

P R O S P E C T I N G 1 9 7 9

LEADING TO PURCHASE OF:

GOLDEN HOPE - Record #779
BLACK BEAR - Record #780
LITTLE JOE
MOLLY FRACTION - Record #781
MOLLY - Record #782

SLOCUM - KASLO MINING DIVISION

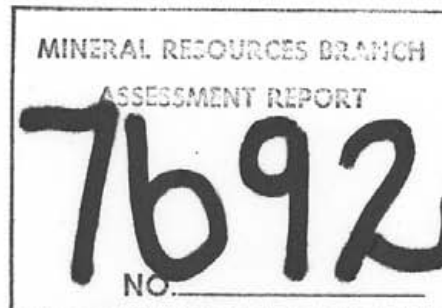
MAP #		LATITUDE:	LONGITUDE:
R# 779		56° 58'	117° 42'
R# 780	49	56° 58'	117° 41'
R# 781		56° 59'	117° 44'
	e		
	782		

OWNERS: Arnold and Elaine Gustafson
R. R. #1, Nakusp
VOG 1R0

265-4386

AUTHOR OF REPORT: Elaine E. Gustafson

August 2, 1979.



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INTRODUCTION:Reason for going into this particular area:

1. We have been trying to theorize the source of placer gold found in Caribou & Mineral Creeks.
2. We have picked up some "interesting" float showing evidence of silver, zinc, tungsten, respectively.
3. We have theorized about the many small mines "pinching out" in this general area of the Arrow Lakes region.
4. The foregoing has lead us to trace down local tales or legends of rich float, ore samples, etc. In pursuing the foregoing we have met and talked with a number of old miners and prospectors. Ensuing discussions brought to light the fact that ore samples used to be sent to Britain or to Spokane for analysis, and were ONLY assayed for silver, zinc and gold.
5. We were aware that there was a "search" on last summer for tungsten (information from George Addie, P. Eng, P. Geol.)

CONCLUSION:

With our twenty year rock-hound knowledge added to our recently acquired formal knowledge garnered by taking Geo. Addie's advanced prospectors course and by attending a one week field geology course in Kelowna at Okanagan College, and combining this with our observations made while on horse back trips in the mountains of this area, we set out to prove some of our theorizing

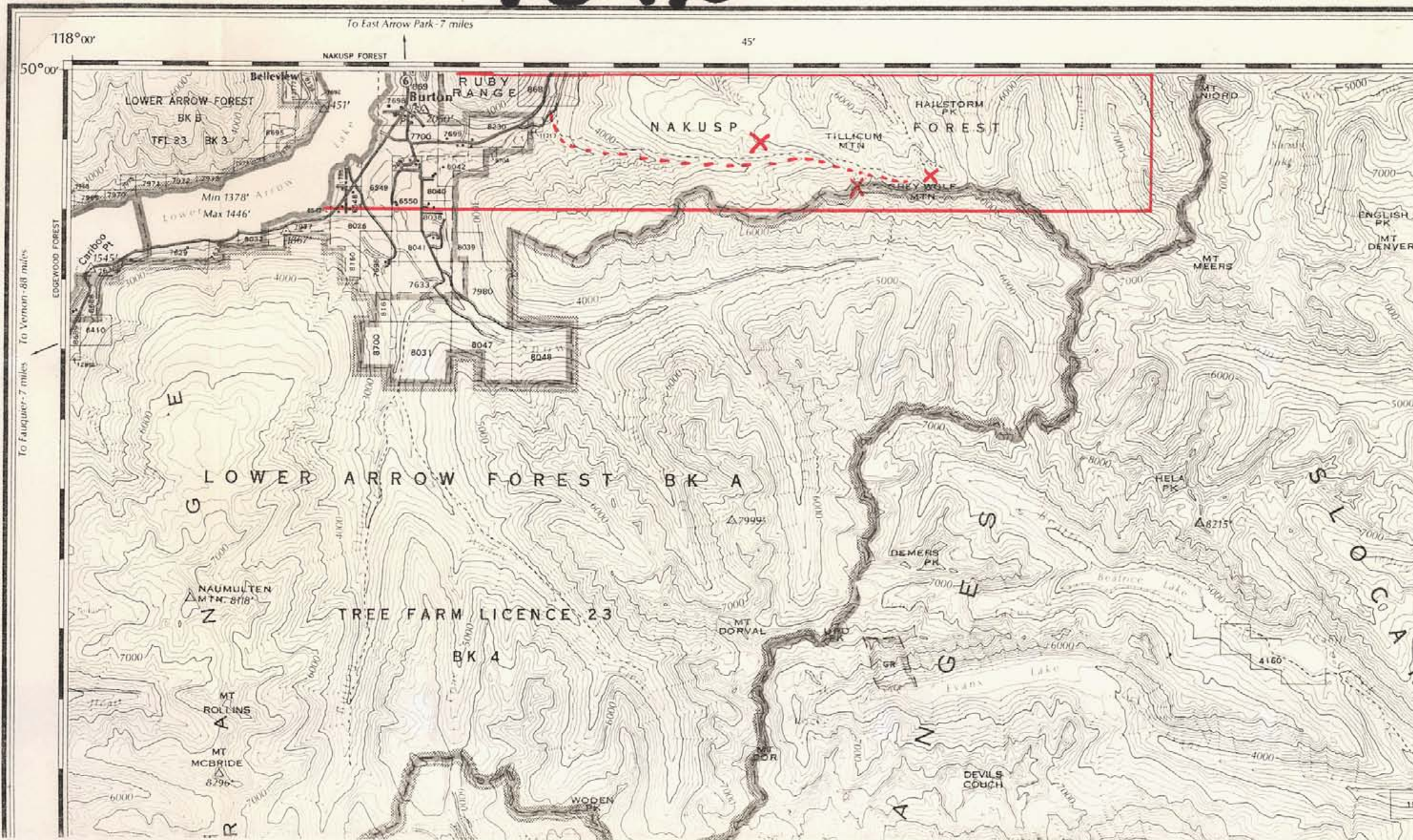
RESULT:

Purchase of four Crown Grant Claims.

From where we set up base camp there is about a one hour ride to our claims. Several days we werelimited in our prospecting because of the number of horse flies (driving the horses wild). Without the horses we cannot cover as much territory, and we cannot get our equipment into this steep mountain terrain, along with enough food for a trip of this duration.

Days were spent taking water samples, ore samples. Samples taken were examined by eye glass, magnet and scratch test on site. Evenings were spent determining specific gravity and using the mineral light.

7692



1a.

TECHNICAL DATA:

We do not have any technical data yet.

Last summer (when the weather permitted) we spent collecting rock samples and water samples. All our samples are numbered and identified as to the area they came from.

We purchased some prospecting equipment to assist our search in the field i.e. mineral light, geiger counter, heavy water sampling kit, etc.

The mineral light confirmed our possible find of tungsten. Two weeks ago we showed some of our tungsten ore samples to a representative of a mining company. He has confirmed that we do have tungsten, and has assured us of funding for further exploration work.

We are going to Vancouver this week (August 2) and will take ore samples down for Spectrographic analysis to Can Test. We will forward copies of these tests to you.

Because of our coal find last year, and our work involved in that, we neglected to send our ore samples away earlier for analysis.

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INTERPRETATION:

General geographic description.

The area we prospected is at the headwaters of Goat Canyon Creek, between Caribou Creek and Snow Creek in an area called The Tillicum. Tillicum Mountain is about seven miles east of Burton (on the Arrow Lakes).

Access to the Tillicum area was by horse on an old trail which had to be cut out because of windfalls. Because of some erosion some parts of the trail had to be relocated, however the trail is still generally in the same place.

Base camp was established at the headwaters of Goat Canyon Creek. Access to the claims was by horse and by foot over ridges and along old trails.

The claims which we purchased and now own had reverted to the Crown.

INTERPRETATION:

Ore samples out of the Black Bear had a Specific Gravity of 7.2, curved plates, brown staining and produced a brown streak on a scratch plate. Under the mineral light they show a brilliant light blue color.

All ore samples taken in the area of all our claims produced similar results. We feel we have a good tungsten or Wolframite deposit.

We have a lot more work to do up in this area. The slopes are very steep. We plan on more work in there this summer.

We focused our attention on old abandoned digs - and picked up those claims that showed promise.

Mr. Dave Pearce of Nelson has confirmed our find and has assured us of funding for further exploration this year.

We spent ten days in this area last year.

Day 1: Re-cut trail (3 men), take water samples.

Day 2: Pack in, set up camp.

Day 3: Travel to Black Bear - get ore samples.

Day 4: Travel to Tillicum mine, get ore samples. Horse flies BAD.

Day 5: Examine ridge to _____ to trace down float found below.

Day 6: Same as Day 5.

Day 7: Travel to Golden Hope, get ore samples, horse flies VERY BAD.

Day 8: Travel to Black Bear, get more ore samples, study slopes, look for further outcroppings.

Day 9: Travel to Molly, get ore samples.

Day 10: Travel out. Horse flies just about drive horses wild.

ITEMIZED COST:

Ten days at \$60.00/day - A. Gustafson.....	\$600.00
Ten days at \$40.00/day - E. Gustafson.....	400.00
Ten days - two helpers food and keep only @ \$5.90.....	118.00
Norman Williams, Civil Engineer graduate	
Douglas Dean, Physics Engineer graduate	
Both engineers with some geology experience	
Six horses @ \$10/day for ten days.....	600.00
Supplementary feed for horses.....	16.00
Food for A. Gustafson and E. Gustafson.....	118.00
Trucking and trailering to access point - in and out -	200.00
20 water samples @ \$3.00/sample.....	60.00
Cost of preparing report.....	30.00
Phone calls re equipment, mining representatives.....	25.00
Trip to Kaslo to purchase claims (time and gas, meals).....	70.00
Trip to Nelson to show ore to mining representative	106.00
100 miles @ 23¢/mile 46.00 (two ways)	
Man time 50.00	
Meals 10.00	
Advanced prospectors course - for both of us.....	50.00
(Given by George Addie, P. Eng., P. Geol.)	
One week field geology trip - Okanagan College for both of us....	66.00
Board and room for course for two.....	150.00
<u>Equipment purchased to go prospecting:</u>	
Surveying belt and cord '.....	
Geiger Counter '.....	416.59
Fluorescent mineral light '.....	
Four miners glasses.....	40.00
Packs for horses (2 x 80.00).....	160.00
Tarp for packing.....	50.00
Trailer hitch.....	15.07
Specially built horse trailer - special welding and heavy steel for navigating abandoned, eroded logging roads, carries six horses.....	800.00
Spot tests.....	34.69
Heavy metals kit.....	125.00
Two gold pans.....	14.00
Claims.....	100.00
Tags.....	8.00
Maps.....	6.00
Two back packs, 2 light weight sleeping bags.....	121.05
Light weight power saw (cutting trails).....	152.20
Two prospecting hammers.....	50.00
TOTAL COST	\$4,701.16

FOOD SUPPLIES:

Three dozen eggs.....	\$ 3.00
Four steaks.....	16.00
Two pounds ground meat.....	4.00
Vegetables.....	6.00
Bannock mix.....	12.00
Ten pounds bacon.....	25.00
Two pounds coffee.....	8.00
Tea.....	3.00
Canned goods.....	30.00
Chocolate, cheese.....	10.00
Dried fruit.....	20.00
Dried dinners.....	30.00
Pancake Mix.....	6.00
Granola.....	15.00
Gorp (nuts, chocolate, etc. mix).....	12.00
Miscellaneous (spices, sugar, dried milk)....	12.00
Animal insect repellent.....	12.00
Human insect repellent.....	5.00
Vitamins (B and C).....	6.00
Band aids, etc.....	5.00
Aspirin.....	<u>2.00</u>
 TOTAL COST	 <u>\$236.00</u>

\$236.00 divided by 4 people divided by 10 days = \$5.90/person/day.

To Whom It May Concern:

Arnold and Elaine Gustafson took the Advanced Prospectors course given by George G. Addie, P. Eng., P. Geol., District Geologist, Nelson, B. C.

The course was given at the Chamber of Mines in Nelson, B. C. and commenced January 26th and ran until March 30th.

Taking the course entailed travelling from Nakusp one night a week to Nelson, a distance of 100 miles, with return making it 200 miles.

If we can recall correctly (Mr. George Addie can confirm), we received marks of:

A. Gustafson, 86

E. Gustafson, 94

Since taking the course mentioned above, we have done a LOT of reading of geology books, and have taken a one week field course with the Okanagan College.



8.

January 11th, 1979.

Mr & Mrs A. Gustafson,
R.R. #1
Nelson, B.C.
VOG 1R0

Dear Mr & Mrs Gustafson,

You are on my list of successful prospectors, i.e. you created economic activity equal to, or greater than your grants. Congratulations! Your diaries were sent in today.

Do you have any "right-handed" quartz crystals? I paid \$10.00 for a "left-handed" one in Spokane.

By the way, while I was there, I told Larry Turner of Texasgulf about your coal. He may get in contact with you.

Sorry to hear of the flu epidemic at your place.....we only had mumps to deal with over the holidays!

And thank you for your beautiful card.

Next time you're here I want to show you a piece of B.C. "Kimberlite". I'm sure you will have seen some of it in the Lardeau!

Yours truly,

G. Addie
G. Addie, P. Eng., P. Geol.,
District Geologist.

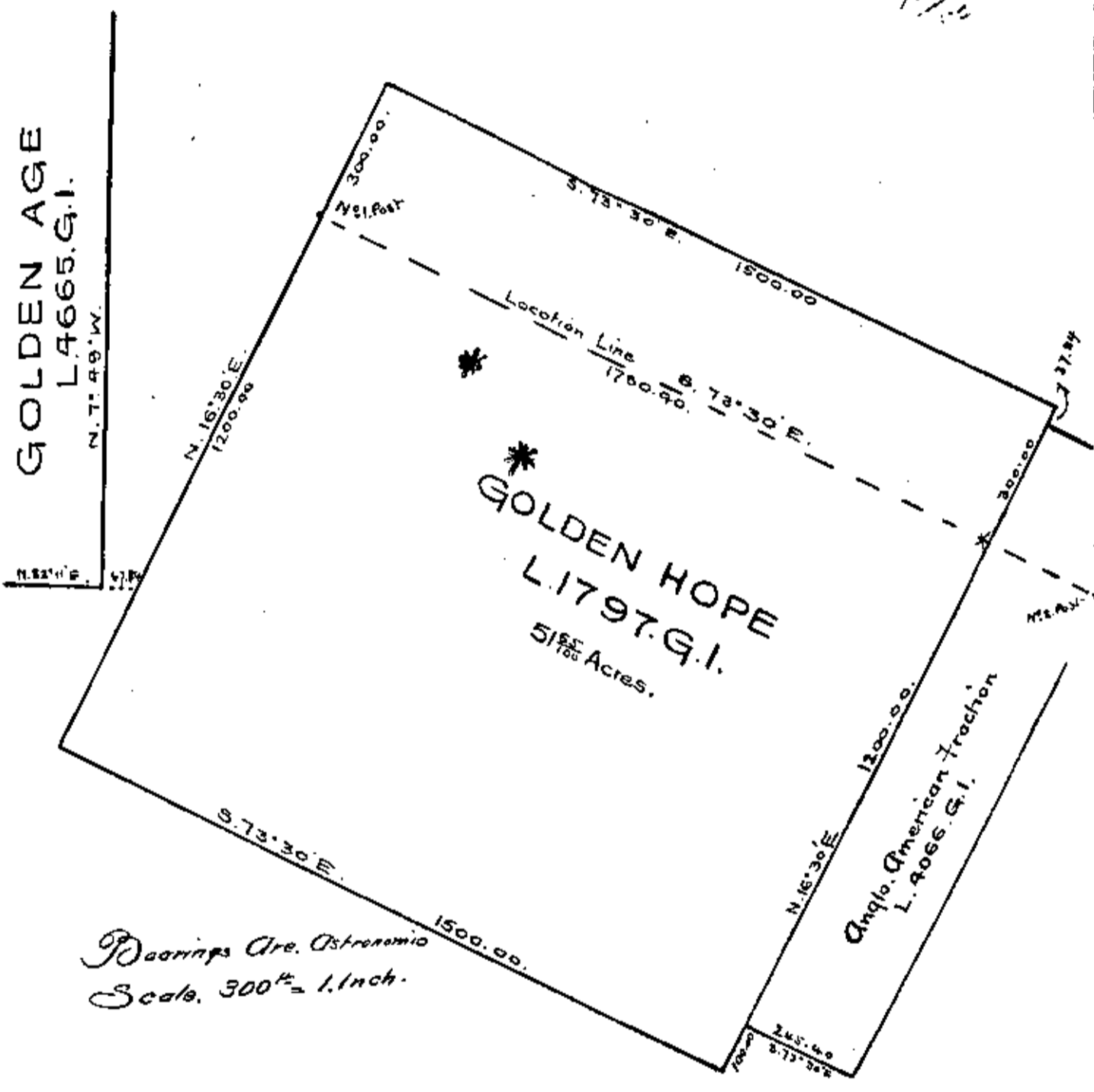
GA/elg

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Okanagan College REGISTRATION CARD for COMMUNITY EDUCATION SERVICES Centre 01 55238

MISS <input type="checkbox"/> MRS. <input checked="" type="checkbox"/> MR. <input checked="" type="checkbox"/>	GUSTAFSON Last Name	ELAINE ARNOLD Given Name	WINTER <input checked="" type="checkbox"/> FALL <input type="checkbox"/> 19 78 Semester	Bus. Phone 265-4386 Home Phone
PERMANENT MAILING ADDRESS	R.R.#1 Street	NAKUSP, BC. City	VOG 1R0 Province/Postal Code	
COURSE NAME	<i>Handgun Field Trip</i>			
COURSE NUMBER	<i>10</i>			
STUDENT'S SIGNATURE	<i>Elaine A. Gustafson</i>			
Fee is payable at the time of registration. The fee set for the course includes a NON REFUNDABLE \$3.00 REGISTRATION FEE. Requests for refunds must be accompanied by this receipt. No refunds after the second scheduled meeting of the class.				
REMARKS:	FOR COLLEGE USE ONLY General <input type="checkbox"/> Tuition Fee 66.00 Non Credit <input type="checkbox"/> Book 48.00 (specify under remarks) MAKE CHEQUES PAYABLE TO OKANAGAN COLLEGE Amount Paid \$ 66.00 Cash <input type="checkbox"/> Cheque <input checked="" type="checkbox"/> 78-07-11 Course Commencement Date Registration Date 1/11/79 Payment Rec'd By <i>[Signature]</i>			

MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
7692
 NO.

76/92



*Bearings are Astronomic
 Scale 300' = 1. inch.*

* ORE SAMPLES

Diagram
as

Silver Queen Group

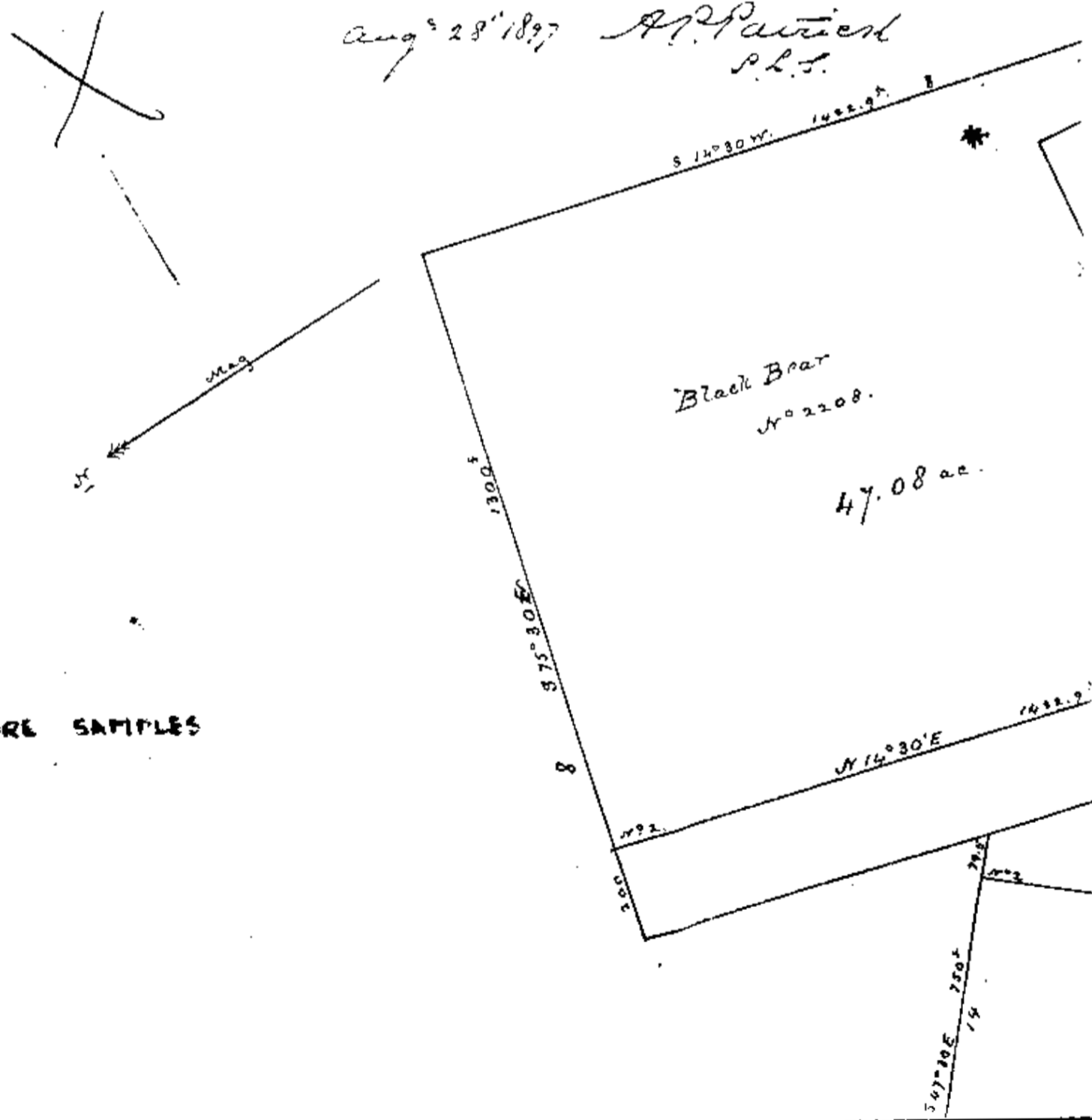
situated on north side of Snow Creek about 10 mi

Arrow Lake Division
West Kootenay

B.C.

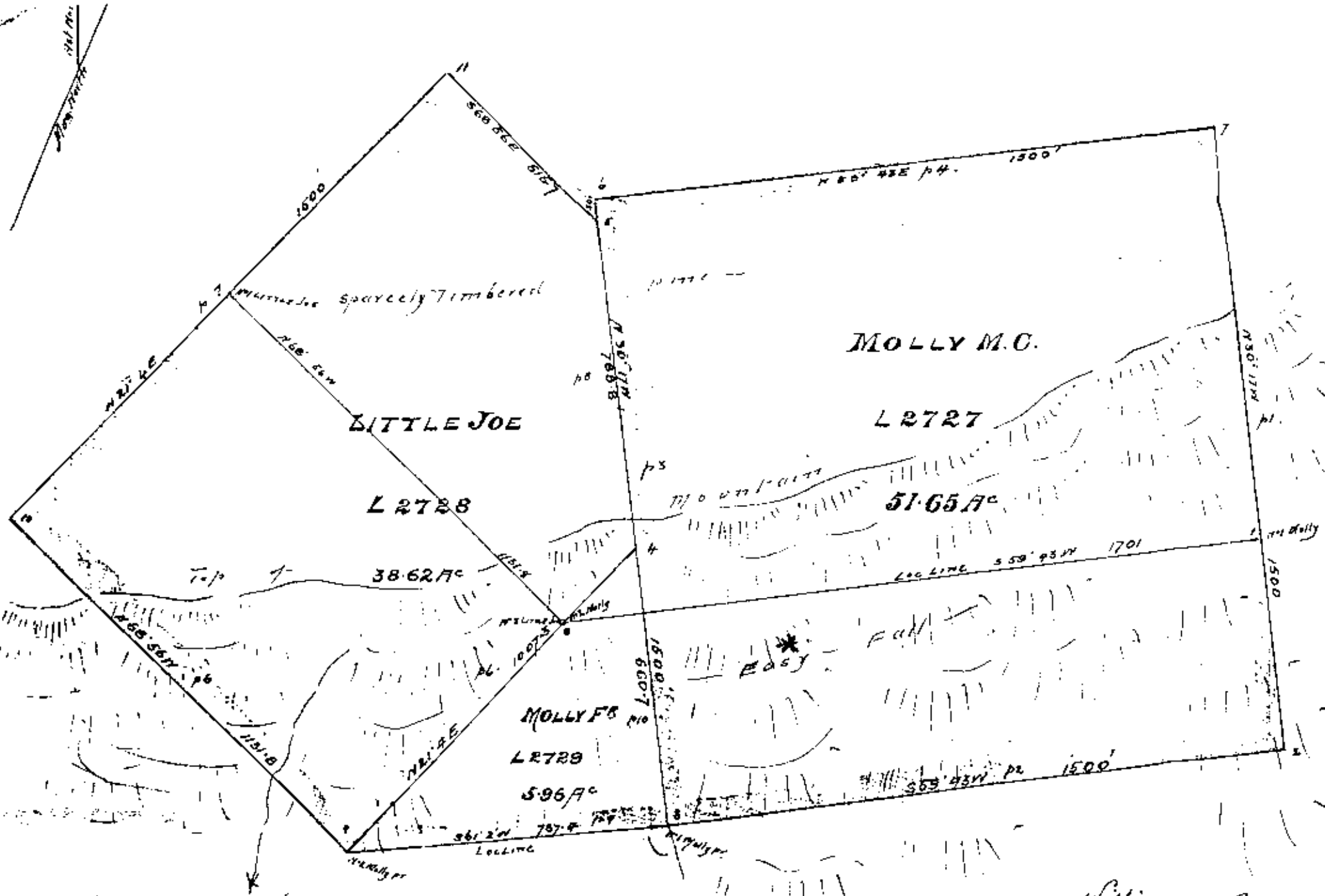
Scale 300' to 1 inch

Aug^o 28th 1897 A. P. Parrier
P.L.S.



ORE SAMPLES

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ORE SAMPLE

William A. Bauer
P.S. J.B. 97

REPORTING DATE 19 NOV 1979

PAGE 1

SAMPLE NUMBER	FIELD NUMBER		COPPER LEAD ZINC SILVER GOLD					Mo(1) %	
			Cu(1) %	Pb(1) %	Zn(1) %	Ag(1) oz/t	Au(1) oz/t		
R79 13222	# 10451	} Stan	0.02	<.01	0.55			.003	
R79 13223	# 10452		0.39	<.01	0.69			.004	
R79 13224	# 10457	} May Day							
R79 13225	# 10458								
R79 13226	# 10460	} Near #1							
R79 13227	# 10461	} Golden Hope	See Chemistry Report						
R79 13228	# 10462								
R79 13229	# 10463	} Stan	<0.01	<.01	0.68			.008	
R79 13230	# 10464		<0.01					<.001	
R79 13231	# 10465	} Erling Gustafson	0.09	0.26	9.10	0.82	0.003		
R79 13232	# 10466	} Arnold Gustafson				0.07	<0.003	<.001	
R79 13233	# 10467			<.01	0.08	0.58	<0.003		
R79 13234	# 10198	} Stan	0.06	<.01	0.92			.001	
R79 13235	# 10200		0.04	<.01	1.03			.047	

Where analysis requested but no values shown, results are to follow

ANALYTICAL METHODS

Ag(1)
Au(1)
Fire assay

Cu(1)
Pb(1)
Zn(1)
Mo(1)
Assay

7692

6415

M82F/13E



--- REOUT TRAIL X BASE CAMP

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10.

