Preliminary Geochemical Prospecting Report on the WOLF 1-22, MB 1-6, PYREX 1-4 on NTS map sheets 115-0-1, 115-J-15, and 115-J-16 UTM 07V 0628100 E 6987600 N in the Dawson Mining District Yukon Territory

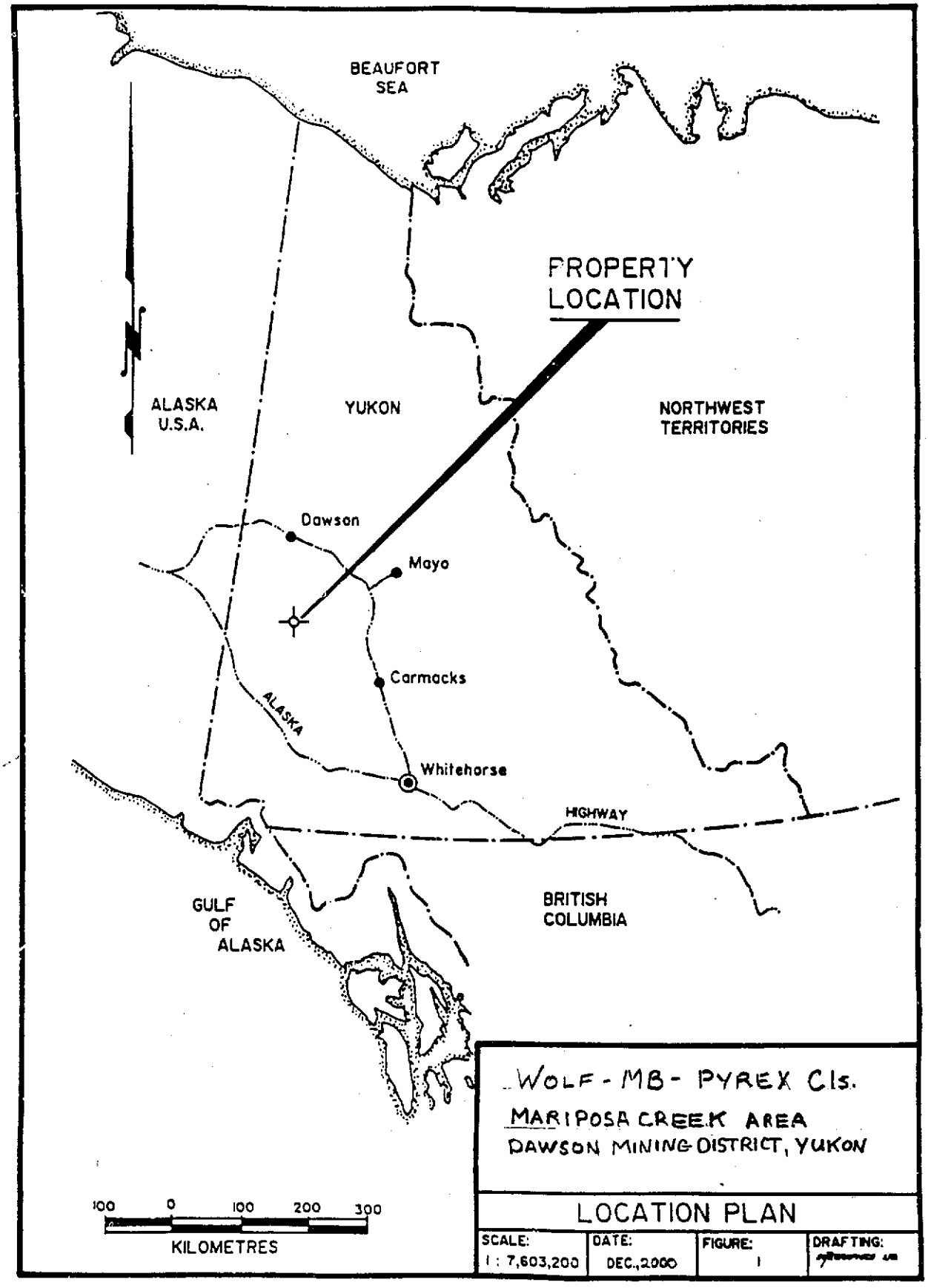
Work performed between June 5 and June 14, 2000

Prepared by: TOM MORGAN

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work to the amount of $ 3200.00.

for Regional Manager, Exploration and Geology Services
Chief Mining Commissioner
of Yukon Territory.

Table of Contents



WOLF - MB - PYREX Cls.

MARIPOSA CREEK AREA

DAWSON MINING DISTRICT, YUKON

LOCATION PLAN

SCALE:	DATE:	FIGURE:	DRAFTING:
1 : 7,603,200	DEC., 2000	1	

Introduction

The Mariposa Creek claim block, comprised of WOLF 1-12, MB 1-6,and PYREX 1-4, was prospected from June 5 to June 14 and twenty samples were taken at that time. Vern Matkovich, and Michael Birdman worked with myself, Tom Morgan, for a total of 12 man/days over 6 days. This was a preliminary pass over the ground to familiarize ourselves with the area and to see if there were any geological or geochemical anomalies that warranted further investigation.

This project was a group effort of pooled resources from Stuart Schmidt, Vern Matkovich Carl Jonas, the Birdmans, and myself, Tom Morgan. The ground ownership is as listed in the Indian and Northern Affairs Claim Status Report, following page.

Claim Status Report

04 January 2001

	Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	NTS #'s
R	MB 1 - 6	YC17410 - YC17415	2001/08/13	Michal Bidrman	100.00	115-O-01 , 115-J-16
R	Pyrex 1 - 4	YC17406 - YC17409	2001/08/13	Michal Bidrman	100.00	115-O-01
R	Wolf 1 - 22	YC17355 - YC17376	2001/07/30	Carl J.J. Jonas	25.00	115-J-15 , 115-J-16 , 115-O-01
				Stuart Schmidt	25.00	
				Tom Morgan	25.00	
				Vernon Matkovich	25.00	

Criteria(s) used for search:

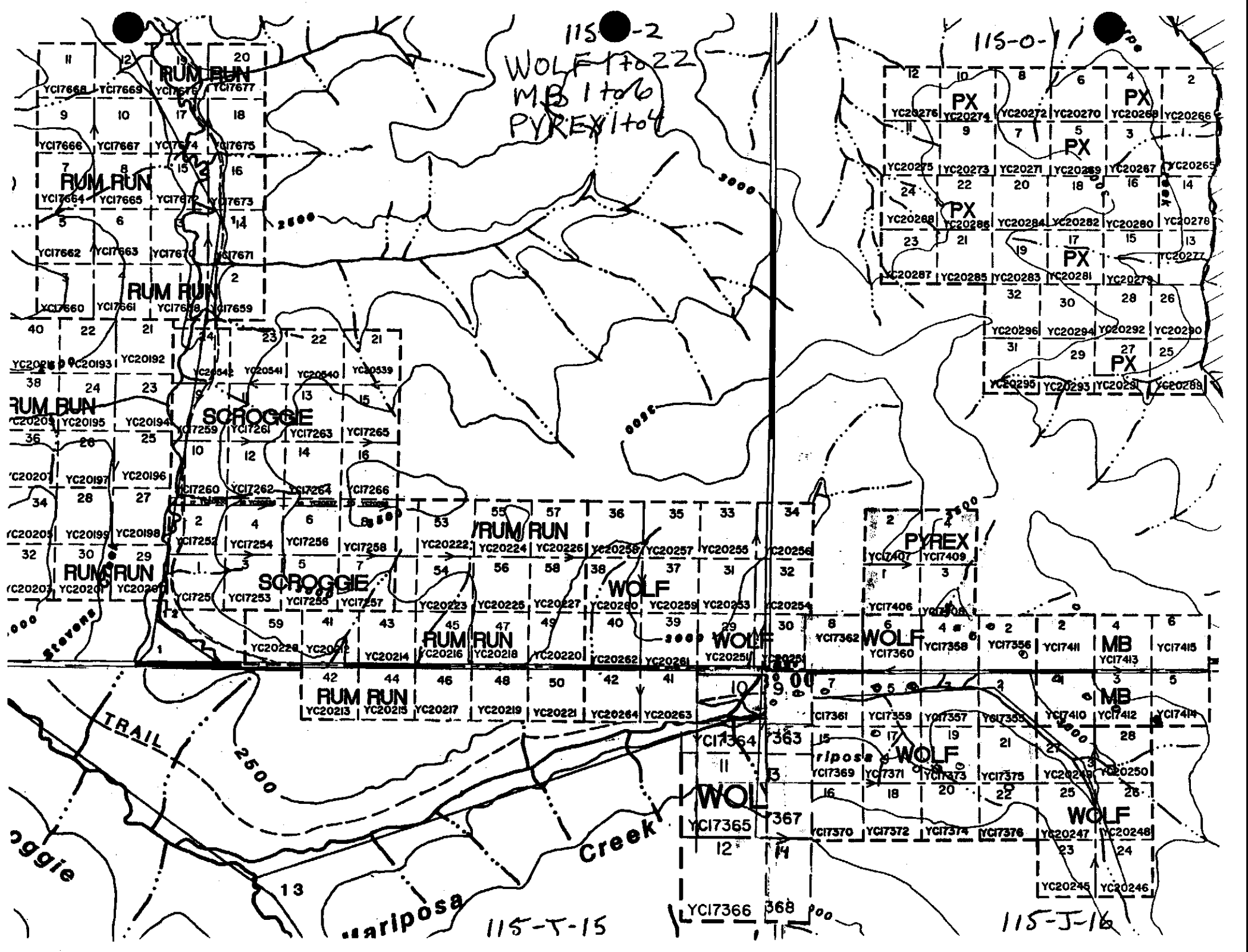
CLAIM NAME: MB, PYREX, WOLF CLAIM STATUS: ACTIVE & PENDING REGULATION TYPE: QUARTZ

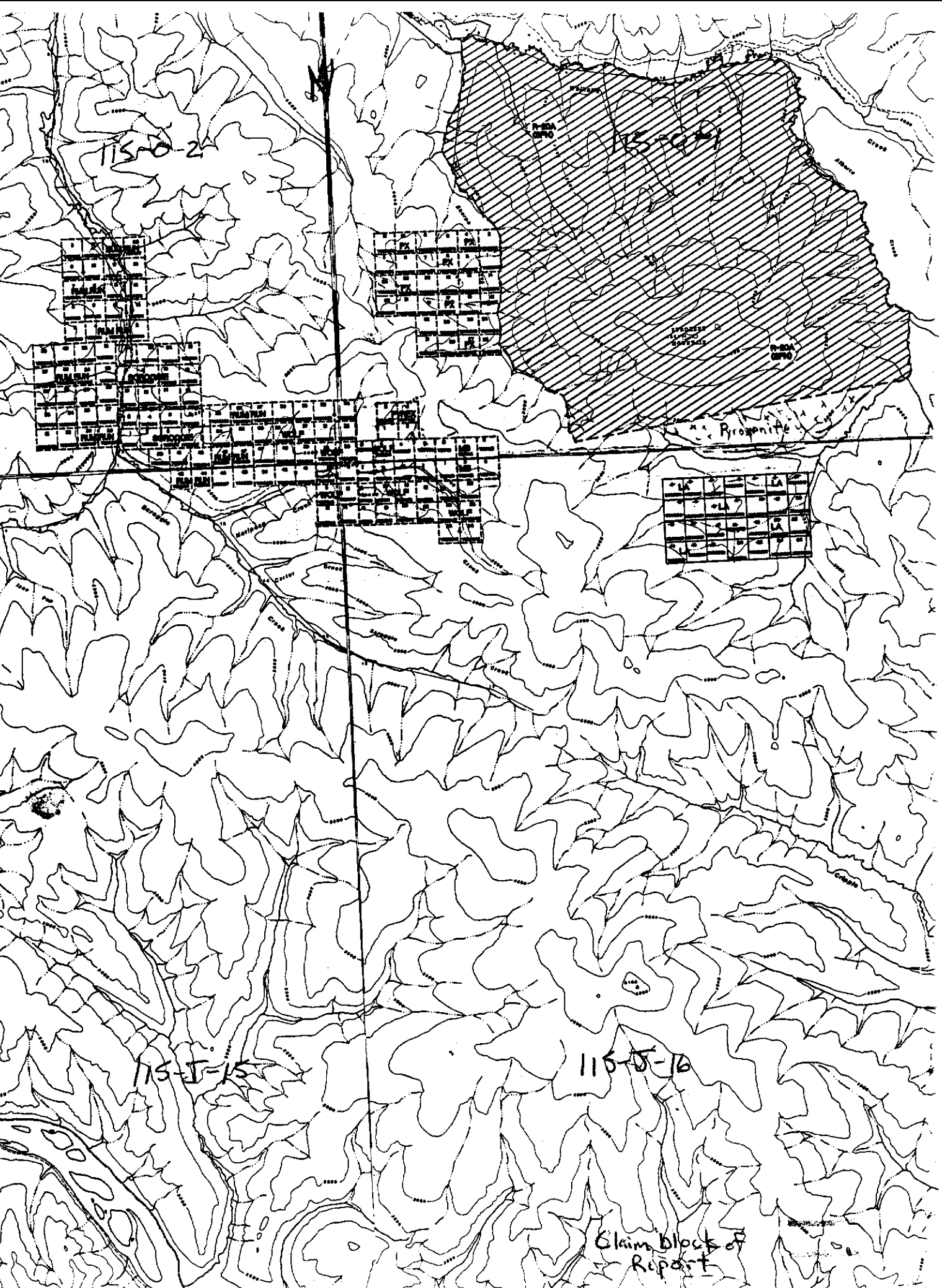
Left column indicator legend:

R - Indicates the claim is on one or more pending renewal(s).
P - Indicates the claim is pending.

Total claims selected : 32

Canada


115-2
WOLF 1 to 22
MB 1 to 6
PYREX 1 to 4
115-0-1
RUM RUN
SCROGGIE
WOLF
PYREX
PX
MB
TRAIL
Creek
115-T-15
115-J-16


115-D-2
115-C-1
115-J-15
115-D-16
Mt. Prospect
Claim Block of Report

Location and Access

The claim block, which is comprised of WOLF 1-22, PYREX 1-4, and MB 1-6, is located on the upper end of Mariposa Creek in the Dawson Mining District. The area is located on map sheets 115-J-15, 115-J-16 and 115-0-1.
Easting boundaries - 07V 0626250 to 0630000
Northing boundaries - 6986750 to 6989250.

The claim block is accessed by flying to Scroggie Creek airstrip near Birdman's placer mining operation at UTM 07V 0622100
6990750
The old mining road along Scroggie Creek is then followed 4km upstream to Butterworth's old mining camp by the mouth of Mariposa Creek. This is where we based our operations from. From there to the start of the claim block is another 3.5 km up Mariposa Creek on the old mining road.

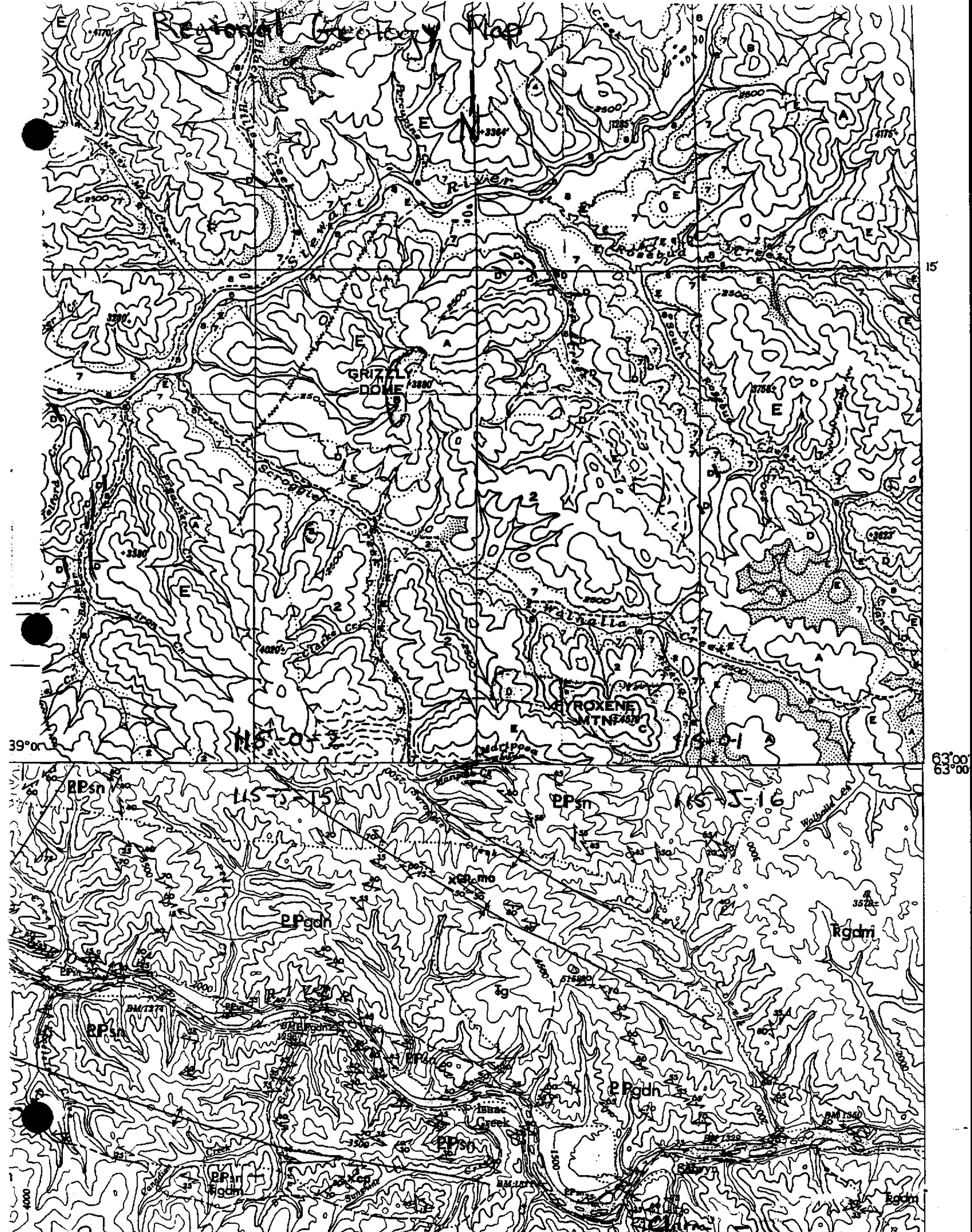
A winter access road runs from Pelly Crossing to Scroggie Creek over a distance of 145 km. This road travels through Pelly Farm , two miles up from the confluence of the Pelly and Yukon rivers. Heavy equipment accesses the Scroggie Creek area this way.

Work Performed and Rationale

A total of 11 soil samples, 5 rock samples and 4 stream silt samples were taken while prospecting the WOLF 1-22, PYREX 1-4, and MB 1-6 claim blocks. These 32 claims are all adjoining on map sheets 115-J-15, 115-J-16, and 115-0-01.Twelve man/days over a period of six days were spent traveling, prospecting and collecting samples.The ground was staked after researching " Pogo " style deposits, which it appeared to resemble in it's geology and geophysics. (being that it is next to a large granitic body of proposed Cretaceous age and situated along a linear N.W. trending magnetic high with a corresponding magnetic low against it). Coupled with this is the fact that this area has produced a large amount of placer gold, thus making it an appealing target.

Upon prospecting in the block a small unmapped granitic plug was discovered on the left limit of Mariposa Creek. This unsheared granitic has a surface exposure of approx. 0.35km by 0.5 km. Frost and blocky talus slope obscure the eastern valley wall from which the plug emerges. Only one sample ended up being taken near this exposure, and was our best assay , running 111ppb Au.

We flew into Scroggie airstrip in a 185 Cessna with our partner, Stuart Schmidt. From there the Birdmans transported us and our gear to the camp at the mouth of Mariposa Creek. The next day we accessed the claim block and prospecting area with a 4 wheel ATV, and sampled creek exposures up Mariposa Creek. The next day we traversed and sampled up a left limit trib. and over the granitic plug and down into the upper end of Mariposa Creek. Vern and I then flew out of the area and I returned two days later with Stuart. Michael Birdman and I went back up to the target area and sampled along the right limit of Mariposa Creek. The next day we went back and traversed the left limit slope along Mariposa, however this slope is all frost and talus boulders. No samples were taken on this side of the valley.


Regional Geology Map
N
River
Rosebud Creek
GRIZZLY DOME
PYROXENE MTN
Walhalla
Scroggie
Clarke Cr.
115-O-2
115-O-1
115-J-15
115-J-16
PPsn
PPgdn
Trgdm
Isaac Creek
Selwyn
15'
63°00'

Regional Geological Legend
115-J-15 and 115-J-16

by D.J Templeman-Kluit

PPsn:- Proterzoic (and/or) Paleozoic — **schist gneiss;** brownish weathering, gray feldspar mica schist; includes amphibolite and augen gneiss and minor marble undifferentiated; includes rocks of Pelly Gneiss and Klondike Schist undifferentiated.

PPgdn — **Pelly Gneiss;** strongly foliated to gneissic muscovite chlorite biotite granodiorite; minor augen gneiss; grades locally to garnetiferous amphibolite.

Trgdm:- Triassic(?) — **hornblende granodiorite;** dark gray weathering, course grained equigranular biotite hornblende granodiorite to quartz diorite; commonly shows layering or foliation by alignment of mafics.

Tg — **Coffee Creek Granite**; course grain equigranular, homogenous, biotite granite and quartz monzonite.

MAP 16-1975
PAPER 73-41
GEOLOGY SNAG
YUKON
Scale 1: 250,000

Regional Geological Legend
115-0-1 and 115-0-2

by H. S. Bostock

RECENT
8-Stream deposits

TERTIARY AND MODERN
7-Stream deposits

SELKIRK SERIES
6-Basalt,andesite

TERTIARY
EOCENE OR LATER
5-Granite porphyry, syenite porphyry
4-Andesite, basalt, dacite, trachyte, rhyolite; breccia, tuff, agglomerate

EOCENE
3-Conglomerate, sandstone, shale, coal; tuff

JURASSIC OR LATER
2-Chiefly granite and granodiorite

ORDOVICIAN OR LATER
1-Argilite, sandstone, conglomerate

PRECAMBRIAN AND LATER
A-Chiefly gneissic granite
B-Klondike schist: sericite schist, minor chlorite schist
C- Gabbro, pyroxene, peridotite, serpentine
D-Limestone
E-Gneiss, quartzite, schist, slate

MAP 711A
OGILVIE, YUKON
Scale 1: 253,440
One inch to 4 miles

AEROMAGNETIC SERIES GSC
MAP 7840G
SNAG
SCALE 1/253,440

SHEET 115 J 115 K E½

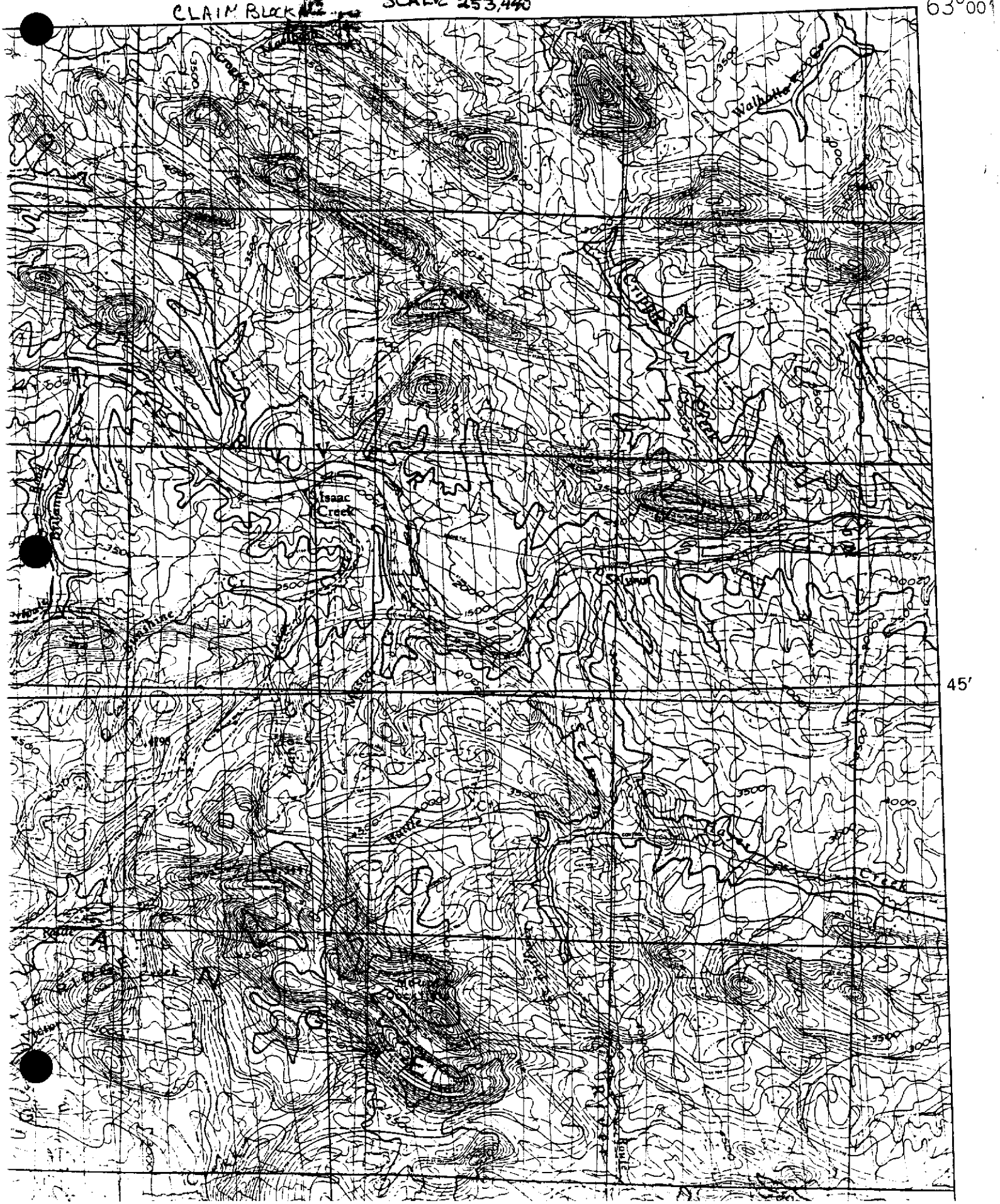
138°00'

63°00'

30'

CLAIM BLOCK

45'



Sample Descriptions and Locations

WX-2000-001 - Soil sample of C horizon with light green - brown color. Taken at 55cm depth. Quartz in schist (amphibolite) material.
UTM 07V 0627472 **WOLF 17 YC17371**
6987443

WS-2000-002 - Silt sample of small trib.; contained lots of micaceous fines and quartz pebbles **WOLF 17 YC17371**
UTM 07V 0627505
6987376

WS-2000-003 - Silt sample of small trib. contained lots of micaceous fines, some quartz. .
UTM 07V 0627744 **WOLF 17 YC17371**
6987179

WS-2000-004 - silt sample of main trib. that has quartz boulders and blocky schist.
UTM 07V 0627833 **WOLF 19 YC17373**
6987125

WX-2000-005 - Soil sample of C horizon with gray brown color taken at 65cm depth. Serecite schist with some quartz in sandy material.
UTM 07V 0627889 **WOLF 19 YC17373**
6987170

WX-2000-006 - Soil sample of C horizon with green - brown to red color, taken at 40cm depth Hard blocky oxidized schist and quartz in sandy to clay material.
UTM 07V 0628190 **WOLF 22 YC17376**
6986994

WS-2000-007 - Silt sample of right limit trib. to Mariposa Creek in a dark silt (hornblende?) with amphibolite schist and some quartz.
UTM 07V 0628095 **PYREX 3 YC17408**
6988421

WX-008 -Soil sample of C horizon with gray-green-brown color taken at 70cm depth. Amphibolite schist and quartz, sandy to silty material.
UTM 07V 0628284 **WOLF 4 YC17358**
6988376

WX-009 -Soil sample of C horizon with gray-brown to red-brown color taken at 65cm depth. Some felsic schist material with iron oxide, sandy to clay material.
UTM 07V 0628497 **WOLF 4 YC17358**
6988316

WX-010 Soil sample of C horizon with gray-brown to red-brown color taken at 70cm depth. More felsic schist material with iron oxides in sandy to clay material.
UTM 07V 0628788 **WOLF 2 YC17356**
6988443

WX-011 Soil sample of C horizon with green-brown fines taken at 65cm depth. Dark schist, gneiss material with some quartz in sandy material.
UTM 07V 0628865 **WOLF 2 YC17356**
6988171

WX-012 Soil sample of C horizon with green-brown fines taken at 60cm depth. Dark amphibolite schist/gneiss with some quartz in the material.
UTM 07V 0628892 **MB 1 YC17410**
6987954

.....sample descriptions and locations con't...

WX-013 Soil sample of C horizon with green, brown and red streaks in fines taken at 60cm depth. Dark amphibolite schist/gneiss with some felsic material in sandy-clay fines.
UTM 07V 0629083 **MB 1 YC17410**
6987662

WX-014 Soil sample of C horizon with green-brown to reddish brown fines taken at 70cm depth. Dark schist/gneiss with some oxidized felsic material in sandy-clay fines.
UTM 07V 0629294 **MB 3 YC17412**
6987646

WX-015 Soil sample of C horizon with green-brown fines taken at 65cm depth. Dark schist/gneiss with some quartz in sandy, silty fines.
UTM 07V 0629683 **MB 5 YC17414**
6987518

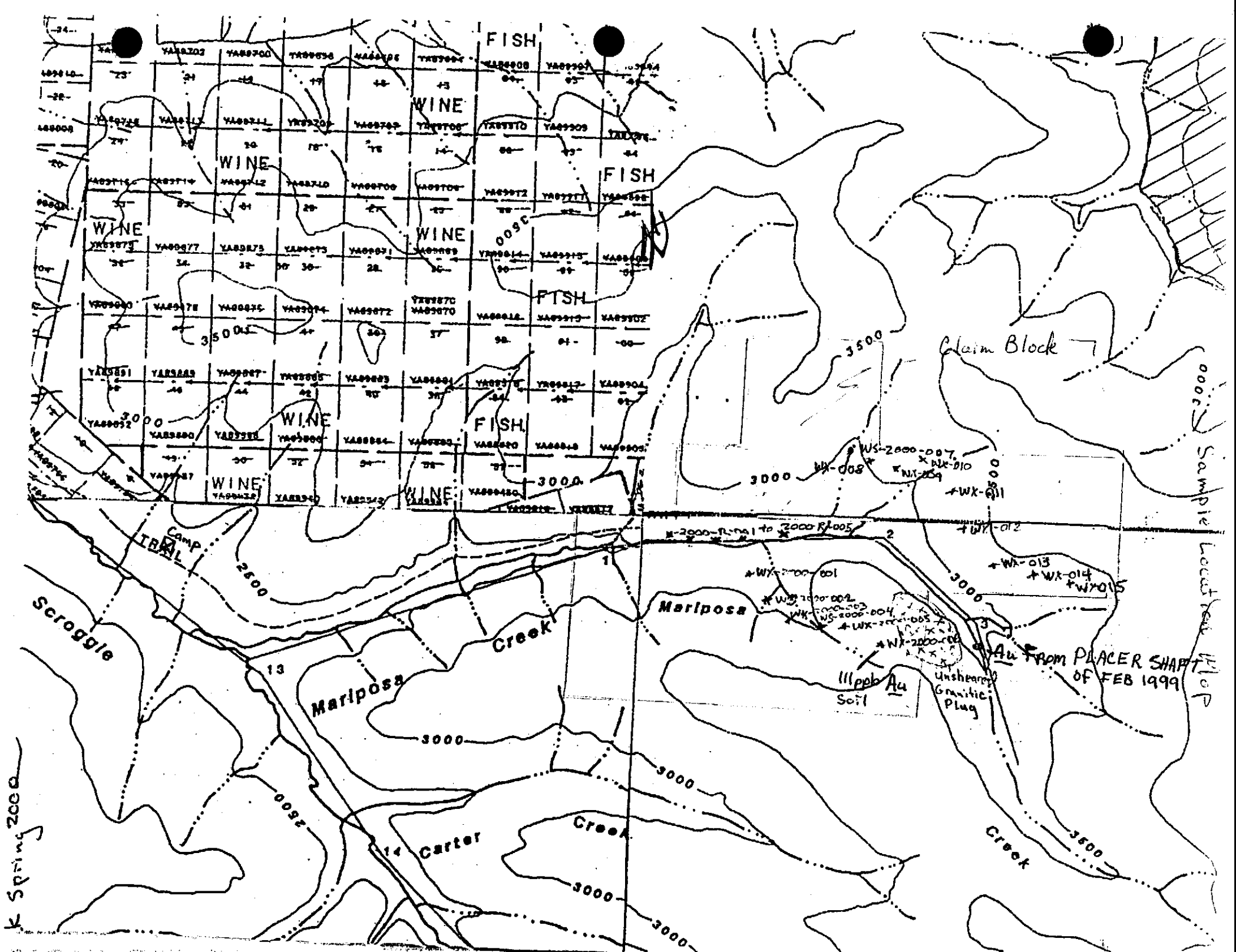
2000-R-001 -Bedrock chips of felsic micaceous gneiss with high quartz content. Taken from exposure beside creek in old placer cut.
UTM 07V 0626815 **WOLF 9 YC17363**
6987686

2000-R-002 Porphyritic , brown , felsic volcanic unit. Float grab in old placer cut.
UTM 07V 0627064 **WOLF 9 YC17363**
6987691

2000-R-003 Quartzite schist with minor pyrite. Outcrop grab from old placer cut.
UTM 07V 0627343 **WOLF 7 YC17361**
6987698

2000-R-004 Amphibolite schist with minor pyrite. Outcrop grab from old placer cut.
UTM 07V 0627516 **WOLF 5 YC17359**
6987712

2000-R-005 Quartz vein with iron staining in chlorite schist. Outcrop grab from old placer cut.
UTM 07V 0627714 **WOLF 5 YC17359**
6987807


FISH
WINE
WINE
FISH
WINE
FISH
WINE
FISH
WINE
WINE
3500
3000
3000
Claim Block
Sample Location Map
WS-2000-007
WX-008
WX-009
WX-010
WX-011
WX-012
WX-013
WX-014
WX-015
WX-2000-001
WS-2000-002
WX-2000-003
WS-2000-004
WX-2000-005
WX-2000-006
Mariposa
Creek
Scroggie
Camp
TRAIL
2500
13
Mariposa
Creek
3000
3000
3000
3000
005E
14 Carter
Creek
Creek
3500
Spring
2000
111ppb Au
Soil
Unsheared
Granitic
Plug
Au from PLACER SHAFT
OF FEB 1999

Tabulations of Au Sample Results

Sample number	Au (ppb)
WX-2000-001	17
WS-2000-002	30
WS-2000-003	10
WS-2000-004	<5
WX-2000-005	19
WX-2000-006	111
WS-2000-007	14
WX-008	25
WX-009	65
WX-010	43
WX-011	9
WX-012	8
WX-013	18
WX-014	20
WX-015	13
2000-R-001	21
2000-R-002	13
2000-R-003	7
2000-R-004	<5
2000-R-005	11

X= Soil sample

S= Stream silt sample

R= Rock sample

Conclusions and Recommendations

There appear to be two main areas of interest that have come out of our first pass on the property. The first area is in and around the small intrusive plug identified on WOLF 21 and WOLF 1. Sample WX-2000-006 was taken 150m.S. of the contact. This sample ran 111ppb Au. The southern and western contact of the intrusive with the schist, should be identified and grid sampled. The Northern and Eastern edges of this intrusive are obscured from view with permafrost overburden and talus boulder covered slopes. Other than with drilling or trenching, this will be a difficult area to prospect.

The other area of interest was the slightly anomalous values (25, 65. 43 ppb Au) found on WOLF 4 and WOLF 2 with samples WX-008, WX-009 and WX-010. The soil sampled had an iron oxide stain along with a felsic intrusive unit showing in it. This area should be grid sampled to find if there is any significance in these values.

Statement of Expenses

Labour -	Prospecting, sampling, transportation 12 man/days @ $250	$3000.00
Supplies -	Groceries, fuel, sample gear, etc.	$ 450.00
4 - Wheeler Rental		$ 500,00
2 Flights -	185 Cessna Dawson- Scroggie	$ 700.00
Assays x 20		$ 427.76
Report Writing		$ 500.00

Personnel

Michael Birdman	2 days	
Vern Matkovich	4 days	Prospecting, sampling
Tom Morgan	6 days	& travel
	12 man/days	

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Invoice for Analytical Services

To:

Vern Matkovich
Tom Morgan

Invoice Date: 19/07/2000

WO# 00064

Analyses:	DESCRIPTION	UNIT PRICE	AMOUNT
	Sample Preparation:		
6	Rock/D.C. Sample Preparation	5.50	33.00
38	Soil/Sediment Sample Preparation	2.00	76.00
1	Soil/Sed. Sample Preparation (Plastic Bags)	3.00	3.00
	Analyses:		
45	Au + 30	17.50	787.50

PAID CASH
Thankyou

Subtotal	899.50
GST @7% (R 121285662)	62.97
Total due on receipt of invoice	$962.47

2% per month charged on overdue accounts

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

19/07/2000 Certificate of Analysis

Vern Matkovich

WO# 00064

Certified by

	Sample #	Au ppb
s	BX-2000-000	19
s	BX-2000-001	11
s	BX-2000-002	11
s	BX-2000-003	66
s	BX-2000-004	23
s	BX-2000-005	11
s	BX-2000-006	41
s	BX-2000-007	160
s	BX-2000-008	340
s	BX-2000-009	99
s	BX-2000-010	33
s	BX-2000-011	20
s	BX-2000-012	17
s	BX-2000-013	22
s	BX-2000-014	18
s	BX-2000-015	10
s	BX-2000-016	19
s	BX-2000-017	17
s	BX-2000-018	92
s	BX-2000-019	26
s	BX-2000-020	23
s	BX-2000-023	22
s	BX-2000-024	14
s	BX-2000-025	10
s	WS-2000-002	30
s	WS-2000-003	10
s	WS-2000-004	<5
s	WS-2000-007	14
s	WX-2000-001	17
s	WX-2000-005	19

Northern Analytical Laboratories ltd.

105 Copper Road
Whitehorse, Yukon
Y1A 2Z7
Ph: (867) 668-4968
Fax: (867) 668-4890
E-mail: NAL@hypertech.yk.ca

Vern Matkovich

WO# 00064

Certified by

	Sample #	Au ppb
s	WX-2000-006	111
s	WX-008	25
s	WX-009	65
s	WX-010	43
s	WX-011	9
s	WX-012	8
s	WX-013	18
s	WX-014	20
ss	WX-015	13
r	2000-R-001	21
r	2000-R-002	13
r	2000-R-003	7
r	2000-R-004	<5
r	2000-R-005	11
r	BR-2000-022	500

INTERNATIONAL PLASMA LABORATORY LTD.

2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

CERTIFICATE OF ANALYSIS
iPL 00G0801

Client : Northern Analytical Laboratories
Project: W.O. 00064

45 Samples
45=Pulp

[080114:51:22:00072800]

Out: Jul 28, 2000
In : Jul 21, 2000

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
BX-2000-000	R	0.4	55	19	124	<	<	<	14	<	<	5.8	31	14	261	<	11	265	892	9	22	3	30	0.02	1.95	0.58	7.46	0.76	0.06	0.02	0.08
BX-2000-001	P	0.4	69	14	108	<	<	<	12	<	<	5.4	27	23	245	<	15	160	904	5	18	2	13	<	1.61	0.25	7.25	0.22	0.07	0.02	0.03
BX-2000-002	P	0.3	86	9	67	<	<	<	3	<	<	4.2	25	32	157	<	65	139	529	4	20	2	11	0.09	2.94	0.34	4.48	1.38	0.06	0.04	0.02
BX-2000-003	P	0.3	103	15	124	<	<	<	16	<	<	3.8	31	44	311	<	62	168	622	26	30	3	16	0.05	3.49	0.50	5.65	1.85	0.10	0.02	0.03
BX-2000-004	P	0.2	40	15	144	<	<	<	4	<	<	3.3	33	18	258	<	56	151	729	4	19	2	15	0.13	3.94	0.22	5.39	1.69	0.19	0.02	0.04
BX-2000-005	P	0.2	122	20	141	<	<	<	6	<	<	5.0	28	12	447	<	10	200	880	6	26	2	12	0.11	2.46	0.72	5.72	1.19	0.11	0.05	0.10
BX-2000-006	P	0.2	94	23	148	<	<	<	41	<	<	5.3	26	19	304	<	20	176	547	10	21	3	16	0.05	2.11	0.34	6.44	0.58	0.09	0.03	0.04
BX-2000-007	P	0.3	93	22	170	<	<	<	65	<	<	5.2	25	18	331	<	13	153	640	11	19	2	20	0.03	1.46	0.31	6.67	0.39	0.10	0.02	0.05
BX-2000-008	P	0.6	154	117	213	<	<	<	58	<	<	5.8	42	29	375	<	25	146	1278	7	22	2	23	0.02	1.26	0.24	7.01	0.25	0.09	0.02	0.04
BX-2000-009	P	0.3	95	34	211	<	<	<	27	<	<	5.6	30	28	342	<	17	184	897	10	19	3	26	0.01	1.31	0.23	8.05	0.26	0.08	0.02	0.04
BX-2000-010	P	2.9	113	21	202	<	<	<	7	<	<	6.4	47	27	539	<	12	200	2651	11	20	2	37	<	1.26	0.41	8.39	0.53	0.07	0.02	0.05
BX-2000-011	P	0.3	170	22	324	<	<	<	7	<	<	8.5	45	27	485	<	10	215	2251	7	18	3	39	<	2.54	0.52	8.78	1.73	0.07	0.03	0.06
BX-2000-012	P	0.3	129	18	466	<	<	<	4	<	<	6.9	29	16	467	<	10	224	2135	8	17	3	34	0.01	1.32	0.29	8.35	0.62	0.08	0.01	0.05
BX-2000-013	P	0.4	92	24	225	<	<	<	11	<	<	7.7	51	19	631	6	12	277	1970	7	26	4	37	0.05	2.18	0.48	10%	0.62	0.26	0.03	0.11
BX-2000-014	P	0.7	61	12	83	<	<	<	5	<	<	4.4	24	30	260	<	44	121	441	6	27	2	11	0.09	2.84	0.49	4.46	1.13	0.10	0.03	0.04
BX-2000-015	P	0.3	88	20	134	<	<	<	3	<	<	5.1	26	24	370	<	18	174	558	8	27	3	12	0.09	2.43	0.53	5.76	0.89	0.34	0.02	0.07
BX-2000-016	P	0.2	84	16	136	<	<	<	4	<	<	5.0	27	24	263	<	45	137	535	10	24	5	15	0.05	2.07	0.38	6.04	0.47	0.09	0.02	0.04
BX-2000-017	P	0.2	52	18	81	<	<	<	8	<	<	4.1	19	25	374	<	43	119	430	14	27	6	12	0.06	2.35	0.35	4.27	0.56	0.06	0.02	0.02
BX-2000-018	P	0.5	88	28	149	<	<	<	25	<	<	6.4	31	18	391	<	13	186	999	8	21	3	28	0.01	1.21	0.35	7.06	0.27	0.09	0.02	0.05
BX-2000-019	P	0.6	49	29	114	<	<	<	6	<	<	5.3	25	25	338	<	22	162	690	5	25	5	16	0.01	2.37	0.40	6.41	0.35	0.09	0.01	0.02
BX-2000-020	P	0.4	60	17	91	<	<	<	6	<	<	4.6	23	33	429	<	35	126	784	15	29	4	19	0.05	1.74	0.56	4.97	0.52	0.07	0.03	0.04
BX-2000-023	P	0.3	58	17	133	153	<	<	5	<	<	18.2	29	45	370	<	43	108	531	35	20	3	29	0.01	1.38	0.37	6.99	0.31	0.06	0.01	0.03
BX-2000-024	P	0.2	15	10	56	<	<	<	3	<	<	2.2	10	10	173	<	7	51	202	2	13	2	3	0.08	1.47	0.19	2.31	0.43	0.22	0.02	0.05
BX-2000-025	P	0.4	138	166	152	<	<	<	9	<	<	6.6	41	10	1117	<	7	343	934	11	29	4	22	0.09	3.10	0.43	8.84	1.40	0.27	0.02	0.06
WS-2000-002	P	0.2	11	11	42	<	<	<	3	<	<	2.0	8	9	124	<	16	40	172	13	19	1	3	0.07	1.11	0.33	1.80	0.42	0.10	0.03	0.07
WS-2000-003	P	0.1	6	3	34	<	<	<	2	<	<	1.3	5	11	73	<	13	26	135	11	17	1	2	0.06	0.99	0.28	1.20	0.34	0.08	0.02	0.05
WS-2000-004	P	0.1	7	9	43	<	<	<	3	<	<	1.6	7	8	131	<	13	29	178	14	18	1	2	0.07	1.15	0.29	1.50	0.37	0.10	0.02	0.05
WS-2000-007	P	0.4	28	11	67	<	<	<	5	<	<	2.5	12	22	558	<	38	52	357	35	54	2	5	0.07	1.97	0.79	2.56	0.61	0.11	0.03	0.08
WX-2000-001	P	0.3	9	14	44	<	<	<	3	<	<	2.3	8	9	102	<	19	56	192	15	18	2	2	0.07	1.43	0.13	2.83	0.36	0.11	0.02	0.04
WX-2000-005	P	0.2	25	12	85	<	<	<	3	<	<	3.4	15	7	485	<	13	67	388	7	28	2	3	0.15	2.01	0.68	2.94	1.06	0.62	0.02	0.17
WX-2000-006	P	0.2	28	14	90	<	<	<	3	<	<	3.6	19	19	415	<	22	94	515	10	20	2	6	0.13	2.25	0.35	3.71	0.94	0.46	0.02	0.08
WX-008	P	0.6	38	10	118	<	<	<	3	<	<	4.3	21	17	534	<	24	104	351	12	36	3	8	0.18	2.99	0.90	3.88	1.22	0.48	0.03	0.12
WX-009	P	1.0	66	24	119	<	<	<	7	<	<	4.2	17	17	408	<	30	87	775	29	28	4	9	0.17	2.72	0.60	3.93	0.96	0.70	0.02	0.08
WX-010	P	0.2	55	17	207	<	<	<	3	<	<	3.9	14	11	154	<	16	51	767	12	8	4	5	0.15	2.25	0.15	4.12	0.79	0.57	0.01	0.04
WX-011	P	0.3	31	15	132	<	<	<	4	<	<	4.5	16	25	260	<	33	67	421	11	14	6	5	0.11	2.78	0.14	3.64	0.67	0.31	0.02	0.02
WX-012	P	0.3	24	16	66	<	<	<	3	<	<	3.1	13	18	269	<	32	74	424	16	23	4	4	0.10	2.42	0.29	3.13	0.53	0.09	0.02	0.04
WX-013	P	0.4	38	12	75	26	<	<	5	<	<	3.4	14	28	517	<	44	63	311	45	54	3	5	0.08	2.06	1.03	3.17	0.65	0.17	0.03	0.18
WX-014	P	0.3	60	14	89	<	<	<	4	<	<	3.7	16	27	349	<	32	63	344	15	34	6	3	0.18	2.66	0.51	3.43	1.05	0.32	0.02	0.14
WX-015	P	0.3	45	15	129	<	<	<	2	<	<	3.4	13	7	236	<	8	44	595	12	10	3	6	0.20	2.10	0.26	3.66	0.71	0.84	0.02	0.09
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

—=No Test [redacted] sufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Est[redacted]% NS=No SampleP=Pulp

CERTIFICATE OF ANALYSIS
iPL 00G0801

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898

Client : Northern Analytical Laboratories
Project: W.O. 00064

45 Samples
45=Pulp

[080114:51:22:00072800]

Out: Jul 28, 2000
In : Jul 21, 2000

Sample Name		Ag ppm	Cu ppm	Pb ppm	Zn ppm	As ppm	Sb ppm	Hg ppm	Mo ppm	Tl ppm	Bi ppm	Cd ppm	Co ppm	Ni ppm	Ba ppm	W ppm	Cr ppm	V ppm	Mn ppm	La ppm	Sr ppm	Zr ppm	Sc ppm	Ti %	Al %	Ca %	Fe %	Mg %	K %	Na %	P %
2000-R-001	P	0.1	15	35	331	<	<	<	5	<	<	5.0	13	30	52	<	22	86	197	44	26	4	11	0.01	0.60	0.31	4.21	0.08	0.09	0.02	0.16
2000-R-002	P	0.1	11	191	239	<	<	<	3	<	<	5.4	8	18	40	<	34	64	82	23	28	5	10	<	0.36	0.10	3.68	0.02	0.08	0.01	0.07
2000-R-003	P	0.1	38	159	174	33	<	<	3	<	<	4.4	15	28	96	<	27	49	71	26	28	5	9	<	0.54	0.07	3.21	0.03	0.07	0.01	0.07
2000-R-004	P	0.1	13	31	56	<	<	<	5	<	<	4.4	8	3	161	<	30	43	937	18	330	8	5	<	0.46	4.51	3.28	1.22	0.15	0.02	0.10
2000-R-005	P	<	31	313	55	31	<	<	1	<	<	1.7	3	14	222	<	25	51	62	50	76	15	9	<	0.51	0.12	0.66	0.04	0.10	0.01	0.03
BR-2000-022	P	0.3	31	46	119	<	<	<	198	<	<	2.9	14	10	93	<	82	26	275	2	17	2	4	<	0.32	0.04	4.14	0.03	0.11	0.04	0.02
Min Limit		0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Max Reported*		99.9	20000	20000	20000	9999	999	9999	999	999	9999	99.9	9999	9999	9999	999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	5.00	5.00
Method		ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

----=No Test .sufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Es % NS=No SampleP=Pulp

CERTIFICATE OF ANALYSIS
iPL 00G0801

INTERNATIONAL PLASMA LABORATORY LTD.
2036 Columbia Street
Vancouver, B.C.
Canada V5Y 3E1
Phone (604) 879-7878
Fax (604) 879-7898
[080114:51:22:00072800]

Northern Analytical Laboratories
Project : W.O. 00064
Shipper : Norm Smith
Shipment: PO#: 176734
Analysis:
ICP(AqR)30

Comment:

45 Samples Out: Jul 28, 2000 In: Jul 21, 2000

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP 12M/Dis	REJECT 00M/Dis
B31100	45	Pulp	Pulp received as it is, no sample prep.		

NS=No Sample Rep=Replicate M=Month Dis=Discard

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Analytical Summary

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0721	ICP	ppm	Ag ICP	Silver	0.1	99.9
02	0711	ICP	ppm	Cu ICP	Copper	1	20000
03	0714	ICP	ppm	Pb ICP	Lead	2	20000
04	0730	ICP	ppm	Zn ICP	Zinc	1	20000
05	0703	ICP	ppm	As ICP	Arsenic	5	9999
06	0702	ICP	ppm	Sb ICP	Antimony	5	999
07	0732	ICP	ppm	Hg ICP	Mercury	3	9999
08	0717	ICP	ppm	Mo ICP	Molydenum	1	999
09	0747	ICP	ppm	Tl ICP (Incomplete Digestion)	Thallium	10	999
10	0705	ICP	ppm	Bi ICP	Bismuth	2	9999
11	0707	ICP	ppm	Cd ICP	Cadmium	0.1	99.9
12	0710	ICP	ppm	Co ICP	Cobalt	1	9999
13	0718	ICP	ppm	Ni ICP	Nickel	1	9999
14	0704	ICP	ppm	Ba ICP (Incomplete Digestion)	Barium	2	9999
15	0727	ICP	ppm	W ICP (Incomplete Digestion)	Tungsten	5	999
16	0709	ICP	ppm	Cr ICP (Incomplete Digestion)	Chromium	1	9999
17	0729	ICP	ppm	V ICP	Vanadium	2	9999
18	0716	ICP	ppm	Mn ICP	Manganese	1	9999
19	0713	ICP	ppm	La ICP (Incomplete Digestion)	Lanthanum	2	9999
20	0723	ICP	ppm	Sr ICP (Incomplete Digestion)	Strontium	1	9999
21	0731	ICP	ppm	Zr ICP	Zirconium	1	9999
22	0736	ICP	ppm	Sc ICP	Scandium	1	9999
23	0726	ICP	%	Ti ICP (Incomplete Digestion)	Titanium	0.01	1.00
24	0701	ICP	%	Al ICP (Incomplete Digestion)	Aluminum	0.01	9.99
25	0708	ICP	%	Ca ICP (Incomplete Digestion)	Calcium	0.01	9.99
26	0712	ICP	%	Fe ICP	Iron	0.01	9.99
27	0715	ICP	%	Mg ICP (Incomplete Digestion)	Magnesium	0.01	9.99
28	0720	ICP	%	K ICP (Incomplete Digestion)	Potassium	0.01	9.99
29	0722	ICP	%	Na ICP (Incomplete Digestion)	Sodium	0.01	5.00
30	0719	ICP	%	P ICP	Phosphorus	0.01	5.00

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* Our liabilit[illegible] ed solely to the analytical cost of these analyses.

BC Certified Assayer: David Chiu

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I have been working in the Field for over 10 years and have prepared and overseen the information of this report.

Tom Morgan Jan 1/2001