

88-053



006648

**ANALYTICAL SERVICES REQUEST**

Submitter Gary White Date submitted May 13<sup>188</sup> Date started May 18/88  
 Number of samples \_\_\_\_\_ Date required ASAP Date reported SEP 29 '88  
 Special instructions Spectrographic Analysis  
 Project \_\_\_\_\_ Area \_\_\_\_\_ Priority \_\_\_\_\_  
 Air photo \_\_\_\_\_ Card 1 of 1 Chief Analyst Paul H. Raly  
**PRINT CLEARLY (use dark pen or pencil)**

✓ PROPERTY FILE 2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80							
					NIS					FLD NO					ZUTM E					UTM N					RX					PROPERTY					COMMENTS																																																			
1	92E/SWG	5001	49°50'	126°25'	545N	5010																																																																																
LAB	NOOX	IDES	SPEC	XRD	MIN	PR	PA	u	Ag	Cu	Pb	Zn	Co	Ni	Mo	Cr	Hg	As	Sb	Ba	Sr																																																																	
36205	C	P	(SQ)	(Q)	SEP	W																																																																																
2	92L/11	GNBB-002	50°40'	127°25'	ALRZ	5040	<i>Prospector thinks rock is rhodinite, I think its potassic alteration -fsp</i>																																																																															
LAB	NOOX	IDES	SPEC	XRD	MIN	PR	PA	u	Ag	Cu	Pb	Zn	Co	Ni	Mo	Cr	Hg	As	Sb	Ba	Sr																																																																	
36206	C	P	(SQ)	(Q)	SEP	W																																																																																
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4	LAB	NOOX	IDES	SPEC	XRD	MIN	PR	PA	u	Ag	Cu	Pb	Zn	Co	Ni	Mo	Cr	Hg	As	Sb	Ba	Sr																																																																
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5	LAB	NOOX	IDES	SPEC	XRD	MIN	PR	PA	u	Ag	Cu	Pb	Zn	Co	Ni	Mo	Cr	Hg	As	Sb	Ba	Sr																																																																
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6	LAB	NOOX	IDES	SPEC	XRD	MIN	PR	PA	u	Ag	Cu	Pb	Zn	Co	Ni	Mo	Cr	Hg	As	Sb	Ba	Sr																																																																
			C	P	SQ	Q	SEP																																																																															

**SPECTROGRAPHIC REPORT**

<p>1</p> <p>Pb <u>1</u> Cu <u>1</u> Zn <u>1</u> Mn <u>0.5</u> Ag <u>1</u> V <u>1</u> Ti <u>0.2</u> Ni <u>1</u></p> <p>Co <u>1</u> Na <u>2.2</u> K <u>1.5</u> W <u>1</u> Ba <u>0.1</u></p> <p>TRACE - Ga, Zn</p>	<p>2</p> <p>Pb <u>1</u> Cu <u>1</u> Zn <u>1</u> Mn <u>0.5</u> Ag <u>1</u> V <u>1</u> Ti <u>0.2</u> Ni <u>1</u></p> <p>Co <u>1</u> Na <u>2.2</u> K <u>1.5</u> W <u>1</u></p> <p>TRACE - Sr</p>	<p>3</p> <p>Pb <u>1</u> Cu <u>1</u> Zn <u>1</u> Mn <u>1</u> Ag <u>1</u> V <u>1</u> Ti <u>1</u></p> <p>Co <u>1</u> Na <u>1</u> K <u>1</u> W <u>1</u></p>	<p>4</p> <p>Pb <u>1</u> Cu <u>1</u> Zn <u>1</u> Mn <u>1</u> Ag <u>1</u> V <u>1</u> Ti <u>1</u> Ni <u>1</u></p> <p>Co <u>1</u> Na <u>1</u> K <u>1</u> W <u>1</u></p>	<p>5</p> <p>Pb <u>1</u> Cu <u>1</u> Zn <u>1</u> Mn <u>1</u> Ag <u>1</u> V <u>1</u> Ti <u>1</u> Ni <u>1</u></p> <p>Co <u>1</u> Na <u>1</u> K <u>1</u> W <u>1</u></p>	<p>6</p> <p>Pb <u>1</u> Cu <u>1</u> Zn <u>1</u> Mn <u>1</u> Ag <u>1</u> V <u>1</u> Ti <u>1</u></p> <p>Co <u>1</u> Na <u>1</u> K <u>1</u> W <u>1</u></p>
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**X-RAY DIFFRACTION REPORT AND COMMENTS**

> 0.05 % Mn = 500 ppm Mn

Rhodonite -  $MnSiO_3$  →  $MnO = 54.1\%$  or 41.9% Mn

PROPERTY FILE

**KEY**

**COLUMNS 28-31**

UMFC ultramafic	GRNS greenstone	TRCT trachyte	SKRN skarn	SNDS sandstone
ANDS andesite	MNZN monzonite	TUFF tuff	GOUG gouge	SHLE shale
BSLT basalt	OBSD obsidian	AMPB amphibolite	ARGL argillite	SLSN siltstone
CRBN carbonatite	PNLT phonolite	CLCC calc-silicate	CHRT chert	MRLZ mineralization
DCIT dacite	QZPP quartz porphyry	GNSS gneiss	COAL coal	MVSP massive sulphide
DORT diorite	RYLT rhyolite	MRBL marble	DLMT dolomite	DISS disseminated
GBBR gabbro	SRPN serpentinite	PLLT phyllite	LMSN limestone	SCKK stockwork
GRNT granite	SNKN shonkinite	SCST schist	MARL marl	VEIN vein
GRDR granodiorite	SYNT syenite	HRFL hornfels	QRTZ quartzite	ALRZ alteration

**ANALYTICAL METHOD**

AA	ATOMIC ABSORPTION
AH	HYDRIDE GENERATION
FA	FIRE ASSAY
ES	EMISSION SPEC
XR	X-RAY FLUORESCENCE
WC	WET CHEMICAL
CL	COLORIMETRIC
CV	COLD VAPOUR

**COLUMNS 32-33**

4 Proterozoic	12 Cambrian	21 Mississippian	34 Jurassic
5 Helikian	14 Ordovician	22 Pennsylvanian	36 Cretaceous
6 Medynian	16 Silurian	24 Permian	40 Cenozoic
7 Paleozoic	18 Devonian	30 Mesozoic	42 Tertiary
8 Prot.-Paleozoic	20 Carboniferous	32 Triassic	44 Quaternary
			50 Unknown

**COLUMN 34**

SAMPLE TYPE
1 Single grab sample
2 Channel/chip
3 Composite sample
4 Drill core
5 Talus or transported
6 Soil
7 Silt
8 Other

**COLUMN 35**

% SULPHIDE
0 <0.5
1 0.5-1
2 1-10
3 10-50
4 >50

**SAMPLE PREPARATION**

W	TUNGSTEN CARBIDE
C	CERAMIC
S	STEEL

**COLUMNS 38-43**

Inventory Number or property name

**COLUMNS 44-80**

Comments



# ANALYTICAL SERVICES REQUEST

Submitter H. PAUL WILTON  
 Number of samples 4  
 Special instructions Please report Au, Ag, Cu as soon as available - As can wait.  
 Project District Geology  
 Air photo \_\_\_\_\_

Date submitted 15 May 87  
 Date required ASAP  
 Area Albarni Canal  
 Card 1 of 1

Date started \_\_\_\_\_  
 Date reported OCT 2 '87  
 Chief Analyst W. M. [Signature]  
 PRINT CLEARLY (use dark pen or pencil)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
NTS										FLD NOZ										UTM N										RXIYAG										SPROPERTY										COMMENTS																													
92 F2 WP 87 002										124° 51' 49" 08'										VEIN 5012										HIGH SIERRA B B																																																	
LAB NOOXIDES										SPECXRD										MINPRPA										Au Ag Cu										Pb Zn Co Ni Mo Cr Hg As Sb Ba Sr																																							
33267										C P SQ Q										SEP										4.91 3 0.16 20 86 74 28 20.9																																																	
PW 87 003																																																																															
LAB NOOXIDES										SPECXRD										MINPRPA										Au Ag Cu										Pb Zn Co Ni Mo Cr Hg As Sb Ba Sr																																							
33268										C P SQ Q										SEP										7.10 34 0.62 56 45 34 81 24.7																																																	
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LAB NOOXIDES										SPECXRD										MINPRPA										Au Ag Cu										Pb Zn Co Ni Mo Cr Hg As Sb Ba Sr																																							
33269										C P SQ Q										SEP										0.57 1 91 18 56 2 23 20.9																																																	
PW 87 005																																																																															
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33270										C P SQ Q										SEP										0.30 0.4 44 14 56 8 53 51.2																																																	
LAB NOOXIDES										SPECXRD										MINPRPA										Au Ag Cu										Pb Zn Co Ni Mo Cr Hg As Sb Ba Sr																																							
LAB NOOXIDES										SPECXRD										MINPRPA										Au Ag Cu										Pb Zn Co Ni Mo Cr Hg As Sb Ba Sr																																							

As < 30 ppm and Sb < 10 ppm on all samples.

**PECTROGRAPHIC REPORT**

<p><b>1</b></p> <p style="text-align: center;">Si ___ Al ___ Mg ___ Ca ___ Fe ___</p> <p>Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___</p> <p>Co ___ Na ___ K ___ W ___</p>	<p><b>2</b></p> <p style="text-align: center;">Si ___ Al ___ Mg ___ Ca ___ Fe ___</p> <p>Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___</p> <p>Co ___ Na ___ K ___ W ___</p>	<p><b>3</b></p> <p style="text-align: center;">Si ___ Al ___ Mg ___ Ca ___ Fe ___</p> <p>Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___</p> <p>Co ___ Na ___ K ___ W ___</p>	<p><b>4</b></p> <p style="text-align: center;">Si ___ Al ___ Mg ___ Ca ___ Fe ___</p> <p>Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___</p> <p>Co ___ Na ___ K ___ W ___</p>	<p><b>5</b></p> <p style="text-align: center;">Si ___ Al ___ Mg ___ Ca ___ Fe ___</p> <p>Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___</p> <p>Co ___ Na ___ K ___ W ___</p>	<p><b>6</b></p> <p style="text-align: center;">Si ___ Al ___ Mg ___ Ca ___ Fe ___</p> <p>Pb ___ Cu ___ Zn ___ Mn ___ Ag ___ V ___ Ti ___ Ni ___</p> <p>Co ___ Na ___ K ___ W ___</p>
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**X-RAY DIFFRACTION REPORT AND COMMENTS**

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GBBR gabbro	SRPN serpentinite	PLLT phyllite
GRNT granite	SNKN shonkinite	SCST schist
GRDR granodiorite	SYNT syenite	HRFL hornfels

SKRN skarn	SNDS sandstone
GOUG gouge	SHLE shale
ARGL argillite	SLSN siltstone
CHRT chert	MRLZ mineralization
COAL coal	MVSP massive sulphide
DLMT dolomite	DISS disseminated
LMSN limestone	SCKK stockwork
MARL marl	VEIN vein
QRTZ quartzite	ALRZ alteration

**ANALYTICAL METHOD**

AA	ATOMIC ABSORPTION
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FA	FIRE ASSAY
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3 Composite sample
4 Drill core
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6 Soil
7 Silt
8 Other

**COLUMN 35**

% SULPHIDE
0 <0.5
1 0.5-1
2 1-10
3 10-50
4 >50

**COLUMNS 36 - 43**

Mineral Inventory Number or property name

**COLUMNS 44 - 80**

Comments

**SAMPLE PREPARATION**

W	TUNGSTEN CARBIDE
C	CERAMIC
S	STEEL

Mackintosh Analyses (Geochem.)

① 87002 / 1.0 metre chip @ adit (q.v. + shear zone):

Au - 4910 ppb = 0.14 oz./ton

Ag - 3 ppm

Cu - 0.16 %

Pb - 20 ppm

Zn - 86 ppm

Ni - 74 ppm

Mo - 28 ppm

As - 20.9 ppm

Bi - 8 ppm

Cd - < 0.2 ppm.

"Main Showing"  
Adit

② 87003 - composite grab of q.v.: (at adit)

Au - 7100 ppb = 0.21 oz./ton

Ag - 34 ppm.

Cu - 0.62 %

Pb - 56 ppm.

Zn - 45 ppm.

Ni - 34 ppm

Mo - 81 ppm.

As - 24.7 ppm.

Bi - < 5 ppm.

Cd - < 0.2 ppm.

③ 87004 - composite grab of qtz. bx @ top end of trench:

Au - 570 ppb

Ag - 1 ppm

Cu - 91 ppm

Pb - 18 ppm

Zn - 56 ppm.

Ni - 2 ppm

Mo - 23 ppm

As - 20.9 ppm

Bi - < 5 ppm

Cd - < 0.2 ppm.

④ 87005 - composite sample / 1.1m, weathered shear zone: (lower end of trench)

Au - 300 ppb

Ag - 0.4 ppm

Cu - 44 ppm

Pb - 14 ppm

Zn - 56 ppm

Ni - 8 ppm

Mo - 53 ppm

As - 51.2 ppm

Bi - < 5 ppm

Cd - < 0.2 ppm.

## HIGH SIERRA (cont'd)

14 May 87

- Zone crosses lower road @ 675 m elev., 237 m from last road junction

- main showing (edit) @ elev. 580 m; in direction 055 from zone on road; angle of slope  $-30^\circ$   
- slope distance = 187 m.

- Scint. check: - no detectable increase on  $I_2$  (U+Th)

- vein + mineral<sup>2</sup> has no magnetic response.

- quartz vein { 0.4 m true width } pinches & swells a bit & has been sheared // original shear

- mainly sugary grey qtz. w/ up to 10% dissem. fg py & traces of noticeably coarser epy. - angular wall-rock inclusions.

- grey qtz. is cut by irreg. veinlets of white, m-eg, vuggy qtz. with patchy (avg. up to 3%) epy, py, minor sphal. (?)

**PW 87001** - 2 specimens of typical q.v. material

- q.v. is bounded on both sides by sheared, chloritized & pyritized diorite with abundant thin vuggy q.v. w/ py & epy

- the shear zone in turn is bounded by massive, pyritized diorite with considerable fine dissem. py.

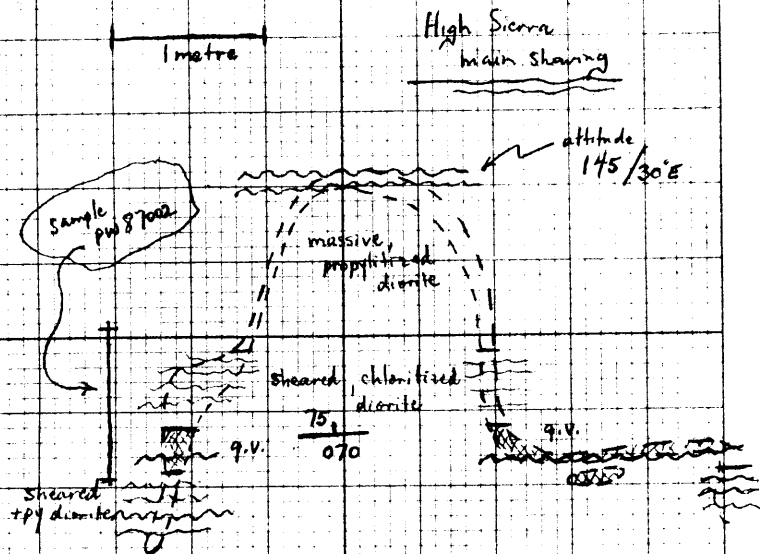
**PW 87002** - chip sample across 1 metre

**PW 87003** - composite grab sample of q.v. material (represents 0.4 m width)

Photographs: #13 - mineralized q.v. (beneath hammer) - main showing.

#14 - main showing (edit)

#15 - looking toward main showing from road (right at tree line on RHS of creek.)



Photographs: #16 - "Trench" connecting two roads.

#17 - massive mg hblite diorite with flat-lying shears cut by younger steep shears and joints.

#18 - Sheared diorite at bottom end of trench - hammer resting on vein.

#19 - "Trench" looking uphill.

Trench: - angle of slope =  $20^\circ$

- total length = 146 m. (slope dist)

- intersects upper road at 110 m. from lower end.

- average width = 18 m.

- elevation at upper end of trench = 725 m.

- bearing of trench = 045.

## High Sierra (cont'd)

- occurrence of qtz. bx. just above upper road in trench
- 0.3 m wide at top of bank but horse-tails cut to swarn of thin q.v. toward road.
- angular, silicified dior frags healed w sugary, vuggy white qtz. - 2-3% very fine py. - no vis. cpy
- PW 87004 - composite grab sample of qtz. bx.
- diorite at top end of trench is weakly altered to Fe carbonate.

- Photograph # 20 - trench, looking downhill from upper road.

~~Photograph~~

- overburden stripped in trench but bedrock not cleaned off
- bedrock exposures mainly massive, white-clay or propylitically altered diorite.

on east wall of trench { - a few local exposures of sugary qtz. w up to 1% very fine py  
- one 10 cm. vein of same w attitude 035/35E.

- at bottom of trench, in bank above road, sheared & silicified zone, 1.1 m. wide, 040/75° E.

- Photograph # 21 - shows zone w hammer on E wall.

- most of road cut @ bottom of trench - sheared dior. w thin q.v.'s.

- irregular vuggy q.v. & sheared diorite w abundant fine py.

- realgar(?) on shears & abundant black, sooty mat'l. (sheared py?)

PW 87005 - composite sample / 1.1 m. - weathered rock.

PW 87006 - specimens of sheared dior.

no visible cpy.



86/07/04

M92F/2W

PROPERTY FILE

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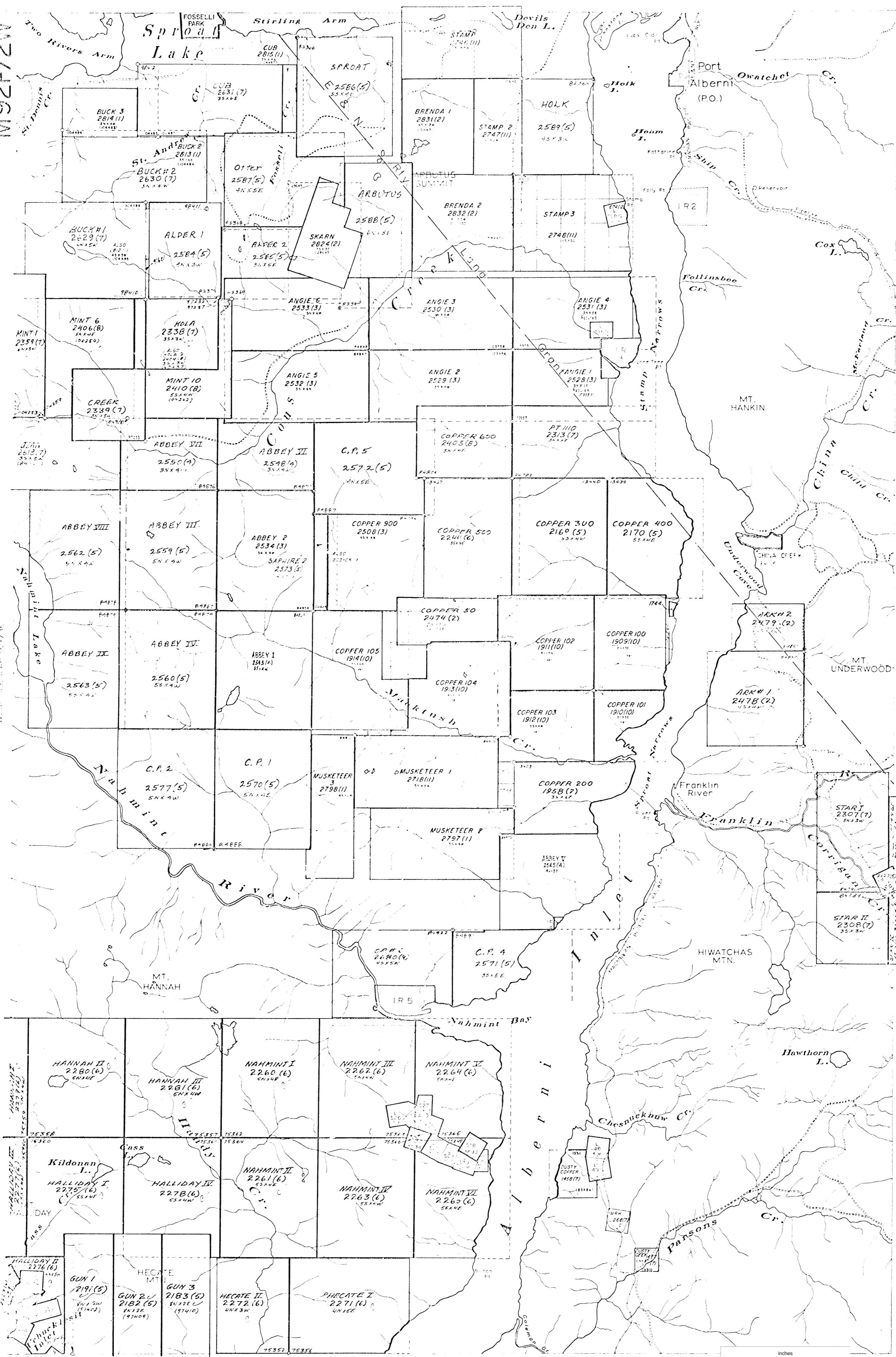
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1



LEGEND

GREEN - GRANTED MINERAL CLAIM  
 RED - REVEALED CLAIM  
 BROWN - REVEALED MINERAL CLAIM  
 BLACK - LEGAL CLAIM  
 LEGAL CLAIM POST - TAG NUMBER CLAIM

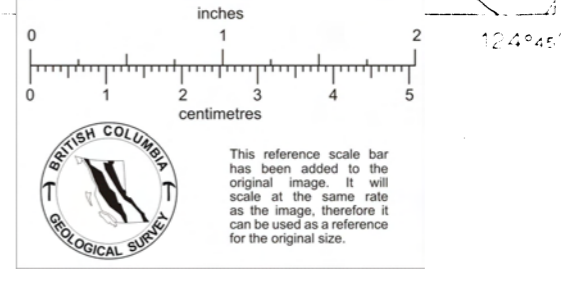
Scale: 1:50,000

Miles 1 0 1 2  
 Metres 1000 500 0 500 1000 2000 3000  
 Kilometres 1 0 1 2 3

UNLESS NOTED OTHERWISE, THE MAP PORTION OF A LEGAL CLAIM POST IS BASED ON THE LOCATION SHOWN FOR THE CLAIM IN THE LEGAL CLAIM POST TO THE OFFICE OF THE MINING DIVISION.

DATE OF MICROFILM: 5/1/82

ALBERTA MINING DIVISION TO SOUTH SEE MAP 92C/15W



92