

LOG NO:	1102	FILE NO:
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REPORT ON GEOLOGICAL AND GEOCHEMICAL PROGRAM

FILMED

CONDUCTED ON REVERTED CROWN GRANTS AND MINERAL CLAIMS

ORE MOUNTAIN AREA
 STEWART, BRITISH COLUMBIA
 SKEENA MINING DIVISION

LOG NO:	0214	RD.
ACTION:	<i>Date received back from Amendment</i>	
FILE NO:		

N.T.S. 104 A/4W

LATITUDE 56 03' N

LONGITUDE 129 50' W

FOR

GREY SILVER MINES LTD.

BY M.W. WALDNER

OCTOBER 24, 1989

SUB-RECORDER RECEIVED	
OCT 30 1989	
M.R. #	\$
VANCOUVER B.C.	

19,242
 GEOLOGICAL BRANCH
 ASSESSMENT REPORT

TABLE OF CONTENTS

	Page
INTRODUCTION	1
PROPERTY	2
LOCATION AND ACCESS	4
PHYSIOGRAPHY AND CLIMATE	5
HISTORY	6
GENERAL GEOLOGY	7
PROPERTY GEOLOGY AND MINERALIZATION	8
GEOCHEMISTRY	11
INTERPRETATION OF SOIL GEOCHEMISTRY	12
CONCLUSIONS AND RECOMMENDATIONS	14
BIBLIOGRAPHY	15
CERTIFICATE OF QUALIFICATIONS	16

MAPS AND TABLES

LOCATION MAP	FIGURE 1
CLAIMS MAP	FIGURE 2
GEOLOGY; ROCK & SOIL SAMPLE SITES	FIGURES 3 & 4
GEOLOGY N. CENTRAL CLAIMS	DRAWING 5
GEOLOGY N.E. CLAIMS	DRAWING 6
GEOLOGY LEAD COIL #2	DRAWING 7
ASSAY RESULTS	TABLE I

APPENDICES

APPENDIX I	ROCK SAMPLE ANALYSES
APPENDIX II	SOIL SAMPLE ANALYSES
APPENDIX III	ITEMIZED COST STATEMENT

INTRODUCTION

Exploration on the Ore Mountain-Bitter Creek Mineral Claims included general geological mapping, rock sampling and analyses, soil sampling and analyses and detailed mapping and sampling to identify possible surface extensions of mineralized zones. Showings were located and their locations tied to surveyed corner posts.

The field work, including travel to and from the property, was conducted between September 8, 1989 and September 16, 1989 inclusive by a geologist (M. Waldner) and geological assistant (I. Logie). The program was supported by helicopter from Stewart, B.C. Personnel were accommodated in a fly camp on Ore Mountain and for part of the time in a motorhome in Stewart.

PROPERTY

The mining property is owed by Grey Silver Mines and consists of forty reverted C.G.M.C., one - six unit mineral claim and three fractional mineral claims illustrated on Figure 2. These claims, detailed below, are in the Skeena Mining Division.

CLAIM NAME	UNITS	RECORD NO.	EXPIRY DATE
Morgan	1	474	07/12/91
Morgan #2	1	475	07/12/91
Morgan #3	1	476	07/12/91
Morgan #4	1	477	07/12/91
Morgan #6	1	478	07/12/92
Ophir #2	1	479	07/12/91
Ophir #3	1	480	07/12/91
Morgan 5/Mayou	1	849	02/12/92
Mayou Fr/Ophir	1	850	22/12/92
Alberta #5	1	467	07/12/91
Alberta #6	1	468	07/12/91
Radio #2	1	490	07/12/91
Radio #3	1	848	22/12/91
Radio Fr.	1	489	07/12/91
Creek	1	488	07/12/91
Miller	1	491	07/12/91
Northern Bell	1	492	07/12/91
Gold Hill #1	1	884	09/01/92
Hill Fraction	1	890	09/01/92
Lakeshore	1	882	09/01/93
Leadcoil	1	883	09/01/93
Lead Coil #2	1	885	09/01/92
Ore Fr.	1	886	09/01/92
Ore Hill	1	887	09/01/92
Ore Hill #3	1	888	09/01/92
Ore Hill #4	1	889	09/01/92
Ore Mountain #5	1	891	09/01/92
Ore Hill #6	1	892	09/01/92
Ore Hill #2	1	1129	02/03/92
Alberta #4/7	1	5768	09/02/92
Dash	1	5914	17/03/92
Dot	1	5913	17/03/92
Sandy	1	5912	17/03/92
Mayou #1	1	5915	17/03/92
Mayou #2	1	5916	17/03/92
Mayou #3	1	5917	17/03/92
Mayou #4	1	5918	17/03/92
Radio	1	518	01/03/92
Roosevelt #1	1	516	01/03/92
Roosevelt #2	1	515	01/03/92

CLAIM NAME	UNITS	RECORD NO.	EXPIRY DATE
H.D. 1	6	3862	02/05/92
H.D. 2 Fr.	1	3863	02/05/93
H.D. 3 Fr.	1	4657	01/10/92
H.D. 4 Fr.	1	4658	01/10/92

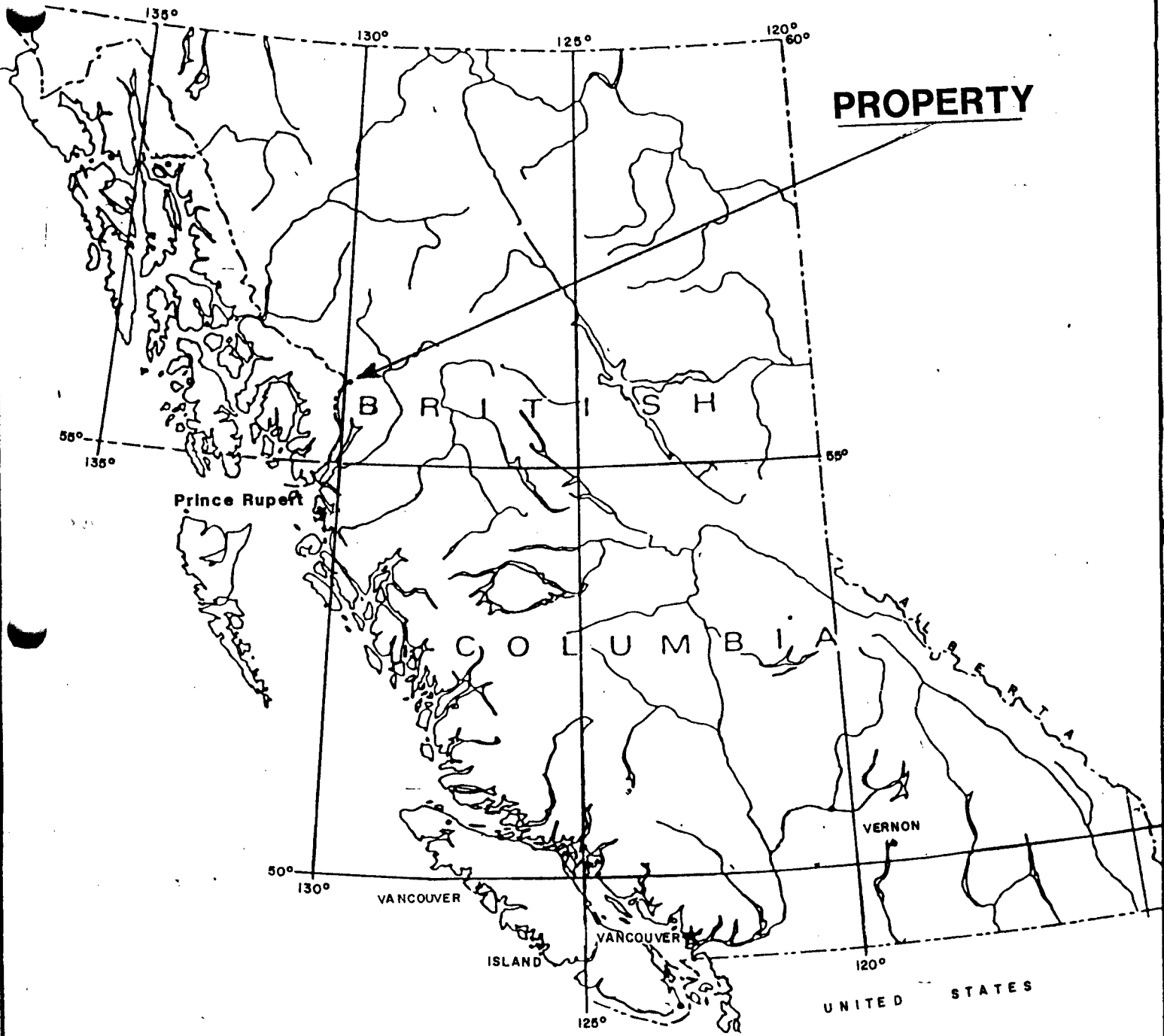
LOCATION AND ACCESS

The claims are located in the Coast Range of British Columbia approximately 27 kilometers by road, north northeast of the town of Stewart, map sheet N.T.S. 104A/4W, latitude 50 02' North and longitude 129 17' West.

Access is by Highway 37A which connects Stewart with Highway 37 at Meziadin Junction. The eastern claims are accessed by the Clements Lake Road which leaves Highway 37A at Bitter Creek approximately 25 kilometers north northeast of Stewart. Clements Lake is approximately 1 kilometer off the Highway. A forestry hiking trail provides foot access to the rest of the west claim block.

The eastern claim block is accessed by an old logging road along the northern side of Bitter Creek. This road is washed out and covered by avalanche debris in several places making vehicular access impossible at present. A bulldozer would be required to reopen the road.

The upper elevations are accessed by trails from Clements Lake and Bitter Creek or by helicopter (approximately a 15 minute flight from the Stewart Airport).



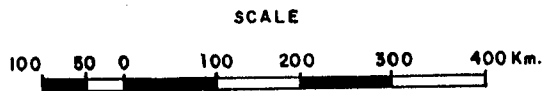
GREY SILVER MINES LTD.

LOCATION MAP

M. WALDNER

DATE: Oct. 89

FIGURE: 1



PHYSIOGRAPHY AND CLIMATE

The topography is mountainous with slopes averaging between 30 and 45 degrees. The property is bounded on the south by west flowing Bitter Creek, on the northeast by Cambrian Glacier and on the east by south flowing Roosevelt Creek, which drains into Bitter Creek. The eastern claim block elevations range from about 300 meters a.s.l. near the Radio Creek-Bitter Creek junction to 1800 meters a.s.l. near Cambrian Glacier. The western claims rise from about 100 meters a.s.l. to 1500 meters a.s.l. on the western flank of Ore Mountain.

The climate is West Coast Marine. Precipitation is in excess of 380 cm. per year with snow accumulations of more than 10 meters per year on the upper elevations.

Hemlock, fir, alder, low bushes including devils club, occur in the lower elevations. This vegetation opens to alpine meadows above about the 1230 meter elevation.

HISTORY

The reverted crown granted mineral claims date between 1910 and 1920. The Ore mountain, Lead Coil and Lakeshore area showings were explored during this early period as were some of the upper showings such as on the Morgan Claims. In 1915 approximately 15 tons of ore was reported shipped to Trail from the Silver Tunnel near the Roosevelt Creek- Bitter Creek junction. This material reportedly graded 0.26 o.p.t. Au, 109 o.p.t. Ag, 34% Pb and 8% Zn. In 1968 a 100 lb. bulk sample taken from the Silver Tunnel is reported to have graded 1.64 o.p.t. Au, 109 o.p.t. Ag, 1.03% Cu, 23.42% Pb, and 12.28 % Zn. During the early 1970's a shrinkage stope mining operation about 375 feet long was established along a 2 to 3 meter wide, near vertical shear zone at the Silver Tunnel. The ore was processed in a small mill located on Bitter Creek. Three AQ diamond drill holes, each about 100 feet long were drilled below the workings, but no ore grade intersections were reported.

In 1980 Beaver Gold Resources Inc. sampled the Copper Tunnel near Roosevelt Creek and Bitter Creek (Tribe 1980). Channel samples (widths unknown) over the vein structure returned gold values of 0.014, 0.425, 0.290, 0.134, 0.004, 0.002 o.p.t. Silver assays ranged from 0.05 to 0.51 o.p.t.

During 1984 Maralgo Mines Ltd. completed an aerial magnetometer and VLF-EM survey. Maralgo also did some sampling of old workings and had some rock geochemical analyses completed. These samples appear to be of limited value. No follow-up work has been done over the last five years until now.

GENERAL GEOLOGY

The area is underlain by Hazelton Assemblage, lower to middle Jurassic volcanics, sandstones, argillites, siltstones, greywackes and minor breccias. In the vicinity of the claims the Bitter Creek formation consists of brown to black argillite, quartzite, limestone, tuff and dark volcanics. These rocks are intruded by the Bitter Creek Pluton southwest of the property and on the western portion of the property. This Cenozoic to Tertiary intrusive is a quartz-monzonite to a granodiorite in composition.

There are a series of northwest trending dyke swarms which cross-cut the property. These aplite, feldspar porphyry and granodiorite dykes are probably middle Jurassic Texas Creek Intrusives or related to the Bitter Creek Pluton.

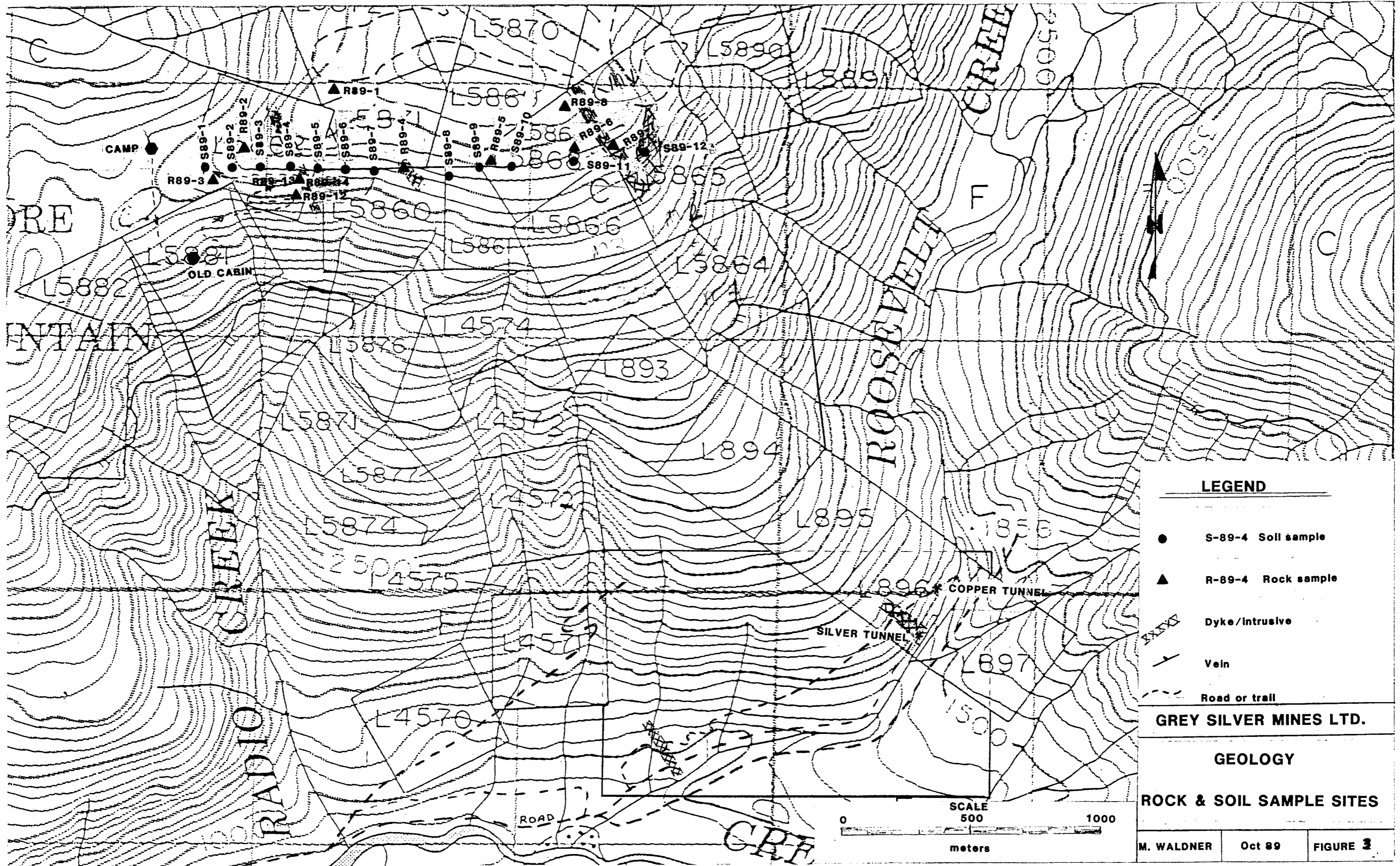
PROPERTY GEOLOGY AND MINERALIZATION

Host rocks for the mineralization on the property consist of black argillite, greywacke and sandstone. The mineralization is often observed in close proximity to aplite and feldspar porphyry dykes probably related to the Texas Creek and Bitter Creek Intrusives. Faulting, trending in a general north northeast direction, appears to be pre and post sulphide and precious metals mineralization. Detailed mapping and sampling was conducted on the eastern and western claim blocks in the areas known as :

1. Lead Coil Zone (Central-Western Claims)
2. Morgan Showings (Radio Creek Area)
3. Lakeshore Showings (Western Claims Area)
4. Upper Roosevelt Creek (Northern Area)

Figures 3 to 7 illustrate the mapping and sampling in these areas. In addition one day was spent exploring the Silver Tunnel, Copper Tunnel areas and lower Radio Creek. Work on these areas was conducted five to ten years ago. Detailed trenching and drilling is required to upgrade the information in this area. No samples were taken from the Silver or Copper Tunnels.

Rock sample locations are shown on the geology maps and analytical results in Appendix I. Mineralized structures observed on lots 4812 4813 and east of Ore Mountain (lots 5881 and 5865) trend north northeasterly and dip steeply towards the east. Quartz veining and stockworks with calcite at the location of R89-4 grab sample trend north and dip 60 to 70 degrees east as do the structures (shear zones) in the vicinity of samples R89-5



LEGEND

- S-89-4 Soil sample
- ▲ R-89-4 Rock sample
- ▬ Dyke/intrusive
- Vein
- - - Road or trail

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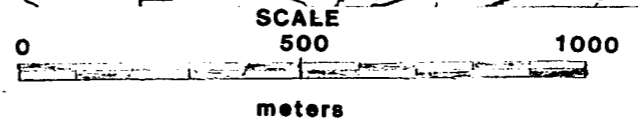
GEOLOGY

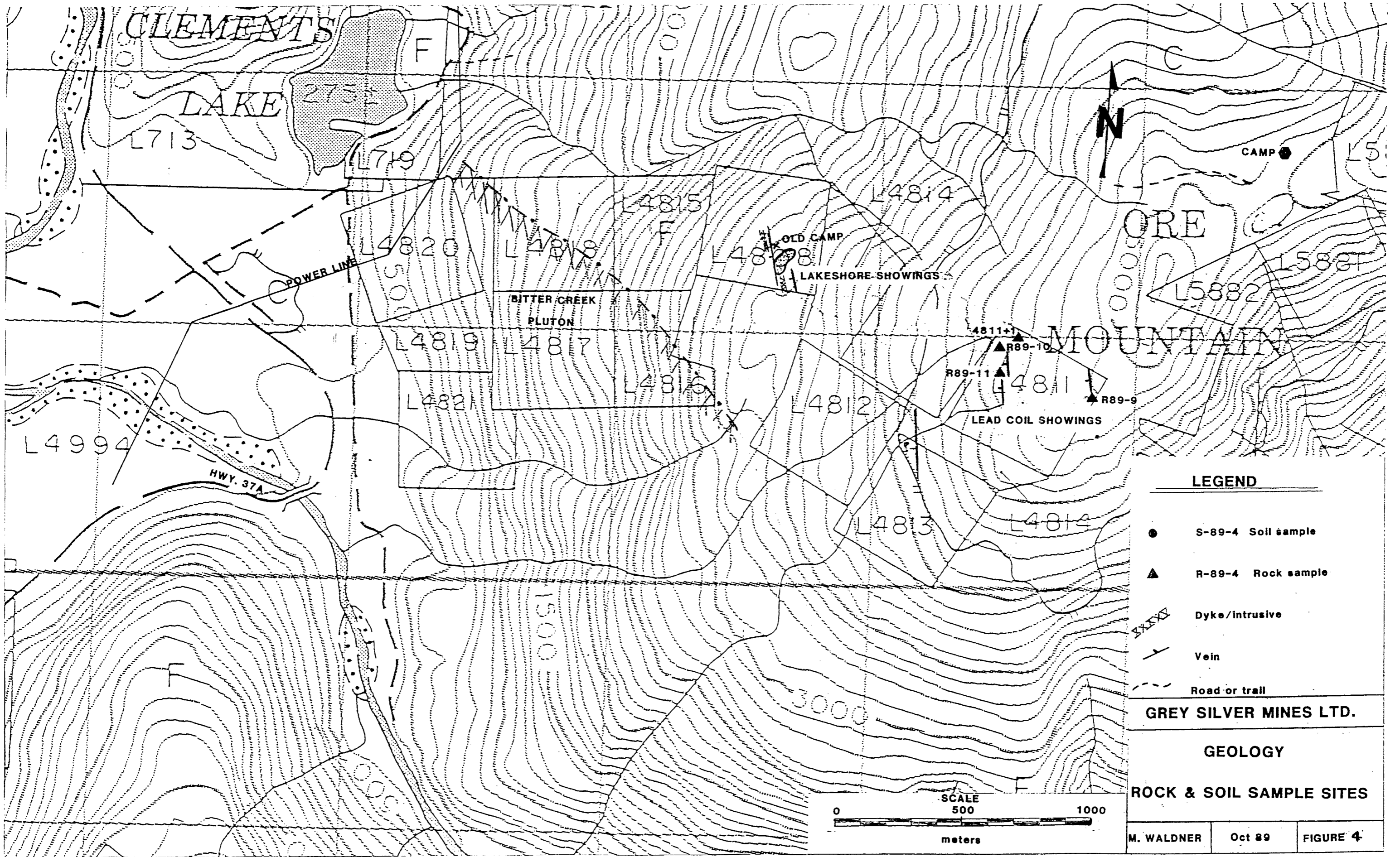
ROCK & SOIL SAMPLE SITES

M. WALDNER

Oct 89

FIGURE 3



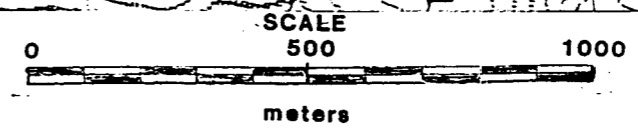


LEGEND

- S-89-4 Soil sample
- ▲ R-89-4 Rock sample
- XXXX Dyke/intrusive
- ~ Vein
- - - Road or trail

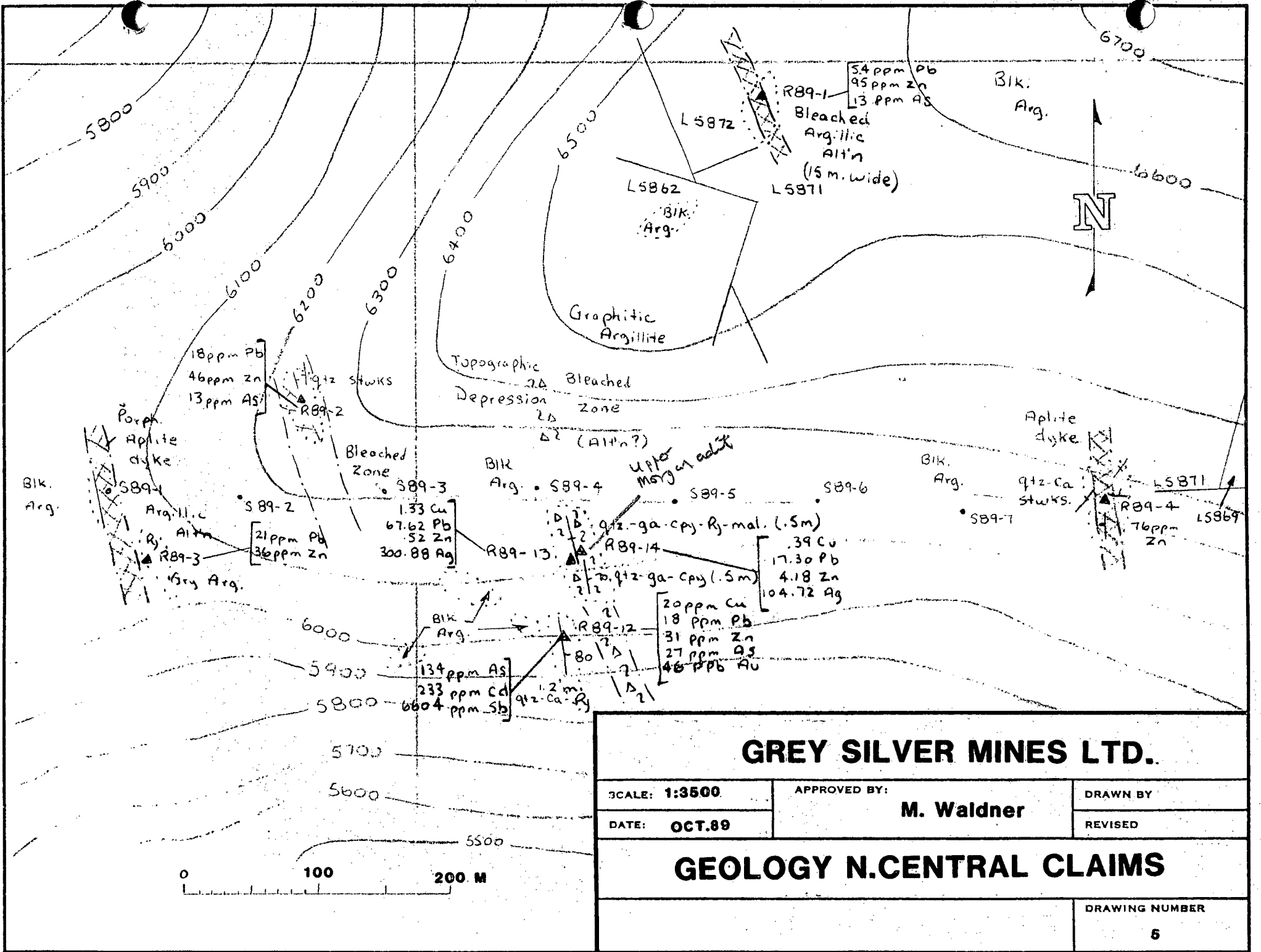
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GEOLOGY
ROCK & SOIL SAMPLE SITES



Legend for Drawings 5,6, and 7.

	outcrop
	inferred contact
	observed contact
	vein
	breccia zone
cpy	chalcopyrite
ga	galena
qtz	quartz
lim	limonite
sph	sphalerite
ca	calcite
mal	malachite
tetra	tetrahedrite
flt	fault
stwks	stockworks
arg	argillite
monz	monzonite
▲ R89-7	rock sample site
• S89-10	soil sample site
L5861	lot number



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SCALE: 1:3500

APPROVED BY:

DRAWN BY

M. Waldner

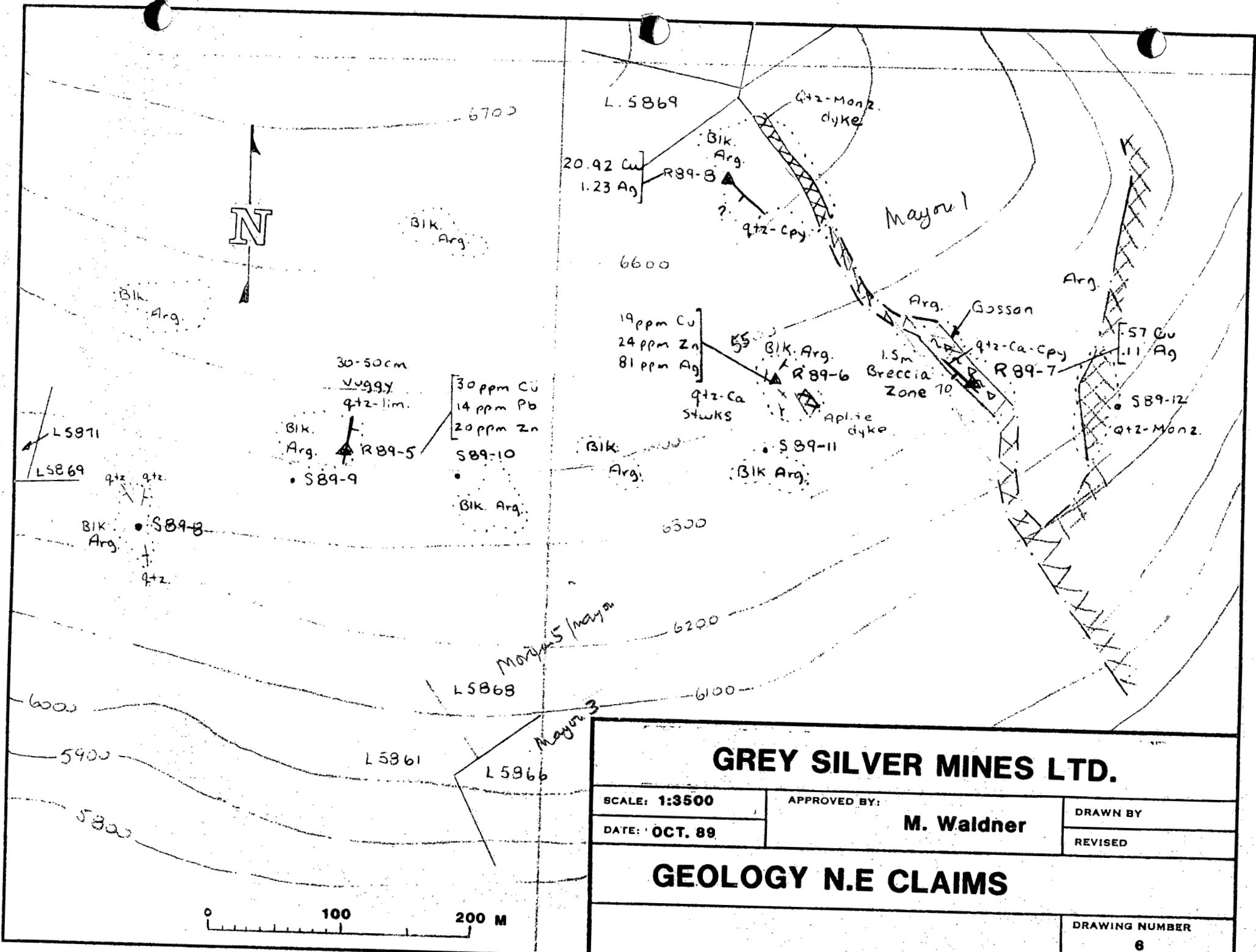
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REVISED

GEOLOGY N.CENTRAL CLAIMS

DRAWING NUMBER

5

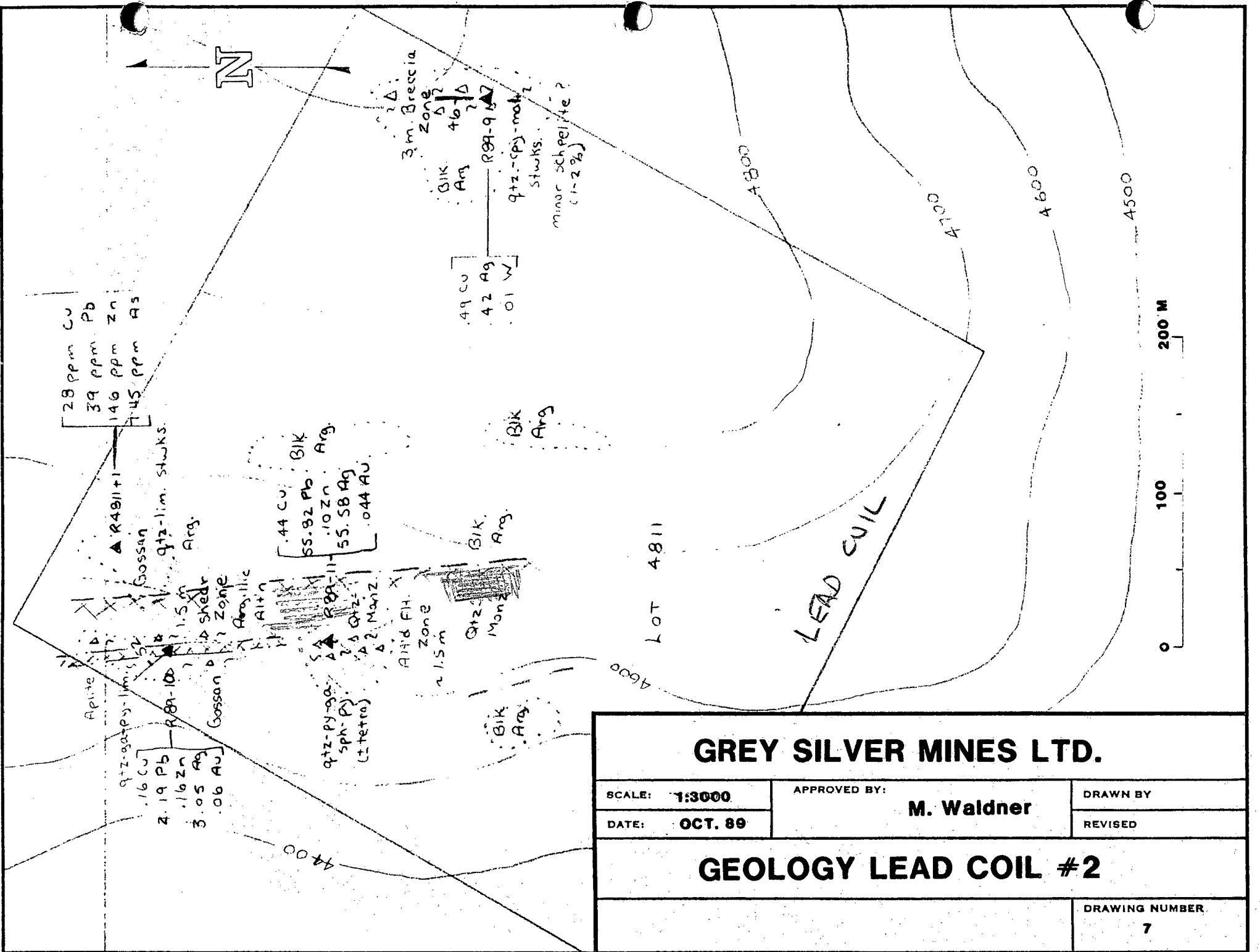


GREY SILVER MINES LTD.

SCALE: 1:3500	APPROVED BY: M. Waldner	DRAWN BY
DATE: OCT. 89		REVISED

GEOLOGY N.E CLAIMS

DRAWING NUMBER
6



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SCALE: 1:3000	APPROVED BY: M. Waldner		DRAWN BY
DATE: OCT. 89			REVISED
GEOLOGY LEAD COIL #2			
			DRAWING NUMBER: 7

R89-7 and R89-9. R89-9 was the only sample which indicated the possible presence of scheelite under ultraviolet light. Several high grade samples were collected from this area. The sample locations are shown on figures 3 to 7 and are described in detail below.

Sample R89-7 was a chip sample taken over a width of 1.5 meters on a quartz-calcite breccia zone carrying chalcopyrite mineralization (approximately 5%) plus minor malachite and possibly tetrahedrite. The zone strikes 132 degrees and dips 70 degrees west. The sample assayed 0.57% Cu, 0.11 o.p.t. Ag and 0.001 o.p.t. Au. The breccia zone is hosted in feldspar porphyry dyke with black argillite country rock. Sample R89-8 was a grab sample from a quartz vein containing chalcopyrite and malachite northeast of the R89-7 sample site about 100 meters. This mineralization is hosted in black argillite and shale. A mineralized zone probably runs northeasterly. There may be a series of en echelon mineralized zones in this vicinity. Sample R89-8 assayed 20.42% Cu, 1.23 o.p.t. Ag and 0.003 o.p.t. Au. This vein appears to be sub parallel to the structure sampled at R89-7. This area is generally higher in copper mineralization and lower in galena and sphalerite.

Several north striking, west dipping structures were observed and sampled on Lot 4811 ^(Lead Coat) (record no. 885). These veins varied in width from 1.5 to .5 meters. There appears to be a series of sub parallel veins in this area, with the potential for high grade mineralization and wide spread low grade copper, lead, silver, and gold mineralization and minor scheelite. Rock chip

May 57

sample R89-10 over 1.75 meters of limonite, galena, pyrite and quartz mineralization assayed 2.19% Pb, 3.05 o.p.t. Ag and 0.06 o.p.t. Au. A grab sample (R89-11) in the vicinity of R89-10 assayed 0.44% Cu, 55.82% Pb, 55.58 o.p.t. Au and 0.044 o.p.t. Au. All mineralization in this area is hosted in black argillite in contact with, or in close proximity to, granitic dykes.

Mineralization on Lot 4808 ^{Lake Sh.} (record no. 882) trends northerly. The traverse on Sept. 12, 1989 extended to this area but no samples were obtained. Previous work indicates gold values of 0.10 o.p.t., silver to 5 o.p.t associated with lead, copper and minor zinc (galena, chalcopryrite and sphalerite).

Exploration and mapping at the head of Radio Creek concentrated on the mineralization on the H.D. 3 Fr. and lot 5862 (record no. 478). Sampling of quartz veins striking about N 15 to 20 degrees W and dipping steeply west was completed. There appears to be a series of en echelon veins in this area. The host rock for quartz-galena-chalcopryrite mineralization is graphitic shale and black argillite. Rock sample R89-12 is anomalous in gold (46 ppb) from a 10 cm. wide quartz vein. Rock samples R89-13, R89-14 returned very high values in base metals and silver. Sample R89-13 was a high grade grab sample from a shear zone striking 346 degrees and dipping 70 to 90 degrees east. Sample R89-14 from the Upper Morgan Adit was a chip sample over 0.5 meters from the same structure sampled by R89-13. These two samples assayed:

Morgan 6

SAMPLE NO.	%Cu	%Pb	%Zn	Ag (o.p.t)	Au (o.p.t)
R89-13	1.33	67.62	0.52	300.88	0.003
R89-14	0.39	17.30	4.18	104.72	0.003

GEOCHEMISTRY

A soil geochemistry line was run in a west to east direction over the northern end of the east claim block. These samples were collected in an effort to identify northern extensions of the mineralization trending northerly from the Radio Creek area and Roosevelt Creek area showings. The sampling was also conducted to ascertain the usefulness of soil geochemistry in the area especially the alpine. It does appear effective, although the soils are poorly developed. The flagged line was established by compass traverse and tied to the survey monuments marking the corner posts of the reverted crown grants in the area. A total of 12 soil samples were collected at approximately 50 meter intervals. All samples collected were in the alpine area. The soil consists of poorly developed "B" and "C" horizons. Most samples consisted of "C" horizon soil. It was generally dark brown to reddish brown in colour.

The "B"- "C" horizon is generally 10 to 20 cm. thick overlaying the talus and bedrock surface. Coarse rock debris and organic matter was discarded. Samples were not collected on outcrop areas. The samples were bagged, the sample site flagged and the depth, oxidation and colour of the soil noted. All samples were air dried and subsequently analyzed for Mo, Cu, Pb, Zn, Ag, As, Sb, and Au by ACME Analytical Laboratories Ltd. of Vancouver. The lab preparation included drying and screening to minus 80 mesh. A 0.5 gm sample was then digested with 3 ml 3-1-2 HCl-HNO₃-H₂O at 95 degrees C for one hour and then diluted to 10 ml with water. I.C.P. analyses were then performed for all

elements except gold . The gold analyses were by acid leach/A.A. from a 10 gram sample.

The sample sites are plotted on figures 3, 5 and 6. The analyses results are shown in Appendix II. Data treatment included determinations of mean and standard deviation for the eight elements. The two highest analyses for arsenic and the highest analyses for copper, silver, antimony and gold were disregarded when calculating the mean and standard deviation for these elements. Subanomalous values are considered to be the mean plus one standard deviation, anomalous values are mean plus two standard deviations and second order anomalies are mean plus three or more standard deviations.

INTERPRETATION OF SOIL GEOCHEMISTRY

Five of the soil samples exhibited anomalous or second order anomalous values with some associated subanomalous values.

Generally the anomalies indicate the probable existance of northern extensions of base and precious metals values from the lower level mineralization exposed downslope to the south of the soil survey line. Anomalous values for Au, Ag, As and Sb indicate "structurally higher" extensions of the Cu, Pb, Zn, Ag, and Au mineralization exposed to the south. Specifically:

Soil sample S89-1 is anomalous in As (101 ppm)

Soil sample S89-7 is anomalous in Ag (1.4 ppm) and subanomalous in Pb and Zn.

Soil sample S89-8 displays a second order Ag anomaly (2.0 ppm) and is subanomalous in Mo, Cu, Pb, Zn and Au.

Soil sample S89-10 has a second order Cu anomaly (296 ppm), anomalous Sb (5 ppm) and subanomalous values in Mo, Pb, Zn, As, and Au.

Soil sample S89-11 has second order anomalous values for As (680 ppm), Sb (18 ppm), and Au (72 ppb) and is subanomalous in Cu.

It is also suspected that background in the unmineralized area is about 0.4 ppm for silver. This would then indicate that samples S89-1, S89-3 and S89-10 are also anomalous for silver.

In conclusion the soil sample results indicate the possible existence of northerly trending extensions of base and precious metals mineralization in the vicinity of soil samples S89-1, S89-7, S89-8, S89-10 and S89-11. Anomalous As and Sb values appear related to high Au values. Anomalous values of Sb and/or As may indicate the existence of high level (epithermal) gold mineralization which may be extensions of the lower level (mesothermal) copper, lead, zinc, silver mineralization.

CONCLUSIONS AND RECOMENDATIONS

There is wide spread copper, lead, zinc mineralization on the property with associated silver and to a lesser extent gold mineralization. The mineralization occurs in shear and breccia zones generally hosted in black argillite, but with spacial association to feldspar porphyry and felsic dykes. Exploration has been limited to some short adits and some trenching (at the lower elevations). The northerly striking, en echelon mineralized zones have not been explored at depth (by drilling or mining), or to any great extent on surface by trenching (especially at the higher elevations). The best chip sample taken during this exploration program (over 500 cm) on the Morgan Vein (lot 5862) assayed 0.39% Cu, 17.3% Pb, 4.18% Zn and 104.72 o.p.t. Ag. The soil sampling indicated the possible extension of this mineralization.

It is recommended that detailed sampling on the Lakeshore Showings (western claim block) be conducted. Trenching and drilling should be conducted in the vicinity of rock samples R89-13 and R89-14, R89-7 and R89-8, R89-10 and R89-11 plus the Silver, Copper Tunnels area explored by previous optionors. This work could confirm the presence of high grade copper, lead, zinc, silver mineralization and/or low grade, large tonnage, structurally controlled copper, lead, zinc, silver, gold mineralization. This mineralization could be extensions down dip and along strike from the numerous high grade surface exposures and lower grade disseminated and stockworks mineralization between the en echelon structures observed.

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- Tully, D. W. Assessment Report on Bitter Creek Property,
Assessment Report 8095, Oct. 31, 1979

AUTHOR'S QUALIFICATIONS

MATTHEW WILLIAM WALDNER

I graduated from the University of British Columbia in 1969 with a Bachelor of Science degree in Geology. Since graduating, I have continuously practiced my profession in various levels of responsibility in industry. The following is a synopsis of my employment experience:

- 1969 Seven months as junior geologist and party chief in Southern B.C. and Yukon Territory-Atlas Explorations Ltd. (N.P.L.)
- 1970 - 1973 Three and one-half years as open pit geologist at Endako Mines Ltd. - Placer Development Ltd.
- 1973 - 1979 Six and one-half years as pit geologist, Mine geologist and Chief Mine geologist - Lornex Mining Corporation Ltd.
- 1979 Six months as Special Projects and Reclamation Engineer, - Lornex Mining Corporation Ltd.
- 1979 - 1981 One year as Chief Mine Engineer, in charge of the Mine Engineer Department - Lornex Mining Corporation Ltd.
- 1981 - 1985 Chief Geologist - Mohawk Oil Co. Ltd. Mining Division, Vernon, B.C.
- 1985 - Present Manager - Minerals Division, Mohawk Oil Co. Ltd, Burnaby, B.C.

Dated: October 24, 1989

Signed: M.W. Waldner
M.W. Waldner

APPENDIX I

ROCK SAMPLE ANALYSES

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

DATE RECEIVED: SEP 29 1989

Oct 10/89

DATE REPORT MAILED:

ASSAY CERTIFICATE

- SAMPLE TYPE: ROCK
AU** AND AG** BY FIRE ASSAY FROM 1/2 A.T.
W* - AQUA REGIA LEACHED/ICP.

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

GREY SILVER MINES FILE # 89-3999 Page 3

SAMPLE#	Cu %	Pb %	Zn %	Ag** OZ/T	Au** OZ/T	W* %
R89-7	.57	.01	.01	.11	.001	-
R89-8	20.92	.01	.05	1.23	.003	-
R89-9	.49	.01	.01	.42	.001	.01
R89-10	.16	2.19	.16	3.05	.060	-
R89-11	.44	55.82	.10	55.58	.044	-
R89-13	1.33	67.62	.52	300.88	.003	-
R89-14	.39	17.30	4.18	104.72	.003	-

15m

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
R89-1	2	4	54	95	.1	13	2	5
R89-2	1	9	18	46	.1	13	2	1
R89-3	2	11	21	36	.3	4	2	2
R89-4	1	11	12	76	.1	3	2	1
R89-5	4	30	14	20	.3	4	2	1
R89-6	5	19	7	24	.2	81	2	4
R89-12	1	20	18	31	.4	27	2	46
4811+1	9	28	39	146	1.0	745	2	1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM
R89-8	6	99999	28	268	37.7	38	41	69	20.07	244	6	2	2	2	2	5	123	1	.01	.001	2	8	.02	5	.01	4	.11	.01	.02	2
R89-10	7	1569	18963	1495	97.8	11	10	640	12.60	1945	5	ND	1	7	7	37	2	68	.08	.098	3	64	.78	17	.01	8	1.67	.01	.13	1
R89-13	44	13570	19209	5359	144.3	3	1	13	.58	134	5	ND	1	171	233	6604	4	2	.01	.004	2	5	.01	12	.01	7	.07	.01	.04	2
STD C	18	61	42	133	6.8	67	31	1007	4.01	39	18	7	38	49	18	15	22	60	.48	.089	39	53	.90	175	.06	36	1.89	.06	.13	13

APPENDIX II

SOIL SAMPLE ANALYSES

Oct. 10/89.

GEOCHEMICAL ANALYSIS CERTIFICATE

- .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: P1 SOIL P2-P3 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

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

GREY SILVER MINES FILE # 89-3999 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
S89-1	5	86	43	104	.9	101	3	18
S89-2	7	48	31	80	.1	69	2	8
S89-3	12	166	61	117	.8	79	4	27
S89-4	13	71	34	97	.2	78	2	10
S89-5	19	118	29	105	.3	63	2	16
S89-6	7	139	35	117	.4	49	3	19
S89-7	11	126	62	135	1.4	67	3	22
S89-8	20	185	61	129	2.0	68	3	36
S89-9	12	158	31	61	.3	63	6	22
S89-10	21	296	58	128	.9	77	5	31
S89-11	9	195	23	90	.5	680	18	72
S89-12	12	132	29	94	.1	67	2	25
STD C/AU-S	18	57	43	132	7.2	40	16	47
Mean	<i>12.3</i>	<i>130</i>	<i>41</i>	<i>105</i>	<i>.54</i>	<i>68</i>	<i>3</i>	<i>21</i>
Standard Deviation	<i>5.25</i>	<i>46.6</i>	<i>14.9</i>	<i>21.9</i>	<i>.41</i>	<i>2.9</i>	<i>1.3</i>	<i>8.4</i>

APPENDIX III

ITEMIZED COST STATEMENT

ITEMIZED COST STATEMENT

<u>Personnel/Item</u>	<u>Work performed</u>	<u>Rate</u>	<u>Total</u>
M. W. Waldner (Geologist)	9 days (field)	\$500/day	\$4500.00
I. Logie (Geol. Assist.)	9 days (field) 4 days (preliminary)	\$200/day	\$1800.00 \$ 800.00
ACME LAB.	Rock and Soil analyses		\$ 451.95
Previous reports (copies)			\$ 75.00
Motorhome	transportation and accomodation	\$75/day & \$.30/Km.	\$1155.00
Helicopter	transportation		\$1053.60
Radios (2)	communications	\$25/day/radio	\$ 550.00
Hotels	travel to and from property and Stewart		\$ 756.50
Board	Food during program & travelling	\$50/day/man	\$ 900.00
Photographry			\$ 100.00
Camping supplies	Fly camp equipment		\$ 575.00
Miscellaneous	Equipment and supplies		\$ 511.55
Report preparation (M., Waldner)	4 days	\$500/day	\$2000.00
Typing and reproductions			\$ 150.00
Drafting			<u>\$ 75.00</u>
Total expenses			<u>\$15,453.60</u>