

ARROWHEAD 6/3/8/6  
Area 4

13-1 Fairly large area  
of diorite float (large  
angular boulders).

≈ 1/4 mile E of camp.

Elevation ≈ 400' above

lake. ≈ 100' W there  
was a large boulder  
of syenite (?) with  
large amt of Tourmaline  
May be pegmatitic.

- Beds on W side of N  
end of lake (Arrowhead)

≈ 310

25 W.

015560

010 - Bedding in  
45E

pure black cherts  
1<sup>st</sup> outcrop on <sup>N<sup>o</sup></sup> creek  
E of camp.

D-2 - Green chert - as  
above. Black, green  
& maroon cherts  
mixed.

Fault  
unconformity near  
top of first outcrop  
at 040  
35E.

Cherts rusty, weather-  
ing in places. Small  
am't FeS<sub>2</sub>.

020 - further up mt.  
35E

140 - Crumpled  
55W

cherts and slaty  
interbeds. 50' down  
ath. is  $\approx$  020  
35E

140 - Further N.  
75W. above fault.  
Still cherts, volcanic  
float in talus (few  
pieces.)

165 - Outcrop to S  
50W of above cherts  
More massive.

075 - 100' E of last  
20E

Reading. Near ridge.  
Pure gray chert. Beds  
1-8" thick.

Top of ridge. Small  
shear 350. Limestone  
1 90

+ chert breccia  
crosscutting beds.

070  
10E

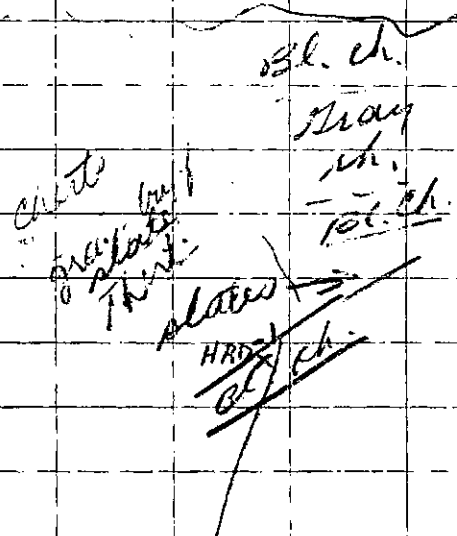
50' S - 000  
75W

very broken slates

4 harder weathering  
cherts

000 - Cherts further  
85W S.

Section from N  
area - going W is:  
1 from river entering  
from E



HRD-1 Top of cirque  
E of ramp.

HRD-2 - N. side of  
creek to S of ramp.

000 - flattens for 50'  
55W

to the E & then  
sleepers again.

2/monoclines. Contorted  
shales & slates.

Near junction with  
creek ~~from~~ S. 1st  
breccia appears  
to unconformably

Overlie gray cherts.  
Chert in breccia is  
gray.

Could be a fault  
breccia. C<sub>2</sub> so  
fault dipping to  
W at  $\approx 40^\circ$ .

Breccia extremely  
rusty in <sup>2<sup>nd</sup> from top</sup> ~~middle~~  
outcrop.

Seems to strike  $\approx 310$

Breccia at least  
10' thick.

$\frac{010}{45E}$  - chert in  
S tril.

340 - Chests - N  
70W - 90° strike

Track may also be a fault.

HRD-3 - Gray clay just above junction

HRD-4 - Same 10' S except rusty here.

HRD-5 - <sup>silt</sup> from stream bed 50' W of junction

1/8/67 EMERALD L.

5 creek on E side

Emerald L. Check on

Art Lakes'  $MoS_2$  show

Fractured ~~granite~~ <sup>syenite</sup>  $MoS_2$   
in syenite  $\approx 2'$  from

contact. Syenite is

very crumbly. Some

arseno also. Show

is  $\approx 2' \times 1'$  wide.

Syenite appears to

be  $\approx 50\%$  Quartz +

Nornblende near

contact. Contact

is uneven. Swings

over to next creek

from here. 50'

further E, granitic

dike  $\approx$  10' wide cutting  
beds (which aren't  
greatly disturbed) at  
310 for  $\approx$  100' visible.

Small gts (peg.)  
dikes also cut beds.

beds are gtzitic R<sub>+</sub>,  
altitude  $\approx$  on beds

050  
50SE

353- - Altitude in  
40W

N creek  $\frac{2}{3}$  way up.  
Better reading contact  
is in center of creek  
until first massive

outcrops. Then dips  
under 9 swings  
to N. Hill at the R.

000 prominent joints  
75° N

in fissure

Contact swings in &  
out of creek bed.  
beds partially  
assimilated in some  
places (zeroeth) but  
other places contact  
is very sharp.  
Intrusive cut by  
smoky gty. dikes &

syenite dikes cut  
beds conformably in  
other places (Gunnison).

- D-4-1 - greasy qtz  
float + telluride? +  
chalc. ? 1/2 way up  
slide E of camp.

- 50' further up slide  
4 lb. hunk of  
syenite - qtz float  
with a g. Moly in  
qtz & syenite. Flagged

- 300' W of first ec.  
in creek. Piece of  
float  $\approx$  50% FeS<sub>2</sub>  
9 Fe,  $\approx$  5. May have  
Cu. Flagged.