

LOG NO: Feb 19/91	RD.
ACTION:	
FILE NO:	

1990 Assessment Report
on the
SHESLAY PROPERTY

SUB-RECORDER
RECEIVED
FEB 12 1991
M.R. # \$
VANCOUVER, B.C.

N.T.S.: 104J/4W
Long.: 131° 55'W
Lat.: 58° 10'N

OWNERS: Chevron Minerals Limited
400 - 815 West Hastings Street
Vancouver, B.C.
V6C 3G9

and

North American Metals Corporation
1000 - 700 West Pender Street
Vancouver, B.C.
V6C 1G8

OPERATORS: North American Metals Corporation

AUTHOR: D.E. Marud
December 17, 1990

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

Distribution:
2 - Mining Recorder
1 - NAM
1 - Chevron
1 - field

20,940

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1.0 INTRODUCTION

The SHESLAY RIVER Property (Sheslay 1 to 5 claims) was staked on November 29, 1989 by North American Metals Corporation. The property is part of an option agreement between North American Metals Corp. and Chevron Minerals Limited. In August and September of 1990, a geological and geochemical survey was carried out on the Sheslay 1 to 5 claims.

1.1 CLAIM STATUS

All claims are within the Atlin Mining Division and are recorded as shown in Table 1 below. The claims are jointly owned by Chevron Minerals Limited and North American Metals Corporation. As operator North American Metals contracted Homestake Mineral Development Company to conduct all exploration.

CLAIMS	REC. NO.	UNITS	RECORDED	EXPIRY*
SHESLAY #1	3910	20	NOV. 29, 1989	NOV. 29, 1991
SHESLAY #2	3911	20	NOV. 29, 1989	NOV. 29, 1991
SHESLAY #3	3912	20	NOV. 29, 1989	NOV. 29, 1991
SHESLAY #4	3913	20	NOV. 29, 1989	NOV. 29, 1991
SHESLAY #5	3914	20	NOV. 29, 1989	NOV. 29, 1990

*Assuming acceptance of this report

Table 1. Claim Status

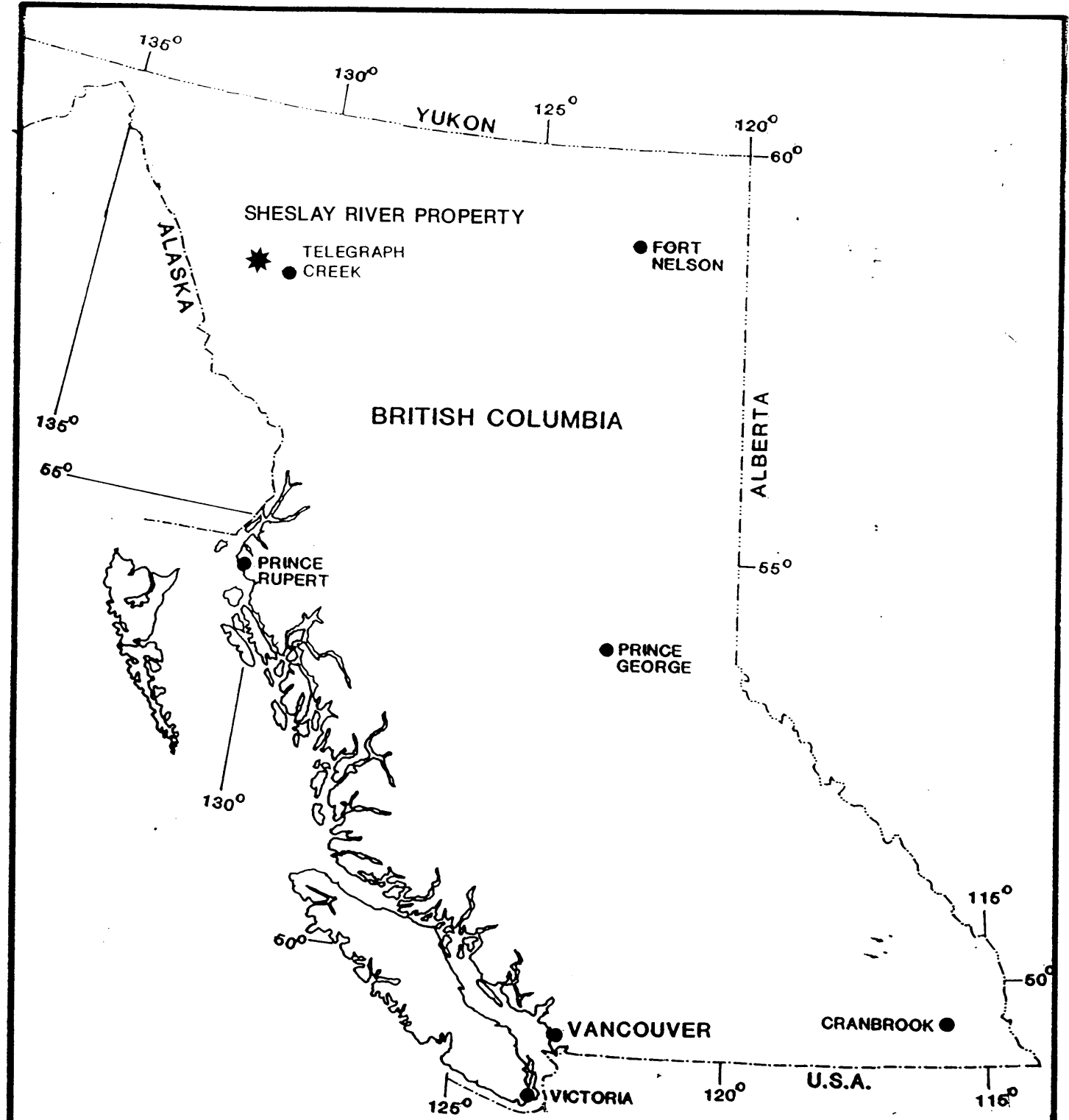
1.2 LOCATION, ACCESS AND PHYSIOGRAPHY

The SHESLAY RIVER property is located in northwestern B.C. approximately 55 kilometers west - northwest of Telegraph Creek on N.T.S. sheet 104J/4W (Figure 1). The property is accessed via the Golden Bear Mine access road which is a side road off the Telegraph Creek - Dease Lake highway. Helicopter access is via Telegraph Creek in the summer and Dease Lake in the winter.

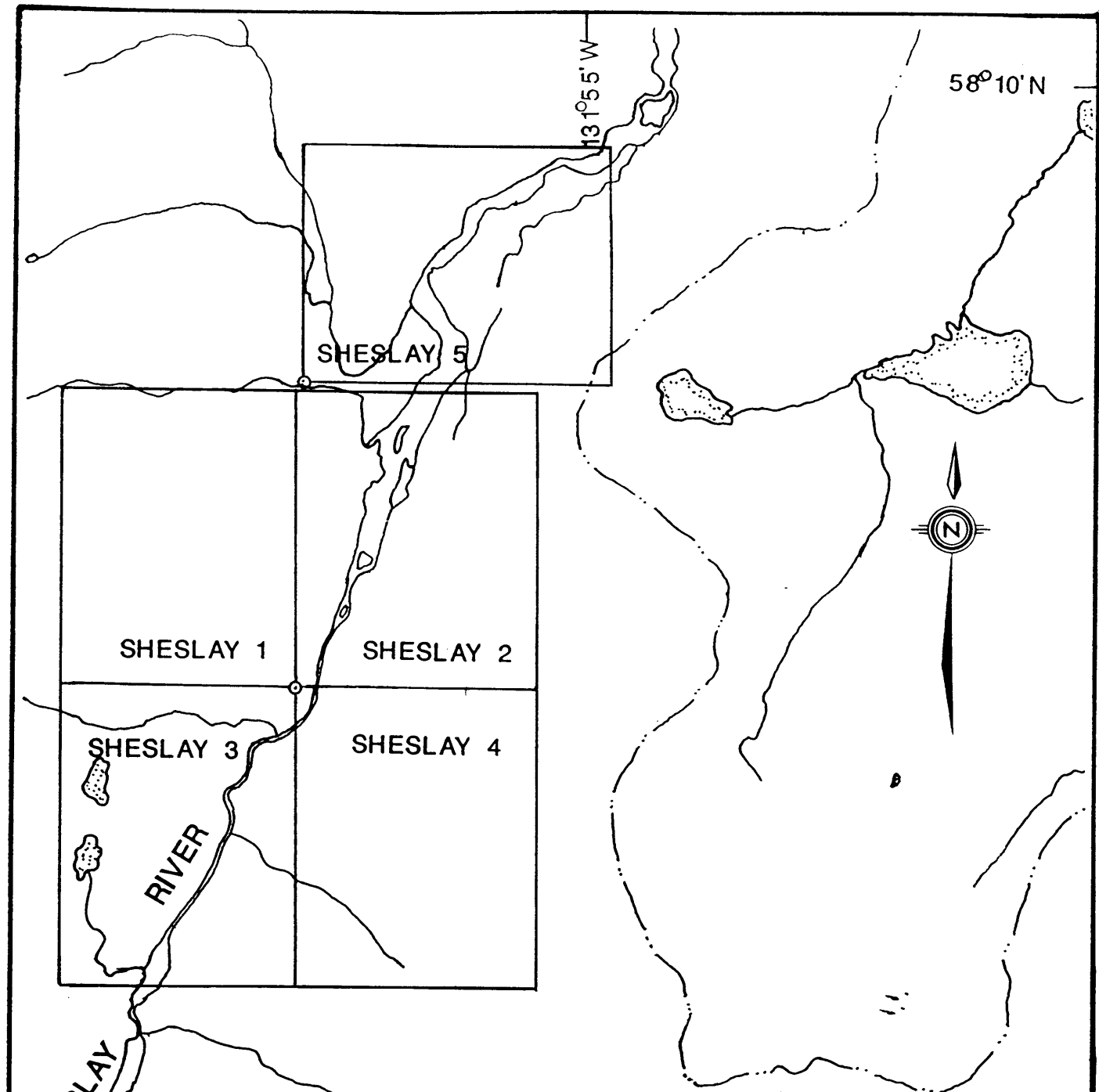
The property lies within the steep sided valley of the Sheslay River. The surrounding terrain is low and rolling to the east but rugged to the west in the Coast Mountain Ranges. Elevations range from 600 meters in the river valley to 2150 meters at the height of land.

1.3 EXPLORATION HISTORY

There is no previous exploration work reported in the immediate property area.



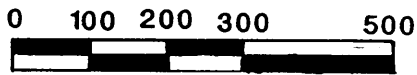
NORTH AMERICAN METALS CORP.			
SHESLAY RIVER PROJECT BRITISH COLUMBIA			
LOCATION MAP			
DRAWN KMc	DATE	FILE CODE	Figure 1
Revised _____			



Drawn as per Mineral Titles Reference Map 104J/4W

NORTH AMERICAN METALS CORP.			
SHESLAY PROPERTY			
DETAILED CLAIM LOCATION			
DRAWN DAM	DATE Dec.9,1990	FILE CODE 104J/4W	FIG. 2
Revised _____			

SCALE 1 : 50000



KILOMETERS

1.4 REGIONAL GEOLOGY

The SHESLAY RIVER property lies within the Stikine terrane, a composite terrane comprised of Paleozoic, Triassic and Jurassic island arc rocks. The basement rocks of the Stikine terrane are known as the Stikine Assemblage and include Devonian to Permian limestones, argillites, cherts and a variety of volcanic and epiclastic rocks (Monger, 1977). The rocks are strongly deformed and stratigraphic relationships are not well understood. Rocks younger than Permian lack diagnostic faunal assemblages and as such can only be defined as pre - Upper Triassic in age. The Stikine Assemblage is overlain by Upper Triassic oceanic arc rocks of the Stuhini Group both of which are cross cut by Upper Triassic and Jurassic intrusive rocks of intermediate to felsic composition. Late Cretaceous to Early Tertiary intermediate to felsic subaerial volcanics and derived sediments of the Sloko Group rest unconformably on the underlying rocks. Sloko Group volcanics are commonly associated with felsic dykes and plugs of quartz monzonite (Souther, 1971). The youngest rocks in the area are basalt flows of the Late Tertiary Level Mountain Group and Heart Peaks Formation. The flows locally overlie glacial till and are in part, of Pleistocene age.

1.5 WORK COMPLETED

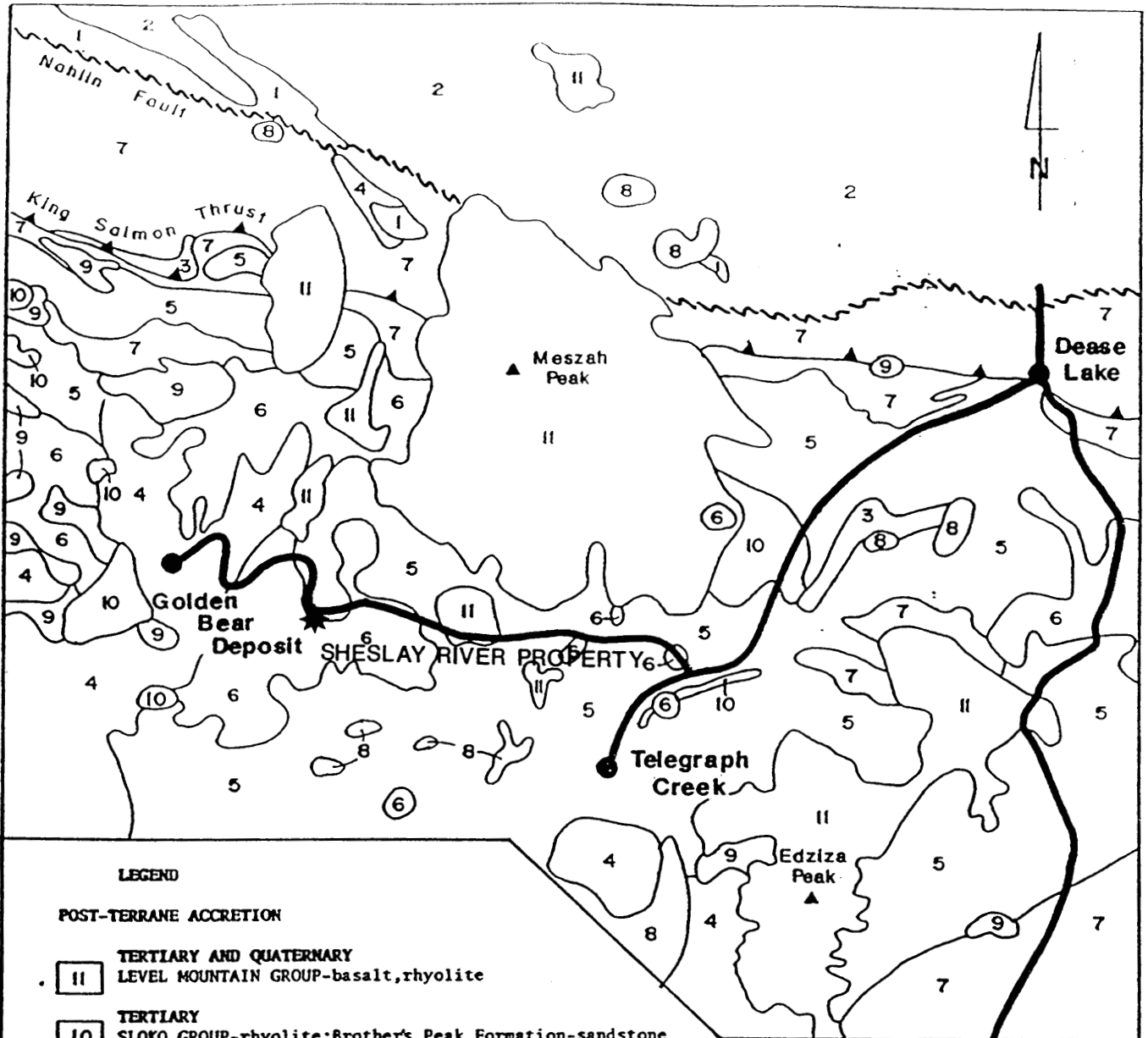
During August and September, 1990 a program of prospecting and reconnaissance mapping and rock and stream sediment sampling was carried out on the Sheslay 1 to 5 claims. A total of twenty - seven stream and eleven rock samples were collected.

2.0 DETAILED TECHNICAL DATA

2.1 METHODS EMPLOYED

Mapping and prospecting was carried out using black and white airphotos and 1:10,000 scale topographic maps for control. All outcrops and sample locations were plotted on the topographic maps as accurately as possible using prominent landmarks and elevation as reference points. All sample locations were marked in the field with orange flagging tape and metal tags; both display the sample number.

All rock samples were collected with a rock hammer and approximately 4 kilograms of unweathered rock chips were placed in a 3 mil plastic sample bag. Stream sediment samples were collected by hand or with a stainless steel trowel and placed in kraft paper bags and air dried for two to four days. All samples were shipped to Acme Analytical Labs in Vancouver and were analyzed for gold by atomic absorption and thirty-one additional elements by ICP. Rock samples that returned elevated copper and gold geochemical values were reanalyzed by fire assay for gold and normal assay for copper and silver.



LEGEND

POST-TERRANE ACCRETION

11 TERTIARY AND QUATERNARY
LEVEL MOUNTAIN GROUP-basalt, rhyolite

10 TERTIARY
SLOKO GROUP-rhyolite; Brother's Peak Formation-sandstone

9 CRETACEOUS AND TERTIARY
quartz monzonite, quartz diorite

8 JURASSIC AND CRETACEOUS
diorite, granodiorite, quartz diorite

7 Laberge and Bowser Groups-conglomerate, sandstone

STIKINIA TERRANE

6 TRIASSIC
diorite, granodiorite, quartz monzonite

5 STUHINI GROUP-mafic volcanic and sedimentary rocks

4 CARBONIFEROUS AND PERMIAN
greenstone, limestone, schist, gneiss

CACHE CREEK TERRANE

3 TRIASSIC
SINWA FORMATION-limestone

2 CARBONIFEROUS AND PERMIAN
CACHE CREEK GROUP-limestone, basalt

1 serpentinite, peridotite, gabbro, diorite

Modified from G.S.C.
map 1418A-Souther,
Brew and Okulitch (1979)

Scale 1:1,000,000

NORTH AMERICAN METALS CORP.

**SHESLAY RIVER PROJECT
BRITISH COLUMBIA**

REGIONAL GEOLOGY

DRAWN

DATE
10/89

FILE CODE
104/J/4 104K/1

FIGURE 3

2.2 GEOLOGY AND GEOCHEMISTRY

2.2.1 Geology

The SHESLAY RIVER property is underlain by volcanic and sedimentary rocks of the Upper Triassic Stuhini Group. In the west and south of the property, these rocks are intruded by granodiorite to monzonite stocks of probable Triassic age. A brief description of mapped units is given below.

INTRUSIVE ROCKS

Unit 4

This unit includes all foliated intrusive rocks of probable Triassic age. Three distinct bodies of this unit were mapped on the property.

On the south part of the Sheslay 4 claim the unit is weakly foliated, equigranular and medium grained. Compositionally it is a monzonite, comprised of 35% plagioclase, 30% K-feldspar, 15% hornblende, 10% quartz and 5% magnetite. It occurs as steep grey weathering bluffs, cliffs and scree slopes and is a brilliant pink to buff color on fresh surfaces.

On the west half of the Sheslay 1 and 3 claims, a large stock of granodiorite to diorite is exposed. This intrusion appears to be the main phase of Triassic intrusives. The stock is weakly to moderately foliated, equigranular and medium grained. It forms grey weathering outcrops and talus on slopes rising out of the west side of the Sheslay River valley. On fresh surface the rock is a light grey to tan color.

A third intrusive body is exposed in the southwest corner of the Sheslay 2 claim. The body is elongated NE - SW and is similar compositionally and mineralogically to the intrusive described on the Sheslay 1 and 3 claims.

STUHINI GROUP

Both volcanic (Unit 5) and sedimentary (Unit 6) rocks are exposed on the property. Sedimentary rocks are rare and are exposed only around the "Eagle Showing". All units are moderately foliated to schistose and are strongly chloritized to locally amphibolitized.

Unit 5d

This unit is comprised of massive, dark green, fine-grained volcanic rocks. The unit is most common on the east side of the Sheslay River on the Sheslay 3 and 4 claims.

Unit 5e

Chlorite schists are exposed throughout the property and are commonly interlayered with unit 5f. The rocks are dark green, schistose and strongly chloritic. Chlorite flakes to 4 millimeters in length are common.

Unit 5f

Unit 5f is very similar to unit 5e but contains phenocrysts of augite and/or feldspar in amounts of up to 10%. The phenocrysts are locally elongated and altered to chlorite and sericite.

Unit 6a

This unit is a volcanic siltstone that was mapped around the "Eagle Showing". The unit is dark green, chloritic, finely stratified and locally calcareous. The unit is differentiated from unit 5d by thin wispy horizons of white carbonate and calcite. It is this unit that has been replaced by magnetite and chalcopyrite at the "Eagle Showing".

2.2.2 Structure

Rocks on the SHESLAY RIVER property are metamorphosed to upper greenschist or lower amphibolite facies and are well foliated. Bedding and foliation strike northeast to northwest and dip moderately west. Foliated rocks occur at the margin of a large Triassic stock (Unit 4) which itself is foliated. Further to the east, volcanic rocks in contact with similar Triassic stocks are not foliated implying that foliation is not related to intrusion but to a zone of strong ductile deformation along the Sheslay River. At the "Eagle Showing", a north trending fault was noted and maybe a brittle overprint on the older ductile fabric.

2.2.3 Alteration and Mineralization

Located along the Sheslay River are numerous large orange to red carbonate alteration zones within the Stuhini Group. The alteration zones are up to 800 meters wide and 2500 meters long along the Sheslay River. Local zones of silicification and quartz and carbonate veining occur within the broader alteration zones. Sulphide mineralogy consists of trace disseminated pyrite and trace fine - grained black sulphides (tetrahedrite?) in quartz stringers and veins. Sampling completed by Rebic and Sketchley (1988) returned a high of 210 ppb gold, 1953 ppm copper and 400 ppm arsenic from these iron carbonate altered zones.

Eagle Showing

At the "Eagle Showing", calcareous sedimentary units (Unit 6a) intercalated with chloritic schists (Unit 5e) have been replaced by magnetite and chalcopyrite adjacent a stock of monzonite. Mineralization has been noted up to three hundred meters away from the intrusive contact. The zones of replacement are confined to specific stratigraphic horizons and vary in width from 0.10 meters to 2.0 meters and average approximately 1.5 meters. The best results from the rock sampling program are tabulated below.

<u>SAMPLE NO</u>	<u>GOLD</u> <u>ppb(opt)</u>	<u>COPPER</u> <u>ppm(%)</u>	<u>SILVER</u> <u>ppm(opt)</u>
35110	4271(.124)	51638(5.45)	7.5(0.25)
35450	1509(.044)	30116(2.77)	2.8(0.07)
35451	696 (.024)	12439(1.46)	2.0(0.07)
35452	247	6524	1.4
35453	166	1985	0.5
35454	207	3089	0.6
35455	448 (.014)	11163(1.19)	2.5(0.07)

All samples were collected from malachite stained Unit 6a in an area of 200 by 200 meters. Appendix II contains descriptions of all samples.

3.0 SUMMARY AND RECOMMENDATIONS

The SHESLAY RIVER property is comprised of five claims totalling one - hundred units and is owned by North American Metals Corp. and Chevron Minerals Ltd. The property is located in northwestern B.C. approximately 55 kilometers west - northwest of Telegraph Creek. North American Metals Corp. acts as operator on the property.

Copper and gold mineralization was discovered at the "Eagle Showing" in calcareous sedimentary units replaced by chalcopyrite and magnetite near a large monzonite stock. The best results returned from the showing included 0.124 ounce/ton gold and 5.45% copper from a grab sample. Sampling of several large Fe - carbonate alteration zones along the Sheslay River failed to return any significant gold or copper values.

Further work on the property should be focused on the "Eagle Showing" area. Mapping and soil sampling is recommended to delineate the showing along strike. Geophysics and trenching could then be implemented in an attempt to define drill targets.

4.0 BIBLIOGRAPHY

Marsden, H., Carmichael, B., Southam, P. (1990); 1989 Exploration Report on the Golden Bear Road Project, in house report written for North American Metals Corp.

Monger, J.W.H., 1977, Upper Paleozoic Rocks of the Stikine Arch, British Columbia; Geological Survey of Canada, Paper 70-1, Part A, pp. 41 - 43.

Rebic, Z., Sketchley, D.A. (1988); Road Project; Geology and Geochemistry, In house report written for Chevron Minerals Ltd. and North American Metals Corp.

Souther, J.G. (1971); Geology and Mineral Deposits of the Tulsequah Map - Area, British Columbia, Geological Survey of Canada, Memoir 362.

APPENDIX I
Sample Descriptions

SAMPLE DESCRIPTIONS

<u>SAMPLE</u>	<u>DESCRIPTION</u>
Rocks	
35064	Chloritic Schist with 2 to 3% chalcopyrite and malachite.
35103	Intense Fe - cbt altered volcanics.
35105	Carbonatized flaggy sediments?
35108	Orange quartz, Fe - cbt and mariposite vein, 30 cm.
35110	Chloritic schist with pyrite to 15%, 5 % diss. cpy.
35450	Semi massive cpy in folioform quartz stringers in chlorite schist.
35451	Malachite and magnetite along foliation in chlorite schist.
35452	Malachite stained, cpy and magnetite with calcite.
35453	Finely banded feldspar - biotite schist, diss. cpy and magnetite.
35454	Diss. cpy and magnetite in gritty looking schist.
35455	Trace to 3% fine - grained cpy with 5% diss. magnetite in chlorite schist.
Stream Silts	
35104	
35106	
35107	
35109	
35111	
35112	
FS - 1 to FS - 8	
JT - 1 to JT - 4	
Jl - 1 to Jl - 10	

APPENDIX II
Assay Data

GEOCHEMICAL ANALYSIS CERTIFICATE

Homestake Mining (Canada) Limited File # 90-4038
 1000 - 700 W. Pender St., Vancouver BC V6C 1G8

Shelley King

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Au**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppb	
35064	2	1112	13	14	.9	26	22	342	2.13	17	5	ND	1	41	.4	2	5	65	3.17	.168	3	51	.90	35	.12	4	1.05	.05	.16	2	2	61
35103	1	11	2	19	.1	625	52	1352	4.75	7	5	ND	1	180	.6	2	2	14	3.90	.007	2	302	11.81	51	.01	4	.10	.01	.01	2	2	1
35105	4	81	2	63	.2	172	31	911	3.55	26	5	ND	1	219	.7	2	2	69	6.66	.096	3	165	3.18	471	.01	2	.26	.01	.02	2	2	11
35108	1	54	2	14	.1	41	20	839	4.64	9	5	ND	1	124	.8	5	2	55	8.49	.029	4	21	3.20	31	.01	2	.16	.01	.08	2	2	5
35110	5	51638	2	37	7.5	360	128	186	15.82	21	5	3	2	30	.8	2	63	97	.71	.263	5	41	1.88	23	.04	2	2.25	.02	.06	1	2	4271

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 30 1990 DATE REPORT MAILED: *Sept 5/90* SIGNED BY: *Chung* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: NOV 19 1990

DATE REPORT MAILED: *Nov 23/90*

ASSAY CERTIFICATE

Homestake Mining (Canada) Limited PROJECT 3133 FILE # 90-4038R

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
35110	5.45	.25	.124

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: ROCK PULP

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Homestake Mining (Canada) Limited PROJECT 3133 File # 90-4362

1000 - 700 W. Pender St., Vancouver BC V6C 1G8

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Au**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppb
SR-2-3 FS-1	1	76	2	39	.5	116	21	464	3.04	7	5	ND	2	53	.5	2	2	67	.99	.104	4	251	2.54	51	.10	5	1.65	.03	.05	1	2	1
SR-2-3 FS-2	1	65	3	39	.2	114	20	566	2.99	2	5	ND	1	48	.2	2	6	65	1.02	.112	4	235	2.42	41	.09	2	1.58	.03	.06	1	2	10
SR-2-3 FS-3	1	69	2	39	.1	80	19	1072	3.88	9	5	ND	1	66	.2	2	5	75	1.11	.139	6	152	1.94	129	.11	4	1.65	.02	.10	1	2	1
SR-2-3 FS-4	1	86	3	39	.6	29	21	943	4.43	20	5	ND	3	53	.3	4	2	87	1.17	.169	8	59	1.11	103	.12	7	1.56	.02	.08	1	2	5
SR-2-3 FS-5	1	56	2	38	.1	98	21	827	3.69	2	5	ND	1	61	.4	2	3	73	.99	.135	5	199	2.32	104	.11	4	1.58	.02	.07	1	2	6
SR-2-3 FS-6	1	43	2	62	.6	21	20	2936	5.32	5	5	ND	4	87	.2	2	5	90	1.07	.137	14	33	.50	295	.06	7	.84	.01	.03	1	2	10
SR-2-3 FS-7	3	40	2	56	.2	12	13	468	7.60	9	5	ND	6	79	.2	2	2	95	1.06	.156	15	25	.36	185	.06	4	.64	.01	.05	1	2	1
SR-2-3 FS-8	3	67	2	88	.3	90	27	1525	6.80	77	5	ND	3	58	.2	4	2	132	1.03	.157	11	112	.93	142	.05	3	1.06	.02	.07	1	3	2
SR-2-3 35109	1	192	7	54	.1	122	30	742	4.35	14	5	ND	1	62	.2	2	2	93	1.15	.174	9	167	2.64	127	.10	6	1.70	.02	.08	1	2	13
SR-2-3 35111	1	134	2	73	.3	10	15	956	3.69	8	5	ND	2	93	.2	2	2	69	1.48	.154	11	15	.78	210	.05	6	1.48	.02	.07	1	2	55
SR-2-3 35112	1	157	4	75	.5	11	16	1004	3.76	10	5	ND	1	113	.3	4	2	70	1.80	.161	11	17	.80	245	.05	10	1.51	.02	.08	2	2	1
SR-3-3 35104	1	95	8	62	.3	10	14	686	3.86	7	5	ND	1	66	.2	3	2	91	1.17	.147	9	19	.71	160	.05	5	1.34	.02	.07	1	2	6
SR-4-3 35106	1	183	3	79	.1	54	20	739	4.59	7	5	ND	1	65	.2	2	2	112	1.21	.158	8	82	1.47	204	.07	5	1.35	.02	.06	1	2	7
SR-4-3 35107	2	322	2	67	.5	154	35	899	5.03	21	5	ND	4	57	.2	2	2	88	1.20	.156	9	199	3.71	137	.09	12	1.88	.03	.08	1	2	17
SR-01-3 JT-1	1	54	6	63	.2	10	13	679	5.12	3	5	ND	4	74	.2	2	4	128	1.76	.295	22	38	.62	66	.04	6	.78	.02	.04	1	2	6
SR-01-3 JT-2	1	63	10	73	.2	11	13	764	3.95	4	5	ND	2	96	.2	2	2	91	1.78	.228	19	23	.80	88	.06	2	1.05	.02	.05	1	2	2
SR-01-3 JT-3	2	51	4	64	.5	11	15	656	6.30	3	5	ND	3	72	.2	2	7	166	1.40	.273	20	44	.52	59	.05	6	.84	.02	.04	1	2	1
SR-01-3 JT-4	1	53	3	60	.4	10	13	615	5.55	3	5	ND	4	84	.2	2	2	147	1.74	.267	20	38	.61	65	.05	3	.83	.02	.04	1	2	1
STANDARD C/AU-S	20	57	38	132	7.4	72	32	1053	3.97	42	21	7	40	55	19.1	16	23	57	.52	.095	39	59	.90	179	.08	34	1.89	.06	.13	12	2	52

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MM FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SOIL AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 12 1990 DATE REPORT MAILED: *Sept 17/90* SIGNED BY: *[Signature]* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Homestake Mining (Canada) Limited PROJECT 3133 File # 90-4492
 1000 - 700 W. Pender St., Vancouver BC V6C 1G8

Sheslay River

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Au**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppb
SRDM-1 35450	2	30116	2	29	2.8	291	79	159	6.68	19	5	2	1	13	.5	2	26	38	.76	.116	4	115	1.37	5	.09	2	1.26	.04	.03	1	2	1509
SRDM-1 35451	1	12439	2	14	2.0	82	69	141	17.08	14	5	ND	1	40	.5	2	2	125	1.03	.104	3	17	.71	4	.10	2	.87	.05	.05	1	2	696
SRDM-1 35452	1	6524	2	39	1.4	30	50	325	20.48	6	5	ND	1	30	2.7	2	2	409	1.16	.184	2	12	.89	4	.07	2	1.09	.03	.04	1	2	247
SRDM-1 35453	2	1985	5	9	.5	205	125	147	6.17	22	5	ND	1	34	.2	2	2	77	1.04	.069	6	119	1.02	22	.08	2	.99	.08	.08	1	2	166
SRDM-1 35454	1	3089	2	13	.6	44	40	159	8.39	6	5	ND	1	37	.2	2	6	144	1.03	.153	4	22	1.12	31	.13	2	1.18	.07	.08	2	2	207
SRDM-1 35455	6	11163	5	22	2.5	92	181	159	9.24	11	5	ND	1	51	.6	2	2	109	.80	.121	5	42	.72	31	.13	2	1.02	.07	.10	1	2	448

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: ROCK AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 17 1990 DATE REPORT MAILED: *Sept 20/90* SIGNED BY: *D. Toye* .D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

NOV 23 1990 15:54

651 P04

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: NOV 19 1990

DATE REPORT MAILED: *Nov 23/90*

ASSAY CERTIFICATE

Homestake Mining (Canada) Limited PROJECT 3133 FILE # 90-4492R

SAMPLE#	Cu %	Ag** oz/t	Au** oz/t
SRDM-1 35450	2.77	.07	.044
SRDM-1 35451	1.46	.07	.024
SRDM-1 35455	1.19	.07	.014

AG** AND AU** BY FIRE ASSAY FROM 1 A.T.
- SAMPLE TYPE: ROCK PULP

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

MSTR: SMESLAY JV

GEOCHEMICAL ANALYSIS CERTIFICATE

Homestake Mining (Canada) Limited PROJECT 3133 File # 90-4496

1000 - 700 W. Pender St., Vancouver BC V6C 1G8

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Tl	Au**
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppm	ppb
SR-05-3 JI-1	1	53	8	34	.2	44	15	436	5.80	12	5	ND	1	55	.2	4	2	150	1.04	.117	9	85	.80	58	.09	2	1.32	.02	.05	3	2	89
SR-05-3 JI-2	1	43	5	29	.2	35	14	348	6.21	11	5	ND	1	42	.3	3	2	168	.93	.130	8	83	.62	43	.08	3	1.03	.02	.04	2	2	8
SR-05-3 JI-3	1	46	4	31	.1	37	14	353	6.01	12	5	ND	2	43	.3	3	3	161	.96	.125	9	82	.67	45	.08	5	1.08	.02	.04	1	2	2
SR-05-3 JI-4	1	57	8	36	.2	67	16	332	4.32	13	5	ND	1	45	.4	3	2	109	.93	.116	7	113	1.30	48	.09	2	1.28	.02	.06	2	2	2
SR-05-3 JI-5	1	38	3	45	.3	44	11	311	3.70	7	5	ND	1	44	.2	2	4	94	.74	.155	10	84	.82	33	.07	3	.89	.02	.04	1	2	4
SR-05-3 JI-6	1	49	4	41	.1	50	13	338	4.37	9	5	ND	5	44	.2	2	2	112	.83	.140	8	99	.96	39	.08	2	1.04	.02	.04	1	2	1
SR-05-3 JI-7	1	53	3	33	.1	49	12	283	3.50	9	5	ND	1	41	.4	3	2	89	.82	.135	7	94	.96	36	.08	3	1.00	.02	.04	1	2	3
SR-05-3 JI-8	1	43	2	25	.1	18	10	320	5.41	5	5	ND	1	44	.3	2	2	147	.74	.167	11	55	.39	33	.05	2	.69	.02	.03	1	2	1
SR-05-3 JI-9	1	54	2	21	.1	24	10	317	2.84	3	5	ND	1	60	.3	2	2	77	.83	.163	10	39	.48	49	.06	2	.84	.02	.03	1	2	1
SR-05-3 JI-10	2	117	10	50	.1	32	13	588	3.68	6	5	ND	1	99	.6	2	2	90	.93	.157	13	56	.92	79	.10	3	1.51	.04	.08	1	2	3
STANDARD C/AU-S	19	57	42	131	7.1	72	32	1053	3.97	40	20	7	39	52	18.3	15	19	57	.51	.095	39	60	.89	183	.08	32	1.89	.06	.13	11	2	48

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: SILT AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE.

DATE RECEIVED: SEP 17 1990

DATE REPORT MAILED: *Sept 21/90*SIGNED BY: *D. Toye* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

APPENDIX III
Statement of Expenditures

STATEMENT OF EXPENDITURES

1.0 SALARIES AND WAGES

D. Marud	10 days	@	250	2500	
J. Howe	5 days	@	180	900	
D. McBean	2 days	@	180	360	
T. Frkovich	3 days	@	130	390	
G. Gray	1 day	@	105	105	
I. Neill	2 days	@	105	<u>210</u>	
					4465

2.0 GEOCHEMISTRY AND ASSAYING

11 rock samples		@	20	220	
4 rock assays		@	20	80	
27 stream silts		@	20	<u>540</u>	
					840

3.0 CAMP COSTS

10 man days		@	50	<u>500</u>	
					500

4.0 TRANSPORTATION

Helicopter	0.5 hours	@	650	325	
Truck Rental	7 days	@	30	210	
Fuel for truck				<u>150</u>	
					685

ADMINISTRATION FEE (12%) 781

TOTAL EXPENDITURES **7291**

PLUS PAC (10%) **709**

TOTAL ASSESSMENT EXPENDITURES **8000**

APPENDIX IV
Statement of Qualifications

STATEMENT OF QUALIFICATIONS

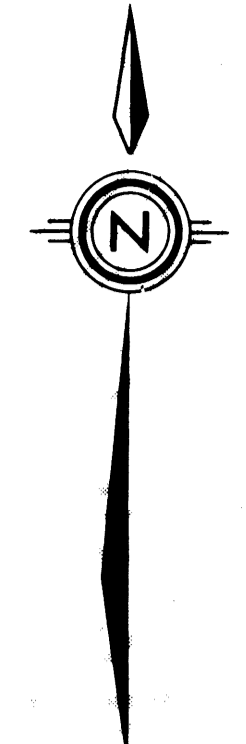
I, Darcy Edward Marud, of 2205 Graveley Street, Vancouver, British Columbia, Canada, hereby certify that:

1. I am a graduate of the University of Saskatchewan, having been granted the degree of Bachelor of Sciences - Honours degree in Geology in 1985.
2. I have practiced my profession as a geologist in mineral exploration since 1985.
3. I am presently employed as a geologist with Homestake Mineral Development Company of #1000 - 700 West Pender Street, Vancouver, British Columbia.
4. The work done in the accompanying report was done under my supervision and with my participation.
5. I am the author/co-author of the above report.
6. I have no direct or indirect financial interest in any companies known by me to have an interest in the mineral properties described by this report, nor do I expect to receive any such interest.

Dated at Vancouver, B.C. this 3rd day of February 1991

Respectfully submitted


Darcy E. Marud



LEGEND

LATE CRETACEOUS AND EARLY TERTIARY

- 8 SLOKO GROUP
- 8a felsic dyke

POST MIDDLE JURASSIC

- 7 DIKES, SILLS AND STOCKS OF SYENITE, MONZONITE
- 7a medium grained equigranular syenite
- 7b feldspar phryic syenite
- 7c hornblende phryic syenite
- 7d hornblende feldspar phryic syenite
- 7e diorite to gabbro
- 7f heterolithic diatreme breccia

UPPER TRIASSIC

STUHINI GROUP

- 6 Sedimentary rocks
- 6a volcanic siltstone
- 6b volcanic sandstone
- 6c argillite
- 6d polymictic volcanic conglomerate

5 Volcanic rocks

- 5a augite porphyry flows
- 5b feldspar porphyry flows
- 5c augite feldspar porphyry flows
- 5d fine grained volcanic
- 5e chlorite schist
- 5f foliated augite feldspar porphyry

4 Foliated intrusive rocks

- 4a medium to coarse grained diorite to quartz diorite
- 4b foliated gabbro to diorite

ABBREVIATIONS

- Alt: Alteration
- Bl: Biotite
- Cbt: Carbonate
- Chl: Chlorite
- Cp: Chalcopyrite
- c.g.: Coarse-grained
- Ep: Epidote
- Frac: Fracture
- f.g.: Fine-grained
- Gal: Galena
- m.g.: Medium-grained
- Mag: Magnetic
- Mt: Magnetite
- Musc: Muscovite
- Py: Pyrite
- q.v.: Quartz Vein
- R/C: Rubble Crop
- Serp.: Serpentine
- Sil: Silicified
- Sph: Sphalerite
- St: Seltite

SYMBOLS

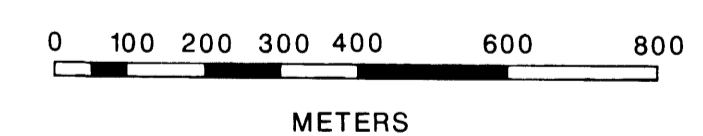
- 31118 (4,0.5,150) Rock Sample (sample no. Au ppb, Ag ppm, Cu ppm)
- 31118 (4,0.5,150) Silt Sample (sample no. Au ppb, Ag ppm, Cu ppm)
- 31118 (4,0.5,150) Soil Sample (sample no. Au ppb, Ag ppm, Cu ppm)
- 31119 (200,1.1,2000) (500,2.0,4000) Heavy Mineral Sample (sample no. Au ppb, Ag ppm, Cu ppm 150 mesh) (sample no. Au ppb, Ag ppm, Cu ppm 60+150 mesh)
- Mapping Station
- Claim Post (LCP: Legal Corner Post) (CP: Corner Post) (ID: Identification Post)

- Geologic Contact (defined, approximate, assumed)
- Fault (with dip direction) (defined, assumed, possible)
- Zone of alteration
- Shear (with dip direction)
- Outcrop
- Outcrop (too small at scale)
- Bedding (with dip)
- Foliation (with dip)
- Dyke or Sill (with dip)
- Joints (with dip)
- Dry stream bed

GEOLOGICAL BRANCH ASSESSMENT REPORT

20,940

SCALE 1: 10,000



NORTH AMERICAN METALS CORP.

Golden Bear Road J.V. Project

SHESLAY PROPERTY

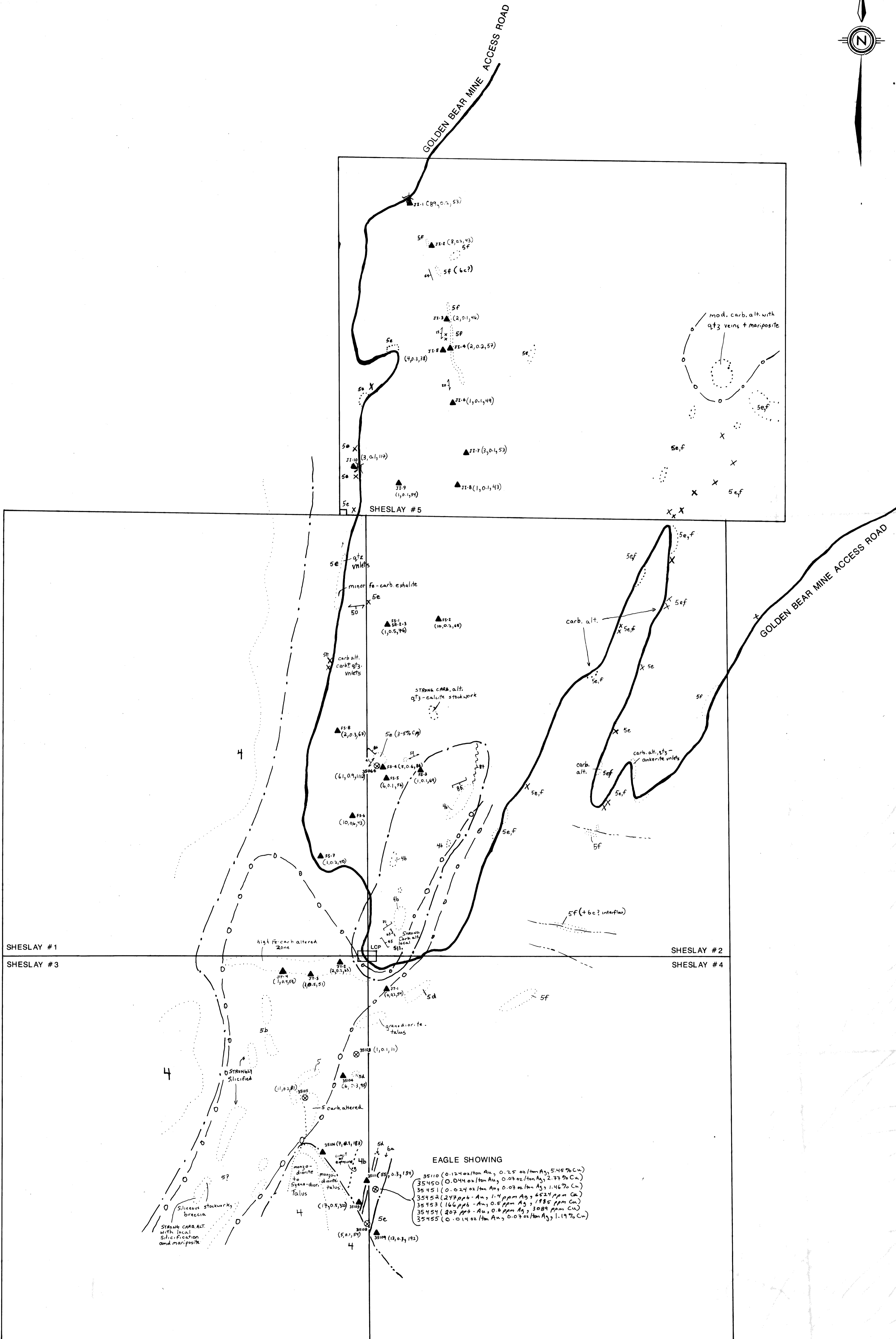
(Sheslay 1,2,3,4,5)

GEOLOGY AND GEOCHEMISTRY

DAM/TGF Dec. 6, 1990

104J/4W Fig. 4

Grid North is 2°26' west of True North



EAGLE SHOWING

35110	(0.124 oz/ton Au, 0.25 oz/ton Ag, 5.45% Cu)
35450	(0.044 oz/ton Au, 0.07 oz/ton Ag, 2.77% Cu)
35451	(0.024 oz/ton Au, 0.07 oz/ton Ag, 1.46% Cu)
35452	(2.77 ppm Au, 1.4 ppm Ag, 6.22 ppm Cu)
35453	(16.6 ppm Au, 0.8 ppm Ag, 1.85 ppm Cu)
35454	(207 ppm Au, 0.6 ppm Ag, 3089 ppm Cu)
35455	(0.014 oz/ton Au, 0.07 oz/ton Ag, 1.19% Cu)