

Aug 27/90 Mapping Athelstan - Jack pot

Δ1 ATP 3 pits approx 1.5m deep
4m long + 2m wide

823576

- Northern pit uncovered no outcrop
- middle pit has ~~Diorite~~ ^{Andesite} and some alt serp in dump
- lower (southern pit) has Diorite in dump.

- Alt Serp: Calc. Alt serp very gossanous \bar{c} 2mm wide calcite veins, slightly foliated.

~~Andesite~~ Diorite

- ~~Diorite~~ Med grained Plag rich rock. Minor calcite and some gray sulfide (Galena?)

- Line Stoo w. Flagged from 0100 to 0115

Sample	BLS 16991	Alt Serp
	BCS 16992	Diorite And.

A2 ATP Subcrop. Granite

- Med grained Qtz phylite
Intrusion, Granite in comp.
- Hblnd min throughout.
- May be an Intrusion /
(Feeder of the mafic volc.??)
- Some Alt serp ssbdl
in this area.
- Sample BCS 16993 Granite

A3 ATP Pit + Trench.

- In pit:

- Qtz v. gossanous 268/85
or 088/85N, \approx 5cm wide.
- py + grey sulfide Arsenopy? min
- Heat Rx in pit.
F5 light gray, Homogeneous
unit Andesite^{Di.}, can be
scratched with knife.
py + min + minor Qtz v
(or is it an alt Amphite).

- Host rock very well jointed. 254/80.
- 125/50.
- 145/40.
- 218/32

Sample # BCS 16994 + BCS 16995

In Trench:

Volc

- Subcrop of Rhyolite?
- unit is FO gray green and slightly brecciated
- abundant calcite min

- Are the host RXS in pit alt Rhyolite?

- The two RXS may be the same unit or a contact btw two units

Sample # BCS 16996

In large Trench:

- Rhy 505 BCS 16996.
- more silicified in parts.

Δ4 ATP Outcrop: Andesite^{Dio.}

- Approx 30m high cliff composed of Andesite.

- Andesite is fine grained, red gray and calcareous.

Unit is gossanous in parts which may be due to Sulfide min in rx. very FG.

- Andesite is well jointed

	} 288/80
major	
minor	

019/85
340/22.

- Grain Size varies from Fine to Medium.

- Some Flat in talus slope is a Tuff / very minor Rhy. \cup

Aug 28/90 Mapping Athelstan-Jack

Δ5 ATP Outcrop Andesite Dio

- Andesite is FG gray overall. parts are bleached white and partly silicified.
- unit is slightly gossanous
- unit is well jointed. 135/64
035/38
110/65

Δ6 ATP Outcrop Diorite.

- Diorite: very coarse grained. 60% Plag + Hornbl 40%.
- minor calc in Fractures

- Sample # BCS 16997: Diorite.

(- Outcrop may be subcrop? boulders slightly rounded. jointing not consistent btw boulders

Δ 7 ATP Trench outcrop of
Vol ~~Basalt?~~

- very FG Black Homogeneous magnetic Rx.
- ~~Consistent~~ on weathered

- Sample # BCS 16998 Volc Basalt

- Jointing 028/88.
264/50
314/78.

Δ 8 ATP Subcrop Alt Serp.

- very siliceous serp, magnetic + minor carb.

- Sample # BCS 16999 - Alt serp.

Δ 9. ATP Subcrop Alt Serp.

- Alt serp: silicified & minor py min < 0.1%, slightly foliated

- Sample # BCS 17000 Alt serp.

- Foliation 360/22? in place?

D10 ATP Outcrop Unalt Serp

- Serp: Green homogeneous unit. No visible sulfide min

- Greasy lusture, soft.

- ~~Alt~~ Serp: Crossanous \pm Qtz veins, silicified.

Line	From	To
8 W	BL	0+75
7+5	BL	2+75
7	"	3+75
6+50	"	5+75

Mapped

5+50	BL	3+00
500		
4+50 =		

400 - Do Aug 28/90.

350 -

300	BL	7+75
2+50	"	"

1+50 W " 6+75