ASSESSMENT REPORT ON THE 1997 SOIL GEOCHEMICAL AND INDUCED POLARIZATION GEOPHYSICAL SURVEYS AT THE HARMONY GOLD PROJECT SANDSPIT, AMETHYST AND FEATHER GRIDS

GRAHAM ISLAND, QUEEN CHARLOTTE ISLANDS
SKEENA MINING DIVISION
BRITISH COLUMBIA
CANADA

N.T.S. 103F/08,09
Latitude 53°32' N
Longitude 132°13'W

MINERAL CLAIMS REFERENCED

Canyon 9-10, El Ninio, Feather 1-2, Ferguson
F 1-13, 15, Gold 10, 13, 14, 21, 22, Gw #7, 8, 9, #11
Misty 1-6, V 0-3, 6, 8-15, Qtz 1-2

Prepared for

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V6C 2V6

by

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January 30, 1998

VOLUME I

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1.0 SUMMARY

This report documents soil geochemical and induced polarization geophysical surveys completed in 1997 within the Harmony Gold Project mineral claim block. This block of 116 contiguous claims is centered on the Specogna epithermal gold deposit and the related, prospective Sandspit fault. These surveys are part of ongoing exploration by Misty Mountain Gold Limited of epithermal gold targets along the Sandspit fault and related structures. Latest resource estimates for the Specogna deposit indicate a mineable resource of 33.5 million tonnes of material grading 2.11grams gold per tonne at a 1.20 grams gold per tonne cut-off.

The Harmony Gold Project claims are situated on Graham Island at latitude 53° 31' north and longitude 132° 13' west, in NTS map sheet area 103F/9E, about 770 kilometres north of Vancouver, British Columbia.

The 1997 surveys were completed at three structural or geochemical target areas called the Sandspit, Amethyst and Feather grids.

Survey Type	Sandspit Grid	Amethyst Grid	Feather Grid
Line cutting and grid surveying (km)	35.1	14.2	6.9
IP geophysics (km)	35.1	5.1	6
Soil Geochemistry (number of samples)	206	328	184

Results of these surveys indicate two principal targets for further exploration.

A possibly significant gold resource could underlay the central Amethyst grid where a 400 m long by about 200 m wide area contains samples with greater than 30 parts per billion gold up to 368 parts per billion gold. Additional exploration for the bedrock source of this gold is warranted. The IP survey over this area did not indicate a possible source.

The Specogna deposit induced polarization chargeability/resistivity high extends over 500 m north of its present drill defined northern edge. This response warrants exploration by drilling.

2.0 INTRODUCTION

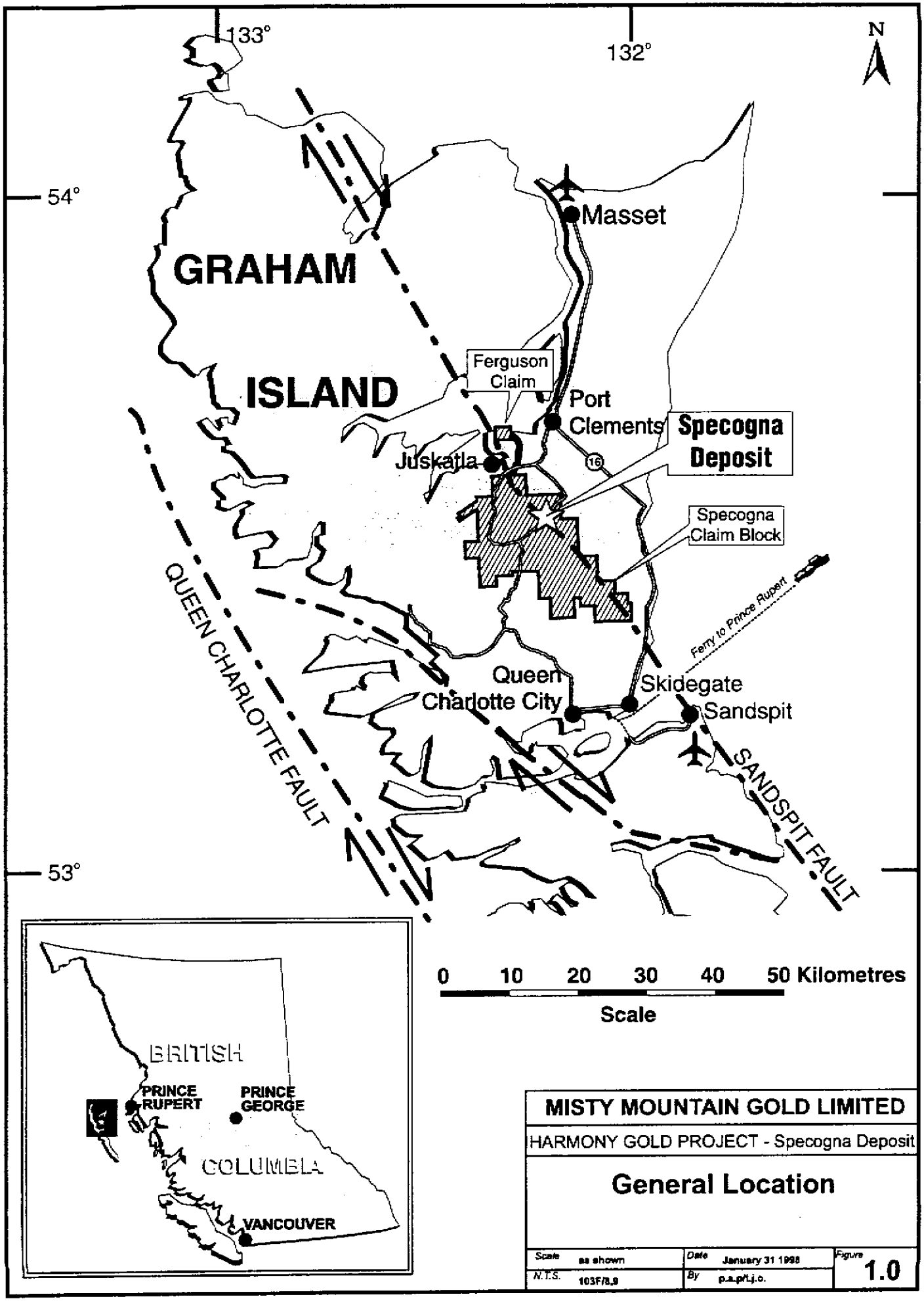
This report documents soil geochemical and induced polarization (IP) geophysical surveys completed in 1997 at three locations within the Harmony Gold Project mineral claim block. This block of 116 contiguous claims is centered on the Specogna epithermal gold deposit and the related, prospective Sandspit fault. These surveys are part of ongoing exploration by Misty Mountain Gold Limited of epithermal gold targets along the Sandspit fault and related structures.

Latest resource estimates for the Specogna deposit undertaken on behalf of Misty Mountain Gold Limited indicate a mineable resource of 33.5 Mt of material grading 2.11g Au/t at a 1.20 g Au/t cut-off (Whelhener, 1997). In addition to this, a further 19.2 Mt of material grading between 1.20 and 0.80g Au/t are available as a stockpile resource. Combining these two resources furnishes a potentially mineable resource of 52.7 Mt of material grading 1.70g Au/t, at an overall waste to ore stripping ratio of 1.2:1 (Niosi, 1997).

2.1 Location and Access

The Specogna deposit and regional Harmony Gold Project claims are situated on Graham Island at latitude 53° 31' north and longitude 132° 13' west, in NTS map sheet area 103F/9E, about 770 kilometres north of Vancouver, British Columbia. Graham Island is the most northerly large island in the Queen Charlotte Islands archipelago (Figure 1.0).

Access to the Specogna deposit is via logging roads from the towns of Queen Charlotte City and Port Clements with road distances of approximately 40 kilometres and 30 kilometres, respectively. Misty Mountain Gold Limited has established a trailer camp at Port Clements which is a 35-minute drive from the deposit. Daily flights from Vancouver and Prince Rupert land at the Sandspit airport where taxi and ferry service is available to Queen Charlotte City. Freight can be transported from or to the mainland by scheduled or contract-freight services using B.C. Ferries or independent barge services.



MISTY MOUNTAIN GOLD LIMITED

HARMONY GOLD PROJECT - Specogna Deposit

General Location

Scale	as shown	Date	January 31 1998
N.T.S.	103F/8,9	By	p.a.pr.j.o.

Figure 1.0

2.2 Physiography and Climate

The Specogna deposit is situated at a dilational jog along the northwest trending Sandspit fault (Figure 2.0). The fault scarp forms a major physiographic and geological boundary on Graham Island. The Fault separates the hilly and mountainous terrain associated with Mesozoic and Tertiary rocks of the Skidegate Plateau to the west from the predominantly flat and poorly drained terrain associated with Late Tertiary rocks of the Queen Charlotte Lowlands in the east (Sutherland Brown, 1968).

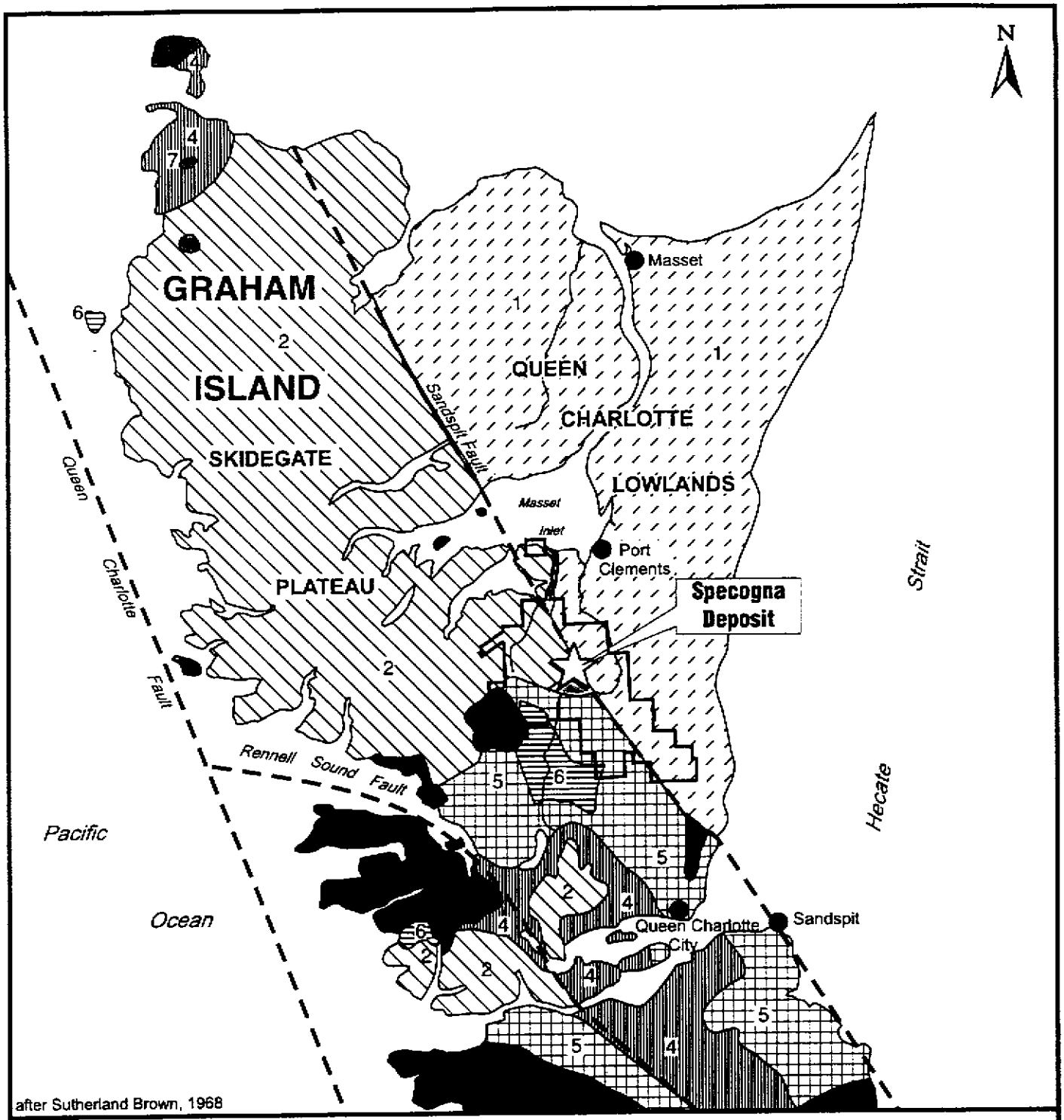
A substantial part of the claim area has been clear-cut logged, including the Specogna deposit area. Logging activity is presently ongoing in the claim area.

The climate of the Queen Charlotte Islands is typical of British Columbia maritime areas, with temperatures ranging from 1°C in January to 15°C in August. Annual average precipitation is in the order of 2 metres. Rain falls on approximately 213 days of each year. Snow falls on approximately 18 days of each year.

2.3 Exploration History

The Specogna deposit, previously referred to as the Cinola deposit, was discovered in early 1970 by two prospectors, Efrem Specogna and Johnny Trico (Champigny et al., 1980). From 1971 to 1991, nine successive companies completed 392 holes for a total drilling meterage of 44,831m. During this period 474 metres of underground exploration was also completed and a mine development plan for the deposit was taken to an advanced stage feasibility study (Christopher, 1997; City Resources (Canada) Limited, 1988).

In November 1994, directors of the Hunter Dickinson Group (Inc.) acquired controlling interest in the deposit through the formation of a new company called Misty Mountain Gold Limited. Subsequently, 36,626 metres of additional diamond drilling in 151 holes and a number of technical studies on gold amenability have been completed.



TERTIARY

1 **Skonun Formation** *Clastic Sediments*

2 **Masset Formation** *Basalt, Andesite, Rhyolite Volcanics*

CRETACEOUS

3 **Haida Formation** *Sandstone - mudstone*

4 **Undivided Sediments**

JURASSIC

5 **Yakoun Formation** *Andesitic Flows, Volcaniclastic*

TRIASSIC-JURASSIC

6 **Undivided Sediments**

CRETACEOUS-TERTIARY

Intrusives *Diorite - granite*

Mineral Claims

MISTY MOUNTAIN GOLD LIMITED

HARMONY GOLD PROJECT - Specogna Deposit

Regional Geology

Scale	as shown	Date	January 31 1996	Figure
N.T.S.	103F/8,9	By	p.a.pt.j.c.	2.0

2.4 1997 Surveys

The 1997 surveys of Induced Polarization (IP) geophysics and soil geochemistry were completed at three structural or geochemical target areas called the Sandspit, Amethyst and Feather grids.

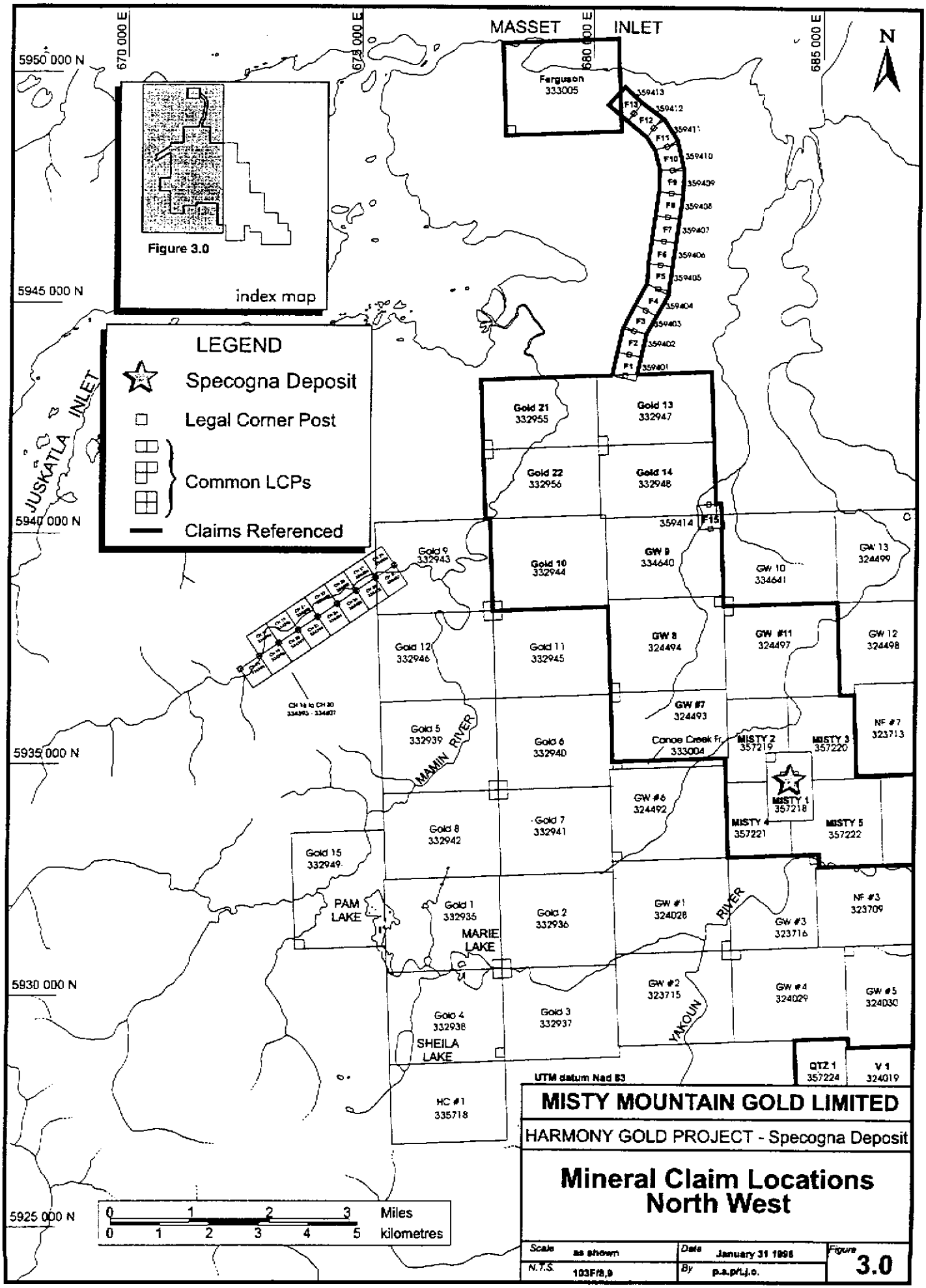
Survey Type	Sandspit Grid	Amethyst Grid	Feather Grid
Line cutting and grid surveying (km)	35.1	14.2	6.9
IP geophysics (km)	35.1	5.1	6
Soil Geochemistry (number of samples)	206	328	184

3.0 CLAIM DATA

The 304 square kilometre Harmony Gold Project consists of 116 mineral claims totaling 1,217 units. These claims are located as shown in overview in Figures 3.0 and 3.1 and in detail in Figure 3.2. The claims are situated in the Skeena Mining Division on NTS map sheets 103/F08 and 103/F09.

The claims are owned 100% by Misty Mountain Gold Limited except for the El Ninio claim. Misty Mountain Gold Limited has an option to earn a 75% interest in the El Ninio claim which is held by Doromin Resources Ltd.

A listing of the claims for which the assessment work documented in this report was filed, is given in Table 1.0. A listing of all Harmony Gold Project claims is listed in Appendix I.


MASSET INLET
670 000 E
675 000 E
680 000 E
685 000 E
5950 000 N
5945 000 N
5940 000 N
5935 000 N
5930 000 N
5925 000 N
N
Figure 3.0
index map
LEGEND
Specogna Deposit
Legal Corner Post
Common LCPs
Claims Referenced
JUSKATLA INLET
Ferguson 333005
359413
359412
359411
359410
359409
359408
359407
359406
359405
359404
359403
359402
359401
F13
F12
F11
F10
F9
F8
F7
F6
F5
F4
F3
F2
F1
359414
F15
Gold 21 332955
Gold 13 332947
Gold 22 332956
Gold 14 332948
Gold 9 332943
Gold 10 332944
GW 9 334640
GW 10 334641
GW 13 324499
Gold 12 332946
Gold 11 332945
GW 8 324494
GW #11 324497
GW 12 324498
GW #7 324493
Gold 5 332939
Gold 6 332940
MAMIN RIVER
Canoe Creek Fr. 333004
MISTY 2 357219
MISTY 3 357220
NF #7 323713
MISTY 1 357218
MISTY 4 357221
MISTY 5 357222
GW #6 324492
Gold 8 332942
Gold 7 332941
Gold 15 332949
PAM LAKE
Gold 1 332935
Gold 2 332936
MARIE LAKE
GW #1 324028
RIVER
GW #3 323716
NF #3 323709
GW #2 323715
GW #4 324029
GW #5 324030
YAKOUN
Gold 4 332938
Gold 3 332937
SHEILA LAKE
QTZ 1 357224
V 1 324019
HC #1 335718
UTM datum Nad 83
0 1 2 3 Miles
0 1 2 3 4 5 kilometres
MISTY MOUNTAIN GOLD LIMITED
HARMONY GOLD PROJECT - Specogna Deposit
Mineral Claim Locations North West
Scale as shown
Date January 31 1996
Figure 3.0
N.T.S. 103F/8,9
By p.a.p/t.j.c.

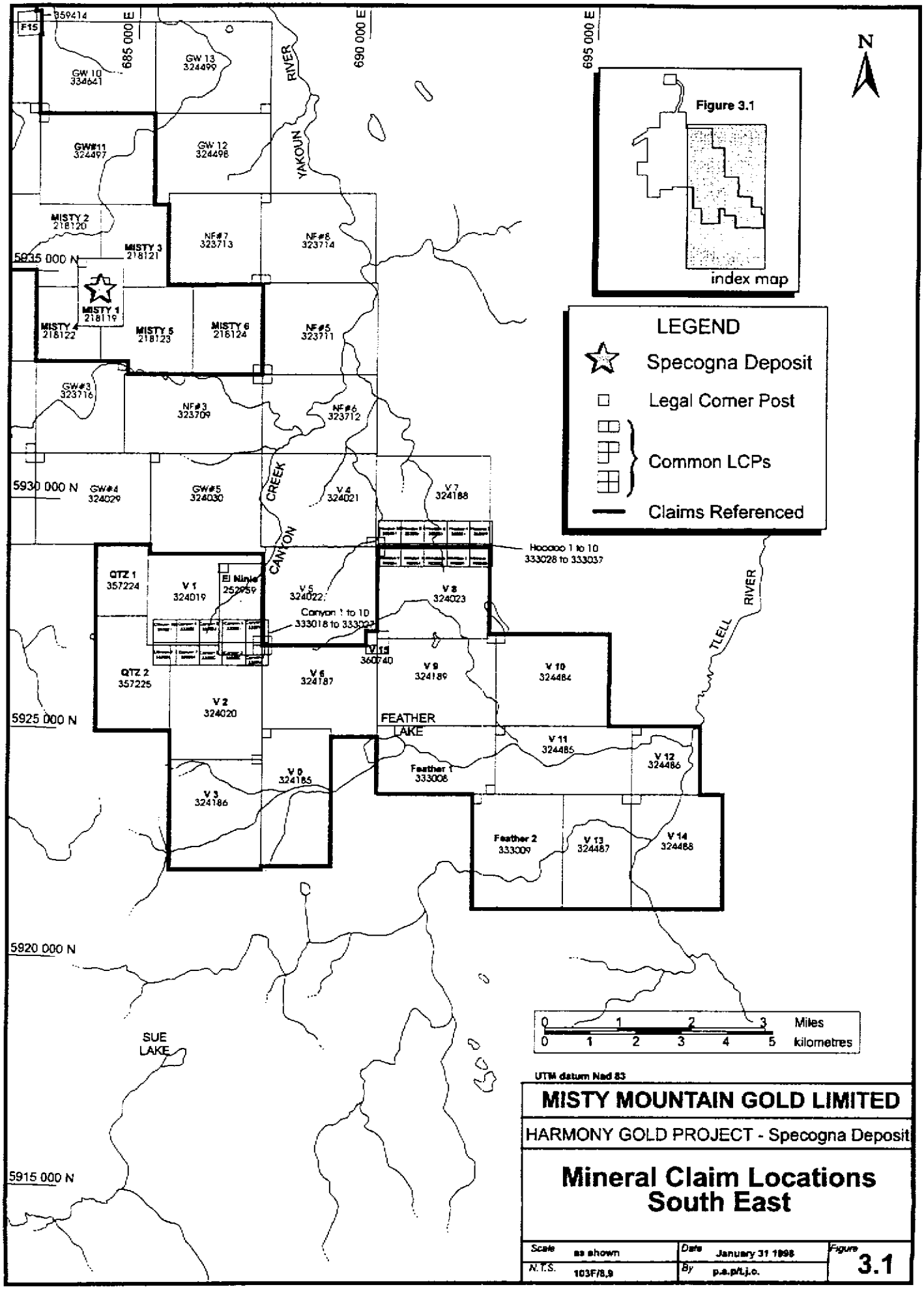

359414
F15
685 000 E
690 000 E
695 000 E
GW 10
334641
GW 13
324499
RIVER
YAKOUN
GW#11
324497
GW 12
324498
MISTY 2
218120
MISTY 3
218121
NF#7
323713
NF#8
323714
5935 000 N
MISTY 1
218119
MISTY 4
218122
MISTY 5
218123
MISTY 6
218124
NF#5
323711
GW#3
323716
NF#3
323709
NF#6
323712
5930 000 N
GW#4
324029
GW#5
324030
CREEK
V 4
324021
V 7
324188
CANYON
Hoooo 1 to 10
333028 to 333037
QTZ 1
357224
V 1
324019
El Ninio
252959
V 5
324022
V 8
324023
Canyon 1 to 10
333018 to 333027
V 15
360740
TLELL
RIVER
QTZ 2
357225
V 6
324187
V 9
324189
V 10
324484
5925 000 N
V 2
324020
FEATHER
LAKE
V 11
324485
V 12
324486
Feather 1
333008
V 0
324185
V 3
324186
Feather 2
333009
V 13
324487
V 14
324488
5920 000 N
SUE
LAKE
5915 000 N
N
Figure 3.1
index map
LEGEND
Specogna Deposit
Legal Corner Post
Common LCPs
Claims Referenced
0 1 2 3 Miles
0 1 2 3 4 5 kilometres
UTM datum Nad 83
MISTY MOUNTAIN GOLD LIMITED
HARMONY GOLD PROJECT - Specogna Deposit
Mineral Claim Locations
South East
Scale as shown
N.T.S. 103F/8,9
Date January 31 1998
By p.a.p/t.j.c.
Figure 3.1

Table 1.0 Mineral Claims Referenced

NTS 103F8, 103F9.

Skeena Mining Division

Claim Name	Units	Tenure Number	Completion Date	Expiry Date*
CANYON 9	1	333026	06-Dec-94	06-Dec-07
CANYON 10	1	333027	06-Dec-94	06-Dec-07
EL NINIO	8	252959	21-Aug-89	21-Aug-07
FEATHER 1	20	333008	05-Dec-94	05-Dec-00
FEATHER 2	20	333009	05-Dec-94	05-Dec-01
FERGUSON	20	333005	02-Dec-94	02-Dec-07
F 1	1	359401	18-Sept-97	18-Sept-98
F 2	1	359402	18-Sept-97	18-Sept-98
F 3	1	359403	18-Sept-97	18-Sept-98
F 4	1	359404	18-Sept-97	18-Sept-98
F 5	1	359505	18-Sept-97	18-Sept-98
F 6	1	359506	18-Sept-97	18-Sept-98
F 7	1	359507	18-Sept-97	18-Sept-98
F 8	1	359508	18-Sept-97	18-Sept-98
F 9	1	359509	18-Sept-97	18-Sept-98
F 10	1	359510	18-Sept-97	18-Sept-98
F 11	1	359511	18-Sept-97	18-Sept-98
F 12	1	359512	18-Sept-97	18-Sept-98
F 13	1	359513	18-Sept-97	18-Sept-98
F 15	1	359514	18-Sept-97	18-Sept-98
GOLD 10	20	332944	28-Nov-94	28-Nov-07
GOLD 13	18	332947	30-Nov-94	28-Nov-05
GOLD 14	18	332948	30-Nov-94	28-Nov-05
GOLD 21	15	332955	30-Nov-94	30-Nov-07
GOLD 22	15	332956	30-Nov-94	30-Nov-06
GW #7	15	324493	26-Mar-94	26-Mar-07
GW 8	20	324494	26-Mar-94	26-Mar-07
GW 9	20	334640	31-Mar-95	31-Mar-07
GW #11	20	324497	28-Mar-94	28-Mar-07
MISTY 1	6	357218	25-Jun-97	25-Jun-08
MISTY 2	20	357219	29-Jun-97	29-Jun-08
MISTY 3	20	357220	29-Jun-97	29-Jun-07
MISTY 4	16	357221	29-Jun-97	29-Jun-07
MISTY 5	16	357222	29-Jun-97	29-Jun-08
MISTY 6	20	357223	29-Jun-97	29-Jun-07
V 0	18	324185	16-Mar-94	16-Mar-01
V 1	20	324019	09-Mar-94	09-Mar-07
V 2	20	324020	11-Mar-94	11-Mar-07
V 3	20	324186	18-Mar-94	18-Mar-01
V 6	20	324187	17-Mar-94	17-Mar-01
V 8	20	324023	12-Mar-94	12-Mar-07
V 9	20	324189	17-Mar-94	17-Mar-01
V 10	20	324484	30-Mar-94	30-Mar-01
V 11	18	324485	01-Apr-94	01-Apr-01
V 12	9	324486	02-Apr-94	02-Apr-01
V 13	15	324487	03-Apr-94	03-Apr-02
V 14	20	324488	03-Apr-94	03-Apr-01
V 15	1	360740	27-Nov-97	27-Nov-98
QTZ 1	12	357224	01-Jul-97	01-Jul-01
QTZ 2	20	357225	01-Jul-97	01-Jul-01

* subject to acceptance of this assessment report.

4.0 PROPERTY GEOLOGY

The geology of the Queen Charlotte Islands has been mapped by A. Sutherland-Brown and documented in the British Columbia Department of Mines Bulletin No. 54 (1968). The bulletin identifies five main rock formations within the Harmony Gold Project claim area: the Jurassic Yakoun Formation; the Cretaceous Queen Charlotte Group, which includes the Haida and Honna Formations; the Early Tertiary Masset Formation; and the Late Tertiary Skonun Formation (Figure 2.0). The Gold Creek and Juskatla Tertiary volcanic complexes have been mapped and described more recently by Hickson (1991).

The Harmony Gold Project claims are aligned along the northwest trending, steep easterly dipping Sandspit fault. The Specogna deposit is located in the immediate hanging wall of the fault at a strike flexure or dilational jog, possibly related to the fault intersecting the Gold Creek volcanic complex. The fault appears to have been an active scarp that resulted in the Masset and Yakoun formations west of the fault contributing to the Skounon Formation sediments being deposited east of the fault in a subsiding basin. The Specogna gold deposit formed by a hot spring system that was fed by a fluid conduit within the plane of the Sandspit fault.

4.1 Yakoun Group

The lithology of the Middle Jurassic (Bajocian) Yakoun Group is described by Indrelid et al. (1991). The Yakoun Group contains an abundance of primary and reworked volcanic material that was deposited in marine and subaerial environments. These volcanics include tuffs, lapilli tuffs, breccias and andesitic flows. Lithologies of the reworked sedimentary sections include the following: relatively deep water interbedded tuff and shale; shallower marine interbedded tuffaceous shale, siltstone and fine to coarse sandstone; and conglomerate, ranging from matrix supported gravel conglomerate to clast supported pebble and cobble conglomerate.

4.2 Queen Charlotte Group

The Middle to Upper Cretaceous Queen Charlotte Group rock sequence is composed of a tripartite sedimentary package of conglomerates, sandstones and mudstones: the Albian Haida Formation, the Cenomanian to Santonian Skidegate Formation, and the Coniacian to Santonian Honna Formation (Forgarassy and Barnes, 1991). These rock types have been identified in outcrop at numerous localities in the Queen Charlotte Islands (Haggart, 1991).

Forgarassy and Barnes (1991) suggest that the Haida-Skidegate-Honna sequence represents an overall fining upward sedimentary package deposited during a marine transgression event. The base of the Haida Formation is recognized as a non-marine, probably fluvial deposit that quickly grades upward into near shore shallow marine sediments. The overlying mudstones of the Skidegate Formation indicate the gradual deepening of waters in this marine environment. The Honna Formation, which overlies the Haida and Skidegate Formations, consists of coarse grained clastics that may represent either submarine channel and turbidite deposition or fan-delta deposition.

4.3 Masset Formation

The Late Oligocene to Early Pliocene Masset Formation is composed of aphyric to feldspar-phyric, mafic to felsic lava flows and pyroclastics. Minor intercalated sediments that underlie much of Graham Island occur within the Formation (Hickson, 1991). Hickson observed thick rhyolite flows at the core of inland hills along the west coast of Graham Island. These flows may represent vent areas from which volcanic products and sediments were shed to the east and west. Hickson indicates that the Masset Formation accumulated at or above sea level.

4.4 Skonun Formation

The Specogna deposit is hosted by the Tertiary (Miocene to Pliocene) Skonun Formation. This formation is the youngest present on Graham Island and is characterized by marine and non-

marine detrital sediments. These sediments consist of a thick sequence of conglomerates, sandstones, mudstones, siltstones, and volcanic pyroclastics. Seven units of the Skonun Formation have been identified in the area of the Specogna Deposit (Deighton et al., 1989). These units include mudstones, siltstones, sandstones, conglomerates and sedimentary breccias.

5.0 SOIL GEOCHEMICAL SURVEYS

During August to November 1997, Misty Mountain Gold Limited conducted soil geochemical surveys at the Sandspit, Amethyst and Feather grids. These grids are located as shown in Figure 3.2. The locations of the Sandspit and Feather grids were selected by centering the grids on the Sandspit fault as indicated by airborne geophysics (Case, 1997; Pezzot, 1997). The Amethyst grid is a westward extension of an earlier grid that had anomalous gold soil geochemistry at its west edge.

Soil samples were collected along the surveyed grid lines at the locations shown in Figures 4.1 to 4.3. The grid coordinate for each sample was used as the sample number. Samples were collected from glacial basal till underlying a 0.5 to 2 m thick blanket of black organic soil. The basal till is generally unoxidized and contains varying amounts of rounded pebbles and cobbles in a very compacted blue-grey clay matrix. Augers were used to sample the till through the organic soil. Samples were sent to International Plasma Laboratory in Vancouver for preparation and 32 element ICP and gold geochemical analysis. The analytical procedures used are given in Appendix II and the analytical results are given in Appendix III.

The gold geochemistry for the surveys are plotted in Figures 4.1 to 4.3. Gold is the single most significant element in these surveys since it strongly indicates the Specogna deposit at the east end of lines 5934700N and 5935000N where highs of 592 and 138 parts per billion (ppb) gold were obtained (Figure 4.1). The target areas of the Sandspit grid survey were the western and northern portions of the grid. No significant results worth pursuing were obtained.

With the results from near the Specogna deposit as a guide, it is apparent that a potentially significant gold resource could underlay the central Amethyst grid. Here, centered on line 9800N and station 7275E, the soil geochemical survey resulted in a significant area of samples containing greater than 30 ppb gold, with highs of 320 and 368 ppb gold (Figure 4.2). Additional exploration for the bedrock source of this gold is warranted in this 400 m long by about 200 m wide area.

Gold soil geochemistry for the Feather grid resulted in an isolated single maximum sample result of 150 ppb (Figure 4.3). Based on these results alone, no further work is recommended here.

6.0 INDUCED POLARIZATION GEOPHYSICAL SURVEYS

In October to November 1997, Lloyd Geophysics Inc. of Vancouver conducted IP surveys on the Sandspit, Amethyst and Feather grids under contract to Misty Mountain Gold Limited. These surveys were completed after an initial orientation survey over the Specogna deposit indicated that the technique would work well on delineating this moderately sulphidic and strongly silicified deposit type. The Sandspit and Feather grids were located along the Sandspit fault as defined by Pezzot (1997). The Amethyst grid was located over an area of anomalous gold geochemistry as defined in Section 5.0 above. The purpose of the surveys at each of the grids was to search for signatures similar to that of the Specogna deposit.

A complete report by D.A. Klit of Lloyd Geophysics Inc., January 1998, giving the IP survey techniques, data and results is attached in Appendix VI.

In his report, Klit indicates that the Specogna deposit chargeability/resistivity high extends over 500 m north of its present drill defined northern edge. This IP response warrants exploration by drilling. Klit also identifies several IP features at the Feather and Amethyst grids that would be of more interest if they coincided with anomalous soil geochemistry. No significant IP response is associated with the gold soil geochemical anomaly at the Amethyst grid.

7.0 CONCLUSIONS

The results of the soil geochemical and IP geophysical surveys on the Sandspit, Amethyst and Feather grids indicate two principal targets for further exploration.

A possibly significant gold resource could underlay the central Amethyst grid. A 400 m long by about 200 m wide area contains samples with greater than 30 parts per billion gold, and with highs of up to 368 parts per billion gold. Additional exploration for the bedrock source of this gold is warranted. The IP survey over this area did not indicate a possible source.

The Specogna deposit chargeability/resistivity high extends over 500 m north of its present drill defined northern edge. This IP response warrants exploration by drilling.

8.0 STATEMENT OF COSTS

The collective costs for the line cutting, grid surveying, soil sampling and IP geophysical surveying on the Sandspit, Amethyst and Feather grids, for the period August 15 to December 15, 1997, are as follows:

Line cutting, grid surveying and soil sampling field personnel:

Sandspit Grid			
Bernhard Augsten, project manager	36 days at $300/day	$10,800	
Bogart Cross, field technician	53 days at $180/day	$ 9,540	
Thomas Nottelman, field technician	27 days at $240/day	$ 6,480	
Peter Fischl, field technician	18 days at $240/day	$ 4,320	
Gary Parup, field technician	20 days at $240/day	$ 4,800	
Kevin Maguire, field technician	21 days at $180/day	$ 3,780	
John Merril, field technician	29 days at $160/day	$ 4,640	
Wilfred Parnel, field technician	30 days at $160/day	$ 4,800	
Gerald Amos, field technician	35 days at $160/day	$ 5,600	
	Subtotal 269 person days	Subtotal.....	$54,760
Amethyst Grid			
Bernhard Augsten, project manager	12 days at $300/day	$ 3,600	
Bogart Cross, field technician	18 days at $180/day	$ 3,240	
Thomas Nottelman, field technician	20 days at $240/day	$ 4,800	
Peter Fischl, field technician	12 days at $240/day	$ 2,880	
Gary Parup, field technician	4 days at $240/day	$ 960	
Tara Laycock , field technician	12 days at $240/day	$ 2,880	
John Merril, field technician	18 days at $160/day	$ 2,880	
Wilfred Parnel, field technician	20 days at $160/day	$ 3,200	
Gerald Amos, field technician	18 days at $160/day	$ 2,880	
	Subtotal 134 person days	Subtotal.....	$27,320
Feather Grid			
Bernhard Augsten, project manager	6 days at $300/day	$ 1,800	
Bogart Cross, field technician	12 days at $180/day	$ 2,160	
Thomas Nottelman, field technician	16 days at $240/day	$ 3,840	
Tara Laycock , field technician	11 days at $240/day	$ 2,640	
John Merril, field technician	15 days at $160/day	$ 2,400	
Wilfred Parnel, field technician	16 days at $160/day	$ 2,560	
	Subtotal 76 person days	Subtotal.....	$15,400

Crew mobilization/demobilization from Vancouver to Port Clements.....$8,100

Food and Accommodation (479 field technician plus 200 IP crew person days):

Food services	679 person days at $67.50/day	$45,833	
Accommodation	3 months trailer camp at $3400/month	$10,200	
		Subtotal.....	$56,033

Vehicle Rentals:
Four crew cab and suburban 4X4's for 3 months at $1875/month.....$22,500

Equipment and Supplies:		
Field supplies including chain saw rentals and repairs		$7,875
Vehicle fuel and repairs		$5,590
		Subtotal.....$13,465
Laboratory Soil Sample Analysis:		
Sandspit grid	206 samples at $25/sample	$ 5,150
Amethyst grid	328 samples at $25/sample	$ 8,200
Feather grid	184 samples at $25/sample	$ 4,600
		Subtotal.....$17,950
Contractors: Lloyd's Geophysics Inc. – Induced Polarization Surveying		
Sandspit grid	29 survey days at $1765.50/day	$51,200
Amethyst grid	5 survey days at $1765.50/day	$ 8,827
Feather grid	6 survey days at $1765.50/day	$10,593
	(Crew of 5 for 40days = 200 person days)	
One ton 4x4 crew cab for 40 days at $80.25/day		$ 6,472
Mob/demobilization from Vancouver to Port Clements		$ 9,611
Report and map preparation		$ 4,280
		Subtotal.....$90,983
Report Preparation:		
Haslinger, Richard - writing	5 days at $400/day	$ 2,000
Nottelman, Thomas – graphics	15 days at $260/day	$ 3,900
		Subtotal.....$5,900
Management:		
Haslinger, Richard	15 days at $400/day	$ 6,000
Regagliati, Mark	5 days at $500/day	$ 2,500
		Subtotal.....$8,500
		TOTAL $320,911

These costs were incurred at the three grids in separate approved work programs as follows:

Work Approval Number	Grid	Portion of Costs
SMI-97-0200017-164	Sandspit grid	$191,650
SMI-97-0200017-249	Amethyst grid	$ 76,492
SMI-97-0200017-290	Feather grid	$ 52,769
	Total	**$320,911**

9.0 REFERENCES

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10.0 STATEMENT OF QUALIFICATIONS

I, Richard J. Haslinger, of the City of Vancouver, Province of British Columbia, DO HEREBY CERTIFY THAT:

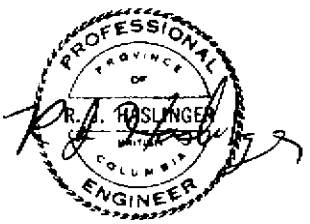
1. I am a Geological Engineer employed by Misty Mountain Gold Limited, a mineral exploration company with offices at Suite 1020 - 800 West Pender Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia, with a Bachelor of Applied Science in Geological Engineering, 1986.

3. I have practiced my profession continuously since graduation.

4. I am a member in good standing of the Association of Professional Engineers and Geoscientists of British Columbia.

5. The foregoing report is based on:
   a) A study of available company and government reports.
   b) My personal knowledge of the area resulting from my direct participation in and management of exploration on the Harmony Gold Project since February 1995 to December 1997.



R.J. Haslinger, P.Eng.
January 30, 1998

APPENDIX I

HARMONY GOLD PROJECT MINERAL CLAIM HOLDINGS

JANUARY 1998

APPENDIX 1 HARMONY GOLD PROJECT MINERAL CLAIM HOLDINGS
JANUARY 1998

NTS 103F8, 103F9, 103F15
Skeena Mining Division

Claim Name	Units	Tenure Number	Completion Date	Expiry Date	Ownership
CANOE CREEK FRACTION	1	333004	08-Dec-94	08-Dec-07	Misty Mountain (100%)
CANYON 1	1	333018	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CANYON 2	1	333019	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CANYON 3	1	333020	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CANYON 4	1	333021	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CANYON 5	1	333022	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CANYON 6	1	333023	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CANYON 7	1	333024	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CANYON 8	1	333025	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CANYON 9	1	333026	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CANYON 10	1	333027	06-Dec-94	06-Dec-07	Misty Mountain (100%)
CH 14	1	334391	14-Mar-95	14-Mar-07	Misty Mountain (100%)
CH 15	1	334392	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 16	1	334393	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 17	1	334394	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 18	1	334395	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 19	1	334396	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 20	1	334397	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 21	1	334398	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 22	1	334399	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 23	1	334400	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 24	1	334401	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 25	1	334402	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 26	1	334403	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 27	1	334404	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 28	1	334405	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 29	1	334406	15-Mar-95	15-Mar-07	Misty Mountain (100%)
CH 30	1	334407	15-Mar-95	15-Mar-07	Misty Mountain (100%)
EL NINIO	8	252959	21-Aug-89	21-Aug-07	Doromin Resources (100%)*
FEATHER 1	20	333008	05-Dec-94	05-Dec-00	Misty Mountain (100%)
FEATHER 2	20	333009	05-Dec-94	05-Dec-01	Misty Mountain (100%)
FERGUSON	20	333005	02-Dec-94	02-Dec-07	Misty Mountain (100%)
F 1	1	359401	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 2	1	359402	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 3	1	359403	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 4	1	359404	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 5	1	359505	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 6	1	359506	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 7	1	359507	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 8	1	359508	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 9	1	359509	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 10	1	359510	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 11	1	359511	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 12	1	359512	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 13	1	359513	18-Sept-97	18-Sept-98	Misty Mountain (100%)
F 15	1	359514	18-Sept-97	18-Sept-98	Misty Mountain (100%)
GOLD 1	20	332935	23-Nov-94	23-Nov-07	Misty Mountain (100%)
GOLD 2	20	332936	23-Nov-94	23-Nov-07	Misty Mountain (100%)
GOLD 3	20	332937	22-Nov-94	22-Nov-07	Misty Mountain (100%)
GOLD 4	20	332938	22-Nov-94	22-Nov-07	Misty Mountain (100%)
GOLD 5	20	332939	26-Nov-94	26-Nov-07	Misty Mountain (100%)
GOLD 6	20	332940	26-Nov-94	26-Nov-07	Misty Mountain (100%)
GOLD 7	20	332941	26-Nov-94	26-Nov-07	Misty Mountain (100%)
GOLD 8	20	332942	26-Nov-94	26-Nov-07	Misty Mountain (100%)
GOLD 9	20	332943	28-Nov-94	28-Nov-07	Misty Mountain (100%)
GOLD 10	20	332944	28-Nov-94	28-Nov-07	Misty Mountain (100%)
GOLD 11	20	332945	28-Nov-94	28-Nov-07	Misty Mountain (100%)
GOLD 12	20	332946	28-Nov-94	28-Nov-07	Misty Mountain (100%)
GOLD 13	18	332947	30-Nov-94	30-Nov-05	Misty Mountain (100%)
GOLD 14	18	332948	30-Nov-94	30-Nov-05	Misty Mountain (100%)
GOLD 15	20	332949	27-Nov-94	27-Nov-07	Misty Mountain (100%)
GOLD 21	15	332955	30-Nov-94	30-Nov-07	Misty Mountain (100%)
GOLD 22	15	332956	30-Nov-94	30-Nov-06	Misty Mountain (100%)
GW #1	20	324028	07-Mar-94	07-Mar-07	Misty Mountain (100%)
GW #2	20	323715	15-Feb-94	15-Feb-07	Misty Mountain (100%)
GW #3	16	323716	18-Feb-94	18-Feb-07	Misty Mountain (100%)

APPENDIX 1 HARMONY GOLD PROJECT MINERAL CLAIM HOLDINGS
JANUARY 1998

NTS 103F8, 103F9, 103F15
Skeena Mining Division

Claim Name	Units	Tenure Number	Completion Date	Expiry Date	Ownership
GW #4	20	324029	05-Mar-94	05-Mar-07	Misty Mountain (100%)
GW #5	20	324030	10-Mar-94	10-Mar-07	Misty Mountain (100%)
GW #6	20	324492	25-Mar-94	25-Mar-07	Misty Mountain (100%)
GW #7	15	324493	26-Mar-94	26-Mar-07	Misty Mountain (100%)
GW 8	20	324494	26-Mar-94	26-Mar-07	Misty Mountain (100%)
GW 9	20	334640	31-Mar-95	31-Mar-07	Misty Mountain (100%)
GW #10	20	334641	31-Mar-95	31-Mar-07	Misty Mountain (100%)
GW #11	20	324497	28-Mar-94	28-Mar-07	Misty Mountain (100%)
GW 12	20	324498	29-Mar-94	29-Mar-07	Misty Mountain (100%)
GW 13	20	324499	03-Apr-94	03-Apr-07	Misty Mountain (100%)
HC 1	20	335718	29-Apr-95	29-Apr-07	Misty Mountain (100%)
HOODOO 1	1	333028	06-Dec-94	06-Dec-07	Misty Mountain (100%)
HOODOO 2	1	333029	06-Dec-94	06-Dec-07	Misty Mountain (100%)
HOODOO 3	1	333030	06-Dec-94	06-Dec-07	Misty Mountain (100%)
HOODOO 4	1	333031	06-Dec-94	06-Dec-07	Misty Mountain (100%)
HOODOO 5	1	333032	06-Dec-94	06-Dec-07	Misty Mountain (100%)
HOODOO 6	1	333033	06-Dec-94	06-Dec-07	Misty Mountain (100%)
HOODOO 7	1	333034	06-Dec-94	06-Dec-07	Misty Mountain (100%)
HOODOO 8	1	333035	06-Dec-94	06-Dec-07	Misty Mountain (100%)
HOODOO 9	1	333036	06-Dec-94	06-Dec-07	Misty Mountain (100%)
HOODOO 10	1	333037	06-Dec-94	06-Dec-07	Misty Mountain (100%)
MISTY 1	6	357218	25-Jun-97	25-Jun-08	Misty Mountain (100%)
MISTY 2	20	357219	29-Jun-97	29-Jun-08	Misty Mountain (100%)
MISTY 3	20	357220	29-Jun-97	29-Jun-07	Misty Mountain (100%)
MISTY 4	16	357221	29-Jun-97	29-Jun-07	Misty Mountain (100%)
MISTY 5	16	357222	29-Jun-97	29-Jun-08	Misty Mountain (100%)
MISTY 6	20	357223	29-Jun-97	29-Jun-07	Misty Mountain (100%)
NF #3	18	323709	17-Feb-94	17-Feb-07	Misty Mountain (100%)
NF #5	20	323711	20-Feb-94	20-Feb-07	Misty Mountain (100%)
NF #6	15	323712	18-Feb-94	18-Feb-07	Misty Mountain (100%)
NF #7	16	323713	20-Feb-94	20-Feb-07	Misty Mountain (100%)
NF #8	20	323714	20-Feb-94	20-Feb-07	Misty Mountain (100%)
V 0	18	324185	16-Mar-94	16-Mar-01	Misty Mountain (100%)
V 1	20	324019	09-Mar-94	09-Mar-07	Misty Mountain (100%)
V 2	20	324020	11-Mar-94	11-Mar-07	Misty Mountain (100%)
V 3	20	324186	18-Mar-94	18-Mar-01	Misty Mountain (100%)
V 4	20	324021	10-Mar-94	10-Mar-07	Misty Mountain (100%)
V 5	20	324022	10-Mar-94	10-Mar-07	Misty Mountain (100%)
V 6	20	324187	17-Mar-94	17-Mar-01	Misty Mountain (100%)
V 7	20	324188	19-Mar-94	19-Mar-07	Misty Mountain (100%)
V 8	20	324023	12-Mar-94	12-Mar-07	Misty Mountain (100%)
V 9	20	324189	17-Mar-94	17-Mar-01	Misty Mountain (100%)
V 10	20	324484	30-Mar-94	30-Mar-01	Misty Mountain (100%)
V 11	18	324485	01-Apr-94	01-Apr-01	Misty Mountain (100%)
V 12	9	324486	02-Apr-94	02-Apr-01	Misty Mountain (100%)
V 13	15	324487	03-Apr-94	03-Apr-02	Misty Mountain (100%)
V 14	20	324488	03-Apr-94	03-Apr-01	Misty Mountain (100%)
V 15	1	360740	27-Nov-97	27-Nov-98	Misty Mountain (100%)
QTZ 1	12	357224	01-Jul-97	01-Jul-01	Misty Mountain (100%)
QTZ 2	20	357225	01-Jul-97	01-Jul-01	Misty Mountain (100%)
TOTAL # CLAIMS:	**116**				
TOTAL # UNITS:	**1217**				

* Subject to option agreement with Dorcmin Resources Ltd.

APPENDIX II

ICP AND FIRE ASSAY ANALYTICAL PROCEDURES FOR SOIL GEOCHEMICAL SAMPLES

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

works\faaas.pag

Method of Gold & Silver analysis by Fire Assay / AAS

(a) 10.0 to 30.0 grams of sample was mixed with a combination of fluxes in a fusion pot. The sample was then fused at high temperature for one hour to form a lead "button".

(b) The precious metals are extracted by cupellation. The dore bead is then dissolved in boiling concentrated aqua regia solution heated by a hot water bath.

(c) The gold & silver in solution are determined with an Atomic Absorption Spectrometer. The value, in ppb or ppm or grams-per-tonne is calculated by comparison with a set of known standards.

QUALITY CONTROL

Every fusion of 24 pots contains 22 samples, one internal standard or blank, and a random reweigh of one of the samples. Samples with anomalous gold values greater than 1000 ppb are automatically checked by Fire Assay/AA methods. Samples with gold values greater than 10000 ppb are checked by Fire Assay/Gravimetric methods.

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Method of 30 element analysis by Aqua Regia digestion/ICP

(a) 0.50 grams of sample is digested with diluted Aqua Regia solution by heating in a hot water bath, at about 95 Celsius for 90 minutes, then cooled and bulked up to a fixed volume with de-mineralized water, and thoroughly mixed. digested samples are let settled over night to separate residue from solution.

(b) The specific elements are determined using an Inductively Coupled Argon Plasma spectrophotometer. All elements are corrected for inter-element interfernce. All data are subsequently stored onto computer diskette.

QUALITY CONTROL

The machine is first calibrated using three known standards and a blank. The test samples are then run in batches.

A sample batch consists of 38 or less samples. Two tubes are placed before a set. These are an Inhouse standard and an acid blank, which are both digested with the samples. A known standard with characteristics best matching the samples is chosen and placed after every fifteenth sample. After every 38th sample (not including standards), two samples, chosen at random, are re-weighed and analyzed. At the end of a batch, the standard and blank used at the beginning is rerun. The readings for these knowns are compared with the pre-rack knowns to detect any calibration drift.

APPENDIX III

ANALYTICAL RESULTS FOR SOIL GEOCHEMICAL SAMPLES

INTERNATIONAL PLASMA LABORATORY LTD

2036 Columbia et
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898
[120617:45:46:79121297]

CERTIFICAT~ OF ANALYSIS
iPL 97L1206

Misty Mountain Gold Ltd.
Project : Specogna = SANDSPIT GRID
Shipper : Ron Konst
Shipment: PO#:
Analysis:
Au(FA/AAS 20g) ICP(AqR)30

Comment:

206 Samples Out: Dec 12, 1997 In: Dec 08, 1997

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
8111	206	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0312	FA/AAS	ppb	Au FA/AAS finish 20g	Gold	5	9999
02	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
03	0711	ICP	ppm	Cu ICP	Copper	1	20000
04	0714	ICP	ppm	Pb ICP	Lead	2	20000
05	0730	ICP	ppm	Zn ICP	Zinc	1	20000
06	0703	ICP	ppm	As ICP	Arsenic	5	9999
07	0702	ICP	ppm	Sb ICP	Antimony	5	999
08	0732	ICP	ppm	Hg ICP	Mercury	3	9999
09	0717	ICP	ppm	Mo ICP	Molydenum	1	999
10	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
11	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
12	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
13	0710	ICP	ppm	Co ICP	Cobalt	1	9999
14	0718	ICP	ppm	Ni ICP	Nickel	1	9999
15	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
16	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
17	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
18	0729	ICP	ppm	V ICP	Vanadium	2	9999
19	0716	ICP	ppm	Mn ICP	Manganese	1	9999
20	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
21	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
22	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
23	0736	ICP	ppm	Sc ICP	Scandium	1	9999
24	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
25	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
26	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
27	0712	ICP	%	Fe ICP	Iron	0.01	9.99
28	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
29	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
30	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
31	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

Document Distribution

1 Misty Mountain Gold Ltd.
1020 - 800 West Pender Street
Vancouver
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Ph:604/684-6365
Fx:604/684-8092
Em:AllanE@hdgold.com

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* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

INTERNATIONAL PLASMA LABORATORY LTD

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Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICAT OF ANALYSIS
iPL 97L1206

Client : Misty Mountain Gold Ltd.
Project: Specogna = SANDSPIT GRID

206 Samples
206=Soil

[120610:00:44:79121297]

Out: Dec 12, 1997
In : Dec 08, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 4400N 3000E S	7	0.1	22	16	69	13	<	<	1	<	<	0.7	11	12	137	<	21	77	343	11	24	3	6	0.11	1.98	0.34	2.68	0.81	0.05	0.02	0.04
L 4400N 3025E S	<	0.1	10	10	53	10	<	<	1	<	<	0.4	9	8	82	<	15	46	286	9	17	1	4	0.10	1.82	0.24	1.88	0.67	0.04	0.02	0.02
L 4400N 3050E S	17	<	15	12	65	23	<	<	1	<	<	0.7	11	9	124	<	18	73	365	11	17	3	6	0.09	2.09	0.25	2.49	0.76	0.04	0.02	0.03
L 4400N 3075E S	12	0.1	18	16	86	24	<	<	1	<	<	0.7	12	14	96	<	19	77	315	10	13	1	5	0.09	2.72	0.16	2.66	0.84	0.05	0.01	0.07
L 4400N 3100E S	8	<	18	9	82	45	<	<	5	<	<	0.8	15	14	109	<	21	85	441	15	22	1	6	0.08	2.53	0.36	3.31	0.89	0.05	0.01	0.08
L 4400N 3125E S	<	<	11	16	52	22	<	<	1	<	<	0.6	8	10	59	<	16	61	277	9	13	1	4	0.09	2.37	0.19	1.98	0.69	0.04	0.01	0.04
L 4400N 3150E S	<	<	11	12	74	19	<	<	2	<	<	0.6	10	10	84	<	16	77	293	10	18	<	5	0.05	2.28	0.26	2.68	0.73	0.05	0.01	0.07
L 4400N 3175E S	<	<	17	13	66	23	<	<	2	<	<	0.5	10	11	58	<	18	65	321	9	17	1	4	0.06	2.32	0.19	2.11	0.69	0.04	0.01	0.08
L 4400N 3200E S	<	0.2	9	7	38	17	<	<	2	<	<	0.2	5	3	55	<	10	30	201	9	24	<	2	0.06	0.98	0.40	0.85	0.27	0.04	0.03	0.07
L 4400N 3225E S	6	0.1	23	13	85	37	<	<	4	<	<	0.5	12	14	101	<	19	78	312	11	19	1	5	0.04	2.99	0.26	3.04	0.85	0.06	0.01	0.09
L 4400N 3275E S	<	<	15	12	87	29	<	<	2	<	<	0.6	11	12	56	<	17	59	269	8	15	1	3	0.08	2.37	0.26	2.31	0.87	0.07	0.01	0.10
L 4400N 3300E S	<	0.1	13	10	77	27	<	<	2	<	<	0.5	9	10	73	<	14	61	332	8	16	<	3	0.06	2.38	0.22	2.48	0.73	0.05	0.01	0.07
L 4400N 3325E S	7	<	15	13	60	53	<	<	3	<	<	0.7	11	12	93	<	16	72	316	9	18	1	4	0.09	2.15	0.24	2.78	0.73	0.09	0.01	0.08
L 4400N 3350E S	<	<	8	13	42	54	<	<	3	<	<	0.5	5	7	52	<	15	68	225	8	15	<	1	0.03	2.21	0.18	1.91	0.42	0.04	0.01	0.06
L 4400N 3375E S	<	<	8	12	67	58	<	<	3	<	<	0.6	8	10	59	<	13	67	327	8	12	<	3	0.07	2.34	0.17	2.68	0.62	0.05	0.01	0.05
L 4400N 3425E S	<	0.1	5	15	31	64	<	<	3	<	<	0.4	4	6	49	<	12	73	147	8	13	<	1	0.03	1.89	0.15	1.73	0.33	0.04	0.02	0.05
L 4400N 3450E S	10	0.1	13	15	50	31	<	<	3	<	<	0.5	7	10	56	<	19	62	212	10	13	<	2	0.05	2.61	0.15	1.78	0.53	0.06	0.02	0.05
L 4400N 3475E S	19	0.1	7	12	36	70	<	<	2	<	<	0.6	4	7	33	<	15	77	149	9	11	<	1	0.03	1.76	0.13	2.34	0.40	0.06	0.01	0.04
L 4400N 3500E S	<	0.1	7	10	38	368	<	<	4	<	<	1.7	5	9	30	<	17	189	228	7	11	<	1	0.04	2.10	0.12	6.53	0.38	0.04	<	0.07
L 4400N 3525E S	<	<	1	6	24	46	<	<	4	<	<	1.8	2	5	20	<	8	115	123	6	8	<	1	0.03	1.32	0.07	7.07	0.23	0.02	<	0.03
L 4400N 3550E S	18	0.1	18	14	78	26	<	<	3	<	<	0.6	9	14	122	<	18	67	416	8	16	1	5	0.06	2.69	0.15	2.93	0.73	0.05	0.01	0.06
L 4400N 3575E S	9	0.1	3	8	13	30	<	<	1	<	<	<	1	2	36	<	9	30	70	7	12	<	<	0.01	1.24	0.12	0.52	0.09	0.03	0.03	0.04
L 4400N 3600E S	5	0.1	6	13	26	56	<	<	1	<	<	0.4	3	5	49	<	13	69	134	7	12	<	1	0.02	1.74	0.12	1.66	0.25	0.04	0.02	0.06
L 4400N 3625E S	6	0.1	1	7	11	23	<	<	1	<	<	0.1	1	2	34	<	6	34	60	7	9	<	1	0.01	1.31	0.08	0.54	0.09	0.02	0.02	0.03
L 4400N 3650E S	<	0.2	5	12	45	102	<	<	2	<	<	1.2	5	5	46	<	16	99	301	8	8	<	2	0.03	1.87	0.07	4.71	0.41	0.05	<	0.05
L 4400N 3675E S	<	0.1	4	11	47	92	<	<	3	<	<	1.6	7	10	39	<	15	105	551	5	7	<	2	0.03	2.45	0.06	6.48	0.38	0.03	<	0.05
L 4400N 3700E S	<	0.1	3	13	27	18	<	<	1	<	<	0.3	3	3	41	<	9	31	340	7	8	<	1	0.01	1.44	0.07	1.51	0.22	0.05	0.02	0.03
L 4400N 3725E S	<	0.1	7	17	47	104	<	<	3	<	<	0.6	6	8	51	<	19	59	253	9	8	<	1	0.02	2.40	0.07	2.59	0.37	0.06	0.01	0.06
L 4400N 3750E S	<	0.1	2	15	25	79	<	<	2	<	<	0.7	3	4	37	<	11	52	247	8	6	<	1	0.02	1.84	0.06	3.09	0.17	0.03	<	0.02
L 4400N 3775E S	<	0.4	5	15	40	178	<	<	3	<	<	1.5	5	8	34	<	19	97	261	5	4	1	3	0.02	2.66	0.03	5.64	0.38	0.03	<	0.04
L 4400N 3800E S	34	0.2	8	18	63	125	<	<	2	<	<	1.1	9	10	57	<	19	87	224	7	5	2	4	0.03	3.43	0.03	4.07	0.41	0.04	<	0.02
L 4400N 3825E S	5	0.1	4	16	26	65	<	<	1	<	<	0.5	3	3	33	<	9	52	91	8	6	1	2	0.01	1.86	0.05	1.82	0.19	0.04	0.01	0.02
L 4400N 3900E S	<	<	4	11	17	39	<	<	2	<	<	0.6	1	2	33	<	6	61	106	5	5	<	1	0.01	1.36	0.03	2.76	0.24	0.04	<	0.03
L 4400N 3925E S	<	0.6	30	23	87	41	<	<	2	<	<	1.4	8	21	54	<	31	84	366	6	5	4	5	0.03	5.45	0.06	5.41	0.57	0.04	<	0.04
L 4400N 3950E S	<	0.2	2	15	24	36	<	<	1	<	<	0.4	2	5	52	<	8	42	60	5	7	<	1	<	1.71	0.04	2.11	0.13	0.04	<	0.02
L 4400N 3975E S	<	<	10	15	54	47	<	<	2	<	<	1.2	5	7	37	<	20	60	243	6	6	1	2	0.05	3.17	0.06	4.65	0.32	0.04	<	0.04
L 4400N 4000E S	<	1.7	13	16	13	31	<	<	1	<	<	0.2	1	4	54	<	7	9	51	6	16	<	1	0.01	1.72	0.15	0.37	0.06	0.03	0.03	0.14
L 4400N 4025E S	<	0.2	15	17	70	37	<	<	2	<	<	0.6	8	14	67	<	23	85	250	10	14	1	4	0.08	3.79	0.11	2.76	0.55	0.06	0.01	0.06
L 4400N 4075E S	5	0.1	9	15	63	28	<	<	2	<	<	0.7	9	14	87	<	16	71	402	6	15	<	3	0.10	2.63	0.17	2.81	0.62	0.04	0.01	0.05
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICAT" OF ANALYSIS
iPL 97L1206

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Client : Misty Mountain Gold Ltd.
Project: Specogna

206 Samples
206=Soil

[120610:00:44:79121297]

Out: Dec 12, 1997
In : Dec 08, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 4400N 4100E S	<	0.3	77	15	63	44	<	<	3	<	<	1.2	10	12	53	<	20	89	355	11	7	4	6	0.09	4.14	0.05	4.33	0.39	0.03	<	0.03
L 4700N 3000E S	<	<	26	11	50	9	<	<	2	<	<	1.1	8	7	50	<	12	118	185	10	8	<	3	0.02	1.63	0.10	4.23	0.25	0.05	<	0.09
L 4700N 3025E S	5	0.2	11	7	45	<	<	<	2	<	<	2.2	9	6	32	<	11	151	394	7	8	<	3	0.06	2.16	0.08	8.44	0.61	0.03	<	0.04
L 4700N 3050E S	<	<	10	11	25	28	<	<	2	<	<	1.0	3	7	31	<	8	61	117	9	7	<	2	0.04	1.55	0.08	4.41	0.23	0.04	<	0.05
L 4700N 3075E S	<	0.1	20	13	83	44	<	<	3	<	<	0.7	10	11	90	<	14	74	384	11	13	<	4	0.06	2.34	0.16	3.00	0.60	0.06	0.01	0.07
L 4700N 3100E S	<	0.1	18	14	78	33	<	<	3	<	<	0.6	13	14	64	<	17	80	277	10	9	<	3	0.07	2.88	0.11	2.63	0.75	0.05	0.01	0.07
L 4700N 3125E S	<	<	16	16	63	28	<	<	2	<	<	0.3	10	12	60	<	16	60	186	9	10	<	3	0.07	2.42	0.09	1.74	0.55	0.05	0.01	0.06
L 4700N 3150E S	5	<	25	13	75	37	<	<	2	<	<	0.7	14	13	72	<	17	80	331	13	9	1	5	0.07	3.22	0.14	2.73	0.70	0.06	0.01	0.09
L 4700N 3175E S	10	<	19	15	54	25	<	<	2	<	<	0.4	9	11	61	<	16	68	267	11	10	1	4	0.07	2.65	0.14	2.07	0.62	0.06	0.01	0.08
L 4700N 3200E S	<	<	12	14	48	24	<	<	1	<	<	0.4	8	10	42	<	13	55	237	8	11	1	3	0.12	1.89	0.15	1.73	0.55	0.05	0.01	0.05
L 4700N 3225E S	<	0.2	7	13	28	36	<	<	3	<	<	1.4	4	5	25	<	12	109	180	8	3	1	3	0.05	3.47	0.03	5.53	0.22	0.02	<	0.02
L 4700N 3250E S	<	0.1	22	15	69	36	<	<	2	<	<	0.7	14	13	75	<	17	79	301	10	10	1	4	0.08	3.31	0.15	2.73	0.69	0.06	0.01	0.10
L 4700N 3275E S	<	<	12	15	47	41	<	<	2	<	<	0.4	7	9	54	<	13	85	195	12	11	<	2	0.07	3.05	0.12	2.17	0.47	0.06	0.01	0.06
L 4700N 3300E S	<	<	19	13	68	42	<	<	2	<	<	0.7	13	13	71	<	15	91	259	11	11	<	4	0.09	3.36	0.13	2.68	0.64	0.06	0.01	0.07
L 4700N 3325E S	<	0.1	20	13	70	44	<	<	2	<	<	0.8	13	11	75	<	15	80	300	12	12	1	5	0.10	3.21	0.17	2.91	0.70	0.06	0.01	0.08
L 4700N 3350E S	<	0.1	21	13	79	43	<	<	2	<	<	0.6	14	14	102	<	17	86	298	12	12	1	5	0.13	3.19	0.15	3.01	0.73	0.06	0.01	0.08
L 4700N 3375E S	<	<	13	14	48	32	<	<	1	<	<	0.5	8	10	65	<	14	76	213	10	10	<	3	0.06	2.85	0.13	2.15	0.55	0.06	0.01	0.06
L 4700N 3400E S	<	<	18	16	62	29	<	<	2	<	<	0.6	10	12	62	<	18	86	275	11	7	<	3	0.08	3.00	0.09	2.65	0.72	0.06	0.01	0.05
L 4700N 3475E S	<	<	17	17	90	38	<	<	2	<	<	0.6	13	15	65	<	19	75	267	11	11	1	4	0.07	3.29	0.20	2.65	0.74	0.07	0.01	0.10
L 4700N 3500E S	<	<	6	12	32	30	<	<	1	<	<	0.4	4	6	33	<	8	42	95	8	6	<	1	0.01	1.80	0.07	1.65	0.24	0.05	0.01	0.05
L 4700N 3525E S	8	0.2	13	13	69	86	<	<	4	<	<	1.1	11	13	83	<	18	96	277	10	14	<	3	0.08	3.05	0.10	4.42	0.68	0.06	<	0.06
L 4700N 3550E S	8	0.1	28	25	116	46	<	<	4	<	<	1.1	10	19	45	<	31	137	399	9	7	<	3	0.03	3.97	0.07	3.73	0.70	0.05	<	0.07
L 4700N 3575E S	12	0.2	14	20	76	104	<	<	3	<	<	1.2	11	17	61	<	18	101	271	8	8	<	3	0.04	3.11	0.08	4.81	0.53	0.07	<	0.06
L 4700N 3600E S	12	<	20	22	90	40	<	<	3	<	<	0.8	16	17	77	<	20	77	281	10	10	1	5	0.09	3.12	0.11	3.12	0.66	0.08	0.01	0.06
L 4700N 3625E S	6	<	10	12	44	31	<	<	2	<	<	1.3	6	8	30	<	14	118	173	8	6	1	3	0.06	2.39	0.06	4.84	0.42	0.06	<	0.03
L 4700N 3650E S	13	<	2	7	13	23	<	<	2	<	<	1.6	2	2	13	<	7	119	259	6	4	1	1	0.03	1.55	0.04	6.31	0.09	0.02	<	0.02
L 4700N 3675E S	<	<	3	3	12	15	<	<	2	<	<	0.7	<	2	15	<	2	55	56	4	3	<	<	0.01	0.85	0.03	3.53	0.03	0.05	<	0.01
L 4700N 3725E S	<	0.2	6	16	49	51	<	<	4	<	<	1.0	5	8	47	<	17	91	207	7	4	2	4	0.02	3.73	0.02	4.35	0.29	0.02	<	0.02
L 4700N 3750E S	6	<	22	14	79	43	<	<	2	<	<	0.5	11	16	82	<	18	67	256	11	14	2	6	0.06	3.33	0.11	2.64	0.57	0.06	0.01	0.05
L 4700N 3775E S	10	0.1	17	17	46	60	<	<	2	<	<	0.5	5	8	36	<	22	55	173	10	8	2	3	0.06	4.19	0.08	2.17	0.41	0.05	0.01	0.04
L 4700N 3800E S	<	0.2	13	17	39	34	<	<	2	<	<	0.5	6	7	60	<	15	66	132	9	8	1	2	0.02	2.90	0.07	1.44	0.30	0.05	0.01	0.05
L 4700N 3900E S	6	0.3	10	13	39	17	<	<	2	<	<	0.8	22	6	50	<	13	72	1422	8	8	<	2	0.01	1.88	0.09	3.32	0.30	0.06	<	0.03
L 4700N 3925E S	12	0.1	26	12	128	18	<	<	1	<	<	1.2	15	32	55	<	28	53	474	10	11	<	3	<	2.61	0.13	4.18	1.05	0.08	<	0.03
L 4700N 3950E S	48	0.1	21	16	98	89	<	<	1	<	<	0.9	11	26	89	<	19	62	400	8	11	<	4	0.01	2.73	0.12	3.74	0.83	0.07	<	0.05
L 4700N 3975E S	12	0.7	14	13	49	37	<	<	3	<	<	0.9	5	10	37	<	14	75	201	10	6	<	3	0.04	3.20	0.05	3.73	0.30	0.04	<	0.03
L 4700N 4025E S	51	1.6	20	15	55	63	<	<	3	<	<	1.2	6	12	35	<	20	84	242	7	7	3	4	0.04	4.91	0.04	4.73	0.27	0.04	<	0.05
L 4700N 4050E S	19	0.7	15	14	43	51	<	<	2	<	<	1.2	6	8	35	<	17	78	234	8	6	2	4	0.07	4.62	0.04	4.11	0.28	0.03	<	0.05
L 4700N 4075E S	148	1.3	13	12	32	85	<	<	2	<	<	1.2	4	7	34	<	16	83	273	8	5	1	3	0.06	4.44	0.04	4.29	0.21	0.03	<	0.06
L 4700N 4100E S	592	1.0	4	5	12	171	36	<	2	<	<	0.2	2	2	16	<	3	63	87	6	3	<	1	0.04	0.64	0.03	1.92	0.03	0.02	<	0.02
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICAT OF ANALYSIS
iPL 97L1206

Client : Misty Mountain Gold Ltd.
Project: Specogna

206 Samples
206=Soil

[120610:00:44:79121297]

Out: Dec 12, 1997
In : Dec 08, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 5000N 3000E S	<	0.1	14	13	23	30	<	<	2	<	<	0.2	4	6	37	<	15	81	113	9	9	<	2	0.05	2.04	0.08	1.52	0.29	0.03	0.01	0.04
L 5000N 3025E S	<	<	23	12	63	34	<	<	1	<	<	0.7	10	13	76	<	15	72	255	12	9	1	5	0.09	2.80	0.11	2.45	0.63	0.06	0.01	0.08
L 5000N 3050E S	<	<	17	12	61	32	<	<	2	<	<	1.0	10	9	56	<	15	68	316	11	7	2	5	0.08	2.65	0.08	3.59	0.58	0.06	<	0.07
L 5000N 3075E S	5	0.1	17	14	64	50	<	<	1	<	<	0.8	12	12	63	<	16	77	547	12	7	2	5	0.12	3.02	0.07	3.80	0.63	0.07	<	0.07
L 5000N 3100E S	<	0.2	21	14	68	39	<	<	2	<	<	1.1	11	13	84	<	16	88	453	9	6	1	5	0.13	2.84	0.07	4.51	0.59	0.06	<	0.07
L 5000N 3125E S	<	0.2	12	10	57	90	<	<	2	<	<	1.2	14	9	51	<	13	107	831	8	5	<	3	0.03	2.26	0.02	5.04	0.47	0.02	<	0.04
L 5000N 3150E S	<	0.1	8	12	40	58	<	<	2	<	<	1.1	5	7	38	<	10	108	167	9	5	<	3	0.05	3.03	0.05	4.46	0.34	0.05	<	0.04
L 5000N 3175E S	<	0.2	10	14	45	61	<	<	2	<	<	1.3	5	10	29	<	16	111	224	7	4	3	5	0.03	4.21	0.02	5.52	0.36	0.02	<	0.03
L 5000N 3200E S	40	0.2	21	11	75	45	<	<	2	<	<	0.6	12	12	103	<	16	84	252	12	9	1	5	0.08	3.20	0.07	3.24	0.67	0.05	<	0.07
L 5000N 3225E S	<	<	19	12	62	35	<	<	2	<	<	0.7	10	8	51	<	15	77	263	10	8	1	5	0.09	2.47	0.07	3.05	0.61	0.05	0.01	0.06
L 5000N 3250E S	<	<	14	13	63	31	<	<	2	<	<	0.8	10	10	124	<	15	80	264	10	13	1	5	0.10	2.93	0.11	3.21	0.70	0.07	<	0.07
L 5000N 3275E S	<	<	11	12	56	42	<	<	2	<	<	0.6	8	10	42	<	14	72	202	12	6	<	3	0.04	3.26	0.07	2.53	0.61	0.04	0.01	0.07
L 5000N 3300E S	<	0.1	12	14	47	32	<	<	2	<	<	0.4	7	9	80	<	15	60	190	10	9	<	2	0.05	2.90	0.09	1.66	0.55	0.04	0.02	0.07
L 5000N 3325E S	<	<	15	15	60	27	<	<	1	<	<	0.5	10	12	110	<	16	77	280	11	15	1	4	0.10	2.81	0.15	2.71	0.67	0.07	0.01	0.08
L 5000N 3350E S	<	<	19	14	62	33	<	<	2	<	<	0.5	10	11	75	<	16	70	228	10	8	1	4	0.08	2.70	0.09	2.35	0.59	0.07	0.01	0.06
L 5000N 3375E S	5	<	5	17	33	29	<	<	1	<	<	0.3	4	6	48	<	11	47	143	8	7	<	2	0.05	1.95	0.06	1.59	0.37	0.05	0.01	0.02
L 5000N 3400E S	<	<	6	14	24	25	<	<	1	<	<	0.4	5	6	40	<	9	63	134	9	8	<	2	0.06	1.95	0.07	2.03	0.31	0.05	0.01	0.02
L 5000N 3425E S	<	<	4	12	16	20	<	<	1	<	<	0.2	3	4	34	<	7	39	102	8	8	<	1	0.07	1.31	0.07	1.08	0.20	0.03	0.02	0.03
L 5000N 3450E S	<	<	3	6	6	14	<	<	<	<	<	<	2	1	17	<	2	29	44	7	4	<	1	0.04	0.80	0.03	0.75	0.07	0.03	0.02	0.02
L 5000N 3475E S	<	<	2	10	5	13	<	<	1	<	<	<	1	1	21	<	2	16	38	7	5	<	<	0.05	0.73	0.04	0.35	0.04	0.03	0.02	0.02
L 5000N 3525E S	16	<	5	15	15	27	<	<	1	<	<	0.1	2	4	25	<	6	18	33	8	4	<	<	0.05	0.93	0.04	0.31	0.06	0.06	0.02	0.01
L 5000N 3550E S	10	<	4	8	11	32	<	<	1	<	<	0.2	2	2	17	<	6	30	64	7	4	<	1	0.03	0.87	0.04	0.99	0.13	0.04	0.01	0.02
L 5000N 3600E S	87	<	21	16	79	73	5	<	2	<	<	0.6	7	13	78	<	17	55	229	9	8	<	3	0.04	2.18	0.07	2.65	0.57	0.08	<	0.05
L 5000N 3625E S	6	0.1	1	7	6	1109	<	<	3	<	<	1.2	1	2	15	<	3	84	102	4	2	<	<	0.01	0.81	0.02	5.41	0.02	0.08	<	0.03
L 5000N 3650E S	12	<	4	9	19	589	<	<	2	<	<	1.1	2	7	17	<	9	71	60	8	2	<	1	<	1.11	0.02	4.42	0.23	0.07	<	0.02
L 5000N 3675E S	66	0.4	11	19	70	108	<	<	2	<	<	1.6	7	9	39	<	24	92	337	6	4	2	3	0.01	3.18	0.02	6.07	0.43	0.05	<	0.03
L 5000N 3700E S	20	0.3	18	17	67	114	<	<	2	<	<	0.8	7	10	51	<	16	62	242	10	9	2	4	0.05	3.05	0.13	2.99	0.51	0.05	0.01	0.07
L 5000N 3725E S	<	0.3	12	14	41	58	<	<	3	<	<	1.2	4	7	33	<	17	80	153	8	4	4	4	0.04	4.49	0.03	4.40	0.17	0.03	<	0.04
L 5000N 3775E S	19	0.2	16	15	47	112	<	<	2	<	<	1.3	5	10	31	<	18	93	244	9	6	2	4	0.04	3.62	0.10	5.11	0.39	0.03	<	0.05
L 5000N 3800E S	6	<	22	18	70	35	<	<	2	<	<	0.9	10	11	76	<	16	56	464	8	7	1	4	0.06	2.43	0.09	3.21	0.46	0.05	<	0.05
L 5000N 3850E S	112	0.3	12	17	42	217	5	<	2	<	<	1.0	16	8	45	<	11	65	1350	7	5	<	2	0.01	1.59	0.05	4.33	0.36	0.10	<	0.06
L 5000N 3875E S	98	0.1	12	14	44	165	5	<	3	<	<	0.9	13	10	46	<	11	52	819	6	6	<	2	<	1.54	0.04	3.85	0.40	0.09	<	0.06
L 5000N 3900E S	15	0.3	15	12	53	42	<	<	2	<	<	0.7	7	11	57	<	13	64	363	8	9	<	3	0.05	2.25	0.12	3.13	0.44	0.04	<	0.06
L 5000N 3925E S	12	0.3	24	15	73	53	<	<	1	<	<	0.7	11	17	63	<	19	66	283	12	11	1	5	0.05	3.94	0.12	2.91	0.59	0.06	<	0.08
L 5000N 3950E S	12	0.3	17	14	50	58	<	<	2	<	<	1.2	7	11	51	<	22	81	218	8	6	5	7	0.06	4.86	0.05	4.35	0.32	0.04	<	0.03
L 5000N 3975E S	13	0.3	11	11	65	22	<	<	2	<	<	1.0	8	12	44	<	15	83	602	7	10	<	2	0.06	2.07	0.09	3.80	0.48	0.05	<	0.04
L 5000N 4000E S	5	0.2	10	12	44	19	<	<	3	<	<	1.1	7	8	48	<	13	99	217	8	20	1	3	0.07	2.56	0.15	4.23	0.37	0.04	<	0.03
L 5000N 4025E S	13	0.2	17	13	67	38	<	<	2	<	<	0.9	12	12	73	<	15	70	511	10	13	2	5	0.08	3.12	0.11	3.42	0.51	0.05	<	0.06
L 5000N 4050E S	6	0.3	18	10	63	34	<	<	2	<	<	0.8	10	13	66	<	14	75	526	10	10	1	4	0.08	2.57	0.08	3.52	0.53	0.05	<	0.05
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

CERTIFICAT OF ANALYSIS
iPL 97L1206

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Client : Misty Mountain Gold Ltd.
Project: Specogna

206 Samples
206=Soil

[120610:00:44:79121297]

Out: Dec 12. 1997
In : Dec 08. 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 5000N 4075E S	21	0.3	13	12	37	42	<	<	3	<	<	1.1	5	8	35	<	15	83	236	7	7	1	3	0.08	3.22	0.05	4.38	0.27	0.03	<	0.04
L 5000N 4100E S	83	0.9	13	13	25	161	<	<	3	<	<	1.2	3	5	41	<	14	95	193	7	8	1	3	0.07	3.44	0.07	4.77	0.11	0.03	<	0.05
L 5000N 4125E S	60	0.5	8	15	20	99	<	<	4	<	<	1.1	2	7	29	<	11	103	141	7	6	<	1	0.06	2.38	0.03	4.47	0.08	0.01	<	0.04
L 5000N 4150E S	47	0.5	14	16	41	70	<	<	2	<	<	1.1	6	8	49	<	15	82	326	8	10	1	3	0.08	3.68	0.06	3.87	0.28	0.03	<	0.06
L 5000N 4175E S	96	0.5	16	13	42	106	<	<	3	<	<	1.4	8	6	46	<	18	88	886	9	8	1	5	0.09	4.98	0.03	4.71	0.17	0.03	<	0.07
L 5000N 4200E S	12	0.5	13	15	39	42	<	<	2	<	<	1.1	9	6	36	<	15	98	810	9	9	<	3	0.10	3.76	0.04	4.32	0.16	0.04	<	0.04
L 5000N 4225E S	16	0.4	14	13	41	40	<	<	2	<	<	0.9	7	7	40	<	16	79	302	9	8	1	4	0.09	4.07	0.04	3.63	0.21	0.03	<	0.05
L 5000N 4250E S	23	0.6	14	12	38	40	<	<	2	<	<	1.2	6	8	38	<	16	79	461	10	8	1	3	0.09	3.83	0.04	4.62	0.21	0.03	<	0.04
L 5000N 4275E S	154	0.6	13	12	28	183	16	<	3	<	<	1.6	4	4	37	<	17	88	396	9	7	1	4	0.09	3.47	0.05	5.42	0.15	0.03	<	0.06
L 5000N 4300E S	138	0.9	16	11	29	194	9	<	3	<	<	1.5	4	7	46	<	16	81	300	9	7	1	3	0.09	3.67	0.05	5.48	0.14	0.03	<	0.06
L 5000N 4325E S	87	0.4	12	10	31	179	12	<	3	<	<	1.1	5	7	71	<	15	58	180	8	9	1	3	0.08	2.97	0.03	4.54	0.30	0.04	<	0.06
L 5000N 4350E S	55	0.6	6	11	17	311	18	<	3	<	<	1.7	2	4	42	<	9	106	115	9	7	<	2	0.04	2.23	0.06	6.04	0.08	0.05	<	0.05
L 5000N 4375E S	50	0.2	10	9	42	106	8	<	2	<	<	0.8	5	7	51	<	12	67	199	7	8	1	2	0.08	2.07	0.06	2.96	0.36	0.05	<	0.03
L 5000N 4400E S	53	0.3	17	12	53	56	6	<	2	<	<	0.8	7	11	49	<	15	78	220	9	6	<	3	0.06	3.23	0.04	3.15	0.44	0.04	<	0.04
L 5000N 4425E S	45	0.4	18	16	66	108	6	<	3	<	<	1.1	8	15	72	<	17	78	322	11	9	2	5	0.06	4.56	0.07	3.93	0.56	0.08	<	0.10
L 5000N 4450E S	30	0.3	19	13	64	51	<	<	2	<	<	0.6	10	16	78	<	16	65	303	11	13	1	5	0.09	3.02	0.09	2.75	0.56	0.08	0.01	0.07
L 5000N 4475E S	24	0.3	16	9	68	50	<	<	2	<	<	0.7	10	14	96	<	15	69	314	9	18	1	4	0.08	2.83	0.11	3.08	0.56	0.06	<	0.05
L 5000N 4500E S	23	0.2	18	13	71	53	<	<	3	<	<	0.8	9	16	208	<	15	69	311	8	59	1	4	0.07	3.14	0.14	3.33	0.58	0.07	<	0.07
L 5000N 4525E S	30	0.3	5	8	15	42	<	<	1	<	<	0.2	2	4	48	<	7	44	71	9	8	<	1	0.03	1.44	0.06	1.09	0.13	0.06	0.01	0.02
L 5000N 4550E S	6	0.1	2	11	5	19	<	<	1	<	<	0.1	1	<	23	<	2	25	30	7	6	<	<	0.04	0.76	0.03	0.36	0.04	0.04	0.02	0.01
L 5000N 4575E S	19	0.3	15	15	59	38	<	<	2	<	<	0.6	8	12	68	<	16	74	269	9	15	1	3	0.06	2.85	0.11	2.51	0.54	0.07	0.01	0.04
L 5000N 4600E S	25	0.3	18	16	47	48	<	<	2	<	<	0.5	6	12	72	<	19	73	201	9	14	<	2	0.05	3.70	0.10	1.93	0.53	0.05	0.01	0.04
L 5000N 4625E S	18	0.4	16	12	70	57	<	<	2	<	<	0.6	10	15	97	<	16	68	296	10	21	1	4	0.06	3.39	0.14	2.76	0.57	0.06	0.01	0.06
L 5000N 4650E S	16	0.3	21	14	72	34	6	<	3	<	<	0.8	10	11	158	<	17	72	269	12	28	2	6	0.06	2.53	0.24	2.48	0.64	0.07	0.01	0.03
L 5000N 4675E S	19	0.4	13	14	46	122	7	<	2	<	<	1.2	5	12	51	<	23	87	172	7	6	8	5	0.05	5.28	0.03	4.86	0.28	0.02	<	0.02
L 5000N 4700E S	16	0.4	13	12	53	94	5	<	2	<	<	1.0	6	12	102	<	20	74	232	15	14	1	5	0.06	4.50	0.05	4.21	0.41	0.04	<	0.04
L 5300N 3000E S	<	0.3	17	20	65	48	<	<	2	<	<	0.6	7	9	36	<	19	92	161	9	6	1	4	0.06	3.80	0.05	2.41	0.48	0.05	<	0.04
L 5300N 3025E S	<	0.2	16	14	71	35	<	<	1	<	<	0.7	8	8	52	<	12	68	219	12	6	1	4	0.05	2.88	0.07	2.95	0.48	0.06	<	0.07
L 5300N 3050E S	<	0.2	10	15	64	20	<	<	3	<	<	0.6	5	5	65	<	8	61	286	15	13	1	3	0.04	2.10	0.11	2.10	0.26	0.07	0.01	0.04
L 5300N 3150E S	<	0.3	10	17	69	30	<	<	1	<	<	0.6	7	10	81	<	15	69	192	9	9	1	3	0.03	3.00	0.07	1.77	0.60	0.06	0.01	0.04
L 5300N 3175E S	<	0.1	1	7	10	14	<	<	<	<	<	0.2	1	1	14	<	1	16	32	8	5	<	<	0.02	0.80	0.04	0.15	0.03	0.02	0.02	0.01
L 5300N 3200E S	<	0.3	23	10	78	28	<	<	1	<	<	0.8	9	8	193	<	12	73	228	19	21	13	8	0.12	2.50	0.17	3.03	0.41	0.06	0.01	0.06
L 5300N 3225E S	10	0.2	15	15	66	27	<	<	<	<	<	0.4	7	10	74	<	15	59	176	8	7	1	3	0.07	2.47	0.07	1.80	0.46	0.07	0.01	0.05
L 5300N 3250E S	<	0.4	16	15	66	41	<	<	1	<	<	0.6	7	11	76	<	18	78	178	9	11	<	2	0.02	2.99	0.08	2.17	0.54	0.07	0.01	0.06
L 5300N 3275E S	<	0.3	11	10	72	13	<	<	1	<	<	0.5	7	9	88	<	13	50	193	9	12	<	3	0.06	1.72	0.12	1.85	0.42	0.06	0.01	0.04
L 5300N 3300E S	33	0.2	17	16	68	28	<	<	2	<	<	0.4	11	16	59	<	19	66	250	10	7	<	2	0.01	2.81	0.09	2.18	0.60	0.07	0.01	0.06
L 5300N 3325E S	<	0.2	2	8	7	12	<	<	1	<	<	<	1	<	36	<	1	29	37	6	4	<	1	0.01	0.90	0.03	0.76	0.05	0.06	0.02	0.01
L 5300N 3350E S	<	0.3	10	11	36	24	<	<	1	<	<	0.3	5	7	72	<	11	49	121	9	5	1	2	0.05	2.20	0.05	1.13	0.37	0.04	0.01	0.03
L 5300N 3375E S	<	0.4	7	14	25	30	<	<	1	<	<	0.2	3	7	61	<	9	35	77	8	7	<	1	0.01	2.36	0.04	0.72	0.25	0.04	0.02	0.05
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

CERTIFICAT OF ANALYSIS
iPL 97L1206

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Client : Misty Mountain Gold Ltd.
Project: Specogna

206 Samples
206=Soil

[120610:00:44:79121297]

Out: Dec 12, 1997
In : Dec 08, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 5300N 3400E S	<	0.3	14	17	91	20	<	<	2	<	<	0.7	8	10	55	<	14	82	237	9	8	1	5	0.03	2.15	0.12	2.88	0.47	0.09	<	0.15
L 5300N 3425E S	<	<	3	7	6	11	<	<	3	<	<	<	<	1	24	<	1	17	22	13	3	<	<	0.01	0.75	0.02	0.26	0.05	0.07	0.02	0.02
L 5300N 3450E S	<	0.1	1	4	3	5	<	<	2	<	<	0.2	<	<	15	<	<	8	17	3	1	<	<	<	0.41	0.01	0.65	0.01	0.09	0.01	0.02
L 5300N 3550E S	9	0.1	6	9	25	30	<	<	1	<	<	<	2	3	65	<	6	34	248	10	19	<	1	0.01	1.86	0.20	0.86	0.20	0.04	0.02	0.02
L 5300N 3575E S	97	0.1	16	15	69	29	<	<	<	<	<	0.5	6	16	73	<	21	67	254	11	12	<	4	0.01	2.62	0.16	2.36	0.72	0.10	<	0.05
L 5300N 3600E S	11	0.3	13	17	77	31	<	<	2	<	<	0.5	6	15	44	<	23	55	184	10	6	1	3	0.02	2.68	0.08	1.86	0.63	0.07	0.01	0.07
L 5300N 3625E S	6	0.1	3	13	15	19	<	<	5	<	<	<	1	1	38	<	2	16	54	3	4	<	1	<	0.85	0.03	0.70	0.06	0.11	0.01	0.03
L 5300N 3650E S	180	0.2	2	17	15	21	<	<	3	<	<	0.4	1	2	34	<	4	44	53	3	3	<	1	0.01	0.88	0.02	2.06	0.09	0.07	<	0.02
L 5300N 3675E S	24	0.4	39	24	182	74	<	<	6	<	<	1.4	12	14	53	<	16	81	337	14	9	3	8	0.01	2.99	0.13	4.96	0.32	0.05	<	0.10
L 5300N 3700E S	<	0.3	6	7	23	77	<	<	1	<	<	0.2	1	1	42	<	5	22	84	9	6	<	1	<	1.29	0.10	1.21	0.11	0.05	0.01	0.03
L 5300N 3725E S	14	0.1	4	16	26	40	<	<	3	<	<	0.2	1	2	33	<	4	32	90	4	3	<	1	0.01	0.95	0.03	1.68	0.18	0.11	0.01	0.03
L 5300N 3750E S	10	0.2	18	19	61	81	<	<	8	<	<	3.1	8	3	78	<	11	101	502	4	6	1	1	0.01	1.76	0.04	10%	0.32	0.09	<	0.05
L 5300N 3775E S	6	0.3	24	19	65	56	5	<	1	<	<	1.3	4	6	37	<	19	75	391	6	3	2	4	<	4.44	0.02	5.02	0.39	0.06	<	0.03
L 5300N 3800E S	23	0.4	10	18	36	66	<	<	5	<	2	1.1	26	6	38	<	12	79	2253	5	2	1	2	<	3.18	0.01	4.63	0.15	0.05	<	0.03
L 5300N 3825E S	23	0.3	7	16	54	50	<	<	4	<	<	1.4	7	10	47	<	15	125	372	5	7	<	3	0.01	2.72	0.07	5.62	0.45	0.07	<	0.04
L 5300N 3850E S	56	0.5	11	16	56	78	<	<	2	<	<	1.2	5	9	62	<	22	83	223	11	6	7	7	0.04	4.62	0.04	4.62	0.33	0.05	<	0.02
L 5300N 3875E S	20	0.4	11	14	52	53	<	<	3	<	<	1.2	4	7	51	<	18	98	185	8	4	5	5	0.05	3.96	0.03	4.32	0.21	0.03	<	0.02
L 5300N 3900E S	22	0.4	7	17	47	44	<	<	1	<	<	0.6	4	7	37	<	13	60	140	8	5	<	2	0.03	2.67	0.04	2.45	0.31	0.05	<	0.03
L 5300N 3925E S	29	0.3	14	19	58	39	<	<	1	<	<	0.3	4	9	45	<	15	52	179	8	9	1	2	0.01	2.88	0.08	1.57	0.45	0.09	0.01	0.09
L 5300N 3950E S	8	0.2	2	11	12	21	<	<	<	<	<	0.2	<	1	24	<	4	24	38	6	4	<	1	0.01	1.12	0.03	0.47	0.06	0.04	0.01	0.01
L 5300N 3975E S	15	0.4	18	18	97	44	<	<	3	<	<	0.5	10	15	63	<	20	62	174	10	12	1	4	0.05	3.65	0.06	2.13	0.47	0.06	0.01	0.06
L 5300N 4000E S	46	0.4	20	21	147	77	<	<	4	<	<	0.6	15	19	64	<	22	66	152	10	6	3	4	0.02	5.14	0.04	2.12	0.37	0.06	0.01	0.10
L 5300N 4025E S	8	0.2	9	14	56	21	<	<	2	<	<	0.5	6	10	83	<	12	50	189	8	13	<	3	0.05	2.20	0.13	2.16	0.40	0.04	0.01	0.04
L 5300N 4050E S	11	0.2	9	11	39	39	<	<	3	<	<	2.2	27	<	237	<	13	78	2691	10	42	2	3	0.01	3.44	0.04	7.67	0.13	0.02	<	0.04
L 5300N 4075E S	10	0.3	17	12	75	34	<	<	3	<	<	1.1	13	13	95	<	15	94	366	11	9	1	5	0.10	2.99	0.09	4.16	0.47	0.06	<	0.04
L 5300N 4100E S	11	0.3	15	14	62	51	<	<	3	<	<	1.3	9	12	61	<	17	95	269	10	7	2	6	0.08	3.99	0.04	4.54	0.30	0.04	<	0.04
L 5300N 4125E S	98	0.3	11	16	54	200	<	<	2	<	<	1.0	10	9	43	<	13	68	803	9	5	1	3	0.01	2.22	0.03	4.42	0.40	0.06	<	0.05
L 5300N 4150E S	6	0.3	15	14	67	53	<	<	3	<	<	1.4	7	10	72	<	18	89	308	9	5	3	5	0.04	4.29	0.03	4.88	0.35	0.04	<	0.04
L 5300N 4175E S	19	0.3	15	13	53	65	8	<	2	<	<	1.3	5	6	33	<	18	85	190	10	4	2	4	0.06	4.54	0.04	5.12	0.28	0.03	<	0.04
L 5300N 4200E S	25	0.1	14	10	56	27	<	<	2	<	<	1.0	6	10	63	<	15	75	305	9	10	<	3	0.06	1.92	0.08	3.81	0.45	0.07	<	0.05
L 5300N 4225E S	23	0.1	20	15	86	50	<	<	2	<	<	0.9	16	16	81	<	18	71	568	10	9	1	4	0.08	3.27	0.06	3.49	0.63	0.07	<	0.05
L 5300N 4250E S	18	0.4	15	13	65	47	<	<	3	<	<	1.2	5	10	60	<	20	91	234	8	9	4	4	0.06	4.39	0.06	4.29	0.28	0.03	<	0.05
L 5300N 4275E S	7	0.1	12	12	49	22	<	<	2	<	<	1.2	5	7	38	<	16	105	232	6	8	2	2	0.08	2.45	0.05	4.69	0.22	0.04	<	0.02
L 5300N 4300E S	35	0.2	19	12	69	42	<	<	2	<	<	1.0	14	14	94	<	16	70	482	9	10	1	4	0.07	2.86	0.09	3.74	0.55	0.06	<	0.04
L 5300N 4325E S	24	0.2	17	17	65	57	<	<	1	<	<	1.1	8	12	56	<	18	73	198	11	7	4	5	0.06	5.12	0.03	3.84	0.27	0.04	<	0.03
L 5300N 4350E S	45	0.1	6	8	35	144	<	<	1	<	<	0.9	4	3	35	<	8	59	248	6	7	<	1	0.01	1.18	0.02	3.22	0.18	0.11	<	0.14
L 5300N 4375E S	78	0.3	8	12	44	206	<	<	2	<	<	1.0	9	6	53	<	12	67	833	9	4	<	3	0.01	2.26	0.01	4.20	0.37	0.05	<	0.04
L 5300N 4400E S	27	0.2	26	11	82	55	<	<	1	<	<	1.2	16	14	122	<	15	76	755	12	20	1	5	0.07	2.29	0.11	3.94	0.53	0.08	<	0.07
L 5300N 4425E S	25	0.1	17	12	66	37	<	<	2	<	<	0.7	10	11	77	<	14	65	334	9	14	1	4	0.07	2.29	0.10	2.72	0.46	0.05	0.01	0.07
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICAT OF ANALYSIS
iPL 97L1206

Client : Misty Mountain Gold Ltd.
Project: Specogna

206 Samples
206=Soil

[120610:00:44:79121297]

Out: Dec 12, 1997
In : Dec 08, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 5300N 4450E S	13	<	4	9	16	17	<	<	1	<	<	0.1	2	2	31	<	5	29	48	6	7	<	1	0.05	0.96	0.02	0.63	0.05	0.04	0.02	0.01
L 5300N 4475E S	66	0.1	15	14	76	83	5	<	2	<	<	0.9	8	12	61	<	18	66	305	8	9	4	7	0.08	5.20	0.04	3.40	0.45	0.04	<	0.06
L 5300N 4500E S	74	0.3	14	13	56	102	<	<	2	<	<	1.2	6	9	47	<	20	70	194	6	6	7	6	0.08	5.80	0.03	4.39	0.31	0.03	<	0.04
L 5300N 4525E S	40	0.3	15	13	61	71	<	<	2	<	<	1.0	8	11	32	<	20	85	235	6	5	3	8	0.10	4.66	0.03	4.12	0.34	0.04	<	0.03
L 5300N 4550E S	14	0.2	11	9	50	41	<	<	1	<	<	1.0	5	7	32	<	12	100	206	8	5	1	4	0.10	2.50	0.04	4.21	0.25	0.03	<	0.03
L 5300N 4575E S	<	0.4	21	11	92	28	<	<	3	<	<	1.1	6	13	74	<	17	79	287	4	9	2	5	0.02	3.48	0.04	3.55	0.30	0.04	<	0.04
L 5300N 4600E S	10	0.3	7	13	28	24	<	<	2	<	<	0.4	3	4	43	<	8	78	90	6	7	<	1	0.08	1.38	0.03	1.75	0.12	0.04	0.01	0.01
L 5300N 4625E S	12	0.3	11	13	48	28	<	<	2	<	<	1.0	4	7	46	<	15	91	161	5	6	2	3	0.04	3.08	0.03	4.21	0.23	0.03	<	0.02
L 5300N 4650E S	20	<	4	8	20	13	<	<	1	<	<	0.2	3	3	36	<	6	71	75	6	8	<	1	0.07	1.09	0.02	1.70	0.11	0.03	<	0.01
L 5300N 4675E S	46	0.2	6	8	38	25	<	<	2	<	<	0.5	4	4	37	<	7	69	169	8	8	<	2	0.07	1.49	0.05	1.96	0.21	0.04	<	0.02
L 5300N 4700E S	12	<	2	5	26	10	<	<	1	<	<	0.1	3	2	45	<	4	28	116	6	17	<	1	0.02	0.95	0.06	0.85	0.12	0.05	0.02	0.01
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

——No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICATE OF ANALYSIS
iPL 97J1038

Misty Mountain Gold Ltd.
Project : Canyon Grid = AMETHYST GRID
Shipper : Ron Konst
Shipment: PO#:
Analysis:
Au(FA/AAS 20g) ICP(AqR)30

Comment:

186 Samples Out: Oct 17, 1997 In: Oct 15, 1997 [103816:37:41:79102197]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B111	186	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0312	FA/AAS	ppb	Au FA/AAS finish 20g	Gold	5	10000
02	0721	ICP	ppm	Ag ICP	Silver	0.1	100.0
03	0711	ICP	ppm	Cu ICP	Copper	1	20000
04	0714	ICP	ppm	Pb ICP	Lead	2	20000
05	0730	ICP	ppm	Zn ICP	Zinc	1	20000
06	0703	ICP	ppm	As ICP	Arsenic	5	10000
07	0702	ICP	ppm	Sb ICP	Antimony	5	1000
08	0732	ICP	ppm	Hg ICP	Mercury	3	10000
09	0717	ICP	ppm	Mo ICP	Molybdenum	1	1000
10	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	1000
11	0705	ICP	ppm	Bi ICP	Bismuth	2	10000
12	0707	ICP	ppm	Cd ICP	Cadmium	0.1	100.0
13	0710	ICP	ppm	Co ICP	Cobalt	1	10000
14	0718	ICP	ppm	Ni ICP	Nickel	1	10000
15	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	10000
16	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	1000
17	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	10000
18	0729	ICP	ppm	V ICP	Vanadium	2	10000
19	0716	ICP	ppm	Mn ICP	Manganese	1	10000
20	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	10000
21	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	10000
22	0731	ICP	ppm	Zr ICP	Zirconium	1	10000
23	0736	ICP	ppm	Sc ICP	Scandium	1	10000
24	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
25	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	10.00
26	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	10.00
27	0712	ICP	%	Fe ICP	Iron	0.01	10.00
28	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	10.00
29	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	10.00
30	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
31	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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B.C. V6C 2V6					
Canada					
Att: Ron Konst	Ph:604/684-6365				
	Fx:604/684-8092				
	Em:tomk@hdgold.com				

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BC Certified Assayer: David Chiu

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CERTIFICATE C ANALYSIS
iPL 97J1038

Client : Misty Mountain Gold Ltd.
Project: Canyon Grid = AMETHYST GRID

186 Samples
186=Soil

[103814:55:07:79102197]

Out: Oct 17, 1997
In : Oct 15, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 9800N 6000E S	<	<	15	12	41	38	<	<	1	<	<	0.6	9	12	117	<	16	79	287	4	117	1	4	0.08	2.63	0.51	2.04	0.69	0.04	0.06	0.03
L 9800N 6050E S	<	<	65	14	82	34	<	<	1	<	<	0.4	19	18	96	<	24	120	728	8	213	7	11	0.13	3.01	1.17	3.40	1.05	0.06	0.10	0.06
L 9800N 6075E S	<	0.1	48	14	72	40	<	<	1	<	<	0.9	13	21	152	<	24	89	315	8	236	4	9	0.12	3.62	0.88	2.66	0.95	0.06	0.08	0.05
L 9800N 6100E S	<	<	47	14	57	66	<	<	2	<	<	0.2	20	25	87	<	23	110	994	10	167	2	9	0.10	5.20	0.57	3.19	0.96	0.05	0.06	0.05
L 9800N 6125E S	<	0.2	35	8	49	<	<	<	3	<	<	<	9	7	73	<	18	206	213	2	26	5	4	0.24	1.56	0.05	4.29	0.15	0.01	0.03	0.01
L 9800N 6150E S	<	0.1	42	11	80	55	<	<	1	<	<	0.1	20	20	136	<	23	133	668	5	110	5	9	0.17	4.69	0.48	3.75	1.22	0.07	0.05	0.04
L 9800N 6175E S	<	<	30	10	72	24	<	<	2	<	<	<	18	16	84	<	23	154	719	3	88	3	6	0.23	3.10	0.32	4.49	1.21	0.04	0.04	0.02
L 9800N 6200E S	<	<	39	10	65	41	<	<	2	<	<	<	19	14	73	<	21	183	1031	3	80	7	12	0.25	4.19	0.83	4.38	1.53	0.07	0.06	0.02
L 9800N 6225E S	6	<	35	15	62	78	<	<	1	<	<	0.8	16	18	104	<	25	132	346	5	78	13	10	0.19	6.93	0.42	2.62	1.01	0.04	0.04	0.03
L 9800N 6250E S	<	<	28	12	71	50	<	<	2	<	<	0.2	18	21	167	<	30	136	503	5	240	6	12	0.17	4.37	1.14	3.25	1.44	0.03	0.12	0.03
L 9800N 6275E S	<	<	18	10	64	50	<	<	1	<	<	0.6	15	15	210	<	23	111	392	4	196	5	9	0.17	4.30	0.91	2.47	1.17	0.04	0.09	0.03
L 9800N 6300E S	<	<	24	8	71	47	<	<	2	<	<	0.7	16	18	140	<	26	122	436	5	172	4	9	0.17	3.98	1.03	2.85	1.27	0.03	0.10	0.04
L 9800N 6325E S	<	<	24	11	61	36	<	<	1	<	<	0.8	14	16	118	<	24	107	381	6	154	4	8	0.15	3.79	0.97	2.70	1.06	0.04	0.08	0.04
L 9800N 6350E S	<	0.1	33	12	70	46	<	<	1	<	<	0.2	19	17	118	<	24	146	547	7	146	6	10	0.18	3.89	0.80	3.09	1.12	0.07	0.07	0.05
L 9800N 6375E S	<	<	26	11	70	42	<	<	1	<	<	0.2	26	16	111	<	24	142	457	4	93	4	8	0.18	3.70	0.47	3.95	0.94	0.04	0.06	0.04
L 9800N 6400E S	5	<	31	12	57	57	<	<	2	<	<	0.3	18	18	126	<	23	118	440	6	126	7	9	0.16	4.37	0.48	3.20	0.81	0.05	0.06	0.04
L 9800N 6425E S	<	<	24	13	67	66	<	<	2	<	<	0.7	19	19	190	<	24	107	393	6	166	4	8	0.15	4.78	0.67	2.58	1.08	0.04	0.08	0.05
L 9800N 6450E S	<	<	26	11	54	60	<	<	3	<	<	0.2	21	16	133	<	19	129	1641	7	126	7	9	0.15	4.53	0.56	3.36	0.90	0.05	0.08	0.02
L 9800N 6475E S	<	<	23	16	61	17	<	<	1	<	<	<	13	11	56	<	26	107	723	4	17	5	6	0.18	2.40	0.33	3.79	1.50	0.05	0.04	0.01
L 9800N 6500E S	<	<	26	9	50	36	<	<	2	<	<	0.2	14	21	90	<	28	110	380	8	74	5	8	0.15	3.09	0.25	3.30	0.85	0.04	0.05	0.04
L 9800N 6525E S	5	<	34	12	79	57	<	<	4	<	<	0.3	17	25	149	<	33	135	580	7	150	7	12	0.17	3.60	0.93	3.28	1.21	0.02	0.09	0.04
L 9800N 6550E S	<	<	27	12	79	42	<	<	3	<	<	0.2	21	21	188	<	25	123	427	5	194	6	8	0.16	4.15	0.58	3.07	1.15	0.05	0.07	0.05
L 9800N 6575E S	<	<	23	9	75	69	<	<	2	<	<	0.2	20	23	217	<	26	133	402	4	145	5	7	0.12	5.57	0.45	3.67	1.10	0.03	0.06	0.04
L 9800N 6600E S	<	0.1	34	10	77	79	<	<	1	<	<	0.2	25	25	201	<	25	126	427	5	137	7	9	0.15	6.04	0.50	3.15	1.08	0.05	0.06	0.05
L 9800N 6625E S	<	<	33	10	78	76	<	<	1	<	<	0.1	16	22	213	<	24	120	405	5	128	8	8	0.16	5.70	0.45	3.08	0.90	0.04	0.06	0.05
L 9800N 6650E S	<	<	24	11	60	68	<	<	1	<	<	0.2	14	21	220	<	29	115	500	6	96	8	8	0.15	5.21	0.22	3.32	0.76	0.04	0.04	0.04
L 9800N 6675E S	<	<	4	8	10	8	<	<	1	<	<	0.1	6	4	163	<	9	46	368	2	57	1	1	0.11	0.70	0.09	0.69	0.10	0.02	0.03	0.01
L 9800N 6700E S	<	0.2	18	13	40	40	<	<	2	<	<	3.6	8	11	96	<	28	186	190	2	22	9	5	0.19	4.70	0.04	5.99	0.26	0.02	0.02	0.02
L 9800N 6725E S	<	0.1	32	11	70	62	<	<	1	<	<	<	20	19	168	<	25	122	532	4	86	9	8	0.15	5.28	0.38	4.12	0.95	0.05	0.06	0.03
L 9800N 6750E S	<	<	35	12	70	65	<	<	2	<	<	0.1	25	23	255	<	27	143	842	3	136	8	9	0.15	5.30	0.54	4.52	1.25	0.05	0.06	0.03
L 9800N 6775E S	<	<	32	12	77	54	<	<	2	<	<	0.4	20	21	159	<	25	132	630	4	110	6	9	0.15	4.62	0.48	3.62	1.09	0.05	0.06	0.05
L 9800N 6800E S	<	<	25	10	63	41	<	<	2	<	<	0.3	19	16	153	<	23	131	847	4	124	6	8	0.14	3.82	0.55	3.92	0.89	0.07	0.06	0.04
L 9800N 6825E S	<	<	41	8	73	35	<	<	2	<	<	0.4	20	26	145	<	25	120	1036	8	262	11	12	0.12	3.47	1.31	3.84	1.30	0.07	0.13	0.06
L 9800N 6850E S	<	0.1	20	14	76	68	<	<	1	<	<	0.7	14	16	211	<	21	88	231	7	73	6	8	0.15	4.83	0.20	2.39	0.57	0.02	0.05	0.03
L 9800N 6875E S	<	0.2	19	12	54	28	<	<	2	<	<	0.1	11	11	167	<	17	102	660	4	73	2	5	0.12	2.47	0.21	3.28	0.74	0.06	0.04	0.02
L 9800N 6900E S	<	0.1	12	10	78	28	<	<	3	<	<	<	16	10	135	<	19	128	4315	2	46	2	4	0.14	2.46	0.25	3.67	0.81	0.03	0.03	0.01
L 9800N 6925E S	9	0.2	13	12	41	8	<	<	2	<	<	<	19	7	109	<	17	164	1644	<	29	4	4	0.18	1.42	0.08	3.90	0.57	0.03	0.03	0.01
L 9800N 6975E S	<	0.1	10	10	39	<	<	<	1	<	<	<	18	6	93	<	11	145	780	2	13	5	4	0.18	1.76	0.05	5.23	0.73	0.05	0.03	0.01
L 9800N 7025E S	<	0.1	40	4	52	<	<	<	2	<	<	<	19	5	45	<	19	325	880	<	5	9	6	0.25	2.11	0.03	6.63	0.34	0.02	0.02	0.02
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICATE C ANALYSIS
iPL 97J1038

Client : Misty Mountain Gold Ltd.
Project: Canyon Grid

186 Samples
186=Soil

[103814:55:07:79102197]

Out: Oct 17, 1997
In : Oct 15, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 9800N 7075E S	<	0.2	17	13	44	19	<	<	3	<	<	<	9	11	145	<	16	191	235	3	27	5	5	0.23	2.46	0.06	3.85	0.39	0.04	0.03	0.01
L 9800N 7125E S	62	0.2	33	8	57	<	<	<	2	<	<	<	23	7	42	<	20	406	2503	<	11	6	7	0.39	1.41	0.12	6.26	0.47	0.05	0.02	0.03
L 9800N 7175E S	42	0.2	29	15	66	24	<	<	1	<	<	<	23	6	83	<	19	250	4696	3	14	4	9	0.28	3.26	0.07	5.32	0.43	0.04	0.02	0.03
L 9800N 7225E S	51	0.1	25	22	32	<	<	<	1	<	<	<	17	4	60	<	11	280	2515	<	13	5	5	0.33	1.04	0.07	3.88	0.40	0.06	0.02	0.03
L 9800N 7275E S	<	0.4	35	12	106	31	<	<	1	<	<	<	24	14	92	<	21	175	954	3	25	6	10	0.24	4.16	0.16	5.55	1.17	0.04	0.03	0.03
L 9800N 7325E S	28	1.3	71	17	102	83	<	<	2	<	<	0.1	24	21	200	<	26	156	536	4	49	18	17	0.19	6.36	0.15	4.09	0.75	0.04	0.03	0.03
L 9800N 7375E S	69	1.4	42	19	72	77	<	<	2	<	<	0.4	15	14	225	<	23	104	321	5	54	9	15	0.15	6.10	0.18	3.06	0.60	0.04	0.04	0.03
L 9800N 7425E S	16	0.2	32	13	77	52	<	<	2	<	<	1.0	19	16	237	<	28	130	571	6	149	8	14	0.19	3.96	1.06	2.80	1.25	0.04	0.07	0.04
L 9800N 7475E S	19	0.2	36	12	67	50	<	<	2	<	<	0.3	17	16	211	<	28	141	528	5	155	7	14	0.18	3.96	0.78	3.10	1.16	0.04	0.08	0.03
L 9900N 6075E S	<	0.1	19	41	47	72	<	<	2	<	<	0.4	8	11	171	<	33	107	208	3	39	10	7	0.15	5.73	0.07	4.66	0.41	0.02	0.03	0.02
L 9900N 6100E S	<	0.3	15	23	41	50	<	<	3	<	<	<	57	7	80	<	31	182	1.6%	4	54	1	6	0.14	3.26	0.19	5.69	0.76	0.04	0.04	0.04
L 9900N 6125E S	5	0.2	16	17	41	36	<	<	2	<	<	0.7	11	9	106	<	21	198	932	4	62	2	4	0.13	2.56	0.27	2.84	0.46	0.04	0.03	0.05
L 9900N 6150E S	<	0.1	27	20	44	62	<	<	2	<	<	<	12	5	55	<	23	257	664	2	15	17	11	0.26	5.93	0.12	5.66	0.24	0.01	0.02	0.01
L 9900N 6175E S	<	0.1	22	16	44	<	<	<	2	<	<	<	15	3	63	<	19	461	388	<	20	8	6	0.50	1.72	0.12	6.64	0.35	0.02	0.03	0.01
L 9900N 6200E S	20	0.1	23	18	39	13	<	<	1	<	<	<	11	8	47	<	26	271	287	<	17	15	5	0.33	3.91	0.15	7.22	0.39	0.03	0.03	0.02
L 9900N 6225E S	5	0.1	29	14	58	73	<	<	1	<	<	<	16	12	102	<	28	145	326	2	29	23	16	0.19	7.50	0.08	4.54	0.46	0.02	0.03	0.02
L 9900N 6250E S	<	<	22	8	47	14	<	<	3	<	<	<	11	10	82	<	21	259	370	2	34	4	5	0.20	2.33	0.10	5.41	0.44	0.02	0.03	0.02
L 9900N 6275E S	<	<	18	12	55	54	<	<	3	<	<	<	11	12	157	<	29	183	335	<	47	15	7	0.20	5.29	0.08	6.18	0.60	0.04	0.03	0.01
L 9900N 6300E S	<	<	24	10	67	65	<	<	2	<	<	0.2	16	19	222	<	26	146	426	4	131	7	8	0.16	5.18	0.40	3.81	1.00	0.05	0.05	0.03
L 9900N 6325E S	<	0.1	20	17	43	72	<	<	2	<	<	<	8	8	141	<	32	178	199	2	29	15	6	0.18	6.28	0.05	5.86	0.24	0.01	0.03	0.01
L 9900N 6350E S	<	0.1	14	11	55	25	<	<	3	<	<	0.2	12	13	114	<	20	166	363	2	101	3	5	0.17	2.51	0.46	3.90	0.93	0.03	0.06	0.02
L 9900N 6425E S	<	0.2	17	12	39	51	<	<	3	<	<	<	8	9	110	<	23	158	196	<	36	9	6	0.18	4.40	0.08	4.75	0.30	0.02	0.03	0.03
L 9900N 6450E S	<	<	13	17	38	57	<	<	3	<	<	2.5	7	9	113	<	28	118	150	3	30	7	5	0.15	5.03	0.05	4.00	0.33	0.02	0.02	0.02
L 9900N 6475E S	5	0.1	11	7	26	<	<	<	3	<	<	<	7	5	91	<	16	220	220	<	29	3	2	0.21	0.86	0.04	3.34	0.13	0.02	0.02	0.01
L 9900N 6500E S	<	0.1	12	15	41	21	<	<	8	<	<	<	14	8	61	<	39	158	847	2	24	3	6	0.19	2.27	0.07	4.39	0.95	0.01	0.03	0.02
L 9900N 6525E S	89	0.1	19	14	41	62	<	<	2	<	<	<	14	10	102	<	34	149	1827	3	24	14	7	0.22	6.01	0.06	5.23	0.43	0.02	0.03	0.01
L 9900N 6550E S	<	0.1	20	14	50	58	<	<	2	<	<	<	10	11	111	<	32	145	203	2	16	16	8	0.17	5.44	0.03	4.39	0.27	0.02	0.03	0.02
L 9900N 6600E S	<	<	15	13	77	43	<	<	4	<	<	0.7	11	13	105	<	25	116	458	3	46	2	5	0.15	3.44	0.25	2.56	0.97	0.03	0.04	0.03
L 9900N 6650E S	<	0.1	12	12	26	48	<	<	2	<	<	0.2	6	6	71	<	21	106	135	2	29	5	4	0.15	3.53	0.07	1.93	0.29	0.02	0.03	0.01
L 9900N 6675E S	<	0.2	11	13	29	11	<	<	1	<	<	<	4	4	80	<	13	59	175	<	32	1	1	0.07	1.03	0.18	1.61	0.27	0.04	0.04	0.04
L 9900N 6700E S	7	<	16	10	29	48	<	<	2	<	<	<	10	8	58	<	30	170	235	<	12	14	8	0.26	4.72	0.06	4.71	0.30	0.01	0.03	0.02
L 9900N 6750E S	<	<	30	16	58	92	<	<	<	<	<	0.1	17	14	158	<	25	114	421	4	45	16	13	0.18	7.57	0.13	3.63	0.77	0.03	0.03	0.03
L 9900N 6775E S	8	<	19	11	34	61	<	<	2	<	<	<	7	8	114	<	32	148	192	2	32	16	8	0.19	5.18	0.05	4.97	0.30	0.01	0.03	0.01
L 9900N 6800E S	9	<	13	13	35	23	<	<	1	<	<	<	8	8	113	<	21	165	192	2	36	3	4	0.20	2.47	0.07	3.88	0.44	0.03	0.03	0.02
L 9900N 6875E S	13	0.3	25	29	51	20	<	<	3	<	<	<	12	11	186	<	21	167	323	3	46	5	5	0.23	2.67	0.11	5.26	0.61	0.05	0.03	0.01
L 9900N 6900E S	22	0.2	21	30	48	23	<	<	3	<	<	<	10	6	71	<	15	181	352	2	15	5	5	0.21	1.54	0.06	4.00	0.57	0.06	0.02	0.02
L 9900N 6950E S	6	0.2	37	14	43	32	<	<	2	<	<	0.2	12	8	91	<	18	129	679	6	26	3	6	0.15	3.47	0.11	3.91	0.46	0.03	0.03	0.02
L 9900N 6975E S	7	0.2	29	13	46	63	<	<	2	<	<	0.2	11	7	98	<	20	109	303	3	33	16	8	0.16	6.22	0.15	3.84	0.43	0.02	0.03	0.02
L 9900N 7050E S	32	0.1	41	8	33	7	<	<	2	<	<	<	14	3	43	<	14	334	415	<	9	14	6	0.30	0.85	0.08	4.39	0.34	0.06	0.02	0.03
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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Client : Misty Mountain Gold Ltd.
Project: Canyon Grid

186 Samples
186=Soil

[103814:55:07:79102197]

Out: Oct 17, 1997
In : Oct 15, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L 9900N 7100E S	28	1.2	37	15	57	90	<	<	2	<	<	<	64	9	113	<	25	149	1021	6	20	16	16	0.16	7.23	0.04	4.62	0.26	0.02	0.03	0.02
L 9900N 7125E S	24	0.6	35	24	52	30	<	<	2	<	<	<	11	5	64	<	21	273	454	<	16	13	7	0.22	4.07	0.11	6.80	0.20	0.02	0.03	0.03
L 9900N 7200E S	<	0.1	18	11	27	<	<	<	1	<	<	<	9	4	101	<	14	220	394	2	22	4	4	0.24	1.30	0.06	3.52	0.19	0.04	0.03	0.02
L 9900N 7250E S	350	0.2	57	11	85	79	<	<	2	<	<	<	40	10	91	<	23	196	1.9%	4	19	5	16	0.23	4.87	0.10	4.95	1.11	0.04	0.03	0.05
L 9900N 7300E S	8	0.2	23	9	36	25	<	<	1	<	<	<	12	9	126	<	20	161	1071	3	24	4	6	0.19	2.93	0.07	4.54	0.36	0.02	0.03	0.03
L 9900N 7325E S	368	0.6	34	14	47	59	<	<	2	<	<	<	15	7	100	<	23	177	733	3	18	8	11	0.21	4.91	0.05	4.95	0.32	0.01	0.02	0.03
L 9900N 7350E S	80	0.3	32	23	43	6	<	<	2	<	<	<	18	7	95	<	22	275	951	<	20	7	8	0.35	1.73	0.09	4.95	0.67	0.03	0.03	0.03
L 9900N 7375E S	13	0.2	32	14	53	45	<	<	2	<	<	<	19	10	126	<	26	187	642	3	26	13	11	0.24	4.53	0.09	4.97	0.46	0.03	0.03	0.02
L 9900N 7425E S	23	0.5	26	16	47	58	<	<	2	<	<	<	11	9	78	<	31	185	419	2	19	14	8	0.20	4.81	0.12	5.18	0.47	0.02	0.03	0.02
L 9900N 7450E S	44	0.7	31	29	46	82	<	<	2	<	<	<	12	10	85	<	29	185	399	2	18	22	11	0.21	6.09	0.07	5.58	0.54	0.02	0.03	0.02
L 9900N 7475E S	28	0.7	29	38	53	26	<	<	3	<	<	<	15	9	76	<	23	266	457	3	17	8	7	0.29	2.88	0.05	6.54	0.53	0.03	0.03	0.03
L 9900N 7500E S	32	0.1	27	17	104	43	<	<	3	<	<	0.5	28	21	377	<	27	123	4895	5	112	4	11	0.18	4.04	0.43	3.68	0.94	0.08	0.05	0.02
L 9900N 7525E S	65	0.6	18	15	85	72	<	<	3	<	<	1.1	18	13	252	<	26	112	1.5%	9	120	1	8	0.12	3.39	0.44	2.59	0.75	0.07	0.05	0.06
L 9900N 7550E S	52	0.5	26	16	81	27	<	<	3	<	<	0.2	18	11	73	<	24	169	1781	3	31	4	10	0.19	2.74	0.35	3.97	1.47	0.04	0.03	0.04
L 9900N 7575E S	39	0.2	20	24	44	48	<	<	2	<	<	0.7	12	9	117	<	21	128	452	5	43	3	7	0.17	3.24	0.17	2.33	0.55	0.04	0.04	0.02
L 9900N 7675E S	88	<	26	19	50	67	<	5	1	<	<	0.7	13	12	157	<	22	126	440	4	62	6	9	0.20	4.45	0.32	2.78	0.73	0.05	0.04	0.03
L 9900N 7700E S	27	0.1	6	17	16	13	<	<	1	<	<	<	7	2	93	<	10	159	175	2	28	2	2	0.30	0.91	0.07	1.38	0.12	0.04	0.03	0.01
L10000N 6000E S	<	<	22	12	42	66	<	<	2	<	<	<	9	9	201	<	23	154	276	2	63	19	8	0.21	5.54	0.09	4.95	0.39	0.03	0.03	0.02
L10000N 6025E S	<	0.1	11	7	58	<	<	<	1	<	<	<	12	5	87	<	12	191	498	2	104	11	3	0.27	1.29	0.22	4.24	0.61	0.06	0.04	0.02
L10000N 6050E S	<	0.1	7	13	28	<	<	<	1	<	<	<	9	3	75	<	8	151	264	<	43	4	2	0.24	1.22	0.19	3.25	0.43	0.05	0.03	0.02
L10000N 6075E S	<	0.1	19	12	44	55	<	<	2	<	<	0.7	10	8	114	<	19	107	474	4	59	4	5	0.15	3.43	0.21	2.94	0.57	0.05	0.05	0.03
L10000N 6125E S	<	0.1	19	15	42	85	<	<	2	<	<	0.1	9	13	142	<	26	111	259	3	68	13	6	0.15	5.52	0.15	3.40	0.50	0.02	0.04	0.03
L10000N 6150E S	24	0.1	42	12	42	57	6	5	1	<	<	<	15	6	26	<	15	111	851	<	69	5	7	0.16	4.22	1.93	3.61	1.28	0.34	0.14	0.01
L10000N 6175E S	12	0.2	28	12	97	42	<	<	2	<	<	<	34	13	105	<	30	253	8293	3	42	3	10	0.27	3.98	0.29	6.97	1.19	0.06	0.04	0.04
L10000N 6200E S	<	0.1	31	16	76	<	<	<	4	<	<	<	30	14	86	<	27	408	615	2	31	9	10	0.47	2.76	0.32	8.13	1.03	0.03	0.05	0.02
L10000N 6225E S	<	0.1	32	16	50	75	<	<	2	<	<	<	14	12	115	<	28	165	334	3	44	18	11	0.16	6.33	0.16	4.69	0.51	0.03	0.04	0.02
L10000N 6250E S	13	<	21	11	49	45	<	<	3	<	<	<	14	8	108	<	23	222	1519	5	40	4	9	0.20	4.74	0.25	6.82	0.38	0.02	0.03	0.03
L10000N 6275E S	5	<	31	15	74	79	<	<	1	<	<	0.2	21	18	143	<	26	107	630	7	114	2	10	0.14	5.87	0.67	3.07	1.06	0.05	0.06	0.07
L10000N 6300E S	5	0.1	21	10	56	58	<	<	2	<	<	0.1	11	16	161	<	22	136	306	3	64	3	6	0.14	4.56	0.14	3.86	0.68	0.02	0.04	0.04
L10000N 6325E S	<	<	13	10	46	62	<	<	3	<	<	<	11	11	145	<	27	172	880	3	53	10	8	0.14	5.36	0.09	5.91	0.45	0.01	0.03	0.02
L10000N 6350E S	138	<	18	13	51	32	<	<	2	<	<	<	27	13	119	<	23	147	906	3	75	9	6	0.22	3.31	0.22	4.42	0.75	0.05	0.04	0.02
L10000N 6375E S	<	0.1	19	15	49	52	<	<	2	<	<	<	12	10	153	<	26	177	297	3	44	12	9	0.18	4.82	0.07	4.97	0.45	0.03	0.03	0.02
L10000N 6400E S	<	<	28	14	52	93	<	3	1	<	<	<	14	14	145	<	25	127	323	3	72	23	13	0.18	6.90	0.22	4.12	0.63	0.02	0.05	0.02
L10000N 6425E S	<	<	18	9	86	34	<	<	2	<	<	<	22	10	142	<	16	175	2182	3	98	2	8	0.20	3.76	0.71	5.32	1.31	0.05	0.11	0.04
L10000N 6450E S	16	0.1	18	14	44	38	<	<	2	<	<	<	10	8	113	<	24	242	230	2	31	12	6	0.22	4.48	0.09	5.37	0.26	0.03	0.03	0.02
L10000N 6475E S	6	<	20	12	37	60	<	<	2	<	<	<	9	5	83	<	23	148	228	2	26	15	7	0.20	5.15	0.06	4.55	0.30	0.02	0.03	0.02
L10000N 6500E S	<	0.1	15	15	37	34	<	<	3	<	<	0.1	18	7	92	<	17	153	762	3	32	5	4	0.21	3.03	0.10	3.94	0.32	0.03	0.03	0.02
L10000N 6525E S	<	<	17	17	51	85	<	<	2	<	<	0.7	13	11	112	<	23	101	623	7	51	7	8	0.16	5.77	0.15	2.63	0.52	0.03	0.04	0.04
L10000N 6550E S	<	0.2	24	16	45	74	<	<	2	<	<	<	11	9	122	<	28	184	248	6	39	15	12	0.21	6.16	0.13	4.85	0.42	0.02	0.03	0.02
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Dal=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE C ANALYSIS
iPL 97J1038

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Client : Misty Mountain Gold Ltd.
Project: Canyon Grid

186 Samples
186=Soil

[103814:55:07:79102197]

Out: Oct 17, 1997
In : Oct 15, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L10000N 6575E S	<	0.1	21	8	59	50	<	<	2	<	<	0.4	16	15	123	<	24	128	574	5	59	4	7	0.18	3.93	0.34	3.20	0.76	0.04	0.05	0.04
L10000N 6600E S	<	<	15	14	47	21	<	<	4	<	<	<	16	10	104	<	25	154	730	3	52	5	5	0.20	2.82	0.20	4.45	0.62	0.04	0.05	0.02
L10000N 6625E S	<	0.1	28	13	60	81	<	<	2	<	<	<	14	16	171	<	30	149	396	2	46	18	9	0.18	6.15	0.11	4.94	0.79	0.03	0.04	0.02
L10000N 6650E S	<	0.1	16	12	31	15	<	<	1	<	<	0.1	7	7	89	<	18	123	217	<	52	6	3	0.15	1.89	0.36	3.44	0.33	0.03	0.06	0.02
L10000N 6675E S	<	<	18	10	35	12	<	<	2	<	<	<	10	8	97	<	26	246	227	<	24	10	4	0.28	2.94	0.06	6.06	0.25	0.01	0.03	0.02
L10000N 6700E S	35	<	16	14	47	55	<	<	3	<	<	0.6	13	9	128	<	22	138	235	6	59	4	7	0.21	4.13	0.12	2.90	0.41	0.03	0.04	0.02
L10000N 6725E S	19	0.1	27	8	47	17	<	<	2	<	<	<	19	14	52	<	43	256	718	<	17	6	10	0.25	2.33	0.12	4.92	1.00	0.04	0.03	0.02
L10200N 6000E S	6	<	28	13	78	52	<	<	1	<	<	<	18	17	163	<	25	145	835	5	129	4	10	0.14	5.06	1.04	4.38	1.22	0.06	0.07	0.03
L10200N 6025E S	<	<	15	10	33	<	<	<	2	<	<	<	7	6	150	<	16	177	185	2	43	2	2	0.16	1.32	0.07	4.43	0.15	0.03	0.03	0.02
L10200N 6050E S	<	<	19	11	47	48	<	<	2	<	<	<	10	12	168	<	32	160	277	2	59	13	8	0.18	5.04	0.09	5.49	0.57	0.02	0.03	0.02
L10200N 6075E S	9	<	13	12	112	84	<	<	3	<	<	<	25	22	277	<	27	150	2432	4	171	2	6	0.08	4.25	0.51	4.21	0.80	0.05	0.05	0.05
L10200N 6100E S	<	<	14	8	62	19	<	<	3	<	<	<	14	13	162	<	17	100	733	3	131	1	4	0.09	2.48	0.29	3.21	0.58	0.04	0.04	0.03
L10200N 6125E S	5	<	18	12	101	55	<	<	4	<	<	0.2	11	17	294	<	20	98	278	6	252	2	6	0.05	4.05	0.63	3.02	0.76	0.03	0.05	0.05
L10200N 6175E S	<	<	6	6	23	21	<	<	1	<	<	0.4	3	5	136	<	13	40	128	2	122	1	1	0.03	1.48	0.31	0.84	0.18	0.03	0.04	0.03
L10200N 6200E S	<	<	6	11	21	11	<	<	1	<	<	<	5	5	77	<	15	126	162	3	29	3	3	0.12	1.61	0.13	3.18	0.27	0.03	0.03	0.02
L10200N 6225E S	6	0.3	33	17	41	53	<	<	1	<	<	1.0	12	10	105	<	25	89	283	20	122	4	7	0.07	3.34	1.36	1.83	0.71	0.03	0.07	0.09
L10200N 6250E S	12	<	28	10	65	74	<	5	2	<	<	<	24	17	164	<	24	161	564	7	93	6	12	0.19	5.91	0.30	4.05	0.83	0.04	0.05	0.04
L10200N 6275E S	<	<	20	12	48	100	<	<	3	<	<	<	10	13	176	<	34	167	272	2	73	25	13	0.21	8.21	0.11	4.94	0.42	0.03	0.03	0.03
L10200N 6300E S	<	0.1	19	10	40	9	<	<	2	<	<	<	10	8	163	<	25	261	240	2	36	6	4	0.26	2.17	0.12	5.22	0.23	0.04	0.03	0.02
L10200N 6325E S	<	<	23	10	57	18	<	<	3	<	<	<	16	9	135	<	19	237	399	3	53	7	7	0.29	3.14	0.25	5.08	0.82	0.03	0.06	0.02
L10200N 6350E S	6	0.1	42	10	65	105	<	<	2	<	<	0.4	18	14	225	<	22	134	385	3	87	24	15	0.20	8.20	0.37	3.94	0.87	0.05	0.04	0.02
L10200N 6375E S	<	0.1	25	12	76	68	<	<	2	<	<	<	33	14	105	<	19	177	1097	4	53	6	9	0.25	5.84	0.34	4.80	1.01	0.03	0.04	0.03
L10200N 6400E S	6	<	18	15	53	94	<	<	1	<	<	<	19	12	92	<	26	218	255	10	40	18	13	0.27	7.94	0.20	4.95	0.42	0.02	0.03	0.02
L10200N 6425E S	6	<	24	10	57	<	<	<	2	<	<	<	16	8	238	<	21	317	384	3	110	6	5	0.33	1.75	0.18	5.62	0.43	0.03	0.05	0.01
L10200N 6450E S	<	<	34	14	58	64	<	<	2	<	<	<	18	9	141	<	20	263	456	3	53	18	12	0.28	6.35	0.28	5.28	0.72	0.02	0.04	0.02
L10200N 6475E S	<	<	31	14	40	88	<	<	2	<	<	<	14	5	37	<	24	299	285	3	14	27	21	0.34	8.42	0.08	6.62	0.38	<	0.03	0.02
L10200N 6500E S	16	<	31	10	58	72	<	<	2	<	<	<	17	11	119	<	20	236	428	<	57	16	12	0.24	6.17	0.27	4.80	0.72	0.02	0.04	0.02
L10200N 6525E S	<	<	24	8	83	<	<	<	2	<	<	<	17	7	66	<	32	547	477	<	29	5	4	0.41	1.41	0.18	6.36	0.28	0.02	0.03	0.01
L10200N 6550E S	<	<	24	10	52	39	<	<	2	<	<	<	13	10	195	<	19	215	347	3	87	7	9	0.21	4.50	0.19	5.63	0.62	0.03	0.04	0.02
L10200N 6575E S	<	<	27	13	53	81	<	<	1	<	<	0.4	16	13	135	<	20	154	431	3	62	15	10	0.18	6.30	0.24	3.79	0.70	0.03	0.03	0.02
L10200N 6600E S	<	0.2	24	11	41	23	<	<	2	<	<	<	12	5	84	<	28	354	271	2	22	14	7	0.28	4.35	0.10	7.80	0.50	0.01	0.03	0.01
L10200N 6625E S	<	<	26	9	52	17	<	<	1	<	<	<	15	10	98	<	22	271	486	3	42	7	7	0.25	3.55	0.19	5.93	0.81	0.03	0.04	0.02
L10200N 6650E S	<	<	22	11	47	51	<	<	2	<	<	0.1	12	11	141	<	22	157	312	4	56	6	8	0.21	4.74	0.14	3.33	0.68	0.03	0.04	0.02
L10200N 6675E S	8	<	20	10	44	15	<	<	2	<	<	<	12	10	136	<	24	170	453	<	60	5	4	0.21	2.48	0.14	4.53	0.72	0.02	0.03	0.02
L10200N 6700E S	<	<	24	13	51	78	<	<	2	<	<	0.1	12	11	133	<	26	122	260	3	32	18	10	0.18	7.11	0.07	3.88	0.50	0.02	0.03	0.02
L10200N 6725E S	8	0.1	15	9	32	30	<	<	3	<	<	<	9	6	155	<	24	219	266	<	31	9	4	0.23	3.47	0.05	5.84	0.26	0.01	0.03	0.02
L10400N 6000E S	11	<	18	10	55	59	<	<	2	<	<	<	9	15	188	<	26	118	291	4	76	5	6	0.11	4.78	0.16	3.38	0.62	0.03	0.04	0.05
L10400N 6025E S	52	<	17	12	49	37	<	<	3	<	<	<	10	10	216	<	32	166	317	2	56	11	6	0.19	3.95	0.06	5.79	0.54	0.02	0.03	0.04
L10400N 6050E S	<	0.1	14	14	45	59	<	<	2	<	<	<	8	10	131	<	32	144	226	3	33	15	7	0.19	5.60	0.06	4.91	0.39	0.02	0.03	0.03
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

---=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICATE C ANALYSIS
iPL 97J1038

Client : Misty Mountain Gold Ltd.
Project: Canyon Grid

186 Samples
186=Soil

[103814:55:07:79102197]

Out: Oct 17, 1997
In : Oct 15, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
L10400N 6075E S	<	0.1	21	14	61	87	<	<	2	<	<	<	14	19	173	<	36	140	329	2	48	17	13	0.16	6.92	0.08	4.52	0.64	0.02	0.03	0.03
L10400N 6100E S	14	<	22	13	60	104	<	<	2	<	<	<	11	18	250	<	39	123	367	3	126	24	14	0.15	8.16	0.14	4.78	0.71	0.03	0.03	0.03
L10400N 6125E S	<	<	15	14	41	52	<	<	1	<	<	<	11	10	203	<	34	170	397	4	60	20	9	0.24	6.68	0.10	6.50	0.50	0.02	0.03	0.03
L10400N 6150E S	10	<	29	11	74	60	<	<	1	<	<	<	18	19	235	<	26	125	1012	13	149	8	13	0.14	4.50	0.25	4.11	1.13	0.05	0.05	0.05
L10400N 6175E S	<	<	19	12	58	84	<	<	1	<	<	<	10	13	163	<	31	105	494	3	80	20	10	0.11	7.36	0.14	4.41	0.61	0.03	0.05	0.03
L10400N 6225E S	<	<	15	14	44	59	<	<	2	<	<	<	9	10	188	<	33	144	208	2	64	15	8	0.18	5.42	0.09	4.81	0.35	0.02	0.03	0.02
L10400N 6250E S	<	<	19	17	58	88	<	<	2	<	<	<	11	15	226	<	39	140	271	2	63	23	11	0.17	6.95	0.08	4.74	0.45	0.03	0.03	0.02
L10400N 6275E S	<	<	12	13	36	50	<	<	2	<	<	0.3	6	10	214	<	22	94	144	3	73	2	4	0.10	3.42	0.09	1.72	0.38	0.03	0.03	0.02
L10400N 6300E S	8	<	16	10	44	22	<	<	2	<	<	<	8	11	128	<	20	138	265	2	40	3	3	0.14	2.54	0.08	4.25	0.43	0.02	0.03	0.02
L10400N 6325E S	<	<	16	12	52	30	<	<	2	<	<	<	9	11	282	<	22	136	298	4	133	4	5	0.17	3.60	0.12	4.28	0.51	0.03	0.03	0.02
L10400N 6350E S	<	<	22	13	54	59	<	<	2	<	<	<	11	13	157	<	24	137	300	4	58	6	7	0.17	5.14	0.20	3.94	0.63	0.04	0.03	0.03
L10400N 6375E S	<	<	20	11	58	52	<	<	2	<	<	0.1	14	15	184	<	23	126	400	4	74	4	6	0.17	3.89	0.21	3.80	0.76	0.04	0.04	0.03
L10400N 6400E S	<	<	30	10	85	45	<	<	2	<	<	<	20	19	160	<	28	163	824	4	67	5	8	0.20	4.89	0.27	4.97	1.05	0.03	0.06	0.04
L10400N 6425E S	13	<	25	11	82	62	<	<	2	<	<	<	21	20	225	<	26	122	1424	4	83	2	5	0.12	5.09	0.14	4.74	0.86	0.02	0.04	0.03
L10400N 6450E S	26	<	24	10	65	36	<	<	3	<	<	<	20	14	178	<	27	151	1649	3	72	3	5	0.16	3.86	0.12	5.19	0.85	0.03	0.03	0.03
L10400N 6475E S	<	<	24	11	81	61	<	<	2	<	<	<	21	17	227	<	25	128	790	4	85	2	6	0.12	4.99	0.14	4.08	0.87	0.04	0.04	0.05
L10400N 6500E S	<	0.1	21	12	57	60	<	<	1	<	<	0.2	11	12	208	<	20	108	517	3	64	4	5	0.11	5.00	0.13	3.71	0.43	0.03	0.05	0.04
L10400N 6525E S	14	<	22	15	57	64	<	<	2	<	<	<	12	13	225	<	29	167	406	3	47	10	9	0.17	6.20	0.14	5.16	0.50	0.03	0.03	0.03
L10400N 6550E S	<	<	22	12	42	44	<	<	2	<	<	<	8	11	182	<	27	183	258	3	35	5	5	0.17	4.16	0.05	5.22	0.33	0.02	0.03	0.03
L10400N 6575E S	<	<	26	12	47	28	<	<	2	<	<	<	15	12	116	<	27	192	1148	2	36	5	7	0.20	3.27	0.26	5.35	0.69	0.05	0.04	0.04
L10400N 6600E S	<	0.2	25	10	44	37	<	<	2	<	<	0.3	10	12	184	<	21	132	2126	2	58	2	4	0.12	3.15	0.14	3.55	0.47	0.04	0.04	0.05
L10400N 6625E S	<	0.4	30	10	51	44	<	<	2	<	<	<	18	10	80	<	23	218	1810	2	18	7	8	0.19	4.80	0.08	5.44	0.99	0.02	0.03	0.04
L10400N 6650E S	6	0.9	30	11	65	82	<	<	2	<	<	<	18	16	265	<	28	119	712	5	72	9	10	0.14	6.57	0.11	4.20	0.76	0.03	0.03	0.05
L10400N 6675E S	<	0.2	38	10	57	47	<	<	1	<	<	<	19	9	79	<	18	231	824	2	30	15	9	0.26	5.27	0.24	5.65	0.92	0.01	0.04	0.03
L10400N 6700E S	<	<	35	11	53	72	<	<	2	<	<	<	21	13	106	<	23	161	1050	5	89	5	12	0.19	5.90	0.76	4.26	0.85	0.05	0.05	0.03
L10400N 6725E S	<	0.1	24	8	69	60	<	<	2	<	<	<	16	16	101	<	23	128	877	5	97	3	7	0.15	4.79	1.11	4.05	0.90	0.03	0.05	0.05
L10400N 6750E S	<	<	28	12	66	54	<	<	1	<	<	0.2	18	17	108	<	25	135	1218	7	145	3	9	0.15	4.51	1.05	3.99	1.16	0.05	0.07	0.06
L10400N 6775E S	10	<	25	11	68	42	<	<	1	<	<	0.1	16	16	181	<	29	133	451	6	195	7	13	0.18	4.04	1.13	3.45	1.35	0.03	0.09	0.04
L10400N 6800E S	<	<	26	10	76	45	<	<	1	<	<	0.2	18	18	142	<	25	130	544	5	144	4	10	0.18	4.12	0.82	3.17	1.36	0.04	0.07	0.06
L10400N 6825E S	8	<	25	13	67	89	<	<	2	<	<	<	15	15	161	<	33	161	413	4	72	23	14	0.23	7.93	0.15	4.89	0.81	0.02	0.04	0.03
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICATE OF ANALYSIS
iPL 97J1057

Misty Mountain Gold Ltd.
Project : Canyon Grid = AMETHYST GRID
Shipper : Ron Konst
Shipment: PO#:
Analysis:
Au(FA/AAS 20g) ICP(AqR)30

Comment:

142 Samples Out: Oct 24, 1997 In: Oct 21, 1997 [105715:02:51:79102897]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B111	142	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0312	FA/AAS	ppb	Au FA/AAS finish 20g	Gold	5	9999
02	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
03	0711	ICP	ppm	Cu ICP	Copper	1	20000
04	0714	ICP	ppm	Pb ICP	Lead	2	20000
05	0730	ICP	ppm	Zn ICP	Zinc	1	20000
06	0703	ICP	ppm	As ICP	Arsenic	5	9999
07	0702	ICP	ppm	Sb ICP	Antimony	5	999
08	0732	ICP	ppm	Hg ICP	Mercury	3	9999
09	0717	ICP	ppm	Mo ICP	Molybdenum	1	999
10	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
11	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
12	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
13	0710	ICP	ppm	Co ICP	Cobalt	1	9999
14	0718	ICP	ppm	Ni ICP	Nickel	1	9999
15	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
16	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
17	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
18	0729	ICP	ppm	V ICP	Vanadium	2	9999
19	0716	ICP	ppm	Mn ICP	Manganese	1	9999
20	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
21	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
22	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
23	0736	ICP	ppm	Sc ICP	Scandium	1	9999
24	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
25	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
26	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
27	0712	ICP	%	Fe ICP	Iron	0.01	9.99
28	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
29	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
30	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
31	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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Att: Ron Konst	Ph:604/684-6365				
	Fx:604/684-8092				
	Em:tomk@hdgold.com				

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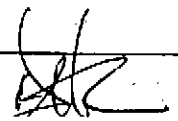

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CERTIFICATE OF ANALYSIS
iPL 97J1057

Client : Misty Mountain Gold Ltd.
Project: Canyon Grid = AMETHYST GRID

142 Samples
142=Soil

[105715:02:51:79102897]

Out: Oct 24, 1997
In : Oct 21, 1997

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
9000N 6000E	S	<	0.3	19	22	37	54	<	<	2	<	<	<	6	10	363	<	21	110	197	3	45	11	5	0.14	5.48	0.10	4.91	0.25	0.03	0.03	0.02
9000N 6025E	S	9	0.4	17	19	45	45	<	<	1	<	<	<	7	10	164	<	18	91	239	4	61	7	4	0.10	4.75	0.14	3.71	0.32	0.03	0.03	0.04
9000N 6050E	S	<	0.3	16	17	47	18	<	<	2	<	<	<	8	13	153	<	19	95	309	2	60	3	4	0.10	2.74	0.14	3.24	0.53	0.03	0.03	0.02
9000N 6075E	S	<	0.4	18	18	42	62	<	<	1	<	<	<	7	12	117	<	24	100	249	3	30	10	5	0.13	5.04	0.09	3.95	0.39	0.03	0.03	0.03
9000N 6100E	S	<	0.3	17	14	44	19	<	<	2	<	<	<	8	9	118	<	25	175	271	2	27	4	5	0.18	3.18	0.03	4.92	0.19	0.03	0.02	0.02
9000N 6125E	S	<	0.4	22	18	43	39	<	<	2	<	<	<	7	14	154	<	24	129	238	2	34	5	4	0.13	4.86	0.06	4.78	0.31	0.02	0.03	0.03
9000N 6150E	S	<	0.3	21	15	45	51	<	<	2	<	<	<	7	10	123	<	21	127	270	4	28	4	5	0.15	5.23	0.05	4.61	0.27	0.02	0.03	0.03
9000N 6175E	S	<	0.4	22	23	59	74	5	<	1	<	<	<	12	17	140	<	29	121	400	5	38	11	10	0.15	6.79	0.08	4.54	0.57	0.04	0.03	0.05
9000N 6200E	S	<	0.2	21	18	54	83	<	<	2	<	<	<	13	13	187	<	23	110	639	7	53	9	9	0.16	7.08	0.10	3.90	0.53	0.04	0.03	0.05
9000N 6225E	S	<	0.5	20	14	41	43	<	<	1	<	<	<	8	9	101	<	22	125	280	4	26	7	7	0.13	4.58	0.05	4.41	0.34	0.01	0.03	0.03
9000N 6250E	S	<	0.4	18	15	41	57	<	<	2	<	<	<	7	12	168	<	25	111	227	2	36	7	6	0.13	5.27	0.05	4.30	0.38	0.02	0.03	0.03
9000N 6275E	S	<	0.2	13	13	35	5	<	<	2	<	<	<	7	9	135	<	19	124	211	2	47	3	3	0.14	1.76	0.12	3.78	0.30	0.04	0.03	0.02
9000N 6350E	S	<	0.3	22	16	45	51	6	<	2	<	<	<	8	13	110	<	29	152	252	<	27	9	6	0.17	5.90	0.05	5.60	0.39	0.01	0.03	0.02
9000N 6375E	S	5	0.5	22	18	43	37	<	<	2	<	<	<	8	12	91	<	20	109	238	2	29	6	5	0.12	3.75	0.14	3.69	0.37	0.03	0.03	0.04
9000N 6400E	S	<	0.3	23	19	37	67	<	<	2	<	<	<	7	11	93	<	32	130	199	2	28	20	8	0.18	7.08	0.07	5.08	0.38	0.02	0.03	0.02
9000N 6425E	S	<	0.2	36	13	84	10	<	<	1	<	<	<	17	9	80	<	20	183	573	<	47	6	6	0.41	2.20	0.30	3.95	0.96	0.04	0.06	0.02
9000N 6475E	S	<	0.3	26	14	40	26	<	<	2	<	<	<	9	7	68	<	21	171	347	5	33	8	5	0.24	4.25	0.09	5.37	0.27	0.03	0.03	0.02
9000N 6500E	S	<	0.4	19	7	28	14	<	<	1	<	<	0.3	5	4	73	<	10	105	191	4	9	2	2	0.09	2.09	0.06	2.98	0.11	0.02	0.03	0.01
9000N 6525E	S	<	0.3	21	19	26	64	<	<	1	<	<	<	8	5	45	<	16	127	227	6	14	17	12	0.23	6.48	0.05	3.70	0.25	0.01	0.03	0.03
9000N 6550E	S	7	0.2	29	18	32	82	<	<	1	<	<	<	8	7	61	<	16	99	235	2	20	13	11	0.16	8.03	0.20	3.72	0.56	0.02	0.04	0.02
9000N 6600E	S	<	0.4	15	10	50	13	<	<	2	<	<	<	8	12	143	<	16	134	320	2	66	2	4	0.14	2.27	0.17	3.56	0.53	0.04	0.03	0.01
9000N 6625E	S	<	0.4	22	12	45	16	<	<	2	<	<	<	13	11	111	<	16	119	416	3	50	2	4	0.19	2.50	0.21	3.65	0.90	0.04	0.04	0.02
9400N 6000E	S	<	0.3	18	13	39	31	<	<	2	<	<	<	6	11	190	<	25	117	198	2	42	4	4	0.11	3.80	0.07	4.37	0.30	0.02	0.03	0.02
9400N 6025E	S	<	0.3	18	18	43	59	<	<	2	<	<	<	9	11	157	<	23	96	289	5	50	8	7	0.11	5.56	0.07	3.52	0.38	0.04	0.03	0.05
9400N 6050E	S	<	0.3	23	13	43	42	<	<	1	<	<	<	7	11	139	<	26	118	230	5	37	5	7	0.13	5.01	0.06	4.26	0.38	0.04	0.03	0.03
9400N 6075E	S	<	0.3	15	11	32	21	<	<	1	<	<	0.3	5	8	102	<	15	86	262	3	31	3	2	0.08	2.54	0.10	2.87	0.22	0.04	0.03	0.04
9400N 6100E	S	<	0.4	15	15	38	52	5	<	1	<	<	<	6	12	119	<	24	111	251	5	34	7	7	0.12	4.88	0.05	3.96	0.24	0.03	0.03	0.03
9400N 6125E	S	<	0.8	19	19	42	46	<	<	1	<	<	<	7	11	153	<	22	93	413	5	44	3	5	0.10	4.79	0.07	3.71	0.38	0.03	0.03	0.05
9400N 6150E	S	<	1.0	20	19	47	45	<	<	1	<	<	<	8	10	163	<	29	86	254	6	43	6	7	0.09	5.61	0.06	3.35	0.40	0.03	0.03	0.04
9400N 6175E	S	<	1.0	21	17	52	69	5	<	1	<	<	<	8	14	172	<	38	94	286	7	43	10	10	0.10	6.39	0.06	3.57	0.44	0.03	0.03	0.06
9400N 6200E	S	<	0.4	17	14	47	38	<	<	2	<	<	<	8	11	154	<	19	91	495	3	52	2	4	0.09	3.32	0.11	3.10	0.42	0.03	0.03	0.04
9400N 6225E	S	<	0.5	23	16	39	30	<	<	1	<	<	<	15	11	85	<	25	123	1274	4	23	2	4	0.11	4.08	0.08	4.37	0.25	0.04	0.03	0.03
9400N 6250E	S	<	0.4	20	11	28	18	<	<	1	<	<	0.3	6	10	57	<	30	99	377	<	19	4	3	0.10	2.45	0.07	2.97	0.24	0.02	0.03	0.04
9400N 6275E	S	<	0.2	20	20	49	53	<	<	1	<	<	<	8	13	107	<	30	108	316	5	32	5	7	0.11	5.95	0.05	3.99	0.35	0.04	0.03	0.06
9400N 6325E	S	<	0.2	20	16	72	50	<	<	1	<	<	0.1	9	14	169	<	23	92	190	4	58	2	4	0.08	4.14	0.10	1.82	0.46	0.05	0.03	0.03
9400N 6350E	S	<	0.3	15	18	43	60	<	<	2	<	<	<	6	10	191	<	27	92	216	2	29	10	7	0.10	5.61	0.04	3.67	0.29	0.02	0.03	0.02
9400N 6400E	S	<	0.2	17	19	46	51	<	<	2	<	<	0.3	8	13	128	<	27	132	240	5	36	3	5	0.14	4.30	0.07	2.70	0.42	0.03	0.03	0.03
9400N 6425E	S	<	0.1	12	13	26	26	<	<	1	<	<	0.1	5	7	103	<	13	61	160	2	50	1	2	0.08	2.22	0.08	1.36	0.29	0.04	0.03	0.02
9400N 6450E	S	<	0.2	10	8	21	30	<	<	<	<	<	<	3	5	111	<	14	38	98	<	80	1	2	0.06	1.91	0.16	0.84	0.18	0.03	0.03	0.02
Min Limit		5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

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CERTIFICATE OF ANALYSIS
iPL 97J1057

Client : Misty Mountain Gold Ltd.
Project: Canyon Grid

142 Samples
142=Soil

[105715:02:51:79102897]

Out: Oct 24, 1997
In : Oct 21, 1997

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
9400N 6475E	S	<	0.3	22	17	41	46	5	<	2	<	<	<	9	12	145	<	32	136	273	5	27	13	10	0.16	5.46	0.06	5.00	0.40	0.04	0.02	0.02
9400N 6500E	S	<	0.3	11	13	28	18	<	<	2	<	<	<	6	9	150	<	20	116	164	2	34	3	3	0.13	3.03	0.08	4.13	0.31	0.03	0.03	0.02
9400N 6525E	S	<	0.3	7	12	25	16	<	<	1	<	<	<	5	8	132	<	14	84	129	2	37	1	2	0.12	1.73	0.06	1.89	0.28	0.03	0.03	0.01
9400N 6550E	S	<	0.4	17	19	43	54	<	<	1	<	<	<	8	12	154	<	25	85	224	3	42	9	7	0.11	5.36	0.07	3.35	0.42	0.04	0.03	0.02
9400N 6575E	S	<	0.3	15	15	34	31	<	<	1	<	<	<	6	10	96	<	25	92	179	2	21	8	5	0.12	4.14	0.06	3.34	0.29	0.03	0.03	0.02
9400N 6600E	S	5	0.3	11	17	24	<	<	<	2	<	<	<	6	6	93	<	13	119	178	2	30	2	2	0.18	1.05	0.07	2.91	0.23	0.04	0.03	0.01
9400N 6625E	S	7	0.5	16	20	32	11	<	<	2	<	<	0.5	6	7	75	<	15	99	288	2	24	2	3	0.12	1.58	0.13	2.52	0.37	0.05	0.03	0.03
9400N 6675E	S	7	0.3	18	14	42	41	<	<	1	<	<	0.2	7	11	177	<	20	86	219	4	47	2	5	0.11	3.52	0.09	2.29	0.46	0.04	0.03	0.03
9400N 6750E	S	<	0.3	17	15	48	35	<	<	2	<	<	<	8	10	145	<	18	74	262	4	97	1	4	0.11	2.74	0.31	1.70	0.62	0.04	0.05	0.06
9400N 6800E	S	<	0.3	18	12	48	33	<	<	2	<	<	<	11	12	126	<	20	129	480	4	49	3	6	0.15	3.49	0.14	3.60	0.59	0.05	0.04	0.04
9400N 6825E	S	<	0.4	25	15	82	65	<	<	2	<	<	<	23	20	228	<	37	112	1442	5	87	4	10	0.12	6.00	0.23	3.43	0.97	0.05	0.04	0.04
9600N 6000E	S	<	0.4	13	14	39	19	<	<	2	<	<	<	7	10	152	<	20	114	217	3	54	5	5	0.15	3.52	0.11	4.08	0.42	0.03	0.03	0.02
9600N 6025E	S	<	0.4	17	14	47	53	7	<	1	<	<	<	8	12	175	<	24	107	226	4	59	10	8	0.15	4.87	0.15	3.71	0.48	0.03	0.04	0.02
9600N 6050E	S	<	0.3	12	11	42	17	<	<	1	<	<	<	8	9	125	<	19	137	182	3	58	2	4	0.15	2.62	0.09	4.18	0.45	0.04	0.03	0.02
9600N 6075E	S	<	0.3	17	12	45	17	<	<	2	<	<	<	9	11	122	<	19	116	356	3	60	2	4	0.15	2.69	0.17	4.25	0.59	0.04	0.04	0.03
9600N 6100E	S	5	0.3	19	20	56	60	<	<	2	<	<	<	11	13	208	<	29	133	304	4	75	15	10	0.19	7.67	0.10	4.75	0.53	0.05	0.03	0.02
9600N 6125E	S	<	0.2	14	8	38	<	<	<	2	<	<	<	9	7	104	<	19	228	261	<	37	3	2	0.27	1.23	0.05	4.67	0.10	0.02	0.02	0.01
9600N 6150E	S	12	0.3	16	15	44	30	<	<	2	<	<	<	9	9	186	<	23	137	262	4	75	5	6	0.16	4.45	0.09	4.91	0.42	0.04	0.03	0.02
9600N 6175E	S	5	0.4	15	13	52	24	<	<	2	<	<	<	11	10	166	<	25	139	360	3	60	5	5	0.16	3.74	0.08	4.83	0.46	0.03	0.03	0.02
9600N 6200E	S	<	0.3	22	13	87	38	<	<	1	<	<	<	17	16	151	<	23	134	630	3	99	2	6	0.17	3.23	0.38	4.33	0.97	0.06	0.05	0.04
9600N 6225E	S	<	0.2	21	15	70	38	<	<	2	<	<	<	13	15	123	<	24	121	455	4	67	2	6	0.14	4.38	0.20	4.03	0.78	0.06	0.04	0.03
9600N 6250E	S	<	0.3	17	13	80	30	<	<	2	<	<	1.7	12	15	163	<	27	128	481	4	61	2	6	0.14	3.83	0.17	4.00	0.78	0.05	0.04	0.03
9600N 6275E	S	<	0.3	21	12	58	22	<	<	2	<	<	<	12	13	114	<	24	156	460	2	51	2	6	0.18	3.14	0.11	4.55	0.94	0.04	0.04	0.02
9600N 6300E	S	5	0.4	12	18	80	31	<	<	7	<	<	0.3	29	18	135	<	34	104	854	3	65	1	4	0.10	3.53	0.34	2.88	0.71	0.07	0.04	0.03
9600N 6350E	S	<	0.4	22	17	73	36	<	<	2	<	<	<	21	29	184	<	49	112	529	5	113	2	8	0.15	4.25	0.72	3.71	1.29	0.07	0.05	0.03
9600N 6375E	S	<	0.2	8	16	46	19	<	<	2	<	<	0.4	7	9	145	<	19	97	348	2	91	2	4	0.11	2.16	0.38	2.25	0.48	0.04	0.04	0.02
9600N 6475E	S	<	0.3	14	14	43	27	<	<	2	<	<	0.1	8	11	142	<	23	89	235	3	56	3	5	0.15	3.61	0.11	2.42	0.56	0.02	0.03	0.02
9600N 6500E	S	<	0.3	8	13	24	17	<	<	2	<	<	<	6	5	131	<	17	127	138	3	34	3	3	0.19	2.10	0.06	2.70	0.23	0.02	0.03	0.01
9600N 6525E	S	<	0.1	4	9	14	9	<	<	1	<	<	0.2	4	4	75	<	10	58	93	3	31	2	2	0.16	0.95	0.05	0.74	0.14	0.03	0.03	0.01
9600N 6550E	S	<	0.3	18	14	67	39	<	<	2	<	<	0.4	14	18	201	<	21	78	317	6	116	2	6	0.12	3.85	0.41	2.03	0.82	0.04	0.05	0.04
9600N 6575E	S	<	0.2	24	9	59	42	<	<	2	<	<	0.5	11	16	188	<	23	114	294	5	160	5	8	0.16	3.76	0.58	2.43	0.88	0.03	0.07	0.06
9600N 6625E	S	<	0.2	10	16	35	9	<	<	1	<	<	<	11	8	133	<	12	59	257	3	72	5	3	0.24	1.36	0.33	1.97	0.34	0.05	0.05	0.03
9600N 6650E	S	<	0.2	20	15	48	73	<	<	<	<	<	0.1	11	13	141	<	24	88	270	9	91	8	9	0.12	6.45	0.23	1.86	0.70	0.03	0.05	0.06
9600N 6675E	S	<	0.3	6	10	13	16	<	<	1	<	<	<	2	4	98	<	11	42	87	3	55	1	1	0.05	1.35	0.12	0.73	0.09	0.04	0.03	0.03
9600N 6700E	S	<	0.3	10	13	20	24	<	<	1	<	<	0.2	4	8	96	<	17	47	76	3	50	1	1	0.05	1.93	0.13	0.86	0.22	0.04	0.04	0.04
9600N 6725E	S	<	0.2	20	12	69	52	<	<	1	<	<	0.2	18	17	220	<	23	92	347	4	122	3	7	0.14	4.66	0.41	2.56	0.90	0.04	0.06	0.03
9600N 6750E	S	<	0.3	16	18	35	77	6	<	2	<	<	<	6	8	91	<	28	99	151	3	24	17	9	0.14	6.98	0.05	4.39	0.29	0.01	0.03	0.02
9600N 6775E	S	<	0.4	14	12	51	43	<	<	1	<	<	0.4	9	12	143	<	19	54	166	4	55	1	2	0.06	3.49	0.11	1.25	0.47	0.03	0.03	0.05
9600N 6800E	S	<	0.4	7	9	27	21	<	<	1	<	<	0.1	4	7	117	<	12	35	167	3	65	<	1	0.06	1.65	0.13	0.91	0.31	0.04	0.03	0.02
Min Limit		5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	5.00	5.00
Method		FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
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Client : Misty Mountain Gold Ltd.
Project: Canyon Grid

142 Samples
142=Soil

[105715:02:51:79102897]

Out: Oct 24, 1997
In : Oct 21, 1997

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
9600N 6850E	S	5	0.2	21	28	78	51	<	<	2	<	<	<	10	11	157	<	23	126	272	<	16	9	5	0.09	4.53	0.03	4.42	0.42	0.02	0.02	0.01
9600N 6875E	S	31	0.1	9	7	15	8	<	<	1	<	<	<	3	1	25	<	4	110	94	<	2	4	2	0.12	0.52	0.01	1.72	0.09	0.05	0.02	0.02
9600N 6950E	S	20	0.3	21	18	66	50	<	<	1	<	<	0.3	10	16	130	<	22	102	235	5	27	3	6	0.12	5.09	0.06	2.78	0.58	0.04	0.03	0.03
9600N 6975E	S	6	0.3	11	11	28	<	<	<	1	<	<	<	5	5	106	<	13	142	144	3	31	2	2	0.13	1.01	0.07	3.18	0.16	0.05	0.03	0.01
9600N 7000E	S	27	0.9	25	20	62	42	<	<	2	<	<	<	8	10	83	<	17	99	265	4	18	3	7	0.10	4.07	0.04	3.30	0.19	0.02	0.02	0.02
9600N 7025E	S	19	0.7	36	18	43	29	<	<	1	<	<	<	8	7	95	<	23	148	239	3	16	8	5	0.15	4.16	0.04	4.99	0.20	0.02	0.02	0.02
9600N 7050E	S	32	0.4	12	12	18	5	<	<	1	<	<	0.1	4	6	110	<	11	91	127	2	31	2	2	0.11	1.07	0.09	2.37	0.11	0.04	0.03	0.03
9600N 7075E	S	15	0.2	18	15	25	18	<	<	2	<	<	<	7	6	197	<	20	204	277	3	39	3	4	0.18	2.14	0.07	3.02	0.23	0.05	0.03	0.03
9600N 7125E	S	100	0.8	19	6	21	40	<	<	1	<	<	<	13	1	35	<	9	161	7797	3	4	1	3	0.06	1.82	0.03	3.44	0.05	0.05	0.02	0.07
9700N 6000E	S	15	0.7	29	16	67	52	<	<	1	<	<	<	14	13	169	<	22	133	337	5	28	9	10	0.16	5.19	0.06	4.71	0.51	0.04	0.03	0.02
9700N 6000E A	S	<	0.2	9	23	15	161	<	<	1	<	3	0.2	4	6	31	<	25	47	73	11	9	14	13	0.05	11%	0.02	1.61	0.10	0.01	0.02	0.10
9700N 6025E	S	<	0.1	8	14	56	53	<	<	1	<	<	0.2	9	11	164	<	17	63	163	4	95	2	4	0.11	4.37	0.16	2.37	0.52	0.02	0.03	0.02
9700N 6050E	S	<	0.2	18	14	41	25	<	<	1	<	<	<	9	8	97	<	18	101	188	4	40	9	7	0.15	4.47	0.06	3.98	0.41	0.03	0.03	0.02
9700N 6075E	S	<	0.2	20	20	43	63	<	<	2	<	<	<	11	9	116	<	24	132	227	6	42	14	11	0.18	6.45	0.06	4.36	0.35	0.03	0.02	0.02
9700N 6100E	S	<	0.1	15	16	52	46	<	<	1	<	<	<	11	14	135	<	25	100	221	4	24	10	8	0.16	5.08	0.06	3.69	0.52	0.03	0.02	0.01
9700N 6125E	S	<	0.3	14	11	39	11	<	<	1	<	<	<	7	8	112	<	18	131	243	4	44	3	4	0.16	2.88	0.08	4.33	0.29	0.04	0.03	0.02
9700N 6150E	S	<	0.2	19	16	39	48	<	<	2	<	<	<	8	8	117	<	22	135	225	5	33	12	9	0.19	5.38	0.08	4.38	0.37	0.02	0.03	0.02
9700N 6175E	S	<	0.2	24	11	55	11	<	<	2	<	<	0.5	9	11	127	<	18	94	297	5	95	1	4	0.15	2.02	0.36	2.87	0.48	0.06	0.04	0.02
9700N 6200E	S	<	0.2	10	11	54	15	<	<	1	<	<	0.2	9	11	143	<	15	89	317	<	92	2	4	0.15	2.14	0.23	2.67	0.71	0.03	0.04	0.02
9700N 6250E	S	<	0.1	25	15	57	42	<	<	1	<	<	0.4	12	17	187	<	21	78	259	5	126	3	6	0.12	4.10	0.61	2.04	0.90	0.05	0.05	0.04
9700N 6275E	S	<	0.2	22	14	61	34	<	<	1	<	<	0.2	12	16	145	<	23	74	359	5	94	2	5	0.11	3.64	0.49	1.89	0.91	0.05	0.04	0.04
9700N 6300E	S	<	0.1	19	16	61	31	<	<	1	<	<	0.3	10	15	142	<	21	93	291	3	79	3	6	0.15	3.28	0.44	2.24	0.85	0.04	0.04	0.03
9700N 6325E	S	7	0.2	12	13	39	30	<	<	2	<	<	0.2	5	10	162	<	16	60	144	3	157	1	2	0.06	2.57	0.34	1.09	0.43	0.03	0.04	0.02
9700N 6350E	S	<	0.2	18	13	26	22	<	<	3	<	<	1.3	2	6	75	<	14	37	353	3	60	1	1	0.02	1.41	0.60	0.40	0.10	0.03	0.03	0.05
9700N 6400E	S	<	0.2	11	8	27	<	<	<	4	<	<	<	8	5	54	<	17	107	858	3	34	1	2	0.04	1.41	0.37	5.67	0.20	0.02	0.04	0.06
9700N 6425E	S	8	0.2	5	11	17	<	<	<	2	<	<	0.1	5	3	120	<	10	100	200	<	32	3	2	0.15	0.84	0.04	2.46	0.19	0.02	0.02	0.01
9700N 6450E	S	28	0.3	9	7	13	17	<	<	1	<	<	0.2	4	6	76	<	45	44	494	3	30	<	<	0.02	1.35	0.12	0.81	0.06	0.05	0.03	0.06
9700N 6475E	S	<	0.1	5	9	14	8	<	<	1	<	<	0.1	4	3	94	<	7	78	71	2	35	2	1	0.16	0.72	0.05	1.03	0.11	0.04	0.03	0.01
9700N 6500E	S	<	0.1	13	12	40	22	<	<	1	<	<	0.1	7	10	109	<	21	89	185	3	40	2	4	0.13	2.56	0.07	2.15	0.51	0.03	0.03	0.02
9700N 6525E	S	<	0.1	16	12	45	45	<	<	2	<	<	0.3	11	13	131	<	19	67	231	5	76	3	5	0.09	4.28	0.15	2.24	0.61	0.03	0.03	0.04
9700N 6550E	S	<	<	18	12	60	44	<	<	2	<	<	0.4	14	17	177	<	18	81	303	5	104	3	6	0.11	4.00	0.33	2.28	0.72	0.03	0.04	0.05
9700N 6625E	S	5	0.1	7	11	19	<	<	<	2	<	<	<	6	4	81	<	12	143	140	<	20	3	2	0.18	1.38	0.03	3.10	0.19	0.02	0.02	0.01
9700N 6675E	S	<	0.2	14	13	24	35	<	<	2	<	<	<	5	6	102	<	19	108	123	3	15	6	4	0.13	4.03	0.03	3.54	0.16	0.01	0.02	0.02
9700N 6700E	S	<	0.2	12	18	40	48	<	<	2	<	<	0.1	7	8	106	<	20	87	216	4	33	3	5	0.13	4.48	0.07	2.06	0.41	0.02	0.02	0.02
9700N 6725E	S	<	0.1	16	17	54	50	<	<	2	<	<	1.7	13	12	136	<	27	123	301	3	26	12	12	0.15	5.72	0.05	4.00	0.55	0.02	0.03	0.02
9700N 6750E	S	5	<	10	11	28	<	<	<	2	<	<	0.1	5	5	78	<	18	79	172	2	39	2	2	0.10	1.28	0.13	2.29	0.42	0.04	0.03	0.03
9700N 6775E	S	<	0.2	8	8	24	<	<	<	3	<	<	<	4	4	50	<	20	149	106	<	9	1	2	0.15	1.07	0.02	4.11	0.08	0.03	0.02	0.01
9700N 6800E	S	<	0.3	7	12	21	19	<	<	1	<	<	0.1	4	6	117	<	13	33	91	3	51	1	1	0.06	1.87	0.08	0.76	0.20	0.03	0.03	0.02
9700N 6825E	S	<	0.6	10	13	21	12	<	<	1	<	<	<	10	8	86	<	18	59	907	2	39	1	1	0.05	1.44	0.13	1.88	0.22	0.03	0.03	0.04
Min Limit		5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

-=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck mex1000 %=Estimate % NS=No Sample=Soil

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CERTIFICATE OF ANALYSIS
iPL 97J1057

Client : Misty Mountain Gold Ltd.
Project: Canyon Grid

142 Samples
142=Soil

[105715:02:51:79102897]

Out: Oct 24, 1997
In : Oct 21, 1997

Sample Name		Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
9700N 6850E	S	<	0.4	13	13	30	46	<	<	1	<	<	1.0	6	7	131	<	22	92	155	4	48	5	5	0.13	3.44	0.07	2.00	0.30	0.03	0.03	0.02
9700N 6875E	S	<	0.3	16	12	84	21	<	<	3	<	<	<	9	11	132	<	22	108	1124	2	56	1	4	0.10	2.69	0.13	3.28	0.63	0.03	0.04	0.02
9700N 6900E	S	<	0.3	12	67	69	29	<	<	1	<	<	0.1	13	11	125	<	19	63	501	2	53	1	3	0.09	2.48	0.14	1.75	0.60	0.05	0.03	0.03
9700N 6925E	S	5	0.3	13	11	66	26	<	<	2	<	<	<	10	15	186	<	21	135	341	3	65	1	5	0.11	3.19	0.17	4.07	0.80	0.04	0.04	0.03
9700N 7000E	S	22	0.3	26	16	63	21	<	<	3	<	<	<	14	12	114	<	26	176	404	2	15	11	7	0.22	3.69	0.05	5.28	0.56	0.04	0.03	0.02
9700N 7025E	S	26	0.3	49	27	84	64	<	<	2	<	<	<	17	17	130	<	36	173	378	2	19	20	13	0.19	6.98	0.05	5.60	0.65	0.03	0.03	0.01
9700N 7075E	S	36	0.3	4	6	13	7	<	<	<	<	<	0.2	3	2	19	<	5	89	58	2	3	4	1	0.10	0.34	0.02	0.39	0.03	0.09	0.02	0.01
9700N 7100E	S	58	0.3	13	7	24	<	<	<	2	<	<	<	4	3	49	<	14	127	259	<	7	3	3	0.14	0.66	0.05	2.62	0.17	0.07	0.03	0.03
9700N 7150E	S	52	0.6	34	15	44	40	<	<	1	<	<	<	23	5	59	<	20	171	4100	4	9	3	13	0.16	4.18	0.04	4.48	0.22	0.03	0.02	0.04
9700N 7175E	S	56	0.4	26	12	43	10	5	<	1	<	<	<	14	5	133	<	17	184	1714	3	20	2	7	0.18	1.90	0.14	4.09	0.42	0.05	0.02	0.03
9700N 7200E	S	30	0.3	41	12	62	35	<	<	1	<	<	<	19	11	110	<	23	158	4106	5	35	2	11	0.18	3.96	0.16	4.25	0.90	0.06	0.03	0.05
9700N 7250E	S	12	0.3	26	10	56	17	<	<	1	<	<	<	29	7	125	<	17	192	4180	4	23	2	7	0.21	2.22	0.25	4.50	0.71	0.07	0.02	0.05
9700N 7275E	S	7	0.3	21	15	48	30	<	<	2	<	<	<	12	8	83	<	21	158	480	3	26	4	7	0.18	3.77	0.13	4.46	0.43	0.03	0.03	0.02
9700N 7300E	S	86	1.4	24	14	69	27	<	<	2	<	<	<	13	9	94	<	19	147	611	4	24	2	7	0.22	3.33	0.15	3.32	0.47	0.04	0.03	0.03
9700N 7325E	S	11	0.2	24	16	39	48	<	<	2	<	<	<	8	8	149	<	25	157	220	4	46	8	9	0.19	5.36	0.06	4.61	0.29	0.03	0.03	0.02
9700N 7350E	S	30	0.3	29	19	53	65	7	<	1	<	<	<	14	11	152	<	25	134	442	5	36	14	14	0.21	5.78	0.10	3.96	0.70	0.04	0.03	0.03
9700N 7375E	S	9	0.4	31	14	49	15	<	<	2	<	<	<	13	9	128	<	20	142	633	5	31	2	6	0.18	2.68	0.23	3.81	0.64	0.07	0.03	0.02
9700N 7400E	S	7	0.3	41	16	66	23	<	<	2	<	<	<	14	14	124	<	28	144	465	4	53	2	7	0.22	3.20	0.31	3.87	1.19	0.06	0.04	0.02
9700N 7425E	S	<	0.8	14	9	16	20	<	<	<	<	<	0.5	1	3	81	<	11	15	57	5	33	1	1	0.02	1.28	0.39	0.18	0.10	0.02	0.03	0.04
9700N 7450E	S	<	0.5	20	8	25	11	<	<	6	<	<	0.5	1	3	58	<	8	26	43	2	16	1	2	0.02	0.67	0.15	0.47	0.08	0.05	0.03	0.04
9700N 7475E	S	<	0.4	7	10	36	6	<	<	1	<	<	0.6	1	3	94	<	4	12	236	3	57	1	1	0.01	0.37	0.94	0.23	0.16	0.04	0.04	0.05
9700N 7525E	S	10	0.4	14	12	28	28	<	<	1	<	<	0.5	5	6	119	<	16	87	415	4	50	1	2	0.06	2.01	0.31	1.06	0.39	0.03	0.03	0.03
9700N 7550E	S	41	0.3	22	13	61	31	<	<	2	<	<	0.3	13	12	137	<	29	97	489	4	65	5	9	0.21	3.03	0.41	2.29	1.11	0.04	0.04	0.03
9700N 7675E	S	12	0.7	19	16	27	57	<	<	2	<	<	<	10	5	33	<	24	204	491	<	7	9	10	0.22	4.97	0.08	3.28	0.69	0.02	0.02	0.02
9700N 7700E	S	84	0.7	17	18	27	<	<	<	1	<	<	<	8	7	70	<	26	214	219	2	15	3	4	0.23	1.59	0.06	4.56	0.36	0.04	0.02	0.02
Min Limit		5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck mex1000 %=Estimate % NS=No Sample S=Soil

INTERNATIONAL PLASMA LABORATORY LTD.

CERTIFICATE OF ANALYSIS
iPL 97J1058

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Misty Mountain Gold Ltd.

93 Samples Out: Oct 30, 1997 In: Oct 21, 1997 [105814:07:42:79103097]

Project : Feather Grid
Shipper : Ron Konst
Shipment: PO#:
Analysis:
Au(FA/AAS 20g) ICP(AqR)30

Comment:

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B111	93	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	OOM/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0312	FA/AAS	ppb	Au FA/AAS finish 20g	Gold	5	9999
02	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
03	0711	ICP	ppm	Cu ICP	Copper	1	20000
04	0714	ICP	ppm	Pb ICP	Lead	2	20000
05	0730	ICP	ppm	Zn ICP	Zinc	1	20000
06	0703	ICP	ppm	As ICP	Arsenic	5	9999
07	0702	ICP	ppm	Sb ICP	Antimony	5	999
08	0732	ICP	ppm	Hg ICP	Mercury	3	9999
09	0717	ICP	ppm	Mo ICP	Molybdenum	1	999
10	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
11	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
12	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
13	0710	ICP	ppm	Co ICP	Cobalt	1	9999
14	0718	ICP	ppm	Ni ICP	Nickel	1	9999
15	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
16	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
17	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
18	0729	ICP	ppm	V ICP	Vanadium	2	9999
19	0716	ICP	ppm	Mn ICP	Manganese	1	9999
20	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
21	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
22	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
23	0736	ICP	ppm	Sc ICP	Scandium	1	9999
24	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
25	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
26	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
27	0712	ICP	%	Fe ICP	Iron	0.01	9.99
28	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
29	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
30	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
31	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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Att: Ron Konst					

Ph:604/684-6365
Fx:604/684-8092
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INTERNATIONAL PLASMA LABORATORY LTD

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CERTIFICATE OF ANALYSIS
iPL 97J1058

Client : Misty Mountain Gold Ltd.
Project: Feather Grid

93 Samples
93-Soil

[105814:07:42:79103097]

Out: Oct 30, 1997
In : Oct 21, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
27300N 90500E S	<	0.1	27	15	51	75	<	<	1	<	<	<	8	10	69	<	18	137	243	4	14	3	6	0.09	4.82	0.07	4.78	0.62	0.03	0.02	0.03
27300N 90525E S	<	<	30	10	59	89	<	<	1	<	<	<	10	11	66	<	23	174	262	3	12	8	8	0.15	7.14	0.06	5.74	0.51	0.02	0.02	0.03
27300N 90550E S	<	<	6	9	22	21	<	<	2	<	<	<	6	4	27	<	12	235	121	2	16	1	2	0.21	1.25	0.08	4.57	0.20	0.03	0.03	0.01
27300N 90575E S	<	0.1	17	11	52	18	<	<	2	<	<	<	6	8	36	<	13	204	179	3	17	2	3	0.14	3.34	0.11	6.13	0.34	0.03	0.03	0.02
27300N 90600E S	<	<	13	12	44	12	<	<	2	<	<	<	7	8	36	<	14	161	251	3	20	2	4	0.13	2.49	0.13	4.38	0.57	0.03	0.03	0.02
27300N 90625E S	<	<	31	9	69	68	<	<	2	<	<	<	11	13	58	<	24	142	329	4	18	11	10	0.18	7.47	0.08	5.29	0.67	0.02	0.02	0.02
27300N 90650E S	<	<	22	8	62	62	<	<	1	<	<	0.5	11	11	66	<	18	107	286	5	33	3	7	0.15	5.14	0.15	2.78	0.59	0.03	0.03	0.03
27300N 90675E S	<	<	20	16	58	54	<	<	1	<	<	0.7	9	11	81	<	18	95	284	5	37	3	6	0.13	4.38	0.16	2.21	0.69	0.05	0.03	0.03
27300N 90700E S	<	<	15	11	46	39	<	<	1	<	<	0.2	7	9	69	<	13	92	215	3	30	1	4	0.12	2.91	0.12	1.58	0.53	0.03	0.03	0.02
27300N 90850E S	<	<	32	16	92	37	<	<	1	<	<	1.0	13	15	197	<	24	136	455	6	113	6	10	0.12	3.57	0.56	2.73	1.10	0.06	0.05	0.03
27300N 90875E S	<	<	35	11	74	58	<	<	<	<	<	0.6	14	15	173	<	22	116	398	6	93	4	10	0.12	4.56	0.35	2.76	0.99	0.04	0.04	0.04
27300N 90900E S	<	<	33	13	77	52	<	<	1	<	<	0.2	16	16	174	<	24	123	593	5	69	5	11	0.12	5.19	0.24	3.73	1.01	0.05	0.04	0.03
27300N 90925E S	<	<	45	14	79	25	<	<	1	<	<	2.5	19	15	182	<	21	129	1081	7	83	5	11	0.12	3.84	0.35	4.00	0.96	0.05	0.04	0.03
27300N 90950E S	<	<	35	13	88	48	<	<	1	<	<	0.1	17	17	219	<	23	136	713	7	114	6	11	0.13	4.23	0.45	4.20	1.12	0.05	0.04	0.03
27300N 91025E S	<	<	9	11	39	17	<	<	<	<	<	0.7	8	7	68	<	12	98	267	3	33	2	4	0.13	1.99	0.18	2.72	0.55	0.04	0.03	0.02
27300N 91050E S	<	<	25	12	57	49	<	<	1	<	<	<	11	11	52	<	23	160	341	3	15	5	6	0.18	4.73	0.09	4.38	0.72	0.03	0.03	0.02
27300N 91075E S	<	<	23	17	52	66	<	<	3	<	<	<	9	10	53	<	21	146	275	4	17	6	7	0.15	5.88	0.08	4.53	0.52	0.03	0.03	0.03
27300N 91100E S	<	<	17	8	36	32	<	<	3	<	<	<	7	7	55	<	16	171	234	2	21	2	5	0.15	3.58	0.09	4.39	0.35	0.02	0.03	0.02
27300N 91150E S	<	<	23	14	40	38	<	<	2	<	<	<	8	9	52	<	21	186	253	4	14	4	7	0.16	5.12	0.08	5.92	0.49	0.03	0.03	0.03
27300N 91175E S	<	<	19	15	30	70	<	<	2	<	<	<	6	8	52	<	20	112	305	4	12	5	6	0.10	5.84	0.06	4.78	0.30	0.02	0.02	0.03
27300N 91200E S	<	<	48	12	67	173	<	<	5	<	<	<	18	13	211	<	13	160	1207	5	44	4	12	0.14	7.77	0.24	6.17	0.98	0.08	0.05	0.06
27300N 91225E S	<	<	34	11	40	119	5	<	3	<	<	<	9	7	57	<	17	107	380	3	17	6	8	0.11	7.07	0.08	4.67	0.35	0.03	0.03	0.05
27300N 91250E S	5	<	24	12	41	87	<	<	3	<	<	<	8	8	51	<	19	127	330	6	14	8	10	0.11	6.26	0.08	5.14	0.44	0.04	0.03	0.04
27300N 91275E S	13	<	19	7	18	196	<	<	3	<	<	<	5	4	34	<	10	177	127	3	8	2	4	0.10	2.96	0.06	4.50	0.21	0.03	0.02	0.02
27300N 91300E S	<	<	95	13	59	157	<	<	3	<	<	0.3	12	15	134	<	18	89	296	9	44	5	10	0.10	8.52	0.46	3.10	0.78	0.12	0.06	0.07
27300N 91350E S	<	<	28	10	67	85	<	<	3	<	<	<	12	14	92	<	16	126	541	5	30	1	5	0.05	3.27	0.26	5.47	0.70	0.07	0.03	0.03
27300N 91375E S	<	<	15	3	51	28	<	<	2	<	<	<	11	12	116	<	17	104	607	3	22	1	4	0.06	2.73	0.20	5.44	0.79	0.06	0.03	0.02
27300N 91400E S	<	<	99	7	36	27	<	<	3	<	<	<	15	17	89	<	14	81	515	14	30	2	8	0.01	2.54	0.56	4.95	1.00	0.10	0.03	0.06
27300N 91425E S	8	<	49	6	72	27	<	<	2	<	<	0.1	12	11	148	<	15	71	429	8	51	2	7	0.03	2.50	0.72	3.45	1.02	0.11	0.05	0.04
27300N 91450E S	<	<	4	6	60	67	<	<	6	<	<	<	14	6	98	<	11	81	2708	4	19	1	3	0.01	2.02	0.35	4.75	0.62	0.07	0.03	0.02
27300N 91475E S	<	<	11	6	61	340	<	<	17	<	<	<	10	7	91	<	12	178	1136	4	25	1	2	0.02	2.51	0.35	11%	0.38	0.05	0.03	0.05
27300N 91500E S	<	<	8	4	15	116	<	<	3	<	<	<	2	2	14	<	3	58	221	<	4	<	1	<	0.87	0.05	6.01	0.04	0.04	0.01	0.02
27300N 91525E S	<	0.2	31	12	81	92	<	<	4	<	<	<	72	12	66	<	20	103	1728	5	11	8	12	0.03	5.27	0.07	9.00	0.33	0.04	0.02	0.04
27300N 91550E S	<	<	9	4	43	16	<	<	2	<	<	<	7	5	42	<	11	143	622	3	14	1	4	0.03	2.11	0.15	8.28	0.38	0.04	0.02	0.03
27300N 91575E S	<	0.1	10	6	43	<	<	<	3	<	<	<	19	4	63	<	11	134	2926	2	15	2	2	0.02	2.31	0.12	16%	0.23	0.01	0.02	0.04
27300N 91600E S	<	<	9	7	57	48	<	<	3	<	<	<	8	6	62	<	11	128	325	3	19	<	3	0.01	3.13	0.10	4.87	0.44	0.03	0.03	0.03
27300N 91650E S	<	<	18	9	80	44	<	<	2	<	<	0.6	27	10	67	<	17	56	469	6	21	<	2	0.03	3.32	0.12	2.50	0.37	0.05	0.03	0.03
27300N 91700E S	<	<	17	6	52	32	<	<	2	<	<	<	9	9	74	<	16	141	312	2	23	1	4	0.03	3.29	0.08	5.20	0.66	0.03	0.03	0.02
27300N 91725E S	<	0.2	24	10	70	33	<	<	2	<	<	<	16	8	103	<	16	137	689	3	31	2	6	0.02	3.67	0.25	5.36	1.00	0.11	0.07	0.02
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICATE OF ANALYSIS
iPL 97J1058

Client : Misty Mountain Gold Ltd.
Project: Feather Grid

93 Samples
93=Soil

[105814:07:42:79103097]

Out: Oct 30, 1997
In : Oct 21, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
27300N 91750E S	<	<	23	6	63	22	<	<	1	<	<	<	24	9	100	<	14	142	1419	3	44	2	6	0.03	2.90	0.33	5.44	0.98	0.09	0.08	0.04
27300N 91775E S	<	<	21	7	69	30	<	<	2	<	<	<	22	8	116	<	15	140	1293	3	39	1	6	0.03	2.94	0.29	6.14	1.18	0.11	0.07	0.04
27300N 91800E S	<	<	23	8	71	37	<	<	3	<	<	<	17	9	193	<	18	172	734	4	38	2	7	0.03	3.58	0.21	6.30	0.92	0.07	0.06	0.02
27300N 91900E S	6	0.1	49	10	76	46	<	<	1	<	<	<	16	17	171	<	32	143	390	9	68	4	12	0.11	3.07	0.58	4.31	1.03	0.05	0.07	0.04
27300N 91925E S	16	5.2	28	82	82	113	<	<	3	<	<	0.3	5	13	164	<	13	103	237	9	49	1	3	0.02	1.72	1.08	5.31	0.14	0.03	0.03	0.05
27300N 91975E S	6	<	10	10	25	66	<	<	2	<	<	0.6	7	10	30	<	32	118	203	6	18	4	9	0.13	4.60	0.14	2.45	0.60	0.04	0.03	0.02
27300N 92000E S	<	0.1	7	11	18	39	<	<	2	<	<	0.2	5	4	19	<	17	131	140	2	13	1	4	0.12	2.07	0.11	1.57	0.30	0.01	0.03	0.01
27600N 90500E S	<	<	2	8	6	13	<	<	<	<	<	0.2	2	1	53	<	5	22	42	3	22	1	1	0.05	0.72	0.04	0.22	0.05	0.04	0.02	0.01
27600N 90525E S	<	<	15	9	51	43	<	<	2	<	<	0.6	8	13	167	<	18	68	235	6	88	2	5	0.07	3.83	0.19	2.48	0.51	0.05	0.03	0.05
27600N 90550E S	<	0.1	8	11	31	18	<	<	<	<	<	0.4	5	7	73	<	12	64	169	3	36	2	3	0.10	1.77	0.11	2.26	0.32	0.04	0.03	0.02
27600N 90575E S	<	<	16	9	35	34	<	<	1	<	<	0.5	6	8	91	<	14	70	173	5	43	1	2	0.05	2.86	0.20	1.30	0.40	0.04	0.03	0.04
27600N 90600E S	8	0.2	16	12	47	44	<	<	2	<	<	<	7	11	128	<	19	118	185	3	21	4	5	0.10	4.04	0.07	3.74	0.40	0.02	0.03	0.01
27600N 90625E S	<	0.1	6	9	17	21	<	<	1	<	<	0.2	3	5	80	<	9	55	67	3	29	1	2	0.08	1.56	0.08	0.95	0.14	0.04	0.02	0.02
27600N 90675E S	<	<	26	14	55	55	<	<	1	<	<	0.1	9	10	104	<	21	145	244	5	33	3	7	0.11	4.68	0.18	3.15	0.61	0.04	0.03	0.04
27600N 90700E S	<	0.2	20	12	41	41	<	<	2	<	<	<	10	7	67	<	22	199	232	3	16	9	8	0.18	5.20	0.08	5.63	0.27	0.02	0.03	0.02
27600N 90725E S	<	<	20	12	43	58	<	<	2	<	<	<	8	8	67	<	22	149	200	3	18	8	9	0.15	5.17	0.08	4.47	0.31	0.02	0.03	0.02
27600N 90750E S	<	<	45	15	99	36	<	<	2	<	<	0.1	20	14	171	<	24	137	851	8	101	6	14	0.15	3.72	0.67	4.47	1.26	0.08	0.06	0.03
27600N 90775E S	<	<	8	17	26	12	<	<	1	<	<	0.1	6	6	51	<	14	186	156	2	18	2	3	0.17	1.94	0.08	3.75	0.34	0.02	0.03	0.01
27600N 90800E S	<	<	31	15	64	82	<	<	1	<	<	0.6	10	11	60	<	23	125	325	5	24	4	8	0.13	6.50	0.15	2.77	0.63	0.02	0.03	0.05
27600N 90825E S	<	<	10	18	32	16	<	<	1	<	<	0.5	8	6	39	<	13	112	265	3	18	2	4	0.16	1.87	0.12	2.23	0.52	0.04	0.03	0.02
27600N 90850E S	<	0.2	26	10	41	38	<	<	1	<	<	<	12	19	24	<	27	174	292	2	14	16	5	0.22	3.96	0.11	4.89	0.57	0.03	0.03	0.03
27600N 90875E S	9	0.1	5	17	21	13	<	<	1	<	<	0.6	7	4	30	<	8	269	174	2	14	2	3	0.22	1.56	0.12	2.77	0.28	0.03	0.03	0.01
27600N 90900E S	<	0.2	6	15	20	14	<	<	1	<	<	0.5	4	3	45	<	9	111	129	4	20	1	2	0.09	1.78	0.10	2.46	0.21	0.04	0.02	0.01
27600N 90975E S	<	0.2	10	9	25	38	<	<	2	<	<	0.3	4	6	69	<	13	49	140	4	28	<	2	0.05	2.27	0.22	1.03	0.33	0.04	0.03	0.03
27600N 91000E S	<	0.5	8	8	34	12	<	<	<	<	<	0.3	1	4	33	<	9	23	64	2	25	<	1	0.02	0.67	0.33	0.51	0.11	0.02	0.03	0.05
27600N 91025E S	<	<	8	12	19	25	<	<	1	<	<	0.1	4	5	38	<	9	76	111	3	14	1	2	0.15	1.70	0.08	1.25	0.21	0.03	0.02	0.02
27600N 91050E S	<	<	13	10	33	14	<	<	2	<	<	<	7	6	40	<	19	185	201	3	9	5	4	0.18	3.02	0.05	6.37	0.39	0.03	0.02	0.02
27600N 91125E S	<	<	12	15	32	14	<	<	2	<	<	<	6	7	41	<	13	153	138	4	11	2	3	0.10	2.44	0.05	4.16	0.25	0.04	0.02	0.01
27600N 91150E S	<	<	26	12	54	53	<	<	2	<	<	<	9	10	59	<	22	141	264	3	14	9	8	0.13	5.06	0.06	4.75	0.50	0.03	0.02	0.02
27600N 91175E S	<	<	26	12	50	45	<	<	<	<	<	<	9	12	63	<	17	156	290	3	19	3	5	0.13	4.29	0.13	4.54	0.53	0.02	0.04	0.03
27600N 91200E S	<	<	27	10	50	82	<	<	2	<	<	<	9	10	53	<	17	170	302	4	22	2	5	0.11	3.90	0.11	3.82	0.61	0.03	0.03	0.03
27600N 91225E S	18	<	18	8	32	18	<	<	1	<	<	<	5	6	36	<	12	174	210	2	11	1	3	0.05	2.62	0.05	4.85	0.24	0.02	0.02	0.02
27600N 91250E S	<	<	27	15	60	56	<	<	1	<	<	<	11	9	35	<	22	165	651	4	10	4	7	0.11	5.60	0.06	5.31	0.39	0.03	0.02	0.04
27600N 91275E S	9	<	25	12	37	33	<	<	1	<	<	<	6	6	48	<	14	151	230	4	13	3	6	0.14	4.52	0.11	6.11	0.43	0.05	0.04	0.03
27600N 91300E S	<	<	25	10	69	58	<	<	3	<	<	<	23	11	61	<	20	142	736	6	27	2	9	0.13	4.93	0.13	4.37	0.66	0.03	0.03	0.03
27600N 91325E S	<	<	24	9	64	52	<	<	1	<	<	0.1	14	9	73	<	17	121	444	6	34	3	7	0.12	4.79	0.19	3.98	0.68	0.04	0.04	0.03
27600N 91350E S	<	<	16	12	56	38	<	<	1	<	<	0.4	11	9	76	<	16	113	421	4	19	3	4	0.11	3.83	0.07	3.68	0.51	0.04	0.03	0.02
27600N 91425E S	<	<	5	9	22	<	<	<	2	<	<	<	5	3	32	<	7	177	250	3	11	1	2	0.10	1.71	0.06	4.70	0.37	0.03	0.02	0.01
27600N 91450E S	<	<	20	8	33	50	<	<	2	<	<	<	10	8	41	<	23	145	227	4	8	7	7	0.15	4.98	0.05	5.37	0.43	0.03	0.02	0.02
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICATE ANALYSIS
iPL 97J1058

Client : Misty Mountain Gold Ltd.
Project: Feather Grid

93 Samples
93=Soil

[105814:07:42:79103097]

Out: Oct 30, 1997
In : Oct 21, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
27600N 91475E S	<	<	20	13	66	43	<	<	1	<	<	0.5	14	13	85	<	16	111	304	3	30	2	4	0.12	3.32	0.16	2.65	0.79	0.04	0.03	0.02
27600N 91500E S	8	<	17	9	50	42	<	<	1	<	<	0.3	8	8	52	<	12	118	217	3	15	1	4	0.11	3.11	0.07	2.72	0.51	0.03	0.02	0.01
27600N 91525E S	<	<	14	9	44	41	<	<	1	<	<	<	6	8	39	<	16	168	204	3	13	2	3	0.09	3.75	0.07	4.37	0.41	0.03	0.02	0.02
27600N 91550E S	<	<	8	7	32	16	<	<	<	<	<	<	5	6	29	<	9	199	193	3	10	1	2	0.06	2.22	0.06	4.91	0.36	0.04	0.02	0.01
27600N 91575E S	<	<	20	9	43	44	<	<	1	<	<	<	7	7	33	<	20	225	189	3	7	6	6	0.11	4.83	0.03	6.60	0.18	0.01	0.02	0.01
27600N 91600E S	<	<	23	9	33	21	<	<	2	<	<	<	6	5	37	<	12	193	160	3	7	2	4	0.02	2.70	0.03	5.17	0.18	0.02	0.02	0.02
27600N 91625E S	<	<	23	10	65	30	<	<	1	<	<	<	23	9	117	<	13	133	1577	4	43	1	5	0.02	2.81	0.39	4.83	0.89	0.12	0.07	0.03
27600N 91650E S	<	0.1	13	<	32	8	<	<	1	<	<	<	3	3	24	<	6	184	122	2	3	1	1	0.03	1.25	0.01	3.71	0.06	0.02	0.02	0.01
27600N 91675E S	<	0.1	13	6	36	14	<	<	2	<	<	<	4	4	29	<	10	161	189	2	10	1	2	0.03	1.99	0.08	4.75	0.37	0.04	0.02	0.02
27600N 91775E S	<	<	6	9	10	11	<	<	<	<	<	0.4	2	4	45	<	6	16	100	4	26	1	1	0.01	0.48	0.51	0.22	0.11	0.02	0.03	0.02
27600N 91875E S	10	0.2	3	14	30	5	<	<	<	<	<	0.3	1	1	37	<	2	8	46	2	29	<	<	<	0.24	0.50	0.23	0.11	0.02	0.03	0.02
27600N 91925E S	10	<	5	8	19	17	<	<	1	<	<	<	4	3	34	<	8	72	82	2	15	1	1	0.13	1.08	0.06	1.20	0.14	0.03	0.02	0.01
27600N 91950E S	<	<	24	11	58	85	<	<	1	<	<	<	10	12	58	<	33	135	215	3	12	12	10	0.13	7.17	0.05	5.68	0.40	0.03	0.02	0.02
27600N 91975E S	12	<	18	9	51	68	<	<	2	<	<	<	7	9	58	<	29	125	207	3	11	8	6	0.11	5.72	0.04	4.75	0.32	0.02	0.02	0.01
27600N 92000E S	<	<	6	9	16	6	<	<	<	<	<	0.2	4	3	16	<	8	132	119	3	7	1	1	0.12	0.80	0.04	1.82	0.11	0.03	0.02	0.01
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICATE ANALYSIS
iPL 97J1093

Misty Mountain Gold Ltd.

Project : Feather Grid
Shipper : Ron Konst
Shipment: PO#:
Analysis:
Au(FA/AAS 20g) ICP(AqR)30

Comment:

91 Samples Out: Nov 03, 1997 In: Oct 29, 1997 [109316:22:29:79110597]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B111	91	Soil	Dry & sift to -80 mesh, discard reject.	12M/Dis	00M/Dis

NS=No Sample Rep=Replicate M=Month Dis=Discard

Document Distribution

1 Misty Mountain Gold Ltd.
1020 - 800 West Pender Street
Vancouver
B.C. V6C 2V6
Canada
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DL	3D	EM	BT	BL
0	0	1	0	1

Ph:604/684-6365
Fx:604/684-8092
Em:AllanE@hdgold.com

DUPLICATE

Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0312	FA/AAS	ppb	Au FA/AAS finish 20g	Gold	5	9999
02	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
03	0711	ICP	ppm	Cu ICP	Copper	1	20000
04	0714	ICP	ppm	Pb ICP	Lead	2	20000
05	0730	ICP	ppm	Zn ICP	Zinc	1	20000
06	0703	ICP	ppm	As ICP	Arsenic	5	9999
07	0702	ICP	ppm	Sb ICP	Antimony	5	999
08	0732	ICP	ppm	Hg ICP	Mercury	3	9999
09	0717	ICP	ppm	Mo ICP	Molydenum	1	999
10	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
11	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
12	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
13	0710	ICP	ppm	Co ICP	Cobalt	1	9999
14	0718	ICP	ppm	Ni ICP	Nickel	1	9999
15	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
16	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
17	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
18	0729	ICP	ppm	V ICP	Vanadium	2	9999
19	0716	ICP	ppm	Mn ICP	Manganese	1	9999
20	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
21	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
22	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
23	0736	ICP	ppm	Sc ICP	Scandium	1	9999
24	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
25	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
26	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
27	0712	ICP	%	Fe ICP	Iron	0.01	9.99
28	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
29	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
30	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
31	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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DL=Download 3D=3½ Disk EM=E-Mail BT=BBS Type BL=BBS(1=Yes 0=No) ID=C008501
* Our liability is limited solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

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CERTIFICATE OF ANALYSIS
iPL 97J1093

Client : Misty Mountain Gold Ltd.
Project: Feather Grid

91 Samples
91=Soil

[109316:22:29:79110597]

Out: Nov 03, 1997
In : Oct 29, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Tl %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
26700N 90500E S	<	0.1	23	11	69	31	<	<	2	<	<	<	9	10	76	<	21	125	257	3	24	10	7	0.11	4.35	0.10	4.28	0.43	0.03	0.03	0.01
26700N 90525E S	<	<	14	14	37	25	<	<	2	<	<	<	5	6	42	<	18	125	133	3	11	8	5	0.10	5.28	0.03	4.85	0.17	0.01	0.02	0.02
26700N 90550E S	<	<	19	9	68	10	<	<	1	<	<	<	4	4	23	<	11	132	262	2	8	2	2	0.01	2.91	0.04	4.74	0.17	0.02	0.02	0.02
26700N 90575E S	<	0.3	10	9	20	<	<	<	1	<	<	<	4	3	30	<	8	86	121	2	15	1	2	0.08	0.84	0.11	1.41	0.18	0.03	0.03	0.01
26700N 90600E S	<	<	9	8	20	<	<	<	1	<	<	<	5	3	30	<	8	186	133	2	11	1	2	0.15	0.86	0.05	2.96	0.14	0.02	0.02	0.01
26700N 90625E S	<	0.2	13	14	45	31	<	<	2	<	<	0.2	9	6	49	<	15	95	516	4	15	2	3	0.07	4.62	0.09	2.93	0.29	0.02	0.03	0.03
26700N 90650E S	<	0.1	17	12	48	21	<	<	1	<	<	<	6	7	45	<	17	178	175	2	9	6	6	0.08	5.14	0.03	6.18	0.22	0.01	0.03	0.02
26700N 90675E S	<	<	19	14	40	35	<	<	2	<	<	<	8	9	55	<	20	147	220	3	20	9	6	0.14	5.07	0.08	4.48	0.38	0.02	0.03	0.02
26700N 90700E S	6	<	25	15	55	49	<	<	1	<	<	0.2	10	10	67	<	17	100	259	5	26	4	6	0.12	5.72	0.10	2.78	0.60	0.03	0.03	0.03
26700N 90725E S	5	<	7	4	17	<	<	<	1	<	<	<	5	3	51	<	6	53	241	2	28	1	1	0.09	1.04	0.07	1.28	0.20	0.02	0.03	0.01
26700N 90750E S	<	<	9	10	34	7	<	<	2	<	<	<	5	6	68	<	11	102	198	<	27	1	2	0.12	1.48	0.11	1.95	0.42	0.03	0.03	0.01
26700N 90775E S	60	<	13	9	48	18	<	<	1	<	<	<	9	8	85	<	12	81	273	2	43	1	3	0.09	2.38	0.14	1.90	0.45	0.02	0.03	0.02
26700N 90800E S	5	<	24	16	41	37	<	<	2	<	<	<	8	9	87	<	23	113	237	2	20	12	9	0.14	5.55	0.06	4.36	0.46	0.01	0.03	0.01
26700N 90825E S	<	<	13	9	23	<	<	<	2	<	<	<	5	4	35	<	17	272	129	2	7	5	4	0.17	2.49	0.03	5.45	0.13	0.01	0.02	0.01
26700N 90875E S	<	<	5	6	28	<	<	<	1	<	<	<	5	4	53	<	7	86	334	3	41	1	2	0.05	1.17	0.10	3.74	0.20	0.02	0.03	0.02
26700N 90950E S	<	<	4	2	73	<	<	<	4	<	<	<	6	7	58	<	12	146	564	<	29	1	3	0.05	2.50	0.30	9.34	0.58	<	0.03	0.03
26700N 90975E S	<	<	20	14	66	34	<	<	2	<	<	<	11	11	74	<	19	134	269	3	34	3	5	0.13	4.08	0.27	3.01	0.72	0.03	0.04	0.02
26700N 91000E S	<	<	27	11	83	111	<	<	2	<	<	<	16	23	244	<	21	112	602	3	80	3	8	0.12	3.37	0.54	3.85	0.92	0.05	0.05	0.02
26700N 91025E S	5	0.1	18	13	39	19	<	<	2	<	<	<	8	9	46	<	15	160	186	3	16	3	3	0.19	2.45	0.06	4.32	0.32	0.02	0.03	0.02
26700N 91050E S	<	0.1	29	19	76	52	<	<	2	<	<	<	12	15	82	<	21	131	261	3	18	11	8	0.14	5.56	0.07	4.36	0.49	0.02	0.03	0.01
26700N 91075E S	<	0.1	29	18	76	62	<	<	2	<	<	<	9	10	57	<	19	92	166	3	18	13	7	0.12	6.36	0.05	3.80	0.30	0.02	0.03	0.01
26700N 91100E S	5	0.1	23	13	40	38	<	3	2	<	<	<	8	7	44	<	19	152	209	2	17	9	6	0.19	4.79	0.09	5.63	0.37	0.01	0.03	0.02
26700N 91125E S	<	0.1	13	12	34	9	<	<	2	<	<	<	6	7	43	<	9	152	216	3	17	2	3	0.13	2.04	0.10	4.20	0.38	0.03	0.03	0.02
26700N 91150E S	<	0.1	34	16	39	44	<	<	6	<	<	<	9	8	65	<	14	164	257	2	27	4	4	0.18	2.73	0.17	4.34	0.40	0.01	0.04	0.02
26700N 91175E S	<	<	20	11	33	20	<	<	2	<	<	<	7	6	45	<	12	121	278	2	25	2	3	0.12	2.58	0.18	3.56	0.30	0.01	0.03	0.03
26700N 91200E S	5	0.2	20	15	28	38	<	<	2	<	<	<	7	7	46	<	11	152	215	3	15	3	3	0.17	2.12	0.08	4.29	0.25	0.01	0.02	0.02
26700N 91225E S	<	<	26	18	55	39	<	<	3	<	<	<	13	8	66	<	17	122	421	3	19	6	6	0.15	4.43	0.10	4.23	0.29	0.02	0.03	0.04
26700N 91250E S	<	0.2	26	17	50	35	<	<	2	<	<	<	13	8	54	<	15	136	571	3	18	2	5	0.13	3.98	0.09	4.14	0.49	0.02	0.03	0.04
26700N 91275E S	<	0.2	27	19	60	32	<	<	2	<	<	<	9	9	69	<	17	113	328	4	20	5	6	0.12	4.62	0.08	4.06	0.41	0.02	0.03	0.03
26700N 91300E S	<	0.1	24	20	49	49	<	<	4	<	<	<	8	10	80	<	18	122	231	3	24	4	6	0.13	4.70	0.09	4.34	0.41	0.01	0.03	0.03
26700N 91325E S	<	0.2	27	21	48	33	<	<	3	<	<	<	10	10	74	<	21	119	359	3	23	5	5	0.12	4.33	0.09	4.51	0.35	0.01	0.04	0.03
26700N 91350E S	<	0.2	21	14	31	20	<	<	3	<	<	<	8	8	51	<	14	143	208	4	18	3	5	0.12	3.10	0.11	5.49	0.26	0.02	0.03	0.03
26700N 91375E S	<	0.2	41	22	56	78	<	4	2	<	<	<	10	12	58	<	30	121	243	3	18	11	9	0.14	6.65	0.09	4.96	0.31	0.02	0.03	0.03
26700N 91400E S	<	0.5	43	13	51	66	<	<	3	<	<	<	10	8	45	<	20	111	247	6	22	7	6	0.10	4.45	0.24	4.63	0.40	0.03	0.04	0.04
26700N 91450E S	<	0.1	35	8	32	309	<	<	3	<	<	<	7	11	39	<	32	113	154	5	16	3	5	0.06	4.01	0.07	5.75	0.33	0.02	0.03	0.03
26700N 91475E S	<	<	15	6	35	13	<	<	2	<	<	0.1	8	8	75	<	14	140	197	2	35	2	3	0.14	1.58	0.12	2.87	0.27	0.03	0.04	0.02
26700N 91500E S	<	0.2	24	12	38	40	<	<	2	<	<	<	10	10	96	<	24	165	303	3	36	14	7	0.18	5.39	0.12	5.79	0.56	0.02	0.03	0.02
26700N 91525E S	<	0.1	13	14	35	46	<	<	3	<	<	<	7	7	105	<	18	128	129	3	30	10	6	0.13	5.42	0.06	4.36	0.27	0.03	0.03	0.03
26700N 91550E S	<	0.3	16	12	35	27	<	<	2	<	<	<	7	6	88	<	18	188	170	3	36	10	4	0.16	4.68	0.08	5.92	0.26	0.02	0.03	0.02
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICATE (ANALYSIS
iPL 97J1093

Client : Misty Mountain Gold Ltd.
Project: Feather Grid

91 Samples
91=Soil

[109316:22:29:79110597]

Out: Nov 03, 1997
In : Oct 29, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
26700N 91575E S	<	0.2	17	14	39	12	<	<	4	<	<	<	9	8	70	<	21	234	185	2	22	11	6	0.20	4.59	0.05	6.23	0.24	0.01	0.03	0.02
26700N 91600E S	<	0.4	20	13	41	29	<	<	1	<	<	<	9	7	54	<	23	193	274	3	22	11	6	0.16	6.31	0.10	6.12	0.34	0.01	0.03	0.03
26700N 91625E S	<	<	15	6	25	49	<	<	3	<	<	<	7	8	27	<	25	195	177	<	10	3	4	0.16	2.16	0.07	5.52	0.29	0.01	0.03	0.03
26700N 91650E S	<	<	12	7	28	12	<	<	2	<	<	<	7	5	54	<	11	174	181	2	25	2	3	0.17	1.28	0.16	2.78	0.24	0.02	0.03	0.01
26700N 91675E S	<	0.1	20	13	37	53	<	<	3	<	<	<	7	8	38	<	27	111	188	3	15	10	6	0.14	5.63	0.07	4.30	0.37	0.02	0.03	0.02
26700N 91700E S	<	<	13	12	63	28	<	<	2	<	<	<	10	11	107	<	35	89	233	5	18	6	6	0.14	4.09	0.08	4.14	0.72	0.03	0.03	0.01
26700N 91825E S	5	0.2	6	5	13	11	<	<	2	<	<	<	4	3	31	<	8	82	82	3	16	1	1	0.11	0.93	0.09	1.06	0.11	0.03	0.02	0.02
26700N 91850E S	<	0.4	20	16	29	57	<	<	3	<	<	<	6	6	31	<	35	138	147	2	11	16	9	0.12	6.78	0.04	5.27	0.17	0.01	0.02	0.03
26700N 91875E S	<	0.1	19	9	36	22	<	<	2	<	<	<	8	8	41	<	16	176	196	2	13	3	4	0.12	2.39	0.06	5.26	0.35	0.02	0.03	0.01
26700N 91900E S	<	0.2	22	10	49	94	<	<	1	<	<	<	8	8	42	<	30	124	180	3	10	9	8	0.11	7.04	0.04	4.94	0.26	0.01	0.02	0.03
26700N 91925E S	<	<	20	7	31	42	<	<	2	<	<	<	9	8	26	<	22	204	206	2	14	4	4	0.16	3.15	0.11	6.05	0.40	0.01	0.03	0.02
26700N 91950E S	<	<	11	12	14	23	<	<	2	<	<	<	4	6	80	<	20	106	102	4	67	1	3	0.07	2.40	0.09	1.77	0.27	0.02	0.03	0.03
26700N 91975E S	<	0.1	19	11	34	29	<	<	1	<	<	<	7	8	38	<	27	106	182	4	14	11	6	0.12	5.74	0.07	4.53	0.35	0.02	0.03	0.02
26700N 92000E S	<	0.1	19	6	32	11	<	<	2	<	<	<	7	8	38	<	18	178	236	3	16	3	3	0.11	2.38	0.07	4.37	0.27	0.02	0.03	0.03
27000N 90525E S	<	<	4	4	41	7	<	<	2	<	<	<	13	3	47	<	10	105	2657	3	22	2	2	0.08	1.40	0.22	4.19	0.34	0.02	0.03	0.01
27000N 90550E S	6	<	23	16	48	46	<	<	2	<	<	0.2	9	11	97	<	21	84	240	6	49	3	5	0.09	5.27	0.17	2.33	0.59	0.03	0.04	0.04
27000N 90575E S	<	<	15	10	59	41	<	<	3	<	<	<	17	9	62	<	17	113	654	4	36	1	3	0.10	2.99	0.36	3.57	0.58	0.02	0.03	0.03
27000N 90625E S	<	0.2	6	<	39	158	<	<	4	<	<	<	13	1	43	<	10	211	3276	<	20	4	1	0.03	1.84	0.23	20%	0.10	<	0.02	0.05
27000N 90675E S	<	0.3	29	15	68	55	5	<	2	<	<	<	11	12	75	<	25	129	548	3	21	8	9	0.13	6.89	0.08	4.45	0.53	0.01	0.02	0.02
27000N 90700E S	<	<	26	16	53	48	<	<	3	<	<	<	10	10	58	<	21	96	428	2	16	7	5	0.09	6.17	0.06	4.69	0.43	0.01	0.03	0.02
27000N 90800E S	<	<	28	12	45	46	<	<	2	<	<	<	9	9	56	<	20	194	281	2	11	6	7	0.15	4.66	0.07	6.07	0.52	0.02	0.03	0.02
27000N 90850E S	<	<	10	7	14	11	<	<	3	<	<	<	3	3	25	<	11	141	105	3	6	2	2	0.08	2.05	0.05	4.97	0.16	0.02	0.02	0.01
27000N 90875E S	<	<	28	18	40	81	<	<	3	<	<	<	7	7	51	<	26	157	190	4	12	11	13	0.13	6.39	0.05	4.75	0.35	0.02	0.02	0.02
27000N 90925E S	<	<	29	14	47	149	<	<	2	<	<	0.2	9	9	60	<	23	130	253	6	20	11	11	0.15	7.63	0.12	2.90	0.58	0.02	0.03	0.03
27000N 90975E S	<	<	17	9	36	212	<	<	3	<	<	<	9	6	37	<	21	205	239	2	16	9	5	0.19	4.33	0.11	6.79	0.45	0.03	0.03	0.02
27000N 91000E S	<	<	9	10	23	68	<	<	2	<	<	<	5	5	38	<	12	143	143	2	13	2	3	0.12	2.17	0.07	3.59	0.32	0.04	0.03	0.02
27000N 91050E S	30	<	9	12	30	40	<	<	1	<	<	<	7	7	44	<	11	87	217	3	33	1	3	0.12	2.03	0.20	1.97	0.57	0.02	0.04	0.02
27000N 91075E S	<	<	13	12	28	32	<	<	1	<	<	<	6	4	74	<	12	62	159	4	22	1	3	0.07	1.72	0.10	1.76	0.39	0.09	0.04	0.02
27000N 91125E S	150	<	16	9	19	26	<	<	1	<	<	0.1	2	4	36	<	10	38	92	3	16	<	<	0.02	1.21	0.10	0.59	0.20	0.03	0.03	0.04
27000N 91150E S	<	<	13	14	35	52	<	<	2	<	<	0.1	7	8	54	<	15	115	290	2	32	1	3	0.12	2.12	0.15	2.29	0.82	0.04	0.04	0.03
27000N 91175E S	<	<	17	11	36	50	<	<	1	<	<	<	10	13	50	<	19	97	228	3	23	2	3	0.13	2.44	0.20	1.82	0.86	0.02	0.04	0.03
27000N 91200E S	<	<	12	9	22	50	<	<	1	<	<	<	3	4	60	<	11	64	108	3	31	1	1	0.08	1.68	0.14	0.99	0.30	0.03	0.03	0.03
27000N 91250E S	12	<	10	13	34	24	<	<	2	<	<	0.1	6	7	79	<	11	116	168	3	34	1	2	0.11	2.12	0.14	2.53	0.38	0.03	0.03	0.02
27000N 91350E S	<	<	43	11	37	20	<	<	2	<	<	<	11	15	99	<	24	171	234	3	29	6	7	0.20	4.17	0.21	5.22	0.55	0.04	0.06	0.04
27000N 91375E S	<	<	15	9	31	33	<	<	2	<	<	0.1	5	8	68	<	22	64	179	5	40	1	2	0.06	3.12	0.24	1.44	0.53	0.05	0.05	0.06
27000N 91400E S	<	<	13	10	22	36	<	<	4	<	<	0.2	5	6	71	<	24	109	125	4	22	2	5	0.10	3.05	0.14	2.14	0.42	0.05	0.04	0.02
27000N 91425E S	<	<	13	7	33	125	<	<	6	<	<	<	7	7	79	<	17	168	193	2	25	2	4	0.11	3.26	0.28	4.50	0.46	0.08	0.07	0.01
27000N 91450E S	<	<	15	14	27	61	<	<	4	<	<	<	6	5	32	<	31	166	165	3	13	14	6	0.16	5.62	0.04	6.43	0.18	0.02	0.02	0.02
27000N 91475E S	<	<	13	9	13	19	<	<	2	<	<	<	3	4	27	<	12	109	83	2	7	2	3	0.10	2.01	0.07	2.29	0.15	0.01	0.02	0.01
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

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CERTIFICATE OF ANALYSIS
iPL 97J1093

Client : Misty Mountain Gold Ltd.
Project: Feather Grid

91 Samples
91=Soil

[109316:22:29:79110597]

Out: Nov 03, 1997
In : Oct 29, 1997

Sample Name	Au ppb	Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
27000N 91500E S	<	0.2	18	11	32	30	<	<	2	<	<	<	7	6	40	<	24	144	178	2	14	10	5	0.16	5.75	0.06	4.99	0.25	0.01	0.03	0.02
27000N 91525E S	<	0.1	15	7	31	11	<	<	3	<	<	<	8	7	62	<	18	202	222	2	19	7	4	0.21	3.74	0.06	6.14	0.30	0.01	0.03	0.02
27000N 91550E S	<	0.2	20	6	37	<	<	<	3	<	<	<	9	7	94	<	23	294	196	2	26	10	5	0.24	3.96	0.04	8.02	0.16	0.01	0.03	0.02
27000N 91575E S	<	0.2	15	11	34	96	9	5	2	<	<	<	7	7	60	<	29	128	172	2	27	27	10	0.17	11%	0.10	6.03	0.29	0.02	0.03	0.03
27000N 91600E S	<	<	15	8	34	<	<	<	1	<	<	<	7	5	78	<	15	203	224	3	25	3	3	0.14	2.35	0.06	4.12	0.25	0.03	0.03	0.01
27000N 91625E S	<	<	19	4	37	<	<	<	2	<	<	<	10	5	32	<	15	248	266	<	19	4	2	0.23	1.65	0.12	5.80	0.25	0.02	0.03	0.02
27000N 91700E S	<	<	14	11	32	<	<	<	3	<	<	<	6	5	48	<	18	217	167	3	19	6	4	0.13	3.09	0.05	5.49	0.22	0.02	0.03	0.01
27000N 91750E S	<	<	10	3	26	<	<	<	1	<	<	<	7	5	81	<	8	166	243	2	67	3	2	0.17	0.99	0.10	3.12	0.29	0.04	0.04	0.02
27000N 91775E S	<	<	10	4	30	<	<	<	3	<	<	<	8	6	44	<	18	232	222	2	14	2	2	0.16	1.01	0.03	4.52	0.14	0.03	0.02	0.01
27000N 91800E S	<	<	9	<	27	<	<	<	2	<	<	<	7	6	25	<	12	195	212	<	9	2	1	0.09	0.78	0.02	3.68	0.17	0.02	0.02	0.01
27000N 91900E S	<	<	11	8	27	18	<	<	2	<	<	<	6	6	76	<	19	153	137	2	18	7	4	0.12	3.98	0.04	4.62	0.13	0.01	0.02	0.02
27000N 91925E S	<	0.1	19	9	35	19	<	<	3	<	<	<	6	5	81	<	19	181	165	2	19	9	4	0.14	4.23	0.05	5.54	0.15	0.01	0.03	0.03
27000N 91975E S	<	<	3	5	10	<	<	<	1	<	<	<	4	3	28	<	15	37	328	2	25	1	2	0.07	0.66	0.17	1.25	0.29	0.05	0.04	0.02
Min Limit	5	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*	9999	99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method	FA/A	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No SampleS=Soil

APPENDIX IV

A GEOPHYSICAL ASSESSMENT REPORT ON AN INDUCED POLARIZATION SURVEY ON THE HARMONY GOLD PROJECT QUEEN CHARLOTTE ISLANDS BRITISH COLUMBIA

SKEENA MINING DIVISION

LONGITUDE 132°20'W

LATITUDE 53°32'N
NTS 103F/7,8,9 & 15

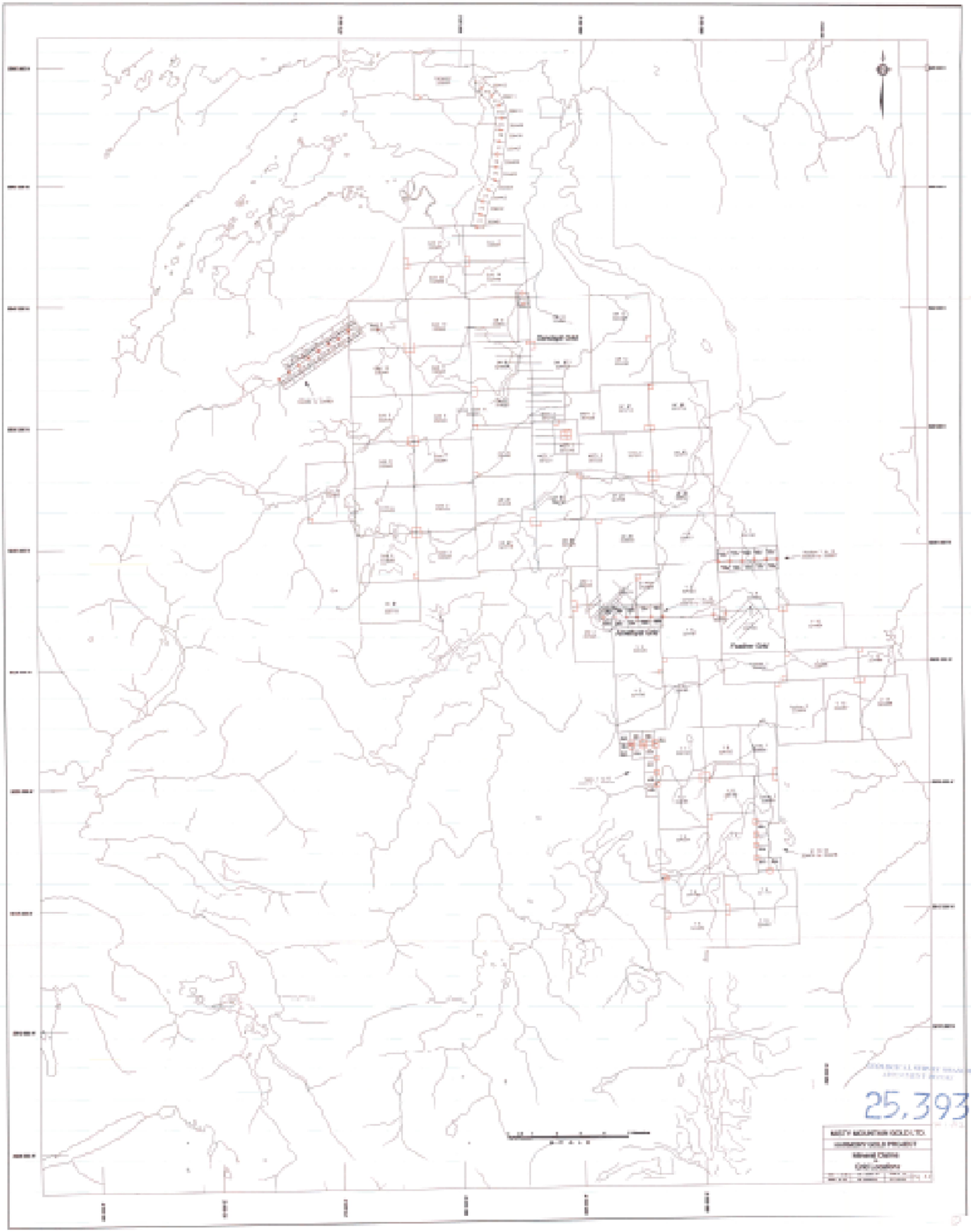
BY

Daniel A. Klit, B.Sc.

LLOYD GEOPHYSICS INC.

JANUARY, 1998

THIS DOCUMENT IS BOUND SEPARATELY AS VOLUME II


25,393
Mineral Claims
Grid Locations

Gold 13
332947

Gold 14
332948

Gold 22
332956

Gold 10
332944

Gold 11
332945

Gold 6
332940

Gold 7
332941

GW 9
334640

GW 10
334641

GW 8
324494

GW #7
324493

GW #6
324492

GW 13
324499

GW #11
324497

GW 12
324498

Sandspit
Grid

MISTY 1
357218

MISTY 2
357219

MISTY 3
357220

MISTY 5
357222

NF #7
323713

Legend
Au / ppb
● 0 to 30
○ 30 plus

(metres)
0 100 250 500 1000
SCALE
Contour Interval 20m

MISTY MOUNTAIN GOLD LIMITED
Harmony Gold Project
Soil Gold Geochemistry and IP Gridlines Sanspit Grid (2)
DATE: January 30, 1998 | FILE: sandspit_B&W.WOR
SCALE 1:20 000 | MAP DATUM: NAD 83 | Figure 4.1

GW #4
324029

GW #5
324030

V 4
324021

Amethyst Grid

V1
324019

QTZ 1
357224

QTZ 2
357225

Claim Boundary

Branch 141C Logging Road

Cut Grid Lines

Canyon Grid

El Ninio
252959

Pre 1980 Seismic Line

Sandspit Fault Trace from Pezzot (1997)

Canyon 8
333025

Canyon 6
333023

Canyon 4
333021

Canyon 2
333019

Canyon 10
333027

Canyon 9
333026

Canyon 7
333024

Canyon 5
333022

Canyon 3
333020

Canyon 1
333018

V 5
324022

V6
324187

V2
324020

10400 N

9600 N

9200 N

8800 N

8000 N

8200 E

7700 E

7275 E

6975 E

8000 E

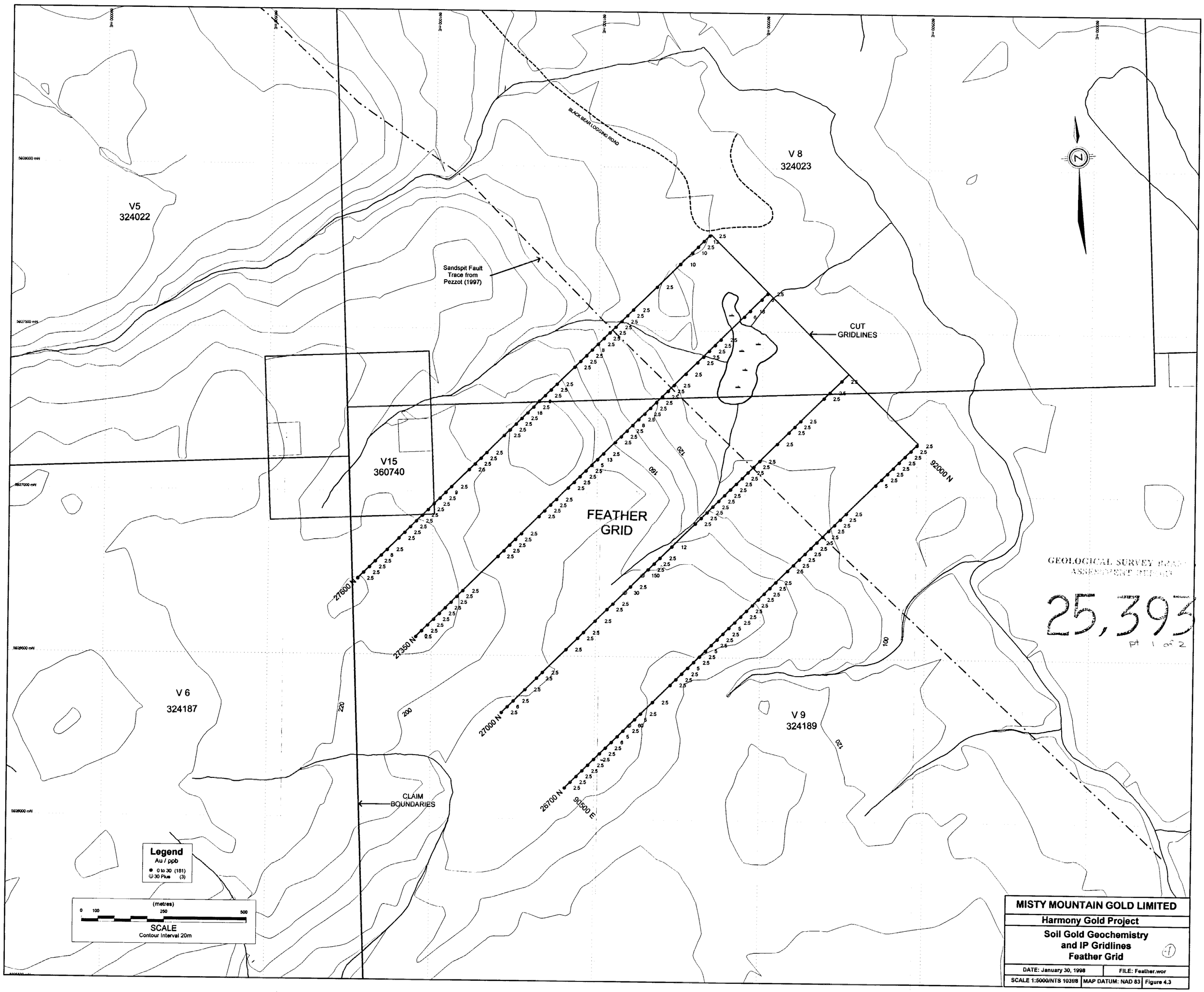
Legend
Au / ppb
0 to 30 (298)
30 plus (30)

(metres)
0 100 250 500 1000
SCALE
Contour Interval 20m

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,393

MISTY MOUNTAIN GOLD LIMITED		
Harmony Gold Project		
Soil Gold Geochemistry and IP Gridlines Amethyst Grid		
DATE: January 30, 1998	FILE: sandspit_B&W.WOR	
SCALE 1:20 000	MAP DATUM: NAD 83	Figure 4.2



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

25,393

pt 1 of 2

MISTY MOUNTAIN GOLD LIMITED		
Harmony Gold Project		
Soil Gold Geochemistry and IP Gridlines Feather Grid (1)		
DATE: January 30, 1998	FILE: Feather.wor	
SCALE 1:5000/NTS 103I/8	MAP DATUM: NAD 83	Figure 4.3