24623

TECHNICAL REPORT OF ACTIVITIES

ON THE

GRIZZLY PROJECT

ATLIN MINING DIVISION
NTS: 104K
LONG: 132° 17'W LAT: 58° 13'N

Owned & Operated By:

North American Metals Corp.
1500-700 West Pender Street
Vancouver, B.C., V6C 1G8

EXPLORE B.C. PROGRAM
Grant I.D. #94/95 A-17

Andrew P. Hamilton, B.Sc.

December 1994

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1.0 INTRODUCTION

The Grizzly Zone is a recently discovered area of gold mineralization that occurs on the Golden Bear Mine property in northwestern British Columbia. It lies 400 metres below, and on the same structure as, the Bear Main deposit , which sustained mining operations at the site from 1989 until exhaustion in 1994. The property is 100% owned by North American Metals Corp.(NAMC), an 81.4% owned subsidiary of Wheaton River Minerals Ltd. From late 1993 through 1994 an exploration program consisting of underground developement, and underground mapping, bazooka drilling and diamond drilling has been carried out on the zone.

1.1 SCOPE OF REPORT

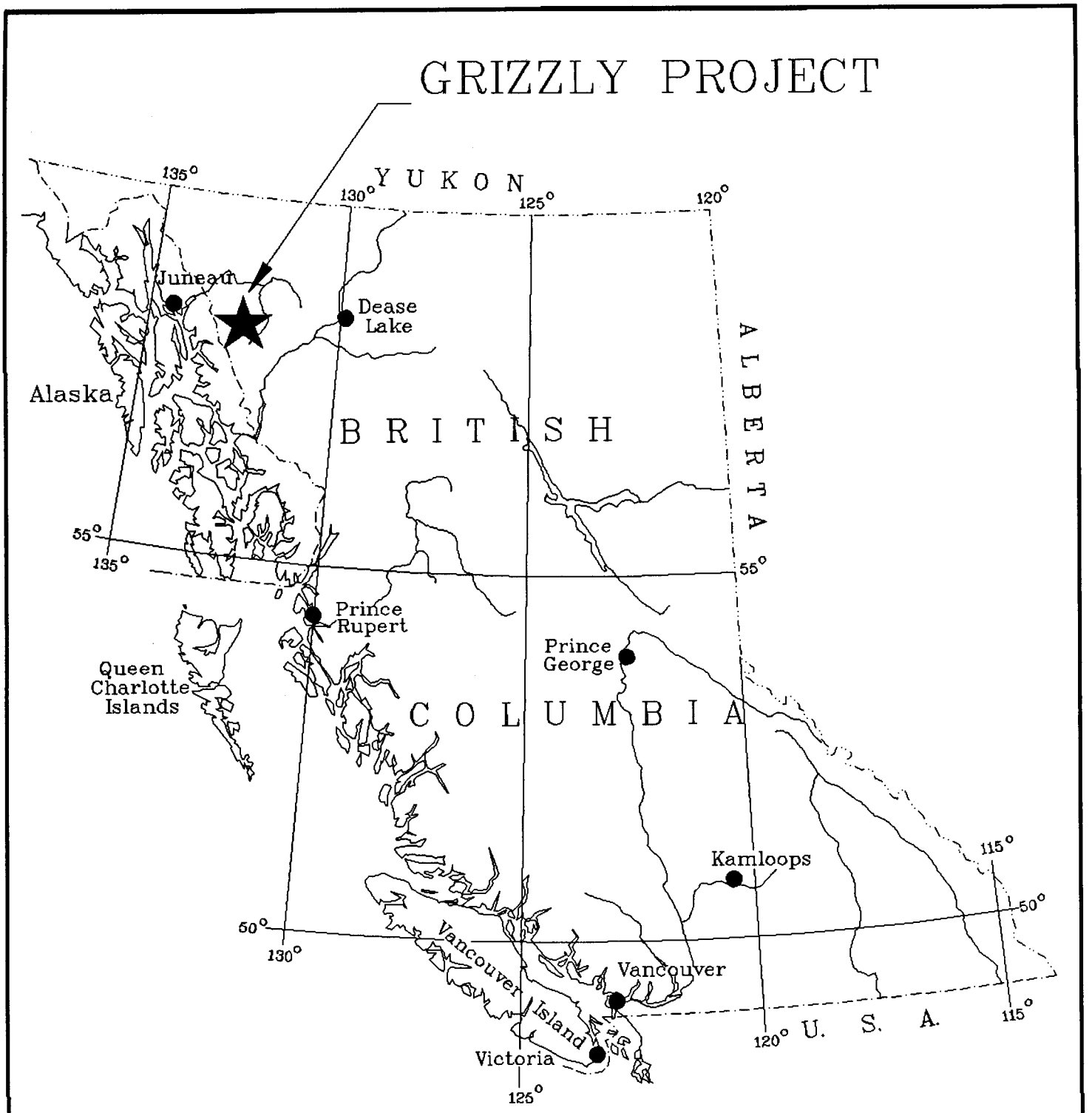
This report serves to present the results of the exploration program conducted from late 1993 to the end of November 1994, to assess the Grizzly Zone for economic gold mineralization. Much of the introductory section of this report has been summarized from previous authors. Geological and geochemical data from the 1994 program is shown together with data from previous work.

1.2 LOCATION, PHYSIOGRAPHY AND ACCESS

The Grizzly Zone is located on the Golden Bear Mine property, situated at 132° 17' west longitude and 58° 13' north latitude and NTS mapsheet 104K (Tulsequah). Dease Lake is approximately 140 kilometres to the east and Atlin is 160 kilometres to the northwest of the property (see Figure 1).

The mine property lies within moderately rugged terrain on the east side of the Chichidla Range of the Coast Mountains, where elevations range from 600 to 2200 metres. Treeline is at roughly 1100 metres elevation and slopes are primarily talus covered, with soil development only below treeline. Little or no vegetation other than grass occurs above treeline, lower slopes are forested with dense spruce, pine and poplar. Glaciers and permanent snow are not abundant, however snow melts slowly on western and northern slopes, where surface exploration can only be effectively conducted between July and mid-September.

Access to the property can be gained by two-wheel drive road, fixed-wing aircraft, or helicopter. The private, 155 kilometre all-weather mine access road joins the Dease Lake - Telegraph Creek road. A 1500 metre gravel airstrip is present at the minesite to accommodate fixed-wing aircraft. Contract helicopter service is available based out of Dease Lake.



NORTH AMERICAN METALS CORP.

GRIZZLY PROJECT

LOCATION MAP

N.T.S.: 104 K

Figure 1

1.3 PROPERTY DEFINITION AND STATUS

The Grizzly Zone is covered by Mining Lease #40 (Tenure # 203776), which totals 1462.1 hectares and is comprised of Lots 7043 to 7047 (see Figure 2). Converted from previously existing mineral claims on October 30, 1989, the lease has a primary term of 30 years and is subject to an annual rental fee.

1.4 EXPLORATION HISTORY

Exploration was first carried out on the Grizzly Zone in 1989 when the projections of consulting structural geologists (Lehrman and Caddey, 1989) indicated that a carbonate lens similar to the one that hosts the Bear Main deposit, appeared at depth on the same fault structure. During 1990 and 1991 NAMC drilled the area from surface and defined the upper portion of the Grizzly carbonate lens. Mineralization was encountered in the footwall of the lens and graded < 8.0 g/t gold over narrow widths.

In 1992 drilling was continued at greater depths and further to the north, returning results of 11.3 and 14.4 g/t gold over 1.8 metres, and suggesting that mineralization was increasing in strength to the north and following a gentle, northerly plunge. After Wheaton River Minerals Ltd. assumed control of NAMC in 1993, this idea was pursued with three diamond drill holes. Two holes intersected low grade mineralization while the third, two hundred metres north of the others, returned 14.38 g/t gold over 15.54 metres with an estimated true width of 7.0 metres.

Due to the extreme difficulty of drilling this zone from surface, and the associated expense, it was decided to assess its economic potential by drilling from underground stations. A total of 1.1 kilometres of underground developement and 6500 metres of diamond drilling was proposed. The portal was collared in December 1993 and ramp construction began in January 1994.

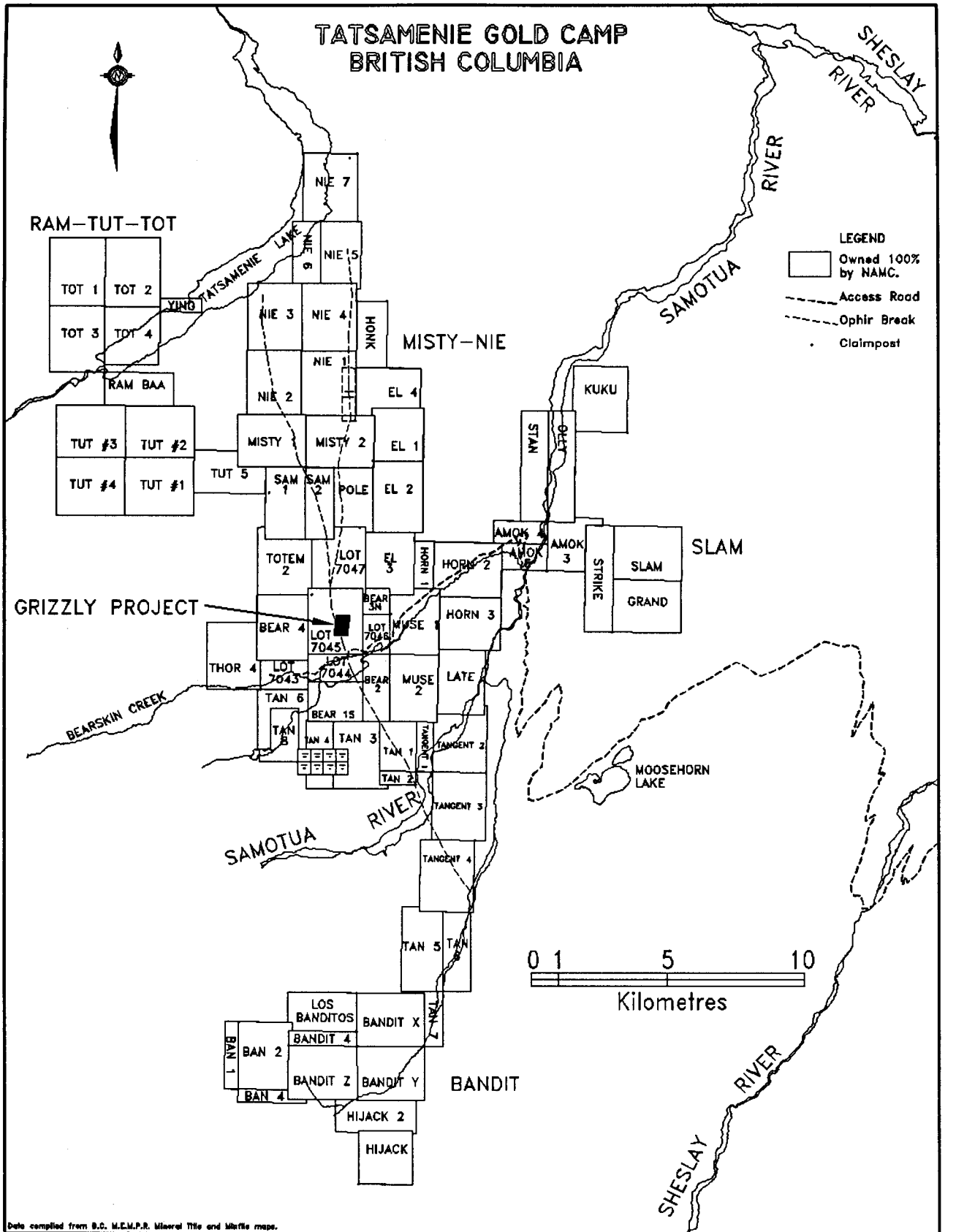
1.5 1994 WORK PROGRAM

The following work was completed on the Grizzly project between January 1 and November 30, 1994:

Mining: 771.2 metres of advance on the ramp with 187.9 metres of secondary advance (remucks and diamond drill stations).

Geology: 1:250 scale mapping of ramp and cutouts.

Geochemistry: chip sampling of mineralized zones in the ramp and cutouts.



NORTH AMERICAN METALS CORP.

GRIZZLY PROJECT

CLAIM MAP

N.T.S.: 104 K

Figure 2

Bazooka Drilling: 9 drill holes totalling 104.24 metres on 4 sections.

Diamond Drilling: 1 drill hole totalling 112.17 metres.

Both ramp development and diamond drilling operations have continued into December 1994.

2.0 REGIONAL GEOLOGY

The regional geology of the area has been documented by Souther (1971) and, more recently, by Bradford and Brown (1993).

The Golden Bear property lies within the Stikine Terrane, a composite terrane comprised of Paleozoic, Triassic and Jurassic island arc rocks. Basement rocks of the Stikine terrane are known as the Stikine Assemblage and include Permian limestones, argillites, cherts and a variety of volcanic and epiclastic rocks. These rocks are strongly deformed and stratigraphic relationships are not well understood. The Stikine Assemblage is overlain by Upper Triassic mafic oceanic arc rocks of the Stuhini Group. Both of these units are crosscut by Upper Triassic and Jurassic intrusive rocks of intermediate to felsic composition. Early Tertiary, intermediate to felsic, subaerial volcanics, intrusives, and derived sediments unconformably overlie pre-Upper Triassic and Triassic rocks. The youngest rocks of the area are the basaltic dykes and flows of the late Tertiary Level Mountain Group.

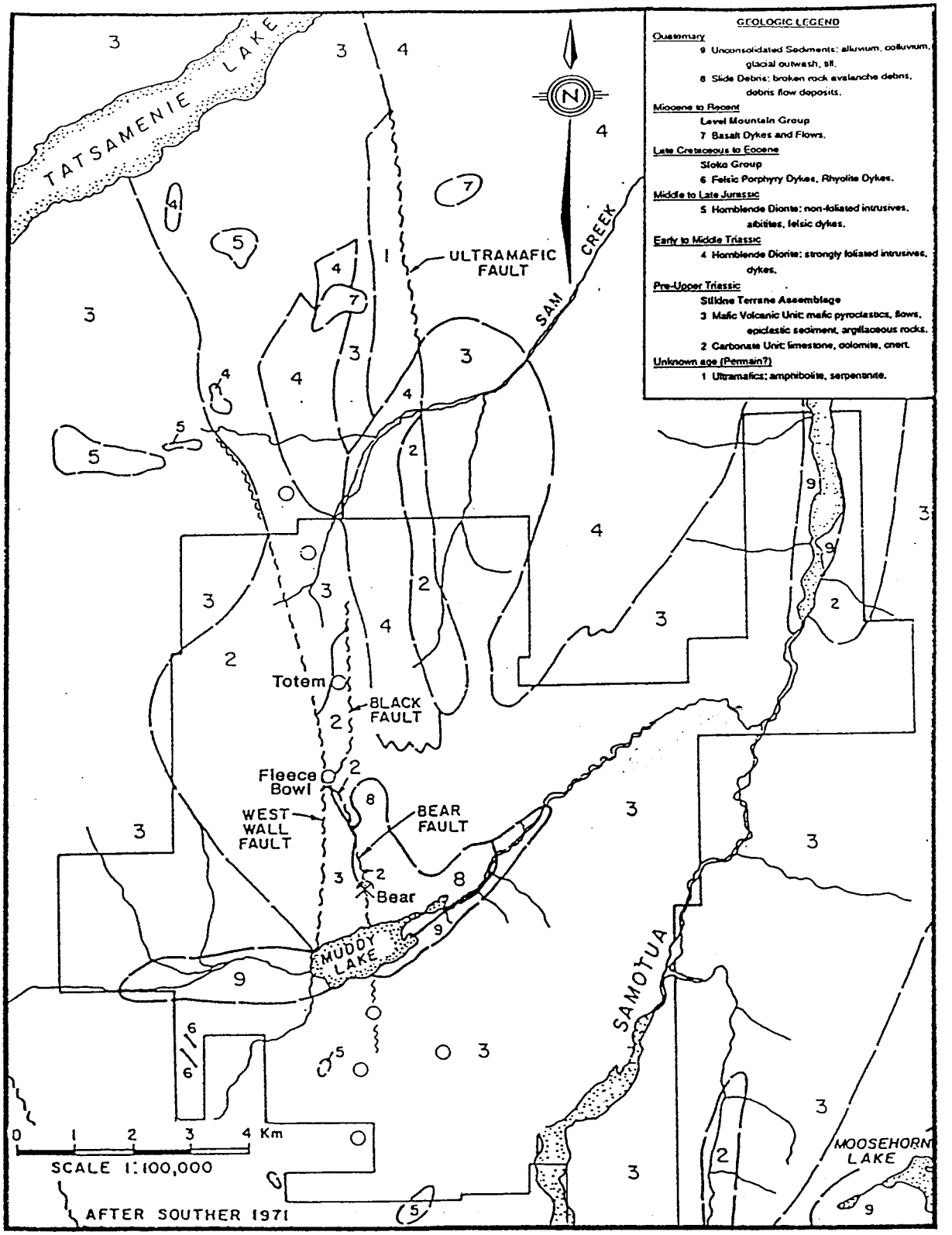
3.0 PROPERTY GEOLOGY

The geology of the property shown on Figure 3. It is predominantly underlain by Permian limestones, dolomites and cherts and Upper Triassic Stuhini Group mafic volcanics. The carbonate rocks are at least 300 metres thick and locally contain fusilinids, crinoids and corals that indicate a shallow marine environment. Textures vary from massive to finely bedded, intraformational and karst breccias are present locally. The Stuhini Group volcanics are at least 200 metres thick and consist primarily of flows with lesser ash to lapilli tuffs and epiclastic sediments.

Foliated Triassic diorites outcrop extensively in the northeast portion of the property, non-foliated Jurassic diorites outcrop on the southern and northwestern portions of the property.

3.1 STRUCTURE

The most important structural feature on the property is the Ophir Break, a major structural feature that strikes north-south and extends for ten kilometres on both sides



NORTH AMERICAN METALS CORP.

GRIZZLY PROJECT

SURFACE GEOLOGY

N.T.S.: 104 K

Figure 3

of the mine property. It is a system of anastomosing faults, coalescing and bifurcating both along strike and at depth. It was developed over the course of two main deformational events. During the first, north-trending isoclinal folds were initially developed to be followed in the later stages by brittle deformation that formed large northerly trending structures that formed the precursor to the Ophir Break. The second event was an episode of open, northwesterly trending folding that created a domal fold interference pattern in combination with earlier folds (Lehrman and Caddey, 1989). Renewed movement occurred along earlier structural features, producing structural dilation zones along the Ophir Break system. The fault system places Permian carbonates and Upper Triassic volcanics in contact with one another.

3.2 ALTERATION

The alteration associated with mineralization is developed in both carbonate and volcanic rocks along the Ophir Break, and although probably the result of a single mineralizing event, distinct alteration suites are associated with each major rock type.

The volcanic rocks have been strongly carbonatized in thick alteration envelopes around major faults. The rocks are a creamy-tan color and are dominated by a serecite, calcite, pyrite, chlorite and green mica mineral assemblage. Calcite occurs mainly as veinlets, pyrite as euhedral disseminations and veinlets to 3-5%. Fine bedding and pyroclastic textures are often preserved.

The carbonate rocks, which in the Bear Main and Grizzly zones consist of fault bound lenses, have been extensively silicified. Silicification occurs both as pervasive alteration and as breccia matrix.

3.3 MINERALIZATION

Mineralization in the Bear and Grizzly zones occurs in structurally controlled dilatency zones developed along the Ophir Break. Gold values are most strongly associated with extremely fine, dark grey to black sulphides, primarily pyrite. In the carbonates this occurs as disseminations in silicious breccia matrix, or as fine coatings on crackle surfaces (a very commonly observed texture).In the volcanics these fine sulphides occur in dark grey, fine to medium grained tuffs and in fault gouge. Both rock types can host economic gold grades. This pyrite mineralization is distinct from that in the carbonatized volcanics, which is medium to coarse grained, brassy in colour, and generally carries only geochemically anomalous gold values.

4.0 GRIZZLY RAMP

The Grizzly ramp is designed to access the northerly extension of the drill indicated mineralization. It is being driven in the hangingwall to the steeply easterly dipping fault system using trackless mining methods. It measures 4.0 x 3.5 metres and descends at a grade of 15 percent over its entire length. Full air, water and electrical services are regularly installed and serviced.

Collared on December 6, 1993, advance was not started until January 1994. Total advance to November 30, 1994 is 959.1 metres. This includes 771.2 metres of primary advance (main ramp) and 187.9 metres of secondary advance (remucks, diamond drill cutouts, electrical cutouts, sumps). A plan view of the ramp is shown on Figure 4, along with surface topography for reference.

During the first 200 metres of primary advance, ground conditions were found to be extremely poor and extensive timbering was necessary to provide adequate support. Similarly, timbering was needed in a fault zone between 250 and 300 metres from the portal. Elsewhere down the ramp ground conditions improved and, with the exception of minor screening in one or two areas, only rock bolts were required for ground support. Bad ground was avoided roughly 550 metres from the portal, near diamond drill station #2, by moving the ramp approximately 15 metres to the east before continuing northwards.

4.1 RAMP GEOLOGY

The geology of the Grizzly ramp, as mapped and compiled to November 30, 1994, is shown on Figures 5 through 9. The ramp has been driven entirely within mafic volcanic rocks of the Stuhini Group. They consist of massive to very thinly bedded tuffs and epiclastic rocks with minor, narrow argillite interbeds and laminae. Attitudes are variable, however a north-northwesterly strike and shallow to moderate northeasterly dips predominate.

Structurally, several narrow northeasterly trending faults have been mapped as crosscutting the ramp. These are tight structures that show only limited shearing and gouge development. Displacements, if any, are unknown. In addition, from remuck #5 on down the ramp several northerly trending, moderately easterly dipping graphitic shears occur in the west wall. It is unknown at this point how these relate to major fault structures of the Ophir Break, but it is suspected that they are splays from the hangingwall fault that bounds the Grizzly carbonate lens.

Carbonatization has occurred only locally along the narrow fault structures in the upper

portions of the ramp, but becomes stronger and more pervasive in lower portions, particularly near the northerly trending shears noted above. It is interpreted that the ramp started in relatively unaltered volcanics and has gradually entered the thick alteration envelope that is developed around the Grizzly carbonate lens.

Mineralization was not expected to be encountered in the ramp, however pyritic tuffs identical to those mined from the Bear Main deposit were exposed in the face and wall of remuck #5. This area of mineralization, named the Cub Zone, has a northerly trend and dips 30 degrees to the east. It has been measured at up to 3.9 metres in thickness on the remuck face but appears to thin rapidly along the remuck wall to the south. It is interpreted as being a splay from the main zone of alteration and mineralization that lies to the west.

4.2 RAMP GEOCHEMISTRY

Rock samples were collected from the ramp and its cutouts as work has progressed and assayed in the mine lab for gold. Values are shown on Figures 5, 6 and 7 (with geology) for the upper portion of the ramp and shown on Figures 10 and 11 (assay plans) for the lower portions of the ramp. Assay certificates are listed in Appendix I.

Gold values from the ramp samples are generally low (less than 1.0 g/t gold). The unexpected Cub Zone mineralization, however, did return significant gold grades. Initial samples across the face of remuck #5 returned a value of 27.0 g/t gold over a sample length of 3.9 metres. Subsequent rock sampling on the eastern wall of the remuck and west wall of the main ramp returned gold values of 26.5, 43.9, 18.0, 9.1, 5.9 and 7.5 g/t gold, all over sample lengths of 1.5 metres. All samples in the zone that are considered to be of ore grade are all located along a 10.0 metres strike length, with values falling off rapidly beyond this.

5.0 DIAMOND DRILLING

Diamond drilling on the Grizzly Zone has been carried out in two separate programs. Firstly, a brief program utilizing a Bazooka diamond drill was used to test the Cub zone. Secondly, the 6500 metre diamond drill program for which the Grizzly ramp was designed started up in late November, 1994, and by months end the first hole had been completed.

5.1 BAZOOKA DRILLING

The Bazooka program consisted of 9 short holes totalling 104.24 metres on 4 sections, spaced 20 metres apart. The drill holes, showing geology and assays, are plotted on Figures 12 and 13, the logs and assay certificates are listed in Appendix II.

All drill holes encountered weakly to strongly carbonatized mafic tuffs, with minor pyritic tuffs. Only three assays returned values of greater than 1.0 g/t gold: 3.7 g/t over 0.92 m in G94UG111, 2.54 g/t over 1.06 m in G94UG107, and 2.40 g/t over 1.22 m in G94UG104. It should be noted that difficulties were encountered positioning the drill in the decline during the program and that the zone was not adequately tested. To test the zone properly crosscuts and a more powerful drill will be needed.

5.2 DIAMOND DRILLING

Hole number G94UG113 is the first hole of the main Grizzly Zone diamond drill program. It was drilled on section 23600N to a depth of 112.17 metres. It is plotted on Figure 12 and the drill log and assay sheets are listed in Appendix III.

The entire width of the Grizzly carbonate lens was intersected, and a second, short interval of carbonate was encountered in the footwall volcanics. The lens is dominated by medium gray, silicified dolomite breccia which contains minor disseminated pyrite, particularly in the upper portion of the intersection where the lens is intruded by a swarm of weakly pyritic felsic dykes. Lower in the carbonate and within the footwall volcanics fine grained basalt dykes were intersected. These were noted in mineralized zones of the overlying Bear Main deposit. Several fault structures intersected, the wosrt of which, at 25.3 metres, produced ± 300 gallons of water per minute, significantly impeding drilling efforts.

No significant gold values were returned from the hole. The highest value obtained was 0.82 g/t gold over 1.26 metres from carbonatized, gougy footwall volcanics.

6.0 SUMMARY

The Grizzly Zone is a recently discovered area of gold mineralization on North American Metals Corp. 100% owned Golden Bear property in northwestern British Columbia. Lying 400 metres below, and on the same structure as, the Bear main deposit, it returned an intersection grading 14.38 g/t gold over a 15.54 metre length from a 1993 diamond drill hole. Due to the difficulty and associated expense cost of drilling the zone from surface, it was decided to assess its economic potential by drilling from underground stations. A program consisting of underground development, geological mapping, geochemical sampling and diamond drilling was initiated in late 1993 and has continued throughout 1994.

The Grizzly ramp descends at a 15% grade parallel to, and in the hangingwall of the Grizzly carbonate lens. As of November 30, 1994, a total of 959.1 metres of the proposed 1100 metres of underground development, including both primary and secondary advance, had been completed. Poor ground, encountered in the first 300 metres and requiring timbering, gave way to better ground in the lower portions of the ramp.

The ramp has been driven entirely within variably carbonatized mafic tuff and epiclastic rocks of the Upper Triassic Stuhini Group. The alteration occurs as envelopes around the fault structures of the Ophir Break, an anastomosing fault system the hosts lenses of silicified Permian carbonate rocks. Gold mineralization is associated with very fine, dark sulphides that occur in silicified carbonate breccias and strongly altered and often gougy mafic tuffs along the fault system.

Ore grade mineralization was unexpectedly exposed the face of remuck #5. This area, named the Cub Zone, was tested by a brief program utilizing a Bazooka drill which returned short intersections of low grade gold mineralization. Technical difficulties were encountered in the program and the zone, which is possibly a splay off the main zone of mineralization to the west, requires further testing.

The first diamond drill hole of the 6500 metre Grizzly diamond drill program was completed by the end of November, 1994. It encountered favourable geology but did not return any significant gold values.

Underground development is scheduled to be complete by the end of December, 1994. The diamond drill program is ongoing and is scheduled to continue with two drills in 1995 when decline development is complete.

7.0 BIBLIOGRAPHY AND SELECTED REFERENCES

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APPENDIX I

(Ramp Rock Samples - Assay Certificates)

APPENDIX II

(Bazooka Drill Holes - Logs and Assay Certificates)

GOLDEN BEAR OPERATING COMPANY

DATE: Dec. 1, 1994

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER: D.

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t		S= %
14619	Δ225+49m ARGI FAKE	.10			
14620	Δ225+49m MFCA FAKE	.07			

GOLDEN BEAR OPERATING COMPANY

DATE: NOV. 26 94

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER:

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t		S= %
14616	A225 +17m FLOOR TO 1.0m UP LEFT WALL	.34			.89
617	A225+17m 1.0 to 2.0 up LEFT WALL	.10			.31
14618	A225+29m FLOOR TO 1.5m LEFT WALL	.34			1.86

GOLDEN BEAR OPERATING COMPANY

DATE: Nov. 22/94

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER: D

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t		S= %
14609	M222 +32m N	.31			.24
610	" +22m N	.14			.17
611	M222 + 13m N	.17			.22
612	M222 Mcc D - FACE	.10			.28
613	" " "	.07			.19
614	" " "	.07			.14
14615	M222 + + 10m S	.17			.22
15455	D M222 +37m N	.14			.21
15456	"	.17			.14

GOLDEN BEAR OPERATING COMPANY

DATE: Oct. 26, 1994

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER: [illegible]

	TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t		S= %
T	3819	A209 x +30m N west wall	3.46			5.9
	3820	+34m N	Ø.79			9.8
	3821	adj A212	1.51			4.47

GOLDEN BEAR OPERATING COMPANY

DATE: Oct. 23/94

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER: D.

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t		S= %
T3818	Griggly A 218+36mN - ARGI bed which will	Φ.41			Φ.74

GOLDEN BEAR OPERATING COMPANY

DATE: Oct. 21, 1994

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER: [illegible]

	TAG NUMBER	Grizzly SAMPLE DESCRIPTION	Au g/t	Ag g/t		S= %
	T 3809	⊥ 218 +20m ⊥ on west wall MFCA w/ pyrite stringers	.07			.48
	10	Rem 8 m back from face, upper 1.5m on east wall	5.90			3.03
REMUCK #5	1	" across back PYTF/MFCA 0-1.5	1.78			1.85
	2	" green MFCA 1.5-3.0	.07			.29
	3	" green MFCA 3.0-5.5	.07			.20
	4	Decl. +4m upper 1.5m on west wall	7.54			7.03
	5	Decl. +8m "	3.36			5.66
	6	Decl. +12m "	.55			3.71
	T 3817	Decl. +16m "	.96			3.56

GOLDEN BEAR OPERATING COMPANY

DATE: Oct. 19/94

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER: D

	TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t		S= %
1	3806	Gaggle near A218 - fault zone	.07			.13
	7	" "	.07			.10
	3808	" "	.07			.05

GOLDEN BEAR OPERATING COMPANY

DATE: Sept. 26/94

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER:

	TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	S^{T} %	$S^{=}$ %
T	3804	Grizzly Decline wall samples	.14		4.85	
	5	near A212	.14		3.39	
	3721		.27		2.90	
	2		.62		1.76	
	3		.21		5.92	
	3724		1.03		6.28	

GOLDEN BEAR OPERATING COMPANY

DATE: SEPT. 25/94

MINE ASSAY REPORT (MUCK SAMPLES)
UNDERGROUND

ASSAYER: D.

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	C %	S %	S= %
T 3716	Grizzly Decline Stop Face	.55		.51	
7	@ 212+ 21.2 m	.82		2.44	
8		.27		5.21	
9		.21		.71	
3720		.27		4.36	
3743		.41		2.23	
4		.27		.26	
5		.14		.21	
3746		.41		.27	

GOLDEN BEAR OPERATING COMPANY

DATE: Sept. 24/94

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

REMUCK #5

ASSAYER: (D)

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	S^T %	S= %
3708	Buggy Remuck Area light green to green MFTF #50	.21		.46	
9	grey MFCA w/ pyrite #51	1.03		4.19	
10	light green to purple MFTF #52	.79		.88	
1	grey MFCA #53	.82		5.17	
2	PYTF w/ narrow black band overlying MFCA #54	.21		5.13	
3	buff MFCA #55	.14		.13	
4	PYTF #56	1.30		6.93	
3715	buff MFCA #57	.27		.14	
3757		17.97		8.74	
8		4.46		5.32	
9		4.18		6.85	
60		10.29		7.29	
1		13.99		6.79	
2		.69		5.58	
3		14.06		4.60	
4		9.39		5.06	
5		1.92		6.88	
6		2.19		6.61	
3767		.21		5.68	

GOLDEN BEAR OPERATING COMPANY

DATE: Sept. 23/94

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER: [illegible]

	TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t		S= %
T	3755	E4 } GRIZZLY #5 ATTACK BK	32.09			5.46
	3756	E5 } ATW. FACE - 80m	43.88			5.70

GOLDEN BEAR OPERATING COMPANY

DATE: Sept. 22/94

MINE ASSAY REPORT (MUCK SAMPLES)
UNDERGROUND

ASSAYER: DD

	TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	C %	S %	S= %
T	3751	F5 [illegible] #5 RF	12.68		7.29	
	2	F4 RF	30.85		7.82	
	3	F3 RW	26.53		7.90	
	3754	F2 RW	9.12		6.37	

GOLDEN BEAR OPERATING COMPANY

DATE: September 20/94

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER: H. Hepp

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t		S= %
I 3820	Grizzly	21.74			
71	?	2.81			
72		0.62			
73		0.21			

GOLDEN BEAR OPERATING COMPANY

DATE: Sept. 28/94

MINE ASSAY REPORT (MUCK SAMPLES)
UNDERGROUND

ASSAYER: _____

	TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	C %	S %	S= %
T	3801		56.91		7.16	
	2		52.39		7.15	
	3		17.07		0.30	
	3874		0.27		3.72	
	3875		25.78		8.30	

GOLDEN BEAR OPERATING COMPANY

DATE: June 17/94

MINE ASSAY REPORT (CHIP SAMPLES)
UNDERGROUND

ASSAYER: B. Hope

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	S %
Grizzly #003		0.21		0.40
T 3991		1.10		2.07
92		2.95		0.17
93		4.66		0.51
94		0.96		3.92
95		0.96		3.17
96		1.03		2.66
97		25.21		7.16
98		16.11		3.55
99		14.19		4.78

GOLDEN BEAR OPERATING COMPANY

DATE: JUNE 12, 1994

MINE ASSAY REPORT (SAMPLES)

ASSAYER: D.

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
	GBOR 001	0.89				
	002	1.17				

GOLDEN BEAR OPERATING COMPANY

DATE: June 10, 1994

MINE ASSAY REPORT (SAMPLES)

ASSAYER: D.

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
	Grizzly	0.48				

NOTE
GR94B 02
03 - NOT DRILLED

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: GRIZZLY
SECTION: 23580N
AZIMUTH: 270°
DIP: -15°

LATITUDE: 23580N
LONGITUDE: 25043E
ELEVATION: 1013.5M

LOGGED IN FEET

HOLE NUMBER: (GR94B01) G94UG104

PAGE 1 OF 3

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
0.00	1.60 5.25	MFTF	Dark maroon, fine grained volcanic. Contains abundant crystals of pale green, subhedral, highly altered feldspar. May be flow or crystal tuff. Contains 0.6 - 1.0 foot intervals of pale tan green, altered MFCA. MFCA contains green "mariposite". Core intact with good recovery. 1-3% pyrite streaks in MFCA intervals.	001084S 85S	.07 Tr	.04	0 - 0.76 0.76 - 1.60	0-2.5 2.5-5
5.25	4.27 14.00	MFCA	Medium greenish tan, highly altered volcanics. Parent rock same as previous unit. Contains 15% bright green, subhedral to irregular spots / phenocrysts. 5-15% fine pyrite as streaks and selvages along veinlets and fractures. Core moderately broken - some less near EOI.	001865 87S 88S	.21 .27 .14	.21	1.60 - 2.36 2.36 - 3.20 3.20 - 4.27	5.25-7 7.75-1 10.5-1
14.00	4.72 15.50	PyTF	Medium grey, very pyritic, foliated, highly altered volcanic. Core moderately to very broken. Some recovery problems. Could be classified as a pyritic MFCA	001895	.14		4.27 - 4.72	
15.50	7.54 24.75	PyTF	Medium grey, soft, very pyritic fault breccia. Angular clasts up to 1 cm across. Clasts are white, pink, dark grey. Qtz veinlets xcut clasts and matrix. 20% fine pyrite disseminated in soft matrix.	00180 91 92	.34 .34 .55	.41	4.72 - 5.49 5.49 - 6.25 6.25 - 7.01	15.5-18 18-20 20.5-2 23-2

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: _____ LATITUDE: _____ HOLE NUMBER: GR94-B01
SECTION: _____ LONGITUDE: _____
AZIMUTH: _____ ELEVATION: _____ PAGE 2 OF 3
DIP:

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
			Unit has some core loss. — about 50% recovery. Core very broken.					
24.75	9.45 31.00	MFCA	Moderately soft, grey-tan, dolomitic altered volcanics. Foliated with foliation @ 45° to core axis. 20% bright green subhedral "phenocrysts" Only minor fine pyrite as irregular streaks. About 50% core loss.	001045	.07		7.47-9.45	
31.00	10.82 35.50	PyTF	Fault breccia unit. Same as Unit 15.50-24.75 Upper contact about 20° to core axis. 10% fine pyrite in matrix. Clasts make up 40% of unit. Bottom 0.5 feet consists of pale grey gouge. Recovery about 50%.	001055	.14		9.45-10.82	
35.50	13.26 43.50	MFCA	Moderately soft, foliated, pale tan to cream altered volcanics. Trace pyrite as fine disseminated streaks within foliation. Foliation @ 15° to core axis. No green spots in this unit. Core intact — recovery good.	001096	.21		10.82-11.89	35.5-39.4
				097	.14		11.89-13.26	

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: _____ LATITUDE: _____
SECTION: _____ LONGITUDE: _____
AZIMUTH: _____ ELEVATION: _____
DIP:

HOLE NUMBER: GR94B01

PAGE 3 OF 3

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S
43.50	15.24 50.00	MFTF	Same as Unit 0.00-5.25 feet Dark green to maroon, moderately soft porphyritic flow or crystal tuff Feldspars altered to bright green. Minor thin quartz veinlets. Upper contact slightly gouged Core slightly broken with good recovery.	001098	.27		13.71-15.24
			EOH = 50 feet				

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: Grizzly
SECTION: 23600N
AZIMUTH: 270°
DIP: -57°
LATITUDE: 23600N
LONGITUDE: 25041E
ELEVATION: 1010m

LOGGED IN FEET

HOLE NUMBER: (GR94-30A) GR94UG105
PAGE 1 OF 1

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
0	3 (0.91)		CASING					
3	7 (2.13)	PYTF	MED GREY - WITH BUFF TO WHITE QTZ - TUFF FRAG ± 25MM - PYRITIC	K 00976	2.40			0.91-2.13
			FINE GRAIN - CORE RECOVER 33%					
7	13 (3.96 m)	PYTF	GREY - GOUGE - FINE GRAIN. PYRITIC., QTZ TUFF FRAG/CLASTS	K-00977	0.48			2.13-3.96
			±10MM. VERY POOR RECOVERY - 10" IN 5 FT -					
			APPARENT WIDTH BASED ON RECOVERY IN NEXT UNIT.					
			POSS. ORE.					
13	19 (5.79)	MFCA	TAN. BUFF - FINE GRAIN ALTERED VOLCANICS, ±15% CLASTS,	K-00978	0.07			3.96-5.79
			DARK GREY ± 2MM. SUGGESTED FOLIATION 40° TO C/A. 75%					
			CORE RECOVERY					
19	23 (7.01)	MFCA	TAN - BUFF, FINGRAIN ALTERED VOLCANICS PYRITIC LONG FOLIATION	K-00979	0.21			5.79-7.01
			AND FRACTURES, ± 15-20% PYR, SOFT, FOLIATION 45° TO C/A.					
			WEAKLY SCHISTOSE.					
23	31 (9.45)	PYTF	MED GREY, - BUFF, FINE GRAIN, MINOR QTZ VEINING, 23-27	K-00980	0.14			7.01-8.23
			PYRITIC, 40% TUFF FRAG. RECOVERY 70% 27-31	81	0.34			8.23-9.45
31	33 (10.06)	MFTF	BUFF. - MAROON - FINE GRAIN. QTZ STRINGERS - VERY LITTLE	K-00982	0.21			9.45-10.06
			CORE RECOVERED.					
			EOH					

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: Grizzly | LATITUDE: 23600N. | Logged in Feet | HOLE NUMBER: GR 94 B05 / GR94UG1C
SECTION: 23600N | LONGITUDE: 25042.5E | L. Picage Oct 10, 1994 | PAGE 1 OF 1
AZIMUTH: 090 | ELEVATION: 1010 M.
DIP: -80

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
6.00	9.00 (2.74)	PyTF	Dark grey, soft, sericitic phyllite with abundant fine grained pyrite in streaks and	K00983 0-4.5	.07			0.0-1.
			lenses. Phyllite has well developed foliation. Altered volcanic MFCt - no marcasite	K00984 4.5-9	.14			1.37-2
			visible. Pyrite 25%. Foliation 70% core axis. Recovery 70%-40% / worse					
			near End of interval.					
9.00	13.00 (4.80)	CHSB	Very dark grey to black, brecciated, slightly calcareous, chert. Minor sulphides	K-00985	0.27			2.74-4
			only. Recovery 40% Clasts subrounded up to 1 cm across. Clasts 60% of unit.					
			Core very broken					
13.00	30.00 (9.14)	MFCA	Cream to light grey, foliated, soft, sericitic phyllite. Minor to trace	K00986 13-17	0.14			4.80-5.
			pyrite as very fine, disseminated streaks parallel foliation. At End of	K00987 17-20	0.14			5.18-6.
			Interval minor pyrite as selvages along fractures. Minor marcasite as	20-22 (88)	0.21			6.10-6.
			isolated lenses. Recovery 50-90%. Two foliations visible - one	22-25 (89)	0.07			6.71-7.
			pervasive and the other spaced (5mm) Pervasive foliation 60%	25-27 (90)	0.14			7.62-8.
			core axis / spaced cleavage 35° core axis	27-30 (91)	0.07			8.23-9
			EOH 30 feet					

NORTH AMERICAN METALS CORP.
LITHOLOGICAL LOGGING SHEET

LEVEL: Grizzly
SECTION: 23623 N
AZIMUTH: 270°
DIP: 0°

LATITUDE: 23623 N
LONGITUDE: 25037.2E
ELEVATION: 1007.5 m

logged in feet
L. Pigage Oct 14/1994

HOLE NUMBER: (GR94S-016) G94U610
PAGE 1 OF 1

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
0.0	8.0 (2.44)	PYTF	Pale grey, moderately soft, highly altered volcanics. Presently a sericitic	0-5 K-00971	Tr			0 - 1.5
			phyllite. Pyrite 10% as irregular aggregates along fractures. Recovery about	5-8 K-00972	Tr			1.52-2.
			20-30%. Corresponds to gouge exposed on west wall of drift.					
8.0	16.0 (4.88)	MFTF	Deep maroon, moderately soft, massive, volcanics. Medium finely	K00973 8-12	Tr			2.44-3.
			crystalline. No readily visible pyrite. Minor thin qtz-carbonate veinlets	K00974 12-16	.14			3.66-4
			have thin selvages of pink-red alteration. Recovery 50%					
16.0	33.0 (10.06)	MFCA	Dominantly pink, moderately hard, massive, altered volcanics. Short intervals	K-00975 16-20	.14			4.88-6
			are pale grey with some bright green "mariposite" spots. Trace pyrite	K-00935 20-24	Tr			6.10-7.
			as fine aggregates associated with opaque white carbonate veinlets.	K-00936 24-28	0.14			7.32-8
			Recovery 50-75%.	K-00937 28-33	0.07			8.53-10
			EOH = 33 feet					

4

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: GRIZZLY
SECTION: 23623N
AZIMUTH: 270°
DIP: -50

LATITUDE: 23623 N.
LONGITUDE: 25038E
ELEVATION: 1006.4

Logged in feet
L. Pigge Oct 11, 1994

HOLE NUMBER: (GR94B07) G94UG10

PAGE 1 OF 2

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
0.0	2.59 8.5 (2.6m)	MFCA	Tannish red brown, moderately soft, altered volcanics. Locally has mottled texture. No readily visible pyrite. Lower contact gradational.	992 0-3.5	.21			0 - 1.07
				993 3.5-7.0	0.14			1.07 - 2.1
				994 7.0-8.5	0.03			2.13 - 2.5
8.5	3.66 12.0 (1.07m)	MFTF	Dark grey, moderately soft, porphyritic mafic volcanic. 30% off-white to light grey, subrounded to euhedral feldspar phenocrysts in a fine-grained matrix. Phenocrysts up to 3mm across. Incipient reddish brown, diffuse, alteration spots up to 2cm across. Upper & lower contacts gradational. No readily visible pyrite	995 8.5-12.0	Tr.			2.59 - 3.0
12.0	9.91 32.5 (6.25m)	MFCA	Pale greenish grey, sericitic phyllite / altered volcanics. Contains minor scattered, dark green manipasite spots. Moderately soft. Trace - 2% fine pyrite as disseminated specks and streaks. Interval 27 feet - 29 feet 5-10% pyrite as selvages along fine crosscutting fractures. Recov 50% - 90%	996 12-16	Tr			3.66 - 4.2
				997 16-19	0.21			4.88 - 5.7
				998 19-22	0.21			5.79 - 6.7
				999 22-26	0.14			6.71 - 7.3
				1000 26-29	0.34			7.92 - 8.5
				951 29-32.5	Tr.			8.84 - 9.5
32.5	10.97 36.0 (1.06m)	MFCA	Dark grey, moderately soft to moderately hard, altered volcanics. Bright green manipasite spots and streaks present locally. Differentiated because contains 10-20% fine pyrite as irregular aggregates and streaks. Recovery 90%	952 32.5-36.0	2.54			9.91 - 10.

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: Grizzly
SECTION: 23623N
AZIMUTH: 270
DIP: -50

LATITUDE: 23623N
LONGITUDE: 25038E
ELEVATION: 1006.9

Logged in feet
L. Pigage Oct 11, 1994

HOLE NUMBER: GR94B07

PAGE 2 OF 2

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
36.0	14.94 49.0 (3.96m)	MFCA	Moderately soft, foliated, pale greenish, creamy sericitic phyllik = altered volcanics. Scattered bright green "mariposite" spots locally. Lower and upper contacts are gradational. Recovery 90%. Only minor fine pyrite.	36.0-41.0 953	0.07			10.97-12.5
				41.0-46.0 954	0.07			12.50-14.0
				46-49 955	0.14			14.02-14.
49.0	15.24 50.0 (.30m)	MFTF	Dark reddish brown, slightly altered, volcanics. Pervasively foliated. Recovery 80% No readily visible pyrite.	49-50 956	Tr.			14.94-15

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: GRIZZLY
SECTION: 23623 N
AZIMUTH: 090
DIP: -80° E

LATITUDE: 23623 N.
LONGITUDE: 25,041 E
ELEVATION: 1006.4

Logged in feet
L. Pigage Oct 12/94

HOLE NUMBER: (GR 94 B08) G94UG10

PAGE 1 OF 2

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
0.0	4.88 16.0	MFCA	Pale grey, soft, pervasively foliated, noncalcareous, sericitic phyllite. Core very broken. Contains gouged intervals (20%) Some pieces are dark red MFTF (only slightly altered) No readily visible pyrite. Recovery 25% - 50%	K00957 5-6 Fr	Fr			1.52-1.3
				K00958 6-10	Fr			1.83-3.1
				K00959 10-12	Fr			3.05-3.6
				K00960 12-16	Fr			3.66-4
16.0	7.01 23.0	MFTF	Deep maroon, fine-grained, strongly porphyritic volcanic. Crowded with pale green, subhedral, feldspar phenocrysts generally 2mm across. Phenocrysts 25%. Fine-grained, dark red brown matrix. Possibly a crystal tuff. No readily visible pyrite. Core slightly broken - recovery good Contains minor 15cm intervals of pink to pale green moderately altered volcanics - about 10%.	K-00961 16-19	Fr			4.88-5
				K-00962 19-23	Fr			5.19-7.0
23.0	10.36 34.0	MFCA	Pink to grey, soft, altered volcanics Massive, pervasively foliated Texturally same as previous unit (i.e. can see relict off white phenocrysts) 1-3% fine pyrite disseminated in matrix. Core very broken. Recovery 50%. Drillers report "sand" about 31 feet.	K-00963 23-28	Fr			7.01-8.
				K-00964 28-34	Fr			8.53-10.
34.0	11.43 37.5	PyTF	Medium grey, massive, moderately soft, altered volcanics Minor disseminated bright green "manganosite" spots. 5-10% as diffuse aggregates elongate within foliation Recovery about 50%	K-00965 34-36	0.69			10.36-10
				K-00966 36-37.5	0.07			10.97-11.

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: _____ LATITUDE: _____ HOLE NUMBER: GR94B08
SECTION: _____ LONGITUDE: _____
AZIMUTH: _____ ELEVATION: _____ PAGE 2 OF _____
DIP: _____

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
37.5	13.11 43.0	PyTF	Medium grey, moderately soft, altered mafic volcanic. Well developed breccia texture w/ clasts of feldspar veins, altered mafic volcanics in a fine-grained grey matrix. Clasts 30%. Two forms pyrite. Fine dark pyrite in matrix and coarse brassy yellow aggregates disseminated throughout. Pyrite about 5-20%	K-00967 37.5-40	0.27			11.43-12.1
				K-00968 40-43	TR			12.19-13.1
43.0	14.02 46.0	MFCA	Pale greenish grey, moderately soft, massive sericitic phyllite. Disseminated bright green 'marcasite' spots constitute about 10%. Trace disseminated pyrite. Recovery good	K-00969 43-46	TR			13.11-14.0
46.0	15.24 50.0	MFTF	Dark greenish maroon to dark green, massive, mafic volcanics. Moderately soft. No readily visible pyrite. Recovery good	K-00970 46-50	0.14			14.02-15.2
			EOH = 50 feet					

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: Grizzly
SECTION: 23640N
AZIMUTH: 270°
DIP: 0°

LATITUDE: 23640 N
LONGITUDE: 25035 E
ELEVATION: 1005 M EL.

Logged in feet
L. Pigage Oct 14/1994

HOLE NUMBER (GR94B09) G94UG110
PAGE 1 OF 1

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
0.0	6.0 (1.83)	PyTF	Moderately soft to moderately hard, massive, medium grey, sericitic phyllic altered volcanics. Locally brecciated. 10-20% pyrite along fractures and in bxa matrix. Recovery 30%. Near 5 material contains a few gouge "balls"	K-00938 0-3	Tr			0-0.[illegible]
				3-6 K-00939	0.07			0.91-1.[illegible]
6.0	14.0 (4.27)	MFCA	Pale greenish grey, massive, moderately hard, altered mafic volcanics. Contains dark green, disseminated "mariposite" streaks/spots locally. Recovery about 20-25%. Trace disseminated fine pyrite.	K-00940 6-11	0.62			1.83-3.3
				K-00941 11-14	0.21			3.35-4
14.0	30.0 (9.14)	MFCA	Pink to maroon, moderately hard, massive volcanics. Short intervals of pinkish grey more strongly altered volcanics. 1-5% pyrite as isolated spots and as selvages to fractures and micro veins. Recovery 90%	K-00942 14-17	0.07			4.27-5
				K-00943 17-20	Tr			5.18-6
				K-00944 20-23	Tr			6.10-7.[illegible]
				K-00945 23-26	0.07			7.01-7.[illegible]
			?	?29-30 K-00946	Tr			7.92-9

EOH = 30 feet

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: GRIZZLY
SECTION: 23640N
AZIMUTH: 270°
DIP: -40

LATITUDE: 23640 N
LONGITUDE: 25036 E
ELEVATION: 1003.4EL.

Logged in feet
L. Pigge Oct 14, 1994

HOLE NUMBER: (GR94 8 ID) G94UG111

PAGE 1 OF 2

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
0.0	1.83 6.0	MFCA	Medium greenish grey, moderately soft, altered volcanics. Now sericitic phyllite. Contains minor small bxa zones. Trace pyrite as small spots and streaks. Recovery about 20% or less.	0-5 K04251C	0.14		0.0 -	0.91
				5-6 K04252C	0.20		0.91 -	1.83
6.0	5.18 17.0	MFCA	Pale pink, massive, foliated, moderately soft, altered volcanics locally has greenish tint. Relict feldspar phenocrysts visible as clear to pale green subhedral grains. Trace pyrite as tiny specks disseminated throughout.	6-9 04253	Tr		1.83 -	2.74
				9-12 04254	0.41		2.74 -	3.66
				12-15 04255	0.14		3.66 -	4.57
				15-17 04256	Tr		4.57 -	5.18
17.0	8.08 26.5	MFTF	Dark maroon, massive, poorly foliated mafic volcanics. Contains short intervals of pink slightly altered volcanics. No readily visible pyrite.	17-20 04257	Tr		5.18 -	6.10
				20-23 04258	0.21		6.10 -	7.01
				23-26½ 04259	0.07		7.01 -	8.08
26.5	9.14 30.0	MFCA	Medium greenish grey, moderately soft, sericitic phyllite. Short intervals have disseminated green "manganosite" streaks. Incipient gouges near EOI. Thin bxa zones near EOI. Trace disseminated pyrite.	26½-30 04260	Tr		8.08 -	9.14
30.0	10.97 36.0	PyTF	Pale greenish grey, angular to subrounded altered volcanic breccia clasts in a dark grey fine grained bxa matrix. Clasts up to 2cm across. Up to 30% fine pyrite disseminated in matrix. Py also occurs along fractures in clasts. About 50% clasts.	30-33 04261	3.70		9.14 -	10.06
				33-36 04262	0.82		10.06 -	10.97

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

HOLE NUMBER: GR94B10

LEVEL:
SECTION:
AZIMUTH:
DIP:
LATITUDE:
LONGITUDE:
ELEVATION:

-40° to west Logged in feet
L. Pigage Oct 14, 1994

PAGE 2 OF 2

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S
36.0	50.0 (15.24)	MFCA	Medium greenish gray, soft, foliated, sericitic phyllite. Short intervals of dark maroon unaltered mafic volcanics. Locally contains minor dark green "masiposite" sheaks. Relict phenocrysts visible. Trace pyrite as disseminated specks	36-39 09263	FE		10.97 - 11.89
				39-42 09264	FE		11.89 - 12.8
				42-45 09265	FE		12.80 - 13.7
				45-47 09266	0.07		13.72 - 14.3
				47-50 09267	FE		14.33 - 15.2
			EOH = 50				

NORTH AMERICAN METALS CORP
LITHOLOGICAL LOGGING SHEET

LEVEL: GRIZZLY
SECTION: 23640 N
AZIMUTH: 270°
DIP: -75°

LATITUDE: 23640 N
LONGITUDE: 25037.5 E
ELEVATION: 1003.4

LOGGED IN FEET
L. PIGAGE
OCT 15, 1994

HOLE NUMBER: (GR94B11) G94UG112
PAGE 1 OF 1

FROM	TO	RX CODE	DESCRIPTION	SAMPLE #	Au	Ag	S	
0.0	2.59 8.5	MFCA	Light grey, moderately soft, pervasively foliated, massive sericitic	K-00947 0-3.5	TR		0.0	-1.0[illegible]
			phyllite. Highly altered volcanics. Trace marcasite as scattered	00948 3.5-8.5	TR		1.07-	2.5[illegible]
			specks locally. Trace pyrite as scattered specks. Recovery 60%.					
8.5	3.35 11.0	MFCA	Pale pink massive altered volcanics. Small interval of pale	K-00949 8.5-11	.07		2.59-	3.35
			grey MFCA at 10 feet. Trace pyrite as disseminated					
			specks. Recovery 30-50%					
11.0	3.66 12.0	GOUG	FEW lumps of pale grey soft MFCA mud gouge. Could be	K.00950 11-12	TR		3.35	-3.6[illegible]
			PYGF - pyrite not readily visible. Recovery 30%					
12.0	4.88 16.0	MFTF	Dark maroon massive, porphyritic volcanic. Feldspar phenocrysts are	K-04268 12-14	TR		3.66	-4.[illegible]
			subhedral and constitute about 30% of unit or less. Locally unit is	K-04269 14-16	.07		4.27	-4.[illegible]
			dark green rather than dark maroon. Recovery 50-70%. Also					
			contains scattered dark green phenocrysts. No readily visible pyrite.					

GOLDEN BEAR OPERATING COMPANY

DATE: October 9/94

MINE ASSAY REPORT (Drill SAMPLES)
Underground

ASSAYER: A. Hen

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
S 1084		0.07				
85		TR				
86		0.21				
87		0.27				
88		0.14				
89		0.14				
90		0.34				
91		0.34				
92		0.55				
93		0.41				
94		0.07				
95		0.14				
96		0.21				
97		0.14				
98		0.27				

GOLDEN BEAR OPERATING COMPANY

DATE: October 10/94

MINE ASSAY REPORT (Drill SAMPLES)
Underground

ASSAYER: M. Hegan

	TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
	K 00921		2.40				
	22		0.48				
	23		0.07				
	24		0.21				
	25		0.14				
	26		0.34				
	27		0.21				
	28		0.07				
	29		0.14				
	30		0.27				
	31		0.14				
	32		0.14				
	33		0.21				
	34		0.07				
	35		0.14				
	36		0.07				

GOLDEN BEAR OPERATING COMPANY

DATE: October 10/94

MINE ASSAY REPORT (Drill SAMPLES) Underground

ASSAYER: M. Hegar

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
K 000976		2.40				
77		0.48				
78		0.07				
79		0.21				
80		0.14				
81		0.34				
82		0.21				
83		0.07				
84		0.14				
85		0.27				
86		0.14				
87		0.14				
88		0.21				
89		0.07				
90		0.14				
91		0.07				

GOLDEN BEAR OPERATING COMPANY

DATE: October 15/94

MINE ASSAY REPORT (Drill SAMPLES)

ASSAYER: W. Heer

Underground

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
K 00935		TR				
GR94B06 36		0.14				
37		0.07				
38		TR				
39		0.02				
40		0.62				
41		0.21				
DDH 42		0.07				
GR94B09 43		TR				
44		TR				
45		0.09				
46		TR				
K 00971		TR				
22		TR				
GR94B06 23		TR				
24		0.14				
25		0.14				

GOLDEN BEAR OPERATING COMPANY

MINE ASSAY REPORT (Drill SAMPLES)
Underground

DATE: October 12/94

ASSAYER: A. Ha

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
K 00951		TR				
52		2.54				
53		0.02				
54		0.02				
55		0.14				
56		TR				
00992		0.21				
93		0.14				
94		0.03				
95		TR				
96		TR				
97		0.21				
98		0.21				
99		0.14				
1000		0.34				

GOLDEN BEAR OPERATING COMPANY

DATE: October 13/94

MINE ASSAY REPORT (Drill SAMPLES)
Underground

ASSAYER: A. Hop

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
K 00957		TR				
58						
59						
60						
61						
62						
63						
64						
65		0.69				
66		0.07				
67		0.27				
68		TR				
69		TR				
70		0.14				

GOLDEN BEAR OPERATING COMPANY DATE: October 15/90

MINE ASSAY REPORT (D.D.H. SAMPLES) ASSAYER: D. Hoe

Underground

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
K 00935		TR				
GR94B06 36		0.14				
37		0.07				
38		TR				
39		0.07				
40		0.62				
41		0.21				
DDH 42		0.07				
GR94B09 43		TR				
44		TR				
45		0.01				
46		TR				
K1 00901		TR				
22		TR				
GR94B06 23		TR				
24		0.11				
25		0.14				

GOLDEN BEAR OPERATING COMPANY

DATE: October 15/94

MINE ASSAY REPORT (Drill SAMPLES)
Underground

ASSAYER: A. Hem

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
K 00951		0.14				
42 52		0.24				
53		TR				
54		0.41				
55		0.14				
56		TR				
57		TR				
58		0.21				
59		0.02				
60		TR				
61		3.20				
62		0.82				
63		TR				
64		TR				
65		TR				
66		0.07				
67		TR				

APPENDIX III

(G94UG113 - Log and Assay Certificates)

NORTH AMERICAN METALS CORP
DRILL LOG COVER SHEET

DATE: _____ PAGE 1 OF

DRILL HOLE # GRUG113 PROJECT AREA: GRIZZLY RAMP SECTION: 23600N

DRILL HOLE LOCATION DATA

EASTING: 25029.962
NORTHING: 23601.279
ELEVATION: 1011.073
HOLE LENGTH (M): 112.17

DRILL DIARY

STARTING DATE: NOV 26, 1994 (DD/MM/YYYY)
COMPLETION DATE: DEC 1/ 1994 (DD/MM/YYYY)
LOGGED BY: BPN INTERACTOR
CONTRACTOR: ADVANCED CORE SIZE: NQ
SURVEYED BY: EDITED BY:

DOWN HOLE SURVEY DATA

SURVEY LEVEL	DEPTH	AZIMUTH	DIP (+/-)	TEST TYPE
COLLAR	0.00	284.8°	-42.65	SURVEY
1	51.20	287°	-45	SPERRY
2	112.17	288°	-44.5	"
3				
4				
5				

PURPOSE: GRIZZLY ZONE DEFINITION.

LITHOLOGY SUMMARY

FROM	TO	ROCK CODE	REMARKS	FROM	TO	ROCK CODE	REMARKS

COMMENTS: HIGH WATER FLOW - 25.3M. I 300 gpm.

CHECK LIST | ASSAY REPORT | CORE PHOTOS

NORTH AMERICAN METALS CORP
LITHOLOGY LOGGING SHEET

c:\data\expl-geo\lithol.wk3 DDH G94UG113

FROM	TO	FLAG	ROCK CODE	COLOR	TEXT 1	TEXT 2	TEXT 3	TEXT 4	STRUCT INT	ALN INT	STRUCT 1 FT/TH/AN	STRUCT 2 FT/TH/AN	MINERALIZATION MINERAL//HOW//AMOUNT	FROM	TO	SAMPLE #	RECOV	Au g/t	Ag g/t
0	1.22		CASE																
		- casing 0 to 1.22m																	
1.22	11.88		MFCA	AG	BD	VN	BX		12	24	BD/0/50	FR/0/60	PY/DS/1.0	1.22	3.22	16201	1.75	TR	
		- greyish green to reddy-tan, thin bedded carbonatized tuffs. Bedded												3.22	5.22	16202	2.00	0.07	
		@ 50° TCA. Weakly to locally moderately qtz veined 0.2-0.5cm wide,												5.22	7.22	16203	2.02	0.31	
		often 50-60° TCA, 1 every 10-50cm. Local flakes of fuchsite, partic												7.22	9.22	16204	2.00	0.07	
		6.0-7.0m. Pyrite as dissem - wisps, 1% average. Locally 3-5%.												9.22	11.22	16205	1.97	0.03	
		Minor Bx in 3-5% py @ 6.00-6.40m												11.22	11.88	16206	0.66	0.07	
11.86	16.90		CHRT	N	BX	BD	VG	CR	12		FR/0/60	BD/0/40	PY/DS/TR	11.88	12.88	16207	1.00	0.07	
		- black, brecciated chert. Locally only crackled, bedding visible												12.88	13.88	16208	0.70	0.07	
		in a few frags @ 40° TCA (assuming no rotation). Breccia rehealed,												13.88	14.88	16209	0.65	0.27	
		but vugs or spaces persist. Fracts common @ 60° TCA. Trace												14.88	15.88	16210	0.48	0.14	
		very fine grained pyrite as disseminations. Core broken in poor												15.88	16.90	16211	0.35	0.07	
		recovery from 13.88 - 16.90m.																	
		* this unit could also be interpreted to be a silicified argillite!																	
		- upper + lower contacts sharp @ 60° TCA																	

NORTH AMERICAN METALS CORP
LITHOLOGY LOGGING SHEET

c:\data\expl-geo\lithol.wk3

DDH G94UG113

FROM	TO	FLAG	ROCK CODE	COLOR	TEXT 1	TEXT 2	TEXT 3	TEXT 4	STRUCT INT	ALN INT	STRUCT 1 FT/TH/AN	STRUCT 2 FT/TH/AN	MINERALIZATION MINERAL//HOW//AMOUNT
16.90	25.30		DOLO	W	MS	VG	BD		14	22	FR/0/55		PY/VN/0.1
		- white to very pale grey massive dolomite. Contains fairly abundant vugs (etched appearance) to 0.5cm in size. Bedding visible only in upper 2.0m @ ≈30°TCA. Only locally siliceous (upper 2.0m) w/ minor py on fracts in silica zones. Fracts common @ 55°TCA. Core is locally moderately to strongly broken. Moderate to heavy core loss from 20.72 - 25.30 m. Lower contact rubbly (@ fault that produced 150 gal/min H_2O).											
25.30	28.34	FZ	LOST										
		- recovered ≈10cm core from 10' of drilling - wore up almost an entire bit on this section. Frags of both a DOLO + black chert in the ground rubble.											
28.34	32.39		DOSB	5A	BX	VN			22	26		LC/0/60	PY/DS/TR
		- medium grey, strongly brecciated and silicified dolomite. Bx now silica resealed minor ankerite veining locally. Very broken core w/ heavy loss from 28.34 - 31.39. Lower contact w/ RHDY sharp @ 60°TCA											
32.39	37.54		RHDY	GA	MS	GO			16	14	UC/0/60	LC/0/20	PY/DS/1.0
		- medium grey, massive felsic dyke. Moderately clay altered. Contains ≤1% very fine dissem pyrite. From 36.20 m to 37.54 unit is strongly fractured w/ ≈3-5% gouge on fracts and ≤2.0% dissem py.											

FROM	TO	SAMPLE #	RECOV	Au g/t	Ag g/t
16.90	17.90	16212	0.85	0.14	
17.90	18.90	16213	0.80	0.07	
18.90	19.90	16214	0.80	Tr	
19.90	20.90	16215	0.70	Tr	
20.90	22.25	16216	0.60	0.14	
22.25	23.77	16217	0.45	0.07	
23.77	25.30	16218	0.50	0.07	
25.30	28.34	16219	0.10	Tr	
28.34	31.39	16220	0.35	Tr	
31.39	32.39	16221	0.60	Tr	
32.39	33.39	16222	0.95	Tr	
33.39	34.39	16223	0.95	0.07	
34.39	35.39	16224	0.95	Tr	
35.39	36.17	16225	0.80	0.07	
36.17	36.87	16226	0.70	0.27	

NORTH AMERICAN METALS CORP
LITHOLOGY LOGGING SHEET

c:\data\expl-geo\litho1.wk3 DDH G94UG113

FROM	TO	FLAG	ROCK CODE	COLOR	TEXT 1	TEXT 2	TEXT 3	TEXT 4	STRUCT INT	ALTN INT	STRUCT 1 FT/TH/AN	STRUCT 2 FT/TH/AN	MINERALIZATION MINERAL//HOW//AMOUNT	FROM	TO	SAMPLE #	RECOV	Au g/t	Ag g/t
	37.54													36.87	37.54	16227	0.70	0.34	
37.54	40.23		DOSB	5A	BX	VG	GO		14	26	VC/0/20		PY/DS/05	37.54	38.55	16228	0.70	0.14	
		- medium grey, thoroughly brecciated and strongly silicified dolomite. Moderately broken. Upper contact w RHDY @ 20° TCA and gouge. ± 5% veins to 0.3 cm on core surface. Trace to 0.5% disseminated. Rare gouge surface. No regular fracture orientations												38.55	39.55	16229	0.72	0.07	
														39.55	40.23	16230	0.65	TR	
40.23	41.23		RHDY	GA	MS	GO			24	14	LC/0/15		PY/DS/2.0	40.23	41.23	16231	0.80	TR	
		- greenish grey massive, fine grained felsic dyke. Considerably fracturing w gouge but no brecciation or rotation. Gouge ≤ 5%. Lower contact @ 15° TCA. Contains ± 2% fine grained, euhedral pyrite.																	
41.23	43.48		DOSB	5A	BX	VG			12	26	VC/0/15	LC/0/60	PY/DS/TR	41.23	42.44	16232	1.10	TR	
		- medium grey, well brecciated and strongly silicified dolomite. Core moderately to strongly broken, but angular. Upper contact @ 15° TCA. Contains trace disseminated pyrite. Numerous veins to 0.5 cm.												42.44	43.48	16233	0.90	TR	
43.48	50.78		RHDY	GA	MS	GO			12	14	FR/0/55	LC/0/45	PY/DS/1.0	43.48	44.48	16234	1.00	0.14	
		- greenish grey, fine grained felsic dyke. Massive except for well fractured w ± 5-10% gouge from 50.38 - 50.78. Occ gouge fractures throughout interval. Fracs common @ 55° TCA. Upper contact @ 60° TCA. Lower contact @ 45° TCA. Contains ± 0.5-1.0 % disseminated pyrite throughout ± veinlets up to 1 cm												44.48	45.48	16235	1.00	TR	
														45.48	46.48	16236	0.95	TR	
														46.48	47.48	16237	0.95	TR	
														47.48	48.48	16238	0.95	TR	

NORTH AMERICAN METALS CORP
LITHOLOGY LOGGING SHEET

c:\data\expl-geo\lithol.wk3 DDH G94UG113

FROM	TO	FLAG	ROCK CODE	COLOR	TEXT 1	TEXT 2	TEXT 3	TEXT 4	STRUCT INT	ALTN INT	STRUCT 1 FT/TH/AN	STRUCT 2 FT/TH/AN	MINERALIZATION MINERAL//HOW//AMOUNT
43.48	50.78												
82.55	82.95		BSDY	N	MS				0	0			
		- sharp contacts; massive black aphanitic, undeformed basalt dyke.											
50.78	87.02		DOSB	5A	Bx	VG			12	26	FR/0/45	UC/0/45	PY/DS/TR
		MED GRY, STRONG FRAC. BREC. HARD, SLIGHT CALCARIOUS, STRONG SIL. CARB.											
		5% VUGS ALONG FRAC. LOCALLY FOSS. FRAG. LOCALLY ROD SLICKENSIDE - 30° TO											
		CORE ACCESS. CORE GENERALLY BROKEN UP. 75.6-75.78 RHDY - FINE DEG DYR.											
		82.68 - 82.88 - BANDED ARGILITE. LOWER CONTACT NOT APPARENT.											

FROM	TO	SAMPLE #	RECOV	Au g/t	Ag g/t
48.48	49.48	16239	1.00	0.07	
49.48	50.48	16240	0.95	TR	
50.48	50.78	16241	0.30	0.21	
50.78	51.78	16242	0.70	0.07	
51.78	52.78	16243	0.85	TR	
52.78	53.78	16244	0.95	TR	
53.78	54.78	16245	0.90	TR	
54.78	55.78	16246	0.85	0.07	
55.78	56.78	16247	0.70	TR	
56.78	57.78	16248	0.65	TR	
57.78	58.78	16249	0.75	TR	
58.78	59.78	16250	0.91	0.34	
59.78	60.78	16251	0.93	TR	
60.78	61.78	16252	0.90	0.07	
61.78	62.78	53	.73	TR	
62.78	63.78	54	.81	TR	
63.78	64.78	55	.81	TR	
64.78	65.78	16256	.81	TR	
65.78	66.78	16257	83	TR	
66.78	67.78	58	.58	TR	
67.78	68.78	59	.83	0.07	
68.78	69.78	16260	.58	TR	
69.78	70.78	61	1.00	0.14	

NORTH AMERICAN METALS CORP
LITHOLOGY LOGGING SHEET

c:\data\expl--geo\lithol.wk3 DDH G94U6113

FROM	TO	FLAG	ROCK CODE	COLOR	TEXT 1	TEXT 2	TEXT 3	TEXT 4	STRUCT INT	ALIN INT	STRUCT 1 FT/TH/AN	STRUCT 2 FT/TH/AN	MINERALIZATION MINERAL//HOW//AMOUNT
58.78	87.02												
87.02	89.01		MFLA	GG	GO	BX	FR	-	28	16			

LIGHT GREEN - FINE-MED GRAIN, DIABREC, FRAGMENTED AT BOREHOLE - INTERMIXING TO GOUGE, HIGHLY ALT. VOLCANICS.

FROM	TO	SAMPLE #	RECOV	Au g/t	Ag g/t
70.78	71.78	16262	.43	TR	
71.78	72.78	16263	.30	TR	
72.78	73.78	16264	.23	0.14	
73.78	74.78	16265	.88	TR	
74.78	75.78	16266	.99	0.07	
75.78	76.78	16267	.92	TR	
76.78	77.78	16268	.90	0.07	
77.78	78.78	16269	.93	0.07	
78.78	79.78	16270	.89	TR	
79.78	80.78	16271	.96	TR	
80.78	81.78	16272	.78	0.07	
81.78	82.78	16273	.51	TR	
82.78	83.78	16274	.97	TR	
83.78	84.78	16275	.60	0.07	
84.78	85.78	16276	.97	TR	
85.78	87.02	16277	.48	TR	
87.02	88.28	16278	.53	0.82	
88.28	89.10	16279	.84	0.07	

NORTH AMERICAN METALS CORP
LITHOLOGY LOGGING SHEET

c:\data\expl-geo\litho1.wk3 DDH G94UG113

FROM	TO	FLAG	ROCK CODE	COLOR	TEXT 1	TEXT 2	TEXT 3	TEXT 4	STRUCT INT	AUN INT	STRUCT 1 FT/TH/AN	STRUCT 2 FT/TH/AN	MINERALIZATION MINERAL//HOW//AMOUNT
89.01	90.46		MFCA	AG.	BX.	FR.			26	16			
		ALTERED VOL. LIGHT GREY-GREEN, FINE GRAIN, MOD. HARD, BRECCARBONATE. MINOR PYR, 89.31-89.38-GOUGE. 89.81-BSDY FRAG, CONTACT ∠-75° TO CA.											
90.46	92.63		BSDY.	2A	MS	PP			Ø	-	UC/0/58 LC/0/50°		
		BASALTIC DYKE, FINE GRAIN MASSIVE, BLACK-DARK GREY- MED HARD, LOCALIZED PHENOCRYSTS, 1% TO 10% NARROW RANDOM CALCITE VEINLETS,											
92.63	94.49		DOSB	WA.	BX	FR	GO		26	16	UG/0/70° LC/0/70°		MIN. PY
		DOLOMITE-SIL.-BREC-WHITE-GREY-FINE GRAIN-MED HARD-CALCITE VEIN,											
		PASS DOLOM. MINOR VUGS, 93.64-93.90 - GOUGE-DARK GREY-WITH ±15% CARB											
		BREC 10-20MM, -10MM MUD ON LOWER CONTACT											
94.49	95.30		MFCA	WP	BX	FR.	FO		26	16			
		MFCA - WHITE-PALE GREEN. LIMONITE STAIN ON FOLIATION - FOLIATION ±70° AC											
		GRADING INTO ALTERED VOLCANICS.											
95.30	96.16		MFCA	P4	FO	PP	BX		26	12.			
		MFCA - PURPLE - FINE GRAIN - SOFT - 30% CLASTS, WHITE - STRONG LIMONITE STAINING. APPARENT FOLIATION - 60° CA.											

FROM	TO	SAMPLE #	RECOV	Au g/t	Ag g/t
89.01	89.83	16280	.80	TR	
89.83	90.23	16281	1.00	TR	
90.23	90.46	16282	1.00	TR	
92.63	93.64	16283	.90	TR	
93.64	93.90	16284	1.00	TR	
93.90	94.49	16285	.94	TR	
94.49	95.30	16286	.99	0.07	
95.30	96.16	16286	.97	TR	

NORTH AMERICAN METALS CORP
LITHOLOGY LOGGING SHEET

c:\data\expl-geo\lithol.wk3 DDH G94UG113

FROM	TO	FLAG	ROCK CODE	COLOR	TEXT 1	TEXT 2	TEXT 3	TEXT 4	STRUCT INT	ALIN INT	STRUCT 1 FT/TH/AN	STRUCT 2 FT/TH/AN	MINERALIZATION MINERAL//HOW//AMOUNT	FROM	TO	SAMPLE #	RECOV	Au g/t	Ag g/t
96.16	99.87		MFCA	PG	MS	BX			14	12.	DV	DV/.11/45							

MFCA - FAIRLY MASSIVE, MOD HARD, LIMONITE - HEMATITE STAINING, MINOR BREC. 5% SIL. VEINLETS, 96.56 - 96.67, DOCH - WHITE - PURPLE FINE GRAIN - 45°CA, SOFT, FRAC.

99.87	103.18		MFCA	W.P.	BX.	FO	MS.		14	19									

MFCA - BREC, FINE GRAIN, SOME BLEACHING,

103.18	112.17		MFCA	G5	MS.	BX	FR		0	0									

MFCA - GREEN - FINE GRAIN - MASSIVE - HARD, MINOR HEM. ALONG FRAC. MINOR BREC. 108.8 - 110.64 - INCREASE IN BREC. + FOLIATION.

EOH.

GOLDEN BEAR OPERATING COMPANY

DATE: Dec. 1, 1994

MINE ASSAY REPORT (SAMPLES)

ASSAYER: D

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %
16201		TR		
2		.07		
3		.31		
4		.07		
5		.03		
6		.07		
7		.07		
8		.07		
9		.27		
10		.14		
11		.07		
12		.14		
16213		.07		

GOLDEN BEAR OPERATING COMPANY

DATE: December 3/94

MINE ASSAY REPORT (Drill SAMPLES)
Underground

ASSAYER: A. Hepp

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S=
16214	D.H. # 113	TR				
15		TR				
16		0.14				
17		0.07				
18		0.07				
19		TR				
20		TR				
21		TR				
22		TR				
23		0.07				
24		TR				
25		0.07				
26		0.27				
27		0.34				
28		0.14				
29		0.07				
30		TR				
31		TR				
32		TR				
33		TR				
34		0.14				
35		TR				
36		TR				
37		TR				

GOLDEN BEAR OPERATING COMPANY

DATE: December 3/94

MINE ASSAY REPORT (Drill SAMPLES)
Underground

ASSAYER: A. Hepp

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	P
16238		TR				
39		0.07				
40		TR				
41		0.21				
42		0.07				
43		TR				
44		TR				
45		TR				
46		0.07				
47		TR				
48		TR				
49		TR				
50		0.34				
51		TR				

GOLDEN BEAR OPERATING COMPANY

DATE: December 4/94

MINE ASSAY REPORT (Drill SAMPLES)
Underground

ASSAYER: H. Hepr

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
16252	UGDH # 113	0.07				
53		TR				
54		TR				
55		TR				
56		TR				
57		TR				
58		TR				
59		0.07				
60		TR				
61		0.14				
62		TR				
63		TR				
64		0.14				
65		TR				
66		0.07				
67		TR				
68		0.07				
69		0.07				
70		TR				
71		TR				
72		0.07				
73		TR				
74		TR				
75		0.07				

GOLDEN BEAR OPERATING COMPANY

DATE: December 5/94

MINE ASSAY REPORT (Drill SAMPLES)
Underground

ASSAYER: A. Hepp

TAG NUMBER	SAMPLE DESCRIPTION	Au g/t	Ag g/t	C %	S %	S= %
16276	DH # 113	TR				
77		TR				
78		0.82				
79		0.07				
80		TR				
81		TR				
82		TR				
83		TR				
84		TR				
85		TR				
86		0.07				
87		TR				

APPENDIX IV

(Statement of Qualifications)

Statement of Qualifications

I, Andrew P. Hamilton, with a residence address of #201-2166 West 8th Avenue, Vancouver, B.C., V6K 2A4, do hereby certify that:

1. I am a graduate of the University of British Columbia at Vancouver, B.C. with a Bachelor of Science Degree in Geological Sciences (1991).

2. I have been involved in the mineral exploration industry since 1981, and have practised my profession as a Geologist in the Northwest Territories and British Columbia since 1991.

3. I am registered as a Geoscientist-in-Training with the Association of Professional Engineers and Geoscientists of British Columbia.

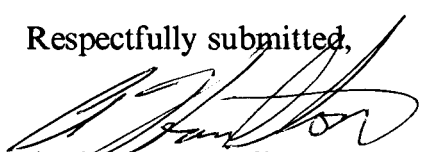
4. I am presently employed as a Geologist by North American Metals Corp. of #1500-700 West Pender Street, Vancouver, B.C.

5. I have no direct or indirect financial interest in any company known by me to have an interest in the mineral properties described in this report, nor do I expect to receive any such interest.

6. I am the author of this report.

Dated at Vancouver, B.C. this 22ND day of DECEMBER, 1994.

Respectfully submitted,



Andrew P. Hamilton

APPENDIX V

(Statement of Costs)

North American Metals Corp.

GRIZZLY PROJECT
EXPLORE B.C. Grant No. 94/95A–17

STATEMENT OF COSTS

For the Period July 1, 1994 to November 30, 1994

Salaries & Wages		
	Underground Miners	192,233
	Underground Mechanics	101,408
	Technicians	51,307
	Supervisory	21,270
	Underground Bonus	166,365
		532,583
Supplies		
	Timber & Ground Support	31,183
	Explosives	95,758
	Fuel	55,995
	Electrical	63,282
	Pipes/Valves	24,294
	Tools/Equip. Rentals	62,711
	Drilling	44,374
	Meals & Accom	25,595
	Travel	48,536
	Miscelaneous	140,940
		592,668
TOTAL		1,125,251

22–Dec–94

B88DH021

B93DH194

B93DH193

DD STATION #10

DD STATION #9

DEC 15, 1994
@ 4:00 P.M.

DD STATION #8

BEAR MAIN OPEN PIT

REMUCK #8

DD STATION #7

SUMP #3

DD STATION #6

M.C.C. STATION

B92DH169

DD STATION #5

REMUCK #7

DD STATION #4

B92DH166

B92DH164

DD STATION #3

REMUCK #6

B93DH192

B90DH143

B92DH162

DD STATION #2

REMUCK #5

MINE WATER SUPPLY

B91DH145

B90DH144

DD STATION #1

SUMP #2

B91DH146

REMUCK #4

B92DH175

B91DH149

M.C.C. STATION

B92DH178

B91DH147

REMUCK #3

MINI SUMP

B91DH148

SUMP #1

B91DH150

EQUIPMENT CUTOUT

REMUCK #2

AIR RECEIVER TANK

POWDER MAG

M.C.C. STATION

GRIZZLY 1080 PORTAL

B91DH151

B91DH152

24000.0 N

23750.0 N

23500.0 N

23250.0 N

247500 E

250000 E

252500 E

255000 E

1500

1400

1300

1200

1100

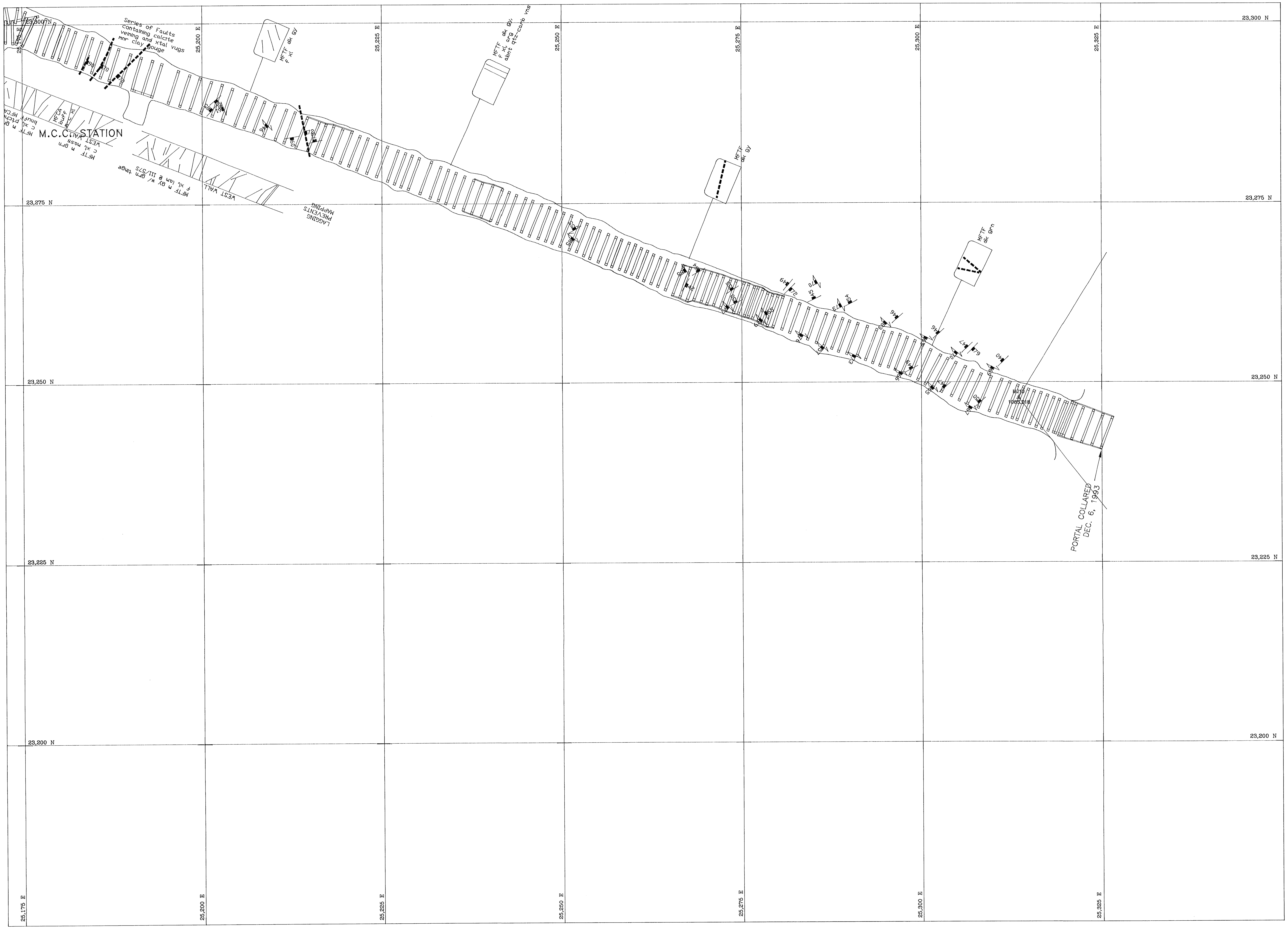
1000

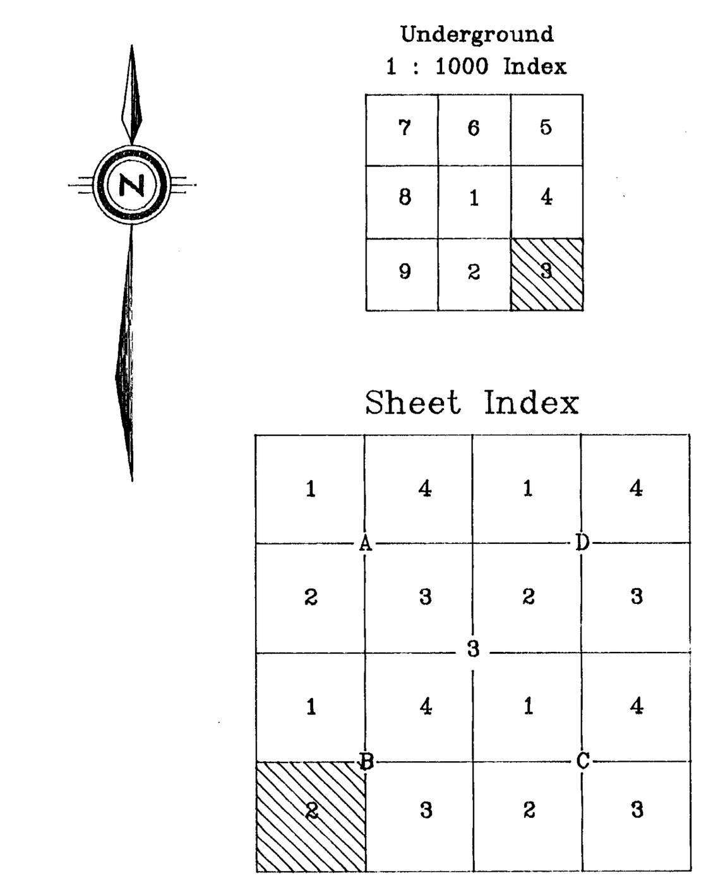
1 : 1,000
SCALE
0 metres 100
20 metre contours

NORTH AMERICAN METALS CORP
GOLDEN BEAR MINE

GRIZZLY DRILLHOLE PLAN
with DECLINE ADVANCE to
DECEMBER 15, 1994

Drawn By: RSm	Date: Dec. 94
Figure # 4	Revisions:
Drawing No: D:\DATA\GRIZZLY\GRIZPLAN	





Scale 1 : 250

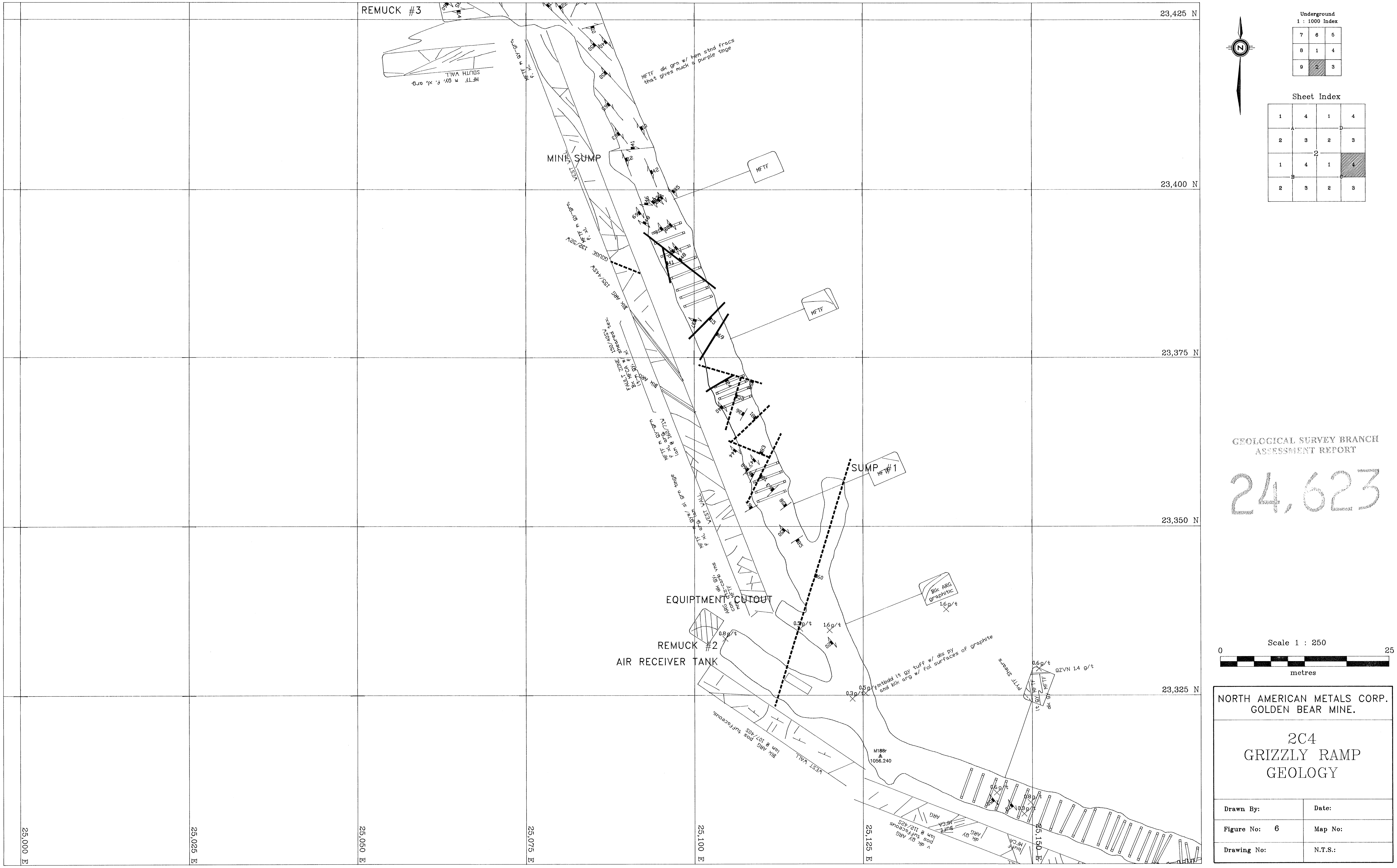
0 25

metres

NORTH AMERICAN METALS CORP.
GOLDEN BEAR MINE.

3B2
GRIZZLY PORTAL
GEOLOGY

Drawn By:	**Date:**
Figure No: 5	**Map No:**
Drawing No:	**N.T.S.:**



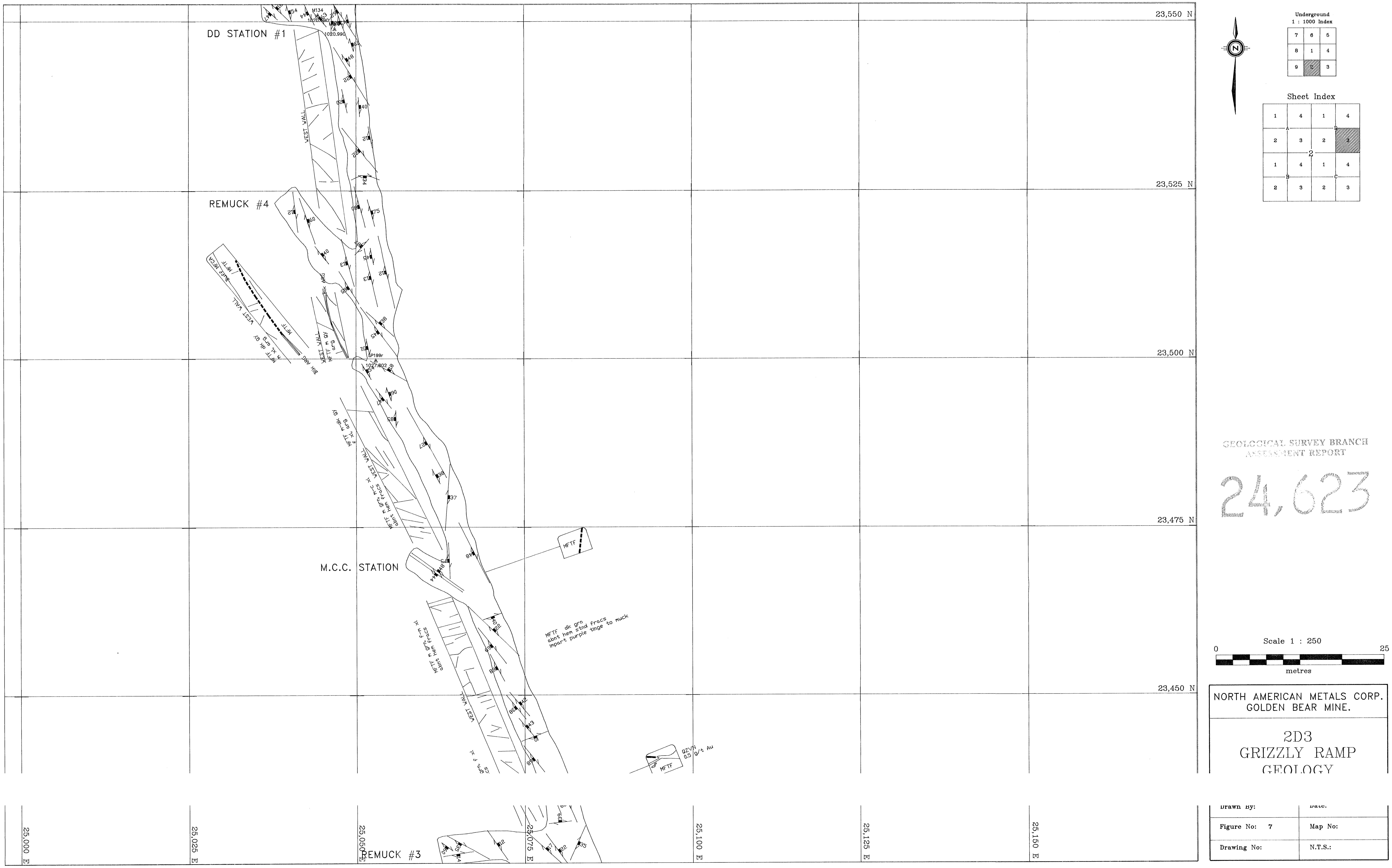
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,623

NORTH AMERICAN METALS CORP.
GOLDEN BEAR MINE.

2C4
GRIZZLY RAMP
GEOLOGY

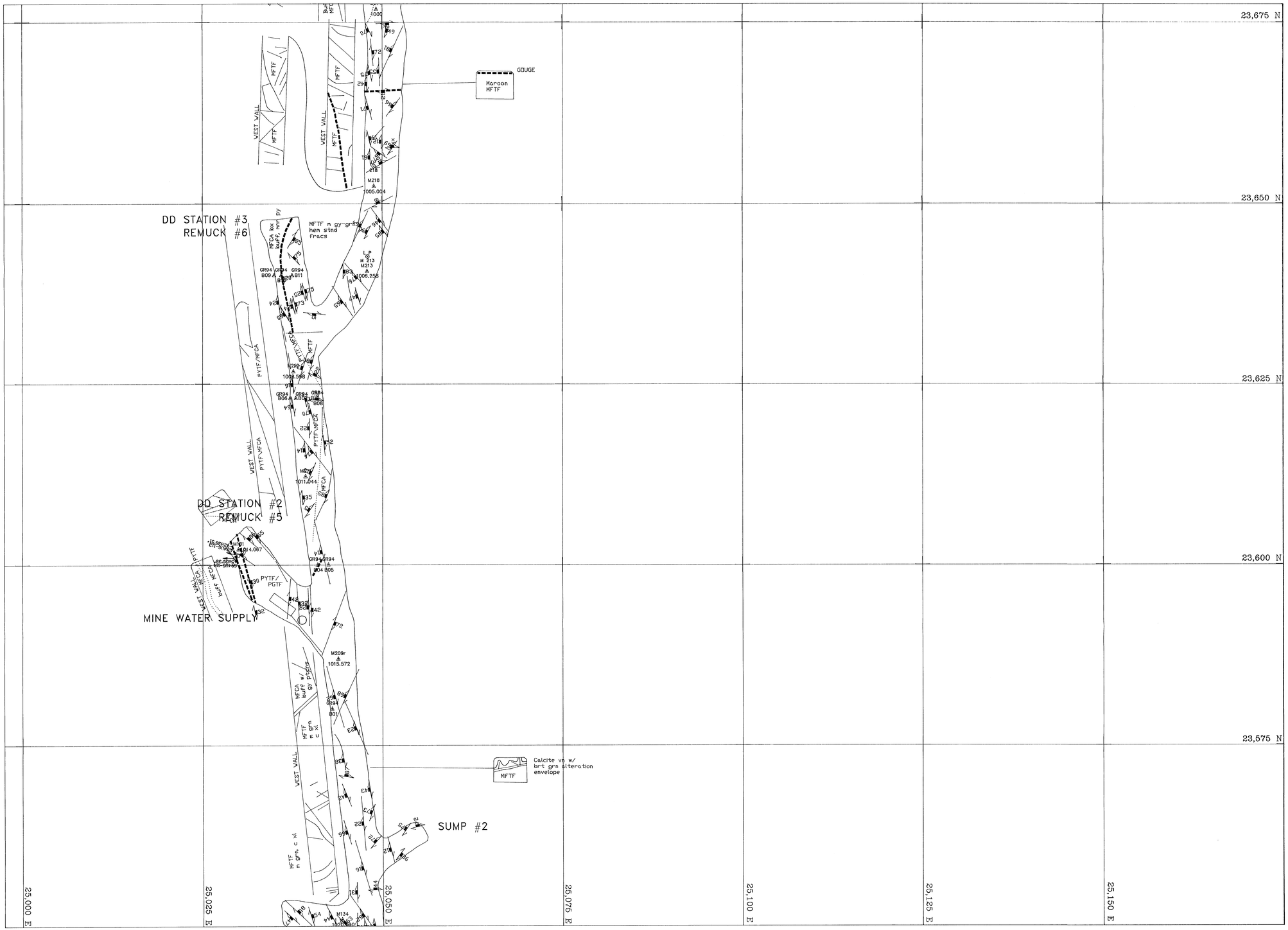
Drawn By:	Date:
Figure No: 6	Map No:
Drawing No:	N.T.S.:



NORTH AMERICAN METALS CORP.
GOLDEN BEAR MINE.

2D3
GRIZZLY RAMP
GEOLOGY

Drawn By:	Date:
Figure No: 7	Map No:
Drawing No:	N.T.S.:



Underground
1 : 1000 Index

7	6	5
8	1	4
9	4	3

Sheet Index

1	4	1	1
2	3	2	3
1	4	1	4
2	3	2	3

A B 2 B C

Scale 1 : 250

0 25

metres

NORTH AMERICAN METALS CORP.
GOLDEN BEAR MINE.

2D4
GRIZZLY RAMP
GEOLOGY

Drawn By:	Date:
Figure No: 8	Map No:
Drawing No:	N.T.S.:

Underground 1 : 1000 Index

Sheet Index

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,623

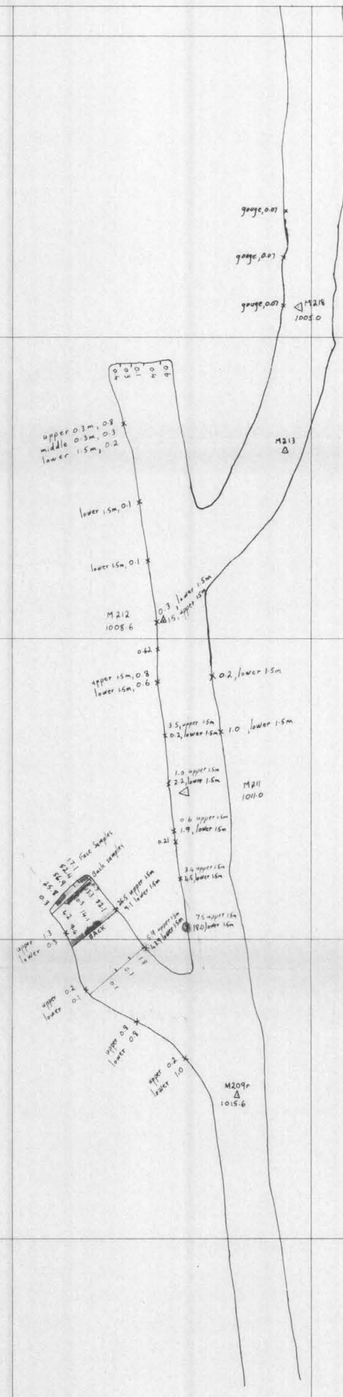
Scale 1 : 250

0 — 25 metres

NORTH AMERICAN METALS CORP.
GOLDEN BEAR MINE.

1C3 GRIZZLY RAMP GEOLOGY

Drawn By:	Date:
Figure No: 9	Map No:
Drawing No:	N.T.S.:



23,675 N
23,650 N
23,625 N
23,600 N
23,575 N

25,000 E
25,025 E
25,050 E
25,075 E
25,100 E
25,125 E
25,150 E

Underground
1 : 1000 Index

7	6	5
8	1	4
9	2	3

Sheet Index

1	4	1	4
A			D
2	3	2	3
		2	
1	4	1	4
B			C
2	3	2	3

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,623

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MEMPR

Scale 1 : 250

0 25

metres

NORTH AMERICAN METALS CORP.
GOLDEN BEAR MINE.

2D4
GRIZZLY RAMP
SAMPLES

Drawn By:	Date:
Figure No: 10	Map No:
Drawing No:	N.T.S.:

DD STATION #6

700 m

14609 - 0.31 x
LOWER 2m

14610 - 0.11 x
LOWER 2m

LPM
@
222
M222
&
986.773

14611 - 0.17 x
LOWER 2m

14608 - 0.07 x
14613 - 0.09 x
14612 - 0.19 x

M.C.C. STATION

M221
&
987.838

14615 - 0.19
LOWER 2m x

DD STATION #5
REMUCK #7

650 m

M220
&
990.497

M219
&
993.238

M217
&
995.829

DD STATION #4

600 m

M216
&
997.312

0.4 x

M214
&
1000

23,800 N

23,775 N

23,750 N

23,725 N

23,700 N

25,000 E

25,025 E

25,050 E

25,075 E

25,100 E

25,125 E

25,150 E

Underground
1 : 1000 Index

7	6	5
8	1	4
9	2	3

Sheet Index

1	4	1	4
2	3	2	3
1	4	1	4
2	3	2	3

A B C D 1

GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,623

Scale 1 : 250

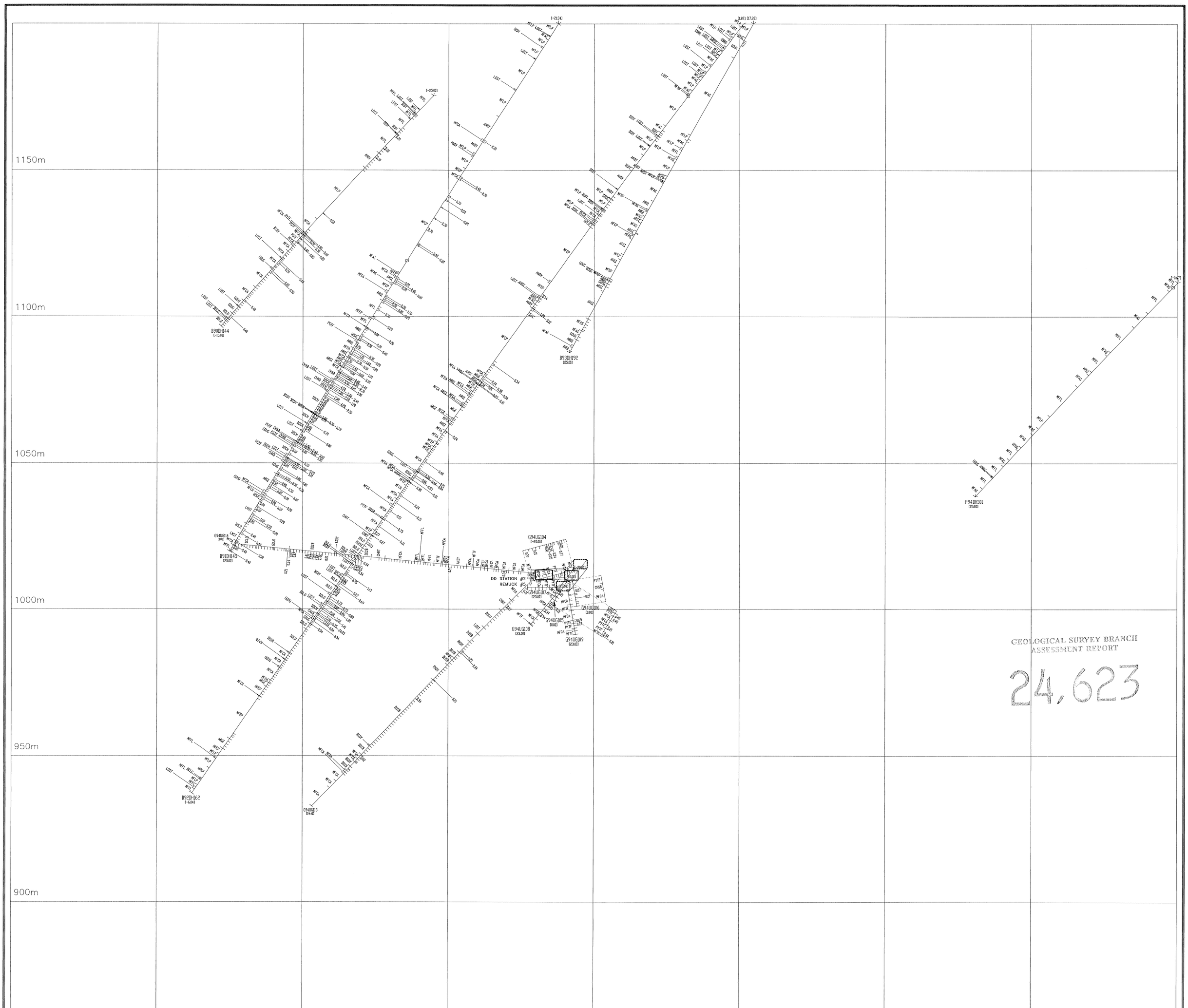
0 25

metres

NORTH AMERICAN METALS CORP.
GOLDEN BEAR MINE.

1C3
GRIZZLY RAMP
SAMPLES

Drawn By:	Date:
Figure No: //	Map No:
Drawing No:	N.T.S.:



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

24,623

LEGEND

DRILL HOLE TRACE

Lithology

Collar

Square indicates where drill hole pierces the plane of the section.

Au assays in grams / tonne

T93DH200 — Drill hole name

[10.00] — Projection distance of drill hole trace normal to the section.

UNDERGROUND WORKINGS

Entering or Leaving Section
On Section Plane
Hidden Corners (looking north)
Exposed Corners (looking north)

60000–1A
A

MINERAL INVENTORY POLYGON

Polygon Number (section / number / polygon category)

POLYGON CATEGORY

A – PROBABLE / Drill intersection on this section and adjacent sections
B – INDICATED / Drill intersection on this section but not on adjacent sections
C – INFERRED / No drill intersections – based on geology

SCALE 1 : 500

0 30 50

metres

NORTH AMERICAN METALS CORP.
GOLDEN BEAR MINE

REVISIONS

No	Item	Date

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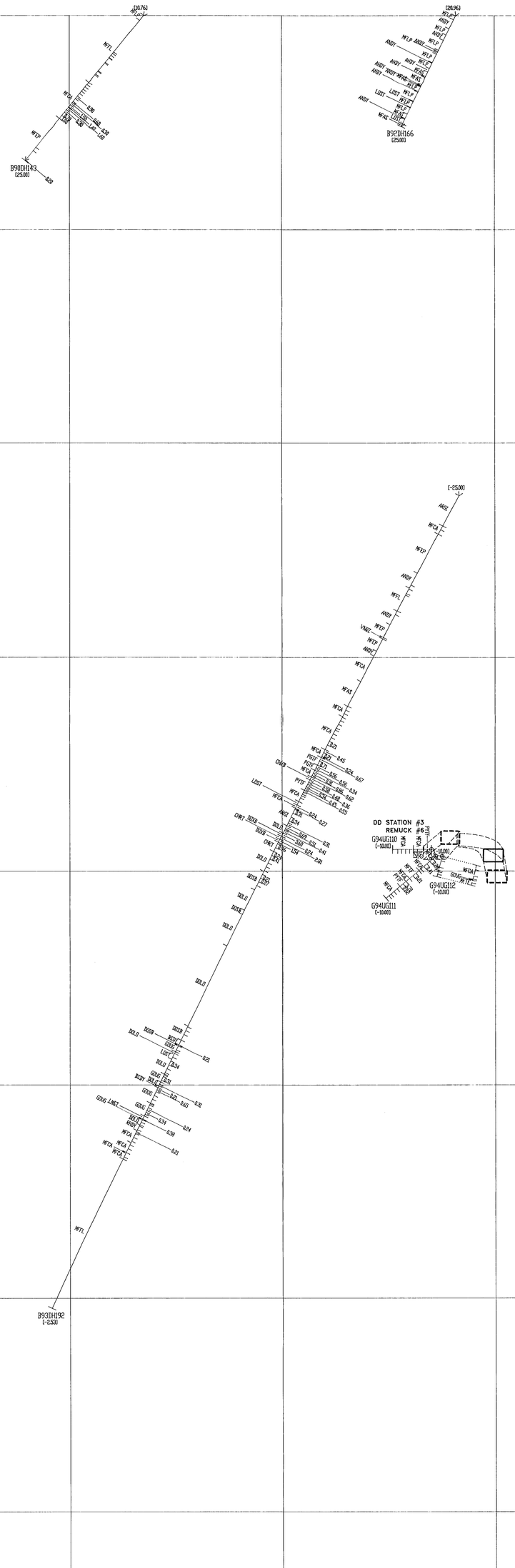
MEMPR

GRIZZLY ZONE
VERTICAL SECTION
G23600N

SECTION THICKNESS = 50 metres
DRILL HOLE LITHOLOGIES & AU ASSAYS
MINERAL INVENTORY POLYGONS

Figure No: 12	File: G23600N.DWG
Drawing No:	
Approved:	Report:
Drawn By: RSm	Date: Dec. 1994



1150m

1100m

1050m

1000m

950m

900m

850m

800m

750m

24900E | 24950E | 25000E | 25050E | 25100E | 25150E | 25200E | 25250E

LEGEND

DRILL HOLE TRACE

Collar

Lithology

Square indicates where drill hole pierces the plane of the section.

Au assays in grams / tonne

T93DH200 — Drill hole name

[10.00] — Projection distance of drill hole trace normal to the section.

UNDERGROUND WORKINGS

Entering or Leaving Section

On Section Plane

Off Section Borders

60000—1A
A

MINERAL INVENTORY POLYGON

Polygon Number (section / number / polygon category)

POLYGON CATEGORY

A — PROBABLE / Drill intersection on this section and adjacent sections
B — INDICATED / Drill intersection on this section but not on adjacent sections
C — INFERRED / No drill intersections — based on geology

SCALE 1 : 500

0 30 50

metres

NORTH AMERICAN METALS CORP.
GOLDEN BEAR MINE

REVISIONS

No	Item	Date

GRIZZLY ZONE
VERTICAL SECTION
23650N

SECTION THICKNESS = 50 metres
DRILL HOLE LITHOLOGIES & AU ASSAYS
MINERAL INVENTORY POLYGONS

Figure No: 13	File:
Drawing No:	
Approved:	Report:
Drawn By: RSm	Date: Dec. 1994