



**SUMMARY REPORT ON THE
1996 DIAMOND DRILL PROGRAM
IOTA/MAMMOTH PROJECT
DOLORES CREEK AREA, YUKON**

MAYO MINING DISTRICT, YUKON

093523

Location: 1. 200 km NE of Mayo, Yukon
2. NTS 106 C/14
3. Latitude 64° 56' N
Longitude 133° 13' W

For: **MONTORO RESOURCES INC.**
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September 12, 1996

SUMMARY

The Iota/Mammoth property consists of 98 mineral claims located 200 km NE of Mayo, Yukon, within NTS map area 106C/14. The Iota/Mammoth property is owned by West Lake Ltd., under an option agreement with Zelon Enterprises Ltd. The claims are accessible by fixed wing to the airstrip on the Bonnet Plume River or by float plane to Glacier Lake. Final access is by helicopter. The Bonnet Plume area has recently been the focus of exploration for Olympic Dam style Cu, U, Co, Au, Ag mineralization associated with metasomatized Wernecke Breccias.

The regional geology is dominated by a thick sequence of Proterozoic sedimentary rocks. The Iota/Mammoth property is underlain by middle Proterozoic Gillespie Lake Group orange, massive dolomite with minor interbeds of argillite, limestone and some small sandstone lenses. Wernecke breccias outcrop just north and west of the area drilled in 1996. The rocks are highly faulted and extensively fractured and brecciated.

A total of 11 drill holes totalling 3,664 feet were drilled between July 8 and August 2, 1996. The drilling conditions were difficult and core recovery was poor.

The 1996 drill program confirmed that any significant gold-bearing deposits are found in small, shallow, surface zones within fault structures cutting massive dolomite and intruded by dykes probably genetically related to the Wernecke Breccias. Exploration drilling did not reproduce the results reported previously from surface trench samples. The best core assays were 6.5 feet grading 1645 ppb Au (0.048 opt Au) in DDH-03-96 between 89.5 and 96 feet and five feet grading 1635 ppb Au from DDH 09-96 between 412 and 417 feet.

It is recommended that exploration drilling on this property be suspended until additional surface mineralized zones are discovered. Some of the pulps could be analysed using a 31 element ICP analytical technique to determine if altered wall rock shows any significant geochemical signatures which could indicate the presence of mineralized systems at depth.

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INTRODUCTION

This report was prepared at the request of Mr. Rick Wilson, President of Montoro Resources Inc. Its purpose is to summarize the results of the 1996 diamond drilling program on the Iota/Mammoth project and to make recommendations for further work. The Iota/Mammoth project is owned by West Lake Ltd., under an option agreement with Zelon Enterprises Ltd. Montoro Resources Inc. can earn an interest in the property from West Lake Ltd., by completing certain work commitments.

The property is located about 200 kilometres northeast of Mayo, Yukon and is accessible by fixed wing aircraft or float-plane and then by helicopter.

The diamond drill program, consisting of 11 core drill holes totalling 3,664 feet, was completed between July 8 and August 2, 1996.

LOCATION AND ACCESS

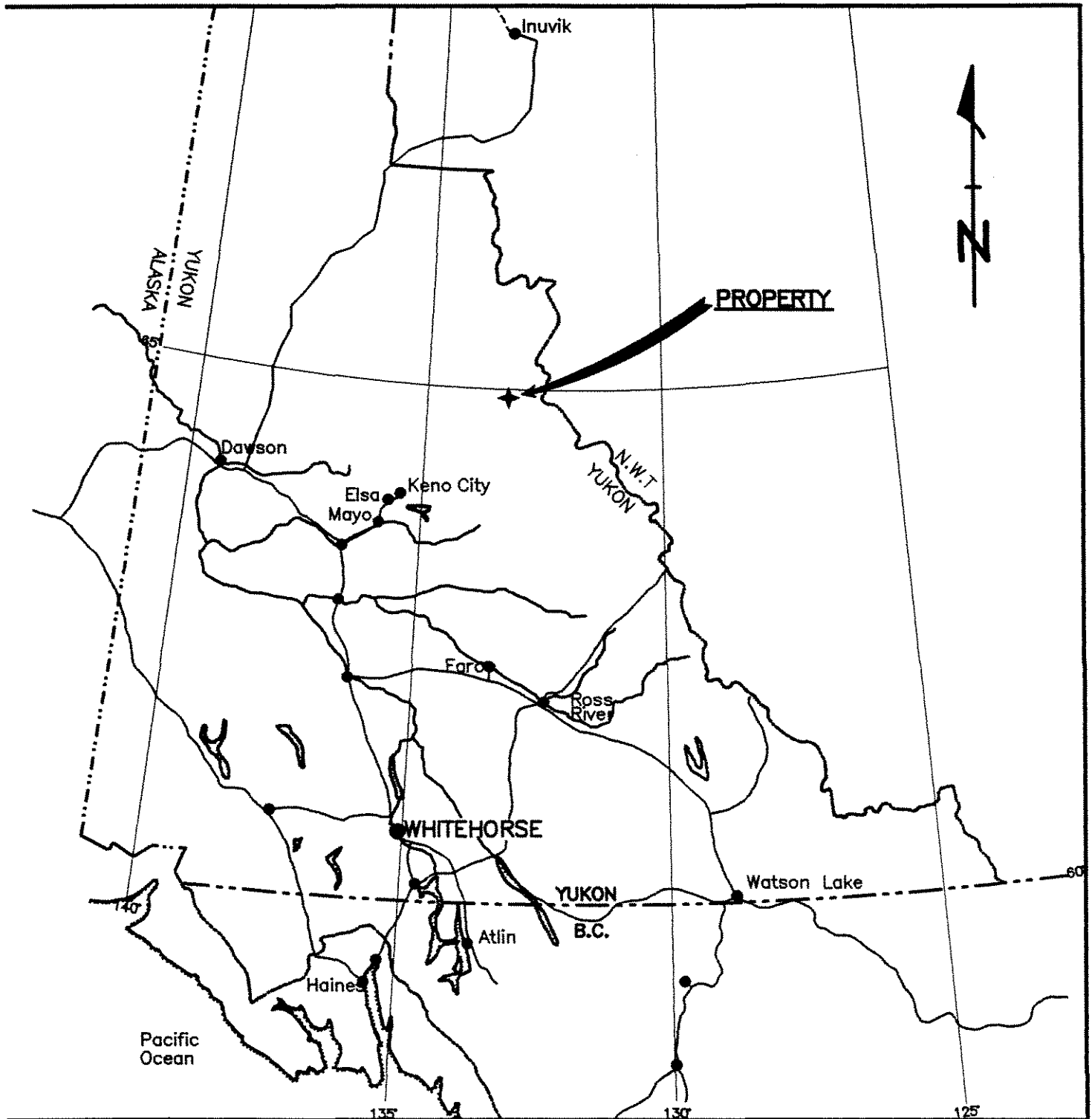
The claims are located in the Bonnet Plume ranges of the eastern Yukon, near the NWT-Yukon border about 200 kilometres northeast of Mayo, Yukon (Figure 1). The geographic co-ordinates of a point approximately in the centre of the main part of the property are 64° 56' North and 133° 13' West.

Access is by fixed wing to the airstrip on the Bonnet Plume River or by float plane to Glacier Lake which is 15 km southwest of the area of interest. Final access to the property is by helicopter.

CLIMATE, TOPOGRAPHY AND VEGETATION

The typical climate in this part of eastern Yukon is locally variable. Summers are short and winters are cold. Precipitation is light, averaging about 40 cm (15.7") annually. During the months of June and July there is almost continuous daylight. The exploration season extends from June through to early September.

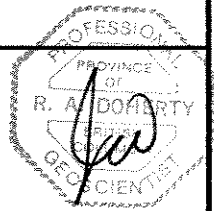
The property is in rugged mountainous terrain of the Bonnet Plume ranges. Elevations on the property range from 3500 to 7000 feet above sea level. The area has been greatly modified by Pleistocene glaciation, and glacial features such as U-shaped valleys, aretes and cirques are common. Upper elevations are mostly outcrop but the lower elevations are often covered by talus aprons. Vegetation is sparse and consists of alpine grasses, sedges and willows.



MONTORO RESOURCES LTD.

**IOTA CLAIMS
MAYO MINING DISTRICT**

**PROPERTY
LOCATION
MAP**



Aurum Geological Consultants Inc. | date: AUGUST, 1996
 NTS: 106 C/14 | drawn: JC | scale: 1:6,000,000 | figure: 1

HISTORY

Considerable prospecting was carried out in the Bonnet Plume area beginning in the early 1900's. The area became more active in the 1960's and 70's, culminating in the discovery of numerous gold and silver (and related metals) occurrences. Recent attention has focused on Olympic Dam style Cu, U, Co, Au, Ag mineralization associated with metasomatized Wernecke Breccias.

PROPERTY

The property consists of 64 two-post unsurveyed contiguous quartz mineral claims (Figure 2), staked under the Yukon Quartz Mining Act and totalling approximately 2,050 hectares. The claims are shown on quartz claim sheet 106 C/14. Claim data and expiry dates subject to acceptance of the 1996 assessment filing are listed in Table I as follows:

Table I - List of Claims (Expiry date subject to acceptance of assessment report)

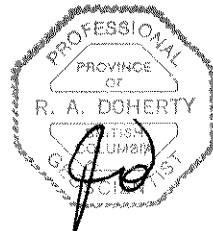
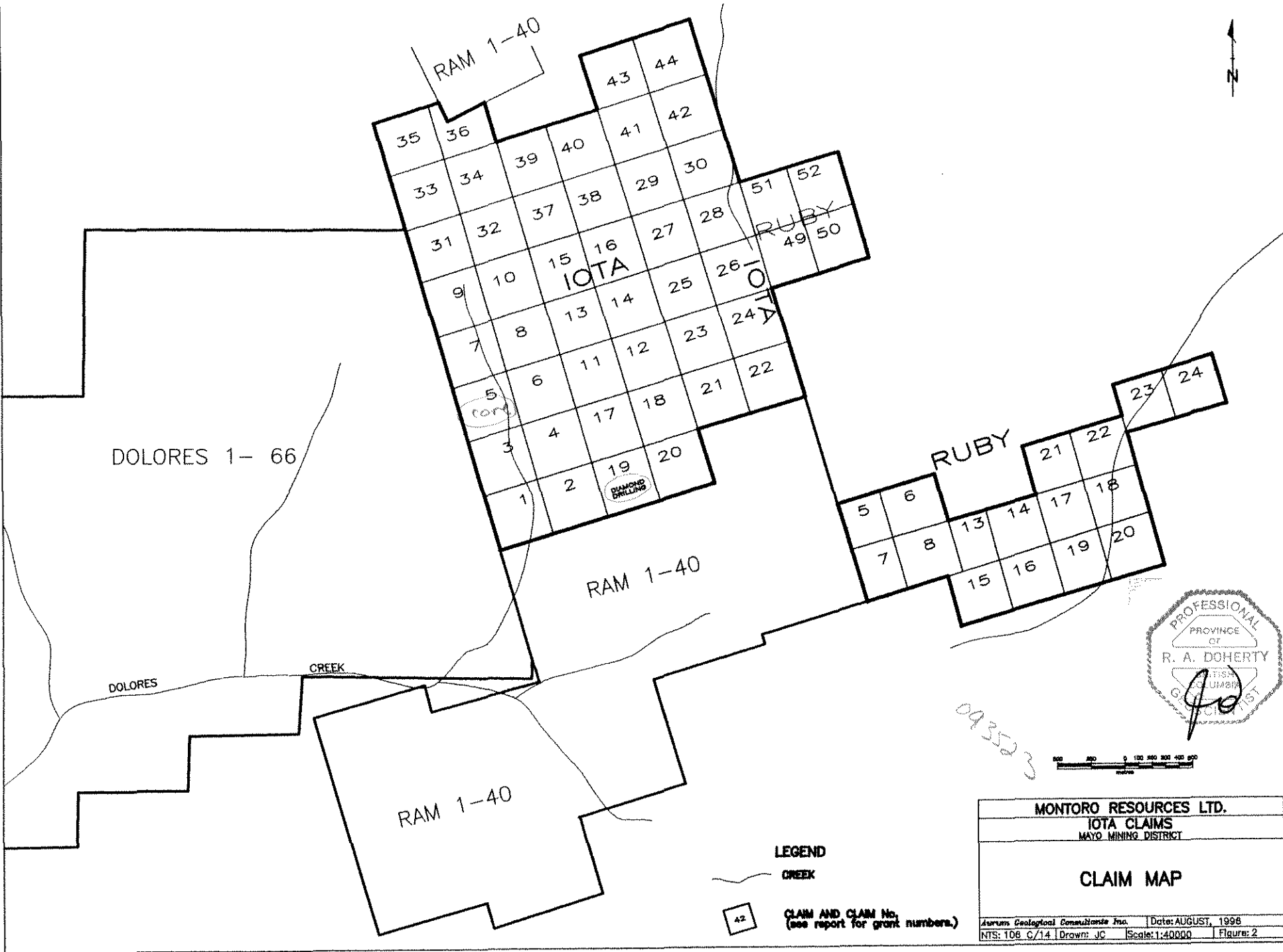
Claim Name	Grant No.'s	Expiry Date
IOTA 1	YA43419	Nov. 17,1999
IOTA 2	YA43420	Nov. 17,1999
IOTA 3	YA43421	Nov. 17,1999
IOTA 4	YA43422	Nov. 17,1999
IOTA 5	YA43423	Nov. 17,1999
IOTA 6	YA43424	Nov. 17,1999
IOTA 7	YA43425	Nov. 17,1999
IOTA 8	YA43426	Nov. 17,1999
IOTA 9	YA43427	Nov. 17,1999
IOTA 10	YA43428	Nov. 17,1999
IOTA 11	YA43429	Nov. 17,1999
IOTA 12	YA43430	Nov. 17,1999
IOTA 13	YA43431	Nov. 17,1999
IOTA 14	YA43432	Nov. 17,1999
IOTA 15	YA43433	Nov. 17,1999
IOTA 16	YA43434	Nov. 17,1999
IOTA 17	YA43435	Nov. 17,1999
IOTA 18	YA43436	Nov. 17,1999
IOTA 19	YA43437	Nov. 17,1999
IOTA 20	YA43438	Nov. 17,1999
IOTA 21	YB43502	Oct. 04,1997
IOTA 22	YB43503	Oct. 04,1997

Table I - List of Claims - Continued

Claim Name	Grant No.'s	Expiry Date
IOTA 23	YB43504	Oct. 04, 1997
IOTA 24	YB43505	Oct. 04, 1997
IOTA 25	YB43506	Oct. 04, 1997
IOTA 26	YB43507	Oct. 04, 1997
IOTA 27	YB43508	Oct. 04, 1997
IOTA 28	YB43509	Oct. 04, 1997
IOTA 29	YB43510	Oct. 04, 1997
IOTA 30	YB43511	Oct. 04, 1997
IOTA 31	YB43512	Oct. 04, 1997
IOTA 32	YB43513	Oct. 04, 1997
IOTA 33	YB43514	Oct. 04, 1997
IOTA 34	YB43515	Oct. 04, 1997
IOTA 35	YB43516	Oct. 04, 1997
IOTA 36	YB43517	Oct. 04, 1997
IOTA 37	YB43518	Oct. 04, 1997
IOTA 38	YB43519	Oct. 04, 1997
IOTA 39	YB43520	Oct. 04, 1997
IOTA 40	YB43521	Oct. 04, 1997
IOTA 41	YB43522	Oct. 04, 1997
IOTA 42	YB43523	Oct. 04, 1997
IOTA 43	YB43524	Oct. 04, 1997
IOTA 44	YB43525	Oct. 04, 1997
Ruby 5	YB43662	Oct. 05, 1998
Ruby 6	YB43663	Oct. 05, 1997
Ruby 7	YB43664	Oct. 05, 1997
Ruby 8	YB43665	Oct. 05, 1997
Ruby 13	YB43670	Oct. 05, 1997
Ruby 14	YB43671	Oct. 05, 1997
Ruby 15	YB43672	Oct. 05, 1997
Ruby 16	YB43673	Oct. 05, 1997
Ruby 17	YB43674	Oct. 05, 1997
Ruby 18	YB43675	Oct. 05, 1997
Ruby 19	YB43676	Oct. 05, 1997
Ruby 20	YB43677	Oct. 05, 1997
Ruby 21	YB43678	Oct. 05, 1997
Ruby 22	YB43679	Oct. 05, 1997
Ruby 23	YB43680	Oct. 05, 1997

Table I - List of Claims - Continued

Claim Name	Grant No.'s	Expiry Date
Ruby 24	YB43681	Oct. 05,1997
Ruby 49	YB43706	Oct. 05,1997
Ruby 50	YB43707	Oct. 05,1997
Ruby 51	YB43708	Oct. 05,1997
Ruby 52	YB43709	Oct. 05,1997



093523



LEGEND

- CREEK
- CLAIM AND CLAIM No.
(see report for grant numbers.)

MONTORO RESOURCES LTD.	
IOTA CLAIMS	
MAYO MINING DISTRICT	
CLAIM MAP	
Aurum Geological Consultants Inc.	Date: AUGUST, 1996
NTS: 108 C/14 Drawn: JC	Scale: 1:40000 Figure: 2

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GEOLOGY

Regional Geology

The regional geology of the area is described by Laznicka and Edwards (1979) and Thorkelson and Wallace (1994a, b). The Dolores Creek area is underlain by a thick sequence of Proterozoic sedimentary rocks consisting of (from oldest to youngest), the Middle Proterozoic Wernecke Supergroup, the Middle to Late Proterozoic Pinguicula Group, the Windermere Supergroup and Upper Proterozoic to Lower Paleozoic carbonate and sandstone. The Wernecke Supergroup consists of three groups; the lowermost Fairchild Lake Group, overlain by the Quartet Group, which is overlain by Gillespie Lake Group. The Wernecke Supergroup and the Pinguicula Group are separated by an angular unconformity formed during a period of deformation called the Racklan Orogeny. An angular unconformity separates the Pinguicula Group and the Windermere Supergroup. The Slab volcanics were deposited after the Racklan Orogeny and before deposition of the Pinguicula Group.

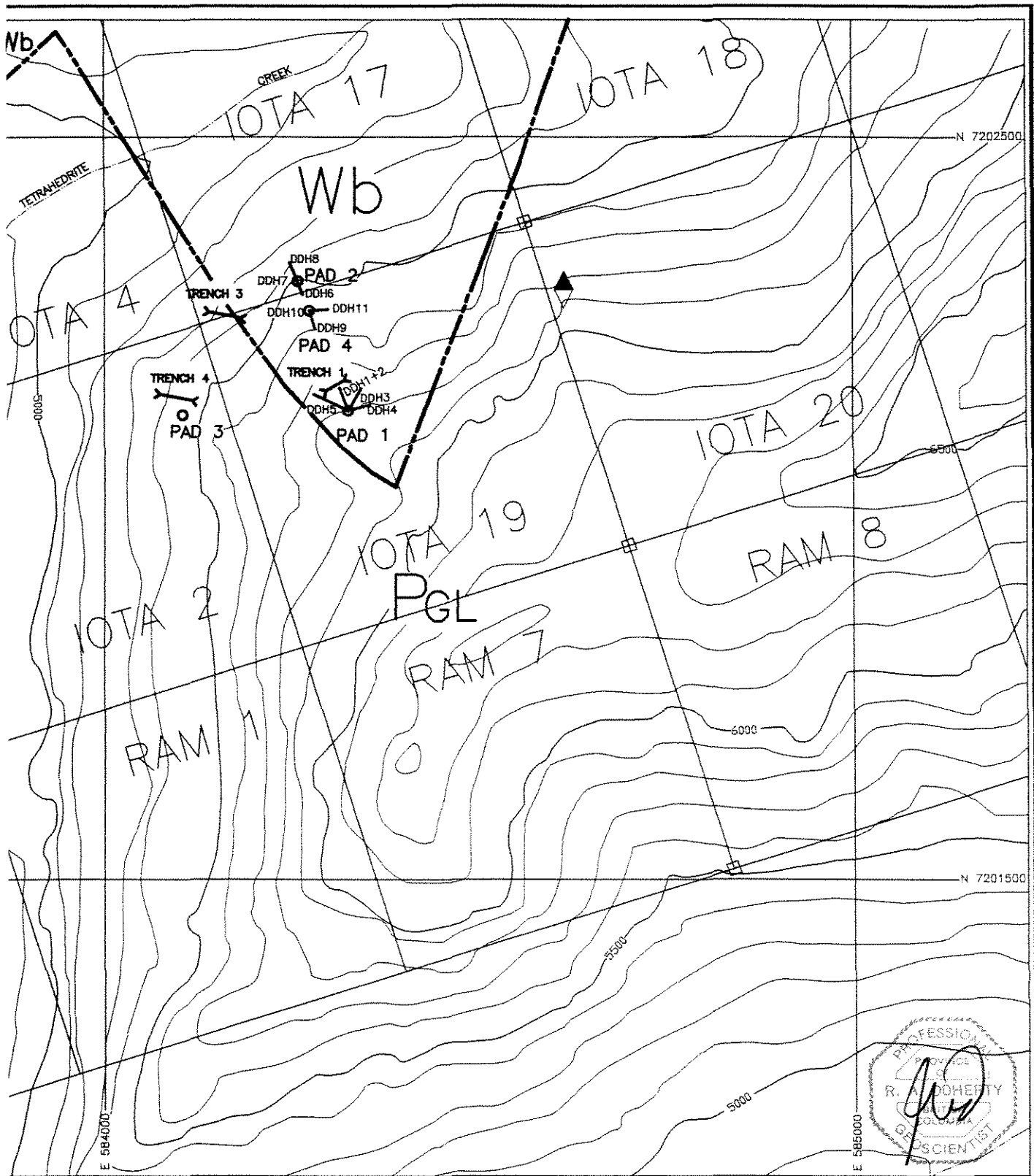
Mineral occurrences found in the Wernecke Supergroup include sedimentary exhalative, vein, and intrusive breccia occurrences. The breccias, known as Wernecke breccias, host Cu, Co, U, Ag, and Au associated with hematite altered breccia matrix. Vein occurrences contain Zn, Pb, Cu, Ag, Au, and U (Thorkelson and Wallace, 1994). These appear in altered metasediments and dioritic dykes. The Proterozoic strata are folded along a complex northeast-trending, northeast-plunging anticline. Intense faulting and fracturing are common. Late Proterozoic(?) diorite or gabbro dykes are common.

Geology of the Iota/Mammoth Project

The Iota/Mammoth property is underlain by middle Proterozoic Gillespie Lake Group orange, massive dolomite with minor interbeds of argillite, limestone and some small sandstone lenses (Figure 3). Wernecke breccias outcrop just north and west of the area drilled in 1996.

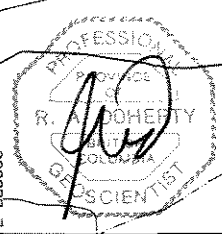
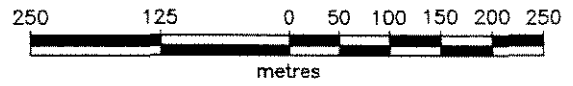
The strata dip from near vertical to 5 to 10 degrees north or south from the vertical. The general strike and dip direction measured from outcrops is approximately 266 degrees and 84 degrees north respectively. The rocks are highly faulted and extensively fractured and brecciated.

Results from the 1996 drilling program provided evidence of hematitic alteration (in varying degrees) throughout much of the upper region of each hole with the lower areas being less affected by this process. Fractured and brecciated areas in these altered zones are weakly mineralized. The best assays are found in small, shallow, surface pods.



LEGEND

- PAD
- TRENCH
- DRILL HOLE
- CREEK
- Wb WERNECKE BRECCIA
- PGL GILLESPIE LAKE GROUP
- ◆¹⁴ TETRAHEDRITE CREEK VEIN
Zn-Pb (+/- Ag,Cu,Au)
- CLAIM POST



MONTORO RESOURCES LTD.	
IOTA CLAIMS MAYO MINING DISTRICT	
PROPERTY COMPILATION	
Aurum Geological Consultants Inc.	Date: AUG. 1996
NTS: 106 C/14 Drawn: JC	Scale: 1:7500 Figure: 3

CONTOUR INTERVAL 500ft

1996 DIAMOND DRILL PROGRAM

Introduction

This report focuses entirely on the Iota/Mammoth project drill program. Between July 8 and August 2, 1996 a diamond drill program consisting of 11 core drill holes totalling 3,664 feet, was completed on the Iota/Mammoth project. All drilling was carried out on the Iota 19 Claim. The drill core was stored at the camp site on the Iota 5 Claim.

Table II lists the drill hole statistics for the 1996 diamond drilling program:

1996 DRILL HOLE STATISTICS

HOLE NUMBER	UTM METRES NORTH	UTM METRES EAST	ELEVATION FEET	AZIMUTH DEGREES	DIP DEGREES	LENGTH FEET
96-01	7202131	584326	5800.00	340.00	-65.00	376.00
96-02	7202131	584326	5800.00	340.00	-85.00	396.00
96-03	7202131	584326	5800.00	030.00	-65.00	500.00
96-04	7202131	584326	5800.00	070.00	-62.00	128.00
96-05	7202131	584326	5800.00	295.00	-65.00	566.00
96-06	7202306	584258	5500.00	160.00	-45.00	58.00
96-07	7202306	584258	5500.00	vertical hole	-90.00	110.00
96-08	7202306	584258	5500.00	340.00	-65.00	162.00
96-09	7202266	584274	5581.00	160.00	-50.00	672.00
96-10	7202266	584274	5581.00	vertical hole	-90.00	250.00
96-11	7202266	584274	5581.00	090.00	-50.00	446.00

A brief summary of the results from each drill hole follows:

DDH-01-96 - Figure 4 (Appendix A)

DDH-01-96 was collared on Pad 1, as proposed by John Hajek, to test for mineralization downdip of the mineralization exposed in Trench 1 (Hajek, 1995) below Pad 1. The drill intersected diorite dyke to 191 feet with alteration visible from 0 to 37 feet and a large fault zone (Iota fault?) from 119 feet to 135 feet. The dyke was highly fractured

and cemented with quartz. Brecciated areas containing clasts of diorite dyke, argillite, and minor matrix-supported dolomite clasts were noted. The dyke contained disseminated hematite with a few disseminated patches of pyrite. Some weakly mineralized sections were intersected. The best analyses from DDH-96-01 was 367 ppb Au, 8.7 ppm Ag and 615 ppm Cu between 211-219.5 feet in fractured dolomite infilled with quartz and containing minor malachite and pyrite.

Argillite was intersected from 219.5 feet to 246 feet. This zone was highly fractured and sporadically brecciated. Minor pyrite (~1%) was noted.

The remaining 246 feet to 376 feet intersected dolomite with some alteration noted between 261.5 feet and 274 feet. The alteration zone was highly fractured and brecciated. Minor mineralization consisting of pyrite was noted in the brecciated areas. Geochemical analyses produced background values.

The hole was terminated when the drill steel was lost in a fault zone.

DDH-02-96 - Figure 4 (Appendix A)

DDH-02-96 was drilled from the same set up as DDH-01-96 to test for mineralization and bypass the fault zone encountered at the bottom of DDH-01-96. Dyke material was intersected from 0 to 326 feet with alteration visible from 220.5 to 289 feet. A major fault zone was cut between 92 and 114 feet. Drill core consisted of highly fractured, brecciated, and milled fault gouge material with minor pyrite. Assay results for DDH-02-96 returned a high of 59 ppb Au, 1.6 ppm Ag and 144 ppm Cu from 322 to 326 feet. One 3 mm grain of gold was observed at 90' but was not assayed. The sample was taken to the Montoro office in Vancouver. Drilling was terminated when no significant mineralization was found.

DDH-03-96 - Figure 5 (Appendix A)

This drill hole was collared from the same set up as DDH-01-96 and DDH-02-96. The drill azimuth was 030°, as recommended by John Hajek, but at an increased dip of -65 degrees rather than the recommended -45 degrees. Slope conditions would not permit a shallower dip. The drill hole was also targeted to explore for mineralization downdip from Trench 1 (Hajek, 1995).

Dyke rock was intersected from 0 to 53 feet. It was highly fractured throughout with several brecciated zones. All clasts were encased and supported with dolomite and cut by dolomite veins.

A narrow dolomite zone between 53 to 66 feet was highly fractured and brecciated.

Distinct bedding planes, where visible, gave a BCN of ~30 degrees. Gold assays returned values of less than .001 oz./ton Au.

Dyke material was encountered again between 66 to 265.5 feet with the exception of a small fault zone from 66 to 68 feet, and quartz veins at 99 to 107 feet and at 222.5 to 231.5 feet. The dyke was highly fractured throughout and random brecciated zones were visible. All clasts were dolomite and quartz with support from dolomite infill.

Hematitic alteration was visible from 75 to 99 feet, from 129 to 222.5 feet, and from 240.5 to 265.5 feet. Very fine visible gold was reported at the 90 foot depth and one 6.5 foot assay returned 0.048 oz/ton (1645 ppb AU) between 89.5 and 96 foot interval.

The rest of the core contained fractured and brecciated dolomite, (except from 371.5 to 500 feet where argillite was found). Altered areas were noted between 265.5 to 283 feet and 319.5 to 339.5 feet. Low Au values (up to 47ppb) were returned.

The hole was terminated due to lack of significant sulphide mineralization.

DDH-04-96 - Figure 6 (Appendix A)

This drill hole was set up and collared from the same pad as drill holes DDH-01-96 to DDH-03-96, but at a bearing of 070 degrees. The objective was to find evidence of the gold noted in DDH-03-96 and to obtain additional structural information.

Dyke material was encountered from surface to 86 feet. It was highly fractured with some areas (~32' to 48') hematite enriched. Leached areas were present adjacent to the hematite. The remainder of the core to 122 feet was dolomite. The highest gold value was 7 ppb Au.

The hole was terminated due to difficult drilling (no recovery for six feet).

DDH-05-96 - Figure 7 (Appendix A)

This hole was drilled to trace the extension along strike of the copper showing below Pad #3, but failed to intersect mineralization. This suggests that the strata are steeply dipping and the hole was following the bedding. The steep dip could not be determined earlier due to a lack of outcrop.

Dyke material was visible from surface to 359 feet with the exception of argillite present from 225 to 330.5 feet and a fault zone from 211 to 225 feet. Alteration was visible for one foot at the 342 foot interval of the dyke. All of the dyke was highly fractured with the

exception of a breccia zone noted between 340 to 359 feet. Little or no mineralization was present.

The argillite mentioned was quite fractured, however, some areas provided BCN values of ~25 to 35 degrees indicating that beds in this area are steeply dipping. Again, minor mineralization was present, with Au values up to 10 ppb.

Dolomite beds were found from 359 feet to the end of the hole at 566 feet. This area was highly fractured with some scattered brecciated areas. Alteration was present from 363 to 372 feet. Little or no mineralization was present, with Au assay values up to 8 ppb Au. Drilling was terminated at 566 feet.

DDH-06-96 - Figure 8 (Appendix A)

This drill hole was set up and collared at Pad #2 to test the ground near DDH-01-96. The drill was set up on a prepared pad furnished by J.H.Hajek and crew with the drill hole set at his recommended bearing of 160 degrees azimuth and at -45 degrees dip. The dip was changed to -50 degrees because of the difficult drilling conditions in the area.

Highly fractured limestone with some brecciated areas was intersected from the surface to 28.5 feet depth. No mineralization was noted.

The remainder of the hole to 58 feet depth consisted of altered dolomite. Less than 1% pyrite was visible. The hole was terminated due to the loss of drilling equipment in a shear zone.

DDH-07-96 - Figure 8 (Appendix A)

DDH-07-96 was collared on Pad #2. The hole was drilled at -90 degrees at the recommendation of J.H.Hajek to test for brecciation and mineralization next to the intrusive.

There were drill problems for the first 37 feet and nothing but sand (unconsolidated material) with poor recovery. Dolomite was encountered to a depth of 110 feet where drilling was terminated due to difficult drill conditions and poor recovery.

Alteration was visible from 37 to 59 feet and 95 to 110 feet. No mineralization was visible throughout the length of the hole.

DDH-08-96 - Figure 9 (Appendix A)

DDH-08-96 was collared at Pad #2 to test for significant bornite mineralization at depth related to bornite mineralization visible at the surface. The dip was set at -65 degrees. A smaller angle may have caused the hole to intersect the cliff face.

Limestone was encountered for the length of the hole except for fault zones from 63 to 67.5 feet, 81 to 91 feet, and 97 to 162 feet (E.O.H.). Trace amounts of pyrite were visible, however, no contact was established at depth with the above noted mineralization. The hole followed a large fault zone and was terminated due to difficult drilling conditions and little or no core recovery.

DDH-09-96 - Figure 10 (Appendix A)

DDH-09-96 was collared on Pad #4, (at a bearing of 160 degrees with a dip of -50 degrees) with the intent to bypass the heavily faulted area intersected below Pad #2 and generate better drill conditions and core recovery. The goal was to test for the same mineralized zone sought in holes DDH-01-96 and DDH-06-96.

Massive dolomite was encountered throughout the length of the hole from surface to 672 feet (E.O.H.). The dolomite is highly fractured throughout with some random brecciated areas. Some signs of alteration were noted near surface down to 32.5 feet, from 77 to 93.5 feet, and from 106 to 120 feet. Little mineralization was encountered in these areas, with Au values up to a maximum of 37 ppb Au. Up to 1% pyrite was noted. Gold analyses ranged from mostly <5 ppb to 86 ppb in the interval of 93.5 to 97.5 feet. One five foot sample returned an analyses of 1634 ppb Au between 412 and 417 feet.

The hole was terminated due to lack of significant mineralization at depth.

DDH-10-96 - Figure 11 (Appendix A)

DDH-10-96 was a vertical hole collared on Pad #4. to test for the mineralization sought after in DDH-07-96. DDH-09-96 proved better drilling was possible from this pad.

Altered and brecciated carbonate (iron carbonate zone) containing <1% pyrite was found from surface to 62 feet.

The rest of the hole intersected dolomite to 250 feet. The only interruption was from 62 to 81 feet where a fault was encountered. The fault zone is highly fractured and brecciated throughout, with some alteration occurring from 52 to 62 feet and from 99.5 to 105.5 feet. A small interbedded clay bed was found near 103 feet giving a BCN of ~20 degrees. Only trace amounts of pyrite were noted. The hole was terminated due to lack

of change in mineralization or structure.

DDH-11-96 - Figure 12 (Appendix A)

DDH-11-96 was collared on Pad #4 and set up on a bearing of 090 degrees azimuth and a dip of -50 degrees to test at depth any mineralization in the vicinity of the visible gold found in DDH-03-96. This bearing was also recommended by J.H. Hajek for Pad #2, however, drilling conditions prevented the drill set-up at this bearing at that site.

The iron carbonate zone was encountered from surface to 35 feet. It appeared brecciated throughout and quite vuggy. No mineralization was noted.

Dolomite was found down to E.O.H.(446 feet). Two fault zones were encountered at 93.5 to 143 feet and 151 to 160 feet. Alteration containing trace amounts of pyrite occurred in varying degrees from 68.5 to 93.5 feet.

The rest of the zone was as highly fractured and brecciated as the altered areas and also contained trace amounts of pyrite. Drilling was terminated due to poor results.

Trench and Grab Samples (15651 & 15472)

Two grab samples were collected and assayed from Trench 1 on the Iota 19 claim (Sample # 15472) and from a surface outcrop hosting strong malachite staining on the Ram 17 claim (Sample #15561) just below the boundary with the Iota 22 claim. Analytical results for both these samples are included in the analyses listed in Appendix B.

CONCLUSIONS AND RECOMMENDATIONS

Diamond drilling on the IOTA/Mammoth Project has confirmed that any significant gold bearing sulphide mineralization is located within fault structures and brecciated zones that cut massive dolomite. The presence of diorite dykes adjacent to all mineralization may indicate a genetic link between the dykes, brecciation and metasomatism. The known mineralization appears to be restricted to small shallow surface zones such as those reported from the 1995 trenching program. Altered and unaltered zones within these structures produced poor assay values for gold silver and copper. Mineralization at depth does not match what is seen in surface trench samples, and attempts made in the drill program to detect mineralized zones were less than satisfactory. Two five foot intervals returned assay values of 1645 and 1634 ppb Au in DDH-03-96 and DDH-09-96 all other split samples returned background values or only slightly elevated values for gold, silver and copper.

Any future attempts to conduct exploration drilling on this property would be premature, unless further surface work can define a specific mineralized zone or target. It is also important that any further drilling on this property be conducted imperative to keep in mind the difficult drilling encountered on this project and that any mineralization in this particular area appears small and surface related.

REFERENCES

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- Laznicka, P. and Edwards, R.J., 1979, Dolores Creek, Yukon - a Disseminated Copper Mineralization in Sodic Metasomatites. *Economic Geology*, Vol. 74, pp. 1352-1370.
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- Thorkelson, D.J. and Wallace, C.A., 1995b, Geological map of the "Dolores Creek" map area (106C/14), Wernecke Mountains, northeastern Yukon. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1995-6 (G).

STATEMENT OF COSTS**DIAMOND DRILLING COSTS**

Diamond Drilling, July 2 to August 6, 1996

Guy Delorme, Chris Delorme, Bruce Nelson, Harry Fournier
3667 feet NQ/Delorme Drilling Co.

Core stored on IOTA 5 claim

The eleven drill holes were all drilled on IOTA 19 claim.

TOTAL COST OF DIAMOND DRILLING **\$96,977.43**

STATEMENT OF QUALIFICATIONS

I, Don Mattila, with business address:

Aurum Geological Consultants Inc.
205 - 100 Main Street
P.O. Box 4367
Whitehorse, Yukon Y1A 3T5

do hereby certify that:

1. I am a practicing geologist.
2. I hold a Bachelor of Science (Geology) Degree (1991) from the University of Alberta.
3. I have been working in the field of mineral exploration since 1989.
4. I am a member in training (MIT) with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
4. I have no direct or indirect interest in the properties of Montoro Resources Inc. or West Lake Ltd.
5. I am a co-author of this report on the IOTA/MAMMOTH property, Mayo Mining District, Yukon, which is based on my supervision of the drill program carried out between July 2 and August 6, 1996.
6. I consent to the use of this report in a company report or statement, provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.



September 12, 1996

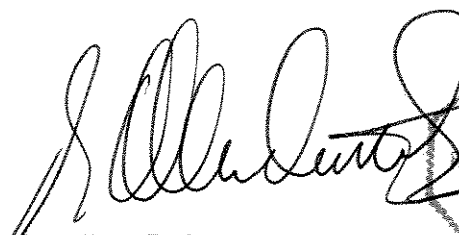
D. Mattila, B.Sc.

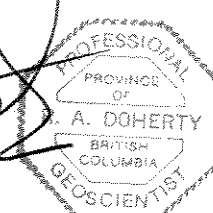
STATEMENT OF QUALIFICATIONS

I, R. Allan Doherty, hereby certify that:

1. I am a geologist with AURUM GEOLOGICAL CONSULTANTS INC., 205 - 100 Main Street, P.O. Box 4367, Whitehorse, Yukon, Y1A 3T5.
2. I am a graduate of the University of New Brunswick, with a degree in geology (Hons. B.Sc., 1977) and that I attended graduate school at Memorial University of Newfoundland, 1978-80. I have been involved in geological mapping and mineral exploration continuously since then.
3. I am a member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 20564 and of the CIMM.
4. I am a co-author of this report based on information collected by D. Mattila and crew during property work completed between July 8 and August 2, 1996 and on referenced sources.
5. I have no direct or indirect interest in the properties or securities of Montoro Resources Inc. or West Lake Ltd. or any listed joint venture partners.
6. I consent to the use of this report by Montoro Resources Inc. and West Lake Ltd provided that no portion is used out of context in such a manner as to convey a meaning differing materially from that set out in the whole.

September 12, 1996

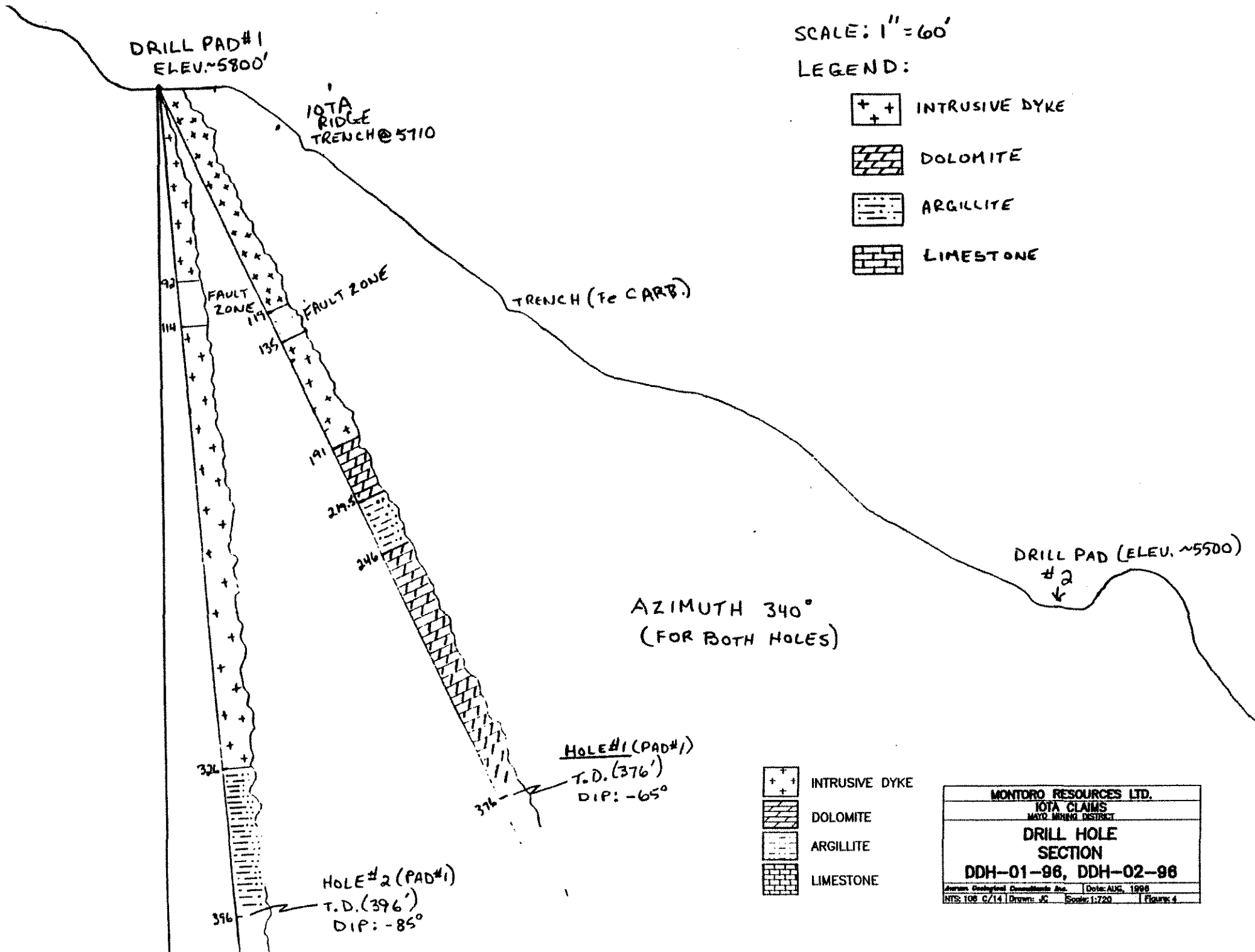

R. Allan Doherty, P.Ge.



The seal is an octagonal stamp with a double-line border. The text inside the seal reads: 'PROFESSIONAL' at the top, 'PROVINCE OF' in the middle, 'R. A. DOHERTY' in the center, 'BRITISH COLUMBIA' at the bottom, and 'GEOSCIENTIST' at the very bottom.

APPENDIX A

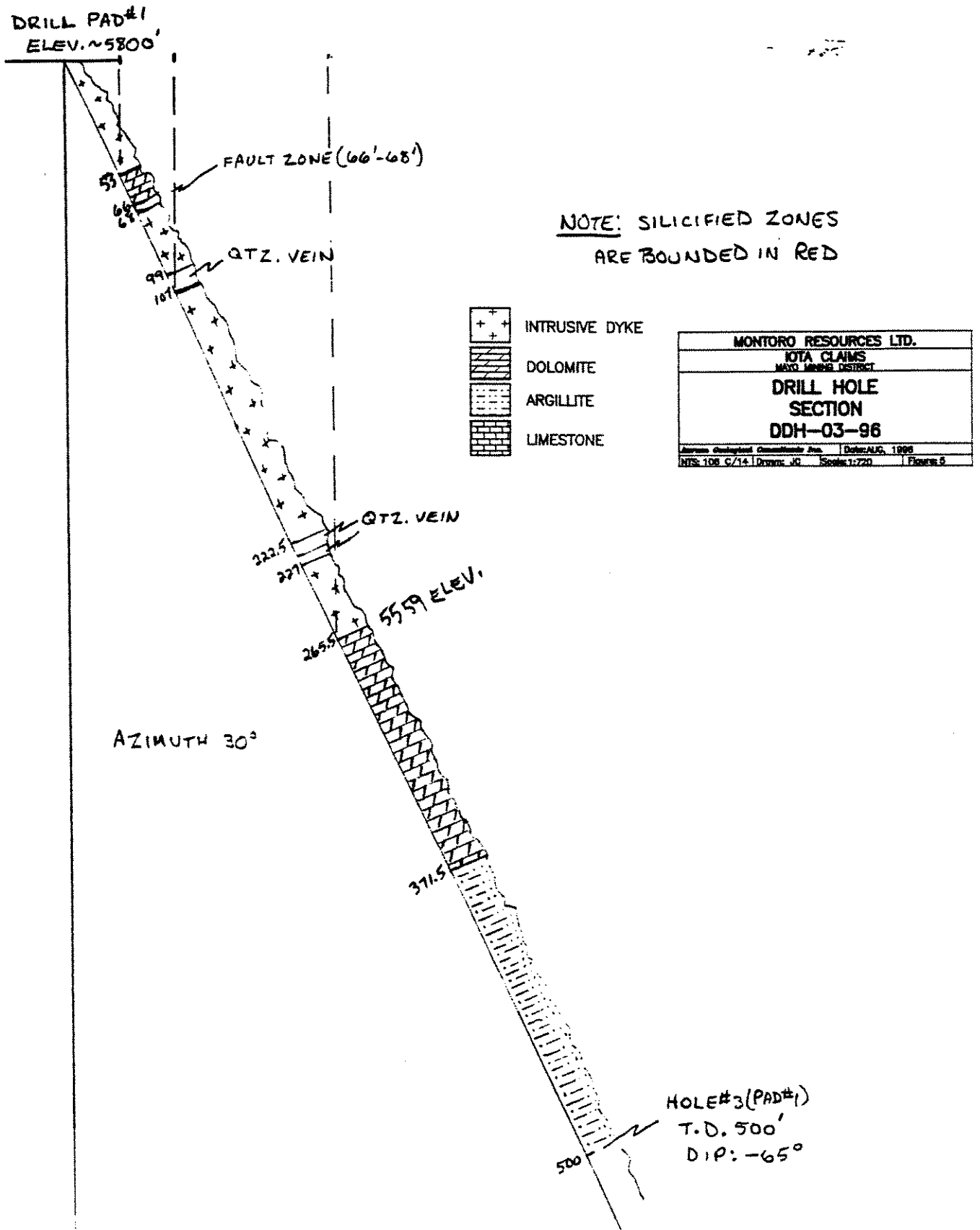
FIGURES 5-9



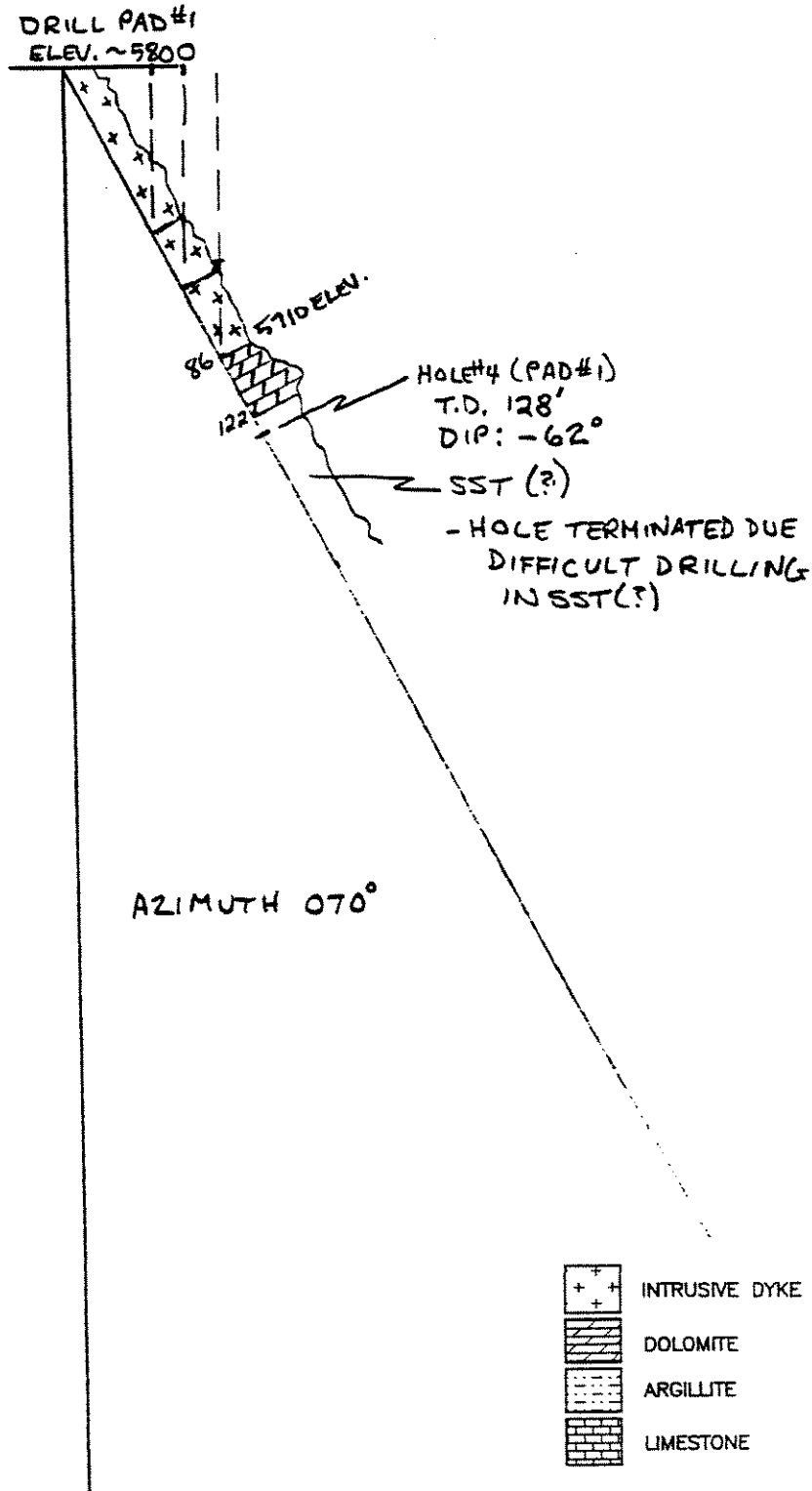
- INTRUSIVE DYKE
- DOLOMITE
- ARGILLITE
- LIMESTONE

MONTORO RESOURCES LTD.	
IOTA CLAIMS	
MAYO MINING DISTRICT	
DRILL HOLE SECTION	
DDH-01-96, DDH-02-96	
Drawn: Geological Consultants Inc.	Date: AUG, 1996
NTS: 108 C/14 Drawn: JG	Scale: 1:720 Figure: 4

HOLE # 3







HOLE #4



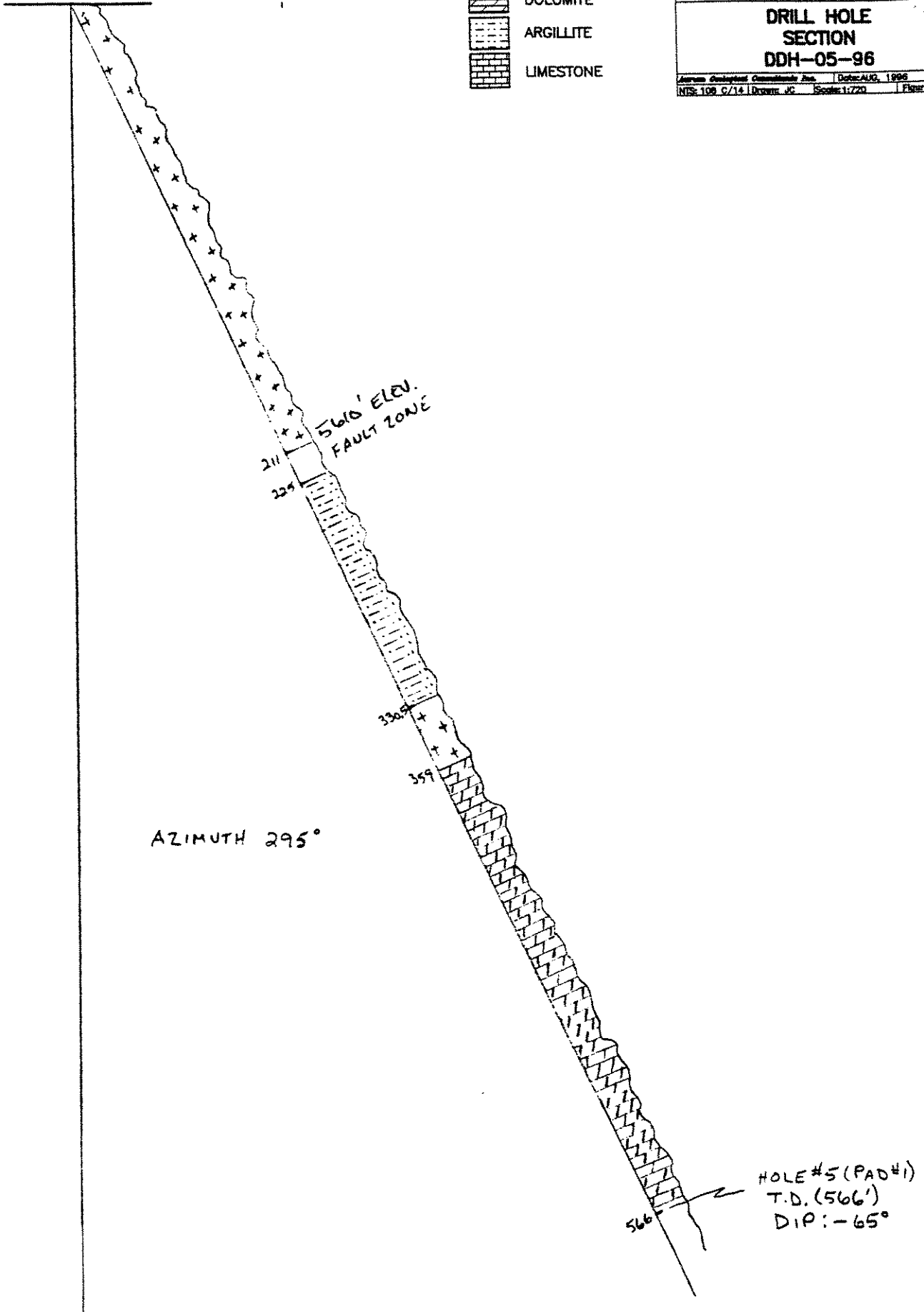
MONTORO RESOURCES LTD.	
IOTA CLAIMS MAYO MINE DISTRICT	
DRILL HOLE SECTION DDH-04-96	
Geological Consultant: <i>[Signature]</i>	Date: AUG, 1996
MRS: 109 G/14 Drawn: JC	Scale: 1:720 Figure: 6

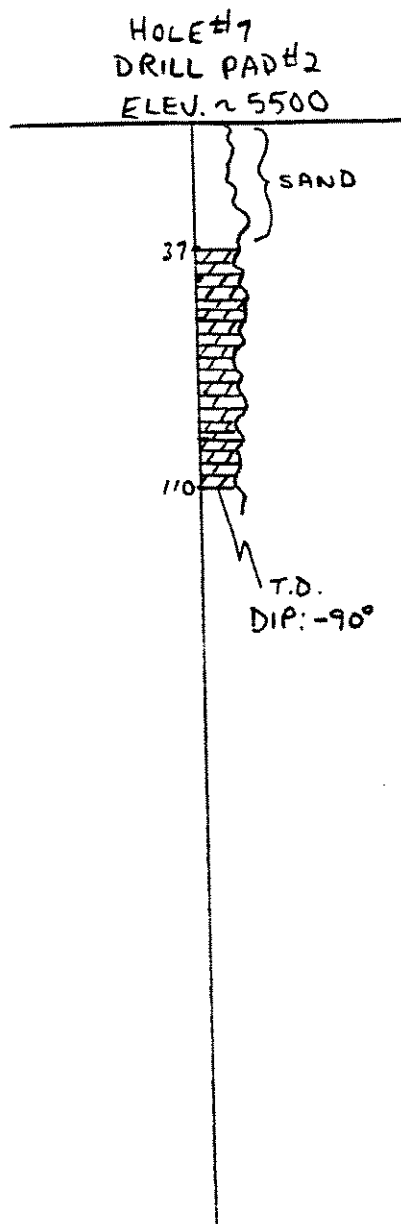
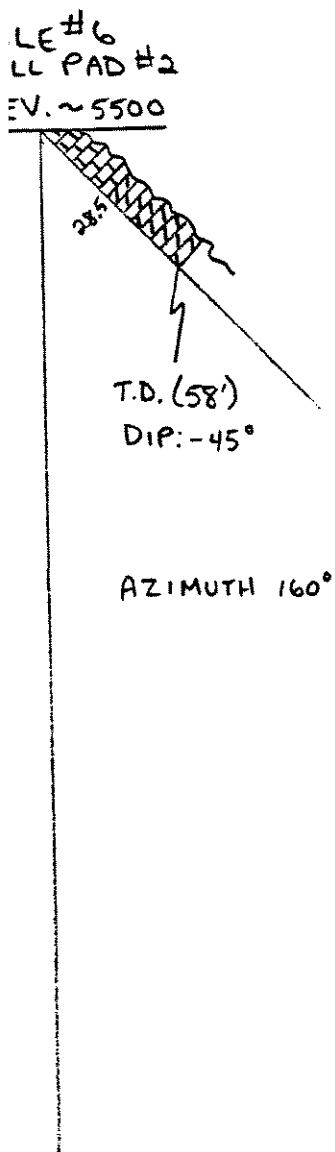
HOLE #5





DRILL PAD #1
ELEV. ~5800'

-  INTRUSIVE DYKE
-  DOLOMITE
-  ARGILLITE
-  LIMESTONE

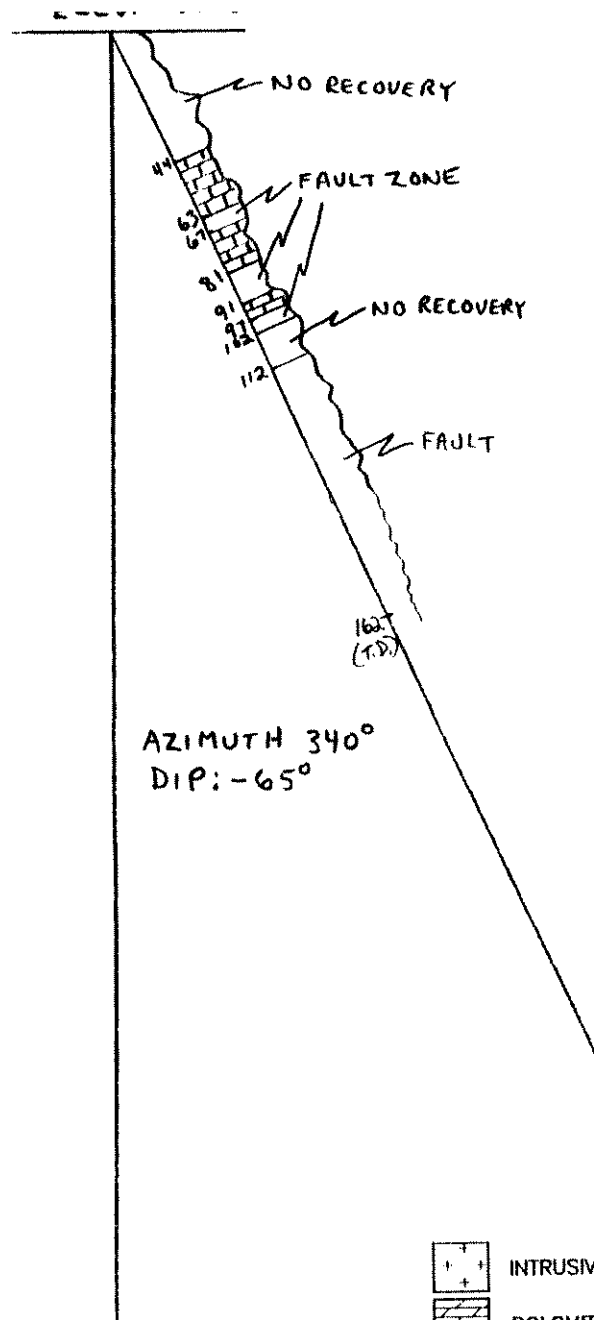
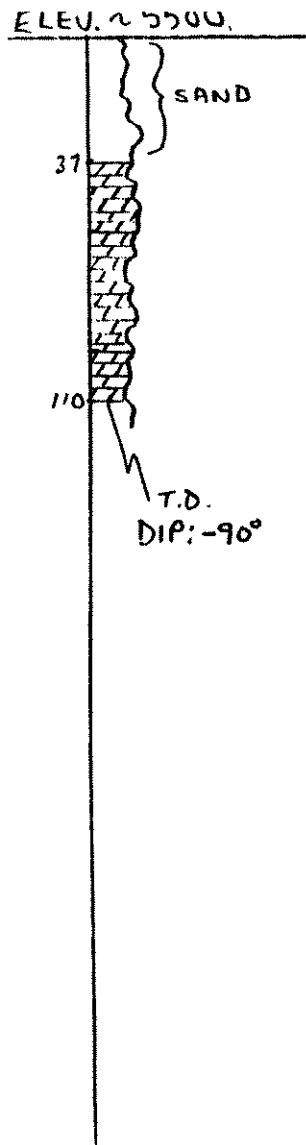
MONTORO RESOURCES LTD.	
KOTA CLAIMS	
MAYO MINE DISTRICT	
DRILL HOLE SECTION	
DDH-05-96	
<small>Approved Development Commitment No.</small>	<small>Date: AUG, 1996</small>
<small>NTS: 100 G/14</small>	<small>Drawn: JC</small>
<small>Scale: 1:720</small>	<small>Figure: 7</small>









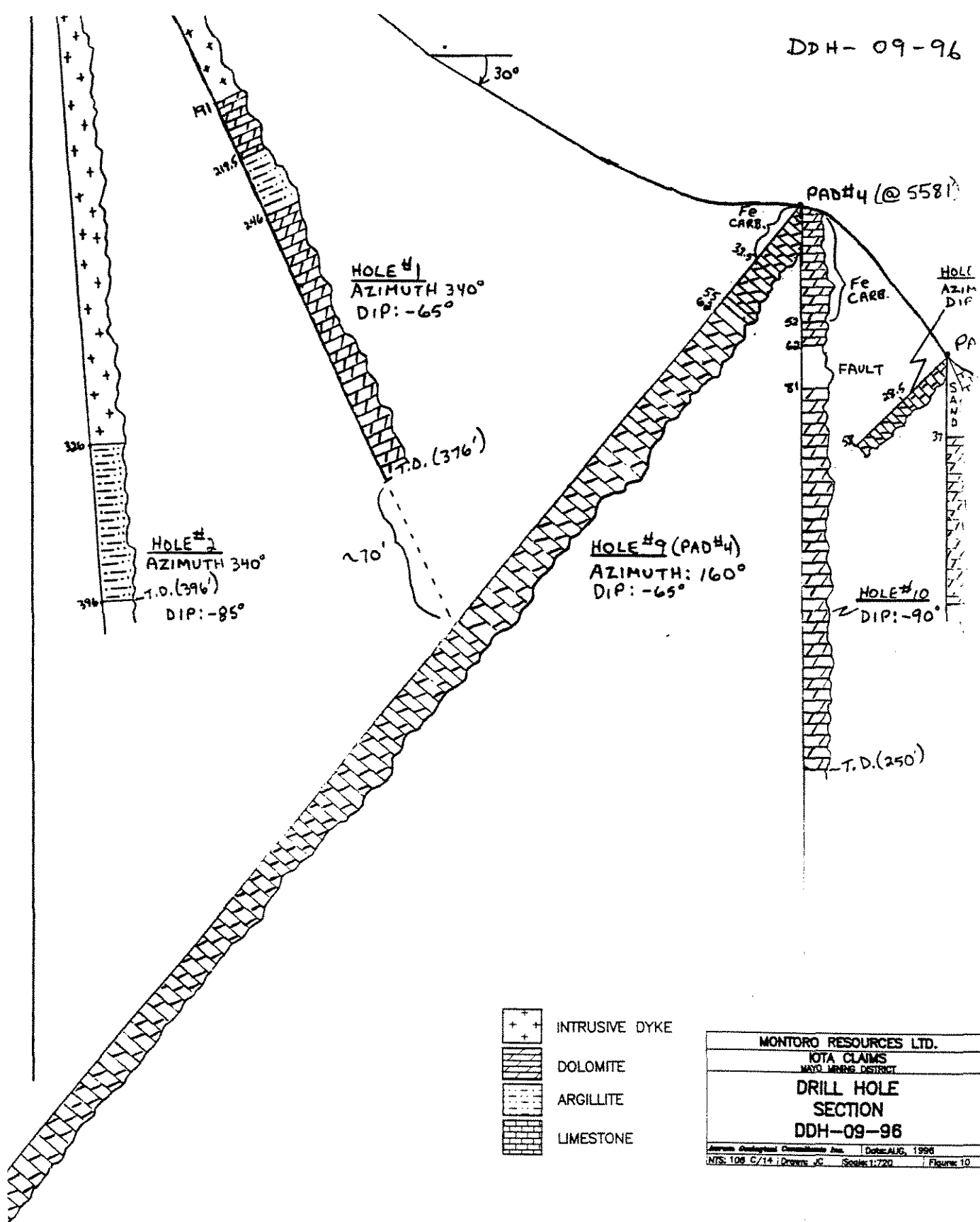
-  INTRUSIVE DYKE
-  DOLOMITE
-  ARGILLITE
-  LIMESTONE





MONTORO RESOURCES LTD.	
IOTA CLAIMS MAYO MINING DISTRICT	
DRILL HOLE SECTION	
DDH-06-96, DDH-07-96	
Approved Geotechnical Consultant's Sign.	Date: ALG, 1998
NTS: 10% C/14 Drawn: JG	Scale: 1:720 Figure: 8



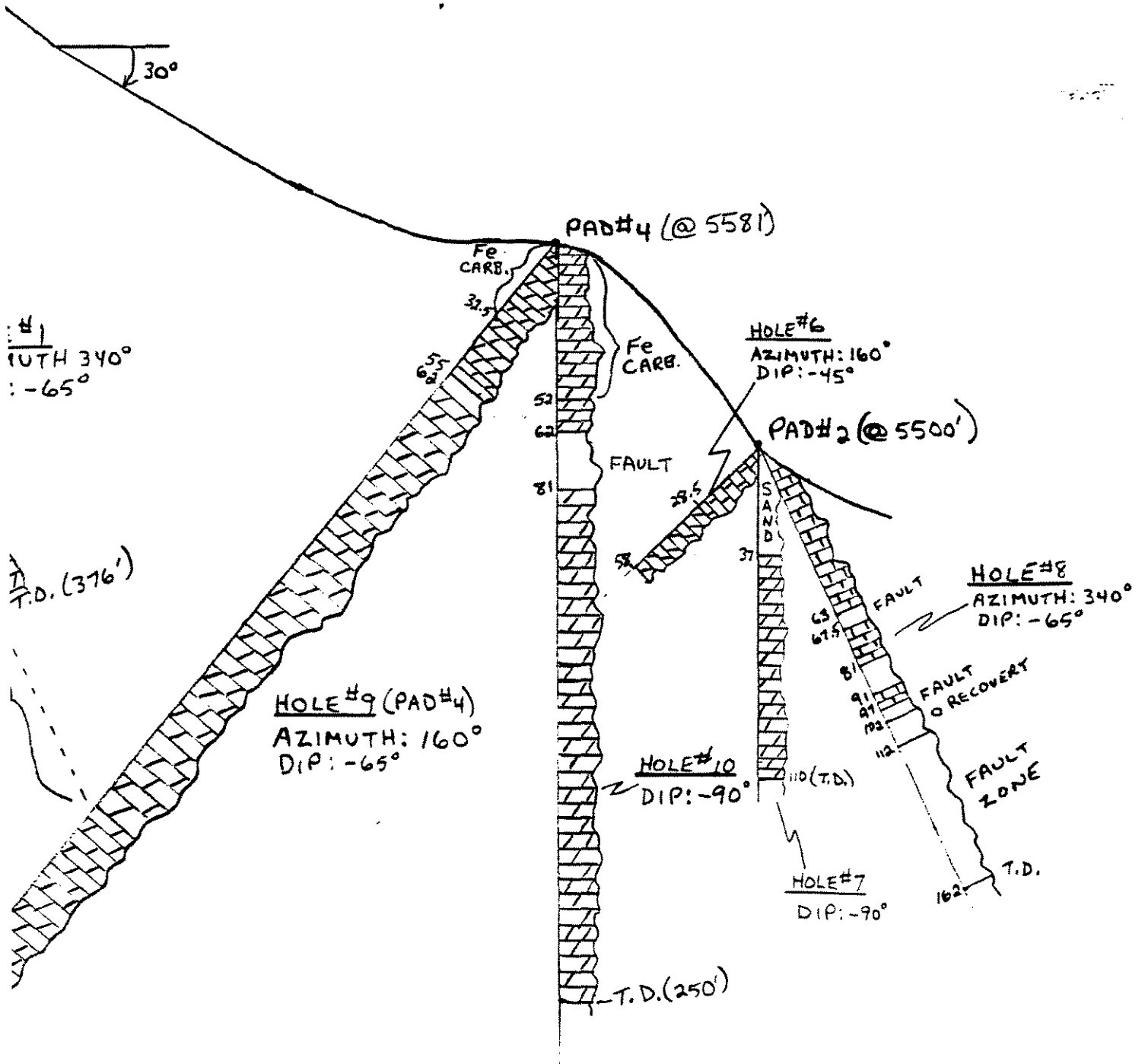
-  INTRUSIVE DYKE
-  DOLOMITE
-  ARGILLITE
-  LIMESTONE





MONTORO RESOURCES LTD.	
IOTA CLAIMS MAYO MINING DISTRICT	
DRILL HOLE SECTION DDH-08-96	
Assurance Geological Consultants Inc.	Date: AUG, 1998
NYS: 108 C/14 Drawn: JG	Scale: 1:720 Figure: 9



-  INTRUSIVE DYKE
-  DOLOMITE
-  ARGILLITE
-  LIMESTONE

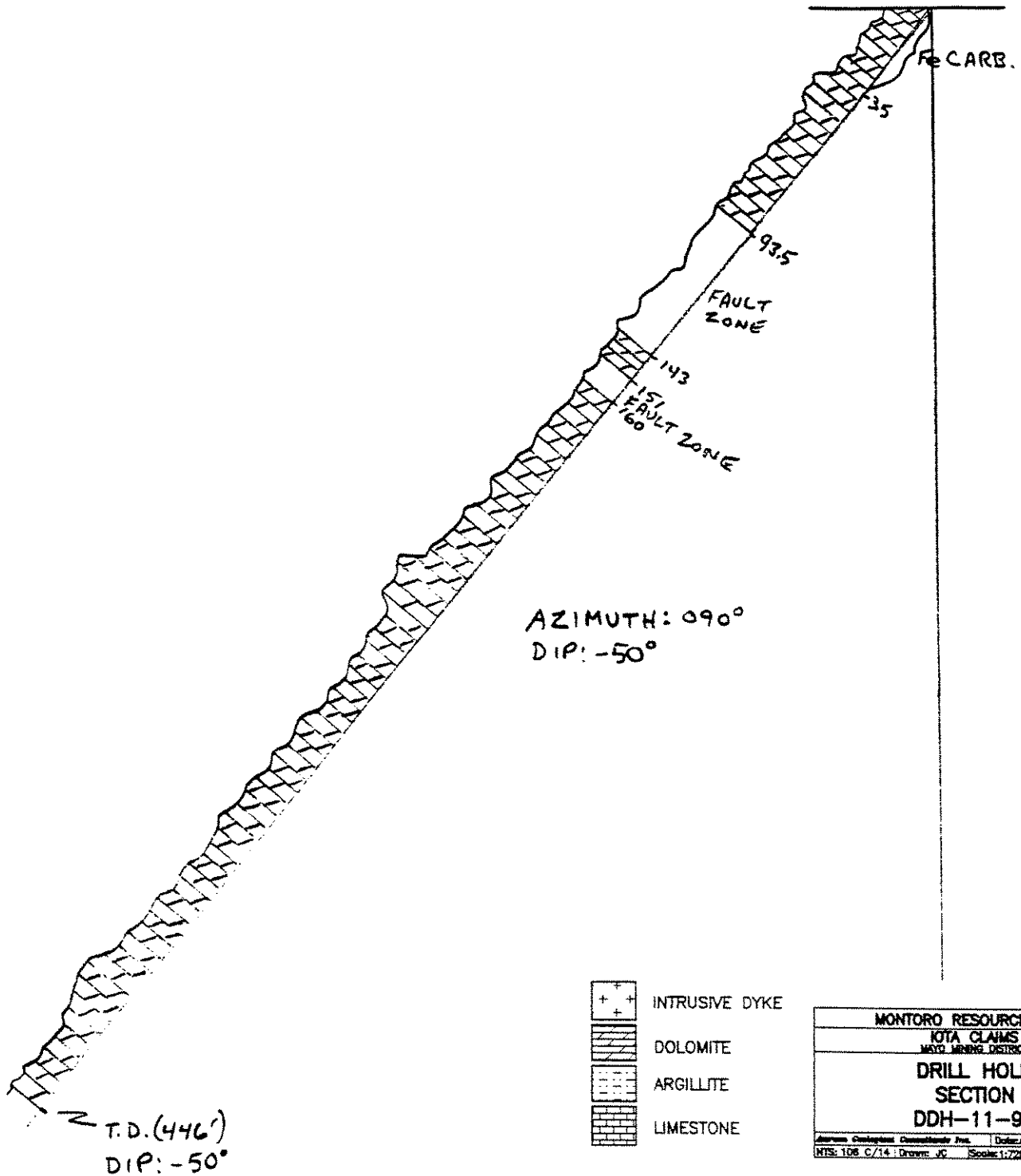
MONTORO RESOURCES LTD.	
KOTA CLAIMS MAYO MINING DISTRICT	
DRILL HOLE SECTION	
DDH-09-96	
Approved Geological Consultant Inc.	Dated: AUG. 1996
MRS 108 C/14 Drawn: JC	Scale: 1:720 Figure: 10



-  INTRUSIVE DYKE
-  DOLOMITE
-  ARGILLITE
-  LIMESTONE

MONTORO RESOURCES LTD.	
KOTA CLAIMS MAYO MINING DISTRICT	
DRILL HOLE SECTION DDH-10-96	
Approved Geological Consultant's Seal	Date: AUG, 1996
NRS: 106 C/14 / Drawn: JC	Scale: 1:720 / Figure: 11

HOLE #11 (PAD #4)
ELEV. ~5581'



APPENDIX B
DRILL HOLE SUMMARIES
ANALYTICAL REPORTS

FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE #
DDH-01-96

PROPERTY IOTA/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTORO RES

PAGE # 1 of 5

Date Begun JULY 8/96 Date Logged JULY 9/96 Bearing 340° Total Depth 376'

Date Finished July 11/96 Logged By D. MATTLA Elev. Collar 5800' Core Size N/Q

521768.3m. DIP: -65°

DEPTH FROM	TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	ASSAY RESULTS		
										Au (ppb)	Ag (ppm)	Cu (ppm)
0	8	100%		R00 0	0-37' DYKE, BROWN, MED-COARSE GRAINED,							
8	13	100%		0	HEMATITIC CEMENT(?), HIGHLY FRACTURED, NUMEROUS	009817	0	8	8'	<5	<0.1	114
13	18	100%		0	QUARTZ VEINLETS, POSSIBLE SHEAR ZONE	009818	8	18'	10'	<5	<0.1	141
18	22	60%		0	ALSO QTZ CEMENT VISIBLE, HEMATITIC CMT	009819	18'	28'	10'	<5	<0.1	149
22	23	100%		0	IS HIGHLY OXIDIZED < 1% CU DISSEMINATED	009814	28'	37'	9'	9	<0.1	30
23	28	50%		0								
28	32	20%		0	37-63' DYKE BLACK, MED-COARSE GRAINED,							
32	35	50%		0	HEMATITE AND QTZ CMT, HIGHLY FRACTURED,							
35	40	100%		0	NUMEROUS QTZ VEINS, INTERBEDDED CLAY BEDS							
40	45	20%		.22	FOUND THROUGHOUT, BRECCIATED CLASTS OF							
45	50	100%		.13	(1/2" - 1") FOUND IN WIDER QTZ. VEINS, CLASTS-ANGULAR	009820	37'	50'	13'	<5	<0.1	109
50	55	100%		.22	-SUBANGULAR, FINELY BEDDED < 1% CU, < 1% PYR	009815	50'	60'	10'	<5	<0.1	152
55	60	100%		.45								
60	70	85%		.37	63-80' DYKE MED. GRAY, MED-COARSE GRAINED,							
70	75	95%		.48	NUMEROUS QTZ VEINS, DISSEMINATED HEMATITE (15%)							
75	81	80%		.11	TR DISSEMINATED CU, HIGHLY FRACTURED	009821	60'	63'	3'	<5	<0.1	114
81	86	95%		.40	BOTTOM CONTACT ABRUPT.	009822	63'	70'	7'	6	<0.1	104
86	91	85%		.33		009823	70'	80'	10'	<5	<0.1	116
91	96	100%		.46	80'-99' DYKE DARK GRAY-BLACK, MED-COARSE	009824	80'	90'	10'	7	<0.1	139
96	101	100%		.23	GRAINED, NUMEROUS QTZ. VEINLETS WITH < 1% PYR							
101	106	100%		.13	HEMATITE CMT, MODERATELY FRACTURED, IRON OXIDE							
106	111	95%		.48	VISIBLE ALONG EDGES OF MANY VEINLETS. BOTTOM							

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE #
DDH-01-96

PAGE # **2 of 5**

ASSAY RESULTS

PROPERTY IOTA / MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MANTORO RES.

Date Begun JULY 8/96 Date Logged JULY 10/96 Bearing 340° Total Depth 376'

Date Finished July 11/96 Logged By _____ Elev. Collar 5800' Core Size N/A

DIP: -65°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (PPB)	Ag (PPM)	Cu (PPM)
FROM	TO											
111	116	100%		ROD .50	99'-115' DYKE GRAY TO BROWN, MED-COARSE GRAINED, NUMEROUS QTZ. VEINLETS - SOME WITH IRON OXIDE COATING THE EDGES, DISSEMINATED	009825	90'	100'	10'	6	<0.1	148
116	121	80%		.26								
121	126	100%		.13								
126	129	80%		0	BORNITE (<1%) IRON OXIDE COATING ON SOME VEINLETS, BOTTOM CONTACT GRADATIONAL.	009826	100'	110'	10'	6	<0.1	113
129	134	60%		.06								
134	140	60%		.14		009827	110'	115'	5'	<5	<0.1	151
140	150	90%		.27								
150	155.5	90%		.42	115'-119' - DYKE - BROWN, FINE GRAINED, NUMEROUS QTZ VEINS, DISSEMINATED CU (<1%)	009828	115	119'	4'	17	<0.1	141
					BOTTOM CONTACT ABRUPT.	009829	119'	129'	10'	55	4.0	182
					119'-135' - FAULT ZONE - GRAY, GRAY-BROWN RED CHERT CLASTS 1/8" - 3/4" (ANGULAR), SLST CLASTS 1/8" - 1 1/2" (ANGULAR), HIGHLY FRACTURED WITH CLAY TYPE LAYERS TOP + BOTTOM (ABRUPT CONTACTS) POSSIBLE SHEAR ZONE ENVIRONMENT. CLASTS ARE MATRIX SUPPORTED. IOTA FAULT(?)	009830	129	135	6'	13	0.2	43
						009831	135	145	10'	<5	0.1	107
					135'-145' DYKE DARK GRAY-BLACK, HIGHLY FRACTURED, HEMATITIC MATRIX, MINOR QTZ VEINING, CU (BORNITE- <1%) CLAY LAYERS (AT RANDOM) FOUND THROUGHOUT MINOR QTZ VEINING,							

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-01-96

PROPERTY TOTA/MAMMOTH LOCATION DOLORES CREEK PROPERTY - MONTROSES PAGE # 3 of 5
 Date Begun JULY 8/96 Date Logged JULY 10/96 Bearing 340° Total Depth 376'
 Date Finished July 11/96 Logged By D. MATTILA Elev. Collar 5800' Core Size N/A

ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
155.5	160.5	90%		.33	145'-169' <u>DYKE</u> DARK GRAY-BLACK, MODERATE							
160.5	166	95%		.22	FRACTURING, QTZ. VEINING (MODERATE) HEMATITE	009832	145	155.5	10.5'	<5	0.2	112
166	171	100%		.10	CMT., SOME QTZ. CMT., IRON OXIDE COATING ON SOME	009833	155.5	166	10.5'	11	0.1	83
171	176	85%		.38	VEINLET MARGINS, HIGHLY FRACTURED, CHERT (?)	009834	166	169	3'	9	0.1	65
176	180	85%		.16	CLASTS (1/8" - 3/4") - ANGULAR FOUND IN TWO VEINS	009835	169	179	10'	12	0.1	94
180	188	75%		.08	PYR (<1%) IN VEINS, BOTTOM CONTACT - ABRUPT							
188	190	100%		0								
190	195	100%		.13	169-179 <u>DYKE</u> MED GRAY-BROWN, HIGHLY	009836	179	191	12'	13	0.1	124
195	205	95%		0	FRACTURED, QTZ. VEINLETS, LESS PRESENCE OF							
					HEMATITIC CMT. DUE TO WEATHERING, - FAIRLY FRIABLE	009837	191	201	10'	15	1.1	141
					IN SEVERAL AREAS, BOTTOM CONTACT GRADATIONAL							
					CU (<1%) - DISSEMINATED IN CORE.							
					179-191 <u>DYKE</u> , BROWN, MED-COARSE GRAINED							
					VERY HIGHLY FRACTURED, FEW QTZ. VEINLETS, MINOR							
					PYR. IN QTZ. VEINS. BOTTOM CONTACT ABRUPT							
					191-219.5 DOL. MED-DARK BROWN, HIGHLY							
					FRACTURED, DISTINCT BEDDING PLANES (BCN = ~20°) -							
					FINELY LAMINATED, QTZ. INFILL IN FRACTURES, FINE							
					DISSEMINATED PYR (2%), SOME BRECCIATION OF DOL. IN							
					QTZ. VEINS - SUBROUNDED - CLAST SUPPORTED							

FOOTAGE	ANGLE	
	READING	CORRECTED

PROPERTY IOTA/MAMMOTH DDH-01-76
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 4 of 5
 Date Begun JULY 8/96 Date Logged JULY 10/96 Bearing 340° Total Depth 376'
 Date Finished JULY 11/96 Logged By D. MATTILA Elev. Collar 5800' Core Size N/O
 ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	HOOK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
205	208	95%		RDS .07	CU (MALACHITE) ~1%, BOTTOM CONTACT -	009838	201	211	10'	60	1.2	89
208	210	90%		.07	ABRUPT.							
210	215	95%		.07		009839	211	219.5	8.5'	361	8.7	615
215	220	85%		0	219.5 - 246 ARGILLITE BLACK, HIGHLY FRACTURED,							
220	225	90%		.17	NUMEROUS QTZ. VEINLETS, MODERATELY BRECCIATED WITH	009840	219.5	230	10.5'	60	0.7	69
225	230	100%		.17	ANGULAR CLASTS OF DOLOMITE (1/2" - 1 1/2") - MATRIX							
230	235	100%		.18	SUPPORTED, MINOR PRESENCE OF PYR (~1%), TOP AND	009841	230	240	10'	18	1.5	114
235	240	100%		.15	BOTTOM CONTACTS ABRUPT							
240	245	100%		0		009842	240	246	6'	<5	0.4	32
245	250	95%		.16	246 - 261.5 DOL. GRAY/BROWN - GRAY, HIGHLY							
255	260	100%		.40	FRACTURED IN AREAS, HIGHLY BRECCIATED - CLAST	009843	246	256	10'	33	0.2	24
260	265	100%		.55	SUPPORTED - SUBROUNDED TO ANGULAR (1/2" - 1 1/2"), MODERATE							
265	270	100%		.60	QTZ. VEINING, CU (<1%) IN BRECCIATED ZONES, PYR	009844	256	261.5	5.5'	10	<0.1	5
270	275	100%		.43	(~1%), CONTACT AT BOTTOM IS GRADATIONAL.							
					261.5 - 274 - DOL. BROWN, VERY HIGHLY FRACTURED							
					QUITE BRECCIATED IN ZONES WITH CLASTS RANGING FROM 1/8"	009845	261.5	270	8.5'	16	0.2	35
					1" (ALSO DOL.) - SUBROUNDED TO ANGULAR, MATRIX SUPPORTED.							
					FEW DOL. VEINLETS, PYR (~1%), CU (<1%) - MOSTLY	009846	270	274	4'	34	1.8	106
					IN BRECCIATED AREAS, POSSIBLE FAULT ZONE IN LOWER							
					AREA OF ZONE, BOTTOM CONTACT ABRUPT.							

DIAMOND DRILL RECORD

HOLE # DDH-01-96

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

PROPERTY IOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 5 of 5
 Date Begun JULY 8/96 Date Logged JULY 11/96 Bearing 340° Total Depth 376'
 Date Finished JULY 11/96 Logged By D. MATTILA Elev. Collar 5800' Core Size N/A

ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
275	280	100%		R02 .54	274-376' (E.O.H.) DOL., LIGHT TO DARK GRAY,	009847	274	285	11'	11	<0.1	15
280	285	100%		.20	HIGHLY FRACTURED, SOME QTZ. VEINING, SOME	009848	285	295	10'	5	1.0	49
285	290	100%		.13	VEINING WITH DOLOMITE INFILL, MINIMAL BRECCIATION							
290	295	100%		.07	WITH CLASTS (ANGULAR) AND MATRIX SUPPORTED.	009849	295	305	10'	5	<0.1	6
295	300	100%		.46	CLASTS RANGED FROM 1/2" → 1 1/2" IN SIZE. CU	009850	305	310	5'	4	<0.1	6
300	305	100%		.32	(<1% PYR (<1%) NO VISIBLE BEDDING PLANES -	009701	310	321	11'	6	0.3	15
305	310	100%		.48	UNIT APPEARS MASSIVE IN TEXTURE.	009702	321	330	9'	11	<0.1	2
310	315	100%		.58		009703	330	340	10'	9	<0.1	13
315	321	100%		.27	E.O.H. (@ 376')	009704	340	349.5	9.5'	14	0.1	4
321	326	100%		.37		009705	349.5	359.5	10'	<5	<0.1	3
326	330	95%		.13		009706	359.5	369	9.5'	<5	<0.1	4
330	335	100%		.35								
335	340	100%		.27		009707	369	372	3'	<5	0.1	3
340	344	100%		.50								
344	349.5	100%		.80								
349.5	354.5	100%		.65								
354.5	359.5	100%		.53								
359.5	365	100%		.64								
365	370	100%		.62								
370	376	100%		.27								
					E.O.H.							

↓ PRIORITY SAMPLE

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-02-96
 PAGE # 1085
 ASSAY RESULT

PROPERTY JOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES
 Date Begun JULY 11/96 Date Logged JULY 12/96 Bearing 340° Total Depth 396'
 Date Finished JULY 12/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A
 DIP: -85°

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu
										(ppb)	(ppm)	(ppm)
0	14'			R60	CASING - 0 RECOVERY							
14'	22'	85%		.08	14'-18' <u>DYKE</u> BROWN, MED. - COARSE							
22'	27'	95%		.47	GRAINED, MODERATELY FRACTURED, SOME SMALL							
27'	32'	100%		.40	AREAS OF BRECCIATION IN QTZ. VEINLETS, CLASTS	009708	14'	22'	8'	<5	<0.1	88
32'	37'	100%		.33	(QTZ.) RANGED FROM 1/4" - 3/4" AND ARE MOSTLY							
37'	42'	100%		.07	CLAST SUPPORTED, SOME CALCITE INFILL IN PLACES							
42'	47'	100%		.08	BTWN CLASTS, <1% PYR. (IN BRECCIATED							
47'	52'	100%		.33	AREAS) BOTTOM CONTACT ABRUPT.							
52'	57'	100%		.31								
57'	62'	100%		.40	18'-92' <u>DYKE</u> DARK GRAY-BLACK, MED-COARSE							
62'	66'	80%		.20	GRAINED, HEMATITE AND QTZ. CMT. VERY FRACTURED	009709	22'	32'	10'	6	0.1	131
66'	68'	100%		.17	NUMEROUS QTZ VEINLETS, CU <1%, PYR <1%	009710	32'	42'	10'	<5	<0.1	134
68'	73'	100%		0	AROUND VEINLETS, SOME CALCITE INFILL IN							
73'	77'	95%		.18	LARGER VEINLETS, VISIBLE Au, BOTTOM CONTACT	009711	42'	52'	10'	<5	<0.1	113
77'	79'	90%		.21	ABRUPT. MINERALIZATION FOUND IN VERY FINE							
79'	83'	95%		.24	PARTICLES.	009712	52'	62'	10'	<5	<0.1	128
83'	88'	100%		.23		009713	62'	73'	10'	6	0.1	112
88'	93'	100%		.07	92'-114' <u>FAULT ZONE</u> -GREENISH GRAY TO							
93'	98'	90%		.32	DARK GRAY, CHALKY TEXTURE → FAULT GOUGE,	009714	73'	83'	10'	5	<0.1	97
98'	103'	100%		.32	NUMEROUS CALCITE VEINS, SOME QTZ VEINS, PRESEN	009715	83'	92'	9'	8	<0.1	196
103'	108'	100%		.28	OF HEMATITE IN DARK GRAY ZONES, PYR FOUND IN VEINLETS	009716	92'	103'	11'	8	0.1	310

DIAMOND DRILL RECORD

HOLE # **DDH-02-96**

PROPERTY IOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 2 of 5
 Date Begun JULY 11/96 Date Logged JULY 12/96 Bearing 340° Total Depth 396'
 Date Finished JULY 12/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A
 DIP: -85° ASSAY RESULTS

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

DEPTH FROM	TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu
										(ppb)	(ppm)	(ppm)
108'	113'	100%		RD 40	BOTTOM CONTACT ABRUPT	009717	103'	114'	11'	5	0.1	84
113'	116'	90%		.14								
116'	120'	95%		.10	114'-150' <u>DYKE</u> , MED - DARK GRAY, MED. -	009718	114'	123'	9'	<5	<0.1	129
120'	123'	95%		.36	COARSE GRAINED, VERY FRACTURED - NUMEROUS CALCITE							
123'	126'	100%		.11	VEINLETS, SEVERAL FAULTS WITH FAULT GOUGE PRESENT,	009719	123'	133'	10'	6	<0.1	108
126'	131'	95%		.29	HEMATITE CMT. PREDOMINANTLY WITH MINOR AMOUNTS OF							
131'	135'	100%		.24	QTZ. CMT. CU (<1%), PYR (<1%), IN MINOR	009720	133'	143'	10'	5	0.1	94
135'	138'	95%		.22	QUARTZ VEINS, BOTTOM CONTACT GRADATIONAL							
138'	143'	98%		.25		009721	143'	150'	7'	<5	0.1	100
143'	146'	70%		0	150'-188.5' <u>DYKE</u> , DARK GREENISH GRAY, MED.							
146'	150'	87%		0	COARSE GRAINED, QUITE FRACTURED, MOST FRACTURES	009722	150'	160'	10'	6	0.1	117
150'	152'	98%		.29	ARE CALCITE INFILLED, FEW QTZ. VEINLETS, SOME							
152'	157'	100%		.28	BRECCIATION IN PLACES WITH CLASTS OF DYKE	009723	160'	172'	12'	6	0.1	120
157'	162'	97%		.30	RANGING FROM 3/8" → 1 1/2" (ROUND → SUBROUNDED)							
162'	167'	100%		.13	COMMON PYR OXIDATION AT MARGINS OF VEINLETS, CU	009724	172'	182'	10'	9	<0.1	117
167'	172'	100%		.36	(<1%), PYR (1%), CONTACT AT BOTTOM - ABRUPT.							
172'	177'	100%		.55		009725	182'	188.5'	6.5'	5	<0.1	101
177'	182'	98%		.20	188.5'-196' <u>DYKE</u> , BROWN, MED. GRAINED							
182'	187'	100%		.47	VERY FRACTURED, QTZ. INFILL, BRECCIATION	009726	188.5'	196'	7.5'	7	0.1	119
187'	192'	96%		.35	VISIBLE WITH QTZ. CLASTS (ANGULAR) - 1/2" → 1 1/2"							
192'	197'	96%		.20	PYR (1%) → MOSTLY OXIDIZED, CU (<1%)							
197'	202'	100%		.17	CONTACT AT BOTTOM - ABRUPT -							

* PRIORITY SAMPLE

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-02-96

PROPERTY IOTA/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 3 of 5

Date Begun JULY 11/96 Date Logged JULY 12/96 Bearing 340° Total Depth 396'

Date Finished JULY 12/96 Logged By D. MATTILA Elev. Collar 5850 Core Size N/O

DIP: -85° ASSAY RESULTS

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu
										(ppb)	(ppm)	(ppm)
207	207	100%		RQD .63	196-220.5 DYKE MED. GRAY, MED GRAINED,	009727	196	207	11'	5	<0.1	137
207	212	98%		.72	QUITE FRACTURED WITH QTZ. VEINLETS WITHIN,	009728	207	217	10'	<5	0.1	130
212	217	100%		.48	SIGN OF IRON OXIDE ALONG MARGINS OF VEINLETS,	009729	217	220.5	3.5'	<5	<0.1	127
217	222	100%		.17	MOSTLY HEMATITE CMT WITH MINOR QTZ CMT.,							
222	227	96%		.20	PYR (~1%), Cu (<1%) GRADUAL CHANGE TO	009730	220.5	227	6.5'	11	<0.1	133
227	232	100%		.45	BOTTOM CONTACT,							
232	237	100%		.52		009731	227	237	10'*	8	0.1	144
237	242	98%		.82	220.5-253 DYKE BROWN-REDDISH BROWN,							
242	246	95%		.24	HIGHLY FRACTURED, FINE-MED GRAINED, NUMEROUS							
246	251	100%		.59	FINE QTZ. VEINLETS, MANY BRECCIATED AREAS WITH	009733	237	246	9'	6	<0.1	119
251	256	98%		.15	CLASTS (SUBROUNDED-ANGULAR) - 1/2" -> 2 1/2", VERY							
256	261	96%		.09	LITTLE SIGN OF FE CMT. PYR (1%) - WELL OXIDIZED							
261	266	98%		.31	IN MOST AREAS, CU (<1%). THE BOTTOM CONTACT IS	009734	246	253	7'*	7	0.1	211
266	271	100%		.63	FAIRLY ABRUPT.							
271	276	100%		.38		009735	253	261	8'	<5	<0.1	149
276	282	98%		.01	253-283.5' DYKE MED. GRAY-BROWN, LESS							
282	287	100%		.67	HEMATITE CMT-MORE QTZ CMT, HIGHLY FRACTURED WITH	009736	261	271	10'	<5	<0.1	89
287	292	100%		.87	NUMEROUS QTZ. VEINS, HIGHLY BRECCIATED WITH CLASTS							
292	297	100%		.68	(3/4" - 1 1/2") SUBROUNDED TO ANGULAR - MATRIX SUPPORTED	009737	271	278	7'*	<5	<0.1	122
					WITH QTZ. TWO ALTERED ZONES (SMALL ~ 1' LONG EACH), -							
					SHOW DISSEMINATED PYR (1%) Cu (<1%), MOST OF THIS	009738	278	283.5'	5.5'	5	<0.1	136
					ZONE IS MED-COARSE GRAINED.							

* PRIORITY SAMPLE

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-02-96

PROPERTY IOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 485
 Date Begun JULY 11/96 Date Logged JULY 13/96 Bearing 340° Total Depth 396'
 Date Finished JULY 12/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A
 Dip: -85° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
				R00								
297	302	100%		.94	283.5' - 289' <u>DYKE, LIGHT BROWN TO REDDISH</u>							
302	307	100%		.65	BROWN, MED. TO COARSE GRAINED, HIGHLY BRECCIATED	009139	283.5	289	5.5'	<5	0.1	44
307	312	100%		.57	WITH CLASTS RANGING FROM 1/2" → 1 1/2" → ROUNDED TO							
312	317	100%		.64	SUBROUNDED, MINOR QTZ. VEINING, MODERATE FRACTURING	009710	289	297	8'	<5	<0.1	37
317	322	96%		.35	FEW ZONES WITH HIGHLY OXIDIZED Fe, Cu (<1%)							
322	327	96%		.60	SOME CALCITE INFILL IN SMALL FRACTURES, GRADUAL							
327	332	80%		.42	CHANGE FOR CONTACT AT BOTTOM.	009741	297	303.5	6.5'	<5	0.1	47
332	337	100%		.48								
337	342	87%		0	289' - 303.5' <u>DYKE, MED → DARK GRAY, MED GRAINED</u>	009742	303.5	312	8.5'	<5	<0.1	37
342	344	52%		0	HIGHLY FRACTURED WITH QTZ, INFILL, MODERATE							
344	349	88%		.22	BRECCIATION WITH CLASTS 1/8" → 3" (MATRIX SUPPORTED)	009743	312	322	10'	<5	0.3	71
349	352	82%		.34	MASSIVE AREAS SUPPORTED BY HEMATITE + QTZ. CMT. PYR							
352	357	100%		.95	(~1%) Cu (<1%) BOTTOM CONTACT ABRUPT.	009744	322	326	4'	59	1.6	144
357	362	100%		.95								
362	369	96%		.21	303.5' - 326 <u>DYKE, LT. GRAY - LT. BROWN,</u>							
					VERY FRACTURED - QTZ INFILL, QUITE BRECCIATED	009745	326	333.5	7.5'	<5	0.1	8
					WITH CLASTS 1/2" → 1" ROUNDED TO SUBROUNDED, PYR							
					(<1%) Cu (<1%) BOTTOM CONTACT ABRUPT.							

* PRIORITY SAMPLE

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE #
DDH-02-96

PROPERTY IOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 5 of 5
 Date Begun July 11/96 Date Logged July 13/96 Bearing 340° Total Depth 396
 Date Finished July 12/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/O
DIP: -85° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
				RDA								
368	372	87%		.29	326-333.5 ARGILLITE LT-MED GRAY,	009746	333.5	342	8.5'	10	<0.1	6
372	377	91%		.41	QUITE FRACTURED WITH QTZ INFILL, SOME							
377	382	85%		.24	CALCITE INFILL IN PLACES, Fe OXIDATION VISIBLE	009747	342	352	10'	7	<0.1	4
382	387	92%		.63	ALONG MARGINS OF VEINLETS, ALONG QUARTZ							
387	392	100%		.57	VEINS, PYR (~1%), Cu (<1%) CONTACT AT	009748	352	362	10'	5	<0.1	5
392	396	90%		.52	BOTTOM-ABRUPT, SOME DOL. INFILL IN PLACES.							
						009749	362	368	6'	<5	<0.1	5
					333.5-396 ARGILLITE LT. - MED GRAY, VERY							
					FRACTURED, QTZ INFILL WITH Fe OXIDATION ALONG	009750	368	377	9'	<5	0.1	5
					MARGINS OF VEINLETS, MINOR FAULTING OCCURRING							
					IN A FEW LOCALITIES, BRECCIATION VISIBLE IN THE	009751	377	387	10'	<5	0.1	5
					WIDER QTZ. VEINS WITH DOL. CLASTS (1/4"-2")-ANGULAR							
					IN SHAPE, SOME VEINS HAVE DOL. INFILL, Cu (<1%) PYR (1%)	009752	387	396	10'	6	0.1	7
					SOME OF THE VEINLETS DISPLAY DOL. INFILL							
					E.O.H (396')							

DIAMOND DRILL RECORD

HOLE # DDH-03-96

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

PROPERTY IOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 1 of 11
 Date Begun JULY 13/96 Date Logged JULY 14/96 Bearing 30° Total Depth 500'
 Date Finished JULY 15/96 Logged By D. MATTLA Elev. Collar 5800 Core Size N/O
 Dip: -65° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
				RDQ								
0	10'				CASING - 0 RECOVERY	009753	10'	20'	10'	<5	0.1	81
10'	13'	33%		0								
13'	16'	83%		.17	10-32' DYKE. MED GRAY-BROWN, MED-	009754	20'	32'	12'	<5	0.1	62
16'	20'	67%		0	COARSE GRAINED, VERY FRACTURED, -QTZ, INFILL							
20'	25'	85%		0	IN SMALL VEINLETS, Fe OXIDATION ALONG MARGINS OF	009755	32'	36'	4'	<5	<0.1	74
25'	29'	81%		.10	VEINLETS, EVIDENCE OF CHLORITE STAINING DISSEMINATED							
29'	34'	95%		0	THROUGH MUCH OF THE MATRIX OF THIS ZONE. PYR(1%)							
34'	36'	22%		0	Cu(<1%) BOTTOM CONTACT ABRUPT,							
36'	41'	100%		.29	2 SMALL FAULT ZONES PRESENT (MINOR) WITH 2" GOUGE							
41'	46'	96%		.42	EACH,							
46'	51'	100%		.62								
51'	56'	98%		.47	32'-36' DYKE. LT. GRAY-BROWN, VERY							
56'	61'	97%		.53	FRACTURED, Fe OXIDATION ALONG MARGINS OF							
61'	66'	100%		.35	FRACTURES, MOSTLY BRECCIATED WITH DOL. CLASTS							
66'	71'	100%		.22	MATRIX SUPPORTED, CLASTS 1/8"-3/4" ROUNDED							
71'	76'	96%		.53	TO SUBROUNDED, PYR(1%), Cu(<1%), BOTTOM							
					CONTACT GRADATIONAL.							

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

PROPERTY IOTA/MAMMOTH

HOLE # DDH-03-96

LOCATION DOLORES CREEK PROPERTY - MONTORO RES.

PAGE # 2 of 11

Date Begun JULY 13/96 Date Logged JULY 14/96 Bearing 30° Total Depth 500'

Date Finished JULY 16/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A

DIP: -65°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	ASSAY RESULT			
FROM	TO									Ag (ppb)	Ag (ppm)	Cu (ppm)	
				RDQ									
					36'-53' DYKE. MED GRAY-BROWN, ZONE APPEARS ALTERED WITH HEMATITE EXCEPT BOTTOM								
					2'. MINOR FAULT AT TOP WITH ~6" GOUGE, MOD. FRACTURING WITH DOL INFILL, DISTINCT FE OXID MARGIN AROUND VEINLETS, FAIRLY FRIABLE IN PLACES, SIGNS OF CU STAINING IN PLACES, Cu (<1%) SIGN OF PYR DISSEMINATION IN BOTTOM 3' OF ZONE (~1%) BOTTOM CONTACT GRADATIONAL	009756	36'	46'	10'		5	0.1	123
						009757	46'	53'	7'		7	0.1	212
						009758	53'	61'	8'*		.01		<.00
					53'-66' DOL. LT GRAY-LT. BROWN, QUITE FRACTURED, DISTINCT BEDDING PLANES, (BCN = ~30°) MANY TINY FRACTURES FILLED WITH Fe OXIDE PYR (1-2%), Cu (<1%), THE BRECCIATED ZONES CONTAIN CLASTS (1/2" - 1 1/2") MATRIX SUPPORTED ROUNDED TO SUBROUNDED, CONTACTS FAULT ZONE AT BASE	009759	61'	66'	5'*		.01		<.00
						009760	66'	75.5'	9.5'*		<.01		.003
					66'-68' FAULT ZONE LT. GREEN-GRAY, PREDOMINANTLY FAULT GOUGE WITH A FEW SOLID (THIN ~ 1/2" THICK) BEDS OF DOLOMITE. BOTTOM CONTACT ABRUPT.								

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

PROPERTY IOTA/MAMMOTH

HOLE # DDH-03-96

LOCATION DOLORES CREEK PROPERTY - MONTORO RES

PAGE # 3 of 11

Date Begun JULY 13/96 Date Logged JULY 14/96 Bearing 30° Total Depth 500'
 Date Finished JULY 15/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/O

DIP: -65°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	ASSAY	RESULTS		
FROM	TO										Ag	%Au	Au
				RDO									
76	81	96%		.57	68' - 75.5' DYKE LT. GRAY - LT. BROWN, DISTINCT	009761	75.5	86	9.5'	.09			.009
81	86	98%		.37	BEDDING PLANES IN PLACES (BCN = ~30°), SEVERAL								
86	89.5	100%		.50	BRECCIATED AREAS WITH DOL CLASTS 1/2" - 1" MATRIX	009771	86	89.5'	3.5'	.02			<.001
89.5	96	67%		.28	SUPPORTED, ROUNDED TO SUB-ROUNDED, VERY								
96	102	51%		0	FRACTURED WITH QTZ. INFILL, FE OXIDE	009772	89.5	96	6.5'	.08			.048
					MARGINS ARE FOUND AROUND VEINLETS, MORE OXIDATION	009773	96	102	6.0'	.01			<.001
102	107	95%		0	OCCURS GRADUALLY TOWARDS BOTTOM OF ZONE, PYR	009774	102	107	5.0'	.02			.006
107	117	85%		.11	(1%), CU (<1%), BOTTOM CONTACT GRADATIONAL	009764	107	117	10'	8	<0.1		71
										↑	↑	↑	
					75.5' - 99' DYKE BROWN, HIGHLY FRACTURED,					Au	Ag	Cu	
					QTZ. INFILL, HIGHLY BRECCIATED WITH QTZ. CLASTS					(ppb)	(ppm)	(ppm)	
					1/2" → 1 1/2" SUBROUNDED TO ANGULAR, MOST OF THE								
					ZONE APPEARS AFFECTED BY HEMATITIC ALTERATION,								
					PYR (1-2%), CU (<1%), BOTTOM CONTACT								
					ABRUPT, QUITE FRIABLE IN GENERAL.								
					99' - 107' QTZ. VEIN								
					LT. GRAY, HIGHLY FRACTURED,								
					HIGHLY BRECCIATED WITH QTZ. CLASTS 1/4" - 1", ANGULAR								
					AND MATRIX SUPPORTED, FE OXIDE COATING IN FRACTURES								
					ALONG MARGINS AND IN BEDDING PLANES, PYR (~1%)								
					BOTTOM CONTACT ABRUPT.								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # **DDH-03-96**

PROPERTY IOTA/MAMMOTH LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 457/1
 Date Begun JULY 13/96 Date Logged JULY 14/96 Bearing 30° Total Depth 500'
 Date Finished JULY 15/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/Q
 Dip: -65° ASSAY RESULTS

DEPTH FROM	TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	As	Ag	Cu
										(ppb)	(ppm)	(ppm)
1				RDQ		009765	117	125	8'	7	<0.1	85
115'	120'	90%		.07	107'-129' - <u>DYKE</u> LT-DK GRAY, MED GRAINED,							
120'	125'	98%		.17	HIGHLY FRACTURED, WITH QTZ VEINLETS, PYR (~2%)	009766	125	135	10'	5	<0.1	85
125'	130'	50%		0	DISSEMINATED THROUGHOUT, Cu (<1%) - DISSEMINATED							
130'	135'	86%		0	THROUGHOUT MATRIX, Fe OXIDATION APPARENT	009767	135	145	10'	<5	<0.1	71
135'	140'	80%		.07	ALONG FRACTURES, MORE FAULT ZONES (2) VISIBLE							
140'	145'	80%		0	ALONG WITH GOUGE, SOME SST STRINGERS VISIBLE	009768	145	150	5'	<5	0.1	40
145'	150'	92%		0	IN PLACES (2"-3") THICK (MASSIVE)							
150'	155'	98%		0		009769	150	155	10'*	<5	<0.1	21
155'	160'	98%		0	129'-150' <u>DYKE</u> BROWNISH GRAY, MED-COARSE							
160'	165'	100%		0	GRAINED, HIGHLY FRACTURED WITH QTZ INFILL, PYR	009770	155	157	2'	<5	<0.1	47
165'	170'	100%		.17	(1-2%) DISSEMINATED THROUGHOUT MATRIX, EVIDENCE							
170'	178'	87%		.24	OF Cu STAINING THROUGHOUT MATRIX (<1%), Fe OXIDE	009775	157	165	8'	5	0.1	28
178'	180'	97%		.19	COATING ALONG MARGINS OF VEINLETS, Cu CONSISTS							
180'	185'	100%		.13	OF MAINLY BORNITE, CHALCOPYRITE AND <u>SOME</u> NATIVE	009776	165	172.5	7.5'	<5	<0.1	180
					COPPER,							
						009777	172.5	182	9.5'	<5	0.1	164
					150'-157' <u>DYKE</u> , BROWN, MED-COARSE							
					GRAINED, HEMATITE AND QTZ. CMT., VERY HIGHLY	009778	182	190	8'	<5	0.2	184
					FRACTURED, HEMATITE APPEARS HIGHLY OXIDIZED. ∴ IT							
					IS FAIRLY FRIABLE, MANY FINE QTZ VEINLETS,							
					SEVERAL SMALL FAULTS VISIBLE, PYR (~1%) DISSEMINATED							

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

DIAMOND DRILL RECORD

HOLE # DDH-03-96

PROPERTY JOTA/MAMMOTH LOCATION DOLORES CREEK PROPERTY - MONTROD RES. PAGE # 5 of 11
 Date Begun JULY 13/96 Date Logged JULY 14/96 Bearing 30° Total Depth 500'
 Date Finished JULY 15/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A
 DIP: -65° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
				RQD								
					157'-172.5' - <u>DYKE</u> GRAYISH BROWN, HIGHLY FRACTURED, NUMEROUS QTZ. VEINS, FAIRLY MASSIVE, FE OXIDE COATING ON MARGINS OF VEINLETS, Cu (<1%), PYR (1%) SOME BRECCIATION WITH QTZT, CLASTS-MATRIX SUPPORTED, CLASTS 1/8" - 1" (SUBROUNDED - ANGULAR), QUITE FRIABLE, MINOR FAULTS PRESENT IN PLACES. BOTTOM CONTACT GRADATIONAL	009779	190	199.5	9.5'	10	<0.1	113
						009780	199.5	207	7.5'	<5	0.1	90
						009781	207	212	5'*	5	<0.1	139
					172.5' - 212' <u>DYKE</u> BROWN - REDDISH BROWN, HIGHLY FRACTURED, MINOR FAULTING IN AREAS, BRECCIATED IN A FEW AREAS WITH QTZT CLASTS ROUNDED TO ANGULAR, DOL. CLASTS SUBROUNDED TO ANGULAR (1/8" - 1/2") + ALL MATRIX SUPPORTED, Cu (<1%), PYR (~1%).							

* PRIORITY SAMPLE

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-03-96

PAGE # 6 of 11

PROPERTY IOTA/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTORO RES

Date Begun JULY 13/96 Date Logged JULY 14/96 Bearing 30° Total Depth 500'

Date Finished JULY 15/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A

DIP: -65° **ASSAY RESULTS**

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
				RQD								
185'	190'	98%		0	212-222.5 <u>DYKE, GRAY/BROWN, QUITE FRACTURED WITH QTZ. INFILL, FE OXIDE COATING</u>	009782	212	217	5'	<5	<0.1	189
190'	194'	100%		.08	ON MARGINS OF VEINLETS, BRECCIATED IN AREAS WITH QTZ CLASTS (1/2" - 3/4") ANGULAR AND	009783	217	222.5	5.5'	9	<0.1	202
194'	197'	65%		0	MATRIX SUPPORTED, PYR (~1%), Cu (<1%)							
					BOTTOM CONTACT ABRUPT.							
197'	199.5'	98%		0	222.5-227 - <u>QTZ. VEIN BROWN-RED, HIGHLY BRECCIATED WITH DOL CLASTS (1/2" - 3/4") ROUNDED TO SUBROUNDED, MATRIX SUPPORTED, SOME QTZ.</u>	009784	222.5	227	4.5'	9	0.1	164
199.5'	204.5'	100%		.27	VEINING (MINIMAL), FE OXIDE COATING SURROUND CLASTS AND COAT MARGINS OF VEINS, HEMATITIC							
204.5'	210'	98%		.18	ALTERATION QUITE APPARENT IN SOME AREAS, Cu (<1%)							
210'	215'	100%		.56	PYR (~1%)							
215'	219'	90%		.19								
217'	222.5'	100%		.28	227-231.5 <u>QTZ. VEIN CREAM-LT. GRAY, QUITE FRACTURED, BRECCIATED IN AREAS WITH DOL CLASTS</u>							
219'	224'	100%		.29	(1/2" - 3/4") ROUNDED TO SUBROUNDED - MATRIX SUPPORTED							
222.5'	227'	100%		.21	BCN-35°, Cu (<1%) PYR (~1%),							
224'	229'	100%		.29	BOTTOM CONTACT ABRUPT, FE OXIDE COATING ON MARGINS OF CLASTS AND BEDDING BOUNDARIES							

* PRIORITY SAMPLE

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

PROPERTY TOTA/MAMMOTH

HOLE # DDM-03-96

LOCATION DOLORIS CREEK PROPERTY - MONTROD RES

PAGE # 7 of 11

Date Begun JULY 13/96 Date Logged JULY 15/96 Bearing 30° Total Depth 500'

Date Finished JULY 15/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A

DIP: -65° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
				RQD								
227	231.5	100%		.47	231.5'-240.5' <u>DYKE</u> GRAY, MED.-COARSE GRAINED, MODERATELY FRACTURED WITH QTZ, INFILL	009785	227	231.5	4.5'	<5	0.1	12
229	234	98%		.51	SOME BRECCIATION WITH CLASTS (DOL) 1/4"-1/2"	009786	231.5	240.5	9'	<5	0.1	59
	231.5	98%		.48	SUBROUNDED-ANGULAR WITH FE OXIDE COATING							
	234	100%		.43	AROUND MARGINS AND SURROUNDING FRACTURES, Cu							
	240.5	100%		.52	(~1%) PYR (~1%) BOTTOM CONTACT ABRUPT.	009787	240.5	249.5	9'	8	<0.1	74
	239	100%		.50								
					240.5'-265.5' <u>DYKE</u> GRAY/BROWN, MED							
	244	100%		.57	GRAINED, WELL FRACTURED WITH QTZ, AND DOL VEINLETS, SEVERAL BRECCIATED ZONES WITH CLASTS	009788	249.5	260	9.5'	<5	<0.1	103
	249.5	100%		.32	(DOL.+QTZ.) 1/2"-1" ROUNDED TO SUBROUNDED, - MATRIX SUPPORTED, HEMATITE + QTZ, C.M.T. WHERE							
	254.5	100%		.77	THE HEMATITE IS MOSTLY OXIDIZED THROUGHOUT, SOME MINIMAL AMOUNTS OF CALCITE INFILL IN FRACTURES,	009789	260	265.5	5'	<5	0.2	99
	260	100%		.61	Cu (~1%), PYR (<1%) BOTTOM CONTACT GRADUAL,	009790	265.5	275	9.5'	7	0.2	169
	265	100%		.60								
					265.5'-283 <u>DOL.</u> BROWN-RED, SEVERELY FRACTURED + BRECCIATED, CLASTS (DOL) - 1/4"-1"							
	270	100%		.58	SUBROUNDED-ANGULAR, FE OXIDE COATING AROUND VEINLETS AND CLASTS, MOST OF THIS ZONE HAS							
	275	95%		.58								

DIAMOND DRILL RECORD

HOLE # DDH-03-96

PROPERTY IOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTERO RES. PAGE # 887/11
 Date Begun JULY 13/96 Date Logged JULY 15/96 Bearing 30° Total Depth 500'
 Date Finished JULY 15/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A
 DIP: -65° ASSAY RESULTS

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

DEPTH		RECOVERY	VISUAL LOG	ROCK CORE	RQD	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO												
275	283	100%		.93			009791	275	283	8'	13	0.4	60
280	285	100%		.63	BCN=30°, PYR(1%), Cu (<1%)								
					BOTTOM CONTACT ABRUPT.		009792	283	290	7'	<5	<0.1	7
285	290	100%		.40									
					283-301 DOL GRAY, HIGHLY FRACTURED -								
290	295	98%		.55	WITH DOL INFILL, CONTAINS BRECCIATED ZONES		009793	290	301	10.5'	10	0.4	30
					WITH DOL CLASTS 1/2" - 1 1/2", MATRIX SUPPORTED,								
295	300.5	98%		.48	SOME CALCITE INFILL IN PLACES, Cu (BORNITE) (<1%),		009794	301	311	10'	7	0.1	14
290	301	98%		.48	SOME NATIVE Cu INCLUDED, PYR (<1%), VISIBLE FE								
300.5	306	81%		.44	OXIDE COATING ALONG FRACTURE SURFACES AND		009795	311	319.5	8.5'	<5	0.2	15
					VEINLETS, BOTTOM CONTACT ABRUPT.								
306	311	100%		.68									
					301-319.5 DOL, LT-MED GRAY, HIGHLY		009796	319.5	331	11.5'	15	0.1	11
311	316	100%		.88	FRACTURED, - MAINLY DOL, WITH SOME CALCITE INFILL,								
311	319.5	98%		.86	CONTAINS HIGHLY BRECCIATED ZONES WITH DOL,		009797	331	336.5	5.5'	10	0.1	10
316	321	96%		.85	CLASTS (1/8" - 1") ROUNDED TO SUBROUNDED - MATRIX								
					SUPPORTED, MUCH OF THE TEXTURE IS VUGGY DUE		009798	336.5	339.5	3.0'	9	<0.1	13
321	326	100%		1.0	DISSOLUTION OF DOL CRT, POSSIBLE PITCHBLende (?) IN								
					A FEW VUGS (<1%), PYR (<1%)								
326	331	100%		.87									
331	336.5	100%		1.0									

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE #
DDH-03-96

PROPERTY IOTA/MAMMOTH LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 2 of 11
 Date Begun JULY 13/96 Date Logged JULY 15/96 Bearing 30° Total Depth 500'
 Date Finished JULY 15/96 Logged By D. MATTLA Elev. Collar 5800 Core Size N/A
 DIP: -65° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
336.5	339.5	100%		.58	RQD							
336.5	342	96%		.71	319.5 - 339.5 DOL. BROWN-RED, HIGHLY FRACTURED, BRECCIATED IN SOME REGIONS, WITH CLASTS (DOL.) RANGING 1/4" - 2" - ROUNDED TO SUBROUNDED - MATRIX SUPPORTED, PYR (<1%), Cu (<1%), U ₃ O ₈ (TR) TEXTURE QUITE VUGGY IN PLACES, BOTTOM CONTACT ABRUPT.	009799	339.5	347	1.5'	5	0.1	11
342	347	98%		.62		009800	347	351	10'	5	0.2	11
347	352	98%		.60		128476	357	364	7'	<5	0.1	10
352	357	98%		.60	339.5 - 371.5 DOL. LT. - MED GRAY, HIGHLY FRACTURED, BRECCIATED WITH DOL CLASTS (1/8 - 3/4") SUBROUNDED TO ANGULAR - MATRIX SUPPORTED, Fe OXIDE COATING ALONG MARGINS OF CLASTS AND DOL. VEINLETS VUGGY TEXTURE VISIBLE IN SCATTERED LOCATIONS THROUGHOUT THIS ZONE. MINIMAL TRACES OF CALCITE INFILL IN VEINLETS, PYR (<1%), U ₃ O ₈ (TR)	128477	364	371.5	9'	<5	<0.1	8
360	364	97%		.26		128478	311.5	382	9.5'	<5	<0.1	3
364	369	100%		.62		128479	382	392	10'	<5	<0.1	4
369	373	100%		.32	Cu (<1%) CONTACT GRADATIONAL							
373	375	0%		0								
375	377	65%		0								
377	382	100%		.12								
382	387	90%		.21								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-03-96

PROPERTY JOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 10 of 1
 Date Begun JULY 13/96 Date Logged JULY 16/96 Bearing 30° Total Depth 500'
 Date Finished JULY 15/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A
 DIP: -65° ASSAY RESULTS:

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	RQD	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO												
382	392	98%		128									
387	392	98%		.44		371.5 - 500' ARGILLITE, GRAY, HIGHLY FRACTURED, WITH CALCITE (MINIMAL) AND DOLOMITE INFILL, SIGN OF FE OXIDE COATING ON MARGINS OF VEINLETS, PYR (<1%), SOME BRECCIATED ZONES WITH CLASTS SUBROUNDED TO ANGULAR, - CLASTS (ARG) ARE MATRIX (DOL) SUPPORTED. VERY VUGGY TEXTURE DUE DISSOLUTION OF DOL. CNT. CLASTS (1/4" - 1"), U ₃₀₈ (TR)	128479	382	392	10'	<5	<0.1	4
392	397	96%		.20			128480	392	402	10'	<5	<0.1	5
397	402	100%		.37			128481	402	412	10'	<5	<0.1	3
402	407	98%		.37			128482	412	422	10'	5	<0.1	4
407	412	100%		.50		E.O.H - 500'	128483	422	432	10'	<5	<0.1	5
412	417	100%		.95			128484	432	441	10'	<5	<0.1	4
417	420	98%		.30			128485	441	451	10'	47	<0.1	5
420	422	100%		.62			128486	451	461	10'	7	<0.1	4
422	427	100%		.35			128487	461	466	10'	5	0.1	7
427	432	75%		0			128488	466	477	11'	<5	0.1	4
432	436	92%		.23									

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-03-96

PROPERTY ZOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 11 of 11
 Date Begun JULY 13/96 Date Logged JULY 16/96 Bearing 30° Total Depth 500'
 Date Finished JULY 15/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A
 DIP: -65° ASSAY RESULTS:

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
436	441	100%		.64		128489	477	486	9'	<5	<0.1	3
441	446	100%		.24		128490	486	495	9'	32	<0.1	3
446	451	97%		.11		128491	495	500	5'	6	<0.1	2
451	456	98%		.60								
456	461	100%		.17								
461	466	100%		.32								
466	472	100%		.26								
472	477	98%		.57								
477	481	98%		.15								
481	486	100%		.38								
486	490	70%		0								
490	495	90%		.37								
495	500	60%		0								

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

DIAMOND DRILL RECORD

HOLE # DDH-04-96

PROPERTY 10TA/MAMMOTH PAGE # 1 of 2
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES.
 Date Begun July 15/96 Date Logged July 17/96 Bearing 070° Total Depth 128'
 Date Finished July 16/96 Logged By D. MATTLA Elev. Collar 5800 Core Size N/C
 DIP: -62° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
				ROD								
0	10				CASING - 0 RECOVERY							
10	12	60%		0	10 - 32.5 <u>DYKE</u> , LT. GRAY, PREDOMINANTLY QTZ	128497	10'	22'	12'	<5	0.1	113
					CMT, SOME CALCITE CMT. (MINIMAL), HIGHLY FRACTURED							
12	22	40%		0	MOST FRACTURE ZONES DISPLAY Fe OXIDE COATING, MED.	128498	22'	32.5'	10.5'	<5	<0.1	93
					COARSE GRAINED, MATRIX HAS DISSEMINATED PYR (~1%)							
20	27	98%		.01	QTZ. VEINS DISPLAY UGGY TEXTURE, QUITE FRIABLE	128499	32.5'	42'	9.5'	5	0.1	116
22	32.5	91%		.09	ALTERED AREAS, BOTTOM CONTACT ABRUPT.							
27	32	85%		0		128500	42'	52'	10'	<5	0.2	125
					32.5 - 57.5 <u>DYKE</u> MED. - DARK GRAY, MED. - COARSE							
32	38	82%		.35	GRAINED, HIGHLY FRACTURED WITH MOSTLY QTZ. CMT, SOME	128501	52'	62'	10'	<5	0.1	93
32.5	42	15%		.11	CALCITE (MINIMAL) PRESENT, MORE HEMATITE PRESENT IN							
38	42	35%		0	UPPER 2/3 OF ZONE WITH LOWER 1/3 APPEARING	128502	62'	67'	5'	7	0.2	115
					MODERATELY LEACHED OUT, FAULT ZONES APPEAR NEAR							
42	47	98%		.43	UPPER CONTACT, TOP HALF OF ZONE - FAIRLY FRIABLE, Fe	128503	67'	72'	5'	6	0.1	271
					OXIDE COATING VISIBLE ALONG MARGINS OF FRACTURES							
47	52	100%		.32	AND VEINLETS, SOME CHLORITIZATION VISIBLE, PYR (<1%)	128504	72'	77'	5'	5	0.2	88
					BOTTOM CONTACT ABRUPT							
52	57	100%		.53		128505	77'	86'	9'	<5	<0.1	228
					57.5 - 78 <u>DYKE</u> , LT. GRAY, HIGHLY FRACTURED WITH							
57	62	98%		.43	DOL INFILL, Fe OXIDE COATING ALONG MARGINS OF FRACTURES							
					AND VEINLETS, PYR (1%), (BCN ~ 40°), Cu (<1%),							

* PRIORITY SAMPLE

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DD11-04-96

PROPERTY JOTA/MAMMOTH LOCATION DOLORES CREEK PROPERTY - MONTRO RES PAGE # 2 of 2
 Date Begun JULY 15/96 Date Logged July 17/96 Bearing 070° Total Depth 128'
 Date Finished JULY 16/96 Logged By D. MATTLA Elev. Collar 5800 Core Size N/O
 DIP: -62°

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	ASSAY RESULTS	
										Ag	Au
				RQD	AREA APPEARS VERY LEACHED OUT.					Ag	Au
62	67	100%	.66	.66	BRECCIATED AREAS VISIBLE WITH CLASTS 1/2" - 3/4" (DOL) MATRIX SUPPORTED, BOTTOM CONTACT ABRUPT.					(OZ./TON)	
67	72	95%	.38	.38							
72	77	100%	.31	.31	78-86 DYKE ^{LT} GRAY - QTZ AND DOL CMT, HIGHLY FRACTURED, WITH PREDOMINANTLY DOL. INFILL, SOME CHLORITIZATION VISIBLE, PYR (~1%) DISSEMINATED						
77	82	100%	.38	.38	THROUGHOUT MATRIX, Fe OXIDE COATING ALONG MARGINS						
77	86	80%	.26	.26	OF FRACTURES, BOTTOM CONTACT ABRUPT.						
82	87	75%	.15	.15							
86	91	65%	0	0	86-122 DOL. CREAMY WHITE - LT. GRAY,	128492	86	91	5'*	.02	.003
91	96	75%	0	0	HIGHLY FRACTURED, WITH DOL AND MINIMAL CALCITE						
86	87	95%	0	0	VEINING, Fe OXIDE COATING ALONG MARGINS OF	128493	91	96	5'*	<.01	<.001
87	92	80%	0	0	FRACTURED AREAS, PYR (2-3%), HEMATITE (TR)						
92	95	40%	0	0	ALONG SOME FRACTURES, Cu (<1%).	128494	96	101	5'*	.02	<.001
95	101	96%	.12	.12							
101	104	100%	0	0	122' - 128' - DRILLING DIFFICULT	128495	101	104	5'*	.01	<.001
104	107	33%	0	0	THROUGH SANDSTONE ZONE - 0 RECOVERY						
107	112	60%	0	0	- DRILLING TERMINATED AT 128' (E.O.H.)	128496	104	107	3'*	.01	.002
96	101	85%	.14	.14		128506	107	117	10'	<5	3.0
112	117	30%	0	0		128507	117	122	5'	<5	1.3
117	119	75%	0	0							

DIAMOND DRILL RECORD

HOLE #
DDH-05-96

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

PROPERTY 10TA/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 1503

Date Begun JULY 17/96 Date Logged JULY 18/96 Bearing 295° Total Depth 566'

Date Finished JULY 19/96 Logged By D. MATTLA Elev. Collar 5800 Core Size N/Q

DIP: -65°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
FROM	TO												
				RQD									
0	14	10%		0									
					0-23' DYKE (DIORITE) LT. BROWN, LEACHED								
14	23	44%		.04	AREA, EXTENSIVE FRACTURING, CALCITE INFILL, 0 MINERALIZATION, BOTTOM CONTACT ABRUPT.								
23	26	84%		0									
					23'-211' DYKE (DIORITE) DK. GRAY, HIGHLY								
26	31.5	95%		.17	FRACTURED WITH CALCITE INFILL, SEVERAL SMALL FAULT ZONES WITH GOUGE PRESENT, PYR (<1%)								
31.5	41.5	100%		.29									
					211'-225' FAULT ZONE - DYKE MATERIAL - HIGHLY								
41.5	43.5	96%		.17	FRACTURED - CALCITE INFILL, PYR (<1%) - MOSTLY FOUND AROUND THE CALCITE, SOME VISIBLE IN MATRIX, BOTTOM								
43.5	52	100%		.27	CONTACT ABRUPT								
52	57	100%		.37	225'-247.5' ARGILLITE SILICEOUS, LT-MED. GRAY								
57	60	100%		.36	HIGHLY FRACTURED, WITH QTZ. INFILL, MINIMAL AMOUNTS								
60	62	100%		.50	OF CALCITE INFILL IN PLACES, BCN = ~25°, SOFT SEDIMENT								
62	67	100%		.48	DEFORMATION VISIBLE MANY BEDS DISTORTED AND TILTED								
67	72	100%		.08	VERY STEEP, SOME BRECCIATION VISIBLE IN PLACES WITH								
72	77	100%		.07	ARG. CLASTS (1/2" - 1/4") SUB ROUNDED TO ANGULAR								
77	82	95%		.17	FE OXIDE COATING VISIBLE ALONG MARGINS OF SOME								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE #
DDH-05-96

PROPERTY 10TA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 283
 Date Begun JULY 17/96 Date Logged JULY 18/96 Bearing 290° Total Depth 566'
 Date Finished JULY 19/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/Q
 DIP: -65° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
				RQD								
82'	87'	100%		.07	VEINLETS, CHALCOPIRYRITE(?) - (TR); PYR (~1%),	128512	226	230.5	4.5'	5	0.3	313
87'	91'	97%		0		128508	230.5	237	6.5'	<5	1.2	64
91'	94'	96%		.26	247.5' - 330.5' ARGILLITE, SILICEOUS, DARK GRAY							
94'	97'	80%		0	TO BLACK, HIGHLY FRACTURED WITH QTZ. INFILL AND	128509	237	246	9'	<5	0.6	44
					MINIMAL CALCITE INFILL, UNIT COMPOSED OF INTERBEDDED							
226	230.5	70%		0	BLACK AND GRAY BEDS (1/16" - ~3/8") SOME SOFT	128510	246	256'	10'	<5	0.8	31
230.5	237	100%		.12	SEDIMENT DEFORMATION IS VISIBLE IN PLACES, SOME							
					VEINLETS SHOW FE OXIDE COATING ALONG MARGINS,	128511	256'	264	8'	<5	0.6	16
237	246	100%		.43	(BCN = ~35') BOTTOM CONTACT ABRUPT.							
						128513	264	269	5'	10	1.8	45
246	256	100%		.60	330.5' - 340' DYKE, LT. GRAY, MED-COARSE							
					GRAINED, MODERATELY FRACTURED WITH QTZ. INFILL,							
256	264	100%		.53	FE OXIDE COATING ON MARGINS OF FRACTURES, PYR (<1%)							
					DISSEMINATED THROUGHOUT MATRIX, BOTTOM CONTACT							
264	269	90%		0	ABRUPT.							
					340' - 359' DYKE LT. GRAY TO BROWN, MED-COARSE							
					GRAINED, HIGHLY FRACTURED, WITH QTZ. INFILL, SOME							
					BRECCIATION VISIBLE IN AREAS WITH DOL. CLASTS - ROUNDED							
					TO SUB ROUNDED, FE OXIDE COATING ALONG MARGINS OF							
					CLASTS AND FRACTURES, SHORT ALTERED AREA (~1')							

DIAMOND DRILL RECORD

HOLE # DDH-05-96

PROPERTY IOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 38/3
 Date Begun JULY 17/96 Date Logged JULY 19/96 Bearing 290° Total Depth 566'
 Date Finished JULY 19/96 Logged By D. MATTILA Elev. Collar 5800 Core Size N/A
 DIP: -65° ASSAY RESULTS

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)
FROM	TO												
				RQD									
					WITHIN 2 FEET OF TOP OF ZONE - MATERIAL QUITE OXIDIZED (REDDISH IN COLOR) AND FRIABLE, PYR (1%),								
346.5	351	100%		.39	BOTTOM CONTACT FAIRLY ABRUPT.	15470	346.5	351.0	4.5'	<5	0.2	71	9
363	367.5	96%		.38	359'-372' - <u>DOL</u> . LT. GRAY → RED, HIGHLY FRACTURED WITH <u>DOL</u> , <u>CLT</u> , SOME BRECCIATED ZONES WITH <u>DOL</u> CLASTS (1/4" - 1") ROUNDED TO SUBROUNDED.	15469	363	367.5	4.5'	<5	<0.1	49	21
367	372	85%		.20	HEMATITIC ALTERATION STRONGER FROM 363' - END OF ZONE - MUCH OF MATRIX IN THIS ZONE APPEARS	15468	367	372	5'	<5	<0.1	5	24
448	453	96%		.32	TOTALLY ALTERED - NOT FRIABLE, PYR (<1%), MASSIVE	15467	448	453	5'	8	0.2	5	17
518	523	100%		.45	372' - 566' - <u>DOL</u> MASSIVE, LT. - MED GRAY, HIGHLY FRACTURED WITH <u>DOL</u> INFILL, SEVERAL SMALL BRECCIATED AREAS SCATTERED AT RANDOM WITH CLASTS (SUBROUNDED TO SUBANGULAR) - 1/4" - 2", Fe OXIDE COATING ALONG MARGINS OF FRACTURES AND CLASTS. CLASTS ARE MATRIX SUPPORTED, SOME VISIBLE SIGNS OF PYR (<1%) ALONG VEINLETS.	15466	518	523	5'	<5	<0.1	4	15
					E. O. H.								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-06-96
 PAGE # 1 of 1
 Total Depth 58'
 Core Size N/Q
 DIP: -45°

PROPERTY 10TA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTURO RES
 Date Begun JULY 22/96 Date Logged JULY 23/96 Bearing 160°
 Date Finished JULY 22/96 Logged By D. MATTILA Elev. Collar 5500

DEPTH FROM	TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE													
				RQD																		
					CASING TO 12' (0 RECOVERY)																	
0	16'	6%		0	0-28.5' LIMESTONE - GRAY-LT. BROWN, HIGHLY FRACTURED, SOME BRECCIATION IS VISIBLE IN AREAS WITH CLASTS (LMST.) RANGING FROM 1/8" - 3/4" - SUBROUNDED TO ANGULAR, SOME TRACES OF FE OXIDE COATING VISIBLE ALONG MARGINS OF FRACTURES AND CLASTS. BOTTOM CONTACT IS GRADUAL. CLASTS ARE MATRIX SUPPORTED.																	
16'	28'	7%		0																		
28'	38'	15%		0																		
38'	43'	95%		.44																		
43'	48'	60%		.43	28.5-58' DOL - LT. GRAY-MED. BROWN, UNIT IS VISIBLY ALTERED IN SEVERAL AREAS AT RANDOM, HIGHLY FRACTURED WITH BRECCIATION VISIBLE IN SOME AREAS - CLASTS (DOL.) ARE SUBROUNDED TO SUBANGULAR (1/8" - 3/4") MATRIX SUPPORTED, FE OXIDE COATING VISIBLE ALONG MARGINS OF FRACTURES AND CLASTS, ALTERED AREAS APPEAR DISINTEGRATED AND ARE QUITE FRIABLE. PYR (<1%).																	
48'	53'	30%		0																		
53'	58'	40%		0																		
					HOLE TERMINATED AT 58' - POSSIBLE CONTACT WITH SHEAR ZONE CAUSING LOSS OF BIT, CORE BARREL AND RODS.																	
					E.O.H. (58')																	

DIAMOND DRILL RECORD

HOLE # DDH-07-96

PROPERTY 10TA/MAMMOTH
 LOCATION DOLORIS CREEK PROPERTY - MONTORO RES PAGE # 1081
 Date Begun JULY 23/96 Date Logged JULY 23/96 Bearing - Total Depth 110'
 Date Finished JULY 23/96 Logged By D. MATTILA Elev. Collar 5500 Core Size N/G
 DIP: -90°

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE				
FROM	TO												
				RQD	CASING TO 27'								
0	37'	50%		0	0-37' SAND - DIFFICULT DRILLING								
37'	56'	25%		.07	THROUGH THIS UNIT - NO DESCRIPTION TO GIVE AS NO STRUCTURE, ROCK TYPE OR MINERALIZATION IS APPARENT, BOTTOM CONTACT ABRUPT.								
56'	60'	60%		0									
60'	70'	20%		0	37-59' DOL - MED. - DARK BROWN - HIGHLY ALTERED (HEMATITIC-?), HIGHLY FRACTURED WITH FE OXIDE COATING VISIBLE ALONG FRACTURES, MINOR								
70'	80'	15%		0	CALICHE INFILL VISIBLE IN PLACES, ZONE APPEARS TO BE FAIRLY VUGGY IN FRACTURED AREAS DUE TO								
80	90	5%		0	WEATHERING, BOTTOM CONTACT ABRUPT.								
90	100	25%		.04	59-95' DOL LT. - MED GRAY, HIGHLY FRACTURED, FE OXIDE COATING VISIBLE ALONG MARGINS OF FRACTURES								
100	110	50%		0	UNIT IS QUITE FRIABLE IN LAST 2' NEAR BOTTOM CONTACT. BOTTOM CONTACT ABRUPT.								
					95'-110' DOL LT. BROWN, ALTERED, FRIABLE OVER MOST OF UNIT, HIGHLY FRACTURED, NO MINERALIZATION VISIBLE, E.O.H - 110' - DUE TO DRILLING								

PROBLEMS. E.O.H.

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-08-96

PAGE # 1 of 2

PROPERTY 10TA/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTROSE RES

Date Begun JULY 24/96 Date Logged JULY 25/96 Bearing 340° Total Depth 162'

Date Finished JULY 25/96 Logged By D. MATTILA Elev. Collar 5500 Core Size N/A
DIP: -65°

DEPTH		RECOVERY	VISUAL LOG	BKG-CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE
FROM	TO								
				RQD					
0	44'				CASING - 0 RECOVERY				
44'	48'	60%		.09	44'-63' LMST. LT. GRAY, HIGHLY FRACTURED, MASSIVE, FRACTURES HAVE DOL. INFILL, Fe OXIDE				
48'	50'	70%		0	COATING FOUND ALONG MARGINS OF FRACTURES, PYR (<1%)				
50'	52'	52%		0	63'-67.5' FAULT ZONE, - ROCK COMPOSITION SAME AS ABOVE WHERE DETECTABLE - THE REST IS FINELY				
52'	57'	97%		.21	GROUND UP MATERIAL ALONG WITH GOUGE, FE OXIDE COATING VISIBLE ON MOST FRACTURED SURFACES, PYR (<1%)				
57'	62'	95%		.15					
					67.5'-81' LMST. LT. GRAY, HIGHLY FRACTURED WITH				
62'	67'	60%		0	DOL INFILL, MOST OF THIS AREA (~70%) IS BRECCIATED WITH DOL MATRIX (MATRIX SUPPORTED), CLASTS ARE LMST				
67'	72'	80%		.18	SUBANGULAR TO ANGULAR (1/4" - 1 1/2"), FE OXIDE COATING VISIBLE ALONG MARGINS OF FRACTURES AND CLASTS				
72'	77'	60%		0	PYR (<1%) BOTTOM CONTACT ABRUPT.				
77'	82'	60%		0	81-91' FAULT ZONE ROCK COMPOSITION SAME AS ABOVE WHERE DETECTABLE. MOST OF MATERIAL IS ONLY				
82'	87'	65%		0	PEBBLE SIZE → GOUGE, PYR (TR.) FE OXIDE COATING VISIBLE ON MOST FRACTURED SURFACES.				

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DOM-08-96
 PROPERTY 10TA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTROSE, CO. PAGE # 2 of 2
 Date Begun JULY 24/96 Date Logged JULY 25/96 Bearing 340° Total Depth 162'
 Date Finished JULY 25/96 Logged By D. MATTILA Elev. Collar 5500 Core Size N/O
 DIP: -65°

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE					
				RQD										
81'	92'	85%		.07	91'-97' LMST - LT-MED. GRAY, HIGHLY FRACTURED, WITH DOL INFILL, 1/2 OF THIS ZONE IS BRECCIATED WITH CLASTS (LMST.) - 1/8" - 1 1/2" SUBANGULAR - ANGULAR, Fe OXIDE COATING VISIBLE ALONG MARGINS OF FRACTURES AND CLASTS (MATRIX SUPPORTED), PYR (<1%) GALENA (<1%)									
92'	97'	50%		.137										
97'	102'	45%		0										
102'	112'	0		0	97'-102' FAULT ZONE - COMPOSED OF MATERIAL AS IN THE ABOVE ZONE - HIGHLY FRACTURED - SOMEWHAT ALTERED - MOST MATERIAL - PEBBLE SIZE OR SMALLER SOME SULPHIDES - PYR (<1%) GALENA (TR)									
112'	126'	7%		0										
126'	129'	30%		0										
129'	132'	45%		0										
132'	137'	50%		0										
137'	142'	50%		0	102'-112' (?) - 0 RECOVERY									
142'	147'	50%		0										
147'	152'	60%		.10	112'-162' FAULT ZONE - SAME FAULT ZONE AS ABOVE. E.O.H.									
152'	157'	55%		0										
157'	162'	50%		.14										
					DRILLING TERMINATED DUE NO SIGN OF MINERALIZATION, DIFFICULT DRILLING AND POOR RECOVERY DUE TO FAULT ZONE.									

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-09-96

PAGE # 15/10

PROPERTY 10TA/MAMMOTH

LOCATION DOLARES CREEK PROPERTY - MONTORO RES

Date Begun JULY 27/96 Date Logged JULY 28/96 Bearing 160° Total Depth 672'

Date Finished JULY 30/96 Logged By D. MATTILA Elev. Collar 5581' Core Size N/Q

DIP: -50°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE					
FROM	TO													
				RQD	CASING TO 12' - 0 RECOVERY									
0	13	4%		0										
13	18	100%		.20	12'-32.5' <u>DOL.</u> LT. GRAY → BROWN → RED, HIGHLY FRACTURED WITH DOL. INFILL. MOST OF THIS UNIT (90%) IS BRECCIATED WITH DOL. CLASTS (1/16" - 3/4")									
18	22	98%		.32	SUBROUNDED TO ANGULAR, MATRIX (DOL.) SUPPORTED. ZONE IS VISIBLY ALTERED (HEMATITIC), MODERATE ALTERATION									
22	27	100%		.71	SOME HIGH (QUITE FRIABLE) ALTERED - ~6" MATERIAL AROUND 19' IS VISIBLE (FAULT?) - APPEARS LIKE GOUGE,									
27	32	90%		.29	SOME MINOR CALCITE INFILL ON SOME FRACTURED AREAS, SOME UGGY TEXTURE (MINOR) IS VISIBLE IN PLACES, LAST 2'									
32	37	100%		0	DISPLAYS SOFT SEDIMENT DEFORMATION, 0 MINERALIZATION									
37	42	95%		.24										
42	47	98%		.07	32.5' - 42' <u>DOL.</u> LT. GRAY → MED. BROWN, HIGHLY FRACTURED WITH DOL. INFILL, SOME MINOR AMOUNTS OF CALCITE IS VISIBLE ALONG SOME FRACTURES, ENTIRE ZONE									
47	52	85%		0	IS ALTERED EXCEPT TOP 1', SOME MINOR AMOUNTS OF CALCITE INFILL VISIBLE IN PLACES, SOME AREAS MORE									
52	57	90%		0	ALTERED ARE QUITE FRIABLE, PYR (TR.)									
57	60	95%		.24										

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

DIAMOND DRILL RECORD

HOLE # DDH-09-96

PROPERTY 107A/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 2 of 10
 Date Begun JULY 27/96 Date Logged JULY 28/96 Bearing 160° Total Depth 672'
 Date Finished JULY 30/96 Logged By D. MATTLIA Elev. Collar 5581' Core Size N/A
 DIP: -50° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	MOCR CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (PPM)	Ag (PPM)	Cu (PPM)
FROM	TO											
				RQD								
60	65	100%		.37	42'-55' <u>DOL.</u> LT. GRAY → LT. BROWN, EXTREMELY FRACTURED WITH DOL. AND MINOR AMOUNTS OF CALCITE							
65	70	100%		.72	INFILL, Fe OXIDE COATING VISIBLE ALONG MARGINS OF FRACTURES IN A FEW AREAS, THIS AREA MAY BE POSSIBLE							
70	75	100%		.69	FAULT ZONE (?) BOTTOM CONTACT ABRUPT.							
75	80	100%		.66								
80	85	98%		.72	55'-62' <u>FAULT ZONE</u> LT. GRAY → LT. BROWN, 4' OF THIS ZONE (TOP 4') IS MOSTLY FAULT GOUGE, THE REST APPEARS EXTREMELY FRACTURED (LIKE GRAVEL), MATERIAL							
85	91	100%		.84	IS COMPOSED OF LMST. WITH MINOR AMOUNTS OF DOL.							
86	91	100%		.86								
91	96	100%		.83								
93.5	97.5	100%		.86	62'-70.5' <u>DOL.</u> LT. → MED. GRAY, MODERATE	15453	93.5	97.5	4'	86	11.9	112
96	101	100%		.87	FRACTURING WITH MOSTLY DOL. AND MINIMAL CALCITE							
101	106	100%		.75	INFILL, TOP 3' OF ZONE IS BRECCIATED (MATRIX SUPPORTED) WITH LMST. CLASTS (1/8" - 1/2") SUBROUNDED TO ANGULAR, MINIMAL Fe OXIDE COATING VISIBLE ALONG MARGINS OF							
106	111	100%		.78	SOME FRACTURES. BOTTOM CONTACT ABRUPT.	15454	106'	111'	5'	31	0.9	20
111	116	100%		.77		15455	111'	116'	5'	12	1.9	18

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-09-96

PROPERTY 10TA/MAMMOTH LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 367/10
 Date Begun JULY 27/96 Date Logged JULY 28/96 Bearing 160° Total Depth 670'
 Date Finished JULY 30/96 Logged By D. MATTLA Elev. Collar 5581' Core Size N/Q
 DIP: -50° ASSAY RESULTS

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
				RQD								
70.5	75	100%		.69	70.5'-77' <u>DOL</u> , DARK → MED. GRAY, MODERATELY FRACTURED WITH DOL. INFILL, BOTTOM 3' IS BRECCIATED WITH DOL. CLASTS (1/8" → 3/4") MATRIX SUPPORTED, SUB-ROUNDED TO ANGULAR, SOME (MINIMAL) Fe OXIDE COATING VISIBLE ALONG MARGINS OF CLASTS AND FRACTURES, PYR (~1%). BOTTOM CONTACT ABRUPT.	15451	70.5	75	4.5'	32	9.2	147
					77'-86' <u>DOL</u> , LT. GRAY-LT. BROWN, BRECCIATED WITH DOL CLASTS (1/8"-1 1/2"), SUBROUNDED TO ANGULAR, MATRIX SUPPORTED, SOME ALTERATION (HEMATITIC) VISIBLE (~2") AT 82' LEVEL, THE REST APPEARS UNALTERED, Fe OXIDE COATING (MINIMAL) VISIBLE ALONG MARGINS OF SOME FRACTURES AND CLASTS, SOME CALCITE (MINIMAL) VISIBLE IN FRACTURES, PYR (TR.) BCN = ~35°	15452	86'	91	5.0'	29	2.8	87
					86'-93.5' <u>DOL</u> , BROWN → RED, BRECCIATED, WITH DOL CLASTS (1/8"-1") MATRIX, ZONE IS QUITE ALTERED (HEMATITIC), VISIBLE SIGNS OF DISSOLUTION OF CEMENT (DOL) ALONG SOME FRACTURES, DISSEMINATED PYR (<1%), BOTTOM CONTACT ABRUPT.							

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-09-96

PAGE # 4 of 10

PROPERTY 107A/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTRO RES.

Date Begun JULY 27/96 Date Logged JULY 28/96 Bearing 160° Total Depth 672'

Date Finished JULY 30/96 Logged By D. MATTILA Elev. Collar 5581' Core Size N1Q

Dip: -50'

DEPTH		RECOVERY	VISUAL LOG	REG CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)
FROM	TO											
116				RQD								
116'	121'	100%		.62	935'-975' DOL - LT. GRAY, BRECCIATED							
116'	120'	100%		.60	WITH CLASTS (1/8" - 2") SUBROUNDED TO ANGULAR,	15456	116'	120'	4'	6	2.4	19
121'	126'	95%		.27	MATRIX SUPPORTED, APPEARS QUITE LEACHED OUT,							
					CLASTS ARE DOL, SOME CHLORITIZATION (MINIMAL) IS							
126'	131'	98%		.32	VISIBLE, PYR (~1%), DISSEMINATED, SOME CALCITE							
					INFILL (MINIMAL) IS VISIBLE IN SOME FRACTURES, Fe							
131'	135'	100%		0	OXIDE COATING VISIBLE ALONG MARGINS OF SOME							
					FRACTURES. BOTTOM CONTACT GRADUAL.							
135'	141'	100%		0								
					97.5'-106' DOL - MED-DARK BROWN-RED, BRECCIATED,							
141'	145'	90%		0	WITH CLASTS (1/8" - 1") SUBROUNDED TO SUBANGULAR, MATRIX							
					SUPPORTED, SOME CHLORITIZATION (MINIMAL) VISIBLE IN							
145'	151'	100%		0	PLACES, MINIMAL CALCITE INFILL (IN SOME FRACTURES), MUCH							
					OF THIS ZONE (~30%) HAS A UGGY SURFACE, PYR (<1%)							
151'	162'	100%		.25								
					106'-120' DOL, LT. GRAY → PINKISH, ZONE APPEARS							
162'	169'	100%		.20	ALTERED (HEMATIC) - MODERATE, UPPER HALF OF ZONE -							
				✓	HIGHLY FRACTURED - LESS FRACTURED TOWARDS END							
169'	172'	96%		.71	OF ZONE, Fe OXIDE COATING VISIBLE ALONG MARGINS							
171'	176'	95%		.15	OF FRACTURES, MORE CHLORITE VISIBLE, PYR (~1%),							
172'	177'	100%		.07	BOTTOM CONTACT ABRUPT.							

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-09-96

PROPERTY 10TA/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 55/10

Date Begun JULY 27/96 Date Logged JULY 28/96 Bearing 160° Total Depth 672'

Date Finished JULY 30/96 Logged By D. MATTILA Elev. Collar 5581' Core Size N/A

DIP: -50°

DEPTH FROM	DEPTH TO	RECOVERY	VISUAL LOG	FROG CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu	Pb
										(ppb)	(ppm)	(ppm)	(ppm)
177'	181'	100%		RQD									
177'	181'	100%		.09	120'-168' <u>DOL</u> - LT GRAY, HIGHLY FRACTURED,	15457	171'	176'	5'	<5	<0.1	7	11
176'	181'	100%		.07	WITH DOL INFILL, MINOR CALCITE INFILL IN								
181'	185'	100%		.50	PLACES, Fe OXIDE VISIBLE ALONG MARGINS OF	15458	176'	181'	5'	<5	<0.1	6	8
					FRACTURES, MINOR FAULTS VISIBLE IN A FEW								
185'	191'	100%		.32	LOCALITIES, PYR (<1%),								
191'	196'	100%		.42		15459	191.5'	195.5'	5'	<5	0.1	7	9
191'	196'	100%		.42									
196'	201'	96%		.28	168-244' <u>DOL</u> LT GRAY, HIGHLY FRACTURED,								
					WITH DOL AND MINIMAL CALCITE INFILL, ZONE SHOWS								
201'	205'	96%		.08	MORE PRESENCE OF BRECCIATION, CLASTS (1/8" → 2")								
					SUBROUNDED TO ANGULAR, MATRIX SUPPORTED, Fe OXIDE								
205'	212'	100%		.48	PRESENT AT FRACTURE SURFACES AND CLAST MARGINS,	15460	205'	210'	5'	6	<0.1	13	14
205'	210'				SEVERAL SMALL FAULT ZONES VISIBLE, PYR (<1%),								
212'	217'	96%		.32	GALENA(?) <1%, COVELLITE(?) <1% - ALL THESE ARE								
					VISIBLE AROUND CLASTS AND FRACTURE ZONES,	15461	218.5'	223'	4.5'	<5	0.1	5	7
217'	220.5'	100%		.17									
218.5'	223'	100%		.07		15462	223'	226.5'	3.5'	<5	<0.1	4	8
220.5'	226'	100%		.41	244'-672' <u>DOL</u> LT GRAY, HIGHLY FRACTURED,								
223'	226.5'	100%		.24	DOL AND MINIMAL CALCITE INFILL, VISIBLE Fe OXIDE	15463	226.5'	231'	4.5'	6	<0.1	8	9
226'	231'	100%		.20	COATING ALONG FRACTURES, SEVERAL SMALL FAULTS								

FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-09-96

PROPERTY 10TA/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 6 of 10

Date Begun JULY 27/96 Date Logged JULY 29/96 Bearing 160° Total Depth 672'

Date Finished JULY 30/96 Logged By D. MATTILA Elev. Collar 5581' Core Size N/A

DIP: 50°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	As (ppm)	Cu (ppm)	Pb (ppm)
FROM	TO												
				RQD									
231	234	96%		.33	THROUGHOUT, SIGN OF BRECCIATION OCCURRING AT 382' - 386' - ONLY CHANGE FOR ~150'								
234	237.5	50%		0	SINCE START OF ZONE, CLASTS (1/4" - 1") ANGULAR, MATRIX SUPPORTED. PYR(TR.) GALENA(?) - TR.								
237.5	241	75%		0		15464	238'	243'	5'	<5	<0.1	3	6
238	243	95%		0	E.O.H.								
241	246	100%		.20									
246	251.5	100%		.38									
251.5	253.5	96%		0									
253.5	258.5	98%		0									
256.5	259.5	95%		0									
259.5	262.5	95%		0									
262.5	267	100%		0									
267	269.5	100%		0									

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-09-96

PROPERTY LOTA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 7 of 10
 Date Begun JULY 27/96 Date Logged JULY 29/96 Bearing 160° Total Depth 672'
 Date Finished JULY 30/96 Logged By D. MATTILA Elev. Collar 5581' Core Size N/Q
 Dip: -50°

DEPTH FROM	TO	RECOVERY	VISUAL LOG	REG- CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE					
				RQD										
269.5	271	80		0										
271	276.5	100%		.42										
276.5	282	100%		.61										
282	287	100%		.73										
287	292	100%		.50										
292	294.5	100%		.30										
294.5	299	100%		.14										
299	302	100%		.28										
302	307	100%		.73										
307	312	98%		.21										
312	318	100%		.24										
318	323	97%		0										
323	328	85%		0										
328	331	100%		0										
331	336	90%		0										
336	342	98%		0										
342	348	100%		.06										
348	352	100%		.17										
352	357	100%		.13										
357	363	100%		.36										
363	370	100%		.23										

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-09-96

PROPERTY 10TA/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTORO RES

PAGE # 8 of 10

Date Begun JULY 27/96 Date Logged JULY 30/96 Bearing 160° Total Depth 672'

Date Finished JULY 30/96 Logged By D. MATTILA Elev. Collar 5581' Core Size N/Q

DIP: -50°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)
FROM	TO												
				ROD									
370	372	95%		0		15465	382'	387'	5'	<5	0.1	6	13
372	377	100%		.23									
377	381	85%		.10									
381	387	100%		.67									
382	387	100%		.67									
387	391	100%		.52									
391	396	100%		.16									
396	399	100%		.65		15474	396'	399'	3'	8	<0.1	6	6
399	402	100%		.75									
402	407	100%		.86									
407	412	100%		.77									
412	417	100%		.78		15473	412'	417'	5'	1634	0.1	4	5
417	422	100%		.70									
422	427	100%		.72									
427	432	100%		.75									
432	437	100%		.69									
437	442	96%		.68									
442	445.5	100%		.32									
445.5	451	100%		.62									
451	456	100%		.56									
456	461	100%		.67									

DIAMOND DRILL RECORD

HOLE # DDH-09-96

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

PROPERTY 107A/MAMMOTH

LOCATION DOLORES CREEK PROPERTY-MONTORO RES. PAGE # 98710

Date Begun JULY 27/96 Date Logged JULY 30/96 Bearing 160° Total Depth 670'

Date Finished JULY 30/96 Logged By D. MATTILA Elev. Collar 5581' Core Size N/Q

DIP: -50°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE			
FROM	TO											
				RQD								
461	466	100%		.90								
466	471	100%		.46								
471	476	100%		.63								
476	481	100%		.56								
481	486	100%		.72								
486	491	100%		.60								
491	496	100%		.45								
496	498	100%		.33								
498	502	100%		.60								
502	507	100%		.65								
507	512	96%		.33								
512	517	100%		.20								
517	522	100%		.67								
522	526	100%		.39								
526	531	100%		.20								
531	536	100%		.37								
536	542	100%		.46								
542	547	100%		.72								
547	552	100%		.72								
552	557	100%		.68								
557	562	100%		.67								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE #
DDH-09-96

PROPERTY 107A/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 108/10
 Date Begun JULY 27/96 Date Logged JULY 30/96 Bearing 160° Total Depth 672'
 Date Finished JULY 30/96 Logged By D.MATTILA Elev. Collar 5581' Core Size N/A
 DIP: -50°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE			
FROM	TO											
				RQD								
562	567	100%		.43								
567	572	100%		.76								
572	577	100%		.85								
577	582	100%		.43								
582	587	100%		.52								
587	591	100%		.27								
591	596	100%		.30								
596	602	50%		.19								
602	608	95%		.24								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE #
DDH-10-96

PROPERTY 10TA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 13/4
 Date Begun JULY 30/96 Date Logged JULY 31/96 Bearing _____ Total Depth 250'
 Date Finished AUG. 11/96 Logged By D. MATTILA Elev. Collar 5581' Core Size N/Q
 DIP: -90°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu	Pb
FROM	TO												
				RQD									
0	12	0			0-12 CASING - NO RECOVERY								
12	17	85%		0		15475	12'	17'	5'	118	0.11	3	14
12	20	90%		0	12'-27.5' <u>DOL</u> , BROWN TO RED, HIGHLY FRACTURED, ALTERED (HEMATITIC), QUITE FRIABLE								
20	25	100%		.07	IN PLACES, SOME SMALL BRECCIATED AREAS VISIBLE WITH DOL. CLASTS (1/16" - 1") SUBANGULAR TO ANGULAR,	15476	20'	25'	5'	24	0.5	39	40
25	28	100%		.22	MATRIX SUPPORTED, SMALL FAULT ZONES VISIBLE WITH MINOR AMOUNTS OF GOUGE, PYR (<1%) GALENA (?) -								
28	32	100%		.35	TR - QUITE OXIDIZED, BOTTOM CONTACT ABRUPT. (IRON CARBONATE ZONE)								
32	37	100%		.50	27.5' - 52' <u>DOL</u> . BROWN - REDDISH BROWN, ZONE	15477	32'	37'	5'	56	0.14	69	3
37	40	100%		.47	IS MOSTLY BRECCIATED, WITH CLASTS (DOL) - 1/16" - 2" SUBANGULAR TO ANGULAR - MATRIX SUPPORTED, SOME								
40	45	100%		.51	AREAS ARE QUITE FRIABLE, EVIDENCE OF MINOR FAULTING IN PLACES, CLASTS APPEAR QUITE FRACTURED, BOTTOM	15478	46'	50'	5'	9	0.1	21	8
45	50	100%		.73	CONTACT GRADUAL, VUGGY TEXTURE (MINOR), PYR (<1%)								
46	50	100%		.73	MINIMAL CALCITE VISIBLE. (IRON CARBONATE ZONE)								
50	58	96%		.09									
50	53.5	95%		.09		15479	50	53.5	3.5'	22	0.2	10	6
58	63	98%		.07									

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-10-96

PROPERTY IOTA/MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTORO RES.

PAGE # 2 of 7

Date Begun JULY 30/96 Date Logged JULY 31/96 Bearing _____ Total Depth 250'

Date Finished AUG 1/96 Logged By D. MATYLA Elev. Collar 5581' Core Size N/Q

DIP: -90°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu	Pb
FROM	TO												
				RQD									
63	68	95%		0	52'-62' DOL GRAY/REDDISH BROWN, ALL OF ZONE								
64	68	95%		0	IS BRECCIATED, CLASTS (DOL) - 1/8" - 1/2", SUBANGULAR	15480	64'	68'	4'	41	11.1	394	37
68	73	90%		0	TO ANGULAR, MATRIX SUPPORTED (DOL), ZONE APPEARS ALTERED (HEMATITIC) - LESS THAN ABOVE NOTED ZONE,								
73	76	90%		0	MINOR FAULTING VISIBLE IN PLACES, MOST OF THIS ZONE APPEARS FAIRLY FRIABLE, MINOR VUGGY TEXTURE								
76	78	95%		0	PYR (TR). MINIMAL CALCITE VISIBLE								
78	80	90%		0	62'-81' FAULT ZONE - COMPOSED OF HIGHLY FRACTURED DOL. FROM FINE PEBBLES TO PIECES								
80	85	96%		.07	UP TO 2", UP TO 2' GOUGE VISIBLE, PYR (TR). MINOR AREAS OF HEMATITIC ALTERATION, LEACH OUT (?)								
85	90	90%		0	AREAS VISIBLE.								
90	95	100%		.20	81'-99.5' DOL. LT. GRAY, HIGHLY FRACTURED, DOL. INFILL, MINOR FAULTING VISIBLE, MINOR Fe OXIDE	15481	90'	95'	5'	19	0.1	3	41
95	100	100%		.19	COATING ALONG MARGINS OF VEINLETS → PINK COLOR, PYR (TR) BOTTOM CONTACT ABRUPT								
100	103	97%		.93									
103	108	100%		.22									

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-10-96

PROPERTY 10TA / MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 38/4
 Date Begun JULY 30/96 Date Logged JULY 31/96 Bearing _____ Total Depth 250'
 Date Finished AUG 1/96 Logged By D. MATTHEA Elev. Collar 5581' Core Size N/Q
 DIP: -90°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu	Pb
FROM	TO												
				RQD									
108	115	98%		0									
					99.5' - 105.5' DOL. GRAY - REDDISH BROWN,								
115	120	96%		0	WHOLE ZONE IS BRECCIATED, WITH CLASTS (1/16" - 1/4")								
					SUBANGULAR TO ANGULAR, CLASTS (DOL.) ARE MATRIX								
120	125	96%		.13	SUPPORTED, ZONE APPEARS TO BE ALTERED (HEMATITIC)								
					TWO INTERBEDDED CLAY BANDS (BROWN + GRAY) ~ 4"								
125	130	90%		0	A PIECE (ONE @ 103', THE OTHER BEFORE THE END @	15482	125'	130'	5'	6	<0.1	3	<1
					105.5') BCN ON THESE = ~ 20°, THE BOTTOM BAND								
130	135	75%		0	CONTAINS THREE LAYERS OF BRECCIATED DOL (~ 1/2" THICK	15483	130'	135'	5'	18	<0.1	26	6
					EACH). BOTTOM CONTACT ABRUPT. MINIMAL CALCITE.								
135	140	98%		.28									
140	145	90%		.08	105.5' - 250' DOL. MED. GRAY, HIGHLY								
					FRACTURED, WITH DOL. AND MINOR CALCITE INFILL. Fe								
145	150	100%		.50	OXIDE COATING VISIBLE ALONG MARGINS OF VEINLETS								
					AND CLASTS IN BRECCIATED AREAS, CLASTS ARE DOL.								
150	159	80%		.07	(1/8" - 1/2") SUBANGULAR TO ANGULAR, MATRIX								
					SUPPORTED, PYR (~ 1%) ZONE BECOMES MORE BRECCIATED								
159	162	75%		.22	FROM 135' - T.D. WITH DOL INFILL AND DOL CLASTS (1/8" - 3")								
					SUBANGULAR - ANGULAR, HEMATITIC DISCOLORATION VISIBLE								
162	167	98%		.49	IN SOME VEINLETS, MINIMAL CALCITE INFILL IN								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE #
DDH-10-96

PROPERTY 107A/ MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 488 4
 Date Begun JULY 30/96 Date Logged AUG. 1/96 Bearing _____ Total Depth 250'
 Date Finished AUG. 1/96 Logged By D MATTILA Elev. Collar 5581' Core Size N/Q
 Dip: -90°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu	Pb
FROM	TO												
				RQD									
167	170	95%		.50	SOME VEINLETS.					ppb	PPM		
170	175	100%		.52	E.O.H @ 250' - NO CHANGE IN STRUCTURE OR GEOLOGY - HOLE TERMINATED.								
175	180	100%		.28									
180	185	100%		.38									
185	190	100%		.50		15484	185'	190'	5'	25	0.11	26	6
190	195	100%		.90									
195	200	100%		.88									
200	205	100%		.62									
205	210	100%		.71									
210	215	100%		.87		15485	210'	215'	5'	<5	<0.1	6	3
215	220	98%		.87									
220	225	95%		.60									
225	230	98%		.88									
230	235	100%		.75									
235	240	95%		.28									
240	245	100%		.67									
245	250	98%		.74									

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-11-96

PROPERTY 10TA / MAMMOTH

LOCATION DOLORES CREEK PROPERTY - MONTROD RES. PAGE # 1 of 4

Date Begun AUG. 1/96 Date Logged AUG. 2/96 Bearing 090° Total Depth 446'

Date Finished _____ Logged By D. MATTILA Elev. Collar 5581' Core Size N/O

DIP: -50°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu	Pb
FROM	TO												
				RQD									
0	11'				CASING 0-11' - 0 RECOVERY					ppb	ppm	—	→
11'	14'	33%		0	13'-35' <u>DOL.</u> (IRON CARBONATE ZONE), REDDISH BROWN-ALTERED, BRECCIATED WITH DOL. CLASTS (1/16"-								
14'	19.5'	100%		.58	2"), SUBROUNDED TO ANGULAR, MATRIX SUPPORTED, LAST 2' IS FAIRLY FRIABLE, MATRIX IS ALTERED DOL CEMENT,								
19.5'	24.5'	96%		.57	CEMENT APPEARS FAIRLY VUGGY IN PLACES, SOME MINOR CALCITE VEINING VISIBLE, BOTTOM CONTACT								
24.5'	29.5'	91%		.55	ABRUPT.								
29.5'	35'	75%		.17									
35'	40.5'	70%		0	35'-45.5' <u>DOL.</u> MASSIVE, MED - DARK GRAY, HIGHLY FRACTURED, DOL. INFILL, MINOR CALCITE INFILL, MINOR Fe COATING ON MOST FRACTURES, SOME MINOR SOFT SEDIMENT								
40.5'	46'	95%		.68	DEFORMATION AROUND 42' (FOR ABOUT 2'), PYR (TR.)								
45.5'	50.5'	95%		.61	BOTTOM CONTACT ABRUPT.	15486	45.5'	50.5'	5'	10	20.1	4	<1
46'	51.5'	98%		.38									
51.5'	55.5'	100%		.35	45.5'-68.5' <u>DOL.</u> , LT. GRAY, HIGHLY FRACTURED, DOL INFILL, MINIMAL CALCITE INFILL, BRECCIATED FROM								
55.5'	60.5'	100%		.90	52' → END OF ZONE, WITH <u>DOL.</u> CLASTS AND DOL INFILL,	15487	55.5'	60.5'	5'	17	0.6	15	20

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-11-96

PROPERTY 10TA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTE RO RES. PAGE # 2 of 4
 Date Begun AUG. 11/96 Date Logged AUG. 2/96 Bearing 090° Total Depth 446'
 Date Finished _____ Logged By D. MATTILA Elev. Collar 5581' Core Size N/G
 Dip: -50°

DEPTH		RECOVERY	VISUAL LOG	MOCR CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	Au	Ag	Cu	Pb
FROM	TO												
				RQD									
60.5'	65.5'	100%		.82	CLASTS ARE SUBROUNDED TO ANGULAR (1/16" - ~2")								
					MATRIX SUPPORTED, MINOR FE OXIDE COATING ALONG								
65.5'	71'	95%		.69	MARGINS OF CLASTS IN SOME AREAS, PYR (TR) BOTTOM								
					CONTACT ABRUPT.								
71'	76'	100%		.92									
77'	81'	100%		.32	68.5' - 77' <u>DOL.</u> DARK BROWN, BRECCIATED -	15488	77'	81'	4'	9	(0.1)	4	3
76'	81'	100%		.32	DOL CLASTS (1/16" - 1/4") SUBROUNDED TO ANGULAR								
					MATRIX SUPPORTED, ZONE APPEARS ALTERED (HEMATITIC)								
81'	87'	85%		.23	WITH OCCASIONAL REDDISH STREAKS VISIBLE AMONGST								
					THE PREDOMINANTLY BROWN (DOL.) MATRIX, AREA IS								
87'	92'	90%		.57	GENERALLY FRIABLE THROUGHOUT ZONE, FAULT VISIBLE								
					AT 71' WITH ~1 1/2" GOUGE, PYR (TR.) BOTTOM								
92'	97'	55%		0	CONTACT ABRUPT.								
97'	99'	8%		0									
					77' - 82' <u>DOL.</u> LT. BROWN, HIGHLY FRACTURED,								
99'	108'	4%		0	DOL. INFILL, FE OXIDE COATING ALONG MARGINS								
					OF VEINLETS, TWO MINOR FAULTS VISIBLE ALONG LENGTH,								
108'	118'	40%		0	BOTTOM CONTACT RATHER ABRUPT, ZONE APPEARS LESS								
					ALTERED THAN ABOVE ZONE, PYR (TR.) BOTTOM								
118'	122'	0		0	CONTACT RATHER ABRUPT.								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE #
DDH-11-96

PROPERTY 10TA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES. PAGE # 3084
 Date Begun AUG. 1/96 Date Logged AUG. 2/96 Bearing 090° Total Depth _____
 Date Finished _____ Logged By D. MATTILA Elev. Collar 5581' Core Size N/O
 DIP: -50°

DEPTH		RECOVERY	VISUAL LOG	ROCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE	An	Ag	Ca	Pb
FROM	TO												
				RQD									
122'	126'	80%		0	82'-89' <u>DOL.</u> YELLOWISH BROWN, BRECCIATED WITH DOL. CLASTS (1/16" - 3/4") MATRIX (DOL.) SUPPORTED,					ppb	P/M		
126'	128'	75%		0	UNIT APPEARS LEACHED OUT, QUITE FRIABLE, SOME AREAS ARE CRUMBLER MASSES, - (FAULT ZONE?), BOTTOM								
128'	132'	85%		0	CONTACT ABRUPT.								
132'	135'	90%		0									
135'	141'	85%		0	82'-93.5' <u>DOL.</u> GRAY-BROWN, BRECCIATED, WITH DOL. CLASTS (1/16" - 2"), SUBANGULAR TO ANGULAR, MATRIX (ALTERED DOL.) SUPPORTED, UNIT IS FAIRLY								
141'	147'	90%		0	FRIABLE, PYR (TR) BOTTOM CONTACT ABRUPT,								
147'	151'	90%		.37									
147'	152'	90%		.37		15489	147'	151'	4'	25	0.1	4	1
152'	158'	92%		0	93.5' - 143' <u>FAULT ZONE</u> , HIGHLY FRACTURED, UNCONSOLIDATED, 2' AREA AT 110' - MORE CONSOLIDATED AND HIGHLY FRACTURED, Fe OXIDE COATING VISIBLE								
158'	162'	75%		0	AT MARGINS OF FRACTURED SURFACES, MANY SMALL PEBBLES HAVE ROUNDED EDGES. BOTTOM CONTACT ABRUPT								
162'	172'	90%		.11									
170'	175'	95%		.41		15490	170'	175'	5'	9	<0.1	14	5
173'					143'-151' <u>DOL</u> LT. TO MED GRAY, HIGHLY								

DIAMOND DRILL RECORD

DIP TEST		
FOOTAGE	ANGLE	
	READING	CORRECTED

HOLE # DDH-11-96

PROPERTY 10TA/MAMMOTH
 LOCATION DOLORES CREEK PROPERTY - MONTORO RES PAGE # 4864
 Date Begun AUG. 1/96 Date Logged AUG. 2/96 Bearing 090° Total Depth 446'
 Date Finished _____ Logged By D. MATTILA Elev. Collar 5581' Core Size N/Q
 DIP: -50°

DEPTH		RECOVERY	VISUAL LOG	BLOCK CODE	DESCRIPTION	SAMPLE #	FROM	TO	WIDTH OF SAMPLE					
FROM	TO													
				RQD										
					FRACTURED, DOL. INFILL, Fe OXIDE COATING ALONG MARGINS OF MOST VEINLETS, MINIMAL CALCITE INFILL, PYR (<1%), BOTTOM CONTACT ABRUPT.	15491	175'	180'	5'	5	0.1	6	3	
					151'-160' <u>FAULT ZONE</u> HIGHLY FRACTURED, MANY FRAGMENTS ARE ROUNDED, Fe OXIDE COATING ON MOST FRACTURED SURFACES									
					160'-446' <u>DOL.</u> HIGHLY FRACTURED, WITH DOL. INFILL, Fe OXIDE COATING ALONG MARGINS OF VEINLETS, MED GRAY IN COLOR, VEINLETS-WHITE, PYR (1%) - 172' LEVEL MINIMAL CALCITE INFILL, 180' → 446' - TR OF PYR IN PLACES - NO OTHER MINERALIZATION TO END OF HOLE.									

7/96

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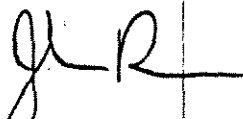
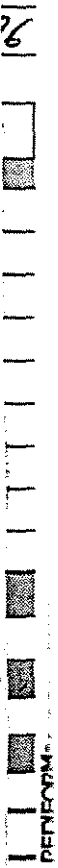
Page 1

Montoro Resources

WO#10399

Sample #	Au ppb	Ag ppm	Cu ppm
9701	6	0.3	15
9702	11	<0.1	2
9703	9	<0.1	13
9704	14	0.1	4
9705	<5	<0.1	3
9706	<5	<0.1	4
9707	<5	0.1	3
9814	9	<0.1	30
9815	<5	<0.1	152
9817	<5	<0.1	114
9818	<5	<0.1	141
9819	<5	<0.1	149
9820	<5	<0.1	109
9821	<5	<0.1	114
9822	6	<0.1	104
9823	<5	<0.1	116
9824	7	<0.1	139
9825	6	<0.1	148
9826	6	<0.1	113
9827	<5	<0.1	151
9828	17	<0.1	141
9829	55	4.0	182
9830	13	0.2	43
9831	<5	0.1	107
9832	<5	0.2	112
9833	11	0.1	83
9834	9	0.1	65
9835	12	0.1	94
9836	13	0.1	124
9837	15	1.1	141

id by

23/07/96

Assay Certificate

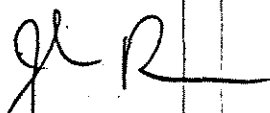
Page 2

Montoro Resources

WO#10399

Sample #	Au ppb	Ag ppm	Cu ppm
9838	60	1.2	89
9839	367	8.7	615
9840	60	0.7	69
9841	18	1.5	114
9842	<5	0.4	32
9843	33	0.2	24
9844	10	<0.1	5
9845	16	0.2	35
9846	34	1.8	106
9847	11	<0.1	15
9848	5	1.0	49
9849	5	<0.1	6
9850	4	<0.1	6

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26/07/96

Assay Certificate

Page 1

Montoro Resources

WO#10428

Sample #	Au ppb	Ag ppm	Cu ppm
9708	<5	<0.1	88
9709	6	0.1	131
9710	<5	<0.1	134
9711	<5	<0.1	113
9712	<5	<0.1	128
9713	6	0.1	112
9714	5	<0.1	97
9715	8	<0.1	196
9716	8	0.1	310
9717	5	0.1	84
9718	<5	<0.1	129
9719	6	<0.1	108
9720	5	0.1	94
9721	<5	0.1	100
9722	6	0.1	117
9723	6	0.1	120
9724	9	<0.1	117
9725	5	<0.1	101
9726	7	0.1	119
9727	5	<0.1	137
9728	<5	0.1	130
9729	<5	<0.1	127
9730	11	<0.1	133
9731	8	0.1	144
9733	6	<0.1	119
9734	7	0.1	211
9735	<5	<0.1	149
9736	<5	<0.1	89
9737	<5	<0.1	122
9738	5	<0.1	136

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Montoro Resources

WO#10428

Sample #	Au ppb	Ag ppm	Cu ppm
9739	<5	0.1	44
9740	<5	<0.1	37
9741	<5	0.1	47
9742	<5	<0.1	37
9743	<5	0.3	71
9744	59	1.6	144
9745	<5	0.1	8
9746	10	<0.1	6
9747	7	<0.1	4
9748	5	<0.1	5
9749	<5	<0.1	5
9750	<5	0.1	5
9751	<5	0.1	5
9752	6	0.1	7
9753	<5	0.1	81
9754	<5	0.1	62
9755	<5	<0.1	74
9756	5	0.1	123
9757	7	0.1	212
9764	8	<0.1	71
9765	7	<0.1	85
9766	5	<0.1	85
9767	<5	<0.1	71
9768	<5	0.1	40
9769	<5	<0.1	21
9770	<5	<0.1	47
9775	5	0.1	28
9776	<5	<0.1	180
9777	<5	0.1	164
9778	<5	0.2	184

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Montoro Resources

WO#10428

Sample #	Au ppb	Ag ppm	Cu ppm
9779	10	<0.1	113
9780	<5	0.1	90
9781	5	<0.1	139
9782	<5	<0.1	189
9783	9	<0.1	202
9784	9	0.1	164
9785	<5	0.1	12
9786	<5	0.1	59
9787	8	<0.1	74
9788	<5	<0.1	103
9789	<5	0.2	99
9790	7	0.2	169
9791	13	0.4	60
9792	<5	<0.1	7
9793	10	0.4	30
9794	7	0.1	14
9795	<5	0.2	15
9796	15	0.1	11
9797	10	0.1	10
9798	9	<0.1	13
9799	5	0.1	11
9800	5	0.2	11
128499	5	0.1	116
128500	<5	0.2	125
128501	<5	0.1	93
128502	7	0.2	115
128503	6	0.1	271
128504	5	0.2	88
128505	<5	<0.1	228
128476	<5	0.1	10

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Montoro Resources

WO#10428

Sample #	Au ppb	Ag ppm	Cu ppm
128477	<5	<0.1	8
128478	<5	<0.1	3
128479	<5	<0.1	4
128480	<5	<0.1	5
128481	<5	<0.1	3
128482	5	<0.1	4
128483	<5	<0.1	5
128484	<5	<0.1	4
128485	47	<0.1	5
128486	7	<0.1	4
128487	5	0.1	7
128488	<5	0.1	4
128489	<5	<0.1	3
128490	32	<0.1	3
128491	6	<0.1	2
128497	<5	0.1	113
128498	<5	<0.1	93

Note: Au is 30gm FA/AAS

05/08/96

Assay Certificate

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Montoro Resources

WO#10454

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm
128506	<5	3.0	28	
128507	<5	1.3	32	
128508	<5	1.2	64	
128509	<5	0.6	44	
128510	<5	0.8	31	
128511	<5	0.6	16	
128512	5	0.3	313	
128513	10	1.8	45	
15451	32	9.2	147	
15452	29	2.8	87	
15453	86	11.9	112	
15454	37	0.9	20	
15455	12	1.9	18	
15456	6	2.4	19	
15457	<5	<0.1	7	11
15458	<5	<0.1	6	8
15459	<5	0.1	7	9
15460	6	<0.1	13	14
15461	<5	0.1	5	7
15462	<5	<0.1	4	8
15463	6	<0.1	8	9
15464	<5	<0.1	3	6
15465	<5	0.1	6	13
15466	<5	<0.1	4	15
15467	8	0.2	5	17
15468	<5	<0.1	5	24
15469	<5	<0.1	49	21
15470	<5	0.2	71	9
15471	38	10.5	1071	
15472	5188	>50.0	3690	869

GRAB SAMPLE - TELECOM

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05/08/96

Assay Certificate

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Montoro Resources

WO#10454

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm
15651	<5	18.2	>10000	(RAM PROPERTY)

Note: Au is 30g FA/AAS.

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ASSAY CERTIFICATE

Montoro Resources Inc. PROJECT IOATA File # 96-2955
 8 - 1060 Alberni St., Vancouver BC V6E 4K2 Submitted by: Rick Wilson



SAMPLE#	Ag** oz/t	AU** oz/t
009758	.01	<.001
009759	.01	<.001
009760	<.01	.003
009761	.09	.009
009771	.02	<.001
009772	.08	.048
009773	.01	<.001
009774	.01	<.001
RE 009774	<.01	<.001
RRE 009774	.02	.002
128492	.02	.003
128493	<.01	<.001
128494	.02	<.001
128495	.01	<.001
128496	.01	.002
STANDARD R-1/AU-1	2.98	.096

AG** AND AU** BY FIRE ASSAY FROM 1 A.T. SAMPLE.
 - SAMPLE TYPE: CORE
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 18 1996

DATE REPORT MAILED: *July 22/96*

SIGNED BY: *C. Hoy* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

Post-itTM FAX TRANSMITTAL MEMO 7671 1
NO. OF PAGES

TO: <i>Rick</i>	FROM:
CO:	CO.:
DEPT:	PHONE #:
FAX #:	FAX #:

31/07/96

Assay Certificate

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Montoro Resources

WO#10454

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm
128506	<5			
128507	<5			
128508	<5			
128509	<5			
128510	<5			
128511	<5			
128512	5			
128513	10			
15451	32			
15452	29			
15453				
15454	37			
15455	12			
15456	6			
15457	<5			
15458	<5			
15459	<5			
15460	6			
15461	<5			
15462	<5			
15463	6			
15464	<5			
15465	<5			
15466	<5			
15467	8			
15468	<5			
15469	<5			
15470	<5			
15471	38			
15472	6440			

T #1

FLOAT (2 little pieces)

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08/08/96

Assay Certificate

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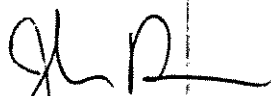
Montoro Resources

WO#10471

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm
15473	1634	0.1	4	5
15474	8	<0.1	6	6
15475	118	<0.1	3	14
15476	24	0.5	39	40
15477	56	0.4	69	3
15478	9	0.1	21	8
15479	22	0.2	10	8
15480	41	11.1	394	37
15481	19	0.1	3	<1
15482	6	<0.1	3	<1
15483	18	<0.1	4	1
15484	25	0.1	26	6
15485	<5	<0.1	6	3
15486	10	<0.1	4	<1
15487	17	0.6	15	20
15488	9	<0.1	4	3
15489	<5	<0.1	4	1
15490	9	<0.1	14	5
15491	5	<0.1	6	3
15652	<5	<0.1	3	<1
15653	15	<0.1	7	1
15654	<5	<0.1	3	2

Note: Au is 30g FA/AAS.

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23/07/96

Assay Certificate

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Montoro Resources

WO#10399

Sample #	Au ppb	Ag ppm	Cu ppm
✓9701	6	0.3	15
✓9702	11	<0.1	2
✓9703	9	<0.1	13
✓9704	14	0.1	4
✓9705	<5	<0.1	3
✓9706	<5	<0.1	4
✓9707	<5	0.1	3
✓9814	9	<0.1	30
✓9815	<5	<0.1	152
✓9817	<5	<0.1	114
✓9818	<5	<0.1	141
✓9819	<5	<0.1	149
✓9820	<5	<0.1	109
✓9821	<5	<0.1	114
✓9822	6	<0.1	104
✓9823	<5	<0.1	116
✓9824	7	<0.1	139
✓9825	6	<0.1	148
✓9826	6	<0.1	113
✓9827	<5	<0.1	151
✓9828	17	<0.1	141
✓9829	55	4.0	182
✓9830	13	0.2	43
✓9831	<5	0.1	107
✓9832	<5	0.2	112
✓9833	11	0.1	83
✓9834	9	0.1	65
✓9835	12	0.1	94
✓9836	13	0.1	124
✓9837	15	1.1	141

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Montoro Resources

WO#10399

Sample #	Au ppb	Ag ppm	Cu ppm
✓ 9838	60	1.2	89
✓ 9839	367	8.7	615
✓ 9840	60	0.7	69
✓ 9841	18	1.5	114
✓ 9842	<5	0.4	32
✓ 9843	33	0.2	24
✓ 9844	10	<0.1	5
✓ 9845	16	0.2	35
✓ 9846	34	1.8	106
✓ 9847	11	<0.1	15
✓ 9848	5	1.0	49
✓ 9849	5	<0.1	6
✓ 9850	4	<0.1	6

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Montoro Resources

WO#10454

Sample #	Au ppb	Ag ppm	Cu ppm	Pb ppm
15651	<5	<i>RAM</i>		

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