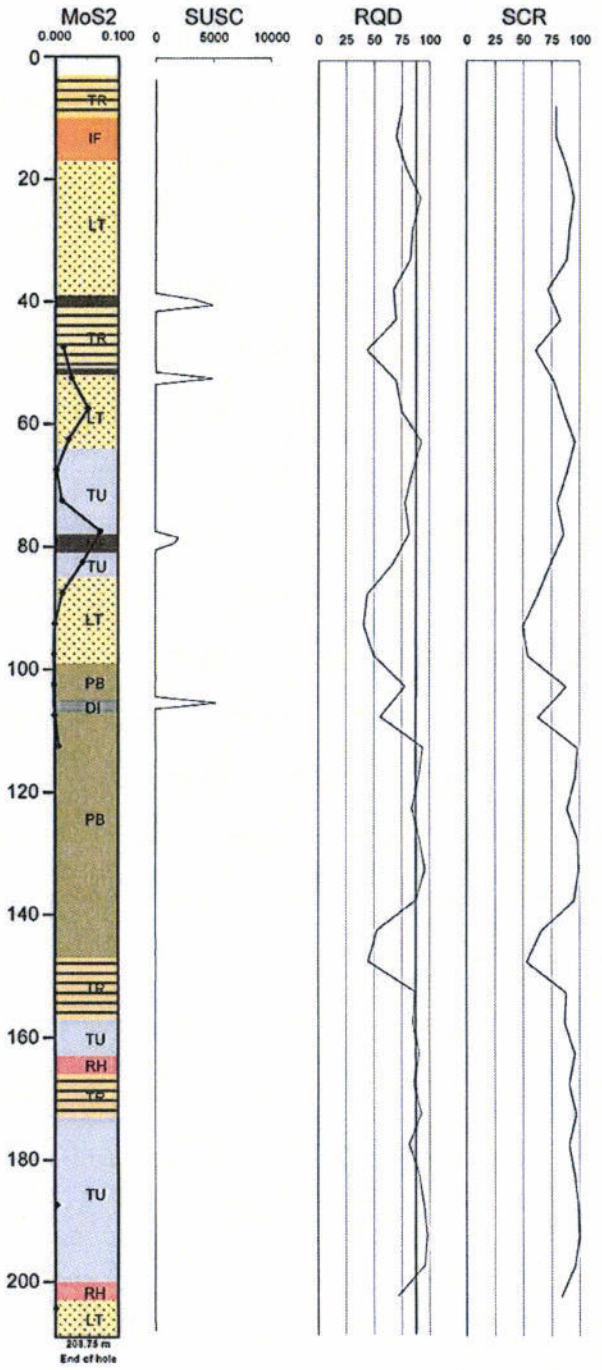


Table 4. Graphic compilation, DH 5, Ramnes 2007.

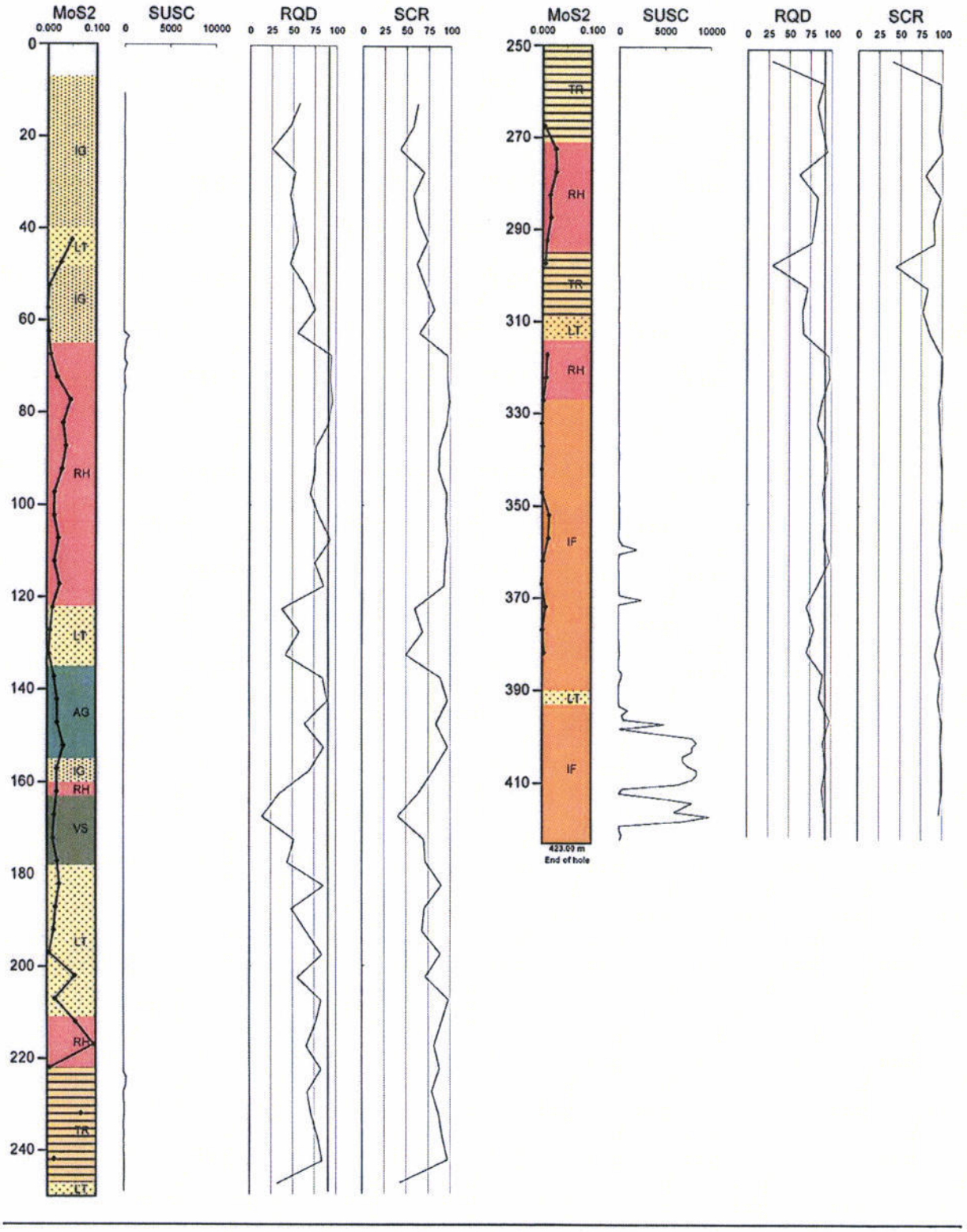


Table 5. Graphic compilation, DH 6, Ramnes 2007.

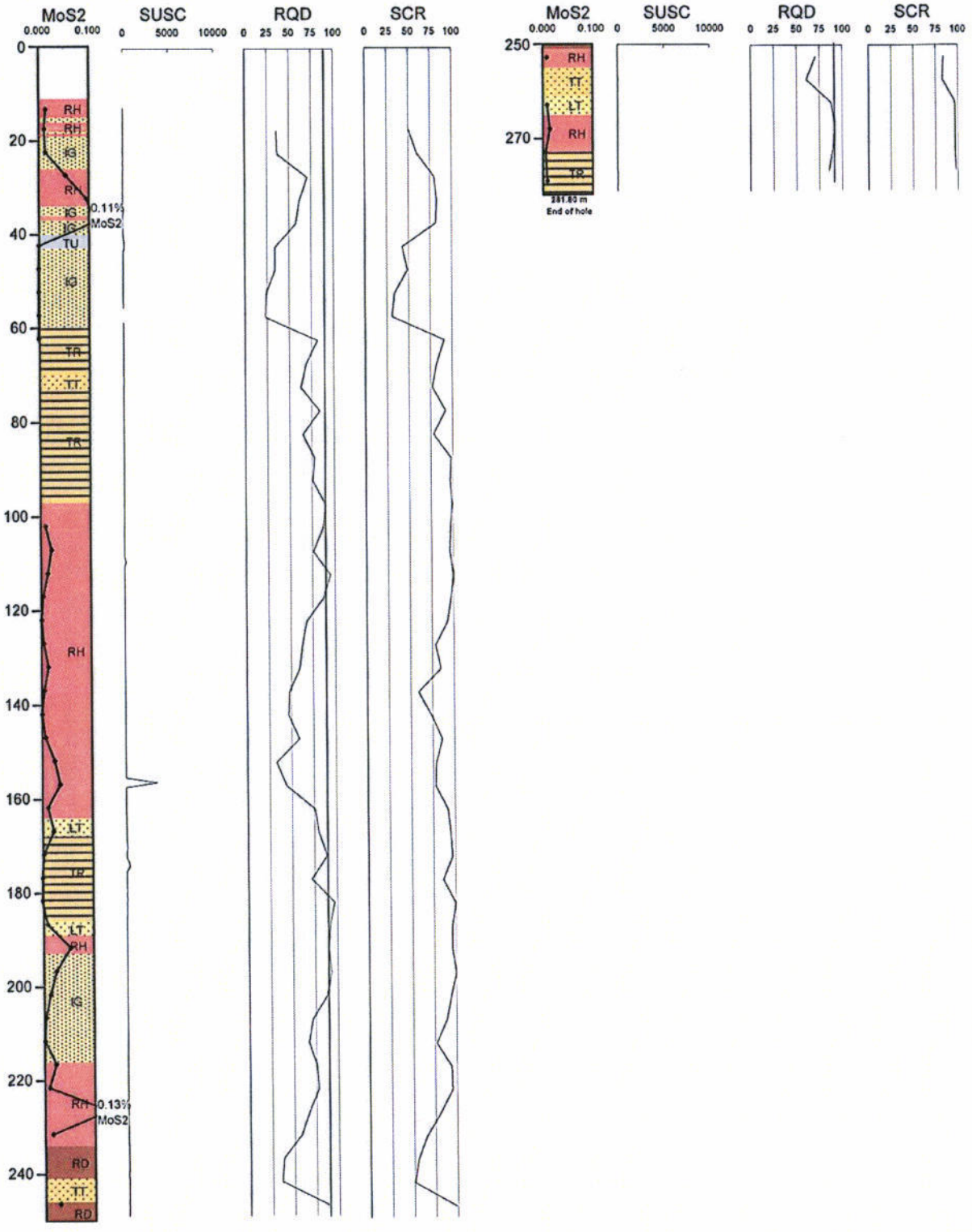


Table 6. Graphic compilation, DH 8, Ramnes 2007.

