

August 17th 1966.

Traverse south of Pelly Fales Area (15 miles) to check mag anomaly.

TSB 1 Hill top at landing place.
Red-yellow soil. Rock is
grey-green shale @ 115° ; 90

TSB 2 400' south of above.

TSB 3 200' south of TSB 2 in
area of chert & mica soil.

TSB 4 500' south of 3.

5 300 south of 4

6 summit of small ridge
200' S of 5. Mica soil @ 115°
& east.

7 200' S of 6.

TSB 8 200 East of 7.

9 200 E of 8

TSB 10	200' east of	TSB 9
11	"	10
12	"	11
13	"	12
14	"	13
TSB 15	silt. from stream	75' east of (14)
TSB 16	Soil, 200' e of	14.
17	Soil 200' e of	16
18		17
19	"	18
20		19
21		20
22		21
TSB 23	200' north of	22
TSB 24	500' NW of	23
TSB 25	200 "	24
26	"	25
27	"	26
TSB 28	300' West of	27
29	"	28
30	"	29
31	200 "	30
32	200 "	31 and 100'
	east of sample # 1	

August 19th / 66

West end of Pike Group

TSB 33 stream sed.

+ TSB 34 soil 200' S

35 400

36 600

37 800

38 1000

39 1200

40 1400

41 1600

42 1800

43 2000

TSB 44 2 2900 S

45 3100

46 3300

47 3500

48 37

49 39

45 41

46 43

47 45

TSB 48 5900

TSB 49 6300

TSB 50 6800

+TSB 51 7000 S

52 7200

53 7400

TSB 54 8300

55 8500

56 8700

57 * 8900

92+505, Clin @ 120°

TSB 58 115 00 S

59 120 00

60 122 00

61 125 00

62 127 00

63 129 00

small Lake to W

64 139 00

65 141 00

66 143 00

67 145 00

68 147 00

69 149 00

70 151 00

71 153 00

72 155 00

73 157 00

Crack 100' SE

74 1600

TSB 75 > 16200' S.

76 16400

77 16600

Large marsh
with lakes, 400' W.

Aug 20th. Trav. S side
Pelly L. West lake
Start on Ridge

TSB 78 0 area of gty, purple
outcrop

79 100 W

80 200 W

81 300 W Vicinity between
gty, purple + Slate or
argillite @ 70-75°.

Jan in Slate is vert +
strat at 75°. Purple is to South.

TSB 82, 600 W

83 900 W

Slate terrain (?)

900-1100 other area of
purple or gty

84 1400 W

85 2200

TSB 86	2300 W	rust soil
87	2600	grey brown soil
88	2900	"
89	3200	"
90	3500	"
91	3800	"
92	4100	"
93	4400	"
94	4700	"
95	5100	"
96	5400	"
97	5700	"
98	6000	"
99	6300	"
100	6600	"
110	6900	"
TSB 111	7500	"
112	7800	"
113	8300	"
114	8600	"
115	8900	"
116	9200	edge of lake; head of bay
117	9500	creek
118	—	sed from above creek

Aug 21st / 66

Pennsylvanian Lake Area

TSB 119 Mountain slope 500' NW of
chopper landing place. rusty soil

~~TSB~~
TSB 120

1000' N ~~TSB~~

121 1500

122 2000

123 2500 Creek 2700

124 5400

125 5900

126 6400

127 6700

128 7300

turned W

TSB 129 2000' W red-brown

130 2300 W

2500 W turned S

TSB 131 1300 S red brown

132 1500

1900' S stream

TSB 133 2400

TSPB	134	3100'	S. E. reddish
	135	3400	
	136	3700	
	137	4300	
	138	4700	
	139	5700	
	140	6600	
	141	7200	
	142	7600	
	143	7900	tuned W.
		$\frac{1}{11}$	
	144	700'	W. (Lake 300' W.)

followed lake 2700' to old
cabin.

145 picked pit near cabin.

Aug 22/66

West of Ptarmigan Creek

TSB

146 at deep of mt. N slope.

147 300' ~~at~~ N

148 600

149 900 (soils silt from small canyon)

150 1200 "

151 1500

152 1800

153 2100

154 2400

155 2700

156 3000 near o.t.s., nearly clear a
edge of gulch.

157 3300

158 3600

159 3900

160 4400

161 4900

162 5400

163 5900

164 6400

165 6900

166 7400

167 7900

168 8600

TSPB	169	9200	N
	170	9700	
	171	10200	
	172	10700	
	173	11200	
	174	11700	
	175	12000	
	176	12500	
	177	13100	
	178	13500	maybe glow. stop.
	179	14000	
	180	14500	
	181	15000	
	182	15500	
	183	16000	
	184	16500	
	185	17000	1000' to storm. River & picture pt.

Aug 23/66

Risky showing area.

~~FB 186~~ flew around. Too gusty to land.

Aug 24th/66

Risky showing area. Let off at south end of area. Rocks in cirque wall here are Lemay quartzites + sandstones, light grey weather, and at att. $220^{\circ} S 31^{\circ}$.

Well banded in places but some of the larger beds are massive.

100' due east of the above outcrop and up the side of the cirque is one of laminated LS + dolomite. Cross bedding suggests overturning of strata ~~is~~ (top down) but this not positive. Beds are light grey + dip at $100^{\circ} S 31^{\circ}$. Possibly minor break between this one and previous one.

Conformable to above, but lower section is brownish weathering LS with patches of siderite + disseminated galena.

Sphalerite + pyrite in small quantities.

Just below this horizon is a zone of rusty hornfelsic rock. It appears to be distorted & no at all possible in places it is bright green & contains pyrite & pyrrhotite. Grain size fine-med.

It appears to be strat below the LS but may not be strat controlled as there is shearing in vicinity further south along cirque wall. Att of shear zone is 74 ± 65 . Another shear zone near head of cirque is at 90° + vertical. It's quite narrow.

Rocks in sheared area are dark to medium green - greenstones or altered ^(skarn) sediments containing chlorine sulphides & weathering quite rusty brown. They are essentially massive although in places what could be relict bedding is seen in them. Also may be some brecciation & breccia filling on minor scale.

From head of cirque two large gorges are visible on north slope in addition to the one on the south-east side.

Above the gorge at head of

crigne rock is very light grey chert.
quite blocky granitic and ~~at~~ horizontal.
It is in gradational contact with darker
green - brown weathering rock below it.

North along wall of crigne this material
is bedded at $70^{\circ} N 15$.

Above this is band of rust weather
limestone + siderite

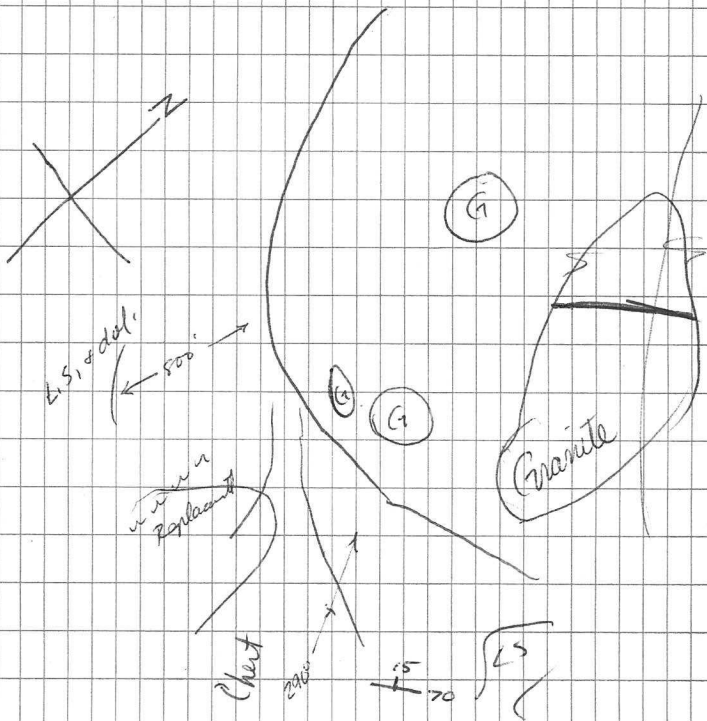
At eastern extremity of crigne is
area of grey granite - massive -
medium grained. Pyrite sometimes
present - porphyritic texture too. Diasem
pyrrhotite present also in granite

Granite is in contact with chert
& siderite on ridge. AH of beds $115 N 44$

Gran extends along ridge to W
for about 400' then is in contact with
chert quartzite etc.

At end of ridge is rust patch in
grey chert containing fine stringers + ~~pl~~
blobs of pyrite.

Ridge above main crigne with
crack - ~~to~~ chert @ $120 S 53$



Creek bed below and to the east of
above ridge. Rocks in question are
are cherts, grey granite boulders etc.

Highest etc is grey green calcareous rock.
Hard & fine - prob some kind of skarn.

"Vein" is in vicinity of tree line. Hard to
say whether it's really a vein. Host rock is
grey green chert or skarny chert. Somewhat
contorted but one att is 155 N 65.
This weathers grey green in creek. Vein
weathers brown.

Est. ~~att~~^{strike} of vein is $\approx 160^\circ$
but as most of rocks are probably moved
this may be inaccurate.

No def etc in creek bed above
vein & neither contact is seen. Est to be
at least 4 or 5 ft. across then.

The "Vein" occurs on cliff face
south of creek.

Here it appears to be a
mineralized shear zone still
striking at 160° and dipping vert or
close to it. - It contains pyrrhotite, a
little galena & maybe some

Sphalerite. East contact not visible.
West contact is indistinct & ~~good~~
sort of gradational.

Host rock is same as below but
as it approaches shear it ~~do~~ gets
darker green & begins to weather
rust instead of light grey.

Shear can be traced vertically for
200' at least and at top is at least 8' wide.
Zones to go under overburden. Also
sprays near top.

Aug 25th

AM Chopper traverse east of
Pelly Lakes.

TSB 189 1st NW of Nauchulla
brook (105 H). Sheared
quartzite with some LS
& possibly skarn similar
to Kishup showing. Soil
from North slope.

190

Same location as above
but soil from NW slope.

75B 191

Rust seep area in
left fork of Narcissus
Brook (1051)

192

Main stream same loc.

193

Rust seep Ptarmigan R
4 miles from Belly L.

194

Silt same loc.

X

PM Chopper Travene

186 Crossed Belly R SW of
Wolf Canyon.

187 River silt. same loc.

188 Organic gosses from above
Wolf Canyon on Belly. Also
pyrite stain area.

1
TSB 195 Ote area trending at 80°
just 4 or 5 miles S of Welly L.
to Rock chips. Rock is
cherty argillite with rust
stain + sheared.

TSB 196 Brown soil from above loc.
Below ridge. (Should check soon).

TSB 197 Rusty soil from low ridge
above ote area.

Ridge above to S is well lam
Sen. schist etc @ 134° S 70

TSB 198 Right fork of creek
East of Fustin Lake

199 Left "

200 South stream on same
structure.

201 Soil from above loc.

TSB 202 Silt, Fortin Creek.

203 Clay from near
gossan Fortin Cr.

204 Stream sed gossan
area, tribut from W to
Fortin Creek.

205 "

206 Rusty stream sed. Fortin Creek.

~~206~~ 207 Stream sed. fine active zone
Fortin Creek.

208 Rust seep - S end Fortin L

209 Stream sed same loc.

210 Rusty swam N end

211 Fortin Lake.

212 Seep N side Pelly L -
drain.

213 Rust seep S side of Pelly
Lake drain - upstream from
212.

8

- 7513 214 Rust seep stream flows
into Wind Pelly C.
215 Sed. same loc.
216 ^{Rust seep.} Much from creek 10
Miles South of Pelly Post.
217 Silt from above lock.
-

²¹ Monday Aug 29th/66

- 218 Slate creek. South of
Pitca group. Rust seep.
219 Slate creek. Rust seep
South of 218. Just south
of N dipping beds.
220 Rust seep on mscg
Anom East of Granite
range.
221 Granitic sed from creek.
Same loc. Creek to W of 2.

- TSB 222 Fair Gossan.
From well area.
- 223 General area.
- 224 Spring to 5 10'.
- 225 Pass in granite.
- 226 Range N of McEboyle.
- 227 East side of above pass.
- 228 Shear seal. gran.
- 229 Gossan on E side of
- 230 } Range N of French
- 231 } Camp, 30' up str.
- Clay (brown)
- 232 2 miles NW of 231.
Gossan.
-

Tuesday Aug 30th /66

TSPB 233 Soil from vicin
gossan at summit
of pan W of Plum Creek.

TSPB 234 "

Sept 2nd /66

TSPB 235 Granite cont north
of McEwog Lake nr.
west end.
Mr etc on slope
above cont.

236 Gully at cont.

237 200 in. wide gran
cont.

Sept 11th.

Barite vein. @ 205° T
across ridge.

TSB 238 Soil from vicinity
Barite ore at N end
of ridge.

~~239~~
TSB 239
240
~~241~~

Down slope to N
from above.

TSB 241

Vein near base of
slope on ridge
south of above.

Barite occurs in at least
2 veins + possibly 3 on
Mtn just west of N end
France's Lake.

Vein on north ridge is at
 205° + vertical (probably)
+ of undetermined length
(5 - 20' though) ©

South of above + near base of
slope is another area of barite.
Several outcrops or near out-
crops scattered around. Possible
strike of one vein is 200° but
other areas scattered around
nearby may indicate larger veins.