

LOG NO: 1106  
FILE NO:

**SILVER BUTTE PROJECT**  
=====

DIAMOND DRILL REPORT

HOLE 89-5

**FILMED**

Skeena Mining Division  
NTS 104B1E

Lat: 56° 06' N      Long: 130° 02' W

Owner:      Tenajon Gold Corp.  
              #860 - 625 Howe Street  
              Vancouver, B.C.  
              V6C 2T6

Operator: Tenajon Resources Corp.  
            #860 - 625 Howe Street  
            Vancouver, B.C.  
            V6C 2T6

Work Conducted: July 3 to July 6, 1989

Report By: D. Visagie

August 18, 1989

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**19,254**

RECEIVED  
SEPT. 15/89  
GOVT. AGENT,  
STEWART, BC

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## INTRODUCTION

The Silver Butte gold prospect is situated in the Stewart gold camp occurring between Westmin's Big Missouri and Silbak Premier precious metal deposits in northwestern British Columbia. During the first phase of the 1989 surface drilling a total of 2,827 meters of BQ sized drill core was cored in 15 holes located on the Kansas Crown Grant. Drill hole 89-5 which is 244.8 m long was drilled between July 3 and 6, 1989 and is being submitted for assessment approval.

### 1. Location and Access (Figure 1)

The Silver Butte property is located on the east side of the Salmon River Valley, 17 kilometers northwest of Stewart, B.C. The claims centered at 56° 06'N 130° 02'W occur on map sheet 104BlE.

It is accessible by all weather gravel roads namely the Granduc and Big Missouri access roads. The Granduc road extending northwards from Hyder, Alaska, connects at 30 km with the Big Missouri road which trends easterly across the northern margin of the Winer claim. At approximately 2 km along the Big Missouri road is a south trending 4 wheel drive drill road that provides access to the southern end of the Kansas claim.

### 2. Physiography and Vegetation

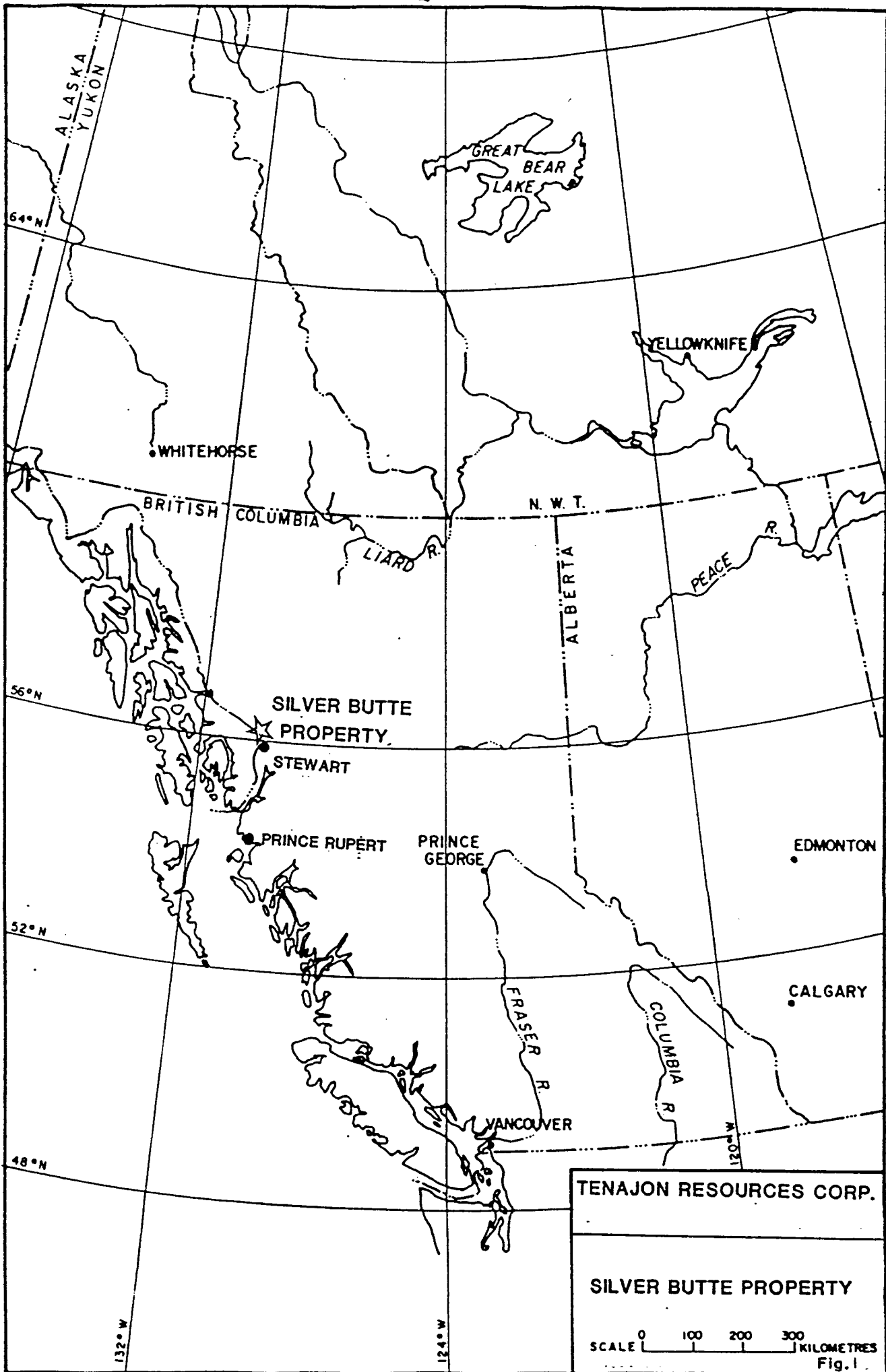
The property occurs on the west side of Big Missouri Ridge extending downwards and encompassing in part the Salmon Glacier in the Salmon River valley. The terrain is steep with an average slope exclusive of the ridge, of between 35 and 45°. The property ranges in elevation from 450 to 1060 m.

Vegetation varies with elevation. Below 800 m thick stands of western and mountain hemlock and blue spruce are common, while above 800 m sub-alpine thickets, heather and alpine meadows are dominant. The tree line ranges in elevation from 1050 to 1200 m.

### 3. Claim Status (Figure 2)

The property consists of three reverted crown grants, 1 crown grant and two mineral claims as listed below.

<u>Name</u>	<u>Claim Type</u>	<u>Units</u>	<u>Record #</u>	<u>Expiry Date</u>
Sarah 1	Mineral	12	785	October 2, 1993
Winer Fraction	Mineral	1	2642	November 12, 1992
Packers Fraction	Reverted Crown Grant	1	14	October 4, 1992
Winer	Reverted Crown Grant	1	437	October 4, 1992
Big Missouri	Reverted Crown Grant	1	438	October 4, 1992
Kansas	Crown Grant	1	L3218	Crown Grant

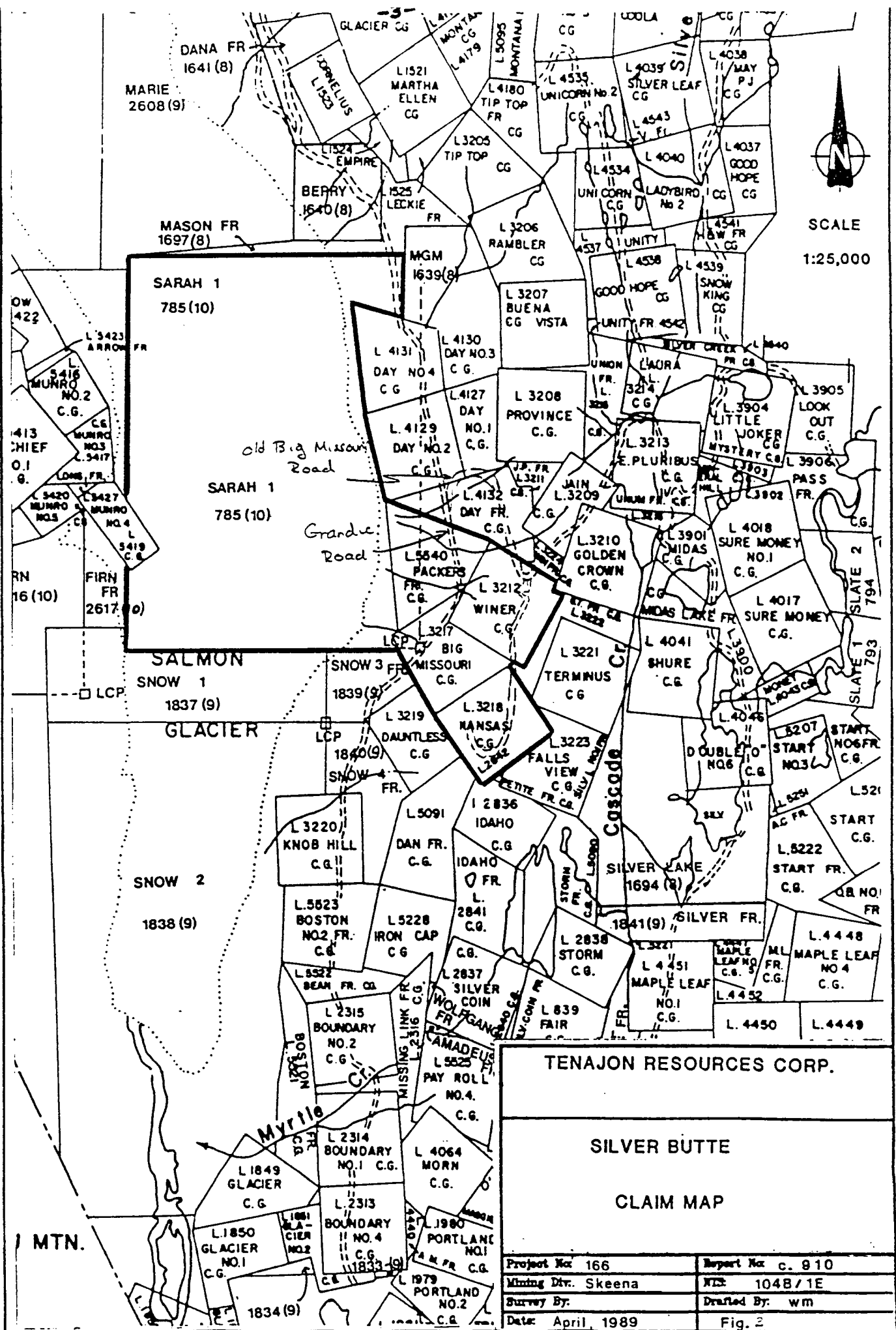


TENAJON RESOURCES CORP.

SILVER BUTTE PROPERTY

SCALE 0 100 200 300 KILOMETRES

Fig. 1



SCALE  
1:25,000

<b>TENAJON RESOURCES CORP.</b>	
<b>SILVER BUTTE CLAIM MAP</b>	
Project No 166	Report No c. 910
Mining Div. Skeena	NIS 1048/1E
Survey By:	Drafted By: wm
Date: April, 1989	Fig. 2

All the claims are presently registered in the name of Tenajon Gold Corp.

#### 4. History

The property was intermittently explored between 1936 and 1980 by various companies. Esso Minerals between 1980 and 1984 completed a program of surface exploration including mapping, prospecting, geophysical and geochemical surveying, trenching and diamond drilling on the property that at the time consisted of the present claims, excluding the Kansas Crown Grant which was not acquired until May 1985.

In 1985 Tenajon Resources Corp. entered into a 50/50 joint venture agreement with Esso Minerals. From 1986 to 1988 Esso and Tenajon completed various exploration programs including drilling, mapping and underground development. In May 1989 Tenajon Gold Corp. acquired Esso's 50% interest in the property and now has a 100% interest in the property.

#### REGIONAL GEOLOGY

The Silver Butte property is underlain by Upper Triassic to Middle Jurassic Hazelton Group rocks. These partially subaerial, differentiated andesitic to dacitic calc-alkaline volcanics, coeval intrusions and interbedded sediments are thought to represent an island arc sequence which extends from south of Stewart near Anyox, northwards for 150 km. In the immediate area of the Silver Butte property Hazelton Group rocks have been complexly deformed as manifested by several episodes of folding and faulting.

#### DRILLING

Between June 17 and July 27, fifteen BQ diamond drill holes totalling 2,827 meters were drilled on the Silver Butte property under contract by F. Boisvenue Drilling Limited, 203 - 960 Quayside Drive, New Westminster, B.C. All core was logged and split on site and is presently stored at Tenajon's warehouse in Stewart, B.C. The assaying of drill core was completed in Stewart by Eco-Tech Laboratories. For reporting purposes the assays are entered in the drill log, however the cost is not included in the cost statement. Drill hole 89-5 is submitted for assessment purposes with its location being plotted on figure 4.

Drill hole 89-5 collared near the western margin of the Kansas Crown Grant, had a bearing of 086 , dip of -37 and a final length of 244.8 m. The hole was located so as to test two mineralized gold bearing silicified zones referred to as West Kansas and Kansas Zones. Hole 89-5 intersected a series of andesitic tuffs, flows and agglomerates that have been variably altered and mineralized.

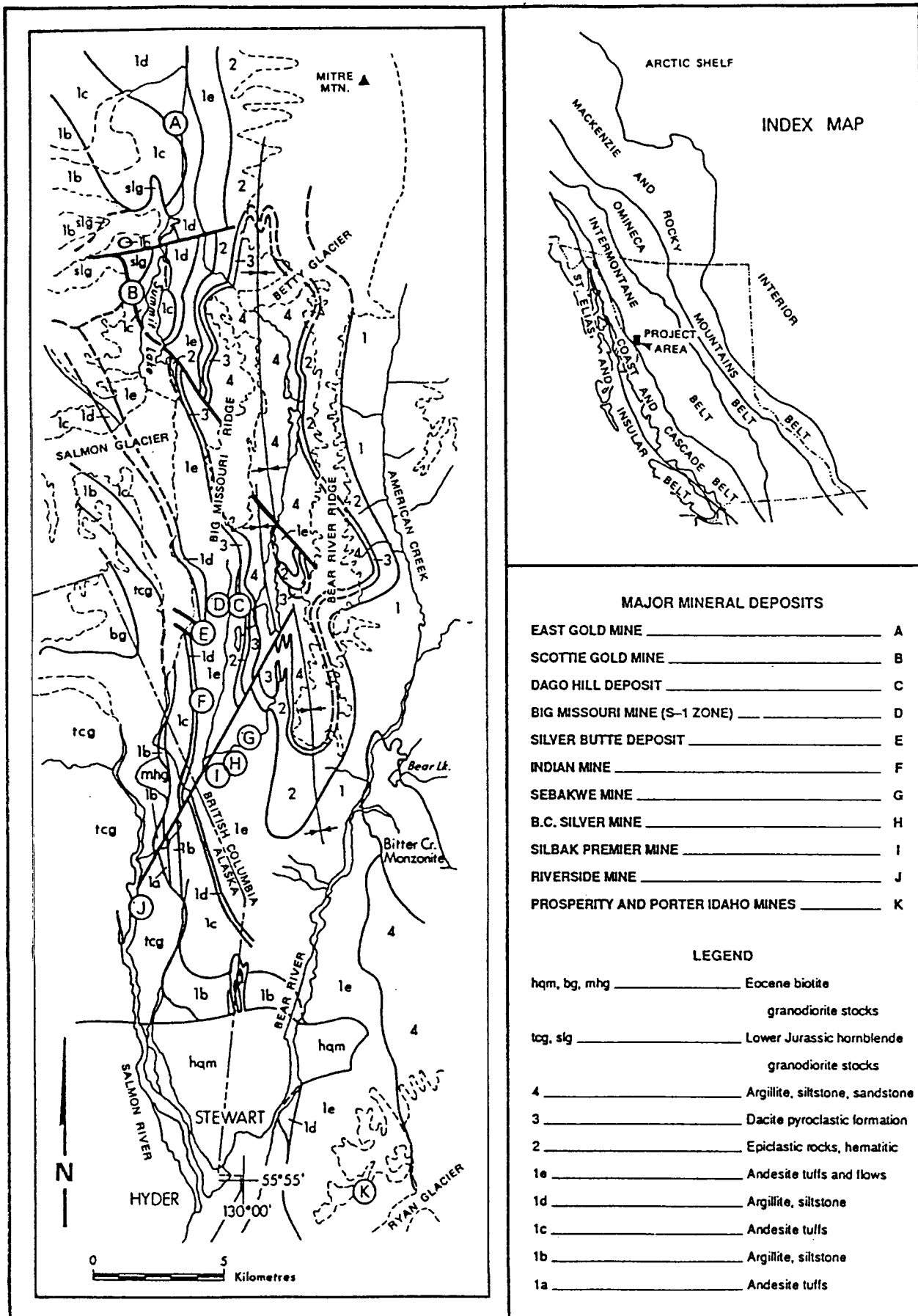
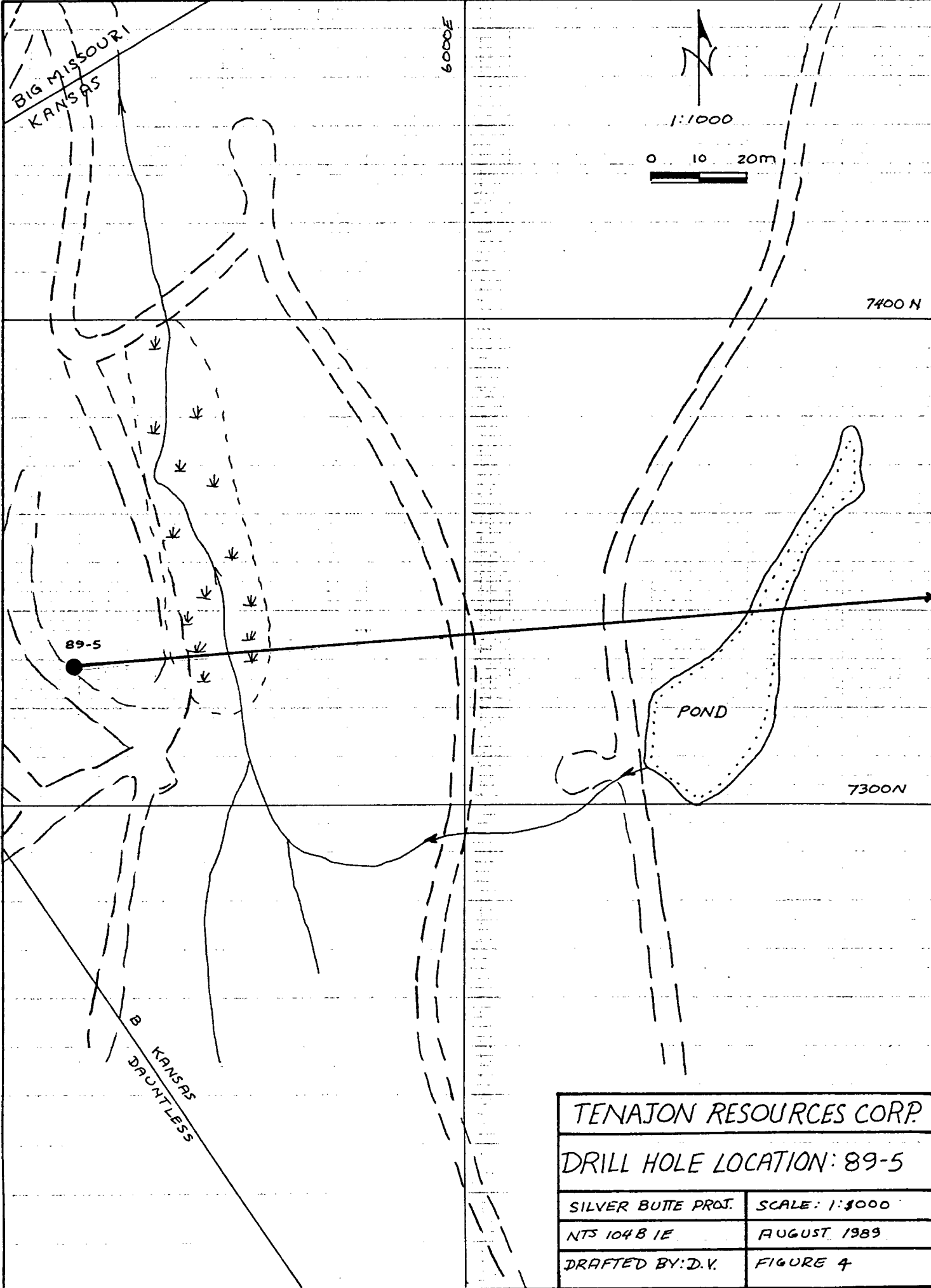


Figure - Geology and mineral deposits of the Stewart area (from Alldrick, 1985).



TENAJON RESOURCES CORP.	
DRILL HOLE LOCATION: 89-5	
SILVER BUTTE PROJ.	SCALE: 1:1000
NTS 1048 1E	AUGUST 1989
DRAFTED BY: D.V.	FIGURE 4



Alteration consists of various combinations and intensities of silica, sericite, chlorite and pyrite while the sulphides consist of <1% disseminated to semi-massive pyrite in combination with <1% disseminated sphalerite, galena and chalcopryrite. Visible gold was located in one spot associated with a strongly silicified quartz vein stockwork.

Two zones of silicification and mineralization were encountered corresponding with the West Kansas and Kansas Zones. In the West Kansas Zone a 2 m section averaged 0.117 opt Au while in the Kansas Zone a 2 m section averaged 0.676 opt Au. In addition to these sections elevated, >0.02 opt Au, values occur throughout the hole.

#### CONCLUSIONS

Two zones of mineralization referred to as the West Kansas and Kansas Zones were encountered in hole 89-5. They are associated with extensive zones of silicification in which <1% disseminated to semi-massive occurrences of pyrite are found associated with trace to 1% disseminated sphalerite, galena and chalcopryrite.


DAV/pb

STATEMENT OF QUALIFICATIONS

I, D.A. Visagie of #860 - 625 Howe Street, Vancouver, B.C., hereby declare:

1. That I graduated from the University of British Columbia with a Bachelor of Science degree majoring in Geology in 1976.
2. That I have been steadily employed in the mining industry since then and have been employed by Tenajon Resources Corp. since March 1989 as the Senior Geologist.
3. That the work undertaken on the Silver Butte property was carried out in my presence and under my supervision.

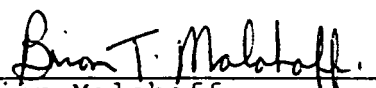
Dated at Vancouver, B.C., August 18, 1989.

  
\_\_\_\_\_  
D.A. Visagie  
Senior Geologist  
TENAJON RESOURCES CORP.

I, Brian Malahoff of #860 - 625 Howe Street, Vancouver, B.C., hereby declare:

1. That I graduated from the University of British Columbia with a Bachelor of Science degree majoring in Geology in 1985.
2. That I have been steadily employed in the mining industry since then and have been employed by Tenajon Resources Corp. since June 1989 as a Geologist and that I logged the drill core.

Dated at Vancouver, B.C., August 18, 1989.

  
\_\_\_\_\_  
Brian Malahoff  
Geologist  
TENAJON RESOURCES CORP.

STATEMENT OF COSTS

A) Drilling Costs

i) 244.8 m x \$79.20 \$19,339.20  
(cost/metre based on 1989 drilling cost;  
includes consumables, stand by drill,  
site preparation).

B) Labour

i) Geologist: B. Malahoff  
\$123/day x 4 days \$892.00  
ii) Core Splitter: C. Scheerschmidt  
\$100/day x 4 days

C) Room and Board

i) Food  
4 days x \$20/day x 2 people \$480.00  
ii) Room  
4 days x \$40/day x 2 people

D) Transportation

i) Truck rental  
4 days x \$30/day \$180.00  
ii) Fuel and Maintenance  
4 days x \$15/day

E) Report Preparation

i) Includes office overhead, xeroxing,  
typing, drafting, etc. \$500.00

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T O T A L \$21,391.20

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Interval (meters) From To	Rock Type	Geologic Description	Alteration		Mineralization						Assay Data						Core Data																
			% Vein	# Veins	Chl.	Cal.	Ser.	Sil.	K-Spat	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	RQD %	Run	Recovery %				
32.0 34.8	Fact	Ande. crystal tuff. Fine grained light pale green. Homogeneous with weak small Qtz. - calc veins at 45° to c.a. Weak mineralization is concentrated in these veins and very small mpx. bx zone. Tr. disse. banded py. disse. ga. Limonite occurs along fracture surfaces at 60° to c.a. Weak chl. alt.	32.0	34.8																										97	163.1	100	
																														93	166.1	"	
																														100	169.2	"	
																														92	172.2	"	
																														89	175.3	"	
																														85	178.3	"	
																														47	181.4	"	
																														93	184.4	"	
																														85	187.5	"	
																														83	190.5	"	
																														60	193.6	"	
																														92	196.6	"	
																														84	199.7	"	
																														82	202.7	"	
																														87	205.8	"	
																														95	208.8	"	
																														100	211.9	"	
																														97	214.9	"	
																														89	218.0	"	
																														82	221.0	"	
																														86	224.0	93	
																														23	225.3	100	
34.8 42.9	Act	Ande. crystal lithic flow tuff (See 147-221.1) mottled gray, distinct foliation at 60° to c.a. Contd with Ande. at	34.8	42.9																											56	227.1	"
																															71	230.2	100
																															41	232.0	95
																															57	235.0	100

Interval (meters)		Rock Type	Geologic Description	Alteration		Mineralization						Assay Data						Core Data																	
From	To			From	To	% Vein	# Veins	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	RQD %	Run	Recovery %			
42.9	44.3	FA:lit	45° to ca. finely banded Py along foliation Andeate Crystal lithic Luff. fine gray, mod green. Homogeneous unit with weak Qtz-carb. veining at 65° to 70° to c.a. Limonite staining on fractures at 55° to c.a. Microphyton is weak consisting of Tr py. disse. (Fractured and veined (ca. 1-2mm))	42.9	44.3																											61	238.1	100	
																																25	240.2	76	
																																0	241.7	67	
																																32	244.8	100	
44.3	47.7	FA:lit	Andeate Crystal Lithic ball flow tuff, fine grained grey with distinct foliation at 55° to c.a. finely banded Py are disse. banded, along this foliation. Py. v's within frags and around frags forming pyritic clasts. Fractures at 50° to c.a. Luell. size frag. - mottled grey white Andeate flow with finely banded py - Tr sp disse. Banded at 65° to c.a. mod small Qtz-carb veining	47.4	48.0						2	2		1				2910	474	480															

Interval (meters)	Rock Type	Geologic Description	Alteration								Mineralization						Assay Data						Core Data								
			From	To	% Vein	# Veins	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	RCD %	Run	Recovery %
		- Mottled Andesite flow Tr. sp. dissem. <1% py. finely bedded. weak Qtz-ent vein	49.4	50.4						2	1	<1	<1			2911	49.4	50.4	1.0	.004	.242										
		- Andesite flow <1% bedded py. weak Qtz-coal veining	50.4	51.7						1	<1					2912	50.4	51.7	1.3	.003	.096										
		- mottled Andesite Lithic flow with pyritic clast weibchl. alt. Mud. Qtz veining at 30° to c.a.	53.7	54.3		1				2	2					2913	53.7	54.3	0.6	.002	.181										
		- Same as above Tr. dissem sp. Fractures at 65° to c.a.	55.2	57.2						2	2		<1			2914	55.2	57.2	2.0	.005	.065										
		- Same as above	57.2	59.2						2	2					2915	57.2	59.2	2.0	.001	.047										
		- Same as above coarse grained Tr. dissem sp	59.2	61.2						2	2		<1			2916	59.2	61.2	2.0	.003	.055										
		- Same as above	61.2	63.2						2	2					2917	61.2	63.2	2.0	.001	.064										
		- Same as above Tr. dissem sp Fractures at 65° to c.a. Lenses in some fracture surfaces. Drillers lost circulation at 73.2m dry hole to 86.9m	63.2	65.2						1	1		<1			2918	63.2	65.2	2.0	.001	.029										
74.7	75.5	ARGILLITE Lithic Tuff fine grained black. Highly friable. Contact with andesite at 70° to c.a. Finely dissem. py.	74.7	75.5																											



Interval (meters)		Rock Type	Geologic Description	Alteration							Mineralization					Assay Data						Core Data											
From	To			From	To	% Vein	# Veins	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	RQD %	Run	Recovery %	
75.5	80.2	FAKALE	ARGILLITE - ANDESITE LAPILLI TUFF - argillite to subrounded frag. Increase in sil. Increase in mineralization. Mottled black, white, green. Fractures at 55° to c.a. Increase in Qtz - carb structures. Vein offsets and crosscuts common. - Lapilli tuff with tr. banded pl. Banding at 80° to c.a. Fractures at 50° to c.a. Highly fractured between (74.6 -> 74.9) gougy incompetent Fault	75.5	80.2																												
			- Same as above	76.5	76.5				2			1						2919	75.5	76.5	10	.004	.10										
			- Mod - strong sil lapilli tuff weak chl. alt. Qtz - carb structure 1% banded and dissen py Tr dissen. sp, ga	77.5	78.5		1		3			1		1	1			2920	77.5	78.5	10	.057	.36										
			- Strong sil. 2% dissen. and banded py. Massive py and gast. 79.4 Banded dissen on Tr. sp. cp. Qtz carb structures. Fractures at 45° to c.a.	78.5	79.5		1		3			2	1	5	1			2922	78.5	79.5	10	.104	.69	.104									

Screened

Interval (meters)	Rock Type	Geologic Description	Alteration		Mineralization							Assay Data							Core Data											
			From	To	% Vein # Veins	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check %	Cu %	Pb %	Zn %	RQD %	Run	Recovery %
		Grb. - Qtz vein between (79.5 → 79.9) 1% disseminated barbed py, S disse ga, Tr. sp, cp. Fracture at 40° to ca.	79.5	80.2					2		1	2.1	.5	2.1		2923	79.5	80.1	.6	.025	1.10									
80.2	81.4	MAfic Andesite Cr. Litic tuff Medium grained dark green. Mod. mineralized 4% disseminated barbed py. Fractures at 60° to ca. Weak to mod. Qtz-emb. vein at 15° to ca. and small emb. veins at 55° to ca. - Mod. Qtz-emb. vein, disseminated py (large emb. crystals) Tr. sp, ga.	80.2	81.4							1		2.1	2.1		2924	80.2	81.4	1.2	.041	.0									
81.4	82.0	APFALIC ARGILLITE - ANDESITE LAPILLI TUFF same as (75.5 → 80.2) Minor Qtz emb vein bx.	81.4	82.0																										
		- Qtz-emb. vein. Barbed disseminated 1% py Tr. sp, ga. Weak ch. alt. Barbed at 50° to ca.	81.4	82.0		1			2		1		2.1	2.1		2925	81.4	82.0	.6	.102	.53									
82.0	82.7	MAfic Andesite Cr. Litic tuff same as (80.2-81.4)	82.0	82.7																										

Interval (meters)		Rock Type	Geologic Description	Alteration							Mineralization					Assay Data						Core Data									
From	To			From	To	% Vein	# Veins	Chi.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	RQD %	Run
			- Mod Qtz-amb stockwork. Burled disse. py. Tr. SA, ga. Burled at 55° to c.a. mod. chl. alt. Min. van bx.	87.0	84.2	2	2			2		1		2.1	2.1			2926	87.0	84.2	2.2	0.15	.12								
84.2	85.1	Acilit FABIE	Mixed Andesite Crystal lithic tuff and Argillite lapilli tuff. Green black coarse grained andesite. Fractures at 65° to c.a. weak disse. py. mod. chl. alt. weak chyal.	84.2	85.1																										
85.1	88.5	CAclite	Andesite Crystal Feld porph. lithic lapilli tuff, coarse grained light to dark green. Frags are Crystalline porph in a fine grained matrix. Fractures at 60°-70° to c.a. weak Qtz-amb varying at 45° to c.a. Weak murchisonite. Tr. disse. py. Min. argillite layers. Highly fractured between (97.2 → 97.9) gougy, incompetent fault zone at 35° and 70° to c.a.	85.1	88.5																										

Interval (meters)		Rock Type	Geologic Description			Alteration							Mineralization						Assay Data						Core Data									
From	To			From	To	% Vein	# Veins	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check %	Cu %	Pb %	Zn %	RQD %	Run	Recovery %		
88.5	88.9	CAillite FARIT	Mixed Andeate Crystal field porph lithic tuff and Argillite lapilli tuff. Same as (84.2-85.1)	88.5	88.9																													
88.9	120.5	CAillite	Andeate Crystal field porph lithic lapilli tuff same as (85.1-88.5) med-to coarse grained	88.9	120.5																													
120.5	123.8	CAillite FARIT	Mixed Andeate Crystal field porph lithic lapilli tuff and Argillite lapilli tuff Same as (88.5-88.9) Fractures at 40° to c.a. weak dissen. py	120.5	123.8																													
123.8	130.8	MAillite	Andeate Crystal field porph lithic lapilli tuff med-to coarse grained. Frag or coarse grained in a fine crystal matrix. Same as (85.1-88.5) Tr dissen py and py stringer in small Qtz-emb. veins. Fractures at 30° to c.a.	123.8	130.8																													
130.8	150.6	CAillite	Andeate Crystal field porph lithic tuff coarse grained, dark green. Fractures at 35° to c.a. weak dissen. py. Hornblende and Feldspar crystals. Anom. Pyrox.	130.8	150.6																													

Interval (meters)		Rock Type	Geologic Description			Alteration										Mineralization						Assay Data						Core Data				
From	To			From	To	% Vein #	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check %	Cu %	Pb %	Zn %	RQD %	Run	Recovery %	
150.6	153.4	CAclite FARKIT	Mixed Andesite Crystal Feldspar porph. lithic tuff ARGILLITE lithic tuff medium to coarse grained andesite and fine grained argillite. Weak dissen py, Gradatinal contact. Fractures at 65° to c.a. Weak Qtz- and veins at 45° to c.a. weak chl. alt.	150.6	153.4																											
153.4	162.7	CAcltp	Andesite Crystal Feld porph tuff medium to coarse grained light pink to dark green. Increase in small Qtz- and veins. Tr disse and grad. py. weak chl. alt. Fractures at 40 and 60° to c.a. Veins at 45° to c.a. Homogeneous and with weak sulphides concentrated with small Qtz- and veins Vein offsets and crosscuts common.	153.4	162.7																											

Interval (meters)		Rock Type	Geologic Description			Alteration						Mineralization					Assay Data					Core Data											
From	To			From	To	% Vein #	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check %	Cu %	Pb %	Zn %	ROD %	Run	Recovery %		
162.7	185.6	GMA Alt	Andesite Crystal lapilli tuff medium grained pale green to dark green. Few agglomerate size frag. Weak Qtz-carb. veins at 50° and 60° to c.a. Weak chl. alt. Weak dissem. sulfidated py. Fractures between 55° and 70° to c.a. Vein offsets and crosscuts common.	162.7	185.6																												
			- small increase in Qtz-carb veins at 20° and 70° to c.a. Mod. chl. alt.	173.3	174.3	2				1	<1						2927	173.3	174.3	10	.001												
			- mod. increase in small Qtz carb and Qtz stockwork. Vein offsets and crosscuts common.	174.3	175.3	2				1	<1						2928	174.3	175.3	10	.001												
			- homogeneous lapilli tuff with <del>weak</del> Qtz-carb veining. Tr. py. Chl. on fracture surfaces.	175.3	176.3	2				1	<1							2929	175.3	176.3	10	.002											
			- Weak Qtz-carb veining with Tr. py. and sp. dissem. in sil. Qtz carb. veins at 55° to c.a.	176.3	177.3	2				1	<1		<1					2930	176.3	177.3	10	.035											

Interval (meters)		Rock Type	Geologic Description	Alteration		Mineralization						Assay Data						Core Data													
From	To			From	To	% Vein #	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	ROD %	Run	Recovery %
			- same as above large displacement in small Qtz vein of fctos. (15mm displacement)	177.3	178.3	1	2			1	1						2931	177.3	178.3	1.0	.012	.05									
			- Mod. increase in Qtz-emb. and Qtz <sup>with stockwork</sup> veins. Minor increase in microcline. Vein at 55° to c.a.	178.3	178.9	2					1	1	1				2932	178.3	178.9	.6	.015	.12									
			- Strong increase in microcline and mod. Qtz + Qtz-emb, emb stockwork vein. Semi massive py. blebs at (180.0). Minor vein Bx. Strong chl. alt. Fractures at 70° to c.a.	178.9	180.1	1	3			2	3		1	1			2933	178.9	180.1	1.2	.033	.39									
			- Semi massive py between (180.8 → 181.2) in a Qtz-emb vein at 60° to c.a. Tr sp, ga disse. Increase in Qtz, Qtz emb. in stockwork.	180.1	181.8	10	3			2	5		1	1			2934	180.1	181.8	1.7	.628	1.02									
			- Mod → strong vein stockwork and bx. Tr disse py, sp. Fractures at 65° to c.a. Strong chl. alt. Vein at 35° and 45° to c.a.	181.8	182.6		3			2	1			1			2935	181.8	182.6	.8	.026	.08									

Interval (meters)		Rock Type	Geologic Description	Alteration							Mineralization					Assay Data						Core Data									
From	To			From	To	% Vein	# Veins	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	RQD %	Run
			<u>Stockwork bx zone</u> Strongly sil Qtz vein zone and stockwork bx zone. Tr. VG found in sil Qtz vein with a bx zone. Minor band py at 80° to c.a. Py disseminated in stringers. Tr. sp. ga Fractures at 60° to c.a. Strong chl. alt.	182.6	183.6	20	3			3		2.1			2.1	VG	2436	182.6	183.6	1.0	.257	.27									
			— same as above with increased mineralization. Strong chl. alt. Biotite dissem. sp. ga. cp. Assen and banded py. Bx zone at 60° to c.a.	183.6	184.6	20	3			3		2	2.1	.5	.5			2437	183.6	184.6	1.0	.104	.12								
			— same as above	184.6	185.6	15	3			3		2.1	.1	.1				2438	184.6	185.6	1.0	.052	.11	.351							
185.6	20.7	ACT	<u>Andesite Crystal tuff</u> <sup>red to</sup> <sup>orange ground</sup> — <u>orange andesite crystal</u> tuff with Tr. py, sp. ga and Qtz, Qtz and stockwork	185.6	20.7							2.1	2.1	2.1				2439	185.6	186.6	1.0	.026	.07								
			— Qtz-min and stockwork and vein bx. Vein at 20° to c.a. Strongly sil Qtz stockwork	186.6	187.6	20	2			3		2.1	2.1	2.1				2440	186.6	187.6	1.0	.026	.08								
			— Strong Qtz-min and stockwork veining. Vein offsets common Oxy. sp. lining Qtz vein edges	187.6	188.6	4	2			3		2.1	2.1	.5				2441	187.6	188.6	1.0	.055	.08								

\* Screened



Interval (meters)		Rock Type	Geologic Description	Alteration								Mineralization					Assay Data							Core Data								
From	To			From	To	% Vein	# Veins	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	RQD %	Run	Recovery %
			Strongly sil Qtz vein stockwork mat cont with vein bx. Strong chl alt 2% braked dissen py at 45° to ca. Tr. dissen, blebs SP, ga Strong chl alt along vein edges. VG found in 2 places. ① in sil Qtz stockwork veining ② associated with finely dissen. py in a vein bx zone with a sil Qtz ven. Contact of zone with <del>longer zone</del> <sup>and</sup> <del>cracks</del> is at 45° to c.a. Fractures at 45° to ca. Van offsets common - weak Qtz and Qtz cont. stockwork veining. <sup>py</sup> <del>veining</del> at 45° to c.a. Tr. Dissem and braked sp along vein edges Tr. py, ga Highly Fractured between (190.6 → 191.1) Fault zone fairly competent at 60° to c.a.	188.6	189.6	5	3				3		2		2.1	2.5		VG	2942	188.6	189.6	1.0	.045	.04	.045							
			- weak Qtz and Qtz cont. stockwork veining. <sup>py</sup> <del>veining</del> at 45° to c.a. Tr. Dissem and braked sp along vein edges Tr. py, ga Highly Fractured between (190.6 → 191.1) Fault zone fairly competent at 60° to c.a.	189.6	190.6					1		2.1		2.1				2943	189.6	190.6	1.0	.008	.038									

\*CHECK  
REFERENCES.

Interval (meters) From To	Rock Type	Geologic Description	Alteration								Mineralization					Assay Data						Core Data								
			From To	% Vein	# Veins	Chl.	Cal.	Ser.	Sil.	K-Spar	% Py	% Cp	% Ga	% Sp	Ag	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	RQD %	Run	Recovery %
		- Weak Qtz - carb., Qtz streaked veining. Fractures at 45° to c.a. Tr. disse. py	190.6	191.6	1						1					2944	190.6	191.6	1.0	.12	.12									
		- mod. Qtz, Qtz - carb. streaked veining. Veins at 40° to c.a. Fractures at 45° to c.a. Tr. disse. p, sp, ga Sp. occurs along vein edges Vein crosscuts and offsets common. Carb. vein crosscutting Qtz veins. weak chl. alt	191.6	192.6	2	1					1					2945	191.6	192.6	1.0	.035	.09									
		- Weak Qtz and Qtz - carb veining. Tr. p, sp, ga - some ca above	192.6	193.8		1					1					2946	192.6	193.8	1.2	.007	.04									
		- Weak to mod. Qtz - carb carb, Qtz veining. minor vein bx. Possible VG? speck in small sil Qtz - carb vein at 195.6 oriented at 35° to c.a. Weak mineralization Tr. p, sp, ga	193.8	195.5							1					2947	193.8	195.5	1.7	.004	.01									
		- Weak to mod. Qtz - carb carb, Qtz veining. minor vein bx. Possible VG? speck in small sil Qtz - carb vein at 195.6 oriented at 35° to c.a. Weak mineralization Tr. p, sp, ga	195.5	196.6							1				VG?	2948	195.5	196.6	1.1	.047	.03	.034								
		- Increased Qtz - carb, Qtz, carb vein streaked and bx. Possible small speck VG? at 197.5 in small chl. alt Qtz vein	196.6	197.6		2					2				VG?	2949	196.6	197.6	1.0	.124	.03	.124								

\* screened

Interval (meters)		Rock Type	Geologic Description	Alteration						Mineralization					Assay Data						Core Data											
From	To			From	To	% Vein	# Veins	Chl.	Cal.	Ser.	Ill.	K-Spar	% Py	% Cp	% Ga	% Sp	Agt	El	Sample No.	From	To	Int	Au opt	Ag opt	Au check	Ag check	Cu %	Pb %	Zn %	RQD %	Run	Recovery %
			Weak Qtz, calc and Qtz-calc veining at 60° to C.A. Tr. Py, sp, ga	1976	1986							1.1		1.1	1.1			2950	1976	1986	1.0	0.1	0.14									
			Med. Qtz vein non-calc stockwork and minor bx Banded and disse-11% py at 40° to C.A. Tr. disse ga .5% disse. blebs. Weak chl. alt.	2031	2036					2		1.1		1.5				2951	2031	2036	0.6	0.29	0.09									
			Homogeneous Andesite with Qtz- calc vein between (2075-2076) Banded py follows vein edges at 30° to C.A. Fractures at 60° to C.A.	2074	2079							1.1						2952	2074	2079	0.5	0.01	0.07									
			Weak to med. Qtz-calc Stockwork over Qtz Tr. Py sp, ga	2088	2108							1.1		1.1	1.1			2953	2088	2108	2.0	0.08	0.06									
			Med. Qtz stockwork minor calc veining. Trace sp, ga, py Fractures at 50° to C.A.	2108	2173					1		1		.5	.5			2954	2108	2173	1.5	0.07										
2207	2244	Fractile	Mixed ANDSILLITE ANDESITE CRYSTAL Lapilli tuff - angular to subangular frag. Some agglomerate size frag. weak chl. alt., weak microphyta Tr. disse py Fractures at 30° to C.A.	2207	2244																											

