

# DISCOVERY

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February 12, 1991

Geological Survey of Canada  
100 West Pender Street  
Vancouver, BC V6B 1R8

Attention: Ken Dawson  
Re: PGE in Alkaline Porphyry Systems

Dear Ken,

Thanks for the information at the Roundup.

Please find enclosed the following:

- a). Rock assays from the Sappho Property from 1981. I thought I had other results but can't locate any.
- b). Assays & logs of drill core from the Friday Creek Property west of Similco (see location map). Also note the PGE in soils.

I trust these may be of some use.

Yours truly,

DISCOVERY CONSULTANTS



W.R. Gilmour

Encl.

FRIDAY CREEK

1:2,500

4000

3700

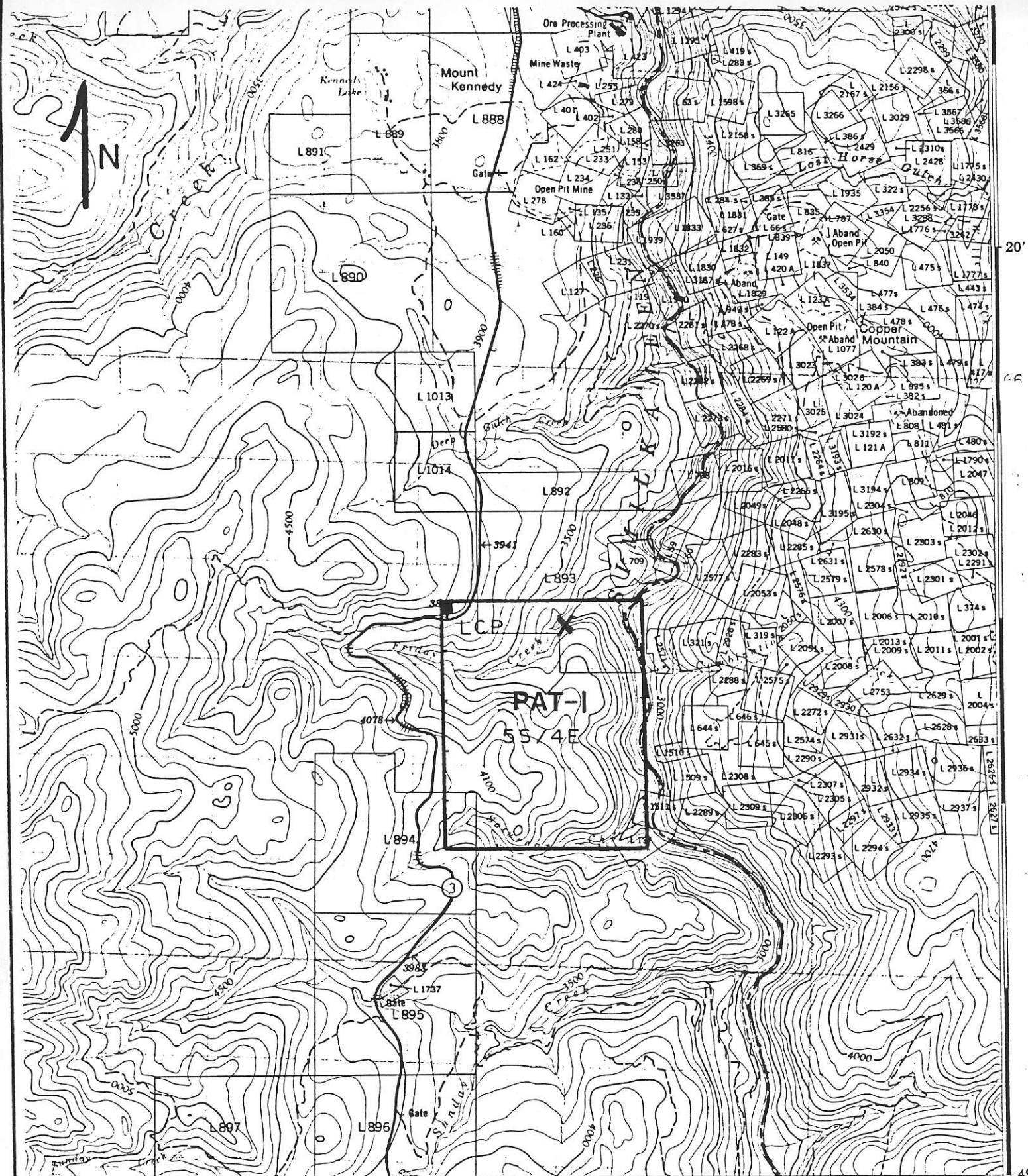
LEGEND

12 5 7 50 1 ppb of PALLADIUM  
3 0 2 7 0 ppb of PLATINUM

 >20 ppb Pd  
 20

RESULTS FROM CHEMEX LABS.  
SURFACE CONTOURS IN FEET.





# LOCATION MAP PAT-I

MAY 7, 1987  
 92 H / 7 - 1:50,000  
 SIMILKAMEEN MINING DIVISION

Manning Park 30 km

Co-Ords: Discovery Consultants  
 Azimuth: 110 deg. Drill Log  
 Dip: -45  
 Elevation:  
 Length: 121.92m  
 Section:  
 Purpose: Test Gold - Platinum Geochemical Anomaly

Drill type & size: NQ Tex Drilling  
 Dip tests:

Hole No.: 291-1  
 Property: FRIDAY CREEK  
 Location: Princeton Area  
 Date St.:  
 Date Fin:  
 Logged by: D.C. Miller  
 Date Logged: Nov 23-28/87

Interval (Metres)		Description	Sample ID	Sample Interval		Length	% Recovery	Au	Pd	Pt	Ag	Cr	Cu	Zn
From	To			From	To			ppb	ppb	ppb	ppm	ppm	ppm	ppm
0	(3.0)*	Casing, no core *(Start of Bedrock not marked-estimated).												
(3.0)	11.60	GABBRO Dark grey-green to black; generally fine-grained with prominent fine to coarse black biotite as vein-like clots and disseminations; strongly magnetic; cut by a number of fine white calcite veinlets mainly at 30-70 degrees, average 10/m and about 1mm thick; core breaks average 1/15cm commonly along fractures at 20-70 degrees, mainly 45-70 degrees.	42801	(3.0)	5.0	2.0	(95)	4	40	20	-0.2	117	17	65
			42802	5.0	8.0	3.0	99	2	36	25	-0.2	152	18	57
			42803	8.0	11.6	3.6	80	-2	8	20	-0.2	112	39	60
		(8.40-9.10)- Lighter grey, more fine grained anhedral feldspar, dioritic.												
11.6	13.1	GABBRO (FAULT ZONE) Broken, brownish colored with some brown mud.												
13.1	23.3	GABBRO As (3.0-11.6), generally better core in pieces up to 1m; cut by a number of lighter colored dykes and orange colored K-feldspar stringers and alteration patches starting at 15.0.	42804	11.6	13.1	1.5	60	-2	12	5	-0.2	93	43	81

Interval (Metres)		Description	Sample ID	Sample Interval		Length	% Recovery	Au ppb	Pd ppb	Pt ppb	Ag ppm	Cr ppm	Cu ppm	Zn ppm
From	To			From	To									
		(13.1-16.0) Broken core with gouge at (15.0-15.2)	42805	13.1	16.0	2.9	70	2	10	20	-0.2	98	44	72
			42806	16.0	18.5	2.5	99	8	10	10	-0.2	122	756	62
			42807	18.5	21.5	3.0	99	-2	4	15	-0.2	135	30	63
		(16.0-23.3)- Good core in pieces averaging 30cm, breaks at 15 degrees, 45 degrees and 60-70 degrees most common, often on white carbonate and quartz-carbonate healed fractures, average about 10/m.	42808	21.5	23.3	1.8	99	-2	-2	20	-0.2	125	56	59
		17.6- 2cm grey-orange quartz-feldspar stringer at 50 degrees, barren.												
		18.6- 4cm orange K-feldspar stringer at 45 degrees, carries some fine biotite and possibly bornite (bn).												
		(18.7-19.2)- Pale orange-grey monzonite? dyke, sharp 40 degree contacts; broken at (18.7-18.9).												
23.3	25.0	GABBRO (ALTERED) Medium grey, gradational contact with preceding unit 4cm; veined and replaced by orange K-feldspar; contains fair disseminated bn and cp in grains often associated with anhedral biotite; cut by a number of fine white calcite-quartz veinlets, approximately 15/m; fault at (24.9-25.0) at 50 degrees.												
25.0	25.6	MONZONITE DYKE Light orangey grey, very fine grained to aphanitic, sharp contact at 25.6 at 10-70 degrees; sparse anhedral fine biotite with traces of bn.												
25.6	33.3	GABBRO As 13.1-23.3, some bn associated with orange veining at (25.6-26.0).	42809	23.3	26.0	2.7	95	60	34	15	1.6	67	2390	38
			42810	26.0	29.0	3.0	99	4	8	10	-0.2	125	117	65









Interval (Metres)		Description	Sample ID	Sample Interval		Length	% Recovery	Au ppb	Pd ppb	Pt ppb	Ag ppm	Cr ppm	Cu ppm	Zn ppm
From	To			From	To									
		94.5 - epidote with 60 degrees fracture.												
		(102.2-102.8), (104.9-105.1)- Red hematite	42839	105.80	108.80	3.00	99	50	42	-5	-0.2	33	355	77
		coating fractures at 60 degrees with broken	42840	108.80	111.80	3.00	99	16	12	-5	-0.2	39	605	65
		core.	42841	111.80	114.80	3.00	99	12	16	5	-0.2	33	225	70
		(101.2-102.0)- Several dark inclusions to 4cm.	42842	114.80	117.80	3.00	99	6	16	-5	-0.2	41	169	62
			42843	117.80	120.40	2.60	99	20	16	-5	-0.2	30	199	57
106.0	121.92	DIORITE	42844	120.40	121.92	1.52	99	4	32	-5	-0.2	32	42	59
		Medium grey fine to medium grained, darker and more finer-grained than previous section; contact sharp and undulating at 0-25 degrees; cut by numerous aphanitic orange K-feldspar alteration stringers, commonly less than 1cm and mainly at 45-70 degrees; also some pink aphanitic to medium grained monzonite stringers generally good core in pieces averaging 20cm; blocky and broken at (114.0-116.5) and (120.8-120.6); core strongly magnetic.												
		Fair cp associated with orange K-feldspar at (106.5-106.7), otherwise very sparse.												

END OF HOLE

A "-" symbol for any geochem value refers to a result less than detection limit.