



May 11, 1990

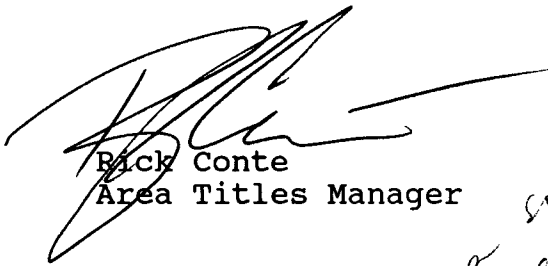
To: Talis Kalnins, P. Eng.
Mineral Inventory Unit

Re: Technical reports - XK2620 One Post Claim

Attached is a copy of a letter received from Equity Silver Mines Ltd. Have we granted this type of request in the past?

The background here is that the Regulations which opened the Recreation Areas for staking, allowed two or more titles to be staked over the same ground at the same time. The two titles in this case are held by Record Numbers 11231 and 11233, which is Michael Renning, and Equity Silver Mines Ltd., respectively.

There has been some negotiation between the parties, release of technical data would obviously prejudice the negotiations against Equity, especially since they paid for and conducted the work program.


Rick Conte
Area Titles Manager

RJC:amv

I don't recall a similar situation, but it seems sensible and fair to keep the A.R. confidential until the title ownership is settled.

LOG NO: 0515	RD. 2
ACTION:	
FILE NO:	

#19925 on XK 3022 RAc
XK 3222 RAc
XK 3020 RAc.

#20146 on XK 2620 (90/4/17)



Province of
British Columbia

MEMORANDUM

TO: Rice Route
Mineral Titles

FROM: Talis Kalnins
Mineral Inventory

SUBJECT: Technical Reports - XK 2620

DATE: 90/05/25 FILE:

- For Your Information
- Please O.K. and Return
- Please Discuss With Me
- Per Your Request
- For Your Signature
- Please Process
- Return With More Details
- Investigate and Report
- Please Answer
- For Your File

I don't recall a similar situation, but it seems sensible and fair to keep the assessment report confidential until the title ownership is settled; i.e. a report is not required if a claim is not owned.

Regards,

Talis

~~Attach to AR # 19925 and check status before rebase (including D. G.'s copy).~~

REPLY: AR not submitted yet. 90/07/17

REMOVE THIS SHEET AND FORWARD BALANCE OF SET



EQUITY SILVER MINES LIMITED
EXPLORATION DIVISION

May 9, 1990

MINISTRY OF ENERGY, MINES AND
PETROLEUM RESOURCES
Robson Square
159, 800 Hornby Street
Vancouver, British Columbia
V6Z 2C5

✓
351

MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES	
Rec'd	MAY 11 1990
SUBJECT	_____
FILE	_____
VANCOUVER, B.C.	

Attention: Mr. Rick Conte

Dear Sir:

Reference: XK2620 One Post Claim (the "Claim"),
Record Numbers 11231 and 11233,
Omineca Mining Division

Pursuant to your correspondence dated April 24, 1990, regarding the above subject matter, we would respectively request that until the situation is resolved and ownership of the Claim is determined, that all technical reports written by or on behalf of Equity Silver Mines Limited in reference to the Claim, will be kept in strict confidentiality.

We thank you for your consideration in this matter and remain,

Yours sincerely,
EQUITY SILVER MINES LIMITED

Desiree Charlton

:dc

1-0509b

c.c. R.T. Heard, General Manager, Exploration
Daryl Hanson, Minesite



RECORD OF 1 POST CLAIM - MINERAL TENURE ACT

XXX 11231

MAP NO 92

RECORD NO

Section 19

MINING RECEIPT NO 1000077

RESOURCES Vancouver

B.C. DATE OF RECORD April 17 89

DO NOT WRITE IN THIS SHADED AREA

OMINECA RECREATION AREA MINING DIVISION

APPLICATION TO RECORD A 1 POST CLAIM

Michael Renning NAME OF LOCATOR
8071 Rosewell Avenue ADDRESS
Richmond B.C.
681 9180 TELEPHONE V7A 2J3 POSTAL CODE
VALID SUBSISTING F.M.C. NO 299678
F.M.C. CODE RENNMD

AGENT FOR Self
NAME
ADDRESS
TELEPHONE
POSTAL CODE
VALID SUBSISTING F.M.C. NO
F.M.C. CODE

ACCESS

hereby apply for a record of a 1 post claim.
The name of the claim is XK2620 in the Lindquist
(alpha-numeric) (Recreation Area)
on map number 93 E 6/E

TAG INFORMATION

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post) and impressed this information on the tag:

LEGAL CORNER POST
TAG NO 30313
CLAIM NAME XK2620 RAC
LOCATOR Michael Renning
F.M.C. NO 299678
AGENT FOR Self
F.M.C. NO
DATE COMMENCED April 17, 1989
TIME
DATE COMPLETED April 17, 1989
TIME 0:00:01

If the Legal Corner Post is not placed at the southwest corner of the one post claim, please check:

OFFSET LCP [] or
WITNESS LCP []

If offset, LCP is m distance (shall not exceed 2000 metres) along westerly [] or southerly [] boundary.

If witness, LCP is m (2000, 4000 or 6000 metres) distance in a direction (N or S or E or W)

KNOWLEDGEMENT

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 1 post claims.

Signature of Locator Michael Renning

RECORDING STAMP: APR 21 1989, #77 \$8210.00, C.M. Commissioner's Office VANCOUVER, B.C., TIME: 4:25 A.M./P.M.

MINING CLAIM

RECORD OF 1 POST CLAIM - MINERAL TENURE ACT 828 11233

MAP NO 93E/6E Section 19 RECORD NO _____

MINING RECEIPT NO 1000003 SMITHERS VANCOUVER DATE OF RECORD April 17 89

DO NOT WRITE IN THIS SHADED AREA

OMINECA RECREATION AREA MINING DIVISION

APPLICATION TO RECORD A 1 POST CLAIM

BILL DYNES NAME OF LOCATOR AGENT FOR Equity Silver Mines

#13 - 1155 Melville St. ADDRESS Box 1450

Vancouver, B.C. ADDRESS Houston B.C.

685-6852 TELEPHONE V6E4C4 POSTAL CODE 845-7799 TELEPHONE V0J 1Z0 POSTAL CODE

VALID SUBSISTING F.M.C. NO. 280929 VALID SUBSISTING F.M.C. NO. _____

F.M.C. CODE _____ F.M.C. CODE _____

ACCESS

hereby apply for a record of a 1 post claim.

The name of the claim is XK 2620 BP in the TWIFEDSQUIR PROV. PK (Recreation Area)

on map number 93E/6E.

TAG INFORMATION

I have securely fastened the metal identification tag embossed "LEGAL CORNER POST" to the legal corner post (or witness post) and impressed this information on the tag:

LEGAL CORNER POST

TAG NO. 64533

CLAIM NAME XK 2620

LOCATOR Bill Dynes

F.M.C. NO. 280929

AGENT FOR Equity Silver Mines

F.M.C. NO. 280626

DATE COMMENCED April 17, 89

TIME 00:00:00

DATE COMPLETED April 17, 1989

TIME 00:00:01

If the Legal Corner Post is not placed at the southwest corner of the one post claim, please check:

OFFSET LCP or

WITNESS LCP

If offset, LCP is _____ in distance (shall not exceed 2000 metres) along westerly or southerly boundary.

If witness, LCP is _____ in distance in a _____ direction. (2000, 4000 or 6000 metres) (N or S or E or W)

ACKNOWLEDGEMENT

I have complied with all the terms and conditions of the Mineral Tenure Act Regulation pertaining to the location of 1 post claims.

B. Dynes
Signature of Locator

SUB RECORDER

1 APR 18 1989

M.R. 100003 \$ 1440

SMITHERS, B.C.

TIME: 3:30 A.M./P.M.

RECORDING STAMP

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 91.04 17

ASSESSMENT REPORT 20146

MINING DIVISION: Omineca

PROPERTY: Midnight
LOCATION: LAT 53 26 00 LONG 127 05 00
UTM 09 5921970 627334
NTS 093E06E
CLAIM(S): XK 2420,XK 2620,XK 2418,XK 2618
OPERATOR(S): Equity Silver
AUTHOR(S): Aziz, M.L.
REPORT YEAR: 1990, 32 Pages
COMMODITIES
SEARCHED FOR: Gold,Silver
KEYWORDS: Jurasssic,Telkwa Formation,Andesites,Rhyolitic tuffs,Quartz veins
Galena,Sphalerite,Chalcopyrite,Tetrahedrite,Arsenopyrite,Pyrite
WORK
DONE: Geological,Geochemical
GEOL 1600.0 ha
Map(s) - 2; Scale(s) - 1:5000,1:10 000
ROCK 30 sample(s) ;CU,PB,ZN,AU,AG,AS,SB
SILT 34 sample(s) ;CU,PB,ZN,AG,AU,AS,SB
Map(s) - 1; Scale(s) - 1:10 000
RELATED
REPORTS: 19925
MINFILE: 093E 027,093E 028

LOG NO:	0724	RD.
ACTION:		
FILE NO:		

ASSESSMENT REPORT
FOR THE
ROCK AND SILT GEOCHEMISTRY
ON THE
MIDNIGHT PROPERTY
MINERAL CLAIMS

DOMINICA MINING DIVISION

NTS 93E / 6

LATITUDE 53 26' N

LONGITUDE 127 05' W

OWNED BY: EQUITY SILVER MINES LIMITED

WORK BY: EQUITY SILVER MINES LIMITED

REPORT BY: M. L. AZIZ

MAY 1990

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,146

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APPENDIX II	- Equity Silver Mines Laboratory Sample Preparation and Analytical Procedure
APPENDIX III	- Bulk Silt and Silt Samples Geochemical Results
APPENDIX IV	- Rock Chip Samples Description and Analyses

INTRODUCTION

1) LOCATION and ACCESS

The Midnight mineral property is located in the Tweedsmuir Recreation Area on the east side of Whitesail Lake approximately 105 kilometres south of the town of Houston and 520 kilometres north-northwest of Vancouver in west-central British Columbia (see Figure 1).

The property is situated on the moderately steep, northwest facing slope of Chikamin Mountain in the Tantsa Ranges of the Hazelton Mountains physiographic region. Elevations on the property range from 950 to 1675 metres.

Access to the property is via helicopter from Houston. Landing sites below treeline are restricted to gravel bars along the major creeks and a few isolated locations along the shoreline.

Bedrock exposure is generally poor except in the creek gullies and along prominent ridges.

Below treeline at the 1425 metre elevation the area is heavily forested with mature spruce and balsam.



Figure 1 - Property Location Map

ii) CLAIM OWNERSHIP and STATUS

The Midnight property is comprised of the following one-post mineral claims in the Omineca Mining Division (see figure 2) that have been grouped for the purpose of recording assessment:

TABLE 1

<u>CLAIM</u>	<u>CLAIM STATUS - MIDNIGHT</u>		<u>PROPERTY</u>
	<u>RECORD #</u>	<u>UNITS</u>	<u>ANNIVERSARY DATE</u>
XK2420RAC	11202	16	APRIL 17
XK2418RAC	11224	16	APRIL 17
XK2622RAC	11239	16	APRIL 17
XK2620RAC	11233	16	APRIL 17
XK2618RAC	11230	16	APRIL 17
XK2616RAC	11226	16	APRIL 17
XK2822RAC	11206	16	APRIL 17
XK2820RAC	11205	16	APRIL 17
XK2818RAC	11237	16	APRIL 17
XK2816RAC	11235	16	APRIL 17

These claims are wholly owned by Equity Silver Mines Ltd. and are not subject to any vendor agreements.

111) CLAIM HISTORY

The area covered by the current claims has been explored several times in the past. Between 1919 - 1945 several different claims were staked around what is called the Ruby Adit. The adit follows a vein structure that contains galena, sphalerite, chalcopryrite, tetrahedrite, and pyrite. Apparently there was brief production at the Ruby Adit, but only one ton of ore was shipped.

In 1945 a showing called the Dad's Special was discovered. It consists of sphalerite and galena stringers within pyritic tuffs.

Again in 1945, a claim called the Chikamin Group was staked upon which a small adit was developed. This adit follows a shear zone with quartz veins that contain galena, sphalerite, arsenopyrite, chalcopryrite, and pyrite.

During the period from 1974 to 1989 no claim staking or exploration work was permitted within the boundaries of Tweedsmuir Park. On April 17, 1989 the Tweedsmuir Provincial Recreation Area was established and opened for one-post staking. At this time, the Midnight claims were located to cover a large area containing the known showings.

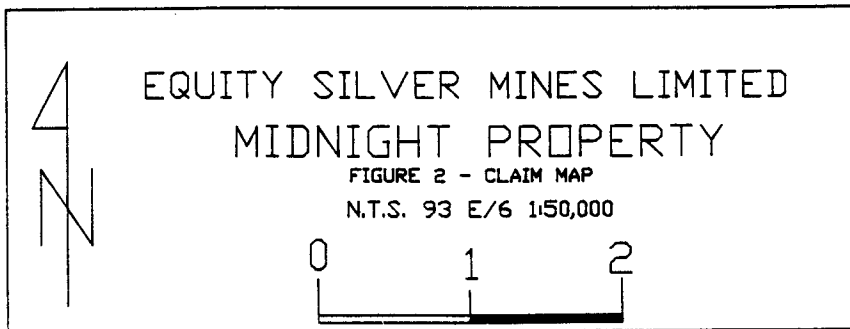
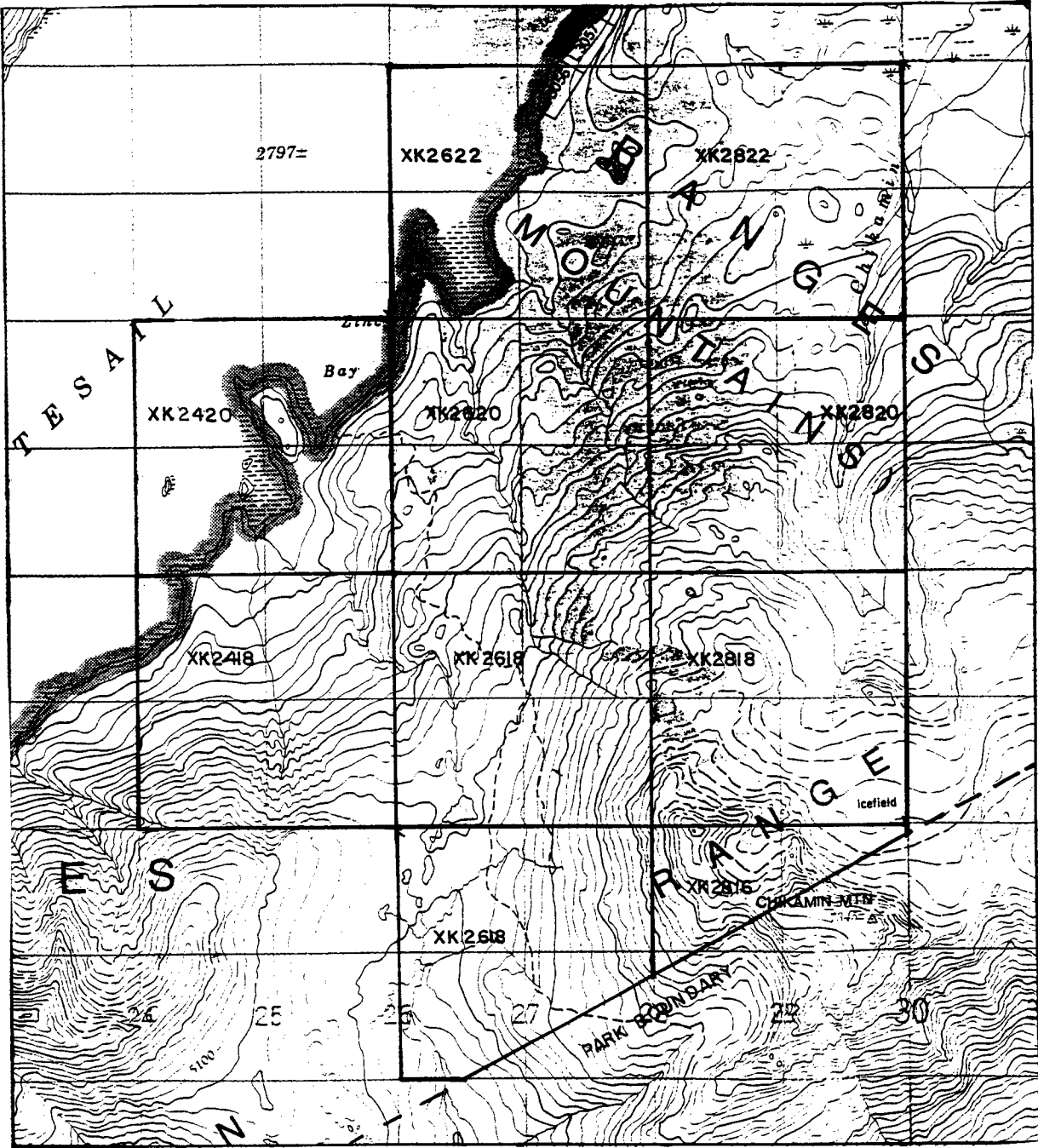


Figure 2 - Claim Location Map

iv) PURPOSE

In August of 1989 a multi - element silt and rock geochemistry reconnaissance survey was undertaken in conjunction with geological mapping to explore the poorly exposed area below treeline and to identify areas requiring more intensive follow-up exploration.

v) SUMMARY

As part of the 1989 work program, 19 bulk samples and 15 silt geochemical samples were collected from five of the main creeks on the Midnight Property. These samples were analyzed for copper, lead, zinc, silver, gold, arsenic, and antimony. In addition 24 rock chip samples were taken from altered outcrops and were assayed for copper, lead, zinc, silver, gold, arsenic, antimony, and iron. The rock chip samples were collected from outcrops along the five creeks and from along traverses between the creeks.

Bulk sampling in the five creeks detected strongly anomalous gold, arsenic, silver, lead, and zinc values in Creek D and strongly anomalous gold values in Creeks C and E (see figure 3).

The silt sampling confirmed the strongly anomalous values in Creek D, but did not detect the anomalous gold in Creeks C and E.

Rock chip sampling located five outcrops, spatially related to shear zones in Creek D, with strongly anomalous gold values, one of which was also strongly anomalous in zinc, lead, silver, and copper. The rest of the rock chip samples, apart from the Ruby Adit samples, were not anomalous except for a few elevated zinc, lead, and copper values. The Dad's Special and Chikamin showings were not observed.

This report documents expenditures by Equity Silver Mines Ltd. of \$ 14,137.10 on the Midnight property.

GEOLOGY

The Midnight claims are located near the western margin of the Intermontaine Tectonic Belt in Stikinia Terrane, approximately 20km due east of the Coast Plutonic Complex. According to Diakow and Kovanagi, 1988, the area is underlain by a sequence of calc-alkaline continental volcanic rocks belonging to the Lower Jurassic Telkwa Formation of the Hazelton Group that have been intruded by small Late Cretaceous and/or Tertiary diorite plugs and sills and andesite dykes.

The dominant rock types of the Telkwa formation are described as maroon and green colored, lapilli and ash tuffs of andesite to rhyolite composition. Intervening flows of basaltic to rhyolitic composition with massive, plagioclase porphyry, and amygdaloidal textures have also been observed.

PROCEDURE

1) SILT GEOCHEMISTRY

Eighteen bulk silt samples were collected at 300 metre intervals in the five major creeks. The procedure involves wet sieving stream gravel with a -20 mesh screen and collecting two to three kilograms of the fines as a sample. Sample sites were carefully chosen from plunge pools and point bars to be representative of deposition in a high energy environment. Samples were dug deeply from one location to be representative of deposition over several seasons.

A silt sample was taken close to the locations of most of the bulk silt samples. These silt samples were not sieved, but consisted mainly of fine material collected from low energy portions of the creek. Enough material was collected at each sample site to fill one 4" x 6" kraft envelope.

Notes were taken for each sample regarding the characteristics of the stream, composition of the sample, position of the sample site in the stream, and type of bank material.

Samples were sent to the Placer-Dome Research Lab in Vancouver, B.C. for preparation and geochemical analysis. Gold analysis on the bulk samples was performed in triplicate from the -150 mesh fraction (for analytical procedure see Appendix I).

11) GEOLOGIC MAPPING AND ROCK CHIP SAMPLING

Outcrops found within the five creek gullies and along the six traverses (see figure 3) were located and described. Notes were kept for each outcrop pertaining to lithology, colour, size, location, grain size, alteration, mineralogy, and structure. The location of each outcrop was determined using a 1 : 50000 scale N.T.S. map and a hip chain that was started at an easily recognizable location within the creek or along the traverse line.

Representative rock chips were collected from selected, strongly altered and/or sheared intervals. Approximately two kilograms of minus 3 cm material was taken for each sample. Notes were kept for each sample with regard to lithology, length, and location.

A total of 24 rock chip samples were collected and assayed at the Equity Silver Minesite Laboratory for silver, arsenic, gold, copper, lead, antimony, zinc, and iron (see appendix II for analytical procedure). Six of the samples were also sent to the Placer-Dome Research Laboratory in Vancouver for geochemical analysis silver, arsenic, gold, copper, fluorine, lead, antimony, and zinc.

RESULTS and DISCUSSION

i) SILT GEOCHEMISTRY

Eighteen bulk samples and fifteen silt samples were collected from the five main creeks (see figure 5). The geochemical results of both the bulk samples and the silt samples are listed in Appendix III. Not enough geochemical data is available from the two sample types to conduct rigorous statistical analysis, so the following threshold levels were determined using the BC RGS data for sheet 93E as a guide:

THRESHOLD ANOMALOUS LEVELS
BULK SAMPLES

Ag	As	Au	Cu	Pb	Sb	Zn
ppm	ppm	ppb	ppm	ppm	ppm	ppm
0.8	30	100	150	100	2	250

THRESHOLD ANOMALOUS LEVELS
SILT SAMPLES

Ag	As	Au	Cu	Pb	Sb	Zn
ppm	ppm	ppb	ppm	ppm	ppm	ppm
0.5	23	21	66	25	1.4	190

Tables II and III are compilations of anomalous elements for the bulk samples and silt samples using the above threshold levels.

TABLE II
ANOMALOUS BULK SAMPLES

<u>SAMP#</u>	<u>CREEK</u>	<u>ELEMENTS</u>
001A	Creek A	As, Sb
002A	Creek A	As, Sb
003A	Creek A	As, Sb
004A	Creek A	As, Sb
005A	Creek A	As, Sb
002B	Creek B	As
003B	Creek B	As
001C	Creek C	Au
002C	Creek C	Au
001D	Creek D	As, Au, Pb, Zn
002D	Creek D	Ag, As, Au, Pb, Sb, Zn
003D	Creek D	Ag, As, Au, Pb, Sb, Zn
004D	Creek D	As, Au, Pb, Sb, Zn
005D	Creek D	Ag, As, Au, Pb, Sb, Zn
003E	Creek E	Zn

TABLE III
ANOMALOUS SILT SAMPLES

<u>SAMPLE</u>	<u>CREEK</u>	<u>ELEMENTS</u>
001A	Creek A	Ag, As, Pb
002A	Creek A	Pb
003A	Creek A	Ag, As, Pb
004A	Creek A	Pb
005A	Creek A	Ag, Sb
001D	Creek D	Ag, Sb
002D	Creek D	Ag, As, Au, Pb, Zn
003D	Creek D	Ag, As, Au, Pb, Zn
004D	Creek D	Ag, As, Au, Cu, Pb, Sb, Zn

ii) ROCK CHIP SAMPLING

Twenty four rock chip samples were collected from altered outcrops within the five creeks and along the six traverses (see figure 5). All of the samples were assayed for silver, arsenic, gold, copper, lead, antimony, zinc, and iron and six of the samples were sent for geochemical analysis of the above seven elements plus fluorine.

The following threshold anomalous levels were established by inspection:

ASSAY THRESHOLD LEVELS

Ag	As	Au	Cu	Pb	Sb	Zn
gpt	%	gpt	%	%	%	%
3	.02	.06	.02	.02	.015	.025

GEOCHEMICAL THRESHOLD LEVELS

Ag	As	Au	Cu	Pb	Sb	Zn
ppm	ppm	ppm	ppm	ppm	ppm	ppm
3	100	60	200	200	10	250

Tables IV and V are compilations of anomalous elements for the assay and geochemical data using the above threshold values. See Appendix IV for a complete listing of the rock sampling results.

TABLE IV
ANOMALOUS ASSAY SAMPLES

SAMP#	LOCATION	LENGTH m	ELEMENTS
9402	Creek B	grab	Ag, Cu, Pb, Zn
9406	Creek B	1.5	Cu
9408	Creek D	3.0	Au, Zn
9409	Creek D	0.5	Ag, Au, Cu, Zn
9410	Creek D	1.5	Au, Cu, Zn
9411	Creek D	1.5	Ag, Au, Cu, Pb, Zn
9412	Creek D	1.0	Ag, As, Au
9413	Creek D	2.0	Cu
9414	Ruby Adit	grab	Ag, As, Au, Cu, Pb, Sb, Zn
9415	Ruby Adit	grab	Ag, As, Au, Cu, Pb, Sb, Zn
9416	Ruby Adit	0.5	Ag, As, Au, Cu, Pb, Sb, Zn
9417	Traverse	grab	Ag, Au, Cu, Pb, Zn
9419	Traverse	1.5	Ag, Cu, Pb, Zn
9424	Creek D	1.5	Ag, Pb, Zn
8161	Traverse	0.5	Ag, Cu, Zn

TABLE V
ANOMALOUS GEOCHEMICAL SAMPLES

SAMP #	LOCATION	LENGTH m	ELEMENTS
9408	Creek D	3.0	Au
9409	Creek D	0.5	As, Au, Cu, Sb, Zn
9410	Creek D	1.5	Au, Cu, Sb
9411	Creek D	1.5	Ag, As, Au, Cu, Pb, Sb, Zn
9412	Creek D	1.0	Ag, As, Au
9413	Creek D	2.0	Cu

iii) GEOLOGICAL MAPPING

Reconnaissance geological mapping of the Midnight property took place along the five major creeks and along six planned traverses. The outcrop locations, relative sizes, rock types, and structures are shown in figures 3 and 4.

Most of the outcrop mapped on the property consisted of a dark grey/green to brick-red coloured andesitic tuff. The majority of these andesitic tuff outcrops contain approximately equal amounts of ash and lapilli fragments although some outcrops were found to contain only abundant ash or lapilli-sized fragments. Minor block-sized fragments were found in some outcrops around creeks A and D. The fragments are mostly andesitic and less often rhyolitic in composition. They range from subangular to subrounded with the larger fragments tending to be more subrounded. Some of the andesitic tuff outcrops contain minor plagioclase crystals 3 - 5 mm in length, subhedral to euhedral, that have been partially saussuritized. The matrix is usually chloritic with minor epidote spots and patches, but sometimes a hematitic matrix was found with minor chloritic spots. Carbonate +/- quartz veins and veinlets are common in several of the outcrops.

The andesitic tuff outcrops are generally weakly fractured except near creek D where a shear zone is thought to be present. Around this shear zone the outcrops are moderately to strongly fractured and foliated subparallel to the strike of the shear structure.

Most of the andesitic tuff outcrops have had weak silica alteration. Some of the outcrops have been more strongly altered

by silica +/- sericite which in some cases has nearly obliterated the original tuff texture. These strongly altered andesitic tuffs are found near the shear zone around creek D.

The majority of the andesitic tuff outcrops are weakly mineralized containing only minor disseminated pyrite and specularite with trace pyrite cubes, blebs, and stringers. Closer to the shear zone, near creek D, several of the andesitic tuff outcrops become more strongly mineralized. These strongly mineralized outcrops contain, on average, 3 - 5 % pyrite that is disseminated and found along discontinuous stringers. Minor malachite and azurite are present in one outcrop close to the shear zone.

Some of the quartz veins close to the shear zone and within the andesitic tuff contain abundant sulphide minerals and were found to be anomalous in gold, silver, copper, lead, and zinc (rock chip samples 9411 & 9412).

The second most abundant rock type mapped on the property is a cream to whitish-grey coloured felsic volcanic. Several of these outcrops were seen close to the andesitic tuff outcrops, but no actual contacts were observed. The felsic volcanic outcrops are found east of Creek B and seem to be concentrated in creeks A, D, & E (see figures 3 & 4).

The felsic volcanics are predominantly fine-grained ash tuffs with minor lapilli-sized fragments. The fragments are subangular to subrounded and are andesitic to rhyolitic in composition. Approximately half of the outcrops contain minor small rounded quartz phenocrysts. Chloritic quartz +/- carbonate

veins and veinlets are common in some of the outcrops. Minor epidote spots were found.

Most of the felsic volcanic outcrops are weakly to moderately fractured and some of them have a weak foliation. One medium-sized outcrop at the end of creek A is moderately brecciated. Fracturing was observed much more often than foliation which is thought to be a result of the brittle nature of this rock type. A few of the outcrops display very rough bedding or layering (3 - 4 cm across).

All of the felsic volcanic outcrops are moderately to strongly siliceous which could either be primary and/or a result of silica alteration. Some of the outcrops also have moderate to strong sericite alteration. In some cases the alteration has been strong enough to remove the original texture.

The majority of the felsic volcanics are weakly mineralized with only trace to minor disseminated pyrite and trace specularite blebs. Around the southern portion of creek D the pyrite content increases to 2 - 5 % which is found disseminated, as blebs, and as discontinuous stringers. Two rock chip samples of the felsic volcanics displayed elevated zinc values (#9424 & #8161) and one of these samples also contained elevated lead.

A third rock type mapped on this property is a light whitish-grey quartz/sericite altered rock that is spatially related to the shear zones in the lower portions of Creek D. These shear zones vary in width from 1 to 3.5 metres, sometimes

with a smaller rusty mineralized zone within a wider shear zone.

Most of the rocks within the shear zone structure have lost all previous texture, but a few of the outcrops have a remnant lapilli-ash texture and the shear is usually found in contact with the lapilli-ash andesitic tuff. The foliation within the shear zone is moderate to strong and strikes roughly north-south with a subvertical dip.

The alteration within the shear zone consists of strong silica and sericite with minor carbonate. Some of the outcrops have been altered and weathered to sericite and clay minerals.

The rusty portion of the shear zone contains 5 - 10 % pyrite that occurs mainly within small stringers. Some of the rock chip samples taken from this part of the shear contain anomalous gold and copper values (#9409,#9413). In the main" portion of the shear there is generally 2 - 3 % pyrite found as cubes and blebs along fractures. Two rock chip samples taken from this portion of the shear were anomalous in gold (#9408,#9410). Some of the shear zone outcrops contained no mineralization and were not anomalous in any elements.

One outcrop of fine-grained black argillite was found within creek D. The unit is 2 m across and has been gently folded with a plunge of 059 / 40 degrees. Interbedded with the argillite is a 0.5 m thick silica/sericite altered felsic unit. The argillite outcrop was found on the east side of the creek with green/grey andesitic tuff on the west side. The argillite is not mineralized.

INTERPRETATIONS AND RECCOMENDATIONS

In the area along Creek D, all the bulk and silt samples were strongly anomalous in gold and moderately anomalous in silver, arsenic, lead and zinc. Geological mapping discovered a shear system with associated strong quartz-sericite alteration cross-cutting the creek. Rock samples taken from within and adjacent to the shear zone were found to be anomalous in gold, silver, arsenic, antimony, copper, and zinc.

Bulk and silt samples taken upstream from the shear zone were also anomalous.

Programs of systematic soil geochemistry, continued bulk and silt sampling, induced polarization geophysics, and geological mapping should be conducted in the area around Creek D. The potential for discovering an extension of the Ruby vein remains promising in this area.

STATEMENT OF EXPENDITURES

1. Rock Assay Analyses for Cu, Pb, Zn, Ag, Au, Fe, As, Sb 24 samples at \$25.00 / sample	\$ 600.00
2. Bulk Silt Geochemical Analyses for Cu, Pb, Zn, Ag, Au x3, As, Sb 19 samples at \$23.90 / sample	454.10
3. Silt Geochemical Analyses for Cu, Pb, Zn, Ag, Au, As, Sb 15 samples at \$13.90 / sample	208.50
4. Rock Geochemical Analyses for Cu, Pb, Zn, Ag, Au, F, As, Sb 6 samples at \$19.75 / sample	118.50
5. Salaries	
M. Aziz, prospecting and supervision Aug. 17 - 28 11 days at 120.00 / day	1,320.00
D. Makowichuk, sampling Aug. 17 - 28 11 days at 100.00 / day	1,100.00
C. Joudrie, sampling Aug. 17 - 28 11 days at 100.00 / day	1,100.00
C. Jung, sampling Aug. 17 - 28 11 days at 100.00 / day	1,100.00
6. Camp Costs 44 man-days at 35.00 / day	1,540.00
7. Helicopter 9.1 hrs. at 560.00 / hr	5,096.00
8. Report	1,500.00

TOTAL	\$14,137.10

AUTHOR'S QUALIFICATIONS

I, Michael L. Aziz, do hereby certify that:

1. I am a geologist residing at Crest Manor Apts. #302, Butler Ave., Houston, British Columbia, V0J 1Z0
2. I am a 1987 graduate of the University of Western Ontario, London, Ontario with an Honours B.Sc. degree in geology.
3. I have been employed steadily in the geology field since May, 1987.
4. Since May 1989, I have been employed as an exploration geologist with Equity Silver Mines Ltd.
5. I did personally prepare this report.

Respectfully submitted,
Equity Silver Mines Ltd.

Mike Aziz

Michael L. Aziz, B.Sc.
Exploration Geologist

APPENDIX I
PLACER DOME RESEARCH CENTRE
SAMPLE PREPARATION AND ANALYTICAL PROCEDURE

i) SOIL SAMPLE PREPARATION

- samples are hot air dried at 50 degrees centigrade
- minus 80 mesh fraction is sieved out for analysis

ii) BULK SILT SAMPLE PREPARATION

- samples are hot air dried at 50 degrees centigrade
- minus 150 mesh fraction is sieved out for analysis

iii) ROCK SAMPLE PREPARATION

- 250 g sub-sample is pulverized to minus 150 mesh

iv) ANALYTICAL PROCEDURE

- Cu, Pb, Zn, Ag : 0.5 g of sieved material dissolved in HCL04 / HNO3 for four hours and analyzed by atomic absorption
- Au : 10.0 g of sieved material dissolved in aqua regia for three hours and analyzed by atomic absorption
- As : 0.5 g of sieved material dissolved in aqua regia for three hours and analyzed by DC plasma
- Sb : 0.5 g of sieved material dissolved in HCL / HNO3 for three hours and analyzed by DC plasma

APPENDIX II
EQUITY SILVER MINES LABORATORY
SAMPLE PREPARATION AND ANALYTICAL PROCEDURE

i) rock preparation

- samples are hot air dried and pulverized to -100 mesh

ii) analytical procedure for Cu, Zn, Pb, As, Sb, Ag, Fe

- 1 gram of pulverized material is dissolved in 5 ml of nitric acid
- solution is boiled for 15 minutes
- 20 ml of 2% tartaric and 10 ml hydrochloric acid are added
- solution is heated gently for 10 minutes
- solution is cooled and allowed to settle for 15 minutes
- analysis by Atomic Absorption

iii) analytical procedure for Au

- fire assay 25.0 gram sample with 130 grams of flux and 2 mg silver
- to drill from fire assay add 2 ml 1:1 nitric acid
- heat gently
- add 3 ml conc. hydrochloric acid
- cool solution to room temperature
- analysis by Atomic Absorption

APPENDIX III
BULK SILT AND SILT SAMPLES
GEOCHEMICAL RESULTS

I. BULK SILT SAMPLES

SAMPLE	PROJECT	Ag PPM	As PPM	Au1 PPB	Au-A PPB	Au-B PPB	Cu PPM	Pb PPM	Sb PPM	Zn PPM	
MIDBS	001A	9505	0.2	72	<5	5	15	40	42	2.1	167
MIDBS	002A	9505	0.1	86	5	10	<5	42	40	2.5	163
MIDBS	003A	9505	0.1	55	15	5	10	42	45	2.8	172
MIDBS	004A	9505	0.1	51	5	15	5	41	44	3.1	171
MIDBS	005A	9505	0.2	47	25	5	10	33	26	2.5	123
MIDBS	001B	9505	0.1	26	20	<5	<5	32	26	1.3	118
MIDBS	002B	9505	0.2	41	10	15	5	30	30	1.6	126
MIDBS	003B	9505	0.1	54	5	15	<5	31	34	1.9	131
MIDBS	001C	9505	0.1	24	1075	<5	<5	56	25	0.5	138
MIDBS	001C*	9505									
MIDBS	002C	9505	<0.1	8	115	65	120	41	24	0.5	131
MIDBS	001D	9505	0.2	42	690	220	70	42	157	1.3	262
MIDBS	002D	9505	0.8	55	395	80	330	45	132	2.6	184
MIDBS	003D	9505	2.0	101	1235	515	1370	58	216	4.1	265
MIDBS	004D	9505	0.5	147	365	1005	745	50	297	5.3	375
MIDBS	005D	9505	3.2	228	1755	2260	3615	77	424	2.5	388
MIDBS	001E	9505	0.2	14	90	5	5	39	46	1.1	222
MIDBS	002E	9505	0.5	14	5	5	5	5	52	1.3	208
MIDBS	003E	9505	0.1	13	5	85	55	48	57	1.4	251

II. SILT SAMPLES

SAMPLE	PROJECT	Ag PPM	As PPM	Au1 PPB	Cu PPM	Pb PPM	Sb PPM	Zn PPM
A	1 0303	0.5	23	<5	31	31	<2	142
A	2 0303	0.4	22	<5	30	26	<2	123
A	3 0303	0.5	29	<5	35	33	<2	141
A	4 0303	0.4	20	<5	36	26	<2	122
A	5 0303	0.8	21	<5	38	22	2	135
B	1 0303	0.3	15	<5	26	15	<2	101
B	2 0303	0.4	22	<5	26	21	<2	118
B	3 0303	0.3	21	<5	28	21	<2	120
C	1 0303	0.2	2	<5	14	9	<2	90
STD P1	0303	0.3	19		26	50	3	132
C	2 0303	0.3	3	<5	14	10	<2	102
D	1 0303	1.0	44	180	50	83	<2	210
D	2 0303	1.4	64	120	52	96	<2	260
D	3 0303	1.5	72	55	55	130	<2	281
D	4 0303	2.0	82	512	61	114	2	343

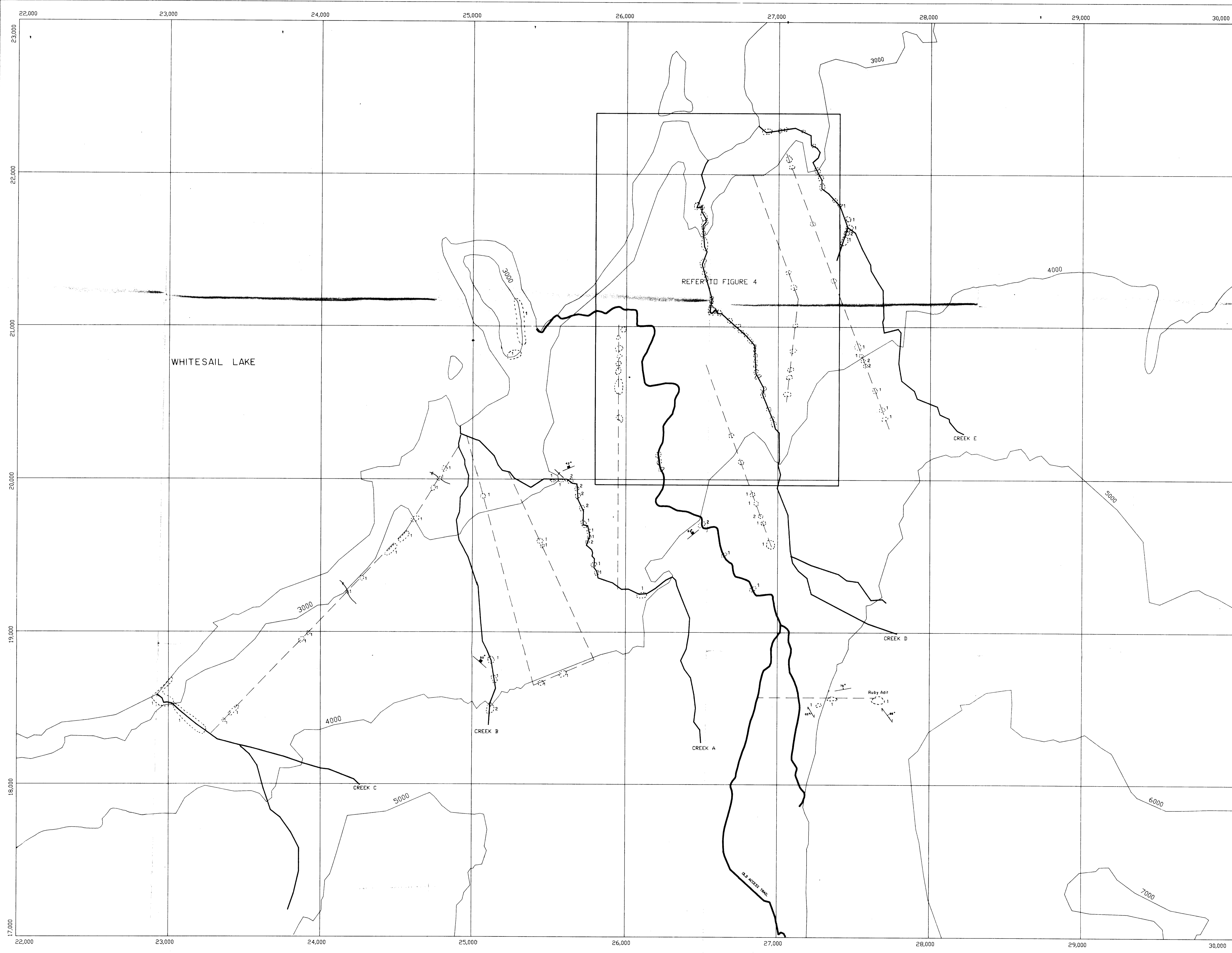
APPENDIX IV
ROCK CHIP SAMPLES
DESCRIPTION AND ANALYSES

I. GEOCHEMICAL RESULTS

SAMP#	LEN m	DESCRIPTION	Ag ppm	As ppm	Au ppb	Cu ppm	F ppm	Pb ppm	Sb ppm	Zn ppm
9408	3.0	shear zone	0.7	63	210	23	360	13	<2	196
9409	0.5	rusty shear zone	1.8	101	490	880	248	25	32	285
9410	1.5	shear zone	1.4	91	115	510	270	22	29	224
9411	1.5	quartz vn in andesite	15.0	223	2500	.31%	250	.45%	11	4.6%
9412	1.0	quartz vn in andesite	3.4	247	105	43	300	17	3	128
9413	2.0	rusty shear zone	1.3	10	<5	252	350	15	5	116

II. ASSAY RESULTS

SAMP#	LEN m	DESCRIPTION	Cu %	Ag g/t	Au g/t	Sb %	As %	Fe %	Pb %	Zn %
9401	2.0	andesite w/ Qtz vnits	.01	2	.04	tr	.01	2.71	tr	.02
9402	grab	andesite w/ Qtz-cb vnits	.02	3	.04	tr	tr	4.05	.08	.16
9403	grab	andesite	tr	nd	.05	tr	nd	3.83	tr	tr
9404	3.0	andesite w/ rusty pt's	.01	2	.04	tr	tr	6.05	tr	.01
9405	3.0	andesite w/ rusty pt's	.01	2	.03	.01	.01	4.28	tr	.01
9406	1.5	felsic volc.	.02	nd	.03	tr	nd	4.21	tr	tr
9407	1.5	andesite	tr	1	.03	tr	.01	2.73	tr	.01
9408	3.0	shear zone	tr	2	.29	.01	nd	7.26	tr	.03
9409	0.5	rusty shear zone	.08	3	.77	.01	tr	6.22	.01	.03
9410	1.5	shear zone	.05	2	.26	tr	tr	5.96	tr	.03
9411	1.5	quartz vn in andesite	.3	15	1.99	.01	.01	5.07	.51	17.3
9412	1.0	quartz vn in andesite	tr	4	.21	.01	.02	7.87	tr	.02
9413	2.0	rusty shear zone	.03	2	.04	.01	.01	2.45	tr	.02
9414	grab	Ruby Adit- rubble pile	.64	359	1.77	.02	.09	6.19	8.10	7.60
9415	grab	Ruby Adit- rubble pile	1.44	890	1.64	.03	.24	17.7	1.38	8.10
9416	0.5	Ruby Adit- quartz vein	.07	163	1.26	.02	.23	4.68	7.40	3.93
9417	grab	quartz vein	.05	17	.09	tr	tr	3.42	.69	.67
9419	1.5	andesite w/ quartz vnits	.02	5	.04	tr	.01	5.91	.03	.45
9420	1.5	felsic volc.	tr	2	.04	nd	nd	1.02	.01	.02
9421	2.0	felsic volc.	tr	1	.04	tr	nd	1.66	.01	.01
9422	3.0	andesite	tr	2	.05	.01	nd	4.37	.01	.02
9423	3.0	felsic volc.	tr	1	.04	tr	nd	3.11	tr	.01
9424	1.5	felsic volc.- Qtz vn	.01	5	.04	.01	nd	2.14	.22	.16
8161	0.5	felsic volc.	.02	4	.04	tr	.01	4.26	.02	.12



MIDNIGHT PROPERTY
FIGURE 3
COMPILATION MAP

LEGEND

- RED/GREEN ASH-LAPILLI ANDESITIC TUFFS
- CREAM COLOURED SILICEOUS FELSIC VOLCANICS
- QUARTZ/SERICITE ALTERATION RELATED TO SHEAR ZONES
- BLACK ARGILLITE
- fracture set
- foliation
- bedding
- traverse

REFER TO FIGURE 4

WHITESAIL LAKE

CREEK E

CREEK D

Ruby Adit

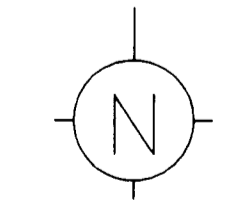
CREEK A

CREEK B

CREEK C

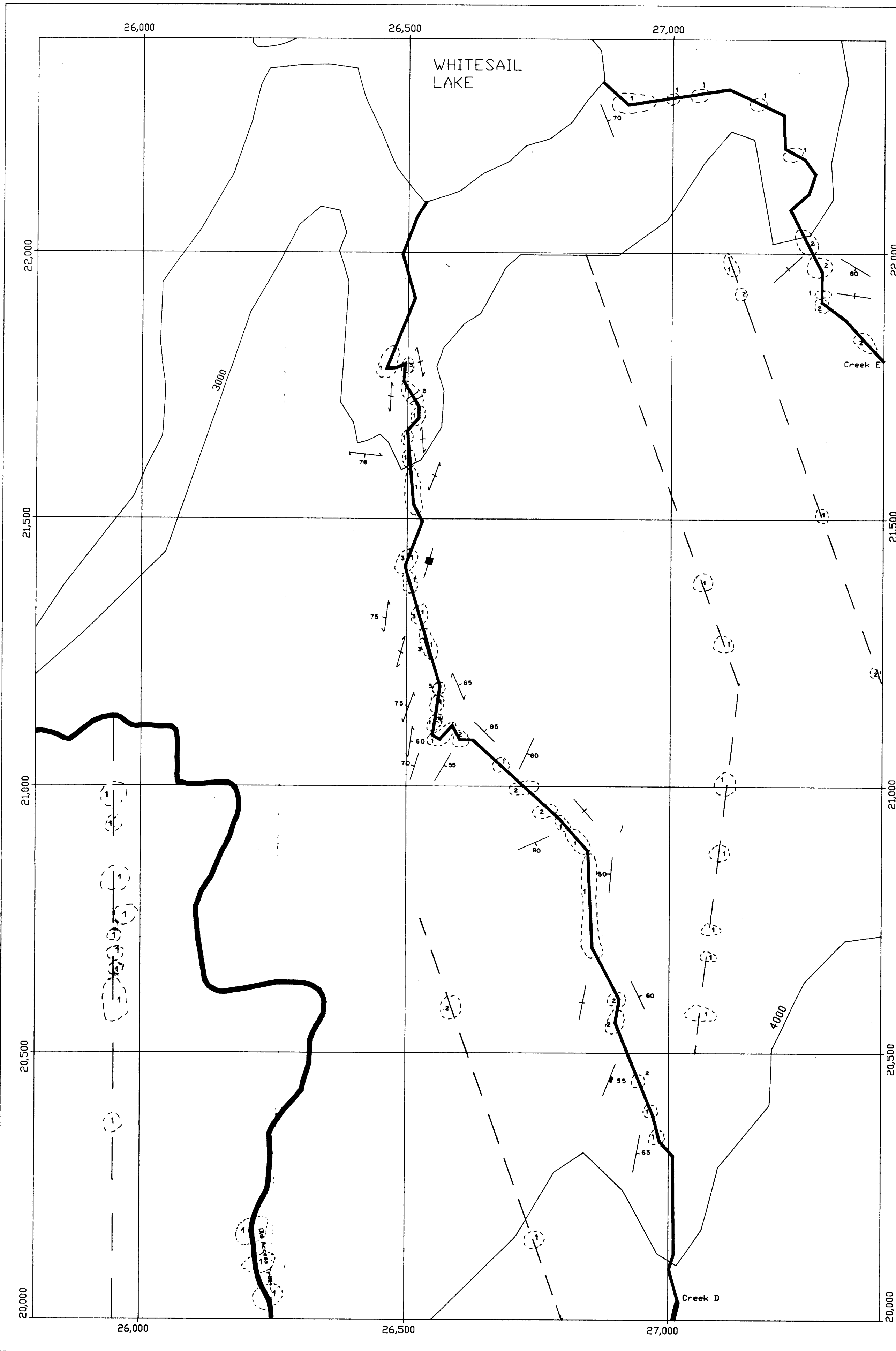
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20,146

EQUITY SILVER MINES LTD	
DRAWN	EXP
DATE 90-04-17	MIDNIGHT PROPERTY
SCALE 1:10000	FIGURE 3
	COMPILATION MAP
NO.	PLATE



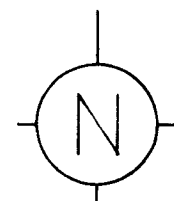
MIDNIGHT PROPERTY
FIGURE 4
CREEK D

LEGEND

- (1) RED/GREEN ASH-LAPILLI ANDESITIC TUFFS
- (2) CREAM COLOURED SILICEOUS FELSIC VOLCANICS
- (3) QUARTZ/SERICITE ALERATION RELATED TO SHEAR ZONES
- (4) BLACK ARGILLITE
- fracture set
- foliation
- bedding
- traverse

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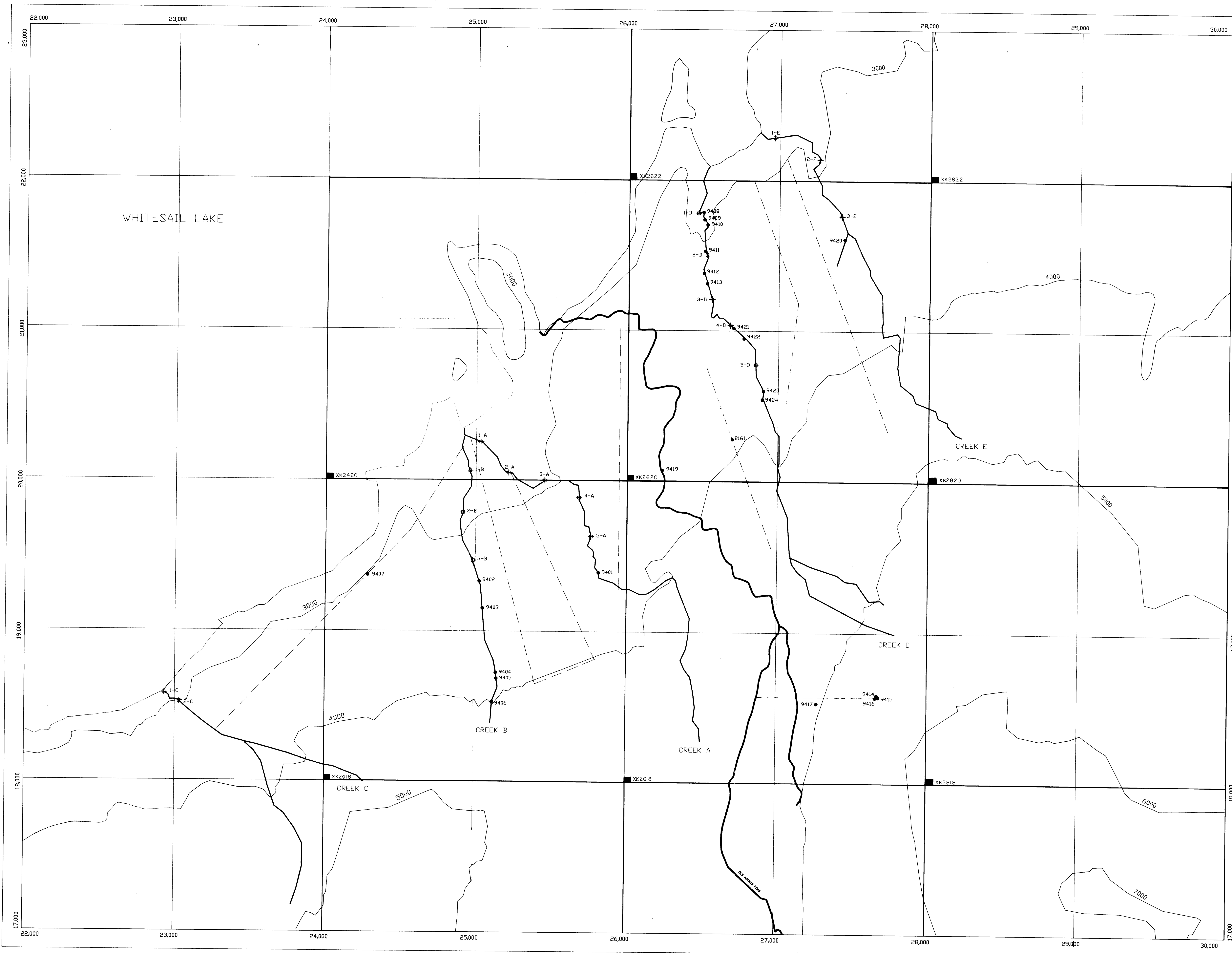
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EQUITY SILVER MINES LTD	
DRAWN	EXP
DATE 90/04/17	MIDNIGHT PROPERTY
SCALE 1:5000	FIGURE 4
	CREEK D
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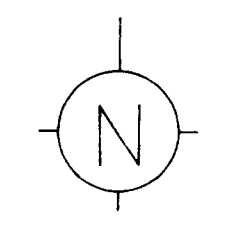


MIDNIGHT PROPERTY
FIGURE 5

LEGEND

- ROCK CHIP SAMPLE LOCATION
- ⊕ BULK SEDIMENT & SILT SAMPLE LOCATION
- - - TRAVERSE
- CLAIM BOUNDARY

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 FIELD ID FILE MID.89CDN



EQUITY SILVER MINES LTD	
DRAWN	EXP
MIDNIGHT PROPERTY	
FIGURE 5	
SAMPLE LOCATION MAP	
DATE 900417	ND.
SCALE 1:10000	PLATE

GEOLOGICAL BRANCH
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