GEOLOGICAL REPORT

for the

MORLEY RIVER GOLD – VMS PROJECT
MOR 1 – 52 CLAIMS
WATSON LAKE ~~Whitehorse~~ Mining Division, South Yukon Territory
Mapsheets NTS 105-C-01
Latitude 60°06' N, Longitude 132°05'W
NTS 6664024 N / 0661802 E

Prepared for:

KOBEX RESOURCES LTD.
#1605, 750 West Pender Street
Vancouver, B.C. V6C 2T8

By

C.C. Downie, P.Geo.
Bootleg Exploration Inc
Suite 200 16 11th Ave. S.
Cranbrook, B.C. V1C 2P1

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MARCH 01 2005

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SUMMARY

Kobex Resources Ltd. has entered into an agreement with Almaden Minerals Ltd. to acquire a 60% interest in the MOR, Cabin Lake and Caribou Creek claim groups which are located in the Watson Lake Mining District of the Yukon Territory, by completing work requirements of $1,000,000 and issuing a total of 500,000 shares of Kobex capital over the next 5 years.

Work done on the 3 claim groups by Fairfield Minerals Ltd. (now succeeded by Almaden Minerals Ltd.) in the period 1997 to 2000 included limited geologic mapping, extensive soil geochemical sampling programs, airborne magnetic and VLF - EM on the Cabin Lake and Caribou Creek properties, ground magnetic and VLF-EM surveys on the MOR property, and some blast hand and excavator (Cabin Lake) trenching. All work has been professionally done and has provided considerable reliable information. This report summarizes the 2004 field program on the MOR property. For details the reader is referred to the reports contained in the List of References. All references are available in government offices as assessment work reports.

The several sub-parallel base and precious metal-bearing, pyritic, felsic, quartz-sericite schist horizons within a dominantly mafic chloritic schist on the MOR claims demonstrate the potential of that property to host VMS mineralization. Further, a regionally present, crinkled, manganiferous metachert horizon could be of seafloor hydrothermal origin and thus, suggestive of VMS deposits in the region. Regional government mapping suggests this terrain is correlative with terrane hosting the Kudze-Kayah, Wolverine and Fyre Lake deposits in the Finlayson Lake District. Some authors have also drawn comparisons to the Iberian Pyrite Belt.

Based on recommendations from a 2003 report prepared by Robert Young, P.Eng. for Kobex Resources, an exploration program was carried out on the MOR property in 2004. The work was carried out in two phases with an initial Induced Polarization (IP) geophysical survey followed by a two hole diamond drilling program. Results from the 2004 work are very encouraging and confirm the presence of a mineralized VMS style horizon. Further work, including diamond drilling, is recommended to better define the extent of the mineralization.

The total cost of the 2004 geological exploration work on the MOR property was $ 96,551.58

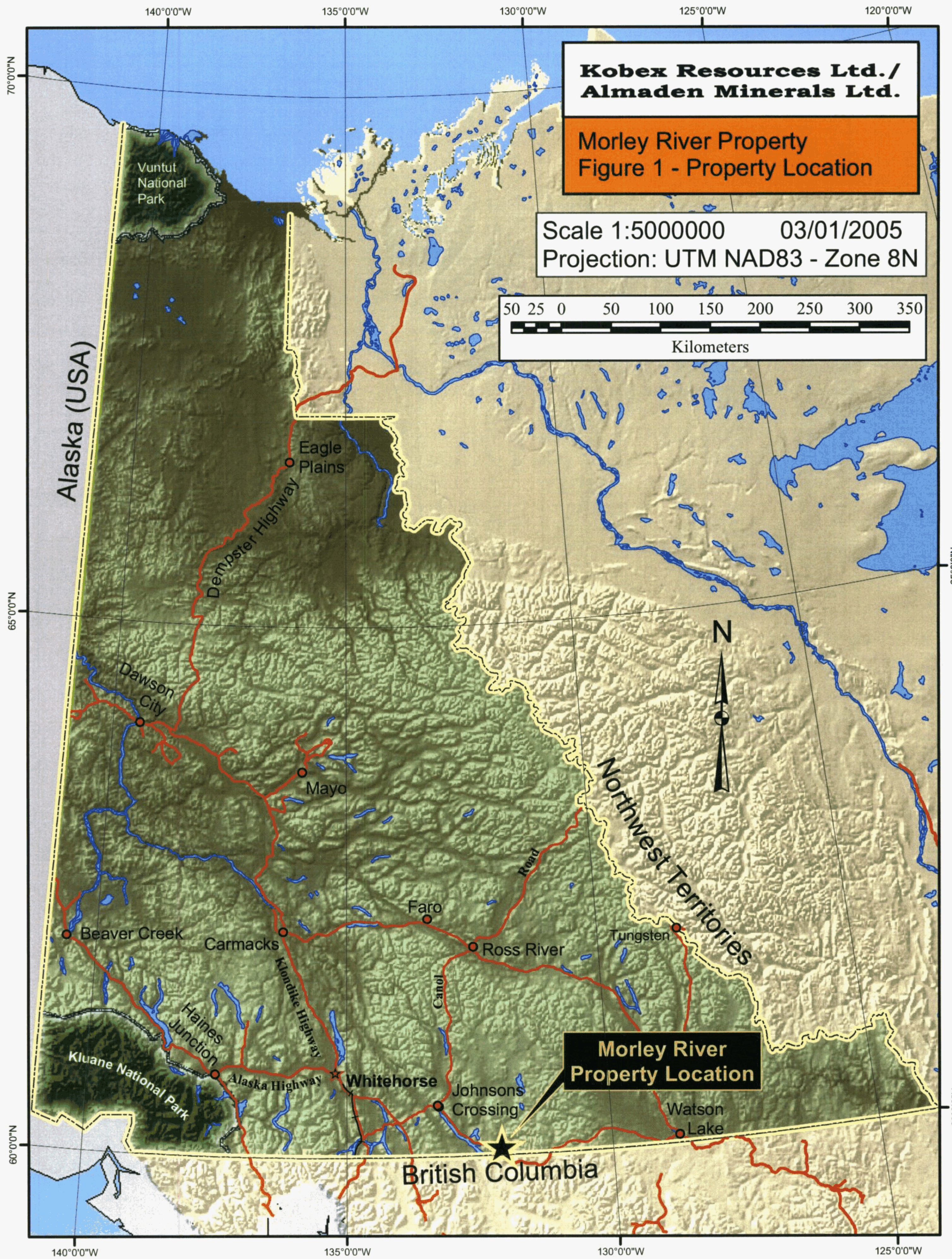
LOCATION AND ACCESS (Figure 1)

The MOR claim group is located in south central Yukon Territory approximately 180 kilometers west of the town, Watson Lake. The Alaska Highway passes 8 kilometers to the south of the MOR claims. The property is accessible by helicopter from the Morley River Lodge, approximately 10 km southwest of the property on the Alaska Highway.

The terrain is characterized by subdued relief with local elevations ranging from 900 to 1400 meters. Vegetation consists of mixed forest and sub-alpine terrain with spruce, pine, balsam and some willow, alder, poplar and tamarack. The climate is characterized by cold winters and moderate summers. Precipitation is moderate and winter snow accumulation is in the order of 1 meter. Drilling can be carried out in winter as well as in the summer months.

Field supplies and services necessary to operate an exploration program including drilling contractors are available at Whitehorse or Watson Lake.

Most of the MOR claims are situated on category B Settlement Lands of the Teslin Tlingit Council (TTC) Yukon First Nations, which holds a fee simple surface title pursuant to its 1993 Final Agreement with the governments of Canada and the Yukon. The mineral rights are owned 100% by Almaden. However, permission from the TTC is required for entry to conduct exploration work on the MOR claims.


Kobex Resources Ltd./
Almaden Minerals Ltd.
Morley River Property
Figure 1 - Property Location
Scale 1:5000000
03/01/2005
Projection: UTM NAD83 - Zone 8N
50 25 0 50 100 150 200 250 300 350
Kilometers
N
140°0'0"W
135°0'0"W
130°0'0"W
125°0'0"W
120°0'0"W
70°0'0"N
65°0'0"N
60°0'0"N
Alaska (USA)
Vuntut National Park
Eagle Plains
Dempster Highway
Dawson City
Mayo
Faro
Road
Ross River
Beaver Creek
Carmacks
Klondike Highway
Canol
Tungsten
Northwest Territories
Haines Junction
Kluane National Park
Alaska Highway
Whitehorse
Johnsons Crossing
Morley River Property Location
Watson Lake
British Columbia

TENURE (Figure 2)

The MOR property consists of 52 Quartz claims (1300 hectares) located on NTS Mapsheet 105-C-01 in the Watson Lake Mining District. The claims are owned 100% by Almaden Minerals Limited. The MOR claims are part of an agreement between Kobex Resources and Almaden whereby Kobex can earn a 60% interest in the Morley River VMS Project property by completing $1,000,000 in exploration expenditures before August 31, 2007 and issuing Almaden a total of 500,000 common shares. The claim details are as follows:

Claim Name	Tenure Number	Expiry Date
MOR 1-4	YB89971-89974	2012/04/29
MOR 5-8	YB91626-91629	2009/04/29
MOR 9-12	YB91820-91823	2009/04/29
MOR 13-52	YB92029-92086	2010/04/29

HISTORY AND PREVIOUS WORK

The initial MOR claims (1-4) were staked in August of 1997 to cover a small zone of significant base and precious metal values in soil and in gossanous schist sub crop (Discovery Showing), located during follow-up of regional stream sediment anomalies identified by Regional Resources Limited (Regional) in 1980. Subsequent work in 1997 focused on hand pitting and trenching in this area, but also included prospecting and reconnaissance (silt, soil, rock) sampling elsewhere on and around the four claims.

During 1998 Fairfield added 8 claims (MOR 5-12) and carried out grid soil geochemistry (21 linekm/432 samples), ground magnetic and VLF-EM geophysical surveys (11 line-km), limited blast trenching in the Discovery Showing area, and minor prospecting with reconnaissance rock sampling.

During 1999, Brett Resources Inc. (Brett) optioned the property from Fairfield and staked 40 additional claims (MOR 13-52). Brett subsequently conducted a soil geochemical survey (22 line-km/442 samples) covering some of the new claims, property-wide preliminary geological mapping at 1: 10,000 scale, more detailed (1: 1 ,500) geological mapping in areas of known mineralization, prospecting and rock sampling, plus claim staking. Brett relinquished its option on December 31, 1999 because of a change in exploration focus effected by corporate merger.

Field work in 2000 consisted of additional grid soil geochemistry (43 line-km/949 samples) and ground magnetic, VLF-EM geophysical surveys (29.5line-km); detailed grid-based soil profile and bedrock sampling by portable power auger (242 samples), further prospecting with reconnaissance rock sampling (32 samples), plus handheld GPS-surveying of claim posts, grid lines and sample locations. A total of 1,223 samples were shipped to Acme Analytical Laboratories Ltd. (Acme), Vancouver, BC and ALS Chemex (ALS), North Vancouver, BC for multi-element analysis.

The 2001 field program entailed fill-in auger sampling and prospecting in the anomalous areas defined by the 2000 field work. A total of 206 soil and rock samples were collected and shipped to Acme for multi-element analysis.


Kobex Resources Ltd./
Almaden Minerals Ltd.
Morley River Property
Tenure Map
Scale 1:25,000 03/02/2005
Projection: UTM NAD83 - Zone 8N
132°7'12"W
132°3'36"W
660000
661000
662000
663000
664000
6666000
6665000
6664000
6663000
6662000
6661000
60°5'24"N
60°3'36"N
YB92059
YB92061
YB92063
YB92065
YB92067
YB92060
YB92062
YB92064
YB92066
YB92068
YB91823
YB91627
YB89972
YB89971
YB91628
YB91820
YB91822
YB91626
YB89974
YB89973
YB91629
YB91821
YB92029
YB92031
YB92033
YB92035
YB92037
YB92039
YB92030
YB92032
YB92034
YB92036
YB92038
YB92040
YB92041
YB92043
YB92045
YB92047
YB92049
YB92042
YB92044
YB92046
YB92048
YB92050
YB92051
YB92053
YB92055
YB92057
YB92052
YB92054
YB92056
YB92058
N
0 0.25 0.5 1 1.5 2
Kilometers
Legend
Claim Boundaries

A 2003 report by Robert Young, prepared for Kobex Resources, recommended further work for the MOR claims including an IP survey and follow up diamond drilling. 2004 work by Kobex was based on these recommendations.

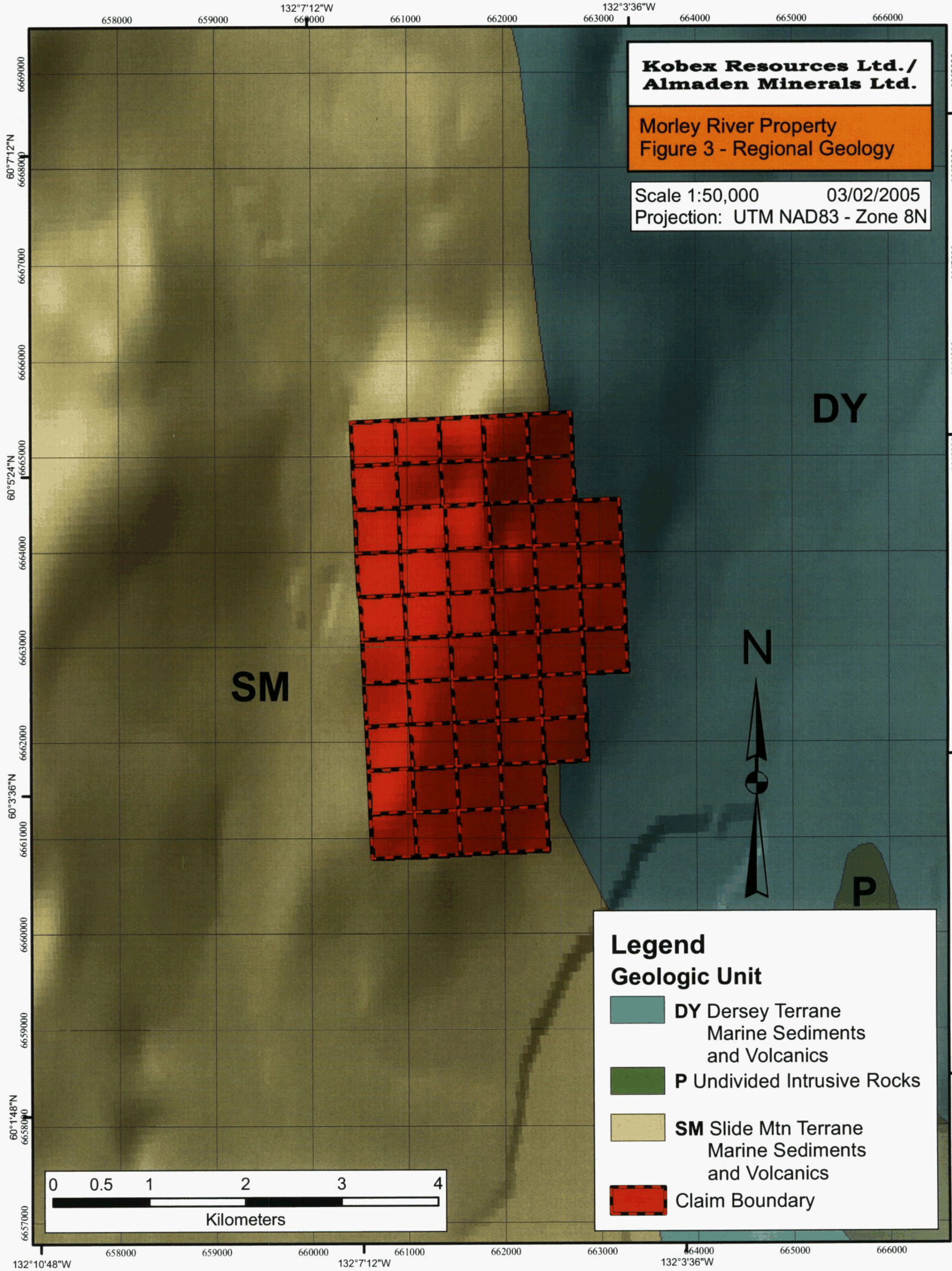
GEOLOGY

Regional Geology (Figure 3)

The bedrock geology of the region encompassing the MOR claims is documented in various Geological Survey of Canada publications dating from 1960 – 1994. These include GSC Maps 10-1960 (Poole, Roddick and Green), 1125A (Mulligan), Open File 2886 (Gordey & Stevens), 1712A (Wheeler & McFeely) and 1713A (Wheeler et. al). Revision mapping is currently underway in areas south and east of the MOR claims by the Ancient Pacific Margin NATMAP Project (Roots et al. 1999-ongoing)

The region is part of the Omineca Belt of the Canadian Cordillera, a widespread zone of uplifted metamorphic and intrusive rocks that extends from northern British Columbia through the south-central Yukon and into Alaska. In the MOR area, this belt is characterized by several deformed Paleozoic assemblages which include a portion of the pericratonic Kootenay or Yukon Tanana Terrane lying between the Teslin Fault to the west and the continental Cassiar terrane to the east. This Devono-Mississippian (Yukon Tanana) stratigraphy is also known as the Big Salmon Complex particularly in adjacent northern British Columbia (Mihalynuk et al, 1998-2000). Current studies by various workers of the Yukon Geology Program (INAC/EGSD, Murphy et al) indicate that rocks of the Big Salmon Complex are at least partially equivalent to certain units (Nasina Assemblage) of the Yukon Tanana Terrane which hosts the Kudze Kayah, Wolverine and Fyre Lake volcanogenic massive sulphide (VMS) deposits in the finlayson Lake district, 160 km NE of the MOR.

An extensive manganiferous metachert ("crinkled chert") horizon occurring a few kilometres to the southeast of MOR and which on the Cabin Lake property is spatially related to VMS style mineralization is noteworthy as this unit is now considered to be of seafloor hydrothermal origin and thus may be an important indicator of VMS potential in the area. Similar exhalative units are recognized in major VMS districts of the world, including the Iberian Pyrite Belt (Mihalyuk, 2001).



Kobex Resources Ltd./
Almaden Minerals Ltd.
Morley River Property
Figure 3 - Regional Geology
Scale 1:50,000 03/02/2005
Projection: UTM NAD83 - Zone 8N
DY
SM
P
N
Legend
Geologic Unit
DY Dersey Terrane Marine Sediments and Volcanics
P Undivided Intrusive Rocks
SM Slide Mtn Terrane Marine Sediments and Volcanics
Claim Boundary
0 0.5 1 2 3 4
Kilometers
132°7'12"W
132°3'36"W
132°10'48"W
60°7'12"N
60°5'24"N
60°3'36"N
60°1'48"N
658000
659000
660000
661000
662000
663000
664000
665000
666000
6669000
6668000
6667000
6666000
6665000
6664000
6663000
6662000
6661000
6660000
6659000
6658000
6657000

Property Geology (Figure 4)

The MOR claims are mainly underlain by a thick sequence of green quartz-chlorite schist and chlorite schist of which protoliths are interpreted as mafic to intermediate volcanic tuffs and minor flows. This assemblage is mainly composed of fine grained, bright to dark green, well foliated chlorite schists/mafic tuff to lapilli tuff. The mafic rocks are interbedded with quartz chlorite schist/intermediate tuff on a centimeter to meter scale. These rocks contain varying amounts of layer parallel quartz and feldspar. Quartzite/chert was also observed locally as interbeds within the mafic dominated succession but never sufficiently thick to form a mappable unit. The rocks are strongly deformed and have a strong, nearly parallel to layering, schistosity which generally strikes east and dips moderately to the south. The sequence has been significantly thickened by tight high amplitude folds which were observed at an outcrop scale. Metamorphic grade is middle greenschist facies. This assemblage of dominantly mafic volcanics may correlate with the "greenstone sequence" of the Big Salmon Complex mapped by Mihalynuk et al (1998).

The northeast portion of the property is underlain by a grey-white, thickly bedded, medium to coarse-grained marble. This unit was observed in flat lying, conformable contact with and overlying the greenstone sequence described above. Bedding in the recrystallized limestone strikes east and dips south at 30 degrees.

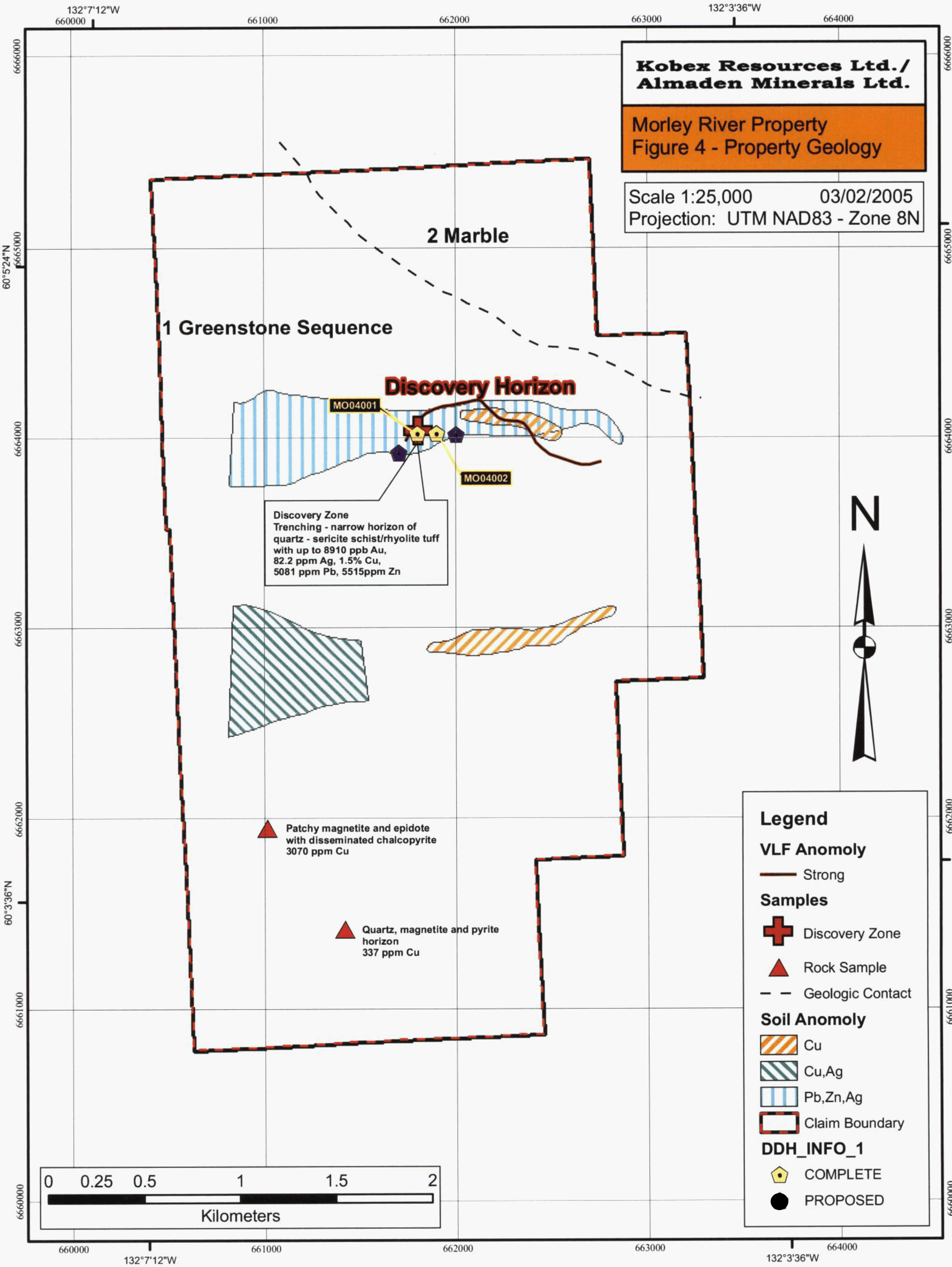
A single traverse to the north of the limestone (outside the northern MOR claim boundary) revealed a third mappable geological unit comprising a highly variable sequence of grey, siliceous, phyllitic meta-sediments with interbedded 1-10 meter thick, dark grey to black, carbonaceous cherts. This unit strikes to the northeast and dips to the southeast.

Mineralization

On the MOR claims, the main mineralized zone consists of at least four separate quartz-sericite schist/ rhyolitic tuff horizons within a dominantly mafic volcanic sequence. These horizons, where exposed, range from 20 centimeters to 1.75 meters thick, are strongly gossanous and contain pyrite with locally significant amounts of chalcopyrite, gold and silver. Mafic schists in contact with the mineralized quartz-sericite schist units are strongly pyritic and commonly anomalous in copper. The quartz-sericite schist units have been traced over a strike length of 900 meters.

Grab samples from mineralized quartz-sericite schist at the Discovery Showing have returned analyses of up to 8910 ppb gold (Au), 82.2 ppm silver (Ag),10500 ppm copper (Cu), 5081 ppm lead (Pb) and 5515 ppm zinc (Zn). Other occurrences within the same stratigraphic unit located 450 meters east of the Discovery Showing also returned significant base metal and precious metal values.

Two other occurrences (one located 100m southwest, the other 500m east) of quartz-sericite schist hosted mineralization were intersected during the 2000 auger sampling program. One occurrence, the SA horizon, is located 100m southwest of the Discovery Showing; the other, the BHC area, is located 500m east of the Discovery Showing.



Kobex Resources Ltd./
Almaden Minerals Ltd.
Morley River Property
Figure 4 - Property Geology
Scale 1:25,000 03/02/2005
Projection: UTM NAD83 - Zone 8N
132°7'12"W
132°3'36"W
60°5'24"N
60°3'36"N
660000
661000
662000
663000
664000
6660000
6661000
6662000
6663000
6664000
6665000
6666000
2 Marble
1 Greenstone Sequence
Discovery Horizon
MO04001
MO04002
Discovery Zone
Trenching - narrow horizon of
quartz - sericite schist/rhyolite tuff
with up to 8910 ppb Au,
82.2 ppm Ag, 1.5% Cu,
5081 ppm Pb, 5515ppm Zn
Patchy magnetite and epidote
with disseminated chalcopyrite
3070 ppm Cu
Quartz, magnetite and pyrite
horizon
337 ppm Cu
N
0 0.25 0.5 1 1.5 2
Kilometers
Legend
VLF Anomoly
Strong
Samples
Discovery Zone
Rock Sample
Geologic Contact
Soil Anomoly
Cu
Cu,Ag
Pb,Zn,Ag
Claim Boundary
DDH_INFO_1
COMPLETE
PROPOSED

2004 WORK PROGRAM (Figure 5, Appendix V)

The 2004 work program on the MOR claims was carried out in two phases. The initial phase consisted of a 4.5 line-km Induced Polarization (IP) Survey contracted to Aurora GeoSciences Ltd. of Whitehorse, YT and carried out from July 12 - 23 2005. A pole-dipole array was employed, using a 25 m dipole spacing and reading from the 1st to the 6^{th} separation. The data was interpreted by employing automated computer inversion to generate 2D models of the chargeability and resistivity distribution along each line. These results were in turn contoured to generate a three dimensional model of the chargeability and resistivity distribution.

The results from the IP survey were integrated with other data including mapping, prospecting, geophysics and geochemistry and two drill locations were located to test for mineralization at depth. These two sites were drilled during the second phase of the program which ran from Aug. 14 - 17 2004. Project management for the drilling program was contracted to Bootleg Exploration Inc. of Cranbrook, BC, under the supervision of Charles Downie, P.Geo. The drilling contractor was FB Diamond Drilling. A total of 185.3 meters (608') in two holes was completed using a Heliportable Longyear LF 70 drill cutting NQ2 sized core. Crews were housed in Teslin and mobilized to site from the Morley River Lodge parking lot using a charter helicopter supplied by Discovery Helicopter based in Atlin, BC.

The samples were shipped to Acme Analytical Laboratories Ltd. in Vancouver, B.C. for analysis. The samples were analyzed for 30 element ICP plus Au using aqua-regia digestion. All samples were collected, handled, catalogued and prepared for shipment under the supervision of Charles Downie, P.Geo.

All exploration and reclamation work was carried out in accordance to the Yukon Quartz Mining Act. The drillcore is stored securely midway between the collars of the two drillholes and has been clearly marked with metal tags.

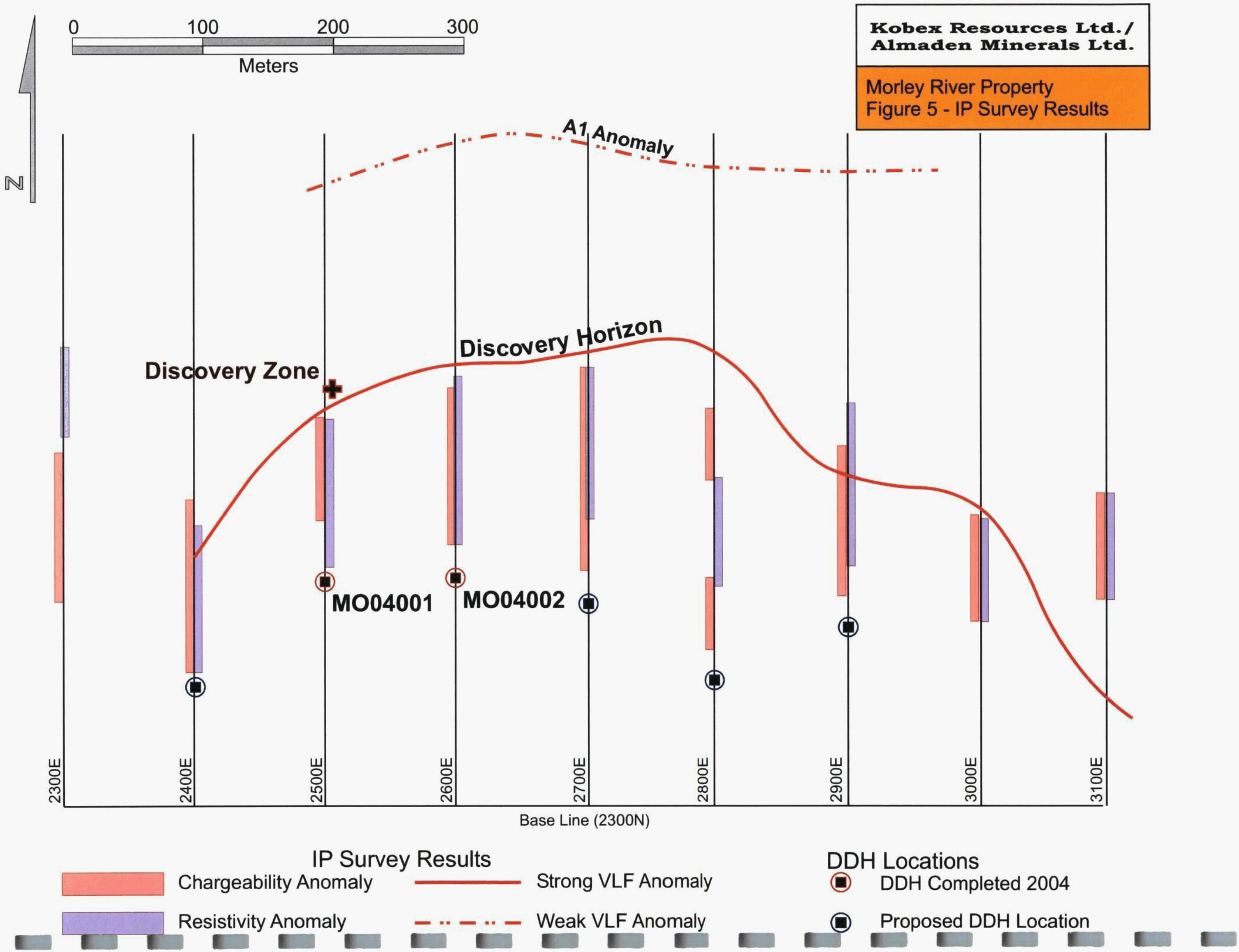
Total 2004 exploration expenditures by Kobex Resources on the MOR Project was $96,551.58

2004 PROGRAM RESULTS (APPENDIX III - V)

GEOPHYSICAL SURVEY (APPENDIX V)

The survey mapped a moderately to highly chargeable horizon the length of the grid. The western end of this horizon is coincident with a showing. The anomaly is cut off to the west and open to the east and the chargeable source appears to plunge gently to the east along strike. The horizon may be faulted near the eastern boundary of the surveyed area. The data was interpreted using the DCIP2D package developed by the University ofBritish Columbia Geophysical Inversion Facility. The inversion algorithm is described in detail by Oldenburg and Li (1994).

The data is of good quality except on L2800E where very high chargeabilities and associated errors were recorded and on L2900E where there is a suspect slash on the southern end of the line. There appears to be a south dipping chargeable body with low apparent resistivity trending across the grid. The anomaly is fully developed by L2500E and begins to taper off by L3000E. The dip of the body appears to change from moderate to steeply dipping moving from west to east. The anomaly is cut off to the west on L2300E as there is essentially no response on this line. The model results suggest that there may be two horizons present. The northern horizon appears to be more chargeable except on L2800E. This is only apparent in


Kobex Resources Ltd./
Almaden Minerals Ltd.
Morley River Property
Figure 5 - IP Survey Results
0
100
200
300
Meters
N
A1 Anomaly
Discovery Horizon
Discovery Zone
MO04001
MO04002
2300E
2400E
2500E
2600E
2700E
2800E
2900E
3000E
3100E
Base Line (2300N)
IP Survey Results
Chargeability Anomaly
Resistivity Anomaly
Strong VLF Anomaly
Weak VLF Anomaly
DDH Locations
DDH Completed 2004
Proposed DDH Location

the pseudosection as the inversion could not deal with the high chargeability errors. Comparing the IP models from Lines 2500E through 2900E, it appears that the chargeable body is plunging to the east at a gentle angle. It should be noted that the receiving array is best suited to detecting thin, moderately dipping targets to a depth of around 85 m and the tapering off of the IP response at depth to the east in the models may reflect only this.

DIAMOND DRILLING (APPENDIX III)

Both diamond drill holes intersected significant VMS style mineralization.

DDH MOR04-001 was drilled at a dip of -60° / AZ 358° (MINE GRID N) STATION 2500E / 2470N and was drilled to a depth of 75.9m (249'). The hole intersected significant alteration and mineralization from the collar to 25 meters depth. A further mineralized unit was intersected at roughly 42 meters depth in this hole. A brief description of the highlights follows :

7.4 - 44.5m Chlorite Schist
quartz sericite schist with local well developed ptygmatic folding; 4% quartz in stringers, augens; generally 3-5 % disseminated pyrite;
Sulphide Zone 19.3 - 24.1m
massive to semimassive (20% average) pyrite with local coarse chalcopyrite; strongly sericite flooded with local quartz flood; sulphides typically occur in bands parallel to local schistosity;

44.5 - 75.9 Felsic Tuff / Metavolcanic
strongly silicified/vuggy; sharp contact with overlying unit; 3 - 4 % disseminated pyrite;
Sulphide Zone 42.0 - 42.15
30% coarsely disseminated pyrite grading downhole into 5 - 8 % pyrite finely disseminated pyrite to 42.6m

MOR04-001 ANALYTICAL

From	To	Interval(m)	Cu(%)	Zn(%)	Ag(g/T)	Au(g/T)
18.0	22.9	4.9	0.69	1.31	39.7	0.82
including:						
19.9	20.95	1.05	0.64	1.18	46.8	1.27
41.9	42.6	0.7	0.69	0.18	11.8	0.5

DDH MOR04-002 was drilled at a dip of -60° / AZ 358° (MINE GRID N) STATION 2600E / 2470N and was drilled to a depth of 109.4m (359').) The hole also encountered significant mineralization in two separate units. The first was intersected at roughly 23 meters depth and the second at roughly 66 meters depth. A brief description of the highlights follows :

1.2 - 29.6m Felsic Tuff / Metavolcanic
probably the same unit as in footwall of MOR04-001; 3-5 % disseminated pyrite; local quartz veins; local crenulations
Sulphide Zone 22.25-27.05m
heavily pyritized interval; up to 60% pyrite over 30cm; host is strongly silicified; pyrite occurs as fine-coarse disseminations and in two massive 2cm width bands parallel to local laminations;

29.6 - 49.5m	Cherty Quartzite with Biotite Schist Interbeds distinct unit; bleached, silicified; chert occurs as alteration/flooding and rare ribbons; trace-0.5% disseminated pyrite with rare galena;biotite schist occurs as conformable beds; local pervasive sericite flood;
49.5 - 63.1m	Felsic Tuff wide variety of textures from thin laminated to large fragmental lapilli features; same unit as from 1.2 - 29.6m
63.1 – 75.2m	Chlorite Schist weak to moderate sericite/silica alteration; local coarse tuffaceous interbeds; 2-3 % disseminated pyrite; Sulphide Zone 66.12-68.0m well mineralized zone with chalcopyrite; chalcopyrite occurs as disseminations with up to 30% over 0.22m; chalcopyrite disseminatioins often have pyritic rims; local semimassive pyrite banding with up to 3% chalcopyrite over 5cm; sulphide band contacts parallel to local bedding 80°tca;
75.2 – 88.2m	Felsic Tuff 1-2 % finely disseminated pyrite; local epidote spotting; becomes finer grained toward bottom of section;
88.2-97.8m	Ash Tuff / Lapilli Tuff fine grained, well laminated; well silicified with cherty interbeds; becomes more cherty downhole;
97.8-109.4m	Mafic Tuff / Biotite Schist / Hornfels weakly schistose, biotite rich tuff; 20% small lapilli / fragments;1% finely disseminated pyrite;

MOR04-002 ANALYTICAL

From	To	Interval(m)	Cu(%)	Zn(%)	Ag(g/T)	Au(g/T)
23.3	27.05	3.75	0.17	0.76	12.95	0.17
including:						
24.50	24.85	0.35	0.44	2.17	26.20	0.41
66.12	68.00	1.88	0.97	0.21	19.78	0.35
including:						
67.3	68.00	0.70	1.23	0.37	37.65	0.50

The better mineralized intervals are also associated with high values in cadmium, tin, mercury, bismuth, cobalt and selenium. Although more drilling is necessary to determine true widths of the mineralized horizons, sulphide banding generally appears to be conformable to local schistosity and bedding.

CONCLUSIONS AND RECCOMMENDATIONS (Figure 5)

The 2004 field program at the MOR property by Kobex Resources Ltd. successfully defined a new VMS occurrence. In 2004 Kobex Resources Ltd. completed an induced polarization (IP) geophysical survey over the MOR property which defined an 800 meter long linear chargeability anomaly that remains open along strike. This anomaly is coincident with significant mineralization identified in trenches and anomalous soil geochemistry. The results from these surveys were integrated to locate two high priority drill targets. Drill testing confirmed the presence of multiple copper – zinc – gold - silver enriched sulphide horizons with associated high values in cadmium, tin, mercury, bismuth, cobalt and selenium. The mineralized horizons occur within a package of Yukon-Tanana Terrane volcanic rocks thought to be equivalent to terrane hosting the Kudze-Kayah, Wolverine and Fyre Lake deposits in the Finlayson Lake District of the Yukon Territory.

Further work is recommended to better define mineralization on the MOR property and on the Caribou Creek and Cabin Lake properties, also under option to Kobex Resources.

On the MOR property, diamond drilling should be extended to east to test the IP anomalies on Lines 2700E, 2800E and 2900 E. This should test the postulated gentle easterly plunge to the VMS horizon indicated by the IP survey interpretation. A hole should also be drilled on Line 2400 E to test the westerly extent of the mineralization. One problem encountered during the 2004 drill program was correlating stratigraphic units between the two drill holes. It would be useful to lay out the 2004 holes alongside any new holes in order to better understand the stratigraphic relationships between the volcanic units.

Induced Polarization (IP) appears to be a valuable tool in defining the location of buried VMS horizons on the MOR claims. Similar surveys should be conducted on the Caribou Creek and Cabin Lake properties in areas identified as prospective by past geological and geophysical surveys.

A budget for the proposed work on the MOR property follows. The budget assumes a 20 day work program, with crews staying in Teslin and commuting to work via helicopter charter from the Morley River Lodge. Overall costs could be reduced by between 20 – 30% by using a fly camp with the helicopter only used for mob-demob, moving the drill and resupply.

Proposed Work Program for the MOR Property, Yukon Territory.

Diamond Drilling:1500m @ $85/m all in	$127,500.00
Personnel	$19,500.00
Helicopter Support : 40 hours @ $1000/hour	$40,000.00
Mob/Demob	$5,000.00
Analytical: 300 core samples @ $20/sample 30 element ICP plus Au fire assay	$6,000.00
Shipping:	$1000.00
Meals/Grocery: 7 men x $35/day x 20 days	$4,900.00
Accommodation:4 rooms x $20 days x $60/room	$4800.00
Truck/Equipment Rentals including mileage	$4,000.00
Aifare:	$2000.00
Communication: radios, satellite phone	$1000.00
Fuel (Diesel, Gasoline, Propane)	$2,000.00
Supplies	$1500.00
PreField: maps, compilation	$1500.00
Miscellaneous	$1000.00
Report/Reproduction	$3,500.00
Sub-Total :	$225,200.00
10% Contingency :	$22,520.00
TOTAL :	$247,720.00

REFERENCES

Balon, E.A., P.Geo. & Jakubowski, W.J., P.Geo., 2000, MaR Property Geochemical and Geophysicial Assessment Report, Watson Lake Mining District, Yukon Territory NTS: 105/Cl Lat 60° OS' N; Long 1320 OS' W, dated February, 2001, for Fairfield Minerals Ltd.

Bradshaw, Geoffrey D., B.Sc., Report on Geological and Geochemical Surveys on the MOR Property, Yukon Territory, Watson Lake Mining Division, Yukon TerritoryLat. 610 05'N; Long. 1310 15' W, for Brett Resources Inc., dated August 24, 1999.

Bradshaw, Geoffrey D., B.Sc., Report on Geological and Geochemical Surveys on the Caribou Creek Property, Yukon Territory, Watson Lake Mining Division, Yukon Territory 105Cl and 105C8, Lat 60° 16' N; Long 132° 03' W, dated August 24, 1999, for Brett Resources Inc.

Jakubowski, W., P.Geo & Balon, E.A., P.Geo, 1998 Geochemical Report on the Caribou Creek Property (CCl - 54 claims), Watson Lake Mining District, Yukon Territory NTS: 105B and 105C, Lat 60° 15' N; Long 132004' W, dated May 1999. (1998 Assessment Report), for Fairfield Minerals Ltd., dated May 1999 (1998 Assessment Report).

Ritcey, D.H., B.Sc., B.A. M.Sc & Balon, E.A., P .Geo., 1997, Geological, Geochemical, Geophysical and Trenching Report on the Cabin Lake Property (CL 1 - 122 claims), Watson Lake Mining District, Yukon Territory NTS: 105C, Lat 600 06'N; Long 131047' W, dated May, 1998, for Fairfield Minerals Ltd.
Note: This report incorporates complete reports by Aerodata Inc. and Amerok Geosciencies Ltd. on airborne and ground geophysics.

Ritcey, D.H., B.Sc., B.A. M.Sc & Balon, B.A., P.Geo., 1997, Geological, Geochemical and Geophysical Report on the Caribou Creek Property (CC 1 - 44 claims) Watson Lake Mining District, Yukon Territory NTS: 105B and 105C, Lat 600 15' N; Long 132004' W, dated May 1998. (1997 Assessment Report), for Fairfield Minerals Ltd.
Note: This report incorporates complete reports by Aerodata Inc. and Amerok Geosciencies Ltd. on airborne and ground geophysics.

Smith, Gary 1., B.Sc., Fairfield Minerals Ltd., Induced Polarization Survey at the Cabin Lake Property Smart River Area Yukon Territory, dated October 16, 1998.
Note: This report includes coverage of some work on the Caribou Creek property.

Young, Robert J., P.Eng., 2003, Summary Report on the Morley River Gold - VMS Project; Internal Report prepared for Kobex Resources Ltd.

Appendix I

Statement of Qualifications

Statement of Qualifications

I, Charles C. Downie, P. Geo., certify that:

1) I reside at 716 Summit Place, Cranbrook, British Columbia, V1C 5L4

2) I am a geologist employed by Bootleg Exploration Inc., a wholly owned subsidiary of Eagle Plains Resources Ltd., of Cranbrook, British Columbia

3) I am the Exploration Manager for both Bootleg Exploration Inc. and Eagle Plains Resources Ltd.

4) I am independent of Kobex Resources Ltd. and Almaden Minerals Ltd. applying all of the tests in section 1.5 of National Instrument 43-101.

5) I graduated from the University of Alberta with a Bachelor of Science degree in 1988 and have worked as a geologist since that time.

6) I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia, Registration No. 20137

7) I supervised the 2004 diamond drill program on the MOR Property, which is the basis for part of this report.

8) I am responsible for the preparation of this report entitled "Geological Report for the Morley River Gold - VMS Project", and dated February, 2005.

Dated this 01st day of March, 2005, at Cranbrook, British Columbia.

PROFESSIONAL PROVINCE OF C. C. DOWNIE BRITISH COLUMBIA GEOSCIENTIST

Charles C. Downie, BSc., P.Geo.

Appendix II

Statement of Expenditures

STATEMENT OF EXPENDITURES

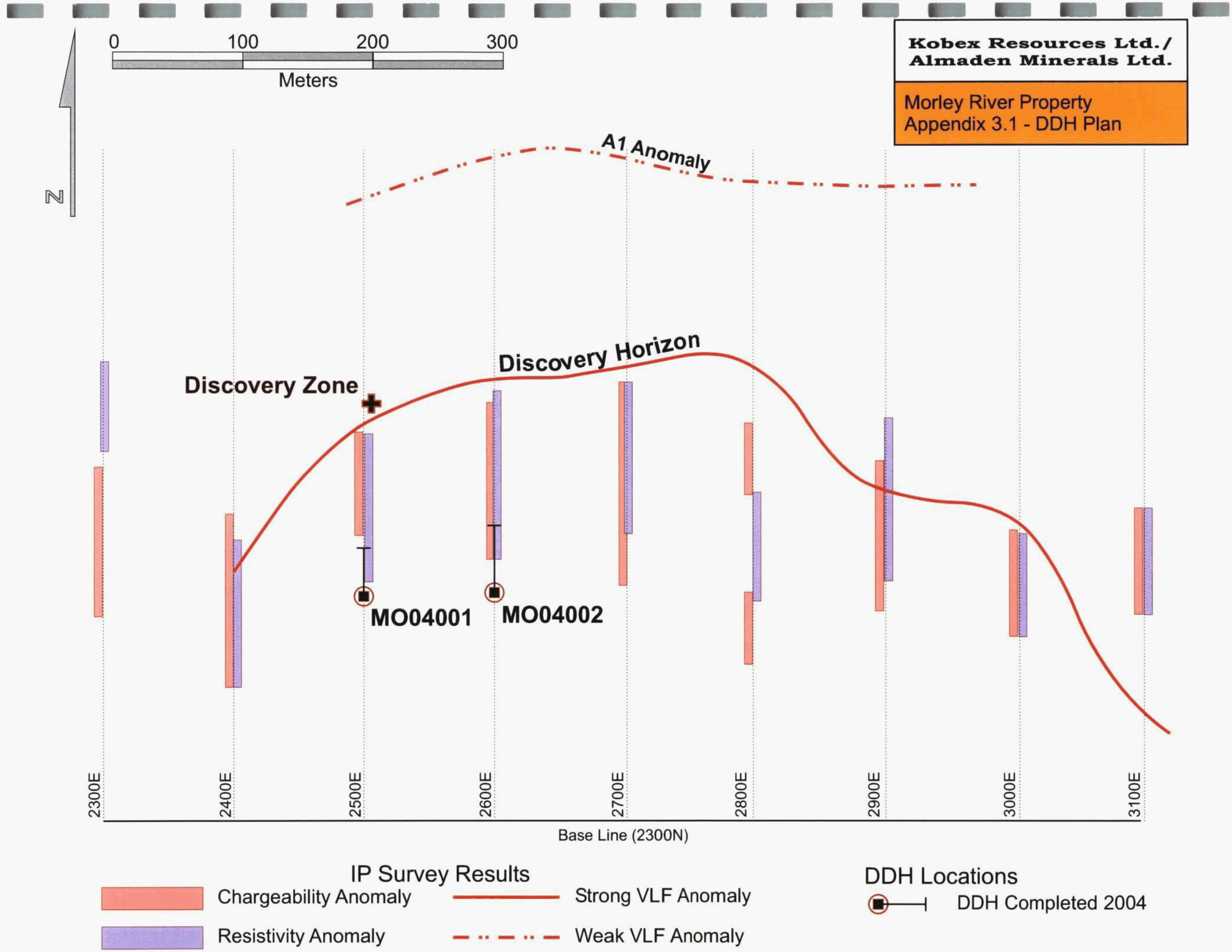
The following expenses were incurred on the MOR Claims, Watson Lake Mining Division, for the purpose of mineral exploration between the dates of May 01 and September 30 2004.

Project Work – Line Cutting, Geophysical surveys (IP) and Diamond Drilling

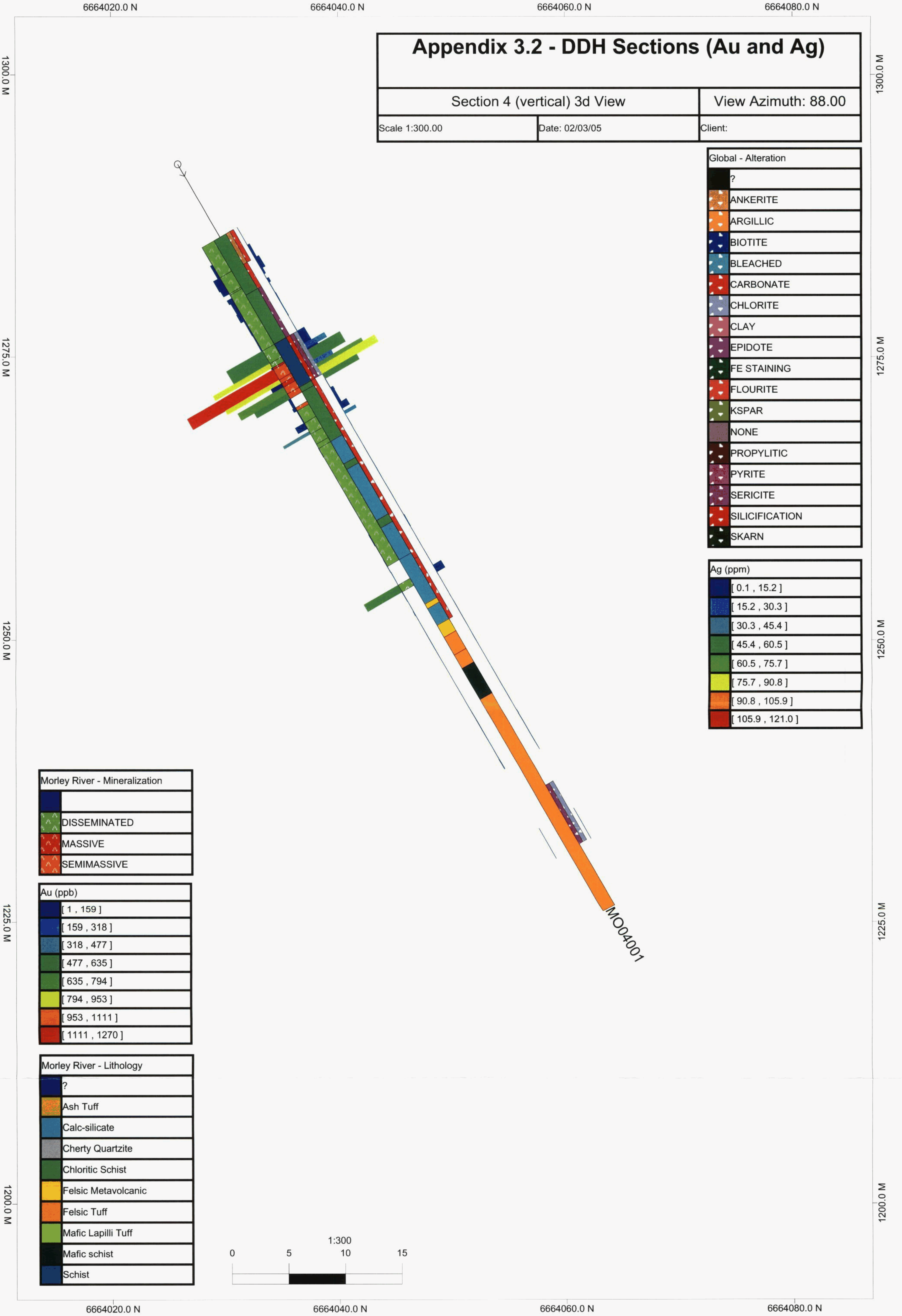
PROJECT SUPERVISION	
Salaries	$ 6,600.00
Drafting	907.50
TRAVEL & ACCOMMODATION	
Accommodation	2,131.00
Air-fares	
Meals	1,594.99
FIELD SUPPORT	
Food	998.48
Timber & fuel for drill pads	3,185.67
Equipment rental	140.00
Truck rental	550.00
Field allowance (14 man days @ $35/day)	490.00
Helicopter rental	31,840.29
LINE CUTTING	
Mobilization/Demobilization	1,520.00
Line cutting (July 13-18, 2004) 6 days @ $1,485/day	8,910.00
DRILLING (AUG 15-17, 2004)	
Drill pad building	2,970.00
Drilling (185.31m)	15,100.02
GEOPHYSICAL SURVEY (IP) 4 days $1,980/day	7,920.00
Reports	3,850.00
Freight	409.24
ASSESSMENT REPORT writing, reproduction, drafting (estimate)	2000.00
PROJECT ADMINISTRATION FEE (PAID TO BOOTLEG EXPLORATION	5,434.39
TOTAL PROJECT EXPENDITURES	**$ 96,551.58**

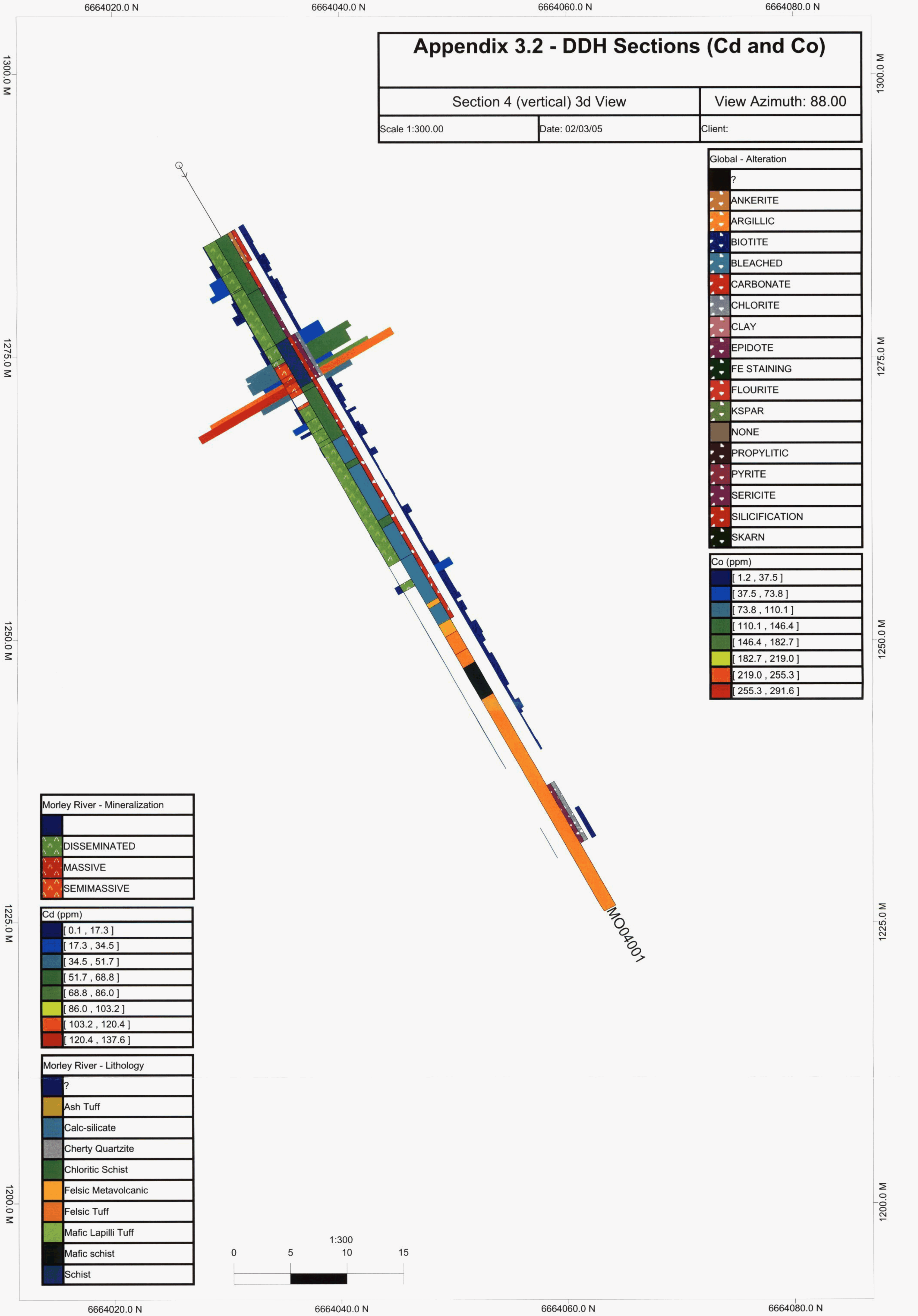
Appendix III

Diamond Drill Logs and Sections
3.1 DDH Plan view
3.2 Section A – M04001
Section B – M04002
3.3 Diamond Drill Logs

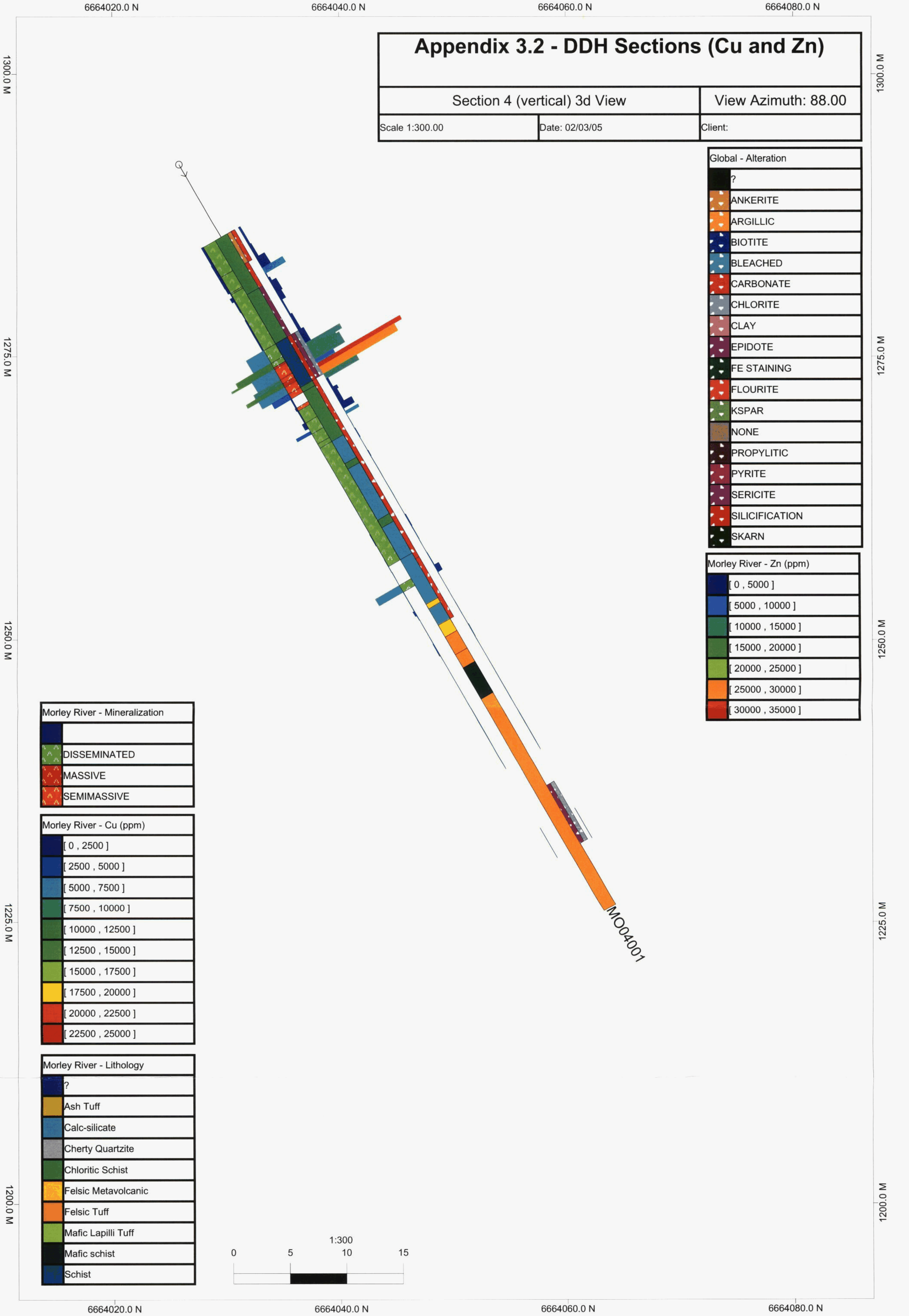


Kobex Resources Ltd./
Almaden Minerals Ltd.
Morley River Property
Appendix 3.1 - DDH Plan
0
100
200
300
Meters
N
A1 Anomaly
Discovery Horizon
Discovery Zone
MO04001
MO04002
2300E
2400E
2500E
2600E
2700E
2800E
2900E
3000E
3100E
Base Line (2300N)
IP Survey Results
Chargeability Anomaly
Resistivity Anomaly
Strong VLF Anomaly
Weak VLF Anomaly
DDH Locations
DDH Completed 2004


Appendix 3.2 - DDH Sections (Au and Ag)
Section 4 (vertical) 3d View
View Azimuth: 88.00
Scale 1:300.00
Date: 02/03/05
Client:
6664020.0 N
6664040.0 N
6664060.0 N
6664080.0 N
1300.0 M
1275.0 M
1250.0 M
1225.0 M
1200.0 M
MO04001
Global - Alteration
?
ANKERITE
ARGILLIC
BIOTITE
BLEACHED
CARBONATE
CHLORITE
CLAY
EPIDOTE
FE STAINING
FLOURITE
KSPAR
NONE
PROPYLITIC
PYRITE
SERICITE
SILICIFICATION
SKARN
Ag (ppm)
[0.1 , 15.2]
[15.2 , 30.3]
[30.3 , 45.4]
[45.4 , 60.5]
[60.5 , 75.7]
[75.7 , 90.8]
[90.8 , 105.9]
[105.9 , 121.0]
Morley River - Mineralization
DISSEMINATED
MASSIVE
SEMIMASSIVE
Au (ppb)
[1 , 159]
[159 , 318]
[318 , 477]
[477 , 635]
[635 , 794]
[794 , 953]
[953 , 1111]
[1111 , 1270]
Morley River - Lithology
?
Ash Tuff
Calc-silicate
Cherty Quartzite
Chloritic Schist
Felsic Metavolcanic
Felsic Tuff
Mafic Lapilli Tuff
Mafic schist
Schist
1:300
0
5
10
15



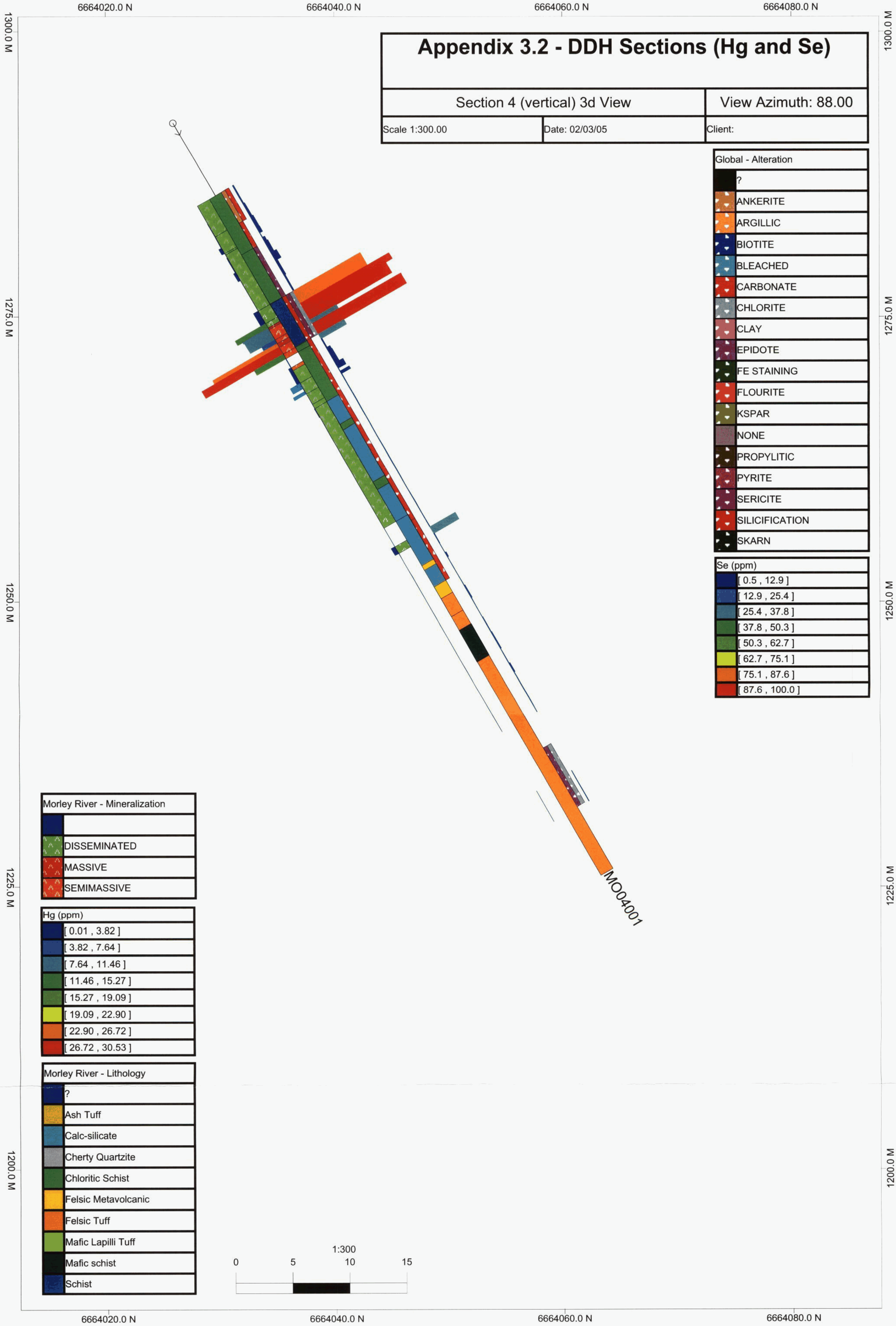
Appendix 3.2 - DDH Sections (Cd and Co)
Section 4 (vertical) 3d View
View Azimuth: 88.00
Scale 1:300.00
Date: 02/03/05
Client:
6664020.0 N
6664040.0 N
6664060.0 N
6664080.0 N
1300.0 M
1275.0 M
1250.0 M
1225.0 M
1200.0 M
Global - Alteration
?
ANKERITE
ARGILLIC
BIOTITE
BLEACHED
CARBONATE
CHLORITE
CLAY
EPIDOTE
FE STAINING
FLOURITE
KSPAR
NONE
PROPYLITIC
PYRITE
SERICITE
SILICIFICATION
SKARN
Co (ppm)
[1.2 , 37.5]
[37.5 , 73.8]
[73.8 , 110.1]
[110.1 , 146.4]
[146.4 , 182.7]
[182.7 , 219.0]
[219.0 , 255.3]
[255.3 , 291.6]
MO04001
Morley River - Mineralization
DISSEMINATED
MASSIVE
SEMIMASSIVE
Cd (ppm)
[0.1 , 17.3]
[17.3 , 34.5]
[34.5 , 51.7]
[51.7 , 68.8]
[68.8 , 86.0]
[86.0 , 103.2]
[103.2 , 120.4]
[120.4 , 137.6]
Morley River - Lithology
?
Ash Tuff
Calc-silicate
Cherty Quartzite
Chloritic Schist
Felsic Metavolcanic
Felsic Tuff
Mafic Lapilli Tuff
Mafic schist
Schist
1:300
0
5
10
15



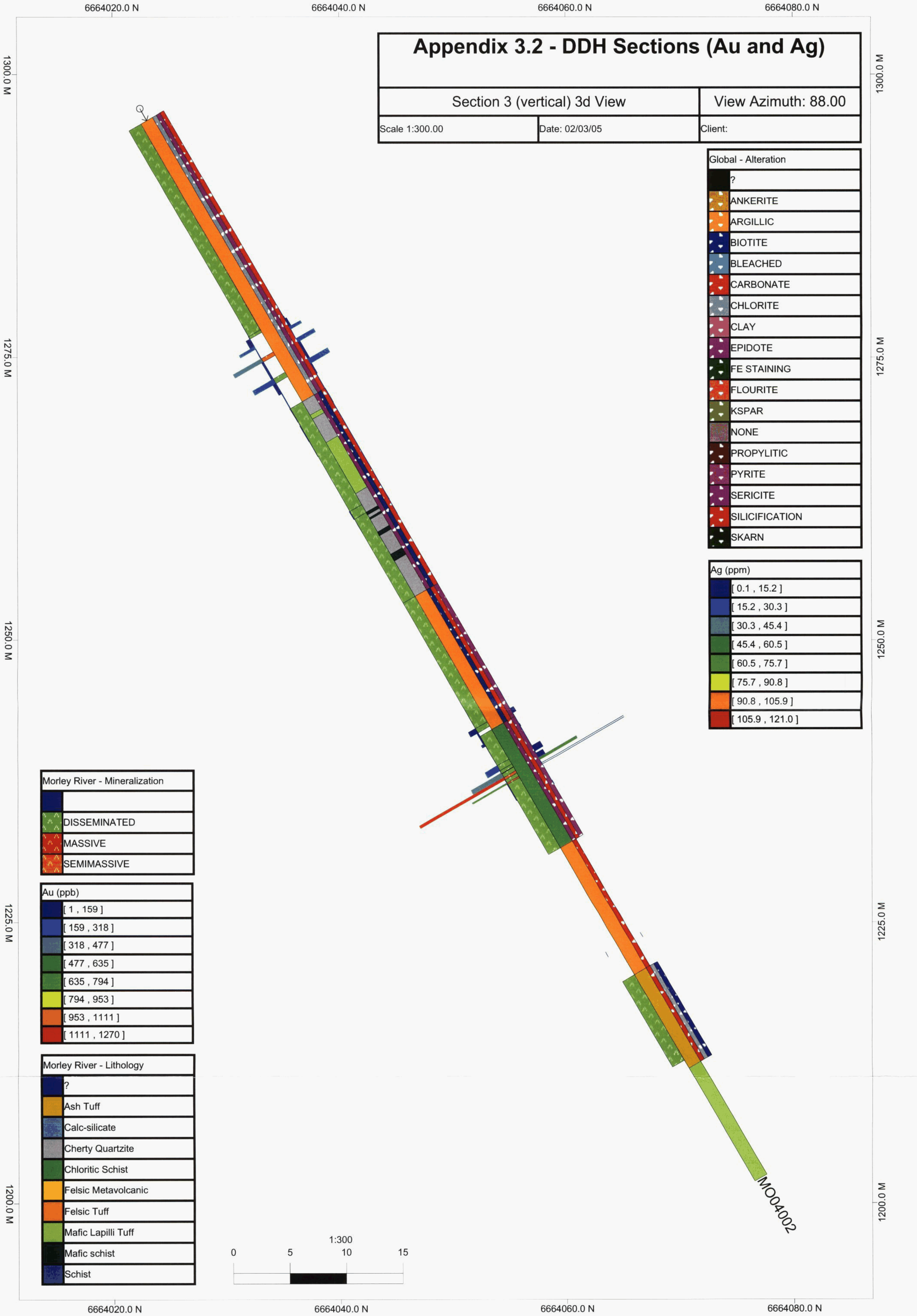
Appendix 3.2 - DDH Sections (Cu and Zn)
Section 4 (vertical) 3d View
View Azimuth: 88.00
Scale 1:300.00
Date: 02/03/05
Client:
6664020.0 N
6664040.0 N
6664060.0 N
6664080.0 N
1300.0 M
1275.0 M
1250.0 M
1225.0 M
1200.0 M
MO04001
Global - Alteration
?
ANKERITE
ARGILLIC
BIOTITE
BLEACHED
CARBONATE
CHLORITE
CLAY
EPIDOTE
FE STAINING
FLOURITE
KSPAR
NONE
PROPYLITIC
PYRITE
SERICITE
SILICIFICATION
SKARN
Morley River - Zn (ppm)
[0 , 5000]
[5000 , 10000]
[10000 , 15000]
[15000 , 20000]
[20000 , 25000]
[25000 , 30000]
[30000 , 35000]
Morley River - Mineralization
DISSEMINATED
MASSIVE
SEMIMASSIVE
Morley River - Cu (ppm)
[0 , 2500]
[2500 , 5000]
[5000 , 7500]
[7500 , 10000]
[10000 , 12500]
[12500 , 15000]
[15000 , 17500]
[17500 , 20000]
[20000 , 22500]
[22500 , 25000]
Morley River - Lithology
?
Ash Tuff
Calc-silicate
Cherty Quartzite
Chloritic Schist
Felsic Metavolcanic
Felsic Tuff
Mafic Lapilli Tuff
Mafic schist
Schist
1:300
0
5
10
15

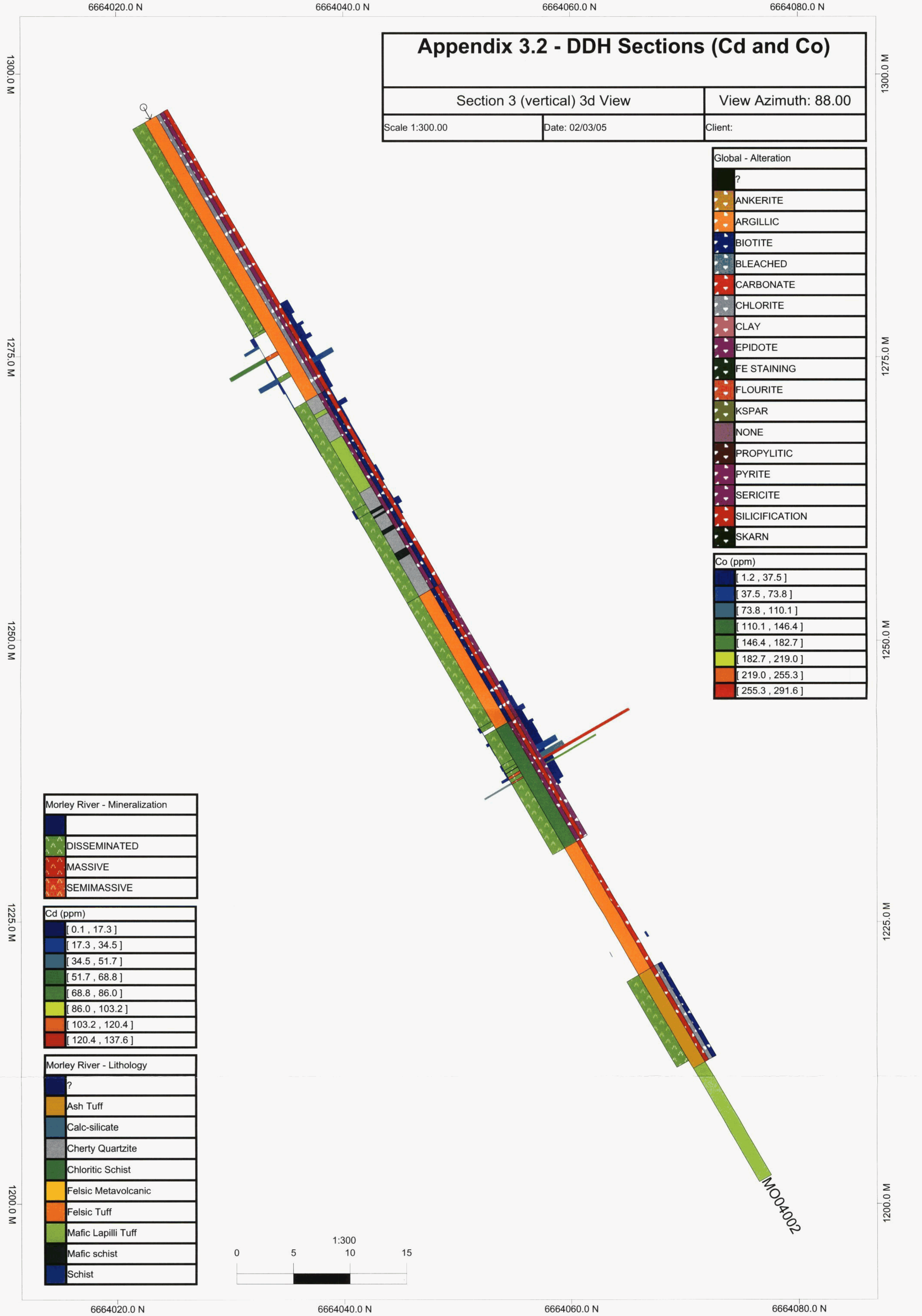
Appendix 3.2 - DDH Sections (Hg and Se)

Section 4 (vertical) 3d View		View Azimuth: 88.00
Scale 1:300.00	Date: 02/03/05	Client:



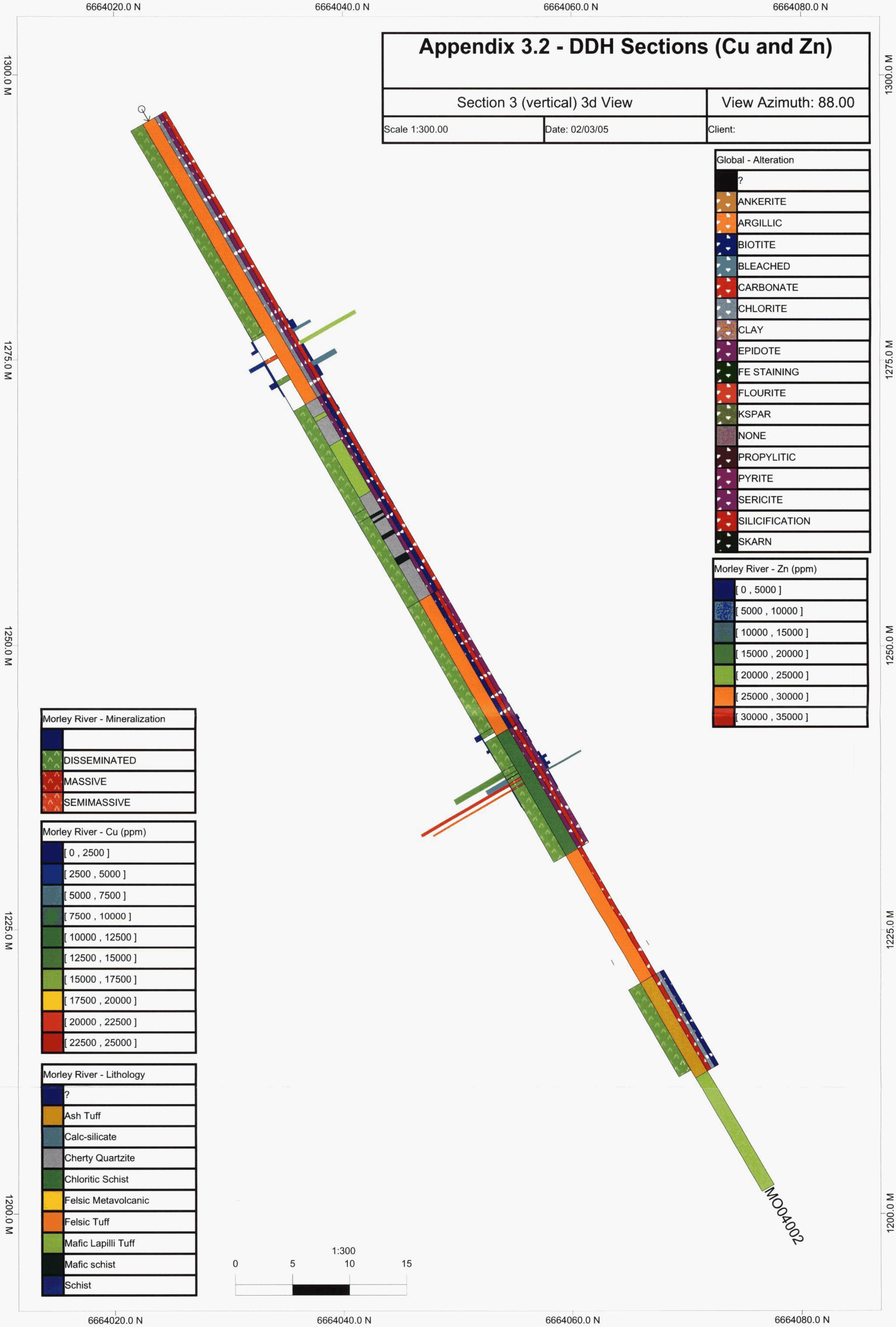
Appendix 3.2 - DDH Sections (Au and Ag)

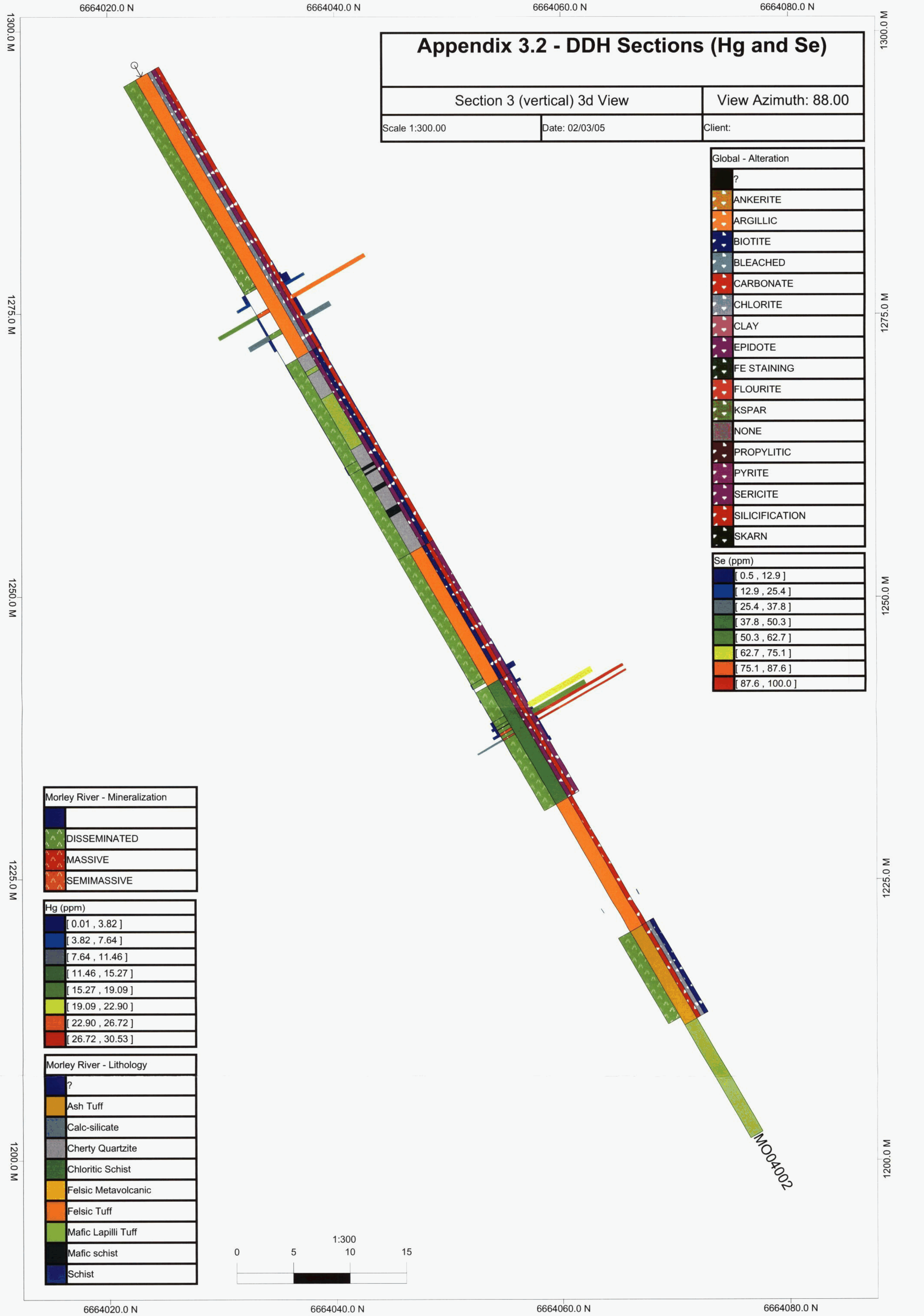




Appendix 3.2 - DDH Sections (Cd and Co)
Section 3 (vertical) 3d View
View Azimuth: 88.00
Scale 1:300.00
Date: 02/03/05
Client:
6664020.0 N
6664040.0 N
6664060.0 N
6664080.0 N
1300.0 M
1275.0 M
1250.0 M
1225.0 M
1200.0 M
Global - Alteration
?
ANKERITE
ARGILLIC
BIOTITE
BLEACHED
CARBONATE
CHLORITE
CLAY
EPIDOTE
FE STAINING
FLOURITE
KSPAR
NONE
PROPYLITIC
PYRITE
SERICITE
SILICIFICATION
SKARN
Co (ppm)
[1.2 , 37.5]
[37.5 , 73.8]
[73.8 , 110.1]
[110.1 , 146.4]
[146.4 , 182.7]
[182.7 , 219.0]
[219.0 , 255.3]
[255.3 , 291.6]
Morley River - Mineralization
DISSEMINATED
MASSIVE
SEMIMASSIVE
Cd (ppm)
[0.1 , 17.3]
[17.3 , 34.5]
[34.5 , 51.7]
[51.7 , 68.8]
[68.8 , 86.0]
[86.0 , 103.2]
[103.2 , 120.4]
[120.4 , 137.6]
Morley River - Lithology
?
Ash Tuff
Calc-silicate
Cherty Quartzite
Chloritic Schist
Felsic Metavolcanic
Felsic Tuff
Mafic Lapilli Tuff
Mafic schist
Schist
1:300
0 5 10 15
MO04002

Appendix 3.2 - DDH Sections (Cu and Zn)




Appendix 3.2 - DDH Sections (Hg and Se)
Section 3 (vertical) 3d View
View Azimuth: 88.00
Scale 1:300.00
Date: 02/03/05
Client:
Global - Alteration
?
ANKERITE
ARGILLIC
BIOTITE
BLEACHED
CARBONATE
CHLORITE
CLAY
EPIDOTE
FE STAINING
FLOURITE
KSPAR
NONE
PROPYLITIC
PYRITE
SERICITE
SILICIFICATION
SKARN
Se (ppm)
[0.5 , 12.9]
[12.9 , 25.4]
[25.4 , 37.8]
[37.8 , 50.3]
[50.3 , 62.7]
[62.7 , 75.1]
[75.1 , 87.6]
[87.6 , 100.0]
Morley River - Mineralization
DISSEMINATED
MASSIVE
SEMIMASSIVE
Hg (ppm)
[0.01 , 3.82]
[3.82 , 7.64]
[7.64 , 11.46]
[11.46 , 15.27]
[15.27 , 19.09]
[19.09 , 22.90]
[22.90 , 26.72]
[26.72 , 30.53]
Morley River - Lithology
?
Ash Tuff
Calc-silicate
Cherty Quartzite
Chloritic Schist
Felsic Metavolcanic
Felsic Tuff
Mafic Lapilli Tuff
Mafic schist
Schist
MO04002
1:300
0
5
10
15
6664020.0 N
6664040.0 N
6664060.0 N
6664080.0 N
1300.0 M
1275.0 M
1250.0 M
1225.0 M
1200.0 M

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04001	75.9	358	60	661802	6664024	1292	COMPLETE	15/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Alteration 1	Degree	Alteration 2	Degree	Alteration 3	Degree	Note:
7.4	10.5	ANKERITE	2	CARBONATE	1			
10.5	13	CARBONATE	1					
13	18	SERICITE	2					
18	22.4	SILICIFICATION	3	SERICITE	3	CHLORITE	2	gen'l well sil'd;perv. ser flood.
22.4	40.6	CARBONATE	1					
40.6	46.7	CARBONATE	3					sharp incr in carb content; occurs across bedding contact in crenulated section; no distinct lithology change noted; mafic units gen'l more reactive.
63.7	69.65	SERICITE	3	CHLORITE	1			more sericitic interval; same felsic tuff as above, but with well developed crenulation banding; chloritic.

Appendix 3.3.1 - Alteration Log

DDH Hole Number	*DDH Length (m)*	*DDH Azimuth (Deg)*	*DDH Dip (+ Down)*	*DDH Easting (NAD83)*	*DDH Northing (NAD83)*	*DDH Elevation (m)*	*DDH Status*	*Date Complete*	*Project Geologist*
MO04002	109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.

From (m)	*To (m)*	*Alteration 1*	*Degree*	*Alteration 2*	*Degree*	*Alteration 3*	*Degree*	*Note:*
1.2	29.6	CHLORITE	2	SERICITE	1	SILICIFICATION	3	rare epidote spotting.
29.6	49.5	SERICITE	2	BIOTITE	1	SILICIFICATION	3	local perv ser flood.
49.5	63.1	BIOTITE	2	SILICIFICATION	3	SERICITE	2	local weak epidote flood/spotting.
63.1	75.2	SERICITE	1	SILICIFICATION	2	EPIDOTE	1	
75.2	88.2	SILICIFICATION	2					
88.2	97.8	SILICIFICATION	3	CHLORITE	3	BIOTITE	1	

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04001	75.9	358	60	661802	6664024	1292	COMPLETE	15/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Map Unit	Major Rock Type	Minor Rock Type	Primary Colour	Secondary Colour	Grainsize	Prim. Texture	Sec. Texture	Notes:
7.4	40		Chloritic Schist		green		fine-medium			Rusty fract to 10.5m; Quartz sericite schist 10.5m - 12.15m/ptygmatic folding.
13	18		Chloritic Schist	Mafic schist	green	dark	fine-medium	schistose	ptygmatic folds	Well developed ptyg folding in part;qtz occurs in augens; ser content incr; rock becomes more competent/less fract at 14.5m.
18	22.4		Schist	Chloritic Schist	grey	green	fine-medium			qtz ser schist / Sulphide Zone increase in ser content - decr in chl; local qtz stringers est. 4% qtz overall; py incr with central zone from 19.3m - 22.4m est. 60% py with local cpy; massive zones typically have internal clasts of chl schist.
22.4	22.9		Chloritic Schist		green	grey	fine	schistose		chl. schist; mod ser.
22.9	40		Chloritic Schist	Schist	greenish	grey	fine-medium	schistose		interbdded chl schist and qtz-ser-chl schist; 30% chl / 70% qtz-ser-chl.
27.9	49.7		Calc-silicate							possible metaintrusive; coarser grained, larger felsic clasts; str sil'd; distinct from mafic/felsic tuff unit below-poorly bedded; qtz is poss. meta veins; interbedded felsic/mafic units - mafics host qtz veins.
30.2	30.75		Chloritic Schist		green		fine			chl schist with 20% large qtz repl bodies/eyes; barren.
36	36.75		Chloritic Schist		green		fine	schistose		thin lam chl/ser schist; single qtz eye/qtz bnd @ 36.55m.
44.55	45		Felsic Metavolcan		grey	green	fine-medium			vuggy metamorphosed, crenulated felsic intrusive - felsic volcanic; str sil'd; vugs p'll to crenulations; upper /lower contacts sharp suggesting intrusive origin.
46.7	47.9		Felsic Metavolcan		grey	greenish	fine-medium	wavy bedded		str. sil'd felsic intrusive; 6% diss py; low angle crenulation throughout; core from 47.1m - 47.2m is qtz. assoc with low angle crenulation, poss shear o/p.
47.9	75.9		Felsic Tuff		grey	greenish	fine-medium	laminated		thin laminated felsic tuff; lam 80 - 90 deg tca; weak epidote spotting; weakly sericitic; from 51.1m - 54.25m is.dk green mafic unit,as seen above.

Appendix 3.3.2 - Lithology Log

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04001	75.9	358	60	661802	6664024	1292	COMPLETE	15/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Map Unit	Major Rock Type	Minor Rock Type	Primary Colour	Secondary Colour	Grainsize	Prim. Texture	Sec. Texture	Notes:
51.1	54.25		Mafic schist		green					

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04002	109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Map Unit	Major Rock Type	Minor Rock Type	Primary Colour	Secondary Colour	Grainsize	Prim. Texture	Sec. Texture	Notes:
1.2	29.6		Felsic Tuff	Felsic Metavolcan	greenish	grey	fine-medium	laminated		TUFF same unit as in hw/fw of M01; probably a meta felsic to mafic volcanic package, poss with local intrusions; lam 90 deg tca with frequent local well dev cren; 3-5% diss py; local qtz vns p'll to lam;15% plag.
29.6	49.5		Cherty Quartzite	Mafic schist	grey	brownish	fine-medium	laminated		distinct lith; laminated cherty quartzite wirh bt schist interbeds; bleached, sil'd, chert occurs as alt'n and as rare ribbons; tr-1% diss py with rare gal/cpy; biotite schist occurs as conformable beds; local perv sericite flood.
31	31.4		Mafic Lapilli Tuff	Mafic schist	brown		fine	schistose		Biotite schist.
33.8	39		Mafic Lapilli Tuff	Mafic schist	brown		fine	schistose		Biotite schist.
40.9	41.15		Mafic schist	Mafic schist	brown		fine	schistose		Biotite schist.
41.46	41.6		Mafic schist	Mafic schist	brown		fine	schistose		Biotite schist.
42.9	43.25		Mafic schist	Mafic schist	brown		fine	schistose		Biotite schist.
45.2	45.85		Mafic schist	Mafic schist	brown		fine	schistose		Biotite schist.
49.5	63.1		Felsic Tuff	Mafic Tuff	grey	brown	fine-medium	fragmental	laminated	TUFF - wide variety of textures from thin lam to large fragmental lapilli features; 30% each plag/qtz with acc. biot/chl/ser; same unit as from 1.2m - 29.6m; 2 - 3% diss pyr; str sil'd.
63.1	75.2		Chloritic Schist	Felsic Tuff	grey	green	fine-medium	laminated		chl-qtz-biot-plag schist; well lam 90 deg tca; weak to mod ser/silica alt'n;10% crser tuffaceous interbeds; 2-3% diss py; locally bleached.
75.2	88.2		Felsic Tuff		grey	grey green	fine-medium	lapilli-tuff	laminated	laminated/bedded @ 80- 90 deg tca; bedding planes defined by chl/biot fol'n; 1-2% diss py; rare sericite; local epidote spotting; becomes finer grained toward lower contact.
88.2	97.8		Ash Tuff	Felsic Tuff	greenish	grey	fine	laminated		fine grained, well laminated/bedded @ 80 deg tca; well sil'd with cherty interbeds becoming more sil'd/cherty toward lower contact; unit is competent-not many fractures.

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04002	109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Map Unit	Major Rock Type	Minor Rock Type	Primary Colour	Secondary Colour	Grainsize	Prim. Texture	Sec. Texture	Notes:
97.8	109.4		Mafic Lapilli Tuff	Hornfels	brown	grey	fine-medium	lapilli-tuff	schistose	biotite rich tuff ; 20% small lapilli/fragments gen'l repl with plag; local plag veining; unit is competent; 1% finely diss py; biot flood may represent hornfels type alt'n.

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04001	75.9	358	60	661802	6664024	1292	COMPLETE	15/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Mineralization Style	Mineralization 1	%	Mineralization 2	%	Mineralization 3	%	Notes:
7.4	10.5	DISSEMINATED	pyrite	3					
10.5	12.15	DISSEMINATED	pyrite	10					
12.15	12.3	DISSEMINATED	pyrite	25					rusty in places along xtal boundaries.
12.3	18	DISSEMINATED	pyrite	5					
18	19.3	DISSEMINATED	pyrite	15	chalcopyrite	1			tr. Cpy.
19.3	19.75	DISSEMINATED	pyrite	30					
19.75	19.9	MASSIVE	pyrite	80					mass. sulp. bands/repl p'll to scistosty 70-80 deg tca.
19.9	20.95	SEMIMASSIVE	pyrite	50	chalcopyrite	1			bands of massive pyrite with nice cpy in places.
20.95	21.35	SEMIMASSIVE	pyrite		chalcopyrite	1	quartz	25	
21.35	21.7	MASSIVE	pyrite	85	chalcopyrite	1			Internal clasts of chl / ser.
21.7	22.4	SEMIMASSIVE	pyrite	40	chalcopyrite	1	sphalerite	4	bands of mass. py in chl/ser schist; sulph have brown tinge in part-possible sph.
22.4	22.9	SEMIMASSIVE	pyrite	25	quartz	5			mass. pyrite bands p'll to fol'n 80 deg tca.
23.8	24.1	SEMIMASSIVE	pyrite						mass py bands in chl/ser schist;bands p'll to local schistosity 80-90 deg tca.
24.1	25.35	DISSEMINATED	pyrite	4					
25.35	26.45	DISSEMINATED	pyrite	20	quartz	5			0.3 - 0.5 cm width pyrite bands p'll to local schistosity - 80 deg tca; local small scale ptygmatic folding.
26.45	27.5	DISSEMINATED	pyrite	4		0		0	
27.5	27.9	DISSEMINATED	pyrite	5	quartz	30			qtz flood/shear from 27.5m - 27.6m; sharp uppr cont. with chl-ser-qtz schist @ 80 deg tca; from 27.6m - 27.9m is chl cist with qtz eyes.
27.9	40	DISSEMINATED	pyrite	4		0		0	
41.9	42.6	DISSEMINATED	pyrite	15					42.0m - 42.15m: 30% coarse pyrite grading downhole to 5-8% finer grained diss pyr; last significant pyrite intersection.

Appendix 3.3.3 - Mineralization

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04002	109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Mineralization Style	Mineralization 1	%	Mineralization 2	%	Mineralization 3	%	Notes:
1.2	22.25	DISSEMINATED	pyrite	3					
22.25	22.5	DISSEMINATED	pyrite	8					med-crse grained.
24.5	24.85	SEMIMASSIVE	pyrite	60	quartz	30			heavily pyritized interval; 60% fine-med-crse pyrite in str sil'd host; str chl flood along margins +/- sericite; contacts of min sharp, p'll to local lam.
26.6	27.05	DISSEMINATED	pyrite	15	quartz	20			pyrite occurs as fine-coarse diss and in 2 massive 2 cm width bands p'll to lam - 80 deg tca.
29.6	40.1	DISSEMINATED	pyrite	2					
40.1	40.9	DISSEMINATED	chalcopyrite	1	galena	1			
40.9	49.5	DISSEMINATED	pyrite	2		0		0	
49.5	62.3	DISSEMINATED	pyrite	2					
62.3	62.75	DISSEMINATED	pyrite						20% fine-crse gr py in coarse meta tuff with 30% qtz veining/flood.
63.1	66.12	DISSEMINATED	pyrite	3					
66.12	66.63	DISSEMINATED	chalcopyrite	5	pyrite	10			diss cpy in sl'd chl schist; est 5% in fine to med diss, often with pyrite rims; core of inteval is quartz vein/shear with coarse cpy diss along margins; lower contact is bddng p'll 2cm.width semimassive pyrite band.
66.63	66.9	DISSEMINATED	pyrite	3		0		0	
66.9	66.95	SEMIMASSIVE	pyrite	40	chalcopyrite	3			semimassive pyrite band with 3% diss cpy; 30% qtz.
66.95	67.3	DISSEMINATED	pyrite	3		0		0	
67.3	67.52	SEMIMASSIVE	pyrite	30	chalcopyrite	10			semimassive pyrite /chalcopyrite band; contacts p'll to local bedding - 80 deg tca; py/cpy occur together.
67.52	67.86	DISSEMINATED	pyrite	3		0		0	
67.86	68	SEMIMASSIVE	pyrite	70	chalcopyrite	5			MASSIVE/SEMIMASSIVE SULPHIDE; 70% pyrite / 5% cpy in massive/semi massive bedding p'll band 90 deg tca; upper contact sharp, lower somewhat gradational.
68	75.2	DISSEMINATED	pyrite	3		0		0	
88.2	97	DISSEMINATED	pyrite	2					

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04001	75.9	358	60	661802	6664024	1292	COMPLETE	15/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Deformation	Angle (to CA)	Mineralogy 1	%	Mineralogy 2	%	Mineralogy 3	%	Alteration 1	Deg	Alteration 2	Deg	Alteration 3	Deg	Gauge	Clay	Oxidized	Clean	Note:
10.5	12.15			quartz	20															
20.95	21.35	Ductile		pyrite		chalcopyrite														Qtz shear with py, cpy, chl; locally vuggy; str. chl. Flood.
55.45	55.75	Transitional	90													3	2	2	2	fault; fine sericitic crush mixed with clay; weak yellow oxide develoed in places; contacts sharp p'll to local foln; 90 deg tca.

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04002	109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Deformation	Angle (to CA)	Mineralogy 1	%	Mineralogy 2	%	Mineralogy 3	%	Alteration 1	Deg	Alteration 2	Deg	Alteration 3	Deg	Gauge	Clay	Oxidized	Clean	Note:
22.25	22.5	Ductile		quartz	80	pyrite	8			SILICIFICATION	4	CHLORITE	2	SERICITE	1					strongly deformed qtz vein with 8% med-crse pyr diss; contacts sharp at high angle tca.
23.3	23.55	Ductile		quartz		pyrite	10			CLAY	2	SILICIFICATION	3							qtz shear with 1.5cm internal band of fine rusty crush; qtz is vuggy, grey, chl alt'n along margins; upper contact has med-crse gr diss py..
45.55	45.6	Ductile	80							CLAY	4					4	4	4	4	
60.7	61.16	Transitional	0							BIOTITE	2	CHLORITE	3							
71.1	71.3	Ductile	80							CLAY	4					4				FAULT/GOUGE.

Appendix 3.3.5 - Structural Log

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04001	75.9	358	60	661802	6664024	1292	COMPLETE	15/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Structural Measurement	Angle (to CA)	Note:
7.4	40	bedding (upright)	80	
10.5	10.7	crenulation lineation		
36.75	37.9	crenulation lineation		
42.6	45	crenulation lineation		
43.8	44.1	compositional layering	80	
55.45	55.75	fault plane		

Appendix 3.3.5 - Structural Log

DDH Hole Number	*DDH Length (m)*	*DDH Azimuth (Deg)*	*DDH Dip (+ Down)*	*DDH Easting (NAD83)*	*DDH Northing (NAD83)*	*DDH Elevation (m)*	*DDH Status*	*Date Complete*	*Project Geologist*
MO04002	109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.

From (m)	*To (m)*	*Structural Measurement*	*Angle (to CA)*	*Note:*
13.8	14	compositional layering	90	
29.6	49.5	bedding (upright)	85	
49.5	63.1	bedding (upright)	85	
60.85	67.52	bedding (upright)	83	

Appendix 3.3.6 - Veining Log

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04001	75.9	358	60	661802	6664024	1292	COMPLETE	15/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Average Width (cm)	Number	Density (/m)	Angle (to CA)	Colour	Grainsize	Primary Texture	Mineralogy 1	Mineralogy 2	Mineralogy 3	Sulphides 1	%	Sulphides 2	%	Sulphides 3	%	Alteration Setting	Alteration 1	Alteration 2	Alteration 3	Note:
30.3	30.3	2	1		90	grey	fine	FRACTURED	Quartz									ENVELOPE	CHLORITE	SERICITE		
30.5	30.5	3	1		90	grey	fine	FRACTURED	Quartz													
34.2	34.3	1	2		80	grey	fine	FRACTURED	Quartz									ENVELOPE	CHLORITE	SERICITE		
36.1	36.1	2	1		80	grey	fine	FRACTURED	Quartz													
39.6	39.7	2	2		70	grey	fine	MASSIVE	Quartz									FOOT	CHLORITE	SERICITE		
41.4	41.45	5	1			grey	fine	VUGGED	Quartz									ENVELOPE	CHLORITE	SERICITE		
43.6	43.6	2	1		80	grey	fine	MASSIVE	Quartz	Plag		pyrite	2					ENVELOPE	CHLORITE	SERICITE		
45.3	45.3	2	1		80	grey	fine	MASSIVE	Quartz									ENVELOPE	CHLORITE	SERICITE		
45.75	45.75	1	1		90	grey	fine	MASSIVE	Quartz									ENVELOPE	CHLORITE	SERICITE		
47.1	47.2	3	1			grey	fine	SHEARED	Quartz									ENVELOPE	CHLORITE	SERICITE		
47.95	47.95	2.5	1			grey	fine	MASSIVE	Quartz			chalcopyrite	2					ENVELOPE	CHLORITE	SERICITE		
48.2	48.2	2	1			grey	fine	MASSIVE	Quartz									ENVELOPE	CHLORITE	SERICITE		
48.47	48.47	1	1			grey	fine	MASSIVE	Quartz									ENVELOPE	CHLORITE	SERICITE		
48.7	48.8	1.5	1			grey	fine	DRUSY	Quartz													
48.9	49	2	1			grey	fine	MASSIVE	Quartz									ENVELOPE	CHLORITE	SERICITE		
49.15	49.15	1.5	1			grey	fine	MASSIVE	Quartz									ENVELOPE	CHLORITE	SERICITE		
56.65	57	2	3		80	grey	fine	VUGGED	Quartz									ENVELOPE	CHLORITE	SERICITE		
69.69	69.75	0.6	1			grey	fine	MASSIVE	Quartz													

Appendix 3.3.6 - Veining Log

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04002	109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.

From (m)	To (m)	Average Width (cm)	Number	Density (/m)	Angle (to CA)	Colour	Grainsize	Primary Texture	Mineralogy 1	Mineralogy 2	Mineralogy 3	Sulphides 1	%	Sulphides 2	%	Sulphides 3	%	Alteration Setting	Alteration 1	Alteration 2	Alteration 3	Note:
8.6	8.6	2	1		70	grey	fine	FRACTURED	Quartz									ENVELOPE	CHLORITE	SERICITE		
13.6	13.6	1	1		90	grey	fine	VUGGED	Quartz													
14.6	14.6	2.5	1		80	grey	fine	VUGGED	Quartz										CHLORITE			
21.45	21.45	2	1			grey	fine	VUGGED	Quartz									ENVELOPE	CHLORITE			
23.4	23.5	10	1			grey	fine	VUGGED	Quartz			pyrite	4					ENVELOPE	CHLORITE	ILICIFICATIO	SERICITE	
24.15	24.15	3	1			grey	fine	MASSIVE	Quartz									ENVELOPE	CHLORITE	SERICITE		
24.9	24.9	1.5	1		90	grey	fine	FRACTURED	Quartz									ENVELOPE	CHLORITE	SERICITE		
26.6	27.05	1	5			grey	fine	VUGGED	Quartz									ENVELOPE	BIOTITE	CHLORITE	SERICITE	
60.7	61.16	10	1		0	grey	fine	VUGGED	Quartz	Chlorite	Biotite	pyrite	1									
85.2	85.7	50	1		70	grey	fine	FRACTURED	Quartz	Chlorite		galena	1	pyrite	2							

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04001	75.9	358	60	661802	6664024	1292	COMPLETE	15/08/2004	Chuck Downie, P. Geo.

Sample Number	From (m)	To (m)	Sample Length (m)	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	S %	Ga ppm	Se ppm	Tl ppm
M0401-001	7.4	9.2	1.8	0.7	615.1	56	715	0.3	11.7	17.7	499	5.45	6.2	1.1	7.4	2.5	4	1.7	0.2	0.3	68	0.12	0.062	4	18.3	2.22	92	0.036	1	2.5	0.017	0.23	0.1	0.01	7.1	0.67	7	1.1	0.3
M0401-002	9.2	10.5	1.3	1.8	747.3	333.9	1083	3.1	8.3	13.7	336	3.47	7.3	1.2	34.7	5.4	4	6.8	0.2	5.4	39	0.09	0.037	10	9.6	1.64	69	0.016	1	2.23	0.028	0.22	0.1	0.2	4.7	0.92	5	2.3	0.6
M0401-003	10.5	11.6	1.1	0.8	706.8	543.6	3462	6.1	12.1	27.4	794	4.75	6.6	1.3	99.1	3.9	4	19.5	0.4	11.8	39	0.17	0.046	7	11.4	1.82	46	0.018	1	2.18	0.02	0.24	0.1	0.18	5.9	1.58	6	3.2	0.8
M0401-004	11.6	12.15	0.55	2.9	664.5	320.5	8142	2.5	10.6	22.9	1395	5.46	6.1	1.1	84.9	3.7	4	28.9	0.5	4	18	0.25	0.041	8	6.6	0.98	57	0.007	1	1.15	0.021	0.19	0.1	1.09	4.1	2.22	3	3.5	0.5
M0401-005	12.15	12.6	0.45	0.7	210.4	263.7	301	0.2	1.7	6	144	1.93	3.3	0.6	3.4	3.4	4	1	0.2	0.5	16	0.11	0.045	8	5.5	0.87	176	0.004	1	1.41	0.029	0.14	0.1	0.07	4.6	0.35	4	0.5	0.5
M0401-006	12.6	13	0.4	2.3	837.3	343.4	716	2.9	5.9	13.6	172	3.05	5.7	0.8	70.3	3.2	4	2.4	0.4	4.9	24	0.11	0.042	5	10.7	1.13	36	0.005	1	1.59	0.024	0.11	0.1	0.34	5	1.43	4	2.9	0.6
M0401-007	13	14.1	1.1	0.3	396.3	74.2	2429	0.8	3.3	23.3	862	6.39	7.2	0.6	51.7	1.2	4	6.1	0.4	1.3	127	0.2	0.062	4	6	3.17	74	0.023	1	3.5	0.017	0.19	0.1	0.34	8.8	1.04	10	3.8	0.9
M0401-008	14.1	14.9	0.8000000	0.3	207.9	198.4	1937	1.2	2.7	20.1	665	5.99	5.9	0.7	60	1.1	4	14.5	0.6	2.3	115	0.17	0.053	3	4.5	2.92	68	0.021	1	3.21	0.014	0.2	0.1	0.85	7.4	1.41	9	6.5	1
M0401-009	14.9	16.4	1.5	0.1	407.4	34	570	0.7	1.9	11.3	519	4.07	11.4	0.8	20.2	2.8	4	1.4	0.6	0.9	23	0.13	0.045	8	3.2	1.84	78	0.008	1	1.99	0.015	0.17	0.1	0.04	3	1.53	6	2.4	0.7
M0401-010	16.4	18	1.6	0.2	392.9	47.6	1095	0.4	1.3	10.5	806	2.88	10.5	0.7	13.3	3	4	3.8	0.5	0.8	17	0.18	0.055	8	2.6	1.64	134	0.005	2	1.83	0.014	0.17	0.1	0.02	2.4	0.66	5	1.6	0.6
M0401-011	18	19.3	1.3	14.8	5073.2	505.5	2015	10.1	5.5	67.5	41	11.3	62.4	0.9	530.7	5	2	6	9.6	20.3	2	0.08	0.021	5	1.9	0.09	8	0.002	3	0.37	0.013	0.21	0.1	1.92	0.7	10	1	75.6	0.9
M0401-012	19.3	19.75	0.45	1.2	10060	688	13300	28.7	8.4	141	113	24.5	116.9	1.1	838.6	2.7	1	41.2	10.7	50.1	3	0.03	0.01	5	2.8	0.31	5	0.004	1	0.5	0.006	0.15	0.2	12.14	0.8	10	2	100	0.9
M0401-013	19.75	19.9	0.15	1.4	12050	367.5	10700	15	10.5	143	74	32.2	58.9	2.8	20.9	0.7	1	37.2	0.6	26.1	13	0.02	0.002	2	6.2	0.14	6	0.002	1	0.28	0.001	0.01	0.4	10.16	0.7	10	3	100	0.2
M0401-014	19.9	20.95	1.05	4.9	6420	1928	11800	46.8	18.9	122	538	21.9	250	0.8	1270	1.7	10	43.5	41.1	96.6	29	0.3	0.012	2	15.1	1.39	7	0.007	1	1.27	0.007	0.11	0.2	9.72	3.2	10	5	92.5	1.2
M0401-015	20.95	21.35	0.4000000	3.8	7684.8	1467	7192	25.5	18	54	946	12.2	124.2	0.5	796.4	0.3	9	28	26.6	44.6	71	0.37	0.05	1	18.8	2.76	11	0.014	1	2.58	0.01	0.12	0.1	5.33	7.8	9.77	8	29.7	1.3
M0401-016	21.35	21.7	0.35	1.5	10450	889	32700	66.3	17	168	140	29.9	117.5	0.8	156.6	0.3	5	116.1	18	147.8	4	0.02	0.004	1	4.7	0.3	5	0.003	1	0.32	0.002	0.02	0.3	25.5	0.5	10	3	100	0.7
M0401-017	21.7	22.4	0.7	6.1	7420	2418	29700	83.1	14.6	241	393	22.8	134.1	1.2	680	1.4	11	137.6	31.5	230	23	0.08	0.029	2	9.2	1.22	7	0.014	1	1.16	0.004	0.12	0.1	30.53	2.3	10	7	100	2.3
M0401-018	22.4	22.9	0.5	3.2	4800	3546	13100	51	11.1	89.8	706	10.6	48.3	0.8	492.5	0.7	20	44.7	12.1	114.7	63	0.72	0.041	2	13.7	2.01	12	0.05	1	1.85	0.013	0.29	0.1	11.54	7	8.75	7	29	2.6
M0401-019	22.9	23.8	0.9000000	0.7	254.4	88.9	734	0.8	13.6	16.8	987	4.17	11	0.6	30.9	1.8	17	0.9	1.1	1.9	82	1.59	0.047	5	32.2	2.56	87	0.064	1	2.48	0.022	0.4	0.1	0.23	10.3	0.85	8	1.3	2.1
M0401-020	23.8	24.1	0.3	0.5	426.8	331.5	2187	4	22.3	32.2	1066	6.16	13.9	0.5	46.3	1.1	16	4.6	1.1	13.5	113	1.42	0.054	4	43.2	3.37	24	0.075	1	3.3	0.012	0.47	0.1	1.19	14.3	1.99	10	4.2	2.7
M0401-021	24.1	25.35	1.25	0.6	322.1	296.9	1562	3.5	5.5	19.9	423	3.28	6.3	0.7	9.1	2.5	15	4.3	0.6	8.7	32	0.52	0.035	6	10.8	1.38	41	0.07	2	1.43	0.03	0.43	0.1	1.27	4.3	1.4	6	4.4	1.8
M0401-022	25.35	25.9	0.55	3.6	979.3	2674	4517	11	4.5	11.3	124	4.01	24.3	1.5	136.9	5.2	4	20.7	15.2	4.4	12	0.18	0.028	7	3.3	0.45	23	0.024	1	0.67	0.012	0.29	0.1	4.08	1.5	4.09	2	9	0.9
M0401-023	25.9	26.2	0.3	0.2	17.3	16	158	0.1	2.2	5.2	440	2.11	4.2	0.5	2.5	2	14	0.1	0.7	0.1	19	0.63	0.03	5	3.9	1.22	548	0.091	1	1.38	0.023	0.77	0.1	0.17	3.1	0.17	5	0.5	3
M0401-024	26.2	26.45	0.25	1	4051.1	1370	5216	16.8	22.3	33.1	947	6.89	13.7	0.5	386.6	1.4	7	16.3	2	30.5	61	0.73	0.045	4	41.1	3.27	31	0.071	1	3.04	0.01	0.38	0.1	4.78	8	3.65	9	10.6	1.4
M0401-025	26.45	27.5	1.05	0.3	25.3	17.5	74	0.1	7.6	10.5	770	2.55	6	0.8	0.8	3.7	19	0.1	0.9	0.1	58	1.62	0.035	10	21.3	1.79	360	0.089	1	1.73	0.035	0.5	0.1	0.04	7.6	0.09	6	0.5	1.6
M0401-026	27.5	27.9	0.4	0.2	21.1	18.7	115	0.1	20.9	20.8	928	4.54	5.9	0.3	0.9	1	20	0.3	0.8	0.1	118	1.5	0.038	3	64.9	3.5	758	0.125	1	3.32	0.016	0.69	0.1	0.07	13.8	0.05	10	0.5	2.2
M0401-027	27.9	28.8	0.9000000	0.2	56.7	110.5	298	0.4	26.6	26.1	1163	4.99	10.7	0.3	5.2	0.7	36	1.2	1.2	0.3	148	2.52	0.053	3	63.4	3.62	510	0.144	1	3.48	0.016	0.68	0.1	0.27	18.3	0.26	11	0.5	2.1
M0401-028	28.8	30.2	1.4	2	16.3	10.2	69	0.1	5.6	7.2	503	1.97	5.3	0.5	1.6	2.4	15	0.1	0.7	0.1	27	0.95	0.039	5	14.1	1.22	361	0.088	1	1.23	0.018	0.61	0.1	0.06	4	0.24	4	0.5	1.4
M0401-029	30.2	30.75	0.55	0.8	14.3	6	210	0.1	27	24.9	1256	5.62	6.8	0.4	0.5	0.4	23	0.2	0.7	0.1	87	2.46	0.056	2	34.9	4.16	212	0.123	1	4.17	0.009	0.64	0.1	0.04	12.5	0.05	13	0.5	1.5
M0401-030	30.75	31.95	1.2	0.1	5.8	5.7	60	0.1	1.5	5.3	296	2.02	4.5	0.7	0.9	3.2	8	0.1	0.7	0.1	21	0.34	0.038	8	2.6	1.24	117	0.079	1	1.27	0.034	0.45	0.1	0.04	2.6	0.06	5	0.5	1
M0401-031	31.95	33.2	1.25	0.2	3.7	10	60	0.1	1.5	4.9	333	2.06	3.8	0.4	3.5	2.1	7	0.1	0.5	0.1	17	0.3	0.037	5	3.5	1.13	140	0.084	1	1.19	0.038	0.45	0.1	0.04	2.3	0.08	5	0.5	0.9
M0401-032	33.2	34.7	1.5	0.2	27.9	9.2	115	0.2	4.4	6.8	436	2.14	6	0.3	0.9	1.5	10	0.2	1	0.1	33	0.71	0.035	3	7.6	1.33	151	0.084	1	1.31	0.03	0.42	0.1	0.05	3	0.13	5	0.5	0.8
M0401-033	34.7	36	1.3	0.5	8.2	5.4	57	0.1	1.3	4.3	294	1.75	3.3	0.4	0.5	2	6	0.1	0.6	0.1	15	0.26	0.031	4	3.5	1.1	147	0.067	1	1.16	0.046	0.5	0.1	0.01	1.7	0.08	5	0.5	1
M0401-034	36	36.75	0.75	0.2	33.4	15.3	109	0.1	7.5	24.6	1236	4.91	6.9	0.1	2.7	0.2	21	0.2	0.7	0.1	139	2.27	0.07	1	6.5	3.15	315	0.166	1	3.05	0.015	1.31	0.1	0.01	6.2	0.13	9	0.5	2.1
M0401-035	36.75	37.9	1.15	1.9	181.8	24.9	288	0.6	9.2	10.7	744	3.01	6	0.2	13	1.6	9	0.6	0.9	0.3	48	0.94	0.043	3	15.4	1.8	219	0.098	1	1.79	0.028	0.77	0.1	0.04	5.3	0.54	7	0.6	1.2
M0401-036	37.9	39.3	1.4	1.2	63.7	16.4	123	0.2	5.6	10.8	600	2.67	7.2	0.3	0.9	1.4	12	0.2	1.2	0.1	49	1	0.038	3	8.1	1.5	317	0.103	1	1.56	0.035	0.67	0.1	0.02	3.6	0.18	6	0.5	0.9

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04001	75.9	358	60	661802	6664024	1292	COMPLETE	15/08/2004	Chuck Downie, P. Geo.

Sample Number	From (m)	To (m)	Sample Length (m)	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	S %	Ga ppm	Se ppm	Tl ppm
M0401-037	39.3	40.6	1.3	1.7	90.2	13.7	113	0.3	3.2	8.7	475	2.32	6.7	0.3	4.5	1.9	11	0.2	0.8	0.1	33	0.71	0.037	4	6.4	1.2	187	0.079	1	1.28	0.042	0.51	0.1	0.01	2.9	0.52	5	0.5	0.7
M0401-038	40.6	41.9	1.3	0.6	43.7	15.8	152	0.1	9.8	19.6	985	4.34	7.1	0.1	1.9	0.7	18	0.2	0.8	0.1	123	1.82	0.046	2	15.7	2.68	430	0.103	1	2.51	0.027	0.47	0.1	0.02	11.2	0.14	9	0.5	0.6
M0401-039	41.9	42.6	0.7000000	2.5	6860.9	550.5	1807	11.8	14.7	51.6	742	10.7	35	0.3	508.4	1.2	7	8.1	0.6	22.9	42	0.7	0.039	2	29.3	2.66	14	0.051	1	2.46	0.009	0.35	0.1	1.46	5.3	9.6	9	28.8	0.6
M0401-040	42.6	43.6	1	0.4	149.9	7.9	86	0.1	10.4	20.3	1019	4.67	6.7	0.2	5	1	21	0.1	0.2	0.3	96	1.74	0.062	3	22.1	2.91	300	0.041	1	2.62	0.024	0.27	0.1	0.02	11.3	0.35	9	0.7	0.4
M0401-041	43.6	44.55	0.95	0.4	103.4	6.8	73	0.1	9.1	20.1	1101	4.23	3.7	0.3	1.7	1.5	32	0.1	0.1	0.2	114	2.53	0.049	5	15.7	2.75	173	0.024	1	2.45	0.029	0.15	0.1	0.03	13.6	0.13	9	0.5	0.2
M0401-042	44.55	45	0.4500000	0.5	487.2	7	72	0.3	14.8	20.6	1006	4.11	4.1	0.2	5.2	1.3	25	0.1	0.2	0.4	84	2.31	0.042	4	32.1	2.67	197	0.02	1	2.38	0.019	0.17	0.1	0.03	10.3	0.31	8	1.4	0.2
M0401-043	45	45.45	0.4500000	0.2	126.8	3.1	106	0.1	12.8	24.8	1095	5	3.5	0.3	1.9	0.9	25	0.1	0.1	0.1	90	2.32	0.058	4	12.7	3.27	88	0.025	1	3.05	0.015	0.25	0.1	0.01	10.2	0.14	10	0.5	0.3
M0401-044	45.45	45.8	0.35	0.2	11.5	4	38	0.1	4.6	6.2	724	2.15	2.9	0.6	0.5	2.3	27	0.1	0.1	0.2	24	2.26	0.04	8	9.3	0.94	46	0.014	9	0.96	0.033	0.16	0.1	0.01	3.7	0.15	4	0.5	0.2
M0401-045	45.8	46.7	0.9000000	0.2	27.4	2.9	86	0.1	8	20.8	1105	4.46	4.2	0.2	0.5	0.8	23	0.1	0.1	0.1	107	2.66	0.056	4	15.1	2.62	38	0.023	6	2.47	0.026	0.15	0.1	0.01	10.6	0.17	8	0.5	0.1
M0401-046	46.7	47.9	1.2	0.4	27.9	5.1	45	0.1	5	11.9	981	2.9	3.8	0.6	0.6	1.9	50	0.1	0.1	0.3	47	3.22	0.05	7	7.8	1.21	51	0.012	1	1.25	0.032	0.14	0.1	0.01	5.4	0.35	5	0.5	0.1
M0401-047	47.9	49.15	1.25	0.5	238.4	3.2	124	0.2	14.7	26.6	1456	5.31	4.7	0.2	4	0.8	46	0.1	0.1	0.6	90	3.38	0.068	4	24.7	3.43	57	0.01	1	3.17	0.011	0.11	0.1	0.01	10.4	0.35	10	1.3	0.1
M0401-048	49.15	49.9	0.75	0.6	30.2	2.5	105	0.1	14.9	21.1	1122	4.99	2.7	0.5	0.8	1.6	24	0.1	0.1	0.3	82	1.85	0.059	6	30.5	3.17	109	0.008	2	3.08	0.021	0.11	0.1	0.01	12.4	0.24	9	0.5	0.1
M0401-049	49.9	51.1	1.2	1.1	39.1	2	109	0.1	3.1	10.9	823	3.37	2.4	0.3	1.3	1.2	11	0.1	0.1	0.5	40	0.82	0.047	4	7	1.82	57	0.013	1	1.9	0.033	0.12	0.1	0.01	5.4	0.36	6	0.5	0.1
M0401-050	51.1	52.6	1.5	1	24.4	3	104	0.1	7.2	18.1	1198	5.4	2.6	0.7	2.4	3.4	12	0.1	0.1	1.2	54	1.09	0.067	11	13.3	3.28	74	0.007	1	3.25	0.011	0.15	0.1	0.01	5.6	0.77	9	1	0.1
M0401-051	52.6	54.25	1.65	1.8	9.8	1.9	78	0.1	5.6	17.8	914	5.32	3.2	0.7	3.1	3.6	6	0.1	0.1	0.9	39	0.51	0.078	12	10.3	3.21	54	0.006	1	2.99	0.008	0.12	0.1	0.01	4.2	1.22	8	1.1	0.1
M0401-052	54.25	55.45	1.2	0.7	14.1	3.6	56	0.1	6.4	7.7	804	2.39	1.3	0.6	0.6	3	25	0.1	0.1	0.2	23	1.78	0.034	13	9.2	1.18	53	0.006	1	1.38	0.029	0.13	0.1	0.01	4.5	0.16	5	0.5	0.1
M0401-053	55.45	55.75	0.3	0.4	12	4	66	0.1	5.5	8.1	953	2.5	1.1	1.2	0.5	3.5	30	0.1	0.1	0.3	20	2.32	0.031	20	8	1.35	44	0.001	1	1.67	0.013	0.09	0.1	0.02	4.4	0.15	5	0.5	0.1
M0401-054	55.75	56.65	0.9	2.8	16.7	2.8	95	0.1	4.8	20.4	1117	6.5	1.6	0.9	1.1	4.4	8	0.1	0.1	0.4	49	0.63	0.072	15	9.1	3.63	53	0.007	1	3.73	0.014	0.1	0.1	0.03	5.4	1.29	11	1.4	0.1
M0401-055	56.65	57	0.3500000	2.2	19.9	1.9	53	0.5	5.9	12	832	4	1	0.8	0.9	4.6	13	0.1	0.1	0.2	34	1.06	0.06	16	9.1	2.16	72	0.005	2	2.39	0.013	0.11	0.3	0.01	4.4	0.05	8	0.5	0.1
M0401-056	57	58.5	1.5	0.9	2.9	1.4	32	0.1	0.6	3.2	533	2.52	0.9	0.3	1.5	2.1	16	0.1	0.1	0.1	4	1.04	0.033	11	2.5	1.11	33	0.007	1	1.42	0.04	0.07	0.1	0.01	4.8	0.05	6	0.5	0.1
M0401-057	58.5	59.7	1.2	0.9	4.5	0.9	52	0.1	0.9	4.4	727	2.92	0.6	0.2	2.2	1.7	11	0.1	0.1	0.1	6	0.9	0.04	10	4.7	1.21	25	0.007	1	1.59	0.032	0.07	0.1	0.01	4.7	0.05	6	0.5	0.1
M0401-058	59.7	60.7	1	1.4	33.1	1.6	71	0.1	0.3	5.8	885	2.82	0.7	0.2	4.8	1.2	21	0.1	0.1	0.1	5	1.22	0.074	5	2.1	0.97	25	0.017	1	1.4	0.042	0.08	0.1	0.01	4.3	0.11	5	0.5	0.1
M0401-059	66.69	69.75	3.06	1.1	7.8	12.8	37	0.1	14.5	13.4	1306	2.02	21.1	1.1	2	5	162	0.4	0.1	0.9	13	5.04	0.033	7	40.3	0.73	56	0.002	1	0.77	0.008	0.09	0.1	0.01	4.2	0.41	2	0.5	0.1

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04002	109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.

Sample Number	From (m)	To (m)	Sample Length (m)	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	S %	Ga ppm	Se ppm	Tl ppm
M0402-001	21	22.25	1.25	0.3	49.6	20.6	131	0.2	11.3	24.3	1328	4.72	5.4	0.2	3.2	1	39	0.2	0.3	0.2	105	2.86	0.065	4	19.5	2.62	214	0.053	1	2.56	0.027	0.38	0.1	0.01	9.5	0.45	8	0.5	0.5
M0402-002	22.25	22.5	0.25	2	62.1	48.7	367	0.6	7.6	14.1	674	4.2	14.8	0.8	6	3.3	10	0.3	1.1	0.8	14	0.6	0.049	10	10.3	1.7	30	0.006	1	1.65	0.017	0.21	0.1	0.07	2.3	2.84	4	1.7	0.2
M0402-003	22.5	23.3	0.8000000	1.9	521.9	135.8	1945	2.7	8	13.8	969	5.25	14.4	1.3	62.3	3.8	14	6	1	3.7	27	1	0.045	11	7	1.78	24	0.02	1	1.68	0.018	0.31	0.1	1.3	4.1	4.35	5	7.6	0.6
M0402-004	23.3	23.55	0.25	2.3	1767	1465	6822	16.1	13.8	32.3	885	7.46	14	0.6	227.1	2.4	17	23.1	2	24.3	53	1.64	0.042	7	25.8	2.32	19	0.049	1	2.14	0.016	0.4	0.1	5.37	7.1	5.95	8	22	1.1
M0402-005	23.55	24.5	0.95	0.4	39.2	38.9	222	0.2	13.5	20.7	1068	4.04	5.8	0.5	10.4	1.3	30	0.1	0.7	0.3	83	2.28	0.037	5	42.4	2.99	134	0.029	23	2.74	0.032	0.16	0.1	0.08	11.2	0.05	9	0.6	0.4
M0402-006	24.5	24.85	0.3500000	1	4380	2702	21700	26.2	13.1	34.3	517	21.1	22.6	1.2	418.2	1.5	11	56.8	1.1	33.3	24	0.92	0.017	3	16.5	1.36	26	0.021	1	1.31	0.008	0.14	0.1	15.35	4	10	4	82.3	0.4
M0402-007	24.85	26.6	1.75	1.7	515.4	150.6	863	3	4.7	14.3	557	3.6	6.2	0.5	26.5	1.8	16	2.7	0.7	5	29	0.64	0.053	4	6.7	1.49	73	0.087	1	1.61	0.041	0.4	0.1	0.69	5.2	1.18	7	3.1	1
M0402-008	26.6	27.05	0.45	2.8	2009	1968	9156	29	14.3	66.3	723	11.6	14.2	0.7	309.8	0.9	14	30.3	1.3	47.1	39	0.59	0.044	3	18.5	2.08	11	0.074	3	1.91	0.009	0.37	0.1	8.1	5.3	9.58	7	29.3	0.9
M0402-009	27.05	28.1	1.05	1.2	382	145.5	1316	1.7	13.1	18.1	734	4.02	7.3	0.9	47.2	2.9	21	3	1.2	2.7	58	1.03	0.037	7	26.4	2.23	60	0.091	1	2.14	0.027	0.42	0.1	1.01	7.9	1.1	8	2	1
M0402-010	28.1	29.6	1.5	1.8	34.7	49.1	225	0.3	12.8	13.2	860	3.15	6.3	0.9	8.2	3	21	0.5	0.8	0.5	62	1.51	0.037	7	22.9	2.28	248	0.12	1	2.08	0.016	0.85	0.1	0.06	7.8	0.39	7	1.1	2
M0402-011	29.6	31	1.4	4.8	79.6	267.6	141	0.6	0.7	3.4	196	1.18	7	0.6	12.7	5.5	10	0.9	1.2	0.3	3	0.49	0.025	15	2.4	0.28	63	0.037	1	0.5	0.024	0.27	0.2	0.13	1.2	0.92	1	0.8	0.3
M0402-012	31	31.4	0.4	0.3	31.4	28.4	420	0.1	57.6	28.2	1485	4.34	3.8	0.2	5.8	0.4	50	0.6	0.5	0.1	85	2.27	0.033	2	155	3.99	707	0.307	1	3.54	0.014	3.71	0.1	0.04	14.8	0.05	8	0.5	4.4
M0402-013	31.4	33	1.6	0.7	50.8	196.3	81	0.4	1.5	5.6	346	1.32	6.5	0.6	9.3	5.7	18	0.7	0.8	0.1	5	0.7	0.047	15	1.6	0.36	122	0.063	1	0.57	0.015	0.35	0.2	0.08	1.3	1.02	1	0.5	0.4
M0402-014	33	34.5	1.5	2.4	21.7	132.1	87	0.3	1.9	3.8	422	1	5.3	0.6	5.1	6.3	25	0.6	0.7	0.1	3	0.67	0.03	16	3.4	0.28	150	0.032	1	0.47	0.011	0.33	0.2	0.09	1.1	0.81	1	0.5	0.3
M0402-015	34.5	36	1.5	1.9	9	25.4	44	0.1	3.6	4	424	1.05	2.7	0.6	2.8	4.2	19	0.2	0.3	0.1	10	0.75	0.017	11	3.6	0.56	297	0.052	1	0.72	0.022	0.39	0.1	0.03	2.2	0.3	2	0.5	0.4
M0402-016	36	37.5	1.5	0.2	5.5	10.9	51	0.1	0.6	1.2	455	0.94	2.5	0.9	0.6	5.9	14	0.2	0.2	0.1	1	0.47	0.014	17	2.1	0.24	223	0.035	1	0.51	0.033	0.33	0.2	0.03	1.2	0.42	2	0.5	0.3
M0402-017	37.5	39	1.5	2	26	45.3	86	0.2	5.3	7.5	612	1.82	3.1	0.8	3.9	5.4	19	0.2	0.4	0.2	22	0.77	0.032	16	7.6	1.08	210	0.115	1	1.25	0.023	0.89	0.2	0.02	3.5	0.56	4	0.5	0.7
M0402-018	39	40.1	1.1	13.4	11.2	116.1	42	0.2	0.4	1.7	327	1.03	2.8	0.7	3.1	5.2	18	0.3	0.4	0.2	4	0.85	0.017	13	1.5	0.4	116	0.042	2	0.55	0.028	0.37	0.1	0.03	1.5	0.59	2	0.5	0.3
M0402-019	40.1	40.9	0.8	15.1	44	212.3	232	0.6	0.6	2.1	125	0.89	10.7	0.7	11.7	6.4	7	3	3.3	0.4	1	0.28	0.012	16	1.3	0.15	96	0.036	1	0.3	0.042	0.16	0.1	0.28	1.4	0.79	1	0.5	0.1
M0402-020	40.9	41.5	0.6000000	0.3	27.8	20.1	110	0.1	21.2	20	1150	4.13	2.6	0.3	1.8	1.3	59	0.2	0.4	0.1	114	2.54	0.038	4	34.8	2.94	548	0.241	1	2.89	0.016	2.55	0.1	0.01	15.2	0.18	8	0.5	1.6
M0402-021	41.5	42.4	0.9	0.7	29.4	19.3	85	0.1	5.9	5.8	728	1.79	2.4	0.8	1.2	5.4	34	0.1	0.5	0.1	22	1.29	0.017	16	10.1	1.22	237	0.095	2	1.31	0.018	0.95	0.2	0.02	4.3	0.4	4	0.5	0.6
M0402-022	59.6	60.7	1.1	0.2	16.9	9.4	147	0.1	12.7	11.9	893	3.27	5.3	0.2	0.9	1	16	0.1	0.6	0.1	48	1.33	0.052	3	24.7	2.06	708	0.12	2	2.11	0.022	0.67	0.1	0.01	6.3	0.1	7	0.5	1.1
M0402-023	60.7	61.16	0.4600000	1.3	10.6	25.3	63	0.1	6.7	8.6	682	2.66	6.5	0.4	0.5	1.6	15	0.1	0.6	0.1	50	1.8	0.04	4	19.9	1.51	504	0.121	1	1.65	0.031	0.56	0.1	0.01	5	0.06	6	0.5	0.9
M0402-024	61.16	62.3	1.14	0.3	30.4	34.9	231	0.2	14.4	13	787	3.47	6.1	0.2	2.3	1.2	16	0.2	0.6	0.4	64	1.2	0.048	3	49.3	2.2	498	0.099	1	2.19	0.025	0.55	0.1	0.01	7.5	0.15	8	0.5	1.1
M0402-025	62.3	62.75	0.4500000	1.4	1684.3	399.3	754	5	16.8	29.5	820	6.38	11.6	0.2	112.5	0.6	11	3.4	0.9	10.7	53	1.08	0.047	2	23.8	2.34	34	0.051	2	2.27	0.011	0.3	0.1	0.25	6	3.48	8	8.4	0.7
M0402-026	62.75	63.87	1.12	1.5	236.6	26.2	314	0.3	9.5	16.2	610	4.64	10	0.2	19	1.1	11	0.4	0.5	0.5	33	0.49	0.032	3	24.9	2.04	170	0.039	1	2.06	0.024	0.2	0.1	0.03	3.8	0.73	6	1.4	0.4
M0402-027	63.87	64.1	0.23	1.4	901.5	95.7	673	1.3	3.3	31.8	630	8.42	20.3	0.3	50.1	1.3	10	4.1	0.5	3	25	0.33	0.024	3	4.3	1.72	40	0.02	1	1.85	0.007	0.21	0.1	0.26	1.4	3.74	6	5.9	0.5
M0402-028	64.1	65.1	1	1.4	103	31.4	246	0.2	18.6	25.9	1622	5.72	7.9	0.1	1.7	0.5	35	0.5	0.3	0.6	136	2.38	0.061	1	30.5	3.44	72	0.043	1	3.42	0.015	0.23	0.1	0.02	13.4	0.16	10	0.8	0.7
M0402-029	65.1	66.12	1.0200000	0.8	38.8	17.9	109	0.1	13.1	24.7	1617	5	6.5	0.1	0.6	0.7	48	0.3	0.3	0.2	141	2.89	0.052	2	24.4	3.02	52	0.033	2	3.15	0.016	0.16	0.1	0.02	14.3	0.05	10	0.5	0.5
M0402-030	66.12	66.63	0.51	3.2	13650	69.9	748	12.2	11.9	64.3	769	11.7	14.4	0.4	186.1	1.3	6	2.8	0.4	8.2	43	0.33	0.026	3	15.7	2.42	37	0.014	2	2.46	0.01	0.13	0.1	1.01	6.5	6.58	7	70.8	0.3
M0402-031	66.63	66.85	0.22	0.1	129.3	4.6	2283	0.1	12.9	17.2	1137	6.17	5.2	0.1	8.5	0.1	8	1.5	0.1	0.2	112	0.38	0.056	1	21.2	3.39	40	0.014	3	3.51	0.021	0.07	0.1	1.82	12.4	0.21	10	2.1	0.1
M0402-032	66.85	67.3	0.4500000	0.9	5815.3	141.4	1114	10.2	10.9	74.6	1008	10	13.7	0.1	448	0.4	11	1.8	0.7	11.7	77	0.82	0.044	1	12.4	2.53	44	0.018	1	2.64	0.015	0.1	0.1	0.91	8.2	5.69	8	59.5	0.2
M0402-033	67.3	67.52	0.2200000	1.1	24680	1294	2100	55.7	9.9	292	303	23	41.3	0.7	1250	1.7	6	11.1	0.8	92.2	19	0.41	0.019	3	4.3	0.79	3	0.004	3	0.87	0.007	0.11	0.1	2.71	2.5	10	3	100	0.3
M0402-034	67.52	67.86	0.34	0.2	105.6	13.2	872	0.3	7.6	28.1	1783	6.25	7.6	0.1	5	0.2	34	0.4	0.5	0.6	150	2.46	0.083	1	8.1	3.55	52	0.019	1	3.63	0.016	0.07	0.1	0.16	13.2	0.05	11	1.4	0.2
M0402-035	67.86	68	0.14	3.5	22280	4173	13200	121	8.7	169	352	24.8	23.4	1.7	516.6	1.3	6	42.9	0.5	205.2	18	0.48	0.021	3	3.4	0.97	2	0.005	1	0.99	0.007	0.08	0.1	10.07	2.4	10	4	100	0.5
M0402-036	68	69.64	1.64	0.2	242.8	21.1	296	0.3	14.4	26	1424	5.11	5.6	0.2	12	0.6	32	0.3	0.2	0.8	107	2.8	0.062	2	29.6	2.85	76	0.013	1	2.99	0.018	0.07	0.1	0.07	11.8	0.1	9	1.6	0.1

DDH Hole Number	DDH Length (m)	DDH Azimuth (Deg)	DDH Dip (+ Down)	DDH Easting (NAD83)	DDH Northing (NAD83)	DDH Elevation (m)	DDH Status	Date Complete	Project Geologist
MO04002	109.4	358	60	661901	6664024	1297	COMPLETE	16/08/2004	Chuck Downie, P. Geo.

Sample Number	From (m)	To (m)	Sample Length (m)	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	S %	Ga ppm	Se ppm	Tl ppm
M0402-037	69.64	70	0.36	0.7	94.7	36.5	108	0.6	5.2	10.8	803	4.03	4.3	0.5	4.1	2.3	8	0.1	0.2	1.7	21	0.72	0.044	5	8.7	2.1	69	0.006	1	2.17	0.017	0.14	0.1	0.07	3.3	0.92	6	2.6	0.1
M0402-039	85.2	85.7	0.5	0.5	13.3	3.7	67	0.1	0.9	5.2	417	1.93	0.7	0.1	0.5	0.2	11	0.1	0.1	0.2	11	0.34	0.036	1	2.6	0.88	16	0.017	1	1	0.016	0.03	0.1	0.01	1.4	0.05	3	0.5	0.1

Appendix IV

Analytical Results

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

GEOCHEMICAL ANALYSIS CERTIFICATE

Bootleg Exploration Inc. PROJECT MORLEY RIVER File # A405780 Page 1

Suite 200 - 16 - 11th Ave, Cranbrook BC V1C 2P1 Submitted by: Chuck Daniel

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
SI	.1	.4	.4	2	<.1	.1	.1	2	.04	<.5	<.1	.9	<.1	3	<.1	<.1	<.1	<1	.15	<.001	<1	<1	<.01	4	<.001	1	.01	.682	.01	<.1	<.01	<.1	<.1	.07	<1	<.5	-
M0401-001	.7	615.1	56.0	715	.3	11.7	17.7	499	5.45	6.2	1.1	7.4	2.5	4	1.7	.2	.3	68	.12	.062	4	18.3	2.22	92	.036	<1	2.50	.017	.23	<.1	.01	7.1	.3	.67	7	1.1	3.51
M0401-002	1.8	747.3	333.9	1083	3.1	8.3	13.7	336	3.47	7.3	1.2	34.7	5.4	4	6.8	.2	5.4	39	.09	.037	10	9.6	1.64	69	.016	<1	2.23	.028	.22	<.1	.20	4.7	.6	.92	5	2.3	2.25
M0401-003	.8	706.8	543.6	3462	6.1	12.1	27.4	794	4.75	6.6	1.3	99.1	3.9	4	19.5	.4	11.8	39	.17	.046	7	11.4	1.82	46	.018	<1	2.18	.020	.24	<.1	.18	5.9	.8	1.58	6	3.2	1.75
M0401-004	2.9	664.5	320.5	8142	2.5	10.6	22.9	1395	5.46	6.1	1.1	84.9	3.7	4	28.9	.5	4.0	18	.25	.041	8	6.6	.98	57	.007	<1	1.15	.021	.19	.1	1.09	4.1	.5	2.22	3	3.5	1.20
M0401-005	.7	210.4	263.7	301	.2	1.7	6.0	144	1.93	3.3	.6	3.4	3.4	4	1.0	.2	.5	16	.11	.045	8	5.5	.87	176	.004	<1	1.41	.029	.14	<.1	.07	4.6	.5	.35	4	.5	.25
M0401-006	2.3	837.3	343.4	716	2.9	5.9	13.6	172	3.05	5.7	.8	70.3	3.2	4	2.4	.4	4.9	24	.11	.042	5	10.7	1.13	36	.005	1	1.59	.024	.11	<.1	.34	5.0	.6	1.43	4	2.9	1.25
M0401-007	.3	396.3	74.2	2429	.8	3.3	23.3	862	6.39	7.2	.6	51.7	1.2	4	6.1	.4	1.3	127	.20	.062	4	6.0	3.17	74	.023	<1	3.50	.017	.19	<.1	.34	8.8	.9	1.04	10	3.8	2.24
M0401-008	.3	207.9	198.4	1937	1.2	2.7	20.1	666	5.99	5.9	.7	60.0	1.1	4	14.5	.6	2.3	115	.17	.053	3	4.5	2.92	68	.021	<1	3.21	.014	.20	<.1	.85	7.4	1.0	1.41	9	6.5	1.70
M0401-009	.1	407.4	34.0	570	.7	1.9	11.3	519	4.07	11.4	.8	20.2	2.8	4	1.4	.6	.9	23	.13	.045	8	3.2	1.84	78	.008	<1	1.99	.015	.17	<.1	.04	3.0	.7	1.53	6	2.4	3.15
M0401-0010	.2	392.9	47.6	1095	.4	1.3	10.5	806	2.88	10.5	.7	13.3	3.0	4	3.8	.5	.8	17	.18	.055	8	2.6	1.64	134	.005	2	1.83	.014	.17	<.1	.02	2.4	.6	.66	5	1.6	3.35
M0401-0011	14.8	5073.2	505.5	2015	10.1	5.5	67.5	41	11.27	62.4	.9	530.7	5.0	2	6.0	9.6	20.3	2	.08	.021	5	1.9	.09	8	.002	3	.37	.013	.21	.1	1.92	.7	.9	>10	1	75.6	4.12
M0401-0012	1.2	>10000	688.0	>10000	28.7	8.4	141.4	113	24.52	116.9	1.1	838.6	2.7	1	41.2	10.7	50.1	3	.03	.010	5	2.8	.31	5	.004	<1	.50	.006	.15	.2	12.14	.8	.9	>10	2	>100	4.72
M0401-0013	1.4	>10000	367.5	>10000	15.0	10.5	143.2	74	32.21	58.9	2.8	20.9	.7	1	37.2	.6	26.1	13	.02	.002	2	6.2	.14	6	.002	<1	.28	.001	.01	.4	10.16	.7	.2	>10	3	>100	.66
M0401-0014	4.9	6967.0	1928.1	>10000	46.8	18.9	122.3	538	21.94	250.0	.8	1180.5	1.7	10	43.5	41.1	96.6	29	.30	.012	2	15.1	1.39	7	.007	<1	1.27	.007	.11	.2	9.72	3.2	1.2	>10	5	92.5	3.45
M0401-0015	3.8	7684.8	1466.7	7192	25.5	18.0	54.0	946	12.16	124.2	.5	796.4	.3	9	28.0	26.6	44.6	71	.37	.050	1	18.8	2.76	11	.014	<1	2.58	.010	.12	.1	5.33	7.8	1.3	9.77	8	29.7	1.32
M0401-0016	1.5	>10000	889.0	>10000	66.3	17.0	168.3	140	29.94	117.5	.8	156.6	.3	5	116.1	18.0	147.8	4	.02	.004	1	4.7	.30	5	.003	<1	.32	.002	.02	.3	25.50	.5	.7	>10	3	>100	1.27
RE M0401-0016	1.8	>10000	919.4	>10000	67.9	18.2	181.7	130	28.59	125.7	.8	111.9	.4	5	119.6	18.6	155.7	4	.02	.004	1	4.9	.28	2	.003	<1	.29	.001	.02	.4	26.99	.5	.7	>10	3	>100	-
RRE M0401-0016	1.3	>10000	895.4	>10000	66.7	18.4	183.9	131	28.57	126.2	.8	178.5	.3	5	118.1	20.4	158.0	4	.02	.004	1	5.5	.29	9	.003	<1	.29	.001	.02	.4	27.08	.6	.7	>10	2	>100	-
M0401-0017	6.1	8751.8	2417.6	>10000	83.1	14.6	241.1	393	22.76	134.1	1.2	1550.6	1.4	11	137.6	31.5	230.0	23	.08	.029	2	9.2	1.22	7	.014	<1	1.16	.004	.12	.1	30.53	2.3	2.3	>10	7	>100	2.20
M0401-0018	3.2	5075.0	3545.5	>10000	51.0	11.1	89.8	706	10.55	48.3	.8	492.6	.7	20	44.7	12.1	114.7	63	.72	.041	2	13.7	2.01	12	.050	<1	1.85	.013	.29	<.1	11.54	7.0	2.6	8.75	7	29.0	1.67
M0401-0019	.7	254.4	88.9	734	.8	13.6	16.8	987	4.17	11.0	.6	30.9	1.8	17	.9	1.1	1.9	82	1.59	.047	5	32.2	2.56	87	.064	<1	2.48	.022	.40	<.1	.23	10.3	2.1	.85	8	1.3	2.22
M0401-0020	.5	426.8	331.5	2187	4.0	22.3	32.2	1066	6.16	13.9	.5	46.3	1.1	16	4.6	1.1	13.5	113	1.42	.054	4	43.2	3.37	24	.075	1	3.30	.012	.47	<.1	1.19	14.3	2.7	1.99	10	4.2	.63
M0401-0021	.6	322.1	296.9	1562	3.5	5.5	19.9	423	3.28	6.3	.7	9.1	2.5	15	4.3	.6	8.7	32	.52	.035	6	10.8	1.38	41	.070	2	1.43	.030	.43	.1	1.27	4.3	1.8	1.40	6	4.4	3.27
M0401-0022	3.6	979.3	2673.7	4517	11.0	4.5	11.3	124	4.01	24.3	1.5	136.9	5.2	4	20.7	15.2	4.4	12	.18	.028	7	3.3	.45	23	.024	1	.67	.012	.29	.1	4.08	1.5	.9	4.09	2	9.0	1.49
M0401-0023	.2	17.3	16.0	158	.1	2.2	5.2	440	2.11	4.2	.5	2.5	2.0	14	.1	.7	.1	19	.63	.030	5	3.9	1.22	548	.091	<1	1.38	.023	.77	.1	.17	3.1	3.0	.17	5	<.5	.86
M0401-0024	1.0	4051.1	1370.2	5216	16.8	22.3	33.1	947	6.89	13.7	.5	386.6	1.4	7	16.3	2.0	30.5	61	.73	.045	4	41.1	3.27	31	.071	1	3.04	.010	.38	.1	4.78	8.0	1.4	3.65	9	10.6	.72
M0401-0025	.3	25.3	17.5	74	.1	7.6	10.5	770	2.55	6.0	.8	.8	3.7	19	.1	.9	.1	58	1.62	.035	10	21.3	1.79	360	.089	<1	1.73	.035	.50	<.1	.04	7.6	1.6	.09	6	<.5	2.72
M0401-0026	.2	21.1	18.7	115	.1	20.9	20.8	928	4.54	5.9	.3	.9	1.0	20	.3	.8	.1	118	1.50	.038	3	64.9	3.50	758	.125	<1	3.32	.016	.69	.1	.07	13.8	2.2	<.05	10	<.5	.84
M0401-0027	.2	56.7	110.5	298	.4	26.6	26.1	1163	4.99	10.7	.3	5.2	.7	36	1.2	1.2	.3	148	2.52	.053	3	63.4	3.62	510	.144	<1	3.48	.016	.68	<.1	.27	18.3	2.1	.26	11	.5	2.50
M0401-0028	2.0	16.3	10.2	69	.1	5.6	7.2	503	1.97	5.3	.5	1.6	2.4	15	.1	.7	<.1	27	.95	.039	5	14.1	1.22	361	.088	<1	1.23	.018	.61	.1	.06	4.0	1.4	.24	4	<.5	3.49
M0401-0029	.8	14.3	6.0	210	.1	27.0	24.9	1256	5.62	6.8	.4	<.5	.4	23	.2	.7	<.1	87	2.46	.066	2	34.9	4.16	212	.123	1	4.17	.009	.64	.1	.04	12.5	1.5	<.05	13	<.5	1.09
M0401-0030	.1	5.8	5.7	60	.1	1.5	5.3	296	2.02	4.5	.7	.9	3.2	8	.1	.7	<.1	21	.34	.038	8	2.6	1.24	117	.079	1	1.27	.034	.45	.1	.04	2.6	1.0	.06	5	<.5	3.11
M0401-0031	.2	3.7	10.0	60	.1	1.5	4.9	333	2.06	3.8	.4	3.5	2.1	7	.1	.5	<.1	17	.30	.037	5	3.5	1.13	140	.084	<1	1.19	.038	.45	.1	.04	2.3	.9	.08	5	<.5	3.06
M0401-0032	.2	27.9	9.2	115	.2	4.4	6.8	436	2.14	6.0	.3	.9	1.5	10	.2	1.0	<.1	33	.71	.035	3	7.6	1.33	151	.084	<1	1.31	.030	.42	.1	.05	3.0	.8	.13	5	<.5	4.11
STANDARD DS5	13.1	144.2	25.0	139	.3	24.3	11.8	785	3.02	17.7	6.1	44.0	2.9	48	5.8	3.5	5.9	61	.77	.091	13	188.6	.68	137	.099	16	2.10	.034	.14	4.7	.18	3.4	1.0	<.05	7	5.1	-

GROUP 1DX - 15.0 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.
- SAMPLE TYPE: CORE R150 60C Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data *h* FA ____ DATE RECEIVED: SEP 23 2004 DATE REPORT MAILED: *Oct 14/04*

Clarence Leong

ACME ANALYTICAL

Bootleg Exploration Inc. PROJECT MORLEY RIVER FILE # A405780

ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
M0401-033	.5	8.2	5.4	57	<.1	1.3	4.3	294	1.75	3.3	.4	<.5	2.0	6	<.1	.6	<.1	15	.26	.031	4	3.5	1.10	147	.067	<1	1.16	.046	.50	.1	.01	1.7	1.0	.08	5	<.5	3.59
M0401-034	.2	33.4	15.3	109	.1	7.5	24.6	1236	4.91	6.9	.1	2.7	.2	21	.2	.7	.1	139	2.27	.070	<1	6.5	3.15	315	.166	<1	3.05	.015	1.31	<.1	.01	6.2	2.1	.13	9	<.5	2.00
M0401-035	1.9	181.8	24.9	288	.6	9.2	10.7	744	3.01	6.0	.2	13.0	1.6	9	.6	.9	.3	48	.94	.043	3	15.4	1.80	219	.098	<1	1.79	.028	.77	.1	.04	5.3	1.2	.54	7	.6	3.05
M0401-036	1.2	63.7	16.4	123	.2	5.6	10.8	600	2.67	7.2	.3	.9	1.4	12	.2	1.2	.1	49	1.00	.038	3	8.1	1.50	317	.103	<1	1.56	.035	.67	.1	.02	3.6	.9	.18	6	<.5	3.26
M0401-037	1.7	90.2	13.7	113	.3	3.2	8.7	475	2.32	6.7	.3	4.5	1.9	11	.2	.8	.1	33	.71	.037	4	6.4	1.20	187	.079	1	1.28	.042	.51	.1	.01	2.9	.7	.52	5	.5	3.17
M0401-038	.6	43.7	15.8	152	.1	9.8	19.6	985	4.34	7.1	.1	1.9	.7	18	.2	.8	.1	123	1.82	.046	2	15.7	2.68	430	.103	<1	2.51	.027	.47	<.1	.02	11.2	.6	.14	9	<.5	3.44
M0401-039	2.5	6860.9	550.5	1807	11.8	14.7	51.6	742	10.66	35.0	.3	508.4	1.2	7	8.1	.6	22.9	42	.70	.039	2	29.3	2.66	14	.051	1	2.46	.009	.35	.1	1.46	5.3	.6	9.60	9	28.8	2.06
M0401-040	.4	149.9	7.9	86	.1	10.4	20.3	1019	4.67	6.7	.2	5.0	1.0	21	.1	.2	.3	96	1.74	.062	3	22.1	2.91	300	.041	1	2.62	.024	.27	<.1	.02	11.3	.4	.35	9	.7	2.42
M0401-041	.4	103.4	6.8	73	.1	9.1	20.1	1101	4.23	3.7	.3	1.7	1.5	32	.1	.1	.2	114	2.53	.049	5	15.7	2.75	173	.024	<1	2.45	.029	.15	<.1	.03	13.6	.2	.13	9	<.5	2.76
M0401-042	.5	487.2	7.0	72	.3	14.8	20.6	1006	4.11	4.1	.2	5.2	1.3	25	.1	.2	.4	84	2.31	.042	4	32.1	2.67	197	.020	<1	2.38	.019	.17	<.1	.03	10.3	.2	.31	8	1.4	.93
M0401-043	.2	126.8	3.1	106	.1	12.8	24.8	1095	5.00	3.5	.3	1.9	.9	25	.1	.1	.1	90	2.32	.058	4	12.7	3.27	88	.025	1	3.05	.015	.25	<.1	.01	10.2	.3	.14	10	<.5	.97
M0401-044	.2	11.5	4.0	38	<.1	4.6	6.2	724	2.15	2.9	.6	<.5	2.3	27	.1	.1	.2	24	2.26	.040	8	9.3	.94	46	.014	9	.96	.033	.16	<.1	<.01	3.7	.2	.15	4	<.5	1.24
RE M0401-044	.2	11.8	4.4	39	<.1	5.1	6.5	767	2.31	3.1	.7	<.5	2.6	29	.1	.1	.2	28	2.39	.041	10	9.6	.98	53	.017	4	1.05	.034	.17	<.1	.01	4.2	.2	.16	4	<.5	-
RRE M0401-044	.3	10.1	4.1	38	<.1	5.1	6.4	734	2.23	3.0	.6	<.5	2.5	27	<.1	.1	.2	29	2.30	.039	10	10.1	.95	54	.017	6	1.05	.038	.18	<.1	.01	4.1	.1	.19	4	<.5	-
M0401-045	.2	27.4	2.9	86	<.1	8.0	20.8	1105	4.46	4.2	.2	<.5	.8	23	.1	.1	.1	107	2.66	.056	4	15.1	2.62	38	.023	6	2.47	.026	.15	<.1	.01	10.6	.1	.17	8	<.5	2.35
M0401-046	.4	27.9	5.1	45	.1	5.0	11.9	981	2.90	3.8	.6	.6	1.9	50	.1	.1	.3	47	3.22	.050	7	7.8	1.21	51	.012	1	1.25	.032	.14	<.1	.01	5.4	.1	.35	5	<.5	2.80
M0401-047	.5	238.4	3.2	124	.2	14.7	26.6	1456	5.31	4.7	.2	4.0	.8	46	.1	.1	.6	90	3.38	.068	4	24.7	3.43	57	.010	1	3.17	.011	.11	<.1	.01	10.4	.1	.35	10	1.3	3.11
M0401-048	.6	30.2	2.5	105	<.1	14.9	21.1	1122	4.99	2.7	.5	.8	1.6	24	<.1	<.1	.3	82	1.85	.059	6	30.5	3.17	109	.008	2	3.08	.021	.11	<.1	<.01	12.4	.1	.24	9	<.5	1.81
M0401-049	1.1	39.1	2.0	109	.1	3.1	10.9	823	3.37	2.4	.3	1.3	1.2	11	.1	.1	.5	40	.82	.047	4	7.0	1.82	57	.013	<1	1.90	.033	.12	<.1	<.01	5.4	.1	.36	6	<.5	2.74
M0401-050	1.0	24.4	3.0	104	.1	7.2	18.1	1198	5.40	2.6	.7	2.4	3.4	12	.1	<.1	1.2	54	1.09	.067	11	13.3	3.28	74	.007	<1	3.25	.011	.15	<.1	.01	5.6	.1	.77	9	1.0	3.83
M0401-051	1.8	9.8	1.9	78	.1	5.6	17.8	914	5.32	3.2	.7	3.1	3.6	6	<.1	<.1	.9	39	.51	.078	12	10.3	3.21	54	.006	<1	2.99	.008	.12	<.1	.01	4.2	<.1	1.22	8	1.1	3.89
M0401-052	.7	14.1	3.6	56	.1	6.4	7.7	804	2.39	1.3	.6	.6	3.0	25	.1	.1	.2	23	1.78	.034	13	9.2	1.18	53	.006	<1	1.38	.029	.13	<.1	<.01	4.5	<.1	.16	5	<.5	3.18
M0401-053	.4	12.0	4.0	66	<.1	5.5	8.1	953	2.50	1.1	1.2	.5	3.5	30	<.1	<.1	.3	20	2.32	.031	20	8.0	1.35	44	.001	1	1.67	.013	.09	<.1	.02	4.4	<.1	.15	5	<.5	.87
M0401-054	2.8	16.7	2.8	95	.1	4.8	20.4	1117	6.50	1.6	.9	1.1	4.4	8	<.1	<.1	.4	49	.63	.072	15	9.1	3.63	53	.007	<1	3.73	.014	.10	<.1	.03	5.4	<.1	1.29	11	1.4	2.46
M0401-055	2.2	19.9	1.9	53	.5	5.9	12.0	832	4.00	1.0	.8	.9	4.6	13	<.1	<.1	.2	34	1.06	.060	16	9.1	2.16	72	.005	2	2.39	.013	.11	.3	<.01	4.4	<.1	<.05	8	<.5	.69
M0401-056	.9	2.9	1.4	32	<.1	.6	3.2	533	2.52	.9	.3	1.5	2.1	16	<.1	.1	<.1	4	1.04	.033	11	2.5	1.11	33	.007	1	1.42	.040	.07	<.1	<.01	4.8	<.1	<.05	6	<.5	2.54
M0401-057	.9	4.5	.9	52	<.1	.9	4.4	727	2.92	.6	.2	2.2	1.7	11	<.1	<.1	<.1	6	.90	.040	10	4.7	1.21	25	.007	1	1.59	.032	.07	<.1	<.01	4.7	<.1	<.05	6	<.5	2.76
M0401-058	1.4	33.1	1.6	71	<.1	.3	5.8	885	2.82	.7	.2	4.8	1.2	21	<.1	<.1	<.1	5	1.22	.074	5	2.1	.97	25	.017	1	1.40	.042	.08	<.1	<.01	4.3	<.1	.11	5	<.5	2.43
M0401-059	1.1	7.8	12.8	37	.1	14.5	13.4	1306	2.02	21.1	1.1	2.0	5.0	162	.4	.1	.9	13	5.04	.033	7	40.3	.73	56	.002	1	.77	.008	.09	<.1	<.01	4.2	<.1	.41	2	<.5	.25
M0402-001	.3	49.6	20.6	131	.2	11.3	24.3	1328	4.72	5.4	.2	3.2	1.0	39	.2	.3	.2	105	2.86	.065	4	19.5	2.62	214	.053	<1	2.56	.027	.38	<.1	.01	9.5	.5	.45	8	<.5	3.37
M0402-002	2.0	62.1	48.7	367	.6	7.6	14.1	674	4.20	14.8	.8	6.0	3.3	10	.3	1.1	.8	14	.60	.049	10	10.3	1.70	30	.006	1	1.65	.017	.21	<.1	.07	2.3	.2	2.84	4	1.7	.70
M0402-003	1.9	521.9	135.8	1945	2.7	8.0	13.8	969	5.25	14.4	1.3	62.3	3.8	14	6.0	1.0	3.7	27	1.00	.045	11	7.0	1.78	24	.020	1	1.68	.018	.31	.1	1.30	4.1	.6	4.35	5	7.6	2.10
M0402-004	2.3	1767.0	1465.3	6822	16.1	13.8	32.3	885	7.46	14.0	.6	227.1	2.4	17	23.1	2.0	24.3	53	1.64	.042	7	25.8	2.32	19	.049	1	2.14	.016	.40	<.1	5.37	7.1	1.1	5.95	8	22.0	.64
M0402-005	.4	39.2	38.9	222	.2	13.5	20.7	1068	4.04	5.8	.5	10.4	1.3	30	.1	.7	.3	83	2.28	.037	5	42.4	2.99	134	.029	23	2.74	.032	.16	<.1	.08	11.2	.4	<.05	9	.6	1.85
STANDARD DS5	12.4	140.3	25.9	136	.3	24.5	11.8	788	3.00	18.0	6.1	42.0	2.7	44	5.6	3.8	5.9	59	.77	.091	12	186.4	.68	134	.092	16	2.06	.033	.14	5.0	.16	3.4	1.1	<.05	7	4.9	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
M0402-006	1.0	3960.9	2701.5	>10000	26.2	13.1	34.3	517	21.09	22.6	1.2	418.2	1.5	11	56.8	1.1	33.3	24	.92	.017	3	16.5	1.36	26	.021	1	1.31	.008	.14	.1	15.35	4.0	.4	>10	4	82.3	1.50
M0402-007	1.7	515.4	150.6	863	3.0	4.7	14.3	567	3.60	6.2	.5	26.5	1.8	16	2.7	.7	5.0	29	.64	.053	4	6.7	1.49	73	.087	1	1.61	.041	.40	.1	.69	5.2	1.0	1.18	7	3.1	4.50
M0402-008	2.8	2009.0	1967.7	9156	29.0	14.3	66.3	723	11.55	14.2	.7	309.8	.9	14	30.3	1.3	47.1	39	.59	.044	3	18.5	2.08	11	.074	3	1.91	.009	.37	.1	8.10	5.3	.9	9.58	7	29.3	1.16
M0402-009	1.2	382.0	145.5	1316	1.7	13.1	18.1	734	4.02	7.3	.9	47.2	2.9	21	3.0	1.2	2.7	58	1.03	.037	7	26.4	2.23	60	.091	<1	2.14	.027	.42	.1	1.01	7.9	1.0	1.10	8	2.0	2.60
M0402-010	1.8	34.7	49.1	225	.3	12.8	13.2	860	3.15	6.3	.9	8.2	3.0	21	.5	.8	.5	62	1.51	.037	7	22.9	2.28	248	.120	1	2.08	.016	.85	.1	.06	7.8	2.0	.39	7	1.1	4.02
M0402-011	4.8	79.6	267.6	141	.6	.7	3.4	196	1.18	7.0	.6	12.7	5.5	10	.9	1.2	.3	3	.49	.025	15	2.4	.28	63	.037	1	.50	.024	.27	.2	.13	1.2	.3	.92	1	.8	3.21
M0402-012	.3	31.4	28.4	420	.1	57.6	28.2	1485	4.34	3.8	.2	5.8	.4	50	.6	.5	<.1	85	2.27	.033	2	155.0	3.99	707	.307	1	3.54	.014	3.71	.1	.04	14.8	4.4	<.05	8	.5	1.15
M0402-013	.7	50.8	196.3	81	.4	1.5	5.6	346	1.32	6.5	.6	9.3	5.7	18	.7	.8	.1	5	.70	.047	15	1.6	.36	122	.063	1	.57	.015	.35	.2	.08	1.3	.4	1.02	1	<.5	3.71
M0402-014	2.4	21.7	132.1	87	.3	1.9	3.8	422	1.00	5.3	.6	5.1	6.3	25	.6	.7	.1	3	.67	.030	16	3.4	.28	150	.032	1	.47	.011	.33	.2	.09	1.1	.3	.81	1	.5	3.59
M0402-015	1.9	9.0	25.4	44	.1	3.6	4.0	424	1.05	2.7	.6	2.8	4.2	19	.2	.3	.1	10	.75	.017	11	3.6	.56	297	.052	1	.72	.022	.39	.1	.03	2.2	.4	.30	2	.5	3.61
M0402-016	.2	5.5	10.9	51	.1	.6	1.2	455	.94	2.5	.9	.6	5.9	14	.2	.2	.1	1	.47	.014	17	2.1	.24	223	.035	<1	.51	.033	.33	.2	.03	1.2	.3	.42	2	<.5	4.17
M0402-017	2.0	26.0	45.3	86	.2	5.3	7.5	612	1.82	3.1	.8	3.9	5.4	19	.2	.4	.2	22	.77	.032	16	7.6	1.08	210	.115	<1	1.25	.023	.89	.2	.02	3.5	.7	.56	4	.5	3.98
M0402-018	13.4	11.2	116.1	42	.2	.4	1.7	327	1.03	2.8	.7	3.1	5.2	18	.3	.4	.2	4	.85	.017	13	1.5	.40	116	.042	2	.55	.028	.37	.1	.03	1.5	.3	.59	2	.5	2.62
M0402-019	15.1	44.0	212.3	232	.6	.6	2.1	125	.89	10.7	.7	11.7	6.4	7	3.0	3.3	.4	1	.28	.012	16	1.3	.15	96	.036	<1	.30	.042	.16	.1	.28	1.4	.1	.79	1	.5	1.98
M0402-020	.3	27.8	20.1	110	.1	21.2	20.0	1150	4.13	2.6	.3	1.8	1.3	59	.2	.4	<.1	114	2.54	.038	4	34.8	2.94	548	.241	1	2.89	.016	2.55	.1	.01	15.2	1.6	.18	8	.5	1.29
M0402-021	.7	29.4	19.3	85	.1	5.9	5.8	728	1.79	2.4	.8	1.2	5.4	34	.1	.5	.1	22	1.29	.017	16	10.1	1.22	237	.096	2	1.31	.018	.95	.2	.02	4.3	.6	.40	4	<.5	2.65
M0402-022	.2	16.9	9.4	147	<.1	12.7	11.9	893	3.27	5.3	.2	.9	1.0	16	.1	.6	<.1	48	1.33	.052	3	24.7	2.06	708	.120	2	2.11	.022	.67	<.1	.01	6.3	1.1	.10	7	<.5	2.79
M0402-023	1.3	10.6	25.3	63	<.1	6.7	8.6	682	2.66	6.5	.4	<.5	1.6	15	.1	.6	<.1	50	1.80	.040	4	19.9	1.51	504	.121	1	1.65	.031	.56	<.1	.01	5.0	.9	.06	6	<.5	1.17
M0402-024	.3	30.4	34.9	231	.2	14.4	13.0	787	3.47	6.1	.2	2.3	1.2	16	.2	.6	.4	64	1.20	.048	3	49.3	2.20	498	.099	<1	2.19	.025	.55	.1	<.01	7.5	1.1	.15	8	.5	3.06
RE M0402-024	.4	28.8	33.9	230	.2	14.8	13.4	791	3.47	5.7	.2	1.5	1.2	15	.2	.5	.4	64	1.19	.049	3	48.6	2.21	479	.100	<1	2.19	.029	.53	<.1	.01	7.6	1.1	.15	7	.8	-
RRE M0402-024	.4	32.4	36.5	234	.2	16.0	13.5	791	3.45	5.7	.2	.8	1.1	16	.1	.6	.5	64	1.17	.046	3	50.6	2.22	491	.099	2	2.19	.026	.54	<.1	.01	8.0	1.1	.13	8	.6	-
M0402-025	1.4	1684.3	399.3	754	5.0	16.8	29.5	820	6.38	11.6	.2	112.5	.6	11	3.4	.9	10.7	53	1.08	.047	2	23.8	2.34	34	.051	2	2.27	.011	.30	<.1	.25	6.0	.7	3.48	8	8.4	1.40
M0402-026	1.5	236.6	26.2	314	.3	9.5	16.2	610	4.64	10.0	.2	19.0	1.1	11	.4	.5	.5	33	.49	.032	3	24.9	2.04	170	.039	1	2.06	.024	.20	.1	.03	3.8	.4	.73	6	1.4	3.46
M0402-027	1.4	901.5	95.7	673	1.3	3.3	31.8	630	8.42	20.3	.3	50.1	1.3	10	4.1	.5	3.0	25	.33	.024	3	4.3	1.72	40	.020	1	1.85	.007	.21	.1	.26	1.4	.5	3.74	6	5.9	.65
M0402-028	1.4	103.0	31.4	246	.2	18.6	25.9	1622	5.72	7.9	.1	1.7	.5	35	.5	.3	.6	136	2.38	.061	1	30.5	3.44	72	.043	1	3.42	.015	.23	<.1	.02	13.4	.7	.16	10	.8	2.75
M0402-029	.8	38.8	17.9	109	.1	13.1	24.7	1617	5.00	6.5	.1	.6	.7	48	.3	.3	.2	141	2.89	.052	2	24.4	3.02	52	.033	2	3.15	.016	.16	<.1	.02	14.3	.5	<.05	10	<.5	3.18
M0402-030	3.2	>10000	69.9	748	12.2	11.9	64.3	769	11.67	14.4	.4	186.1	1.3	6	2.8	.4	8.2	43	.33	.026	3	15.7	2.42	37	.014	2	2.46	.010	.13	<.1	1.01	6.5	.3	6.58	7	70.8	1.38
M0402-031	.1	129.3	4.6	2283	.1	12.9	17.2	1137	6.17	5.2	.1	8.5	.1	8	1.5	.1	.2	112	.38	.056	1	21.2	3.39	40	.014	3	3.51	.021	.07	<.1	1.82	12.4	.1	.21	10	2.1	.62
M0402-032	.9	5815.3	141.4	1114	10.2	10.9	74.6	1008	10.00	13.7	.1	448.0	.4	11	1.8	.7	11.7	77	.82	.044	1	12.4	2.53	44	.018	1	2.64	.015	.10	.1	.91	8.2	.2	5.69	8	59.5	1.32
M0402-033	1.1	>10000	1293.9	1938	55.7	9.9	291.6	303	22.96	41.3	.7	1265.7	1.7	6	11.1	.8	92.2	19	.41	.019	3	4.3	.79	3	.004	3	.87	.007	.11	.1	2.71	2.5	.3	>10	3	>100	.64
M0402-034	.2	105.6	13.2	872	.3	7.6	28.1	1783	6.25	7.6	.1	5.0	.2	34	.4	.5	.6	150	2.46	.083	1	8.1	3.55	52	.019	<1	3.63	.016	.07	<.1	.16	13.2	.2	<.05	11	1.4	.86
M0402-035	3.5	>10000	4172.9	>10000	>100	8.7	168.6	352	24.76	23.4	1.7	516.6	1.3	6	42.9	.5	205.2	18	.48	.021	3	3.4	.97	2	.005	<1	.99	.007	.08	.1	10.07	2.4	.5	>10	4	>100	.56
M0402-036	.2	242.8	21.1	296	.3	14.4	26.0	1424	5.11	5.6	.2	12.0	.6	32	.3	.2	.8	107	2.80	.062	2	29.6	2.85	76	.013	<1	2.99	.018	.07	<.1	.07	11.8	.1	.10	9	1.6	4.32
M0402-037	.7	94.7	36.5	108	.6	5.2	10.8	803	4.03	4.3	.5	4.1	2.3	8	.1	.2	1.7	21	.72	.044	5	8.7	2.10	69	.006	1	2.17	.017	.14	.1	.07	3.3	.1	.92	6	2.6	.96
STANDARD DS5	12.4	140.0	24.9	137	.3	23.8	11.7	750	3.00	18.3	6.1	41.6	2.7	50	5.3	3.4	5.9	58	.73	.088	12	190.5	.68	137	.095	15	2.01	.032	.14	4.8	.17	3.4	1.0	<.05	7	5.2	-

Sample type: CORE R150 60C. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm	Sample kg
M0402-038	2.8	43.3	2.9	58	.1	9.0	15.9	831	4.33	5.0	.4	2.8	1.8	6	<.1	.1	.4	33	.52	.057	4	14.9	2.37	56	.005	<1	2.32	.011	.12	<.1	.01	3.1	.1	1.08	6	<.5	2.98
M0402-039	.5	13.3	3.7	67	.1	.9	5.2	417	1.93	.7	<.1	.5	.2	11	<.1	.1	.2	11	.34	.036	1	2.6	.88	16	.017	1	1.00	.016	.03	<.1	.01	1.4	<.1	<.05	3	<.5	1.58
STANDARD DS5	12.4	141.1	25.4	138	.3	23.1	11.8	792	3.01	16.7	6.2	44.9	2.7	46	5.6	4.0	6.1	58	.74	.088	12	190.7	.68	134	.100	20	2.06	.032	.13	5.0	.19	3.3	1.1	<.05	7	4.9	-

Sample type: CORE R150 60C.

Data ✓ FA ____

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716
(ISO 9002 Accredited Co.)

ASSAY CERTIFICATE

Bootleg Exploration Inc. PROJECT MORLEY RIVER File # A405780R
Suite 200 - 16 - 11th Ave, Cranbrook BC V1C 2P1 Submitted by: Chuck Daniel

SAMPLE#	Cu %	Zn %	Ag** gm/mt	Au** gm/mt
M0401-0012	1.006	1.33	-	-
M0401-0013	1.205	1.07	-	-
M0401-0014	.642	1.18	-	1.27
M0401-0016	1.045	3.27	-	-
M0401-0017	.742	2.97	-	.68
M0401-0018	.480	1.31	-	-
M0402-006	.438	2.17	-	-
M0402-030	1.365	.08	-	-
M0402-033	2.468	.21	-	1.25
M0402-035	2.228	1.32	121	-
RE M0402-035	2.211	1.31	123	-
STANDARD GC-2a/AU-1	.901	16.64	1023	3.41

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 250 ML, ANALYSED BY ICP-ES.
AG** & AU** BY FIRE ASSAY FROM 1/2 A.T. SAMPLE.
- SAMPLE TYPE: CORE PULP Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data ✓ FA ____ DATE RECEIVED: OCT 19 2004 DATE REPORT MAILED: Oct 26/04

BRITISH COLUMBIA CERTIFIED ASSAYER
Clarence Leong

Appendix V

IP Survey Report

Aurora Geosciences Ltd.

KOBEX RESOURCES LTD.

INDUCED POLARIZATION SURVEY AT THE MOR PROPERTY, TESLIN AREA, YUKON TERRITORY

Mike Power, M.Sc. P.Geoph.

Location: 60° 5' N 132° 5' W
NTS: 105 C1
Mining District: Watson Lake
Date: 18 Oct 2004

SUMMARY

Induced polarization and resistivity surveys were conducted on the MOR Property for Kobex Resources Ltd. to locate massive to heavily disseminated sulphide mineralization hosting base and precious metals on the property. A total of 4.5 line-km were surveyed with a pole-dipole array, using a 25 m dipole spacing and reading from the 1st to the 6th separation. The data was interpreted by employing automated computer inversion to generate 2D models of the chargeability and resistivity distribution along each line. These results were in turn contoured to generate a three dimensional model of the chargeability and resistivity distribution.

The survey mapped a moderately to highly chargeable horizon the length of the grid. The western end of this horizon is coincident with a showing. The anomaly is cut off to the west and open to the east and the chargeable source appears to plunge gently to the east along strike. The horizon may be faulted near the eastern boundary of the surveyed area.

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LIST OF FIGURES

1.0 INTRODUCTION

Aurora Geosciences Ltd. was retained by Kobex Resources Ltd. to perform an induced polarization and resistivity (IP) survey on the MOR Property near Teslin, Yukon Territory. The survey was conducted to locate disseminated to massive sulphide mineralization hosting base and precious metal occurrences on the property. A total of 4.5 line-km were covered during the IP survey. This report describes the survey and results, and contains an interpretation of the data.

2.0 LOCATION AND ACCESS

The MOR Property is located west of the Morely River in the Watson Lake Mining District and is centred at approximately 60° 5' N 132° 5' W (Figure 1). The property is accessible by helicopter from the Morely River Lodge, approximately 10 km southwest of the property on the Alaska Highway.

3.0 GRID

The location of the survey grid is shown in Figure 2. The grid consisted of an 800 m base line and 9 - 500 m survey lines. All lines were cut out and picketed with tagged, flagged, half-length bush pickets at 25 m intervals. The base line was slope corrected while the survey lines were slope chained (not slope corrected). The locations of the line ends were recorded with non-differential GPS receivers.

4.0 PERSONNEL AND EQUIPMENT

The survey was conducted by the following personnel:

Crew chief:	Shawn Horte, C.E.T.
Technician:	Andre Lebel
Helper:	Tyson Bourgard
Helper:	Jean Francois Page

The crew was equipped with the following instruments and general equipment:

IP Transmitter:	1-	GDD TX-II 3.5 KW digital IP transmitter
	1-	Honda 5KVA gas generator

IP Receiver:	1-IRIS IP-10 digital 6-channel IP receiver.
Other IP equipment:	6 km 18 gauge wire in good repair Breast reels and speedy winders Stainless steel electrodes VHF radios 25 m 6-channel receiver cables Tools and repair equipment
Camp:	1 - 4 man summer camp (2 - 12'x14' tents, kitchen gear, generator, SAT phone)
Line cutting:	3 - chain saws 1 - crew kit (hip chains, chains, GPS receivers, prisms, etc.) including pickets, tags & flagging
Data processing:	Toshiba P 1.68GHz laptop Geosoft IP package

The crew spent a total of 12 days on the property conducting both line cutting and the IP survey. A survey log is attached as Appendix B and instrument specifications are attached as Appendix C.

5.0 SURVEY SPECIFICATIONS

The IP surveys were conducted according to the following specifications:

Array:	Pole-dipole
Dipole spacing:	25 m
Separations read:	n=1 to 6
Tx mode / signal:	Standard time domain signal (2 s +on, 2 s off, 2 s -on, 2 s off)
Receiver sampling:	Semi-logarithmic sampling of the decay curve in 20 windows, stacked minimum 15 times.
Parameters read:	M_t - total chargeability (ms) R_o - apparent resistivity M_1 to M_{10} - 10 channel samples of decay curve

V_p - Primary voltage
Sp - spontaneous potential
E - error in chargeability (ms)

Noise: Standard deviation of the chargeability was kept to 5 ms or less wherever possible. If this was not possible, readings were repeated several times to determine their repeatability.

Other: Line end points were measured with non-differential GPS and station-to-station slopes were recorded to provide topography for the inversion.

6.0 SURVEY NOTES

The survey log in Appendix B describes survey operations including production. The crew mobilized to the property on Monday July 12 at 0600 hrs. Discovery Helicopters from Atlin moved the crew into the property with a Bell 206B Jet Ranger. The move required 2 internal and 3 long line sling loads from Morley River Lodge. The crew established a camp in the old Almaden Resources camp. There is very little water on the property this year and additional water had to be flown in to complete the program. The crew easily located the old grid and established the lines to be cut. Cutting proceeded slowly on account of the thick bush - particularly in the eastern end of the grid on the slope of the hill leading down to the Morley River. The IP survey proceeded with few problems with the exception of the survey on L2800E where noisy ground was encountered. The crew finished work late on Thursday July 22 and demobilization was delayed due to difficulty in scheduling a helicopter from Atlin because of forest fires. The crew demobilized on Friday 23 July with six internal loads due to a missing net lanyard.

7.0 IP INTERPRETATION METHOD

The data was interpreted using the DCIP2D package developed by the University of British Columbia Geophysical Inversion Facility. The inversion algorithm is described in detail by Oldenburg and Li (1994). A brief description of key features of the algorithm follows.

Siegel (1959) described the IP effect in macroscopic terms. If a time domain signal is put into the ground, as soon as the current is turned on, the voltage immediately rises to a level (ϕ_σ) and thereafter continues to rise to a higher level (ϕ_η). At current shutoff, the voltage immediately falls to a level (ϕ_s) and then slowly decays to zero along a curve similar to that between ϕ_σ and ϕ_η . Apparent chargeability is defined as the "extra" voltage observed:

$$\eta_a = \frac{\phi_\eta - \phi_\sigma}{\phi_\eta} = \frac{\phi_s}{\phi_\eta}$$

The observed DC potentials ϕ_σ are defined by the vector form of Ohms Law:

$$\nabla \cdot (\sigma \nabla \phi_s) = -I\delta(r - r_s)$$

where $\mathbf{r}$-$\mathbf{r}_s$ is the vector to the measurement point, **I** is the current and σ is the conductivity structure of the earth - the unknown quantity in the geophysical problem. The chargeability can be modeled by replacing the conductivity by an equivalent apparent conductivity controlled by the chargeability:

$$\sigma_\eta = \sigma(1 - \eta)$$

Modeling the IP effect then involves running two conductivity models - one with σ and one with σ_η .

The unknown quantity is the distribution of conductivities in the earth. The software models the earth conductivity structure as a series of rectangular cells of varying size and aspect ratio. The grid is finest (most detailed) near the measurement points and much coarser at locations beside or at depth beneath the measurement points. The latter points are necessary to avoid having edge effects appear in the model. The size and dimensions of the models in no way compensates for the basic limitations on depth penetration and resolution inherent in the IP/resistivity survey. Thus the effective depth of penetration (0.5 to 1.0 times the maximum dipole separation) is the limit to which the models should be relied upon to accurately reflect true earth conductivities and chargeabilities.

The program calculates the potential across the finite element network using a starting model. Appropriate boundary conditions are applied when calculating the potentials across the network. These include the condition that all current flow is normal to the cell boundaries and voltages are continuous across the boundaries. The sensitivity of the model to changing the parameters in any cell is calculated as is the misfit between the model results and the actual observed potentials / chargeabilities. The model is then adjusted using the calculated sensitivities of the response to changes in the individual cells.

There is no unique solution or model which fits any set of IP / resistivity data. A best-fit model is one which minimizes error and invokes the minimum required degree of complexity to fit the data. For a set of **N** measurements, the global error can be expressed as:

$$\Psi_d = \sum_{i=1}^{N} \left(W_i (r_i - r_i^{obs}) \right)^2$$

where W_i is the weighting factor for the i^{th} measurement (r^{obs}) and r_i is the model response for this measurement. The weighting factor is usually in the order of the inverse of the expected error so that a measurement with high error has a low weighting and vice versa. In a system with no noise and perfectly determined errors, the global error would be **N** because the weighting would compensate for large spreads between model and observed results at points with large errors. The program minimizes Ψ_d by repeatedly adjusting the conductivities to improve the fit. A threshold Ψ_d based on the number of measurements and a factor described below is set and the program will terminate once the global error is below the threshold.

The program determines a background model based on average apparent conductivities with a complexity determined by the station spacing, the elevation differences and number of separations read. The actual readings do have significant noise and the complexity of the background conductivity response may be such that it is impossible to reduce Ψ_d to N. Instead, Ψ_d will be scaled proportionately by a "chi-factor" ranging up from 1.0. Setting a large chi-factor directs the program to use very simple models which tend to smooth out the conductivities and fails to accurately model the fine details in resistivity or chargeability known to exist in the ground. Setting a chi-factor which is too low may prevent convergence to an acceptable solution. In this study, default (floating) chi-factors were used in the inversion and the program derived a model of average complexity suitable to the amount of data available.

Models were run with topography extracted from NTS maps and extended off either end of the survey lines to permit accurate modeling of potentials at the ends of the lines. The observed standard deviation in the chargeability measurements was taken as the error in chargeability; default errors were used in the apparent resistivity calculations in the absence of any measured error in primary voltages. DC resistivity inversions were run first followed by the IP inversions with the latter made using the DC resistivity mesh as an input.

8.0 DATA PROCESSING AND INTERPRETATION PROCEDURES

The following procedures were used to prepare and invert the induced polarization and resistivity data:

1. *Data review.* The IP data was reviewed and edited prior to preparing pseudosections and preparing the data sets for inversion. Duplicate readings were averaged and duplicates removed from the data base to leave only a single reading at each station and separation. The data was further edited and values with very large errors (> 50% of the apparent chargeability) were deleted. Some data remains in the data set with large errors but these are associated with repeatable high chargeability readings.

2. *Pseudosection plotting.* Pseudosections of the apparent resistivity, chargeability and error in chargeability were prepared from the final edited data. The chargeability and error in chargeability sections were prepared with a constant scale (5-45 mV/V and 0-5 mV/V respectively). The data scales for the resistivity pseudosections were scaled to the range observed along each line rather than to common grid-wide values because of the wide range of electrical resistivities encountered between lines.

3. *Data formatting.* The apparent chargeability, resistivity (in normalized V/I) and topographic data were formatted for entry into the UBC inversion program.

4. *Resistivity modelling.* For each line, errors in the apparent resistance (V/I) were assigned to the data. There is no means of directly quantifying these errors because neither the transmitter nor receiver record the apparent error in the current or voltage. Errors were assumed to be 0.0002 + 2% ohms. Following error assignment, the data was inverted using these error values. The default mesh is quite adequate for the data set because of the low relief along the survey lines. The default initial and reference models are based on an average of the apparent resistivity. After the default run, the data was inverted a second time using initial and reference models which were 10,000 ohm-m (a much higher value than the average 200-500 ohm-m in the survey area). The purpose of this second run was to generate a model with a background resistivity which was greatly different than the average values used in the default run. After the second run, the two models were compared and regions which showed more than 20% discrepancy were blanked out in the final models. In these blanked out regions, the final models are not sensitive to the field data and no reliable subsurface information is likely contained in these portions of the models.

5. *Chargeability modelling.* For each line, the observed standard deviation in the chargeability was used as a measure of error in the observed apparent chargeability. The IP data was first inverted using default values. The same mesh used in the resistivity modelling and the final DC resistivity model was used in the IP inversion together with default initial and reference models. After the first run, the data was inverted a second time using initial and reference models which incorporated background chargeabilities of 100 mV/V (a much higher

value than the average 0-10 mV/V in the survey area). After the second run, the two models were compared and regions which showed more than 20% discrepancy were blanked out in the final models. In these blanked out regions, the final models are not sensitive to the field data and no reliable subsurface information is likely contained in these portions of the models.

6. *Image extraction.* After the modelling was complete, data ranges were compiled and overall data scales were assigned for both the resistivity and chargeability models. The resistivity varied from as low as 1 ohm-m to tens of thousands of ohm-m; a range of 10 to 5000 ohm-m is used as a standard scale for all resistivity models. The model chargeabilities varied from 0 to several hundred mV/V. The response on L2300E was anomalously low with maximum values less than 10 mV/V whereas all the other lines showed maximum model chargeabilities of over 30 mV/V. Consequently, for all lines except L2300E, a consistent scale of 0 to 70 mV/V was used. Several lines contain regions with modelled chargeability in excess of the maximum value. Final images were generated with the inversion software and converted to JPEGs without further editing.

7. *3D model generation.* The inversion results for each lines were converted to UTM coordinates and elevation using proprietary software and plotted with Rockworks 3D imaging software.

8. *Digital archive.* The final IP data, digital copies of the pseudosections, inversion images and 3D images were written to CD-ROM.

9.0 RESULTS

Final digital data is appended to this report in Geosoft XYZ (IP) format. Readings with unacceptable errors and which did not repeat have been deleted from this final data set. Also included with this data are GPS position measurements taken at the ends of the survey lines. These show the averaged location of the survey point in UTM coordinates, NAD 1927 datum, Zone 8N projection. This data is contained in an ASCII text file.

Pseudosections of the final IP data are appended to this report in the back pocket. These sections were prepared at 1:2500 and show the apparent chargeability, apparent resistivity and error in apparent chargeability in standard pseudosection format. The chargeability and error in chargeability are plotted using standard colour scales of 5-45 mV/V and 0-5 mV/V respectively.

The inversion results are collated in Appendix D. These images show the observed data, the model generated response for comparison, the 2D resistivity distribution in the final model and the 2D chargeability distribution in the final model. Convergence curves are also shown to assist the reading in assessing the quality of the inversion. In some cases, the final models failed to replicate the high gradients observed in the chargeability data. In these models, convergence to the target misfit was not achieved.

The data is of good quality except on L2800E where very high chargeabilities and associated errors were recorded and on L2900E where there is a suspect slash on the southern end of the line. There appears to be a south dipping chargeable body with low apparent resistivity trending across the grid. The anomaly is fully developed by L2500E and begins to taper off by L3000E. The dip of the body appears to change from moderate to steeply dipping moving from west to east. The anomaly is cut off to the west on L2300E as there is essentially no response on this line. The model results suggest that there may be two horizons present. The northern horizon appears to be more chargeable except on L2800E. This is only apparent in the pseudosection as the inversion could not deal with the high chargeability errors. Comparing the IP models from Lines 2500E through 2900E, it appears that the chargeable body is plunging to the east at a gentle angle. It should be noted that the receiving array is best suited to detecting thin, moderately dipping targets to a depth of around 85 m and the tapering off of the IP response at depth to the east in the models may reflect only this.

Figures 2 through 4 are perspective views of the 3D distribution of chargeability and resistivity generated by contouring the results for the line-by-line inversions in three dimensions. The orange region encloses ground with chargeability greater than 14 mV/V and outlines the main geophysical target. Several small areas with apparent resistivity less than 25 ohm-m are enclosed in red. Figure 2 is a top view of the target showing the outcrop of the high chargeability zone in the west and its eastward extension. Figure 3 is a view of the model from the south showing the eastward plunge of the chargeable horizon and its updip termination to the west at the exposed showing. Figure 4 is a view of the model from the east showing the southern and northern horizons. The southern horizon may be a faulted section of the northern horizon.

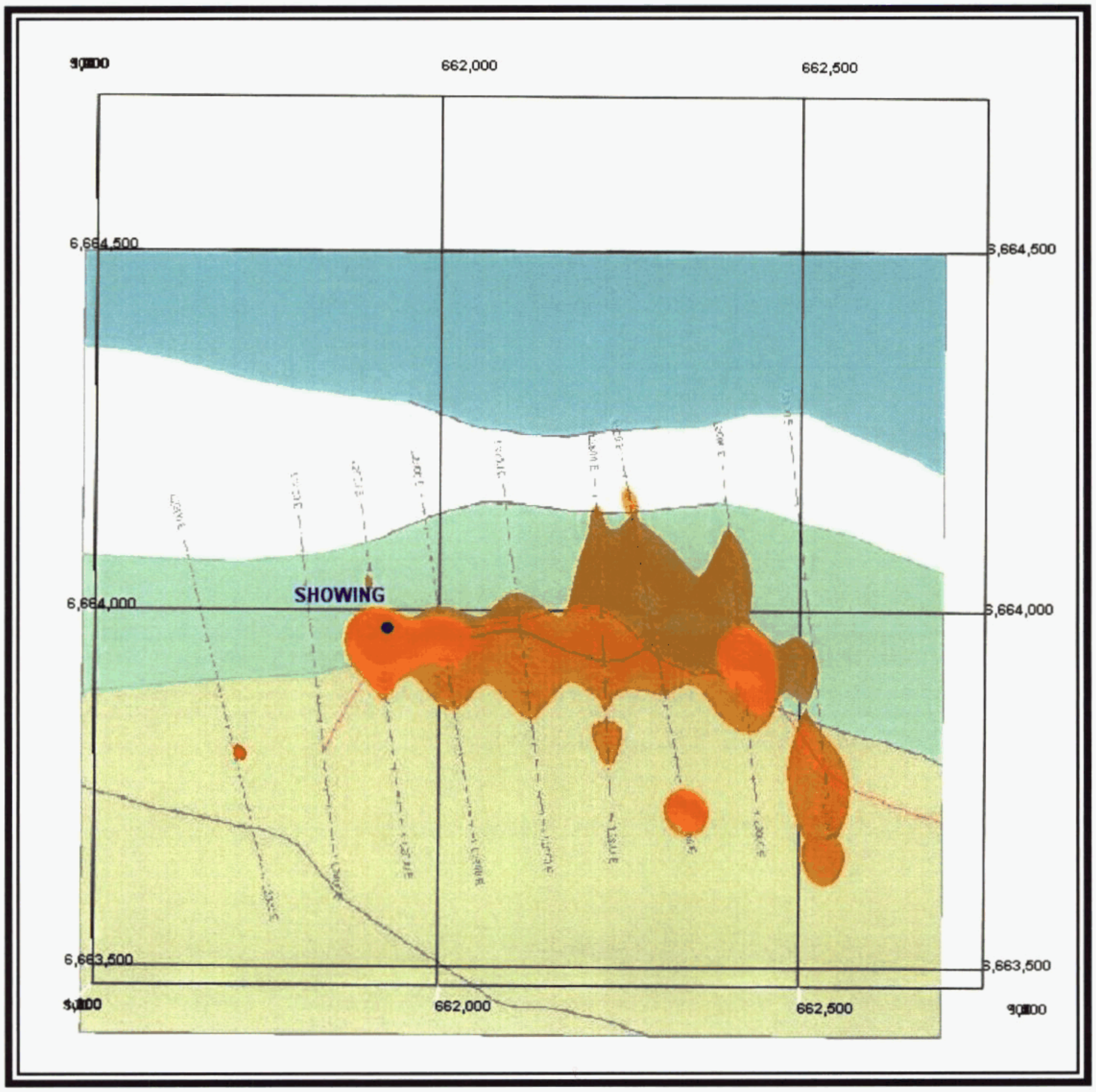

Figure 2. Top view of 3D chargeability / resistivity model. Orange region encloses ground with chargeabilities in excess of 14 mV/V. Red areas are regions with resistivity lower than 25 ohm-m. Geology overlain on topography showing quartz sericite schist as light green. Red line traces the inferred location of the mineralized horizon based on VLF and geochemical responses.

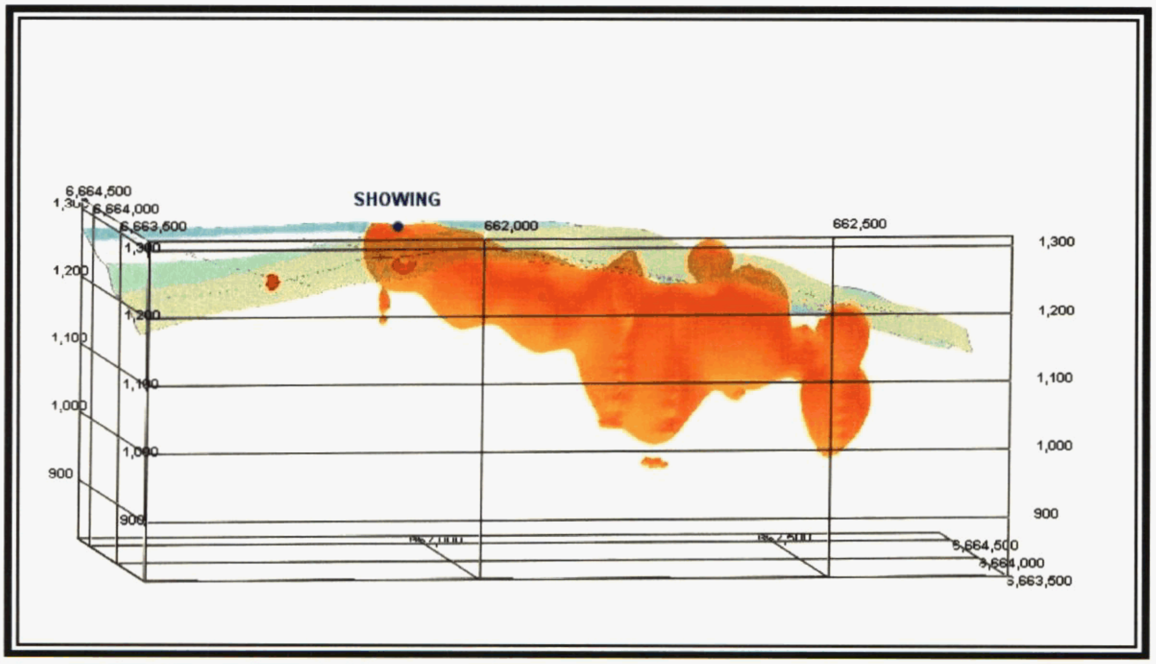

Figure 3. View of model from south showing the eastward plunge of the east-striking chargeable horizon. Conductive rock (< 25 ohm-m / ? sulphides?) are shown in red embedded in the chargeability anomaly.

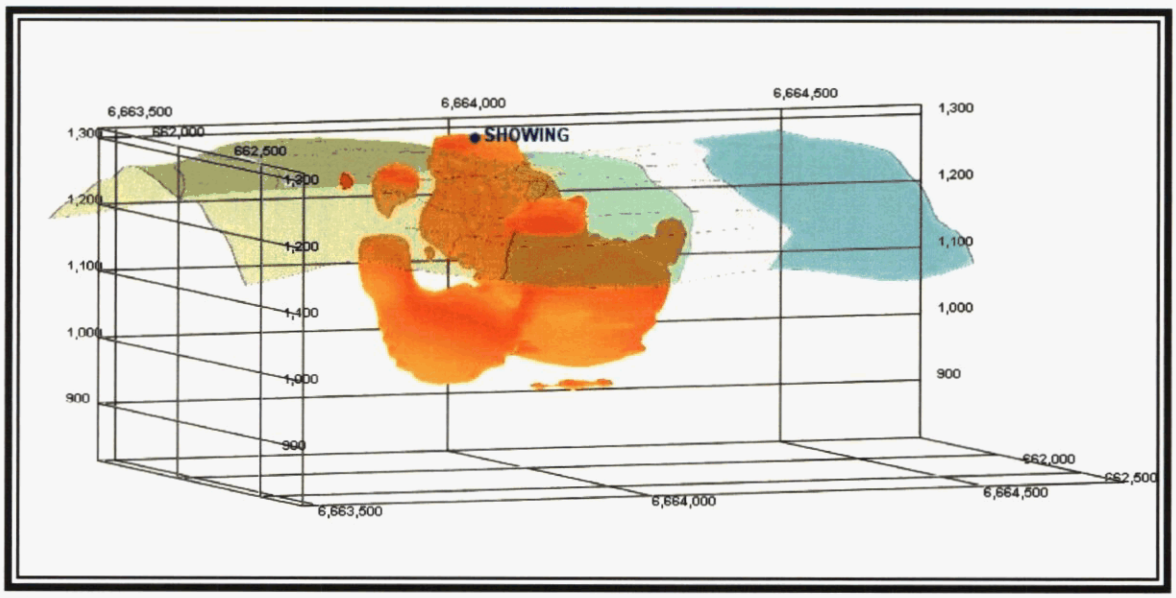

Figure 4. View of model from the southeast showing the southern lobe of the main northern anomaly - possibly a faulted section of the northern anomaly.

10.0 CONCLUSIONS

The results of the induced polarization / resistivity survey suggest the following conclusions:

a. The survey mapped a moderate to highly chargeable source region across the length of the survey grid. The source body strikes roughly east-west, plunges gently to the east, and surfaces on its western end where the known mineral showings on the MOR Property are located. Chargeability is cut off west of the showing, indicating the probable western boundary of sulphide mineralization.

b. The apparent resistivity of the target is not low with minimum apparent resistivities in the range of 20 to 50 ohm-m. This suggests that the tenor sulphide mineralization may be low or, alternatively, that sulphide mineralization may be encapsulated in non-conductive minerals (eg. silica or calcite). The very high chargeabilities recorded on lines in the eastern portion of the grid suggest that silica or calcite encapsulation and consequent chargeability elevation may be occurring here.

11.0 RECOMMENDATIONS

The following recommendations are made based on the conclusions of this work:

a. If promising assays are returned from the first drill holes, additional drilling should focus on the down plunge extension of the chargeable horizon.

Respectfully submitted,
AURORA GEOSCIENCES LTD.

PROFESSIONAL REGISTERED GEOPHYSICIST
LICENSEE
N.W.T.

Mike Power M.Sc. P.Geoph.
Geophysicist

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REFERENCES

Coggon, J.H. (1973). A comparison of IP electrode arrays. Geophysics Vol. 38, No 4. pp 737-761.

Hanneson, J.E. (1990) A model for interpreting IP/resistivity data from areas of steep dip and thin overburden. in: Fink, J.B. *et. al.* (ed.) Induced polarization: applications and case histories. Tulsa: Society of Exploration Geophysicists.

Hohmann, G.W. (1990) Three-dimensional IP models. in: Fink, J.B. *et. al.* (ed.) Induced polarization: applications and case histories. Tulsa: Society of Exploration Geophysicists.

Johnson, I.M. (1990) Spectral IP parameters derived from time domain measurements. in: Fink, J.B. *et. al.* (ed.) Induced polarization: applications and case histories. Tulsa: Society of Exploration Geophysicists.

Oldenburg, D.W. and Y. Li (1994) Inversion of induced polarization data. Geophysics Vol. 59. No. 9. pp. 1327-1341.

Sumner, J.S. (1976) Principles of Induced Polarization for Geophysical Exploration. New York: Elsevier.

Telford, W.M., L.P. Geldart and R.E. Sheriff (1990) Applied Geophysics (2nd Edition) New York: Cambridge University Press.

APPENDIX A. CERTIFICATE

I, Michael Allan Power, M.Sc. P.Geo., P.Geoph., with business and residence addresses in Whitehorse, Yukon Territory do hereby certify that:

1. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (registration number 21131) and a professional geophysicist registered by the Northwest Territories Association of Professional Engineers, Geologists and Geophysicists (licensee L942).

2. I am a graduate of the University of Alberta with a B.Sc. (Honours) degree in Geology obtained in 1986 and a M.Sc. in Geophysics obtained in 1988.

3. I have been actively involved in mineral exploration the Northern Cordillera since 1988.

4. I have no interest, direct or indirect, nor do I hope to receive any interest, direct or indirect, in Kobex Resources Ltd. or any of its properties.

Dated this 18th day of October 2004 in Whitehorse, Yukon.

Respectfully Submitted,

Michael A. Power M.Sc. P. Geoph. P.Geo.

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Respectfully Submitted,

Michael A. Power M.Sc. P. Geoph. P.Geo.

APPENDIX B. SURVEY LOG

AURORA GEOSCIENCES LTD.
LINECUTTING & IP SURVEY LOG
JOB KBX-04-002-BC
KOBEX RESOURCES LTD.
MOR PROPERTY

Period: July 12th - July 23rd, 2004

Personnel:
Shawn Horte (SH) Geophysicist
Andre Lebel (AL) Technician
Jean Francois Page (JF) Helper
Tyson Bourgard (TB) Helper

Mon Jul 12 04

Mobe
Mike Power drives crew to Morley River where we met Discovery Helicopters at 9:15. Slung 3 loads of gear and 2 loads of personnel. TB & AL set up camp and SH & JF start cutting baseline.
Production: *400m*

Tue Jul 13 04

Linecutting
JF cuts line and TB clears on line 2300E. SH cuts line and AL clears on baseline.
Wx: Hot, mid 20's
Production: *850m*

Wed Jul 14 04

Linecutting
TB cuts line and JF clears line. Finish line 2300E and start line 2400E. SH cuts line and AL clears. Finish baseline and start line 3100E.
Wx: hot
Production: *950m*

Thur Jul 15 04

Linecutting
JF cuts line and TB clears line. Finish line 2400E and start line 2500E. SH cuts line and AL clears. Finish line 3100E and complete line 3000E. No water found yet.
Wx: Hot
Production: *1,050m*

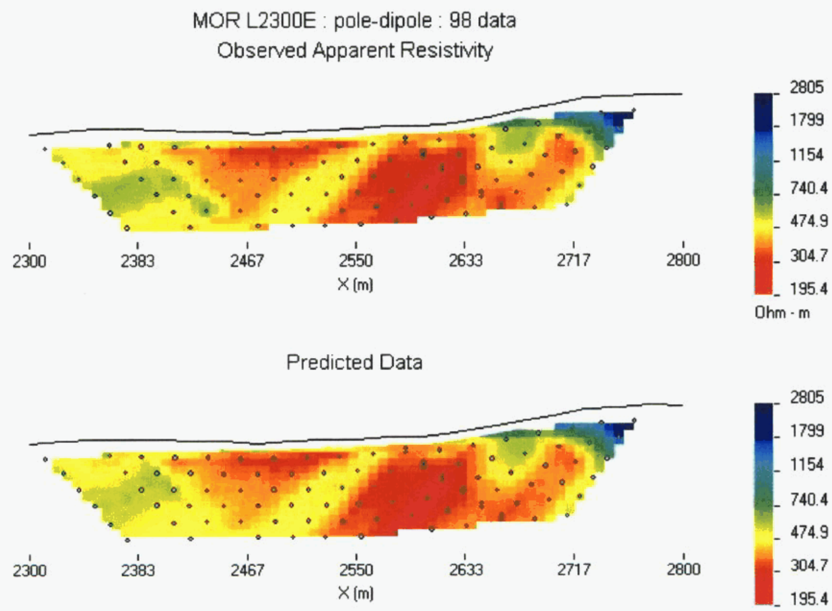
Fri Jul 16 04	Linecutting Slow cutting through alders. TB cuts line and JF clears line. Finish line 2500E and start line 2600E. SH cuts line and AL clears. Starts and completes line 2900E. *Wx: still hot, mit to high 20's* *Production:* *850m*	
Sat Jul 17 04	Linecutting Camp very low on water. JF cuts line and TB clears line. Finish line 2600E. SH & AL walk to lake to get water then cut line 2800E. *Wx: mid 20's* *Production:* *400m*	
Sun Jul 18 04	Linecutting JF cuts line and TB clears line. Cut ½ of line 2700E. SH & AL lay out cable on line 2300 and positioned generator and transmitter with chopper at top of hill *Production:* *600m*	
Mon Jul 19 04	Linecutting/IP Survey SH & AL finish cutting and clearing line 2800E and start on line 2700E. JF & TB Finish cutting line 2700E. All four do IP in the afternoon on lines 2300 & 2400. *Production:* *300m (linecutting)* *1,000m (IP)*	
Tue Jul 20 04	IP Survey Ran IP survey on lines 2500E, 2600E and 2700E. *Production:* *1,500m (IP)*	
Wed Jul 21 04	IP Survey Ran IP survey on lines 2800E, 2900E and started line 3000E. *Production:* *1,100m)IP)*	
Thur Jul 22 04	IP Survey Completed IP on line 3000E. *Production:* *400m (IP)*	
Fri Jul 23 04	Demobe Mike Power drives from Whitehorse to demobe crew. Arrive back in town late afternoon	

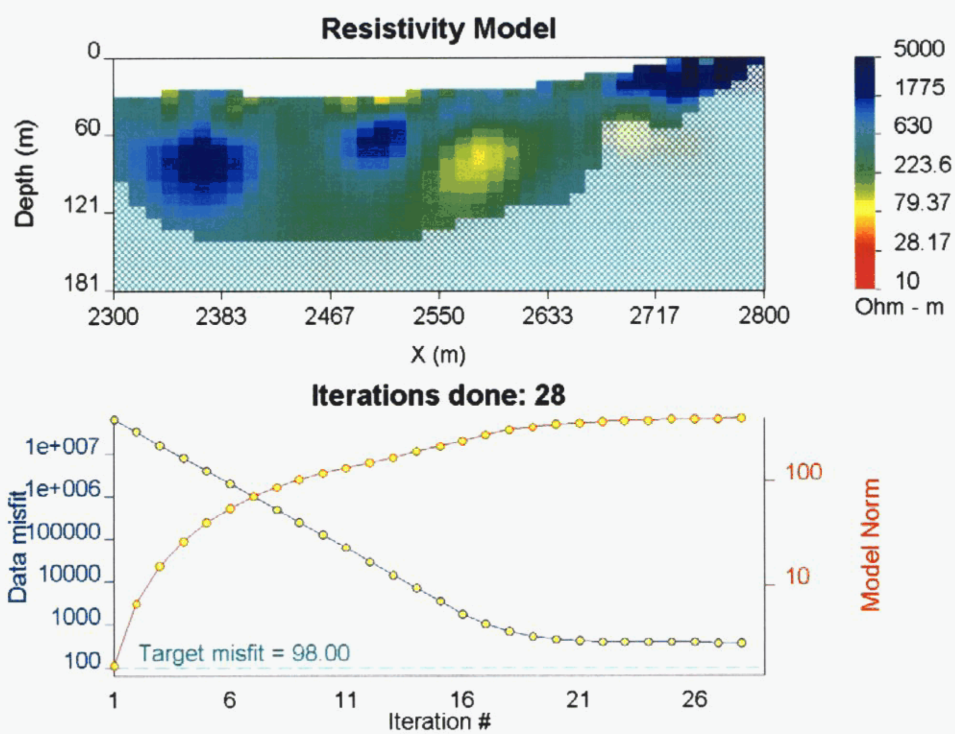
Total Production:	**Linecutting**	**5.400km**
	IP Survey	**4.500km**

APPENDIX C. INSTRUMENT SPECIFICATIONS

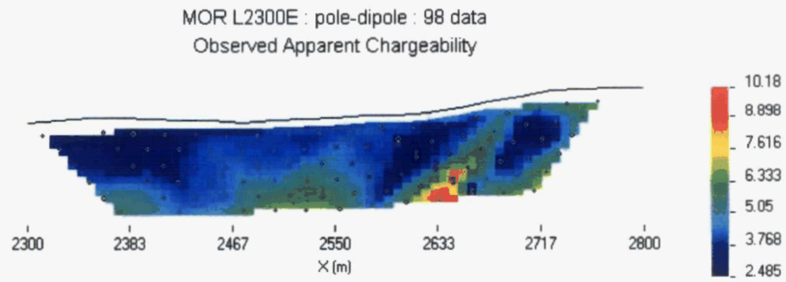
APPENDIX D. INVERSION RESULTS

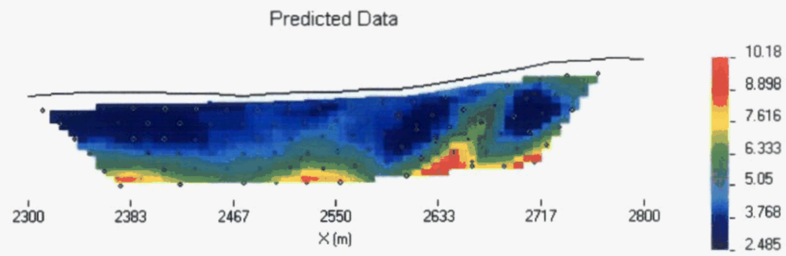
LINE 2300E - RESISTIVITY

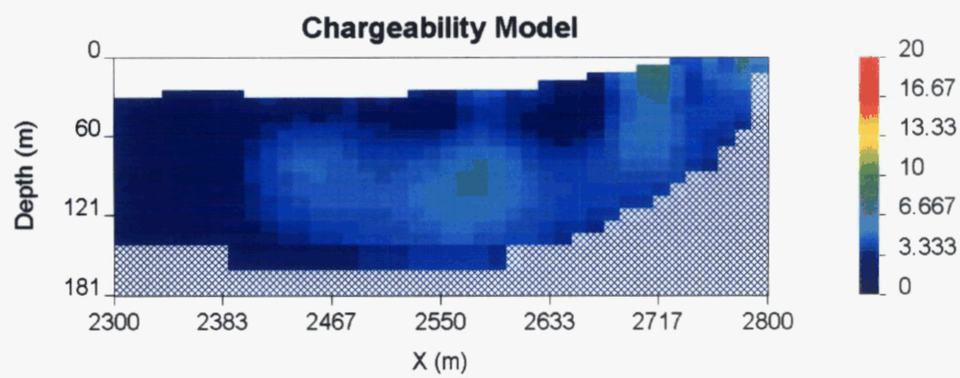


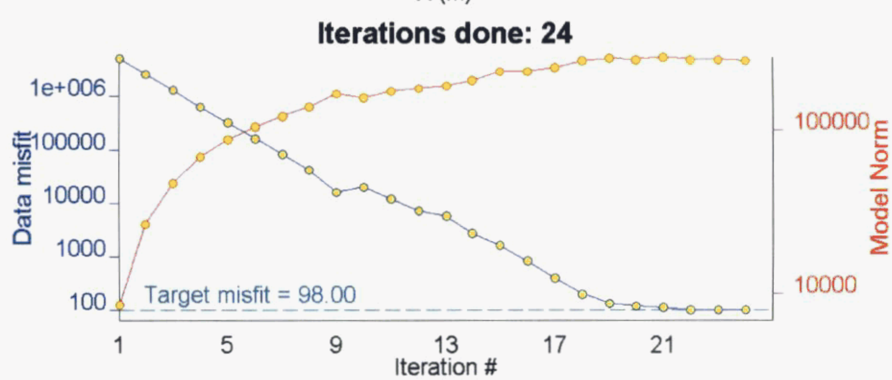


LINE 2300E - CHARGEABILITY





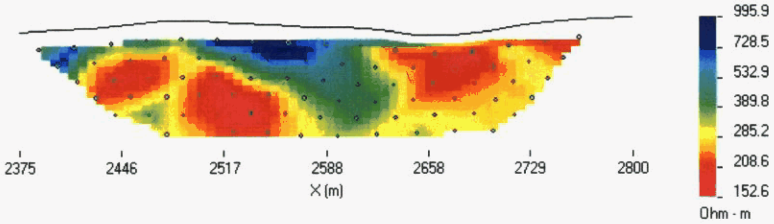




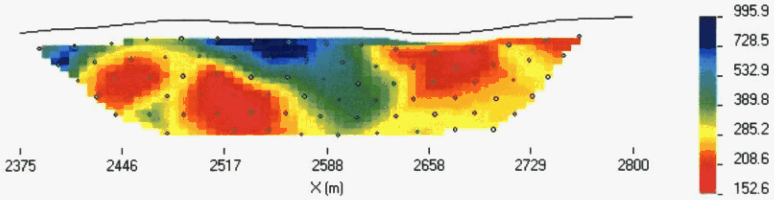
LINE 2400E - RESISTIVITY

MOR L2400E : pole-dipole : 79 data

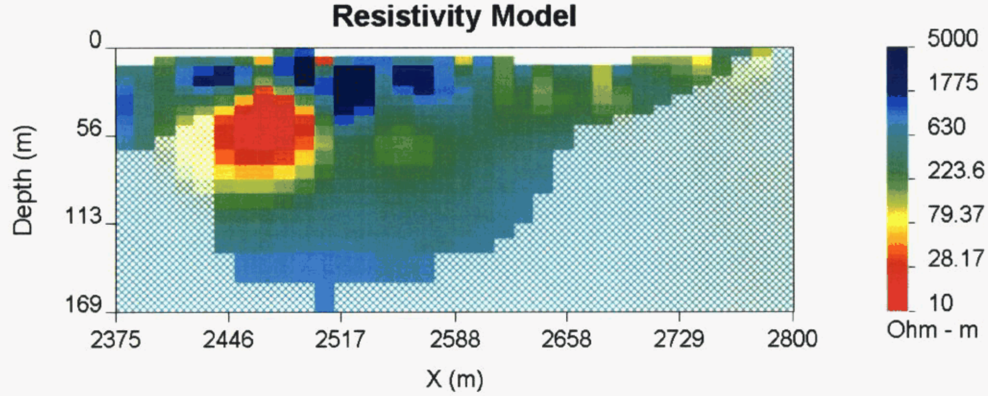
Observed Apparent Resistivity



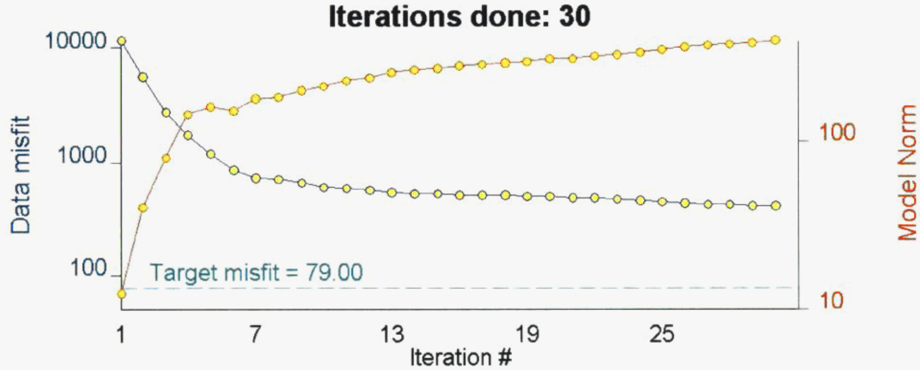
Predicted Data



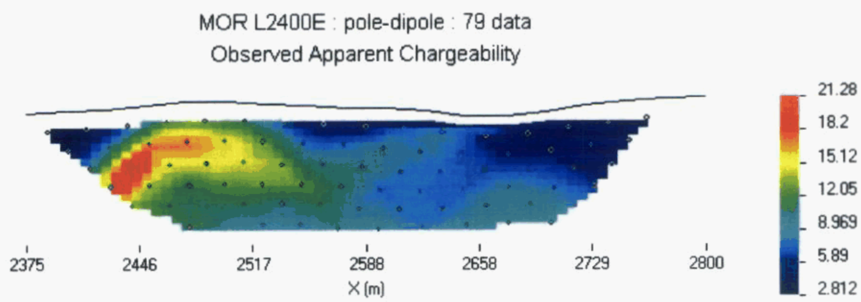
Resistivity Model

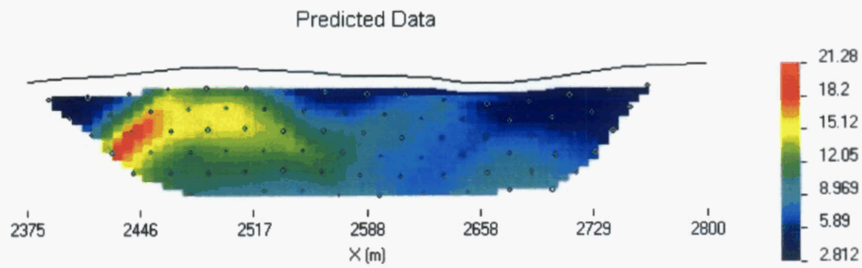


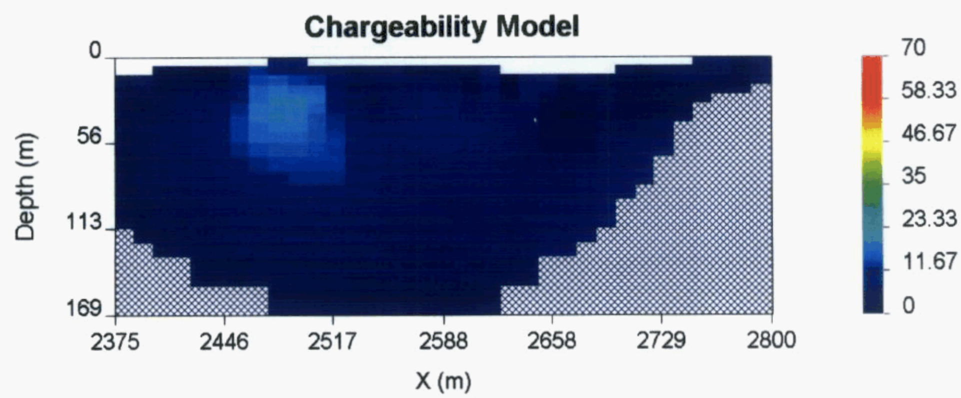
Iterations done: 30

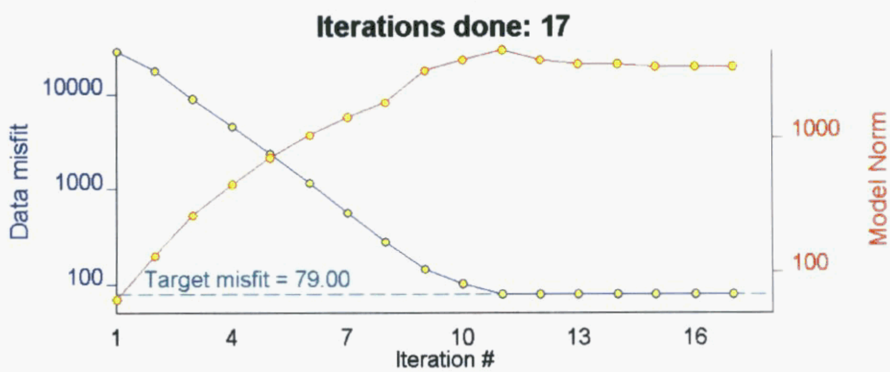


LINE 2400E - CHARGEABILITY





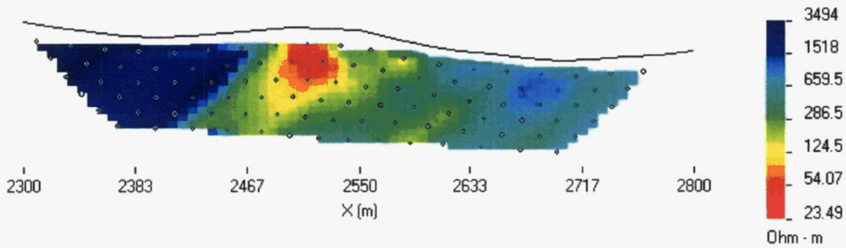




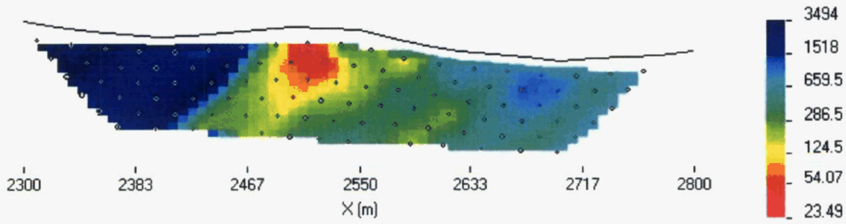
LINE 2500E - RESISTIVITY

MOR L2500E : pole-dipole : 99 data

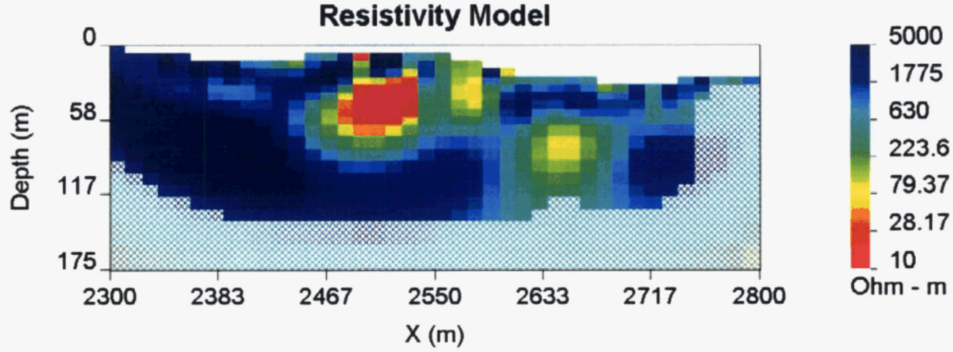
Observed Apparent Resistivity



Predicted Data



Resistivity Model



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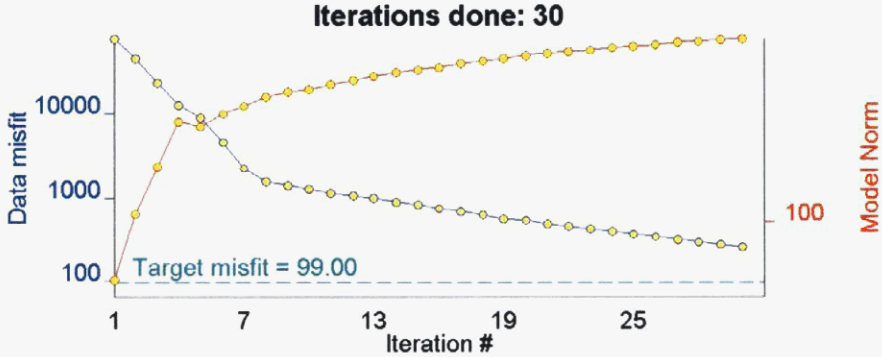

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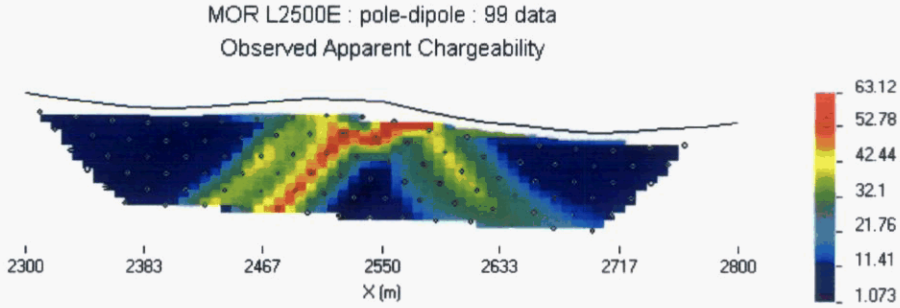
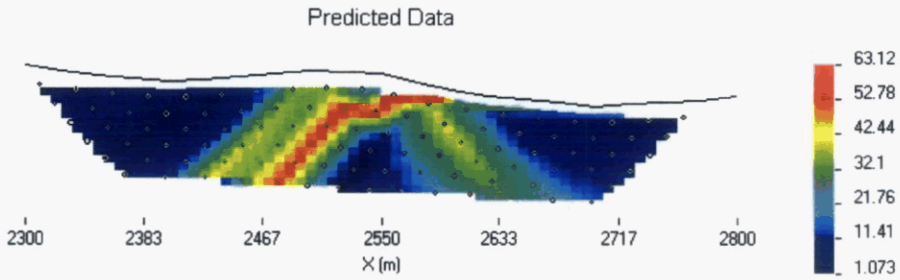
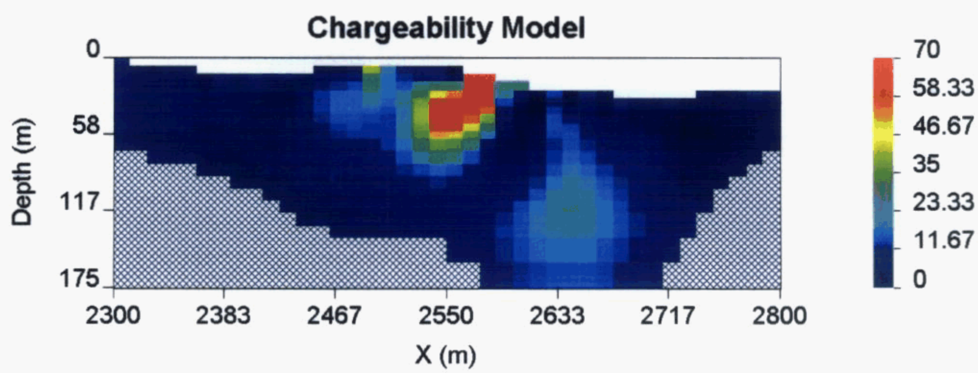
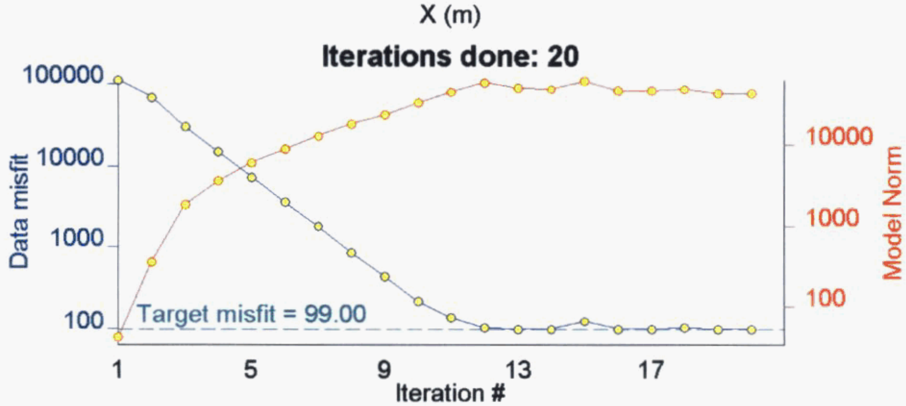
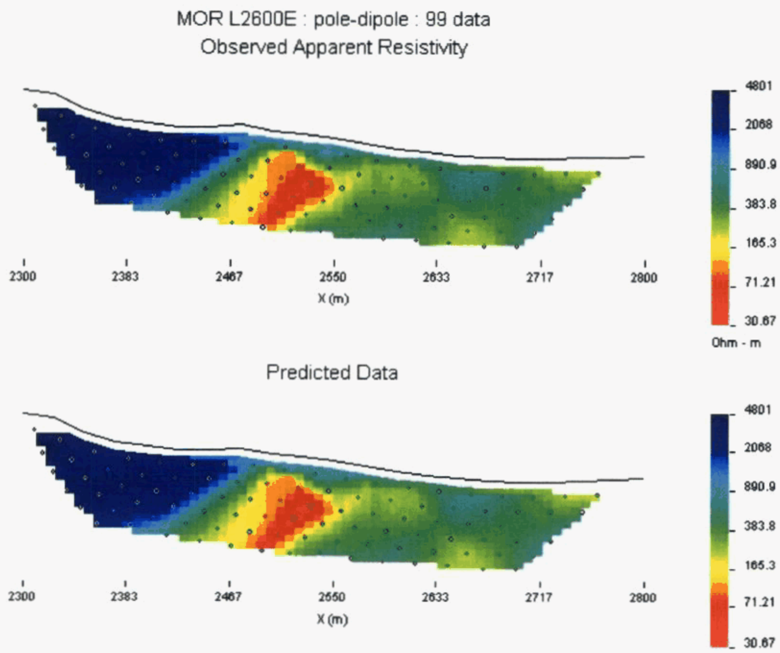


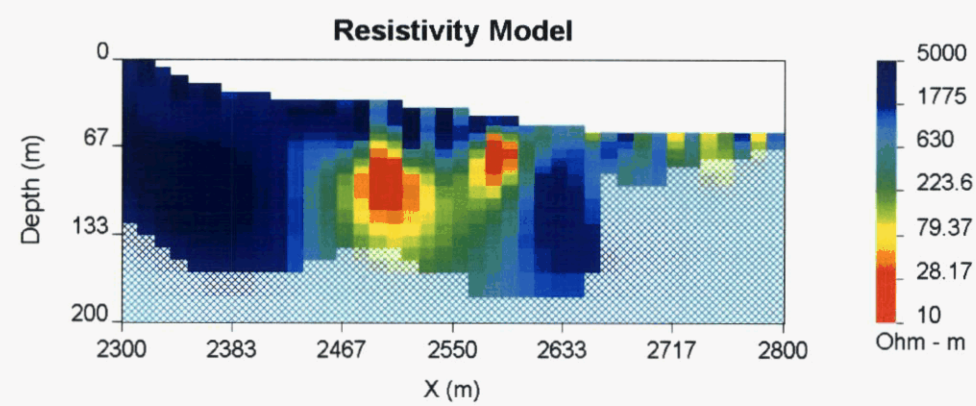


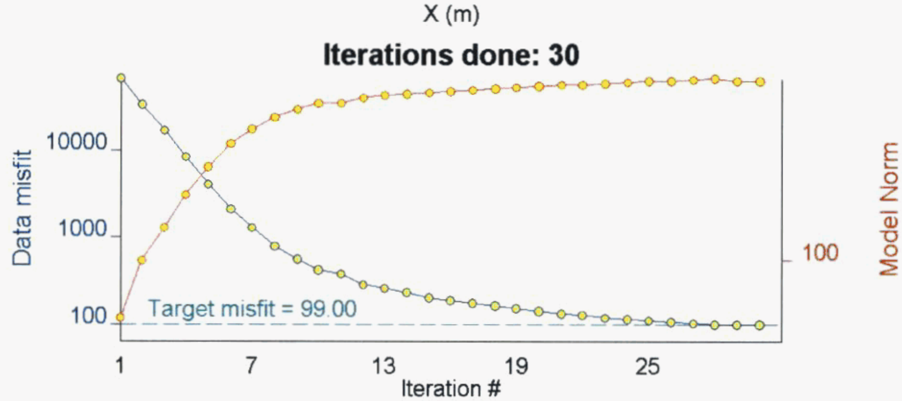




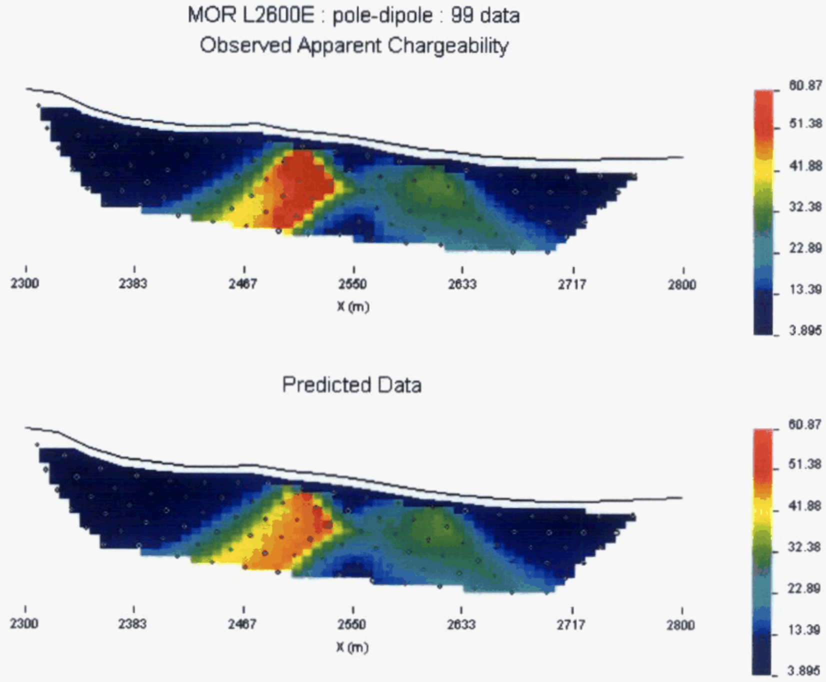
LINE 2600E - RESISTIVITY

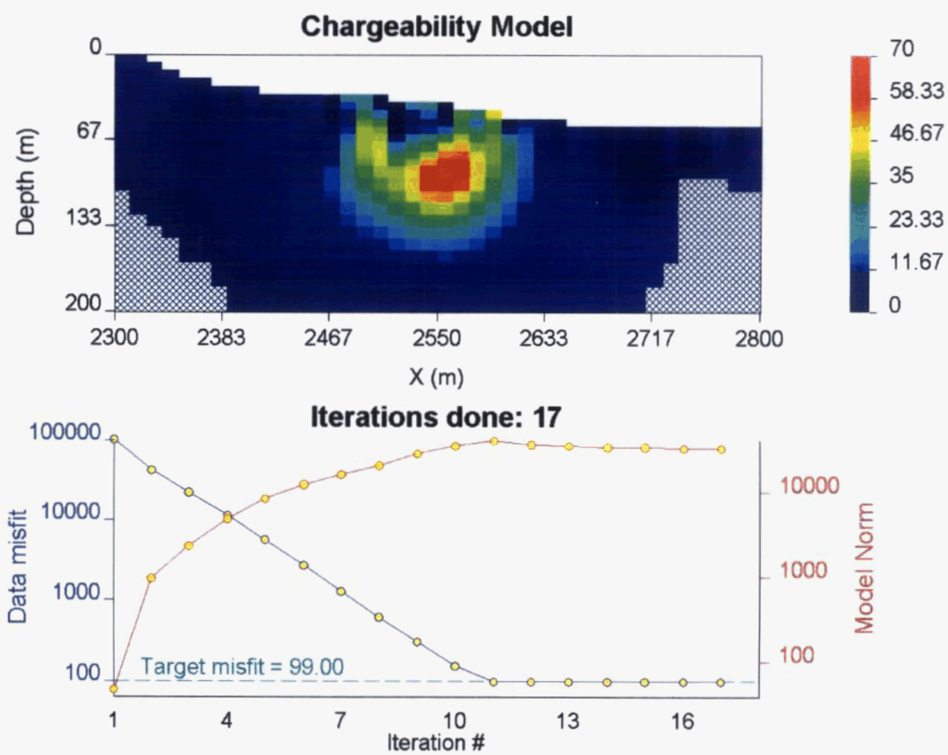




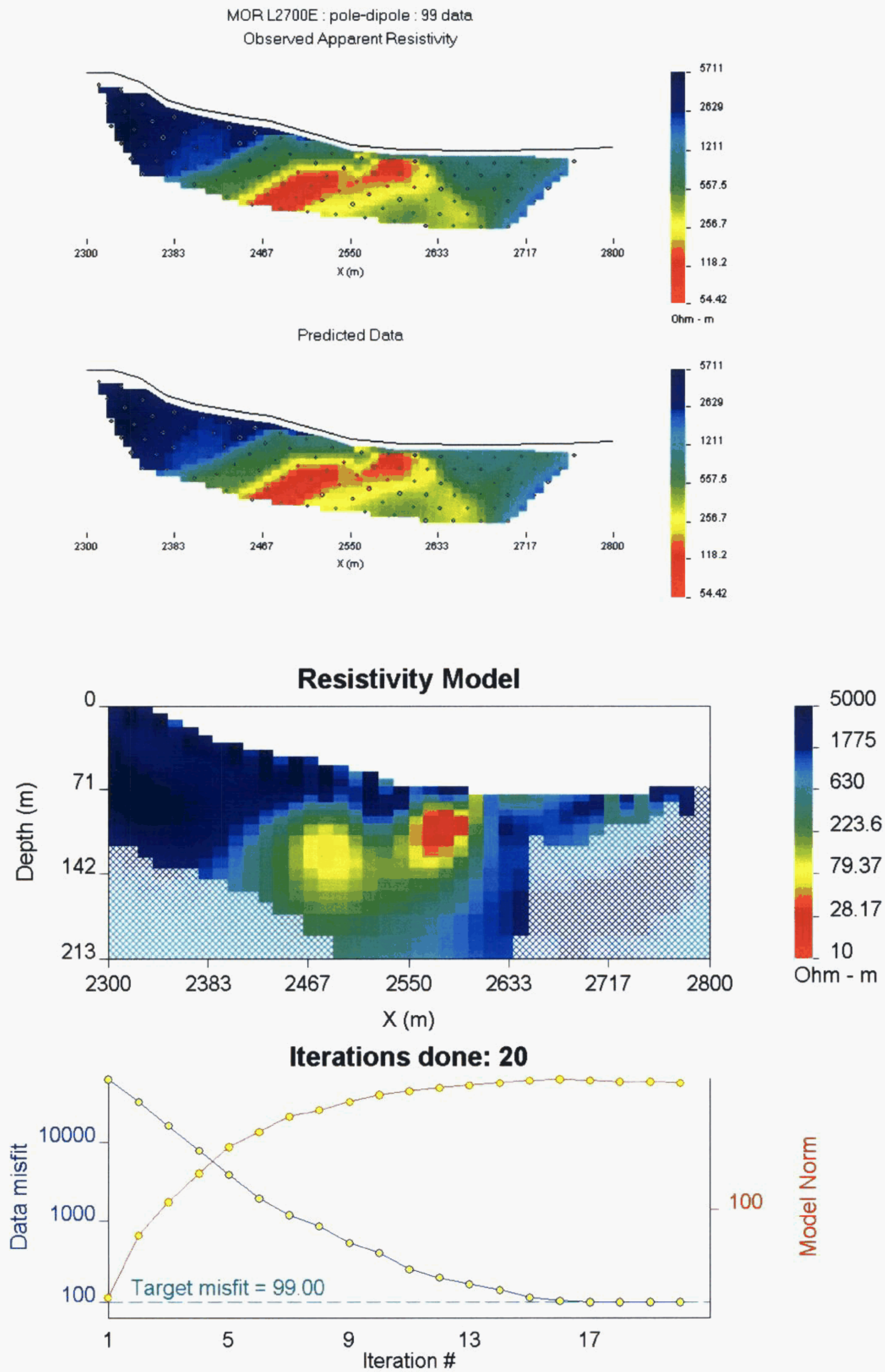


LINE 2600E - CHARGEABILITY

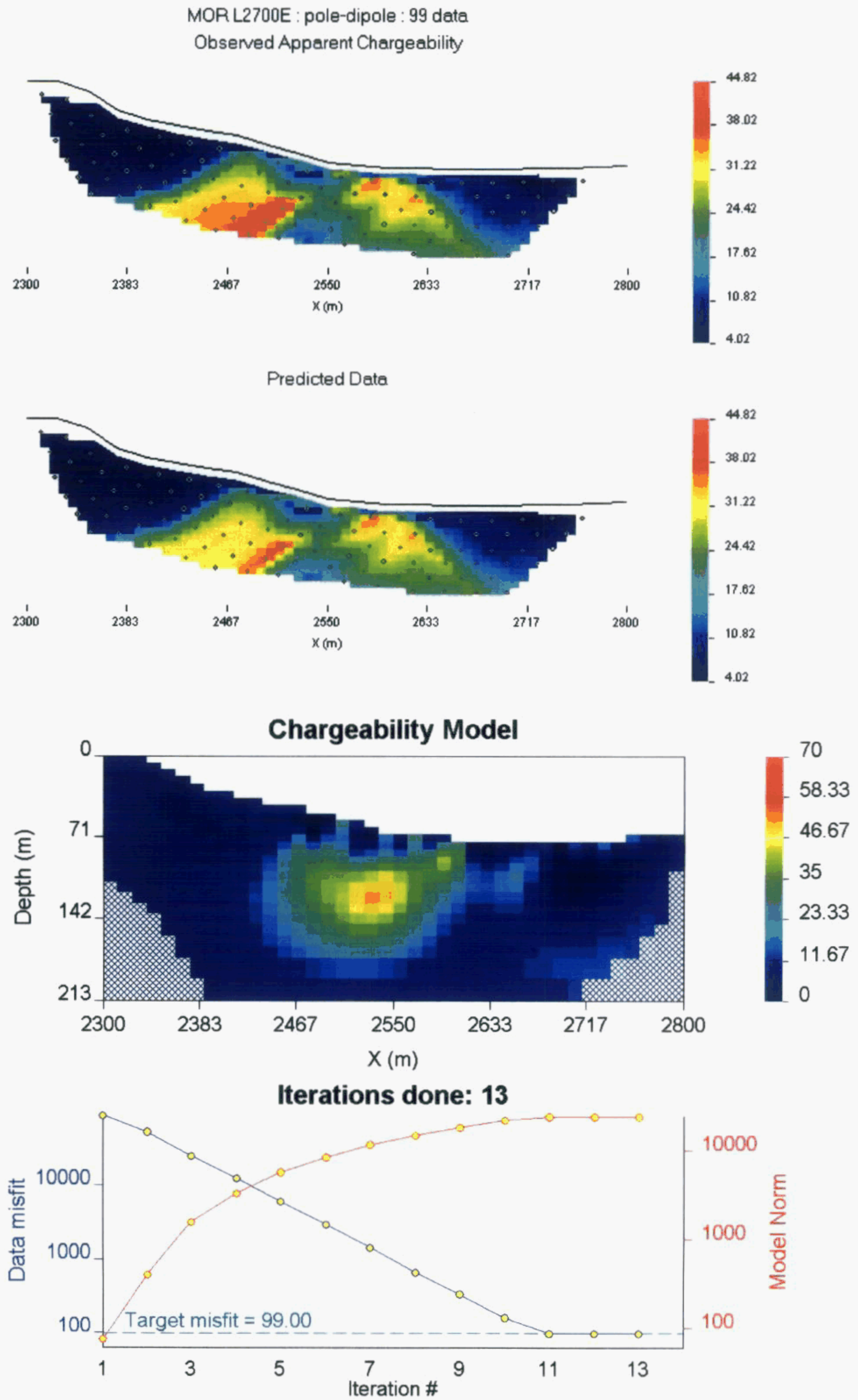




LINE 2700E - RESISTIVITY

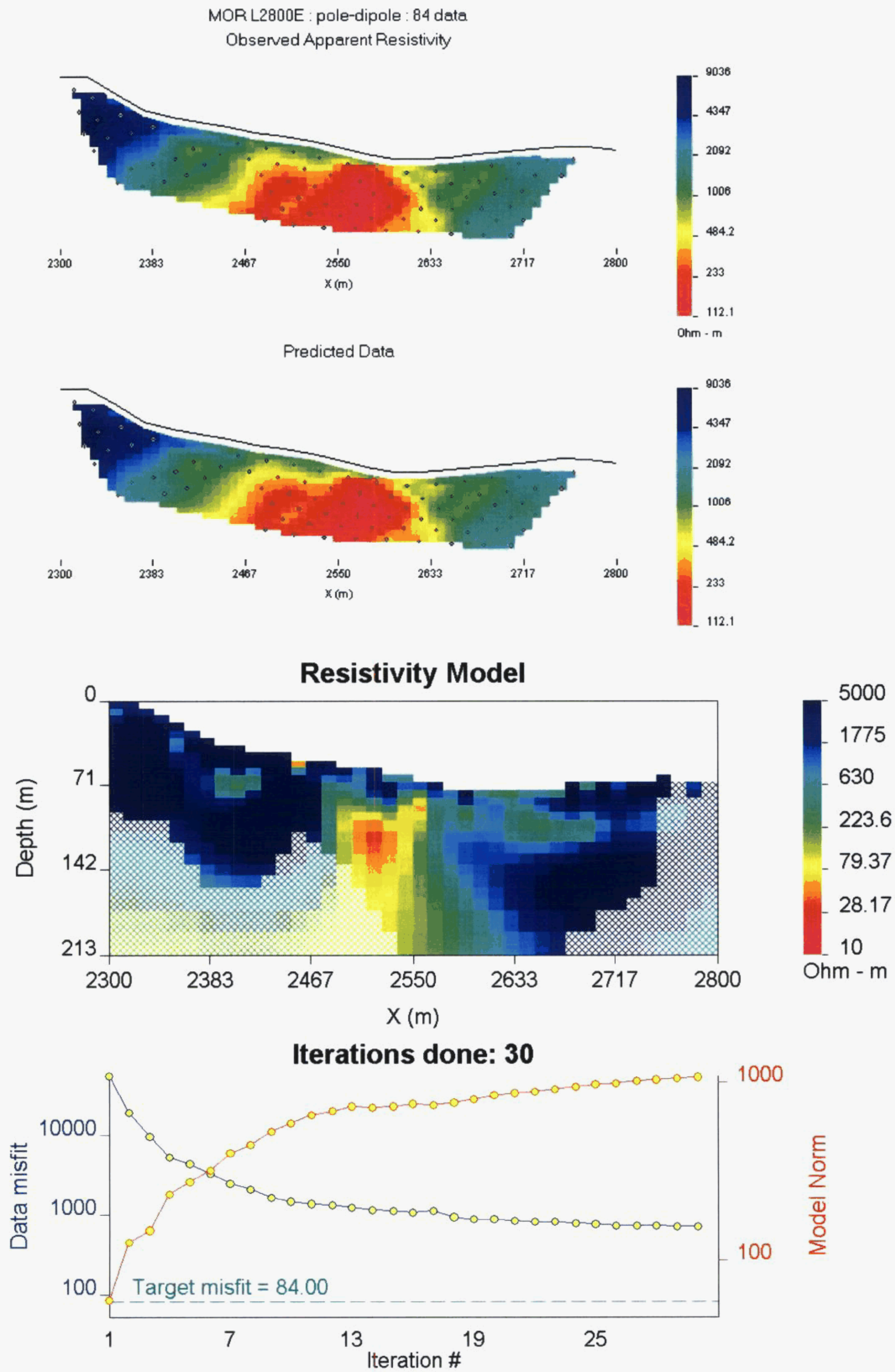


LINE 2700E - CHARGEABILITY


MOR L2700E : pole-dipole : 99 data
Observed Apparent Chargeability
44.82
38.02
31.22
24.42
17.62
10.82
4.02
2300
2383
2467
2550
2633
2717
2800
X (m)
Predicted Data
44.82
38.02
31.22
24.42
17.62
10.82
4.02
2300
2383
2467
2550
2633
2717
2800
X (m)
Chargeability Model
Depth (m)
0
71
142
213
2300
2383
2467
2550
2633
2717
2800
X (m)
70
58.33
46.67
35
23.33
11.67
0
Iterations done: 13
Data misfit
10000
1000
100
Target misfit = 99.00
Model Norm
10000
1000
100
1
3
5
7
9
11
13
Iteration #

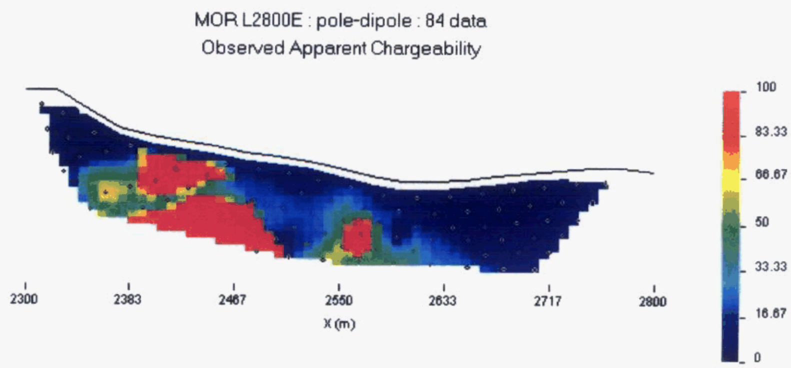
LINE 2800E

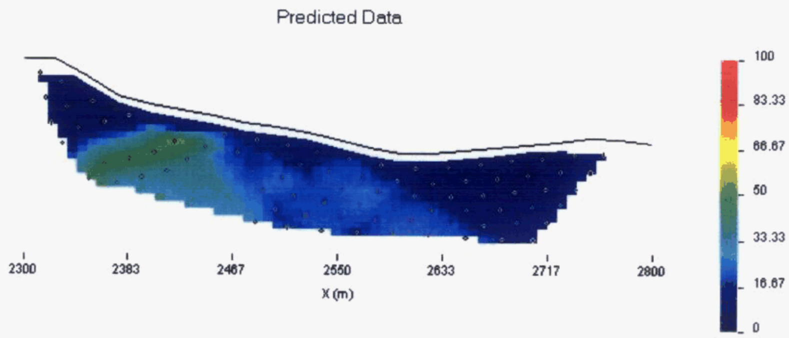
- RESISTIVITY

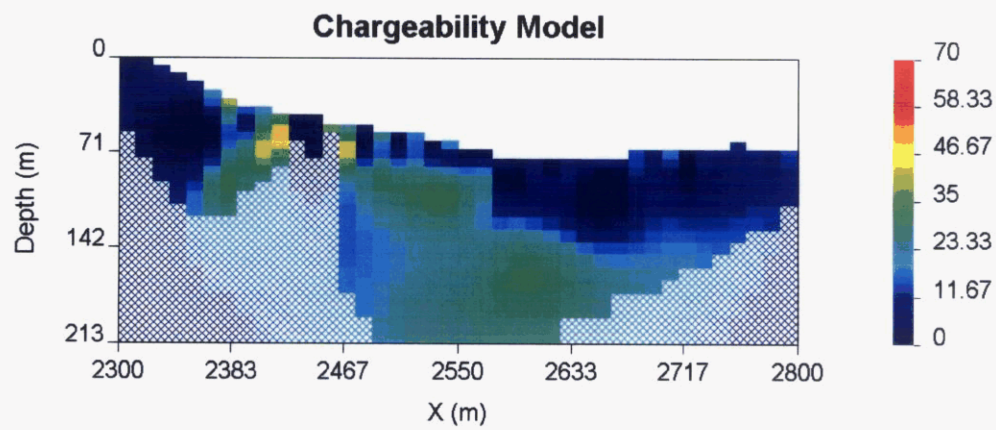


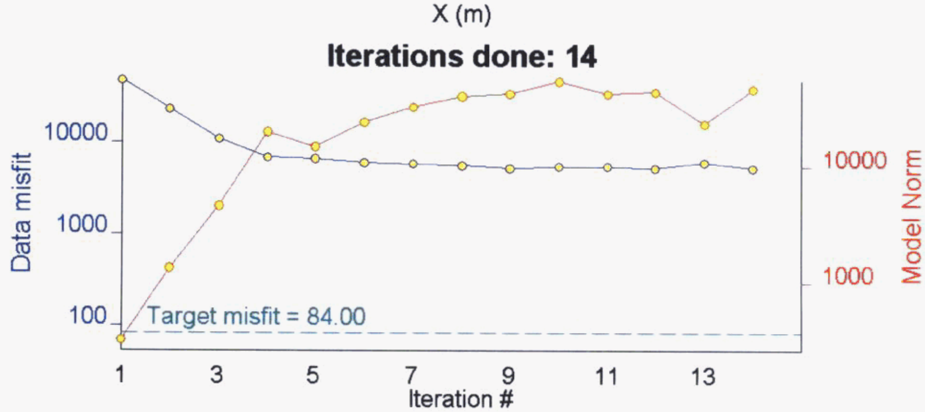
LI NE

2800E - CHARGEABILITY

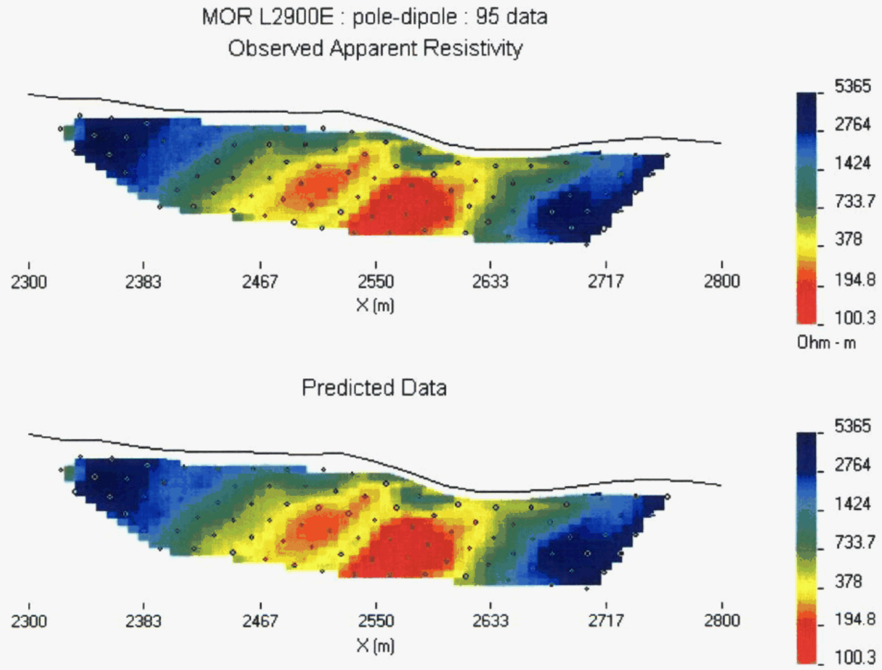


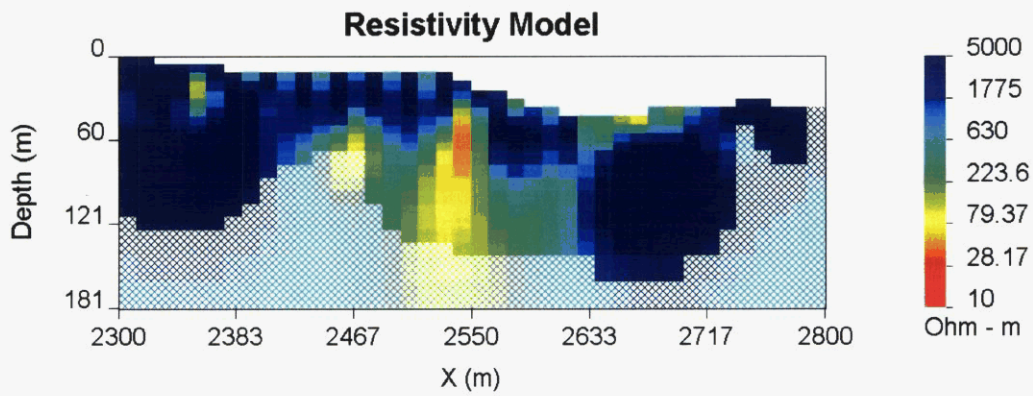


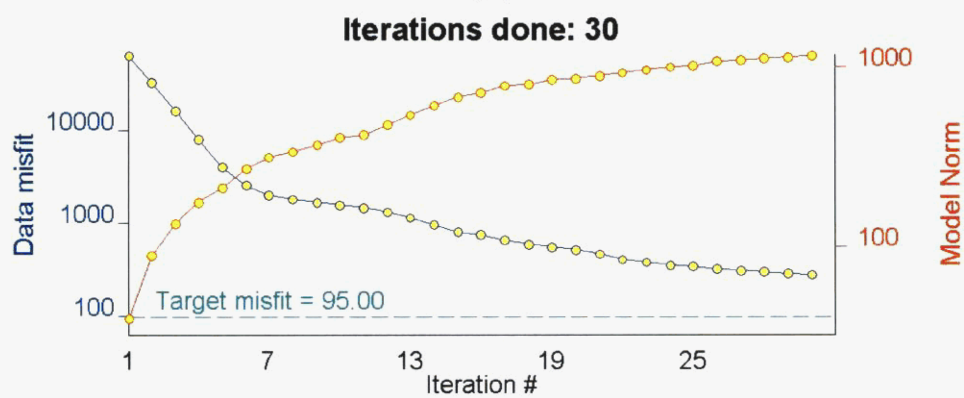




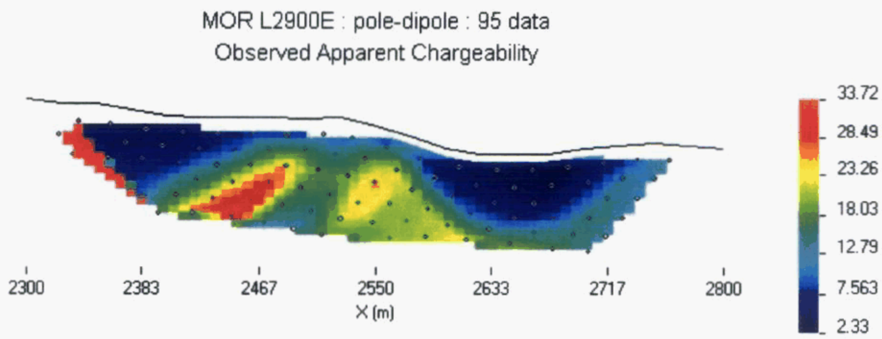
LINE 2900E - RESISTIVITY

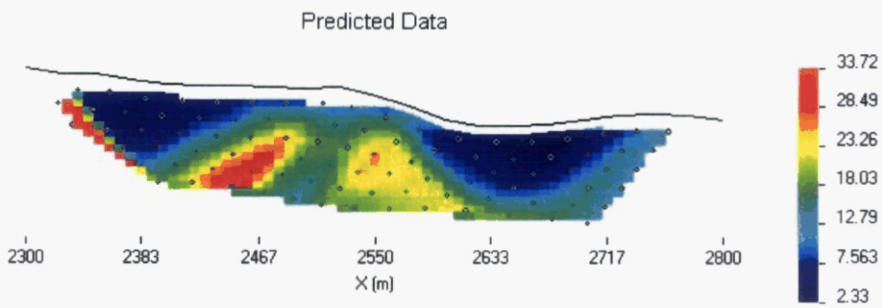


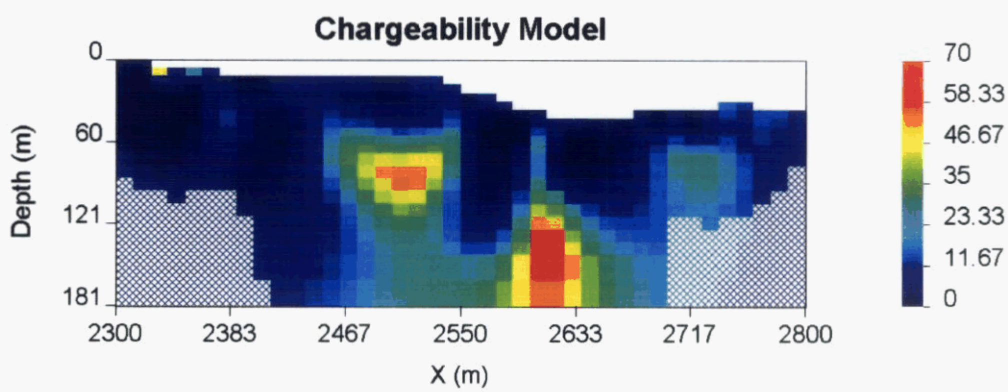


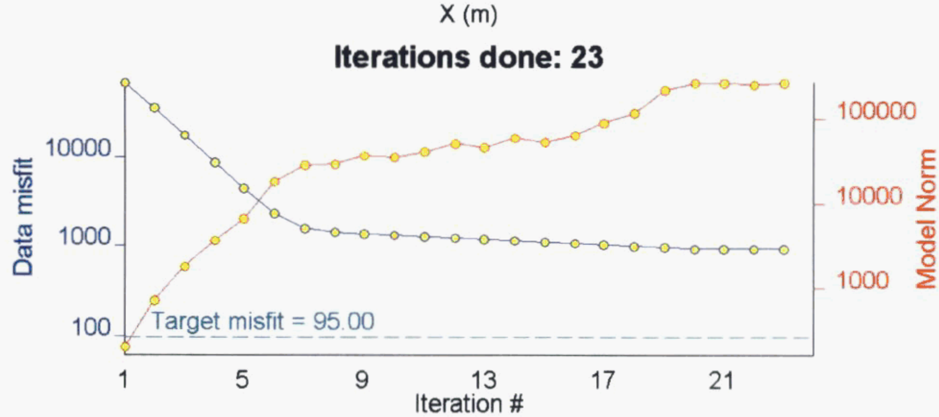


LINE 2900E - CHARGEABILITY

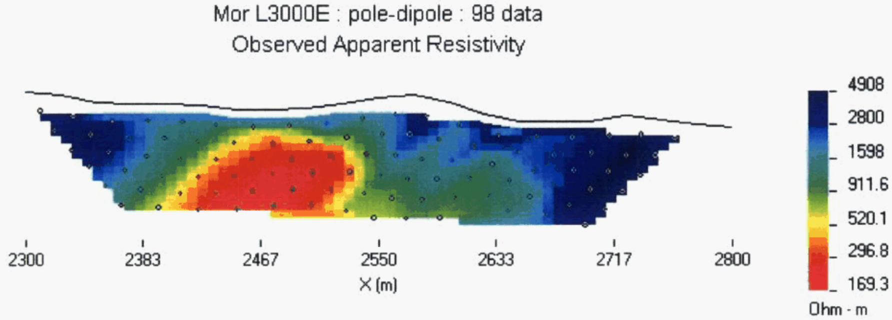


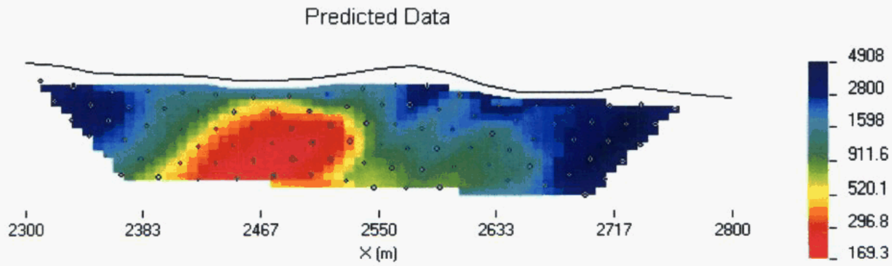


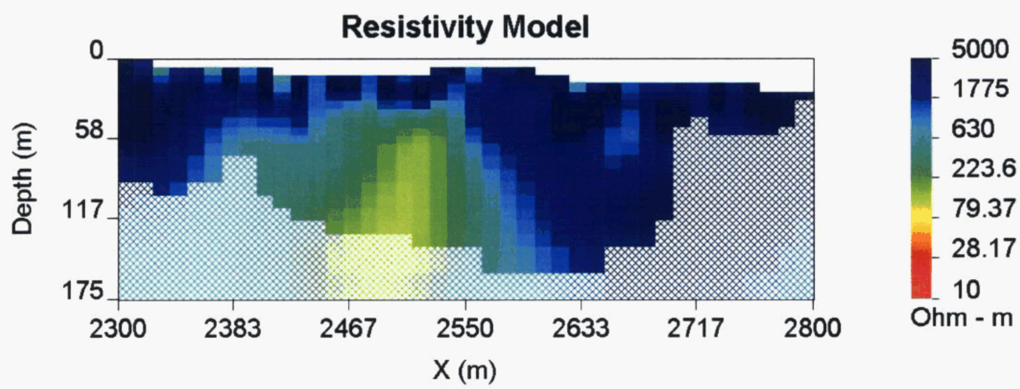


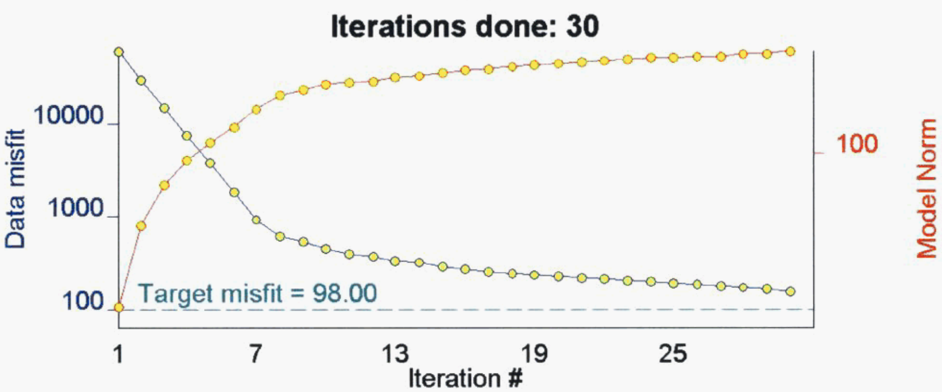


LINE 3000E - RESISTIVITY



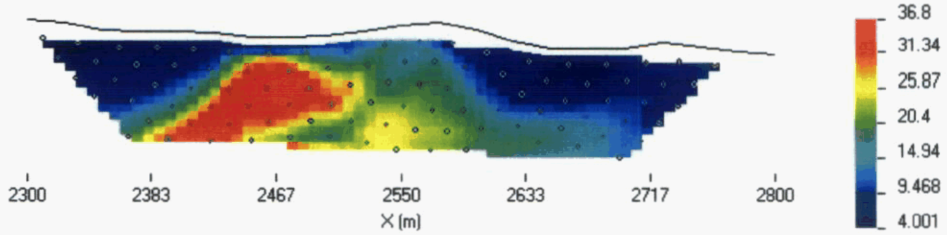




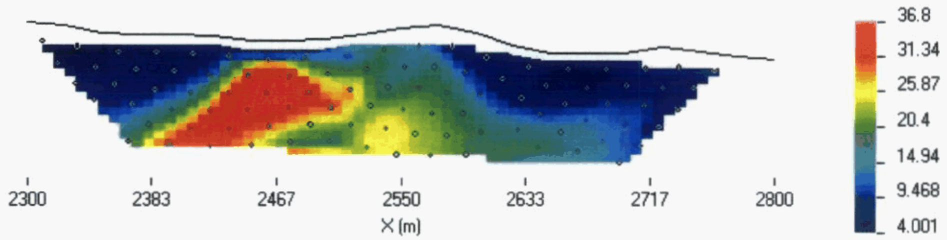


LINE 3000E - CHARGEABILITY

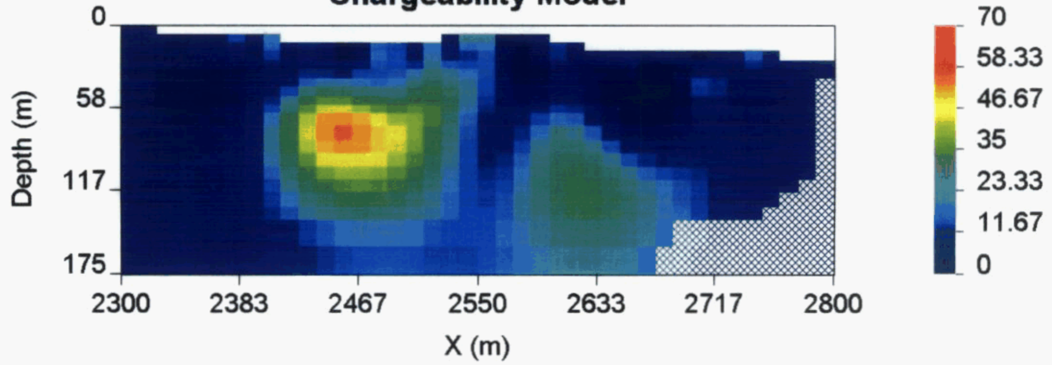
MOR L3000E : pole-dipole : 98 data
Observed Apparent Chargeability



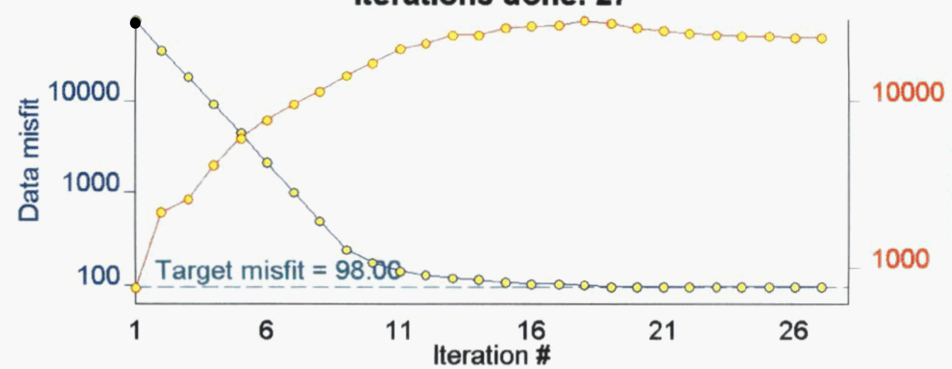
Predicted Data



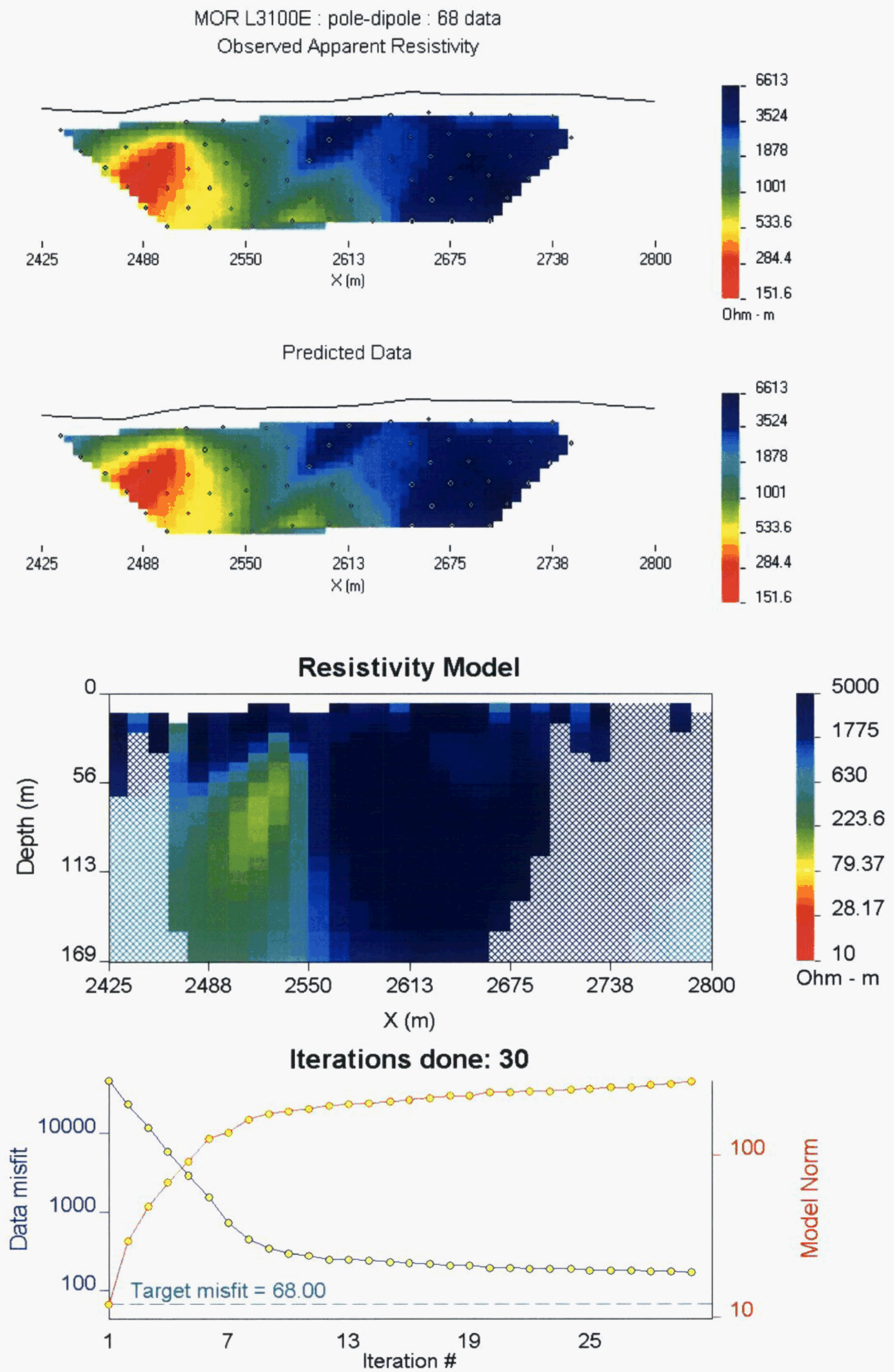
Chargeability Model



Iterations done: 27

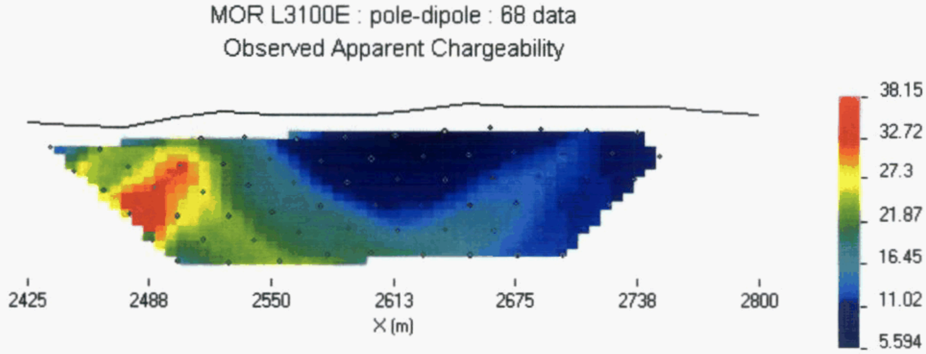


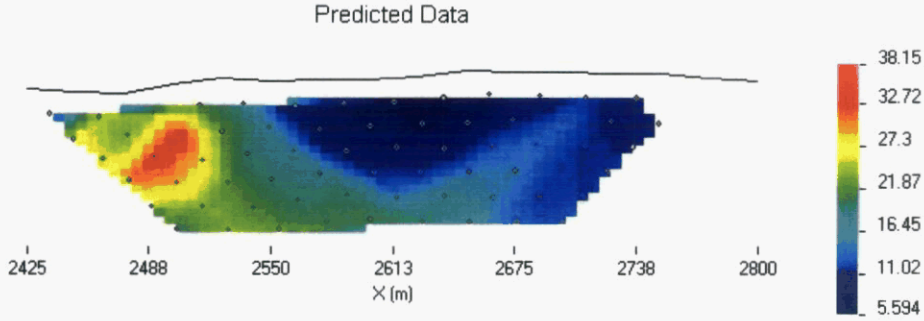
LINE 3100E - RESISTIVITY

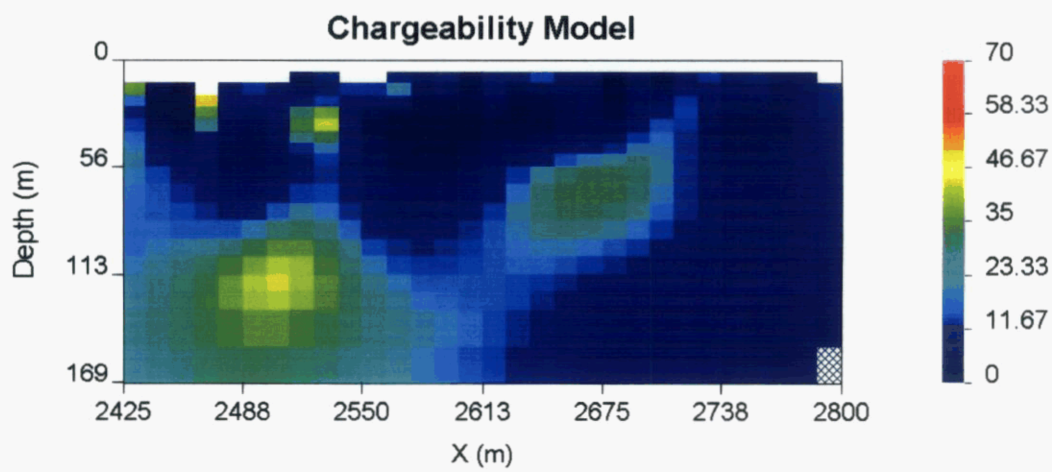

MOR L3100E : pole-dipole : 68 data
Observed Apparent Resistivity
2425 2488 2550 2613 2675 2738 2800
X (m)
6613 3524 1878 1001 533.6 284.4 151.6
Ohm - m
Predicted Data
2425 2488 2550 2613 2675 2738 2800
X (m)
6613 3524 1878 1001 533.6 284.4 151.6
Resistivity Model
Depth (m)
0 56 113 169
2425 2488 2550 2613 2675 2738 2800
X (m)
5000 1775 630 223.6 79.37 28.17 10
Ohm - m
Iterations done: 30
Data misfit
10000 1000 100
Target misfit = 68.00
Model Norm
100 10
1 7 13 19 25
Iteration #

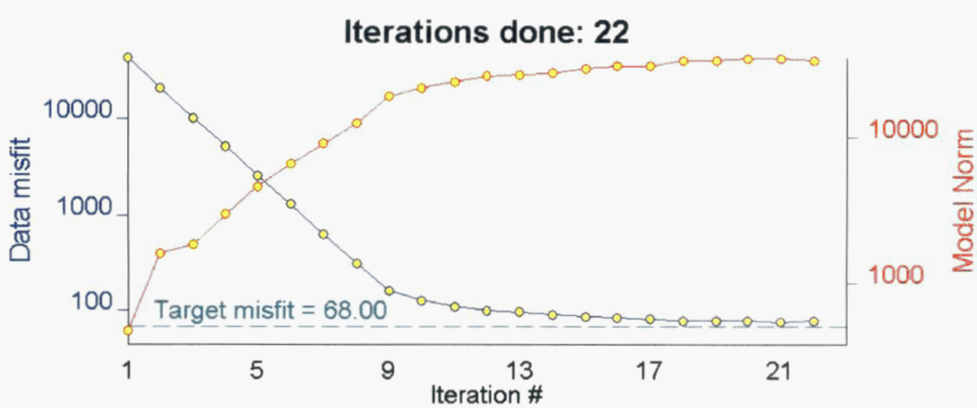
LIN E

3100E - CHARGEABILITY









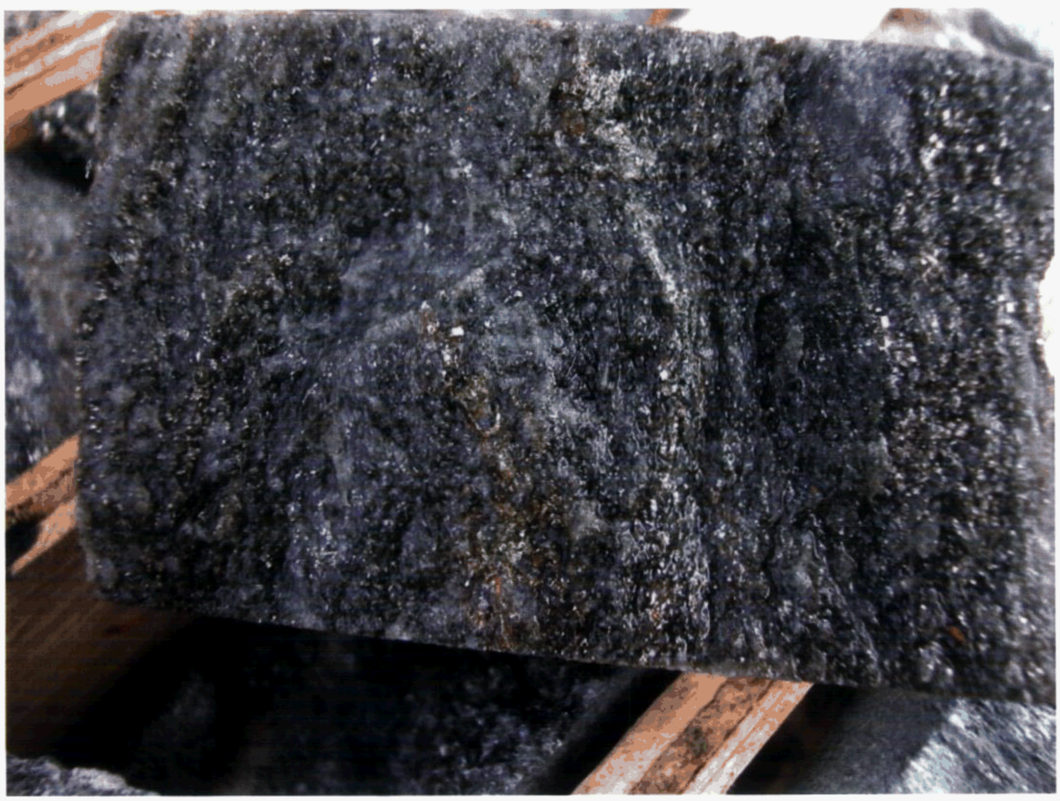
Appendix VI

Photoplates

LOGGING CORE MORLEY RIVER : C. DOWNIE, M. COPRON

DDHMO4-02 SEMIMASSIVE SULPHIDE

DDHM04-01 HEAVILY DISSEMINATED PYRITE 19.9-20.95m



DDHM04-01 PYRITE WITH CHALCOPYRITE 19.9-20.95m