

June 5: Mapping. Rain-Tam (1)

Δ1 - ATP:

Vein (V) orientation <sup>012</sup> T20, 012/20E

- thickness  $\approx$  1m.

- Comp: - banded chalcedony

- Feld. porph clasts

up to 10cm dia 75%

- clasts of clear  
chalcedony  $\approx$  1cm dia 5%

- clear chalcedony surrounds  
porph. clasts in 0.3cm  
band.

- clasts of lb (alt. serp.)  
at edge of vein.

- at least two phases of  
veining; the banding consists  
of white, grayish, + bluish  
layers

Talc alt. serp. (lb)

- Foliated talc alt. serp. with  
large clasts of serp.

- veins of chalcedony cut  
through entire unit making

RAINBOW-  
TAM OSHANTER

824728

(2)

- up  $\approx 20\%$
- veins cut both alt. serp. and less alt. serp. clasts.
- contact btw this unit and vein is marked by an increase in veining, and the less alt. serp. clasts, closer to the contact.

### Coarse Feld. Porph (3c)

- homogeneous Feld. Porphy Feld. Xtds. are  $\approx 2\text{mm}$  in size.
- unit appears to be a dyke cutting the alt. serp. + vein.
- thickness  $\approx 2\text{m} - 3\text{m}$ .
- orientation  $\approx 100^\circ / 50\text{S}$ .

100 ———  
50

### Carb. Alt. Serp (1c)

- Foliated carb. + talc alt. serp.; proportion of carb + talc varies within the pit.

(3)

- clast of less alt. serp.
- , dv  $\approx$  5cm in dia, within unit
- Foliation  $\approx$  040/40SE  $\swarrow$ <sub>40</sub>

- Fault:
- cuts across pit.
  - orientation: 030/25E
  - Fault appears to cut dyRe, and is  $\approx$  // to vein.

A2 ATP:

- Vein (v):
- Orientation: 058/30SE  $\swarrow$
- Thickness  $\approx$  0.5m.
- Comp: - Banded chaledony.
  - clasts of: clear chaledony,
  - + alt. serp.;  $\approx$  20%
  - Alt. serp. clasts surrounded by 2mm layer of clear chaledony.
  - of least two phases of veining.

Talc Alt Serp: (1b)

- Foliated talc Alt. serp with clasts of less alt. serp.
- chalcedony veining throughout unit; veins av 1cm in thickness.

- Possible fault // to vein?

A3 ATP:

Vein (V)

orientation 350/50SE, Y

340/40E Y

Thickness  $\approx$  1m for each.

Vein.

- Comp: - Slightly banded chalcedony
- clasts of Feld. Porph. with av size  $\approx$  3cm; clasts surrounded by 2mm layer of clear chalcedony
  - clasts of clear chalcedony av size  $\approx$  1cm.
  - At least two phases

of veining.

### Coarse Feld Porph 3c.

- Feld porph with feld xtals  
av. size 2mm.
- unit has minor chalcedony  
veining  $\approx$  5% but locally  
veining may be up to 30%  
of Rx.

### $\Delta 4$ ATP:

#### Coarse Alt. Serp. (1c)

- Slightly fol. coarse Alt serp cut  
by numerous chalcedony veins  
 $\approx$  20% of Rx.
- large clasts  $\approx$  20cm dia  
of less Alt. serp in unit.
- Chalcedony veins up to 5cm  
thick; containing clasts of  
Alt serp. + clear chalcedony.

#### Coarse Feld Porph (3c)

- SoS  $\Delta 3$  but less chalcedony

veining  $\approx 5\%$

$\Delta 5$  ATP:

Vein (V)

- Orientation 030/5F /5
- Comp: Banded chalcedony 50S  $\Delta 1$  but the vein mainly consists of white chalcedony and is less well banded.

$\Delta 6$  ATP:

Andesite (2d)

- Foliation 070/20N ↘ ↗
- Carb Alt serp; well foliated, with small clasts ( $\approx 1-3$ cm in dia) of less alt. serp.
- minor chalcedony veining ( $\approx 2\%$ , veins av.  $< 1$ cm wide, but up to 10cm wide locally).

Microdiorite (3a)?

- Fine grained mafic Rx with minor (1%) chalcedony veining

(7)

## Fault

- orientation 054/50S,  $\downarrow$
- separates Alt serp. from microdiorite.

## A7 ATP:

### Carb Alt. Serp (c)

- Minor carbonate in Rx with a carbonate coating on Rx; slightly foliated.
- Numerous chalcedony veins through unit which are up to 3cm wide and compose  $\approx$  20% of Rx.

## A8 ATP:

### Tak Alt. Serp (1b)

- Foliation: 130/23N
- Well foliated Alt Serp. with minor carbonate coating on surface of Rxs.
- Minor Qtz. veining in

(8)

Fractures; Some veins have  
small (2-3mm) qtz xtals formed  
in Fracture.



June 9. Mapping. Rain - Tam. ①

- ATP

A9 Talc alt. Serp. (1b)

- high talc content up to 10% in some parts of outcrop.

- Jointing 010/20 E ↓

- Foliation appears to be parallel to jointing

- ATP

A10 Maroon Intrusive? (6b)

- Feld, Biotite, (Qz?) porph.  
20% 10% 10%

with dark gray black  
Fz matrix.

- saddle in ridge may  
in dicate Fault strike 090°

- unit may form dyke  
parallel to strike of  
Fault.

-ATP

(2)

A11 - Talc alt serp. with carb. coating in fractures; some minor Qtz veining (1% (av. vein width 2mm))

- slickensides on surface of outcrop.  
89° to 120°.

- possible Fault.  $021^{\circ}/90^{\circ}$   $\frac{5}{5}$

A12 - ATP:

- Coarse Feld Porph (3c).

- Feld x'tals up to 3mm long in a black FG. matrix. Rx. is well fractured, and homogeneous.

A13 ATP: possible Fault indicated by bw in Ridge.

## A14 ATP:

Conc Field Porph (3c)

- SOS A12.

- Unit appears to be below  
alt. serp. unit.contact  $\approx$  175/40ETake alt. Serp (1b)

- Well foliated take alt

serp.

- Foliation is parallel to  
contact 175/40E N

## A15 ATP:

Field Porph (3c)

- (SOS A12)

- Low saddle in ridge may  
indicate fault.

## A16 ATP:

carb alt serp. 1c

- well foliated carb alt serp.

with Qtz veining < 1%. (veins up to 1cm wide); clasts of less alt. serp within the alt. serp.

- Foliation 120/22 E, N

June 10. Mapping Rain + Tam. ①

A17 ATP:

- contact btw carb alt. sepp and Feld porph.
- ~~Qtz~~ vein is parallel to contact + btw the two units; (vein  $\approx$  20cm thick);
- minor pyrite min (<1%) in Qtz vein.
- Feld porph is highly silicified at the contact.
- contact + vein orientation 090/55N
- At 9400E/8850N contact orientation 030/25E

June 12 Mapping Rain + Tam. (1)  
- ATP

- A18 - Carb. Alt. Serp. (lc)  
- minor Qtz veining < 1%  
(av. vein width 0.3 cm)  
- well foliated 140/15 E ↘

A19 - ATP

- opening to adit.
- Unalt. Serp. (la.)
- serp with Qtz veining 5%, and Barite veins 5%
- striation on outcrop indicating fault. 043/70 W  $\frac{S}{S}$

June 15 Mapping Rain-Farm ①

A20 ATP

- Biotite porph with biotite phenocrysts; ~~FG~~ gray matrix
- well Fractured.

A21 ATP

- ~~contact of Alt serp above Alt Feld porph. possibly same as Qtz eye porph at midway mine.~~
- ~~probably silicified serp. under Alt serp.~~

A22 ATP

- Biotite porph: coarser grained than A20; well Fractured and homogeneous

A23 ATP

- contact b/w Alt serp + ~~Qtz Feld porph.~~ silicified serp.

②  
- contact appears to be gradational and the orientation of it cannot be determined.

- the Qtz Feld porph is alt to light gray ATP (phyllitic alt?)

### A24 ATP

- Highly alt serp: almost completely silicified.  
pyrite min < 1% ; Qtz veining 1090.

(- Contact btw Alt serp + Qtz Feld porph may be gradational)



June 16 Mapping Rain - Tam ①

A25 ATP

- FG Microchlorite or Andesite.
- very FG, homogeneous, dark gray black unit

A26 ATP

- Feld, Bio porph;
  - Feld Xtals up to 3mm long 20%, Biotite Xtals 1-2mm long 5%. Homogeneous unit with light gray matrix

A27 ATP

- Rounded Feld Porph.
- Rounded Feld? clasts 60% in a gray FG matrix.
- may be old Feld porph?

Δ28 Andesite? chert? ②

- FG gray homogeneous unit; can be scratched with knife

Δ29 ATP

- SOS Δ25

(microdiorite or Andesite) but minor Botif

Δ30 ATP

- Microdiorite?

- similar to Δ25 but more coarse grained.

June 17 Mapping Rain-Tam (1)

Δ31 ATP

- silicified serp and  
marron volc above!

June 23

Wart Prospecting

①

- A1 - This area is cut by numerous cat roads. No bedrock is exposed by these roads, but the roads expose extensive gravel deposits which are composed of:
- Granite, Andesite, siltstones (cherty), Diorite, Granodiorite, and possibly other rocks.
- The area appears to be an old fluvial channel. (clast size sand  $\rightarrow$  50cm Dia)
- The extent of the granite intrusion + possible altu is difficult (if not impossible) by surficial geological methods.

June 26

812633

Loc #26.

Dir to #2 post N  $70^{\circ}$  E

Dist to #2 post 1500 ft

Feet to Right -

Feet to left 150.

Slope	1	Flat
	2	med.
	3	steep

Colour	1	L. br.	
	2	M. br.	
	3	D. br.	
	4		} G/B, O/B, G,
	5		
	6		
	7	Blk.	

Texture	1	good.
	2	Rocky.
	3	Roots.
	4	Sand
	5	Clay
	6	Mud.
	7	on Outcrop.

25 225

~~1A~~ 400

- Azimuth, length

- Map: 1:1000 1cm = 1m

- contact.

- Alt.

- Rx structures (if any)

Comp.:

Trace Cu, Pb, Zn, Sb,  
Ag, Au, Hg, As,

Volc.:

- Litho



July 9, Trenching

TR#1 Az:  $050^{\circ}$   
Length 28m.

July 10 Trenching

TR#3 Az:  $045^{\circ}$   
Length  $\approx$  25m.

- outcrop was not reached in SW part of trench.
- Congl. outcrop dipped steeply and lost at depth.

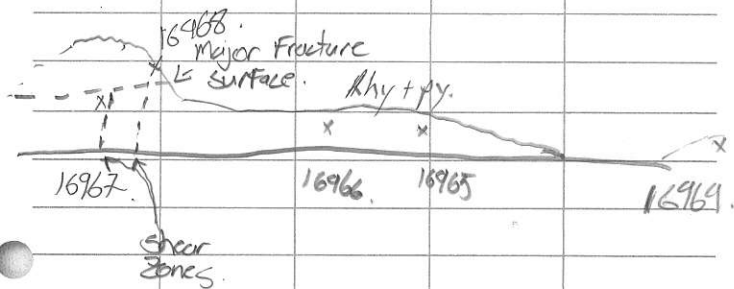
July 21, 1990

Prospecting

- 30.6 Km North of  
Beaverdell on Hwy 33.

- Alt Rhyolite: some minor  
py. min in areas.

X-section:



Fracture planes:

030/80 E

125/15 S.

July 22 mapping. 110E8P

- A1 FG. Intrusion. (Dacite?)  
outcrop.

- A2 - poor outcrop.

- dacite 50% A1 with  
minor chaledony veining

Aug 01

Soil - Tern

	<u>Slope</u>	<u>Color</u>	<u>Horizon</u>	<u>Texture</u>
RY001	3	2	B	1/3
RY002	3	3	B	1/2
RY003	2	1	B	1/3
RY004	3	2	B	1/3
RY005	2	2	B	1/3
RY006	2	2	B	1/3
RY007	2	2	B	1/2
RY008	2	2	B	1/2
RY009	2	3	B	2
RY010	3	2	B	1/2
RY011	3	3	B	1
RY012	2	4	B	1/2
RY013	2	3	B/A	1
RY014	2	1/2	B	1
RY015	1	1	B	1/2
RY016	2	2	B	1
RY017	2	2	B	1
RY018	3	1	B	1/2
RY019	2	2	B	1
RY020	3	1	B	1/3
RY021	3	2	B	1/2

Aug 02/90

Soil Tam

	<u>Slope</u>	<u>Colour</u>	<u>Horizon</u>	<u>Texture</u>
TRY022	2	4	B	1/3
TRY023	1	1	B	1
TRY024	2	5	B	1/2
TRY025	2	1	B	1/3
TRY026	3	1	B	1
TRY027	3	5	B	1/2
TRY028	2	2	B	1/3
TRY029	3	3	B	1/3
TRY030	2	1	B	1/3
TRY031	3	1	B	1/2
TRY032	3	2	B	1
TRY033	3	2	B	1
TRY034	3	2	B	1/3
TRY035	3	2/3	B	1/3