004008

Pool Group planetabling

p. 90 – Ajax No. 5 adit & BROW to Brow adits. π JT.
176–178 – Brow adits to 5-mile creek. π R.K.
179–184 – BROW down ridge to vicinity Nettie #1 "
185, – Ajax upper workings. "
186–187 – Follow Netax fault N from upper Ajax "
187–189 – Nettie #1 along lower rd to Ajax "
189–190, 195–197 – Nettie #1 down road to Gyp "
(190–191 – Cruising Nettie–GYP area)

See also large N/B sheets asfollows:–

p. 95 – oct. 3/56 – Brow area checking.
pp. 114, 115, 117 (rev. of 114), 122 – Checking & plt Ajax to Nettie #1 along upper rd. — π BLB
p. 192 – Mapping BTT above Ajax & cross-tying surveys
– BTT cruise 5 below BROW

file under
Ajax
82KW099.

Aug 13'58

IXL sheet

Flashlight for GYP

Pick

Tue - Sept. 4
Ajax-Brow plt
Set Δ 22 & shoot Δ 15 in front of Ajax No. 2.
⊙51 - 7½' at 285° fr ℄ of rock portal of Ajax No. 3. - blk slaty chert; gentle W dips at portal, but rolls over to E dips a few ft inside - may be an a/c, but prob. due to hill creep.
⊙52 - 57' at 268° fr present portal of Ajax No 5 (Burns' No. 3) 30' to 1st set of old timber. (Adit is open).

Set up ⊿ BROW, orient on NETTIE, shoot FERGUSON & GT NORTHERN for checks, then draw compass N.

Re-orient magnetically on decl. 23°20' line & shoot Δ 23 uphill.

π Δ 23
⊙53 - topo
Δ 24

π Δ 24
Δ 25 - just over rj crest.

π Δ 25
Δ 26 - sly down S slope
⊙54, 55 - topo.

π Δ 26
⊙56 - topo
Δ 27 - downslope S, a little past timber into burn.

π Δ 27
Δ 28 - ℄ down to E.

π Δ 28
⊙57, 58 - topo
⊙59 - 5' SW of W end of 15' °/c of chert
Δ 29 - st. downhill, at head Brow adit's draw

Wed - Sept. 5
Ctn Brow plt. clear & warm.

π Δ 29
⊙60 - topo
⊙61 - 5' above 10'x5' trench in orb.
Δ 30 - down on rt of adit's draw.

π Δ 30
⊙62 - 12' short of cr of Ajax gze; 19' uphill to NW cr of °/c; 50' at - 302° along base to ℄ tip, very large repl. by vein qz, but sp. 154 of a remnant shows it is typical Ajax.
⊙63 - 30' at 260° fr °/c of fine grn grit & phyl, sp. 155, ext 15' NW E. Much contorted & r uncertain, but seems to dip gently N or NNW.
⊙64 - 4' in front of rock portal of upper Brow adit. Rock appears to have been chert, now largely repl. by qz, sp. 156.
Δ 31 - down below upper adit.

π Δ 31
⊙65 - top of °/c of Ajax, sp. 157, ext. 7'E 8'W.
⊙66 - base of this °/c, ext 4'W & 15'E, st. appar. Ajax. Actually base of °/c ext's 15' fwd Δ fr ⊙.
⊙67 - surf pt. set by undg. survey at portal of lower Brow adit.
Δ 32

π Δ 32
⊙68a - 100' at 302° fr N cr of °/c dm on SW limb of Ajax gze.
⊙68b - on same log as 68a, but 15' E, nrly on line to cr of °/c.

July 16'58

Cumy :2, hot. Start ~~Kettle~~ Pool Gp mapping with p/t tracing of fms across 5 mi ck.

π Δ31

⊙84 - NW end of °/c & 10' W of lower Brow dump. Rock is sheared Triune chert; f. var, but qz veinlets show ⊥ is effectively 055° 32 NW

⊙85 - tape on ∠ of slope, or twin big trees on E edge of grn strip °/c of ⊙84 is interrupted by dump draw but resumes in 45' ^ at 100° fr ⊙, where f. 080° 32 N. Fr here a narr. band of °/c of cherty sl, mostly grey & dipping gently into hill, runs up to 10' shy of Δ. Ajax qcc °/c 3-6' NE of ⊙.

Δ42 - base of °/c, on Triune chert, ct. with Ajax is 20' uphill ⊥ lofs. °/c is a strip going 5' more uphill.

π Δ42

Δ43 - along hillside

⊙86 - 7' past end 10x20' °/c of dk grey chsl, 20' N lofs.

⊙87 - base of 7x7' °/c of Ajax.

π Δ43

⊙88 - 10' off SE end of °/c area of Ajax, perhaps 80' long, & abt 20' short of projcn of NE edge, which is prob. NE ct.

Δ44 - base of °/c of grn gritty phyl. of ∠B, weathy sly rusty, closely df, appar. for °/c SW; effective dip is down plunge.

Brow - 5 mi ck prgrm

Fill in hole - trace cts. thru.

Tie Brow portals together by tape & compass; map upper if open.

Tie in " E post to Eddie's Δ 18

Check scribing on Brow post nr ⊡ BROW.

Cruise with chain S & SE rd ∠ of ridge fr grn bluff to ⊙85.

July 17'58

Rock at upper Brow rock portal is Ajax qcc, sheared at approx 280° 80S & largely repl by vein qz which carries pockets & lenses of py. Since both adits caved agn, did not tie them together with RTT. Poss. a little Pb bloom at upper adit but no vis gal. or sphal. Take spl

July 17 '58

cumu's, hot

Cta plt twd 5-mi ck. (for Brow adits see p. 176)

π Δ 43

Δ 45 - down along slope

Δ 46 " " " - 20' due S of small °/c of Ajax.

π Δ 45

⊙89 - N edge of 15x20' °/c area of Ajax. Scattered small °/cs also S or bldrs down to a def °/c of Ajax 10' at 255° fr ⊙90. Some of this rock is siliceous phyl resembling Sharon Ck, but it may not be °/c. 47' at 230° fr ⊙90 to top °/c of Triune blk/chsl. Put Ct. in mid of interval, only level.

⊙91 — 45' at 320° to small °/c of Ajax; 34' at 205° to top of °/c of Triune chsl.

π Δ 46

⊙92 - on 10'x10' °/c of Ajax. More Ajax, float or °/c, to uphill.

Δ47 - Up nr adit

Pace out at fr face of adit:-

fn ~~at~~ 20' is 095° 50 N (sp³ fr face)

30' - 2' gouge & ▽ zone puts these rox in ct. with Ajax.

40' - 50' - shear & ▽ zone in Ajax, which fr 30' is much inj by qz. At 50' it seems to overlie soft blk phyl, fn 355° 25 E. - prob r. This phyl is abt 7' th. & underlying Ajax-like rock, sp 4, is waist high at 65'. (Out brg of adit chjs to 238° at 50').

80' - back in blk phyl, 015° 35 E fn. Also back to 230° out brg.

100' - chj to 224° out brg.

100-120' - Ajax qze. Fr 80' out rocks are sliced by many ▽ shears & inj by consid qz along them.

ct. at 120' seems to be a bedded shear, 325° 25 NE.

140' - chj to out brg 195° & go 14' at +30° to top of cave at rock portal. All phyl. out here.

π Δ 47

⊙93 - this top of cave at rock portal.

Δ48 - top of adit's dump.

⊙94 - 5-10' L of small °/c Ajax qze.

⊙95 - Base of °/c area of Ajax qze ext. 30' at 330°, 10' wide.

July 18 '58

camw. 4, hot. Ctn p/t twd 5-mi ck.

o/c of Δ 44 is 40' along hillside at 275° & 30' h & r across.

π Δ 48

Δ 49 - 20-45' at 285° to top of 10' wide bluff o/c of Ajax qze - prob. just abt on upper ck. small o/c of " 20' at 110° fr Δ.

π Δ 49

Δ 50 - top of o/c of Ajax, essentially ctuous fr W of Δ 49. 24' at 020° & +42° to base of bluff of lyt to med grey grit & gritty phyl., ∧ 068° 35 NW, somewhat var. Df plunge 25° WNW & are fairly uniform for o/cs.

Cut by 2 minor sheears dipping N

o/c exts 10' L & 40' rt of measurept,

30' h uphill at E end.

π Δ 50

Δ 51 - across 5-mi ck

Δ 52 - " " " " lower down.

Fnd anoth. old adit, completely cared, treading 920° Fr approx portal it is 37' at 190° to ⊙ 96, which is also 16' below floor. Dump small & completely overgrown. Ajax exp. at rt portal. Actually a boy could squeeze in.

π Δ 52

⊙ 96 - 20' short of small o/c of Ajax,

Δ 53 - down across ck. On blocks of Ajax which are essentially o/c. Ck runs 219° nrly.

π Δ 53

⊙ 97 - 12' short of top of o/c of Triane chsl, f? 295° 15 N.

π Δ 51

⊙ 98 - 20' past ck at 20' below LB o/c of siliceous grn phyl. & 30' above o/c of Ajax qze.

⊙ 99 - wedge of 20' wide 70' long spring sap, 10' past base. 60° L lofs to 5th mi ck.

July 19'58

cumu ·4, deeply hazy hot

Hunt vainly for BROWN claim post. One nr ▽ has BROWN on S No. 1 Fr. on W. Other 2 sides too charred to show scribing. Setup on ▽ BROW, orient on FERGUSON & NETTIEL, & check decl. of Sept. '56.

℞ ▽ BROW

⊙ 100 - topo.

Find post scribed A Jar abt 17.5 100° of Brown-Neil post

△ 54

℡ △ 54

⊙ 101 - topo.

Eddie's ℅ of △Z is good ℔g med. grey ∠6 grit. His ℅ of Q6 is chowdered silty dk grey arg & phyl, evidently into fault zone.

⊙ 102 - topo on rj down for Q6.

△ 55 - edge of timber

℡ △ 55

△ 56 - down in timber.

⊙ 103 - topo, 20' left & 40' short of rj of ⊙102. Also edge of timber.

July 21'58

clear, hot & hazy

Cfu p/E fr ▽ BROW twd Nettie L ridge.

℡ △ 56

⊙ 104 - rubble of vein qz, 25* short of big chunk.

⊙ 105 - topo.

△ 57 - 30' at 255°. to small ℅ of rusty vein qz injecting sheared, sil, grey or lyt greyish-grn phyl. ^ Qz is ▽d in part. No sign of mzn.

℡ △ 57

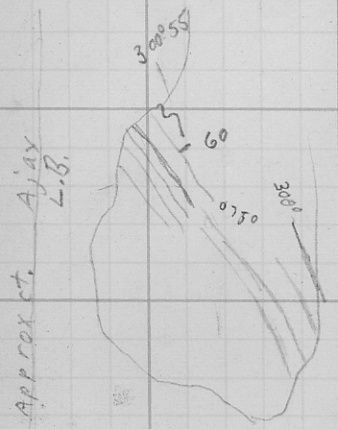
⊙ 106 - topo.

⊙ 107 -

△ 58 - out on start of Nettie L rj.

℡ △ 58

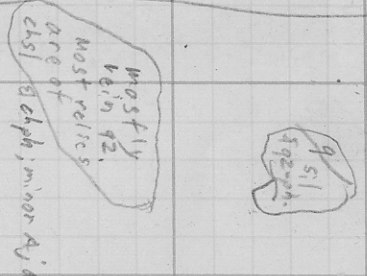
⊙ 108 - NE edge of ℅ of lyt grey grit, & med to dk grey phyl. grit ext 40' back along l of S & 20' SE. Somewhat inj by qz as ~~Q6~~ nr △ 57. Abt 70' farther along l of S to 10' x 20' ℅ of Ajax. ∫ in grids nr SW edge ℅ is 075° 60 W & has df 300° 55°.



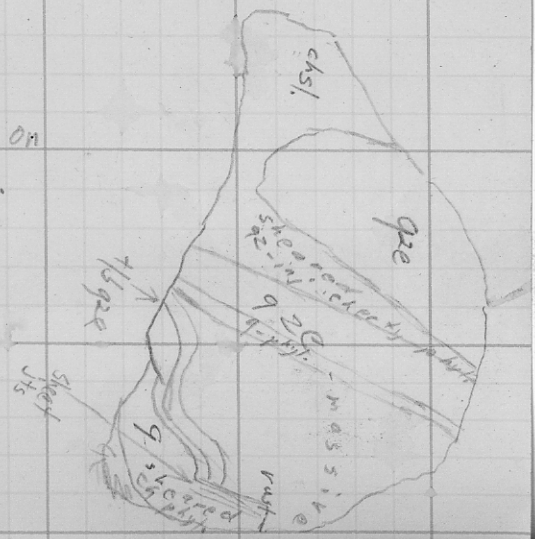
⊙109 – topo in small draw.
⊙110 – "
⊙111 – "
⊙112 – ", abt 80' short of Nettie ct
⊙113 – " 35' " " " "
⊙114 – top end of 5X20' % trending 275°. Contour runs 100' due N to a cr. ⌐050° 75 NW, cl. 345° 70W. Rock is ¿/b dk grey qze, siliceous blk phyl., & med grey grit.
⊙115 – topo in what looks like a little scarp basin.
⊙116 – topo in draw of ⊙109.
⊙117 – " on brow of rj.

July 22
Cumn cl; warm & humid.

sketch Eddie's most NE % (large) of Ajax in plane of hillside: →



TM Δ58
Δ59
⊙118 – head of draw coming up sof °/cs!, turning as it gets up on rj; 30' beyond to axis of draw proper. Also abt on ct. betw. chph & ⌐B grey phyl.


chs!
qze
sheared chl-sr-ser-ankerite qze
qze
qze

July 22 ctd.

⛫ Δ 59

⊙ 119 - base of °/c of LB grits & phyls ext. 20' twd Δ. 31'h & - 12'r at 210° to approx intersec'n of base of LB with NW-str. fault. Base °/c follows this 210° line 15' then runs SE along hillside to 30' fr ℄ of draw where a 10' band of qz-repl. chert, chsl, & qze runs down to presumed fault.

⊙ 120 - 20'h, - 10'r at 255° to approx intersec'n base of LB with above presumed fault. Trace of ct. runs 285°; abt 4' of dk gra phyl, sp 5, at base here, the not noticed across fault, overlain by rather sheared phyl. med grey grits. ∩ 275° 65 N. Actually there may be up to 6' of buff-weath'g grits below gra phyls.

⊙ 121 - tip of 5' wide °/c of dk grey phyl. grit ext. 40' at 295°; ∩ 047° 40 NW.

⊙ 122 - C of 10 X 10 °/c of lyt gra phyl. grit, f'n; prob. ∩ 280° 55 N

⊙ 123 - topo on brow of rj. 20' at 285° to small °/c of grnish phyl. grit, f'n 080° 70 N, ∩ Δ 60 - NE cr of 10 X 20 °/c of med grey grit; f'n, prob ∩ 080° 55° N.

⊙ 124 - topo.

⛫ Δ 60

⊙ 125 - brow of rj, 5' N of small °/c, 10 x 10, of lyt grey t/b grit, f'n 270° 65 N.

⊙ 126 - Spray-topped snag on nose of rj.

Δ 61 - Down to NW

Δ 62 - " " S.

July 23

Camu -3, warm. Bert Hendy of Castlegar in jeep lic. No. C13-4200, with Dr. Smythe. Follow Ajax NE ct. with p/t.

⛫ Δ 62

⊙ 127 - N cr of °/c of LB, most N'ly shown by Eddie. silty grey arg. here, strongly ld with chloritic partings. ∩ 105° 40 NW.

⊙ 128 - 20' past this °/c of Eddie's & approx on base of LB ct. other edge of °/c is 20' fr Δ along this line & 7' downhill fr Δ. 120' at 320° to tip of °/c.

⊙ 129 - 40' left of top of LB °/c, here only abt 25' wide. At top ∩ 11 f'n = 285° 65 N, with little df for °/c S. t/b phyl. & siltite.

Δ 63 - down to SW.

⊙ 130 - topo

π Δ 63

⊙131 - 5' rt of NE cr of ℄ of Ajax gze., 10' wide.

⊙132 - in tr in dr running 50' at 085°, 35' at 260°. 15' at 320° to SE cr ℄ of ⊙131.

Δ 64 - E edge of another ℄ of Ajax gze. This edge turns to 325° at Δ, runs to tr, then offsets 20' downhill.

⊙133 - NE edge of this same ℄.

⊙134 - 19' left of base of LB ℄ of Δ 62 etc. Lyt grey grit with some blk phyl; closely df; ∧ 080° 35N approx.

π Δ 61

⊙135 - S edge of ℄, 10' wide, of grey gritty phyl., f°. 045° 90N running down fr ⊙126. Ctus abt 40 more downhill.

⊙136 - C of 10x30' ℄, trending 315°, of blk med grey grit, ∧ 280° 50N

⊙137 - SW cr of ℄ of lyt grey grit, f°. 280° 60N Exts 25' at 080° & 20' along l of s.

Δ 65 - on ℄, ext. 10' twd Δ 61 on l of s, 12' left, some dist down rj, & over to rj brow on NE. Closely df, so effective ∧ is 030° 30 NW. f°. approx. 275° 45N. Rock is lyt grnish-grey phyl. grit, ctg. a 5" band of gs.

July 24 '58

Cloudless & hot. Ctu p/t down rj twd Nettie shaft.

π Δ 65

⊙138 - 20' past edge ℄ of Δ at abt 15' fr SE tip.

⊙139 - topo on end of rj of ⊙135, 136. 30' at 340° to small ℄ of poorly ∧ buff grit & phyl. grey grit; f°. 085° 50N.

⊙140 - ~~E~~ edge of ℄ of Δ on brow of rj. W cr. is at ⊙141 with slyt bulge betw. S cr. of ℄ is 30' due S of Δ.

Δ 66.

π Δ 66

Δ 67 - 15' at 250° to SE tip of ℄ of lyt blaish-grn grit.

⊙142 - just over brow of rj.

π Δ 67

Δ 68 - essentially on E edge of ℄ of Δ 67.

Δ 69 - down across small bench.

⊙143 - topo.

℄ of Δ 67-68 is actually a rudely ℄ area; med grey phyl. grit, f°. 270° 75N, where at road face crosses line 25' SE of Δ 68. & runs to it. Mostly area is 10' SW of line & is up to 30' wide.

July 24 cont'd

Tr Δ68

⊙144 - topo.

Δ70 - 5' short of 5x5 % of phyl. dk grey siltite; f": 275°65 N. % area comes to a pt 25' at 295° fr Δ68.

Tr Δ70

Δ71

⊙145 - topo.

July 25

Tr Δ71

⊙146 - 10' at 250° to small % of dk grey phyl. siltite, closely df along 295°30, so that effective dip is approx NW.

Δ72 - 10' past E edge of an % area; med to lt grey grit here. SE end of this % area is 25-75' at 198° fr Δ71.

Tr Δ72

⊙147 - 25' at 215° to ~~base~~ SW edge % area, here trending 125°. Rock here is lt grey, somewhat phyl. grit, closely df for % SW.

Δ73

Tr Δ73

Δ74

⊙148 - just over brow of rj @ abt 20' short of NE edge of % area. Rock here is med. grey phyl. grit with some % med grey phyl. siltite. fs ranges fr 280°80N to 290°70N, but as elsewhere these LB rox are closely df & effective ρ is near 270°90N. Exps. nr Δ74 suggest this est. of effect of df may be conservative. Trace of one bed over 7' on nrly level gnd ½ way betw Δ73 & Δ74 is 085°.

Tr Δ74

Δ75 - Down nr old Δ40 & Nettie shaft hse. One of Holland's bands of Ajax on this rj is def a bldr; the other is an unusually massive band in LB, but thin ρ can be seen in it.

Tr Δ75

Δ38 - tie-in, 62' out. Shift Δ74 & Δ75 to agree with Blair's survey. ~~Make~~ Orientation on magnetically but tie to Nettie 4 carry off 5° or more fr Blair's.

Δ75 .5 10' past 1x4' exp of rusty rein intl. 15-16½' at 110° to spot % of sheared Ajax qze. Fr 15' pt 6½' at 065° to C of 2x3' % of rein intl, q-11' to sheared grits on NE.

July 25 ctd

Π Δ75, ctd

⊙149 - ℄ of wall at housing ℄ 2-6' fr shaft or air rse.

⊙150 - sw ct. of Ajax qze ℄ hip of %; 12' at 065° to pit exp. of sheared rock in vein FW, 14' to vein wall, 23' to vein HW 26' to far side pit exp. This exp exts 5'N ℄ 10's of line.

⊙151 - small % of rein qz, appar. along FW of vein. 25-30' at 225° to 10' long % of Ajax qze trending 295°. Abt 15' more to old Δ40.

Δ76 - 22-27' along ℓ of s fr Δ75 to exp. of vein qz.

⊙152 - base of LB %/c area. It is 45' at 225° fr Δ73.

⊙153 - 4-10' rt. of small % of LB lyt grn-brn grits.

High pt of draw betw Δ74 ℄ 75 is 20' at 095° fr ⊙149 ℄ abt 4' lower.

ſ in Ajax across ℄r; fr Δ76 ℄ nr sw ct. is 300° 80SW, with fcl indcg a/c NE.

Π Δ76

⊙154 - upon LB %/c area, at med-dk grey phyl. grit, ſ: 310° 45 NE. 40' past w edge of %/c area.

⊙155 - 5' rt of NW cr LB %/c area, on phyl grey grit closely df for a/c sw, 10' short of hard med grey grit memb. at least 30' th, ℄ 10' short of NE cr %/c area, where ſ in grits is 290° 75N These hard grits form NE wall of %/c for at least 200' at 095°; at 150' ſ is 295° 75 NE. Beds are mostly 3-6" th, but thinner at 150'.

⊙156 - topo in draw 12' at 350° fr Δ56 to start of def NE edge to Ajax %/c area.

⊙157 - 5' left of edge of Ajax %/c area.

Memo for July 26

True bearing line fr Δ38 to Nettie ℄ cairn should pass thru 113,399S ℄ 103,291W ℄ 114,169S ℄ 104,929W.

July 26 '58

Cumu. 6, cooler. P/t around Ajax uppe wkgs.

ΠΔ64

27' at 145° fr Δ64 to sw tip of 2' X8' °/c of Ajax qze, much inj by qz. 30' in this dircn to NW " of trench or caved stp.

⊙158- Far end of this trench, widening to 20' in middle.

⊙159- on Ajax qze °/c; 18' at 217° to sw cr.

⊙160- 17' short of ℄ long trench in dr running due E, abt 5' wide. on s edge of glory hole, 20' across on l of s, top edge 7' E of line, exp. cherty blk phyl, f°: 090° 70N, in partly hily sheared 1/2 way across top.

Δ14A, 3' left of Δ14.

Along N wall of glory hole 3' of a bedded qz vein is exp.

~~ΠΔ14A~~

Δ15- check in 100' out

⊙161- S or mouth of glory hole, 20' past edge of dump, 25' past tip of vein qz °/c 18' at 070° along base of this exp. in S wall of g-h, 14' to 1st exp. of Ajax qze frag in qz; fr 18' pt go 13' more at 086° along base of °/c which then ⊂s 5' to rd ⊙160 then cuts back to S tip. Frags of Ajax scattered thru the 13'. Fr 18' pt go 10' due N to SE cr of 8' X 15' °/c in N wall - this is qz ctg remnants of dk grey chph since it is on str. with phyl. on E wall of hole NW cr of this 3rd °/c; S edge of dump

⊙162- 10' at 170° to small °/c of vein qz.

⊙163- 12-25' to cut exp. of vein qz ctg a few rextd remnants of Ajax

⊙164- tip of °/c of Ajax, much reph by vein qz, ext. 18' at 290°, 5' wide. scattered little exps for 10's.

ΠΔ15

⊙165- 7' rt of tip of narr. °/c of poor, qz-impreg. Ajax qze, close to NE ct. Poss. this is merely a gritty bed or lens in Triune, for at #2 portal & for some ft E there is °/c of vein qz ctg remnants of blk chph.

⊙166- Ajax #2 portal, 5' past base °/c, which exts 10' at 190°, 26' to N edge q-h dump. 14' at 110° fr ⊙ to top of °/c which then exts 13' N of dropping to 10' wide °/c running N fr base in front of portal.

⊙167- NW tip of °/c of ⊙165. If there is no fault betw 165 & 166 the rock at 166 is Triune & that of 165-167 is a gritty band or lens in it.

32' at 255° fr Δ64 to Ajax/Triune ct which runs 25' at 190° to cover.

⊙168- SW cr of °/c of Δ64, here abt 20' wide, on Triune dk grey chsl. 10' past NW cr of dump fr tr of ⊙158. fr 287° 37NE

[over]

III △15 ctd

⊙169 – NW end of 5 X 10' % of rein qz ctg a very few tiny remnants of f/g grey, siliceous rock which was more likely Triune (or Sharon Ck) than Ajax.

Ajax/Triune ct. runs down thru % to Ajax N shaft

⊙170 – 12' left of base of Triune %.

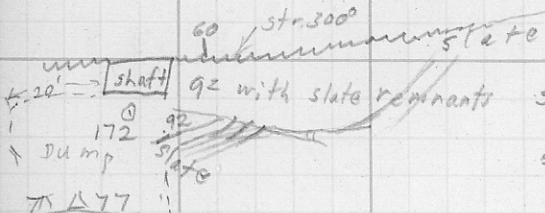
⊙171 – NW end of % of dk grey chty sl, arg, & phyl. ext. to #2 portal. closely resembles Triune at ⊙.

△77 – Up on Triune %, 5' fr Ajax sw ct.; abt 50' SE of Ajax N shaft. Some drag in ct., in plan:

July 28 '58

Memo:- Trace Ajax cts N fr Δ77 & catch any o/c betw it & trail.
Map in cut below Δ69
P/t along Ajax lower rd.

There is a small fault ~~at Ajax / Triune ct~~ in EW of Ajax N shaft & a 2' rusty-qz shear zone along HW along Ajax / Triune ct. Warp nr Δ77 is on this shear, which is fraying SE into Ajax & dying along ct :-



π Δ77

⊙172 - 2' fr shaft collar.

⊙173 - N tip of o/c, on vein qz ctg remnants of Ajax qze 8 - 30' farther to o/c of Ajax qze, 8' wide in middle. Consid. replcd by vein qz. Fine grain at SW edge of o/c suggests Triune ct. close. o/c of vein qz 5' downhill joins the 2 o/cs.

Δ78 - 20' at 050° to tip of 5' wide o/c running 20' at 330°, at head up grey grit, barely recognizable as Ajax, much repl. by vein qz consid. local. attrn. at Δ78.

π Δ78

⊙174 - SE tip of o/c, here vein qz. 24' at 200° to SW tip. o/c is largely vein qz, but ctns consid chert, chsl, & clph remnants which resemble Triune rather than Sharon ck. f? in sl is 303° 55 NE.

Δ79 - 10' fr tip of NE edge of o/c of ⊙174.

π Δ79

⊙175 - S tip of narr, poorly exp. o/c of vein qz ctg remnants of Ajax qze.

⊙176 - N end o/c of ⊙175, with 5' of vein qz on SW & 10' of Ajax qze, injected by only minor qz, on NE. vein & fault are ; presumably at a slyt ∠ to trend of o/c.

⊙177 - mid S end of 15 X 20' o/c of Ajax qze, somewhat veined by qz.

Δ80

π Δ80

⊙178 - narr, shallo tr ind ext 15' uphill

Δ81

⊙179 - NE cr of o/c of ⊙174, here 20' wide & mostly chsl. Alt 601 to jct grd

July 28 cont'd

π Δ80 cont'd

⊙180 - SW cr of 10X15' % of Ajax qze, which is 25' below another of Ajax qze which is 20' wide & 25' long // contour.

π Δ81

⊙181 - S edge of 10X10' % of Ajax qze, much inj. by veinqz.

⊙182 - 18½' at 078° to Δ69, which is 3 - 3½' higher.

⊙183 - 5' to rt of 10X10' % of silty grey phyl, f" 270° 35N.

⊙184 - SW cr of ruin of ancient shelter, 10' X15'.

⊙185 - top of pit, 20' at 250°, bulging to 12' in mid, with exp. of vein qz carrying Ajax remnants 6-9'. Trench in dr for 30' more at 255°.

Δ82

π Δ82

⊙83 - check shot.

Memo for July 29

Orientations fr Δ38 - couldn't see SW cairn orient on Nettie L & shoot F approx. ✓

Altimeter to Ajax #5, up to Δ15, 2 back to Δ38. ✓

Try to shoot some spot in camp. - can't do ×

Orient #5 adit by flashlight.

Elevations

	Don	Blair	Rod	Joel	Alt.
Δ 14	5335.3		5338.1 (HA)		5495
Δ 15	5262.8	✓	5267.1		5415/5420
Δ 38		a) 5091.9 b) 5095.8	5075.3		5185 5260
⊙ 52				5110	5230
Δ 69 fr rj.			5226.2		
" " Δ15			5230.5		

Fr Δ38

Δ83 down rd trnd #4

re-shoot ⊙76 approx, 77 (portal) exactly.

Shoot % at steamer

Road trnd Ajax #5, looking for % above & below.

π Δ38 (oriented on Nettie L cairn)

⊙186 - @ portal Nettie #1.

⊙187 - base %, on silty & chty lyt grey sl, f" 275° 60N.

⊙188 - SW ct. Ajax qze, approx. over adit.

Δ84 - up on rj N of rd.

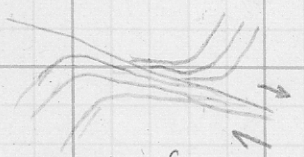
⊙189 - E rd cut. % of m/dk grey sl comes down to rd 30'S @ ctus to 40' N of ⊙, where also rd bends rt.

July 29 ctd

π Δ 38 old

⊙ 190 - swer of cut ¾, 5' wide, behind old steam boiler. Exts. 31' at 335°, & consists largely of compact, siliceous blk phyl, poor fn 285° 75 N. Locally has a grnish cast, esp. on weathd surf. Right-side-up drag in fn

Δ 85 - start down lower Ajax rd. A tr runs st up to upper rd then cs across to cross vein at 345°, exp. vein qz ¾. This may be ctuation of X vein with a double bend. Drag for r/h movt on X vein:



Δ is also 20' short of 5x10' ¾ of m. grey cherty arg; 2 dirtns of fn - the one ⊥ a slyt banding is 297° 75 NE.

π Δ 85

Δ 86

⊙ 191 - topo on rd.

π Δ 86

⊙ 192 - on rd. 20' at 054° to brow of small dump, thence 17' at 065° to rock mouth of 10' wide cut which runs back 15' more at 065°. Rock is somewhat sheared siliceous blk phyl, fn 085° 75 N.

Δ 87

old trail fr below hits present Ajax upper trail 60' SE of Δ 34.

π Δ 87

Δ 88

Cruise land 100' below lower rd & another ½-way up to upper rd but find only cut exps. of ⊙ 192 & a small ¾ st below Δ 88 to be juggled in.

π Δ 88

Δ 89

π Δ 89

⊙ 193 - head of rd.

⊙ 194 - topo on clay slide.

⊙ 195 - top of mud " , 40' left of NW cr of dump area.

Δ 90 - in front of Ajax #[illegible], 13.7' closer than 052.

Δ 91 - on dump " " " ".

July 30'58

Clear & hot. Windup p/t around Ajax #5

π Δ 90

Δ 92 - 8½' in front of present portal #5.

⊙196 - on dump fr #4, 10' fr S edge.

Δ 93 - just S of #3 p/t & 20' N of #2 dump. 2 & 3 dumps join abt 30' downhill. SW cr of whole dump area is just above present #5 p/t. 5' short of 4' wide °/c ext. to

⊙197, 198 - topo 20' at 120° fr Δ 93; dk grey silty ph, f'n 312° to NE.

π Δ 92

Sight line into adit using flashlight.

Δ 88 to °/c :-

8'h at 265° Δ 88 to C1

71' at -060°30 & -28° 63'h, -33'v

57' " 218° & -26° 51'h, -25'v

33' " -130° & -17° to C of 3x8' °/c of blk L.G. phyl, sp. 6

f'n indistinct but prob. 275° 55 N. 32'h, -10'v

Find °/c of L.G. blk phyl. then grn gritty phyl & grit abt 200' S along hillside fr ⊙198. The grn grit has to be LB, but is the blk still Sharon Ck?

π Δ 93

⊙199 - 21' at 095° to Ø p/t Ajax #4. 15' on line to each edge of #4 dump, & 25' past S edge #2 dump.

Δ 15 - check shot

Dump fr glory hole ~~merges~~ 30' downhill fr along fr Δ 15 into dump of #2.

F'n in blk chph abt 40' N of #2 p/t is 290° 25 N.

π Δ 84

⊙200 - on Ajax qze, 18' fr SW ct.; here 10' of silty & gritty dk grey phyl. is exp. for a length of abt 40' - f'n 310° V.

⊙201 - mouth of rock cut leading to p/t Nettie ½, which is 18½' at 131° & on NE ct. of grey phyl. interca in Ajax. A few gobs of py & sphal. in vein qz along this ct. This phyl. band can't be more than 20' wide here.

⊙202 - NE edge of °/c of Ajax qze

⊙203 - dampish-looking patch, sug. seepage & ∴ the fault.

⛫ Δ84 cont'd

⊙204 - 33' at 090° to 10' wide o/c ext 20' back on same line: sooty blk phyl., gritty in part, f^n 300°80SW. This is prob. into cup ck fault zone.

Δ94 - down on rd sw-back

⊙205 - NE edge Ajax qze o/c; abt 30' to N cr.

July 31'58

Cuma 5, warm, smoky. Ctu p/E down rd Nettie #4 & GYP, followed by cruising.

120' by tape fr Δ84 at 236° to SW edge Ajax qze o/c, which edge strikes to E of Nettie #½; no def o/c below. There is thus no def evidence for a x-fault in saddle on rj that rd goes thru. Appears to be no o/c betw Ajax E of GYP fault & Ajax W of it.

⛫ Δ94

⊙206 - on rd, 20' past tip of rd cut o/c of med grey grit, f^n 295°65SW, which rapidly grows sheared & grades to sooty blk phyl. to NE. Essentially blk phyl. o/c in rd cut to Δ & thence down inner rd cut.

⊙207 - 12' short of SE cr of o/c of Ajax qze.

⊙208 - NE edge of o/c of Ajax qze.

⊙209 - 3' left & 18' above N cr. Ajax qze o/c. Base o/c runs 285° fr here, with 40' wide bench just below.

Δ95 - 12' past rd, on SW~ back.

⊙210 - topo on rd, 40' past tip of blk phyl. o/c, where contorted & rusty.

⛫ Δ95
Δ96

striding level brkn moving fr Δ95 to Δ96, & because of inability of table to stay level it was impossible to ctu p/E.

Cruising

Fr GYP pdr hse up to rj, up past May Bee shaft, & on up. Ajax of NE limb in GYP panel ↙s into draw, & finally find o/c of blk silty arg, df for o/c SW, on rj - f^n var, df 300°21. Ajax floors this draw as it comes over top & makes a bench NE of ⊙81

Fr ⊙81 +5' tape at 060°; 100', then 63' at 008° to NE cr. Ajax qze in GYP panel; ∩ in qze 280°70N. Thence 54' at 015° to 10×20' o/c of lt grey phyl. grit, evidently LB, f^n 275° & app 70× 60° N; much df & sheared.

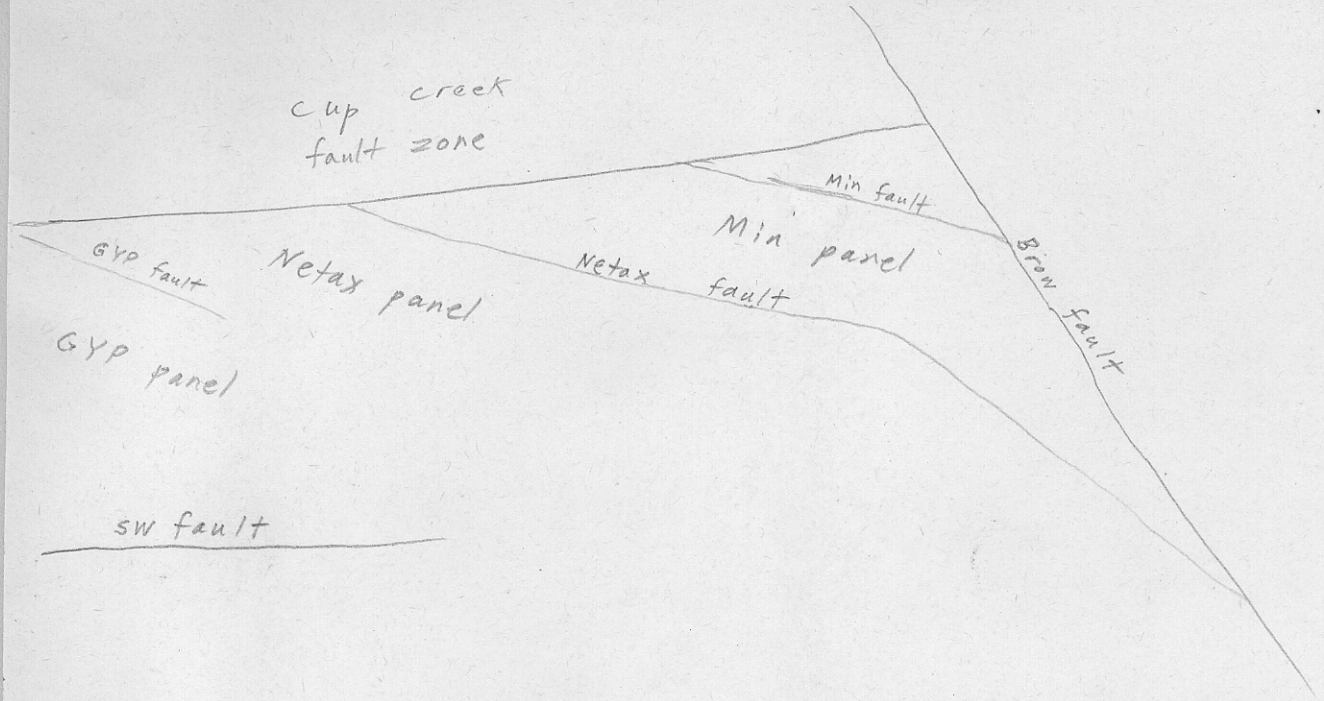

Cup creek
fault zone
Min fault
Min panel
Brow fault
Gyp fault
Netax panel
Netax fault
Gyp panel
sw fault

Fig. omicron

Fr pt at this LB o/c 90 95' at 080° to a pt. 15' rt of o/c of dk grey arg, Sp. 7, ctuous with that seen earlier; str. of o/c & fn 315°, dip 75 SW; o/c abt 10' wide. Fr here go less than 100' to crest of knoll on rj, then abt 20' v down into saddle where pick & shovel attest some trenching & pitting. Also a few pieces of carbonate float. This seems best place to run GYP fault thru. Wall of Ajax qze immed. E of saddle, leading up to knoll of Δ84, SW edge of " " o/c running abt 45° into saddle ~~that colors it~~. ~~It~~ crossing back slope of it, ∴ any break thru saddle is but a minor dislocation, & dk grey arg may be Sharon Ck. Abt 100' down fr main band of qze o/c on N slope of rj is a zd with beds unaccountably dipping abt 50° SW, yet seems too extensive to be slump. This is below W knoll — lower qze band goes WNW but not ESE.

Mon, Aug. 11 '58

Cuma-strat .9, hot & muggy at 1st, cooling.
Resume plt fr. Thurs, ~~Aug~~ July 31, with new striding level, ctuing down to Nettie #4 & GYP.

⛫ Δ 96

Find another ℄ of Cup Ck fault zone blk phyl's stuptr Δ 96 & abt 060° fr Δ 94.

⊙211 - W end of 30' long rd cut ℄ of jet blk phyl, disturbed by hill creep, so no att. Evidently in Cup Ck fault zone.
⊙212 - topo above rd, 65' past where it starts to turn.
Δ 97 - E end of rd past Nettie #4.
Chased out by rain

Tue, Aug 12

⛫ Δ 97

⊙213 - top of cave hole behind Nettie #4 p+l.
⊙214 - 2d extant timber set at " " " ".
Δ 98 - on #4 dump, abt 20' fr rd.
⊙215 - on rd, where ck fr #4 crosses; NW cr of dump above rd, but spill dump of tramline is 10-20' farther, below rd.
⊙216 - 8' past Nettie L Ck, here flowing 303°, & 5' above.

⛫ Δ 98

Δ 99 - down rd twd GYP.
⊙217 - topo on rd
⊙218 - brow of #4 dump meets hillside at cabin ruins; also ck fr p+l.
⊙219 - topo, on tram cable. Mkd.

⛫ Δ 99

⊙220 - topo on rd.
Δ 100 - down rd. Bank seepage betw Δ 99 & here.

⛫ Δ 100

Δ 101 - across rd fr pdr hse. Big slump block, or just poss ℄, of Ajax qze inside rd just below
Δ 102 - uphill

⛫ Δ 102

⊙221 - 65' at 252° to E tip of ℄ of Ajax qze of Metax panel, Not main ℄. ℄ trends 290° tho parting pls, prob. ∩, i.e 335° qrtz.

⛫ Δ 101

Δ 103 - ref pt uphill.
Δ 104 - GYP cr
Δ 105 - just above lower GYP.

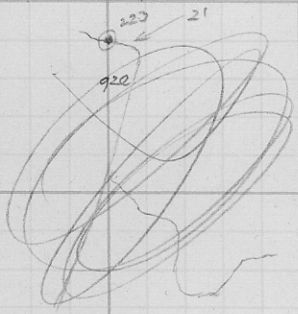
Wed Aug 13

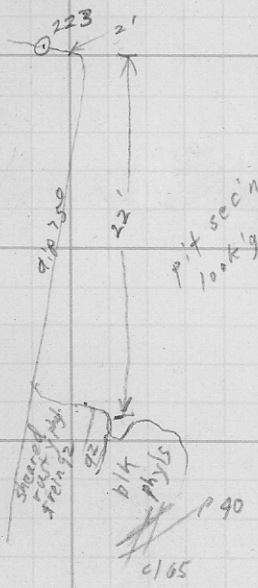
Tape rock cut sec'n N fr ℄ main GYP:

π Δ 104

Δ 106 - in front of GYP portal.

⊙223 - 10' past E edge Ajax gze o/c, which passes 15' W of Δ. ℄ thru ⊙.





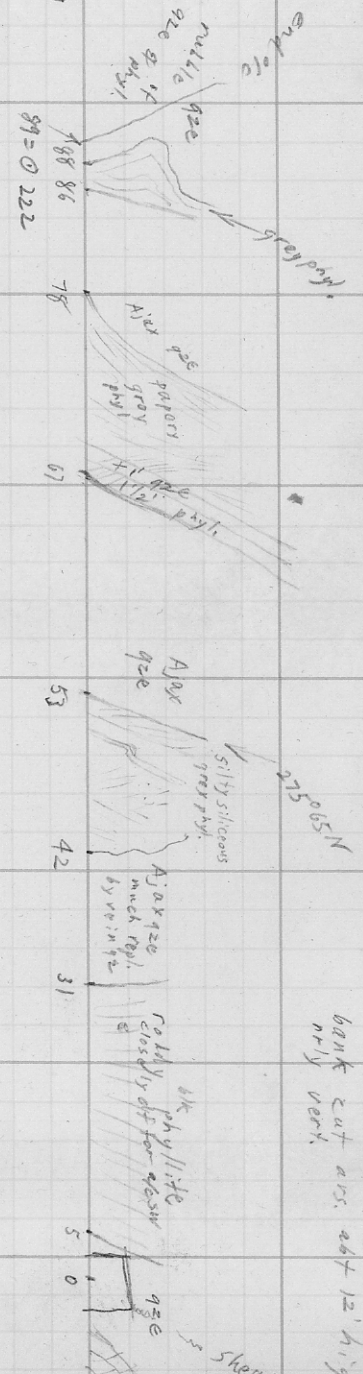
Fr 2' W of ⊙223 base of gze crescents to 30' at 185°, then runs uphill to rd.

⊙224 - abt 10' short of 2d pit, ℄ E edge of o/c, which runs into pit

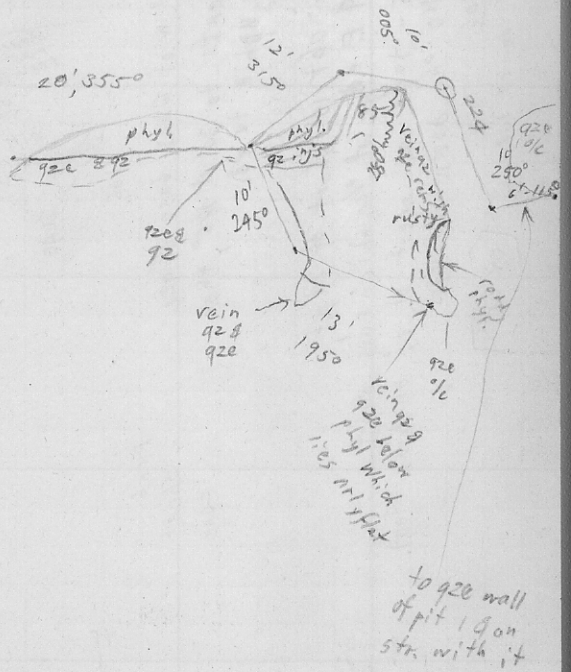
⊙225 - topo on crest of rj, on Ajax float. No o/c down W slope.

π Δ 106

Δ 107 - down trd camp. [over]



Prob shear zone


20', 355°
12'
350
005°
10'
phyl.
qze & qz
qze
qz
phyl.
qz. phyl
vein qz
10'
245°
qze & qz
rusty
vein qz & qze
13'
1950
qze w/c
vein qz & qze below phyl which lies nrly flat
to qze wall of pit 1 qz on str. with it
10'
250°
qze w/c

A 110 to ⊙234 by chain:-

0 - 25 - LB grnish grits with i/b blk phyls.
25-37 - rusty vein qz etc rems of LB.
37-46 - chewed up blk phyls, obviously fault zone
46-51 - Rusty, talcose phyls, rather blocky
51-53 - Chewed up blk phyls.
53-62 - Blk phyl. or arg, prob. Sharon ck, extensively inj. or impreg. with qz & the whole ▽ to grl.
59-64 - Deep red soil, in part above ▽.
66 - bend of rd.
62-108 - thick ovb
108-141 - crumbly o/c of Sharon ck grey siliceous phyl.
141-149 - largely vein qz, inj S.C.
149-152 - Siliceous grey phyls, growing gritty.
152 - Ajax qze.

Rock Legend for
1000' map, Central Lardeau.

Quaternary alluvium

949 Dark grey to black slates, argillites, phyllites

945? Calcareous rocks

351 Pebble conglomerate with green argillite matrix

948 Green argillite

968 Green grit

962 Light grey grit and quartzite

969 Dark grey grit

Ajax quartzite

967 Chert

cherty slate

949 siderite-chrome mica alteration.

Chert

Blk sl. & arg. & carbonaceous cg - blk

Dark grey ~~gge~~ & micro-cg & granule cg.

~~micro~~

light grey gg & gg cg.

Green " " " - dk green

Pb cg

green sl. " - light green

ls. & carbonate sed - light blue

Siderite - or mica rock -

Basic intrus - brown

Acidic intrus - red.

Vein qz - heliotrope

BASE-MAP COLOUR CODE

red to dk grey grits - dk blue
light " " - orange (inclu. faintly greenish)
green " - dk green
" orgs & white - light grn.
blotched green - orange (PIPS?) dots in green.
black arg., sh, pbl - black
i/b grey grit & blk arg - barred blue & black.
i/b grn " & " " - " green & "
grey grits turning greenish when moistened - carmine - True Fusine road only
i/b grey & grn grits - dk blue & dk grn, barred

275 / 180 / 95

290 / 180 / 110

310 / 180 / 130

305 / 180 / 125 20

279 60 / 50.30 / 29 30

Rod
Alidade
Board
Tripod
1 feet

coord. 115 000N 4.4" from N end of sheet
" 103 000W 5.3" " W side " "

coords of ▽ BROW :-

115,296 N 102,960 W

el. 5539.

Decl. 23°20' E



48
32

80 .36/44

1 2
.4314
5
2.1570

280
242
38

7960
5630
23 30

Notes on Lardeau Struct:

1. Disharmonic dip plunges in Setaw SC a/c & Finkle bk s/c suggest Nettie L fault is a hinge fault with hinge nr mt Pool. Thus plunge of SC a/c may not reverse SE of Triune pk.

2. Folds in the panel bounded by Nettie L & Lake bk faults dip SW & are overturned to NE. Folds outside this panel dip NE & are overturned to SW. Possibly this NE dip is normal for the Lardeau as a whole.

June 9'54
clear & warm
Ossie drew up 300-scale on back of Dawson, then we hunted & finally f Lake. set up on ▽Dawson, sight Lake, & orient. declination 22°40' or a tan $\frac{5.57}{13.35}$

Turn up Dawson sheetside & start mapping
⊙1- shoreline.

%c at ▽ is all chert, sp 4.

June 10'54
cumulus .5, warm.

π ▽Dawson
⊙2 - ∠ of shore & 15' due S of N cr of %, where grading to cherty sl, 285°80W, 10' & 25-40' farther N along shore to 2 %c6 of siliceous blk arg, sp. 5.
⊙3 - shoreline, 20' E of next little pt NW.
⊙4 - " E of ▽.
315°75W at ▽.
△1 - up cut line toward road.

silic. blk arg on shore NW of ▽ is succ. en echelon, to NE by blk sl, sp. 6, very fissile olive-brown sl, sp. 7, & this in turn by compact blk sl, sp. 8.

π △1
shower.

June 12'54
cumulus .35, moderately warm.

π △1
⊙5- 7' fr N tip of shore ribbon %c & 15' fr shore. This is at the 2d blk sl band, 310° vert.
⊙6 - topo on 2375.
△2

π △2
△3

π △3
⊙7 ⊙8 - topo on 2400.
△4 - up on SW edge of rd,

π △4 - orient mag, & 20° + off with backsight, but carry on. 50' at 005° to SE end of 10' cut %c of blk qz se sl.

June 1954

Clear & warm. Check direction lines Dawson - Δ4 then etc.

% N fr Danison:

	thickness
chert	?
blk arg.	8'
" sl.	22'
olive-brown sl.	6'
blk sl.	?

Shoreline % at N end of Christie Pt - siliceous rock, sps 10, 11, 305° 75 W.

Fr N cr of %: 30' at 170°
63' at 145°, end % at 22', small exp. of same rock at 37'.
37' at 155°
120' at 140° to pt W of ⊙3.

Π Δ4

Δ5 - NW along SW side of rd.

⊙9 - SW edge of rd.

⊙10 - SE end 120' rd cut % of blk sl, sp. 12, 307° vert; growing siliceous at ⊙.

⊙11 - qzse grey sl grading NE to brn qze, sps. 13, 14; % 5' X 10'. Poorly-exp. qz rein crossing at 335°.

Sample:-

Aug. 13 - trav. up fr. 700' E of 2d Jack o Clubs ck.

o/c ga - 3725' 155° to 1st S bend ∠ Ck E of JC Ck. mostly Ajax gze; sl at base with fair - fcl indcg. o/c NE; 310° 60° NE. small o/c

gb - 3860', 160° to 1st S bend ∠ Ck E of JC ck. small o/c or large bldr Ajax gze

o/c gc - 3910' - 3990', ext 50' E, 100' W. @ 161° to 1st S bend ∠ Ck E of JC Ck. Ajax gze. 15' band of sl thru mid, 315° 55° NE

Aug 13 - Traverse up from 700' E of 2d. J. of C. Ck

o/c ga - 3550' - 50' E of depart fr rd - ~~Ajax gze fr rd to here,~~ ~~3' of slaty gze~~ 60' bed of Ajax gze separated by 3' of slaty gze, 30° tr SW edge and 5' sl. 15' fr NE edge continuous ~~dep.~~ o/c 305°/60° NE.

o/c gb - 3695 - (SW. edge) - bend in Ck not visible so map approx as straight up ridge from o/c ga. Grv gze + gy sly gze, arg + slate. - 306°/80° NE o/c approx 60' thick + all rusty (pyrite) contin o/c

o/c gc - 3945' (SW edge) 62° to log jam br. gr. fm (color from pyrite) o to p 36' thick - 304°/75° NE



contin. o/c.

o/c gd - 3985 - (SW edge) Directly up slope from gc - 50' band of rock (see o/c gc) (bend not visible for brg) contin, o/c

o/c ge - 4050' - (SW edge) 167° to log jam - 80' of f.b; banded gze; - arg + sh - all mixed up - 305°/65° NE. o/c NE in dig by d.f. contin. o/c

o/c gf - 4125' - (SW edge) 168° to log jam - 20' band of gy f.b. gze + arg. - 305°/60° NE cont. o to c.

o/c gg - 4140' - (SW edge) - 173° to log jam - alt. f.b. gze, sl, chirt, arg, mostly gy in color. D.f. of chirt + f.c. in chirt in dig. o/c NE & NW end of 100' ~~dep.~~ o/c.

o/c gh. - 3230 - ext 80' long @ 174° to log jam - f.b. gze, gy sl, arg, some chirt. Band 40' thick. 310°/70° NE.

o/c gi -

Altimeter rdg 40' high on rtn home at 5.00.

THURS - Sept. 9'54
Plane tabling at Mollie Mac

⛩ □A6
⊙2 - ⊙4 - topo
⊙5 - 2' beyond E edge of % of grn arg, 307°80 SW. Cuts 6' over to NE at 12' NW.
⊙6 - 13' past NE edge of same %. 8' SE of top of %. 1' short of sw edge.
⊙7 - topo

⛩ □A4
⊙8 - topo
⊙9 - small pit in drift.
⊙10, ⊙11 - topo

⛩ △E1
Alidade compass sticking, so shoot △ in on □B1. by orienting with Brunton.
Prob. small % of qcs 21' at 240° fr □B1. - 315°75 SW.
⊙13 - topo
⊙12 - beside pit in ls.
⊙14 - NE end of tr in drift; 16' at 240° to ~~NE edge~~ E cr of % of qcs.
⊙15 - ⊙17 - topo.

FRI - Sept. 10'54

⛩ △E2 -
Orient by Brunton & shoot in on □A2. △E2 is on 1 edge in lower part of bluff of pale grn calc arg, Sp. 129.
Sp. 130 is fairly typical of rock in small draw of ⊙20, Sp. 131 of rock NE beyond ⊙21.
⊙18, ⊙19 - topo on path down to camp.
△E3 - 3' fr flowing drill hole on SW edge of slide draw. Just past ⊙21 sp. 132 is typical, then it is mostly grn arg-sch nrly to df. 1' bull qz rein running up fr ⊙21.
26' at 207° fr △E3 to df in ls & qcs - a/c NE. SW of this there are no def ls beds, but only bits & pieces rem'g at fold axes - rock has been minutely contorted.
⊙22 - topo

⛩ △E3
⊙23 - on splash of gal in ls in %; 13' up & 11' over at 300° to cap of qcs over ls. Contacts of ls are 3' NE & 4' SW at edge of ⊙. Appears to be mostly banded dk grey ls with a 2" shell of white.
⊙25 - on ls 1' short of contact with grn sch.
⊙26 - E edge of rock % in slide
⊙24 - on trail, 20' short of E edge of slide %.
⊙27 - SW edge of ls % in timber.
⊙28 - on trail at NE edge of slide.
⊙29 - 8' NE of slide %.

⛩ □A2
topo shot 177°36°50' - 45.8' cos 36°50' = .8004 h = 36.6'
Sin 36°50' = .5.79 V = 27.0'

July 28'56
Clear, hot, & smoky
Cruise rd along Armstrong Ck while Doug installing new fuel pump in Ford.

Poss. fault, passing about under Hladnick's cabin, cuts off low hill in curve of rd. ~~o/c~~ scarce around here, one small one, 50' S of opp. Hladnich's cabin, has cont act betw calc. grn gneiss on S, sp. 107, & dk grey phyl grit on NE sp. 108.
Grl. depos. ft opp. head of Hladnick's logging rd for abt 150', then more dusty slate rubble.
Poss. ~~o/c~~ in hill above, but none in rd cut until small one 150' SE of actual outlet of Ck. - pale grnish-grey gritty phyl, sp. 109. Sporadic exps. of rock like sp. 108 for 40', then a grey grit, sp. 110. Grows increasingly slaty in rem'g 10' of ~~o/c~~ consid gap, then one or two more small exps at top of rise.

Aug. 6'56
Revelstoke toward Downie Ck

photo K-19 - small falls some 6 or 8 mi out. - Silvertip Falls.
K-20 - rusty ridge N of Carnes Ck } fr. brj.
K-21 - canyon of Carnes Ck
sil. grn rock, sp. 121, in rock cuts just N of Carnes Ck., badly brkn up
mile - hbgn, sp. 122, 123 with 'blds, all dipping NE at 30-60° & ctg good df for o/c NE. (1645.6 to 1645.1 on rtn trip).
photo TZ-2 - pinnacle across Columbia fr 1622.8
" K22, 23 of Downie Ck Comin.

Mrs. Wallace at Downie Ck Auto Ct. told me Stinson has staked the old Montgomery claims on the Downie Peaks (in photos K22 & 23) for Columbia Exploration. Dr Wartz is geologist. They were staying in her auto ct. & going to work each day by helicopter. Their other plane landed on Columbia at mouth of Downie ck. They were drilling, then pulled. They are expected back in in a week or two, when they plan to fly in prefabs to set up a camp at showings. Mrs. Wallace had heard that showings comprised pb-zn on Downie Ck slope & cu on Goldstrm R. slope, but was not sure how true this is. She like MacDonald had heard that Trethewey's are interested parties.

Slim Moorehouse still holds a placer lease, hemmed in by leases held by Reid & the heirs of Col. Larder (who died in May, 1955)

Pick up Downie Ck rd 1 mi N of auto ct. Good for 2 mi; Celgar repairing it for a few miles beyond.

Rtn K E Hotel 1671.1 mi.

Sep 1 1956 P. 88

Rain squalls. Start planetabling Ajax sw limb up fr Tennile rd. ⛫ JJT.
Take off fr his △A79
A79 is directly across rd fr E end of o/c of Ajax, which exts 25' wid cut & 10' N. 28' E along rd to w end of Narr. cut o/c of Ajax. Triune is at contact in this 2d cut, with underlying (by df & fcl)
⊙E1. 3'sf
⊙E2 – start of anoth narr rd cut o/c, on Ajax. This may be an anticlinal band of a large df, the ragne fcl seems to indic a/c NE. sw contact of Ajax at ⊙E3.
△E1 – in an o/c area, stg. on l of s fr △A79 at ⊙E4. Base runs along hillside to ⊙E5, which is on a slabby Ajax showing wk df for o/c sw. Small exp. of cherty grey sl. 10' at 145° fr △E1 (within o/c area) Sw contact of NE band of Ajax passes 7' NE of △. Exps. of Ajax ofa for 10' NE of ⊙E4; sw of it the Ajax grows quite slabby. Some doubt as to whether this really is Ajax, as when followed wd fr ⊙E5 it ctns increasing bands of cherty sl. – poss. the crest of a subsid drag o/c. o/c area runs to pt 20' down twd fr ⊙E5 Thence runs uphill just w of ⊙E6 which is on NE contact of slabby pseudo-Ajax with cherty sl. Prob. contact of NE band 25' st uphill fr ⊙E6, the ctns a few ft of slabby & cherty rock 5' NE.
⊙E7 – top of scattered exps. of NE band; sw contact is 20' downhill.
△E2 – sly left of on str with △E1 120' past small exp. of cherty sl Another small exp. of cherty sl 5' at 145° fr △E2. Slabby pseudo-Ajax starts 10' st downhill fr △E2; f-fcl in it indic a/c NE.

⛫ △E2
⊙E8 – on sw contact NE band of Ajax; sw of ⊙ there is 5' of cherty sl, then abt 8' of massive grit, quite Ajax-like. Ajax is only 26' th up fr ⊙E8.
⊙E9 – 1' short of NE contact of NE band of Ajax; one 10" massive bed. 2' beyond contact, otherwise this contact is sharp.
Possibly the 8' band nr ⊙E8 should be enc in Ajax together with 5' more cherty sl & is more slabby gze on sw; good df for a/c NE here.
△E3 – along hillside.

⛫ △E3
⊙E10 – NE contact of sw band of Ajax. Tension fracts around here s in fcl thus, indeg. a/c NE, but a few small df in contact & a short dist NE indic a/c sw.
⊙E11 – lower edge of exp. of NE band – 4' of Ajax at ⊙ is sepd fr main band by 4' of cherty sl.
⊙E12 – sw contact of NE band 20' beyond Union Jack ck E.
⊙E13 – NE " " " ".
⊙E14 – " " " sw " ".
△E4 – some 3' sw of NE contact sw band.
Several thin bands of cherty sl in this sw band, which seems to have widened consid & approached the NE band – it is suspected the slabby rock betw the 2 bands was uppermost Ajax, involved in smaller drags.

⛫ △E4
⊙E15 – base of o/c on sw band, prob close to sw contact; abt 20' E of Union Jack ck E.
△E5 – on sw band, 5' sw of a 4' i/band of chsl.
⊙E16 – 2' NE of sw contact of NE band. Still a number of bands of chsl in this band, ranging fr 1" to 5' th. Flow cl in them indics o/c sw, but df indic NE
⛫ △E5 – 15' sht of NE contact of NE band.
⊙E17
⊙E18 – base of exps of sw band.
⊙E19 – approx sw contact of sw band, proj 25' NW fr o/c.
⊙E20 – NE " " " " " abt 25' across to NE band.
△E6 – up on NE band, commanding view of broad rail of Union Jack Ck W. 5' NE of 4' i/band of chsl, & some 25' fr sw contact.

AG

⊙E21 - NE contact of NE band.
⊙E22 - ditto, 10' past Union Jack ck W.
⊙E23 - 5' i/band of chs/ showing conspicuous r-fel for ¾c SW. 8' of Ajax to base of ⅞

Thurs, Sept. 6'56
Clear & warm. Resume plt Ajax SW limb fr Union Jack W ck W-ward.

⛫ Δ 6
⊙ E24 (unmkd) - 4' N of SW cr of o/c, which must be close to SW contact of SW band - Ajax grows slabby here. Abt 25' W of O.J. Ck W. Base of o/c runs roughly SE uphill fr ⊙24, then contours to ⊙23. ⊙ at ⊙23 is 295° 55' K.
⊙ E25 - base of isolated o/c of SW band & essentially on SW contact, as seen in anoth. " " 80' WNW. Run out of o/c farther W, at runnel.
Δ E7 - Up on NE band.

⛫ Δ 7
⊙ E26 (no mark) - on chsl a few ft fr NE contact NE band.
⊙ E27 - on o/c of SW band 20' NE of base. o/cs are scarce on this part of hillside, but it would appear there is larger appreciable betw bands. New bands start coming in on NE past Δ.
Δ E8 - 6-mi cr, sunk in rd, just off trail portion.
Δ E9 - uphill, still on NE band.
NE contact of NE band is 25' NNE of Δ 7.

⛫ Δ 9
⊙ E28 - SE cr of 1st o/c of 3rd band; small exps closer to Δ show it is close to SW contact.
⊙ E29 - abt 15' short of NE contact of 3rd band.
Δ E10 - (keeled on a log) - still on 1st 2 bands, but prob. only abt 25' fr NE contact. Some 20' of chsl ext. downhill fr Δ 10.

10'+ band of chsl abt 15' SW of Δ 7.

Fri: Sept. 7
Clear & hot. C+w plt fwd Florence.
Set Δ ⛫ to be shot in later.

⛫ Δ ⛫
⊙ E30 - contact of abt 40' of chsl on NE & Ajax on SW. This Ajax band seems only some 20' wide.
⊙ E31 - on Ajax - ref. for tape line downhill to pickup contacts.
⊙ E32 - contact betw Ajax on SW & chsl on NE, abt 30' wide.
⊙ E33 - SW contact of 20' band of chsl.
⊙ E34 - on fairly large expanse of Ajax o/cs.
⊙ E35 - SW-most contact of Ajax.
Δ 12

15' band of chsl starts 5' SSW of Δ 11.

⛫ Δ 12
⊙ 36 - 90' short of NE contact of 3rd band, which seems to have merged with 1st 2 soon of Δ 11.
⊙ 37 - up on 4th band, 100' short of top of o/c. Abt 250' ESE to 1st appearance. C+s bands of chsl up to 15' wide. 75' or 80' fm Δ to base of o/c of 4th band.
Poss a narr. band intervening betw No. 3 & No. 4.
Δ 13 - across rj.

⛫ Δ 13
Δ M - up on a little bluff, looking into ¼-mi gulch.

Sept. 27 '58.

Part sunny. Pick up odds & ends left at TF camp, then map Marlows' cat road down to Comerford's adits.

Af 1st sw-back; 540' at -320°, 140' to gs o/c, 380' to 2d sw-back, bal. along old TF trail to bend into Bdvw ck at 4440'.
Fr 2d sw-back 300' at 055°, 170' of it by gs o/c then 230' at 355°, then 330' at 345° then 460' at 350° to mid of cabin, 4330' elev.
Fr. cabin 130' at 330° to ℄ of small draw. Then 140' at 035° to nose of small ridge. Then 200' due N to 3rd sw-back, est'd 150' fr TF ck., elev 5300'.
Then 100' at 110° to end of rd-bldg rt bk Comerford's dump, & abt 15' above presumed level of adit floor. Elev. end of cat rd 4270'.
Alt. rdg 20' higher back at stg. pt. Yet rdg 45' low at Bdvw Ck, compared with 35'-40' ~~used~~ added to obtn above elevs.

Aug 25'58

Resume GT. Nor p/c fr last yr, running w fr GN itself

⛩ Δ17

Δ 29 - on trail

⛩ Δ29

⊙89 - topo

⊙ 90 - "

Δ30 - 1' E of trail. An o/c of clean, med-grey grit runs downhill; phyllitic in part & ctns some narr. bands of sooty blk phyl., but rock is predom. grit with med to large wh. blk or smoky grey qz eyes & pellites or lenses of white, cream, or pale greenish granular mtl. At least 2 bands, abt 2' wide ea, are extr. c/g, being actually pbg. P seems to go almost st. downhill, whereas cl runs down more Ely. Need detailed hammering to get pattern. Some reinqz is inj here & there, esp. into top end of o/c.

⛩ Δ30

⊙91 - N end of this o/c, here 20' wide. This band also o/cs in trail cut 22-32' N of Δ.

⊙92 - topo

⊙93 - W edge of o/c area, where jogs 15' at 215°; other way it runs 1/2 way to Δ. ⊙ mkd. Evidently tried vainly to shoot this ⊙ last yr.

Δ 31 - along trail

⛩ Δ31

⊙94 - 25' downhill fr SW cr of o/c of Δ30

Δ 32 - along trail, abt 30' short of o/c

⊙95 - small ck re-emerges

⊙ 96 - topo

Δ33 - uphill. W cr of o/c of lyt toned grey grit, Tip is 25' fr Δ 31; f" at tip 285° 75S, also poss small df for o/c NE. 10' N of Δ 33 f" warps to 005° 65 W, but warps back farther uphill.

⛩ Δ33

⊙97 - tip of o/c of Δ; P // f": 295° 65SW. End o/c exts. ~~5's~~ ~~5'SW~~, ~~5'E~~ 5'N. Mostly grey grits with some phyl. i/bs. E edge of o/c curves over & runs st up to upper stretch. W edge heads for Δ but shies off 20's hort Δ passes 10' NE.

⊙98 - start of upper stretch of o/c, a 3' rib running 312°. Sight line is jog over line.

⊙ 99 - topo

Δ 34 - base of bluff o/c.

Bluff °/c of Δ34 has many good df uniformly for NE, some of form ~, but more commonly ∿, ⌇, or ⌇. ⊓ at 295° ft Δ is 295°65-5W.

⊓ Δ34

⊙100 - top

⊙101 - 10' left of base of °/c area, at a 10x20' °/c showing good df for a/c NE in sw part; NE part is loss clear - there seems to be a ~~little~~ contorted °/or brkn little a/c followed by indistinct df for a/c NE.

Rox of bluff °/c area are abt 30% good grey grit, abt 50% slaty or phyllitic grit, & 20% intere dk grey sl or phyl. Bed A is good lyt grey grit, 1½ to 2'th, which is overlain by dk grey, f/g, phyl grit, in places showing tinge of grn. It is underlain by abt a ft of f/g argillac. dk grey grit, & this in turn by lyt grnish grey grit. Abt 21' above is bed B, a scruffy band abt 5' th showing many little cavities sug. lime soln. Grnish grits are abt 2'th & are successively underlain by 2' of lyt grey grit then by jet blk phyl.

13' at 290° to bed A in base of °/c, which then runs down to 5' W SW of Δ

Δ35 (~~brkn~~ in brk in drizzle)

Above Δ35 rock starts coming in on E, mostly grits, showing but 2 decent df abt 1' across, both for a/c NE. Persistent strip of ovb below it & bluff °/c; beds on NE strike into it, & in places are noticeably divergent for beds on W. It seems very likely there is a fault under this strip.

Df trend 280° 03 n of Δ34.

34' at 292°, +33°v, fr Δ35 to pt 38'h, +21'v where bed A goes under cover.

⊓ Δ35

⊙102 - 15' rt of S cr of grit °/c area, where f'l 285°70S.

⊙103 - E cr of grit °/c area.

Δ36 - up on grit °/c area, 17' fr SW edge; f'l here 300°85SW.

⊓ Δ36

⊙104 - top of bluff facing Δ34 & on mid of bed B, which is traceable 15' more at 300° to cover.

⊙105 - on dk grey phyl. grits, 8' off the SE end of bed C, which is 4' of massive buff grit. This bed C is traceable with difficulty NW, but not SE; poss the 15' cliff in which it 1st appears is a fault face. Not clear what happens in re-entrant betw here & ⊙104, tho beds to W seem to go thru.

⊙106 - base of °/c resuming at re-entrant. 3' beyond is a 2' grit band which has grnish grit underlying, but is hardly clean enough to be bed A. Some see page against edge of °/c.

OVER

Tr △ 36 ctd

@ 107 - NE edge of o/c & foot of a small bluff

@ 108 - on bed ℄

Memo for p/℄

map ore exps. fr △10; also contour

locate #2 & #3 tks accurately fr △2; map dumps

contours fr △2 fr mill to TF adits & Blue Bell adits

Fr △1 contour west of camp

Fr △11 catch contours, sock o/c, & dumpsite to E & SE.

Fr △10 shoot pace, & other sites as needed, map carefully as country rock on hillside below TF Cd & vein draw.

pt. map o/c above Blue Bell #1 fr wherever pic. - both immed & well above

pt. map rej across ck & draw fr camp & Blue Bell adits

Fr △5 shoot sta down to #4 dump & contour fr it.

If time permits, map struct. in grits across swamp fr △25.

Sept. 2'58 — 2/2'

occas. sunny; threatening rain or snow; wind var. but strong & cold; occas. stiff ~~flurries~~ of snow

P/t fr rj N along W side swampy area.

Extensive float of rein qz & qz-inj. grey grit fr trail in saddle to abt 20' short of Δ18. Consid. rubble at Δ18, but this is grit inj. by just a little qz.

π Δ18

⊙109 — topo

⊙110 — " up rj in small draw; 10' past 3 blders of crumbly grey grit inj. by consid. qz.

Δ37 — just N of nr — °/c of phyl. grit; frost-rifted & slumped, but prob. not moved far.

π Δ37

⊙111 — S end of 5 x 15' °/c of rein qz & carb, running 010°.

⊙112 — 2 rp: A.P. Northland; SW True Fissure

Δ38 — 17' past °/c of blk phyl. (map this in later.

⊙113 — topo, 15' short of S end of meadow.

⊙114 — mkd for ref for BTT. °/c to S & W is blk phyl grit, appar. crushed fr good grit & grading SW to same, then to blk mica arg. Df in this °/c plunge SE, but are of form indcg °/c NE. Also f.n. curves left going NW.

π Δ38

⊙115 — °/c of shear & gouge zone ext 30' at 208° up along little bank of little ck. 18' at 053° to tip of °/c at solid rock, which however is jet-blk phyl. Fr this cr edge of °/c runs st uphill ~~then cr~~ for abt 30', then curves back to 10' W of ⊙116.

⊙116 — on grey grit, somewhat chewed; 20' at 120° to summit of knoll, where f.n. 280° 85°S, df for °/c N trending 130° 32, 1' across. 5' wide band of chewed blk phyl passes; ast N of summit, but can't be traced W-ward. Main fault zone prob passes thru slyt saddle to W. Much rubble of phyl. in it.

⊙117 — topo. — abt 70' short of grit °/c area of Δ36.

⊙118 — 15' at 247° to E cr of °/c, whence trd runs uphill // lofts. °/c is mostly hard, curvy, dk grey to blk phyl. Also edge of meadow area.

⊙119 — cr of meadow.

⊙120 — edge of swampy meadow, 2' past ch.

⊙121 — crest of low rj, where stg. drop to S. 30' short of small °/c of rein qz on E brow.

⊙122 — crest of same rj, 10' short of 10' wide °/c of sil. blk phyl. consid. inj by qz, which blossoms S ward to take over °/c & dies N ward to lv ord. blk phyl. °/c runs 25' at 335° & 100' at 170°, where qz dying ; into brn silty

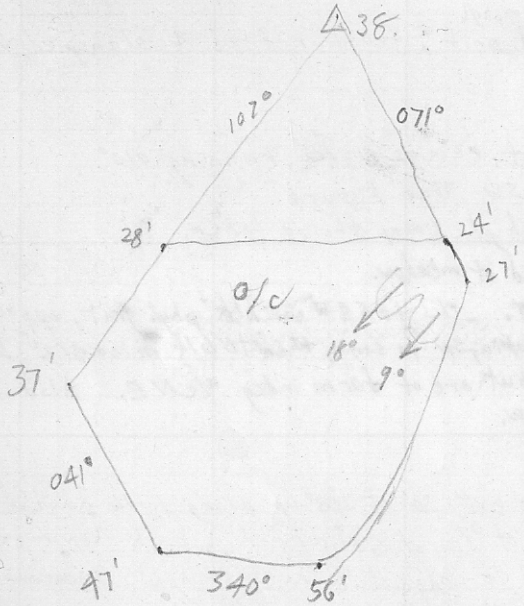
phyl. A cliff more o/c of phyl. to NE (tie in later).

△39 – on E slope of ck draw.

⊙123 – base of o/c of ⊙118, here grnish-grey & dk grey silty ∠ arg. base of o/c runs 290° fr here, grey grits coming in under arg. & ctg dr for o/c N, plunging E. 15' past swampy area.

⊙124 – SE cr of o/c of chered elk phyl. grits. 5' L & 8' up fr small ck, which flows thru mid of o/c. o/c exts out 15' N & 30' at 285°. N-ly cup ck fault zone type of phyl.

⊙125 – jc of cks.



dk grey siltite, thrown into many small open folds which give no clue to major struct.

Sept. 3

Cumu. 4, without pptn.; cool. Terminate p/s of S meadow area.

Π Δ38, ctd.

⊙126 - ℄ of 5×10' o/c of silty grey phyl., evidently belonging to large o/c to NW. ctns small df for a/c NE: 120° 35°.

⊙127 - 5-8' short of vein qz & grit bed in the grey & grnish-grey phyls. 8' rt of edge of o/c. f" 295° vert. 25' short of S cr of o/c, where grading to grits, nr gw. Trace grit-vein qz band for abt 100' up onto small bench, then lose it.

⊙128 - rim of bench, on o/c, 60' fr W edge of fm, as o/c fragging NW to a few scatt'd exps up on bench. Dip nr vert here but abt 45° SW in S 70'. This genrly argillac. unit appears to ctn some calc. beds. Grit o/c of Δ36 to SW ctns some slaty & phyl. bands, but there is much med grey grit; f", probably ∧, 285° 85° S. Some small cruddy df for o/c NE, nrly horiz. Lowest grit beds strike twd argo rocks down on bench. It seems clear there is a fault along inner edge of bench.

⊙129 - base of o/c area of Δ36. This base runs almost along contour to NW, crossing str. Good med to dk grey grits just here. f" 270° 40° S, but could be slumped.

⊙130 - Same base of o/c, abt 100' fr Δ36.

⊙131 - E end of 15' wide o/c of +/- lyt grey grit running 290° for 40'. Fr pt nr ⊙115 base of o/c of ⊙116 runs 30' at 065° then climbs hill.

⊙132 - S edge of 5' wide o/c of sooty blk phyl along ck; f" 315° 75° SW. Grades to rather sheared-looking, micac., dk grey grit at W end. o/c runs 20' at 275° & 15' at 070°.

⊙133 - topo on ck.

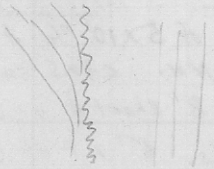
⊙134 - SE ct of o/c of chewed blk phyl, over which ck flows. Phyl. ctns a 3" bed of grey grit which shows f" ∧ at 070° 70° N. For what it is worth both phyl & the grit bed show drag for a/c SW, trend 070° 20°. o/c is abt 25' wide N of ck, 5' S of it. Grades to grit & gritty arg in N segment. NW ct at ⊙135. Ck runs 080° thru main o/c, 040° above, where i/b dk grey grit & friable blk phyl ctn up 20' more.

⊙136 - base of o/c of ⊙118, on qw-like grits, both the basal clean grit & lower arg having run out of base. f" 280° 70° S. Arg rox come back into base NNW ward, then basal grits just at ck, rusty, closely df for o/c N, & seemingly truncated at acute ∠ by sooty blk phyl.

⊙137 - base of 20×30' o/c, lofs along diag; lyt grey grit, somewhat rusty, med grey gritty arg & phyl. ~~No def df~~ Some small df plunging abt 45° SE & indcg S side E. f" 275° 60° S.

π Δ38 ctd

⊙138 - S cr of o/c of lyt to med grey grit & dk grey phyl, evidently not fault zone. f? 305°85 NE. Narr. gouge zone, prob. a fault, 40' at 005°, lying 325° at 80 SW :-
df sug. SW side up.
o/c ctus abt 30' more NNE



π Δ39

⊙139 - S end o/c, on reddish-brn grit with micac, f? surfs - prob. consid. sheared. 10' N some good lyt grey grits are cren. df, with effective ∩ // f? 085° vert. Cren plunge 15° W.

⊙140 - top of this o/c, appar. on o/c plunging gently W.

⊙141 - 5' long o/c of blk phyl - not fault zone type. f? 325° 70 SW. here 10' wide

⊙142 - ~~top of~~ od o/c area of ⊙139, 15' S of good 10" df for a/c NE. Rock is lyt reddish-brn grit, inj. by a little qz. Df plunges 270°30.

⊙143 - base of o/c of ⊙139 here abt 25' wide, ctuing rd curve of hill; rock at ⊙ is lyt grey grit, twisted, f? nr // draw, folds plunging almost vertical.

Small o/c of chewed blk phyl in ck bed down twd lower big meadow suggests, as does contortion in reddish-brn grits, that ck draw follows a fault.

Sept. 4

Cuma. 25, rel. warm. P/F TF rein hillslope at 1" = 40'.

At cut & shallow adit opp. Δ 40 there is up to [illegible] of massive fg sphal & gal preserved, dipping 40° E, & underlain by 1½' of py, both massive & mixed with gangue, which here is largely qz.



⊙151 – slip turns into a roll N-ward, & base of upper ore meets lower face here; also gangue comes in as irreg. skin over upper ore, here 3' back & 4' up rocket of op rt face.

⊙158 – Scr of Δ ore & of rusty gangue ctg a little gal, ext. 15' at 350° & 7' rev. Fr ⊙157 13' at 130° to narr. ore of " ", 8' long at 170°. Much rubble of gangue down to stripped area.

⊙160 – A little gal. in rusty gangue. 14' at 227° to NW cr of ore, fair little face of ore betw, which seems to get thrown up on a small x-fault a few ft E.

⊙161 – top of gangue ore

⊙162 – 12' at 065° to NE cr of this lobe of gangue ore.

⊙163 – top of gangue ore at rundown. Fr here top curves down to 8' at 352° fr ⊙164, then down 22' at 045°, 5' N, & up to 16' S of ⊙165; then finally to top at ⊙166. Scatd exps of gangue run up N of line to base of higher ore at ⊙167.

⊙168 – on this higher ore, 10' fr base, 8' fr top. 30' at 340° to N tip where some relics of beat-up country rock.

⊙169 - top of this upper o/c of gangue

⊙170 - up on o/c of contorted grey phyl. grits. (stake).

⊙171 - base of upper gangue o/c, running 8' h downhill here & then N. 37' at 182° to SE cr, whence 5' h uphill, then to ⊙169.

⊙172 - NE cr of o/c of contorted grey t/b grit.

⊙173 - base of a lobe of ⊙172.

⊙174 - NW cr of gangue o/c; scat'd blox of gangue over to ⊙160. Top runs 25' at 160° then drops down hill.

⊙175 - NE cr of this gangue o/c. Scat'd exps along to N o/c SE of ⊙157, & also up to ⊙160. A little gal. in one place along base.

⊙176 - 11' at 335° to SE cr of o/c of ⊙174-175. Directly above back of cut exp. 4'x5' of gangue overlain by up to 6" of ore dipping 40°.

Fr SE cr edge of o/c of ⊙174 runs 22' at 260° to SW cr.

sept. 5 '58

Thinly cloudy . 7; almost warm. ctn p/t TF vein face at 1"=40'.

π Δ10 ctd

⊙177 - base of vein ⅋c (see yyls plan sketch). Fr ⊙ base runs 17' N then ∠s down twd ⊙188

⊙178 - NE cr of 5x5' ⅋c of vein qz. 10' twd Δ to NW edge of 5x9' ⅋c of ore. 20' at 350° to edge of stripped face.

⊙179 - on stripped face, 5' fr edge where top of ⅋c of ⊙177 runs down at 025° to join. Scat'd tiny lenses of ore run abt 25' S in 15' wide zone, but no real orebody prescred

⊙180 - 5' S of cr of gangue ⅋c, 7' N of dump fr cut of ⊙145.

⊙181 - NE end of 3x10' ⅋c of rusty lyt grnish grit running 240°.

Δ 46 - base of stripped face & S edge of short adit opp. #2 pt'l. Pockets of ore show in adit, as well as a fairly strong shear, 325° 30SE, but no real ore.

⊙182 - base of stripped face of gangue, running SE twd 240 & W NW uphill. Also 5' past DDH, which is flowing sly.

⊙183 - N edge of stripped face, where turns to run along hillside as base of natural ⅋c.

⊙184 - top of stripped face; 10' more to 2x4' ⅋c of very rusty gangue. Stripped face runs abt 15'h downhill then ∠s up to ⊙185.

Just no real ore in this stripped face - not even a smell in NW part.

⊙186 - S end of 10' wide ⅋c of rusty gangue running 48' at 315° small cut, prob. for DD site, encountered blk phyl. beneath qz. at 30° 13' at 060° fr ⊙ to top of stripped face. 58' at 315° fr ⊙ to edge of another ⅋c of gangue, running up fr 25' at 285° fr ⊙ 183, fr ⅋c off stripped face, which has narrowed to 10', with poss 10x10' ⅋c of gangue 10'h below.

⊙187 - NE cr of combined ⅋c

⊙188 - upper obtuse ∠ of pyr.-shaped ⅋c which is 60' at 335° along base, & abt 25'h along short diag.

⊙188 - ref pt above S end of ⅋c which is mostly veinqz & carbs at S end, but largely phyl. grits at N end.

⊙1 - upper Blue Bell pt'l.

⊙⊙189, 190 - topo on trails

⊙191 - topo in draw. Remains of an old cabin 10' to left.

Fr ⊙184 20' at 187° to NE cr of ⅋c of gangue, thence 22' at 160° along base

⊙192 - 3' fr N edge of this ⅋c, just bf it, ogs 10' S. 6' N to 2x5 ⅋c of very rusty gangue, running downhill.

⊙193 - NE cr of ⅋c of gangue running 10' at 145° along base. 13' at 350° to SW cr of larger ⅋c nr ⊙192 as it turns to run along hillside 8' wide

Fr ⊙155 base of natural o/c runs to' at 323°, then essentially up to sasenr ⊙193

⊙194 - base of gangue o/c, running 20' at 132° & drops to cr nr ⊙193. Runs 15' at 340° then lobes down.

⊙195 - SE cr of lobe; 30' at 220° to where rib fr larger o/c nr ⊙192 runs in.

⊙196 - NE cr of this lobe, 10' short of shallow tr in decayed vein rubble running down to dills ite.

⊙197 - 10' short of NE cr of gangue o/c of ⊙187.

⊙198 - 7' rt of SE cr of small bluff of gangue. 15' at 060° to top of main o/c, those of ⊙187 & ⊙196 having combined uphill.

⊙199 - up on bluff o/c, 5' fr W edge & abt 10' fr E. Pretty solidly vein qz down this way, but grades largely to phyl. grits. End. ~~Bluff o/c seems to run into main gangue o/c sward.~~

⊙200 - top of main gangue o/c at run-up of 20'h.

⊙201 - upon another o/c, 10' fr each edge, half-connected by scat'd exps with bluff o/c. Largely gangue but ctns some included grit. (Use this pt to tie in o/c of grit above)

⊙202 - top of main gangue o/c, having come st fr ⊙200 with narr bench betw it & o/c of ⊙201. 8' at 280° to cr of 5 x 19' tr exp. of gangue running 318°.

⊙203 - base of upper gangue o/c. scat'd exps. betw it & main sw of 1 ofs.

⊙204 - top of upper o/c & prob. close to w ct. of vein proper.

△40

⊙205 - SE cr of o/c running into stripped face.

⊙206 - pt1 #2 adit.

⊙207 - cr of #2 dump.

⊙208 - on #3 pt1 timber, E side, 6' above track.

⊙209 - switchback of trail.

⊙210 - cr of o/c, running uphill fr here.

clear & warm. Resume plt at 100'=1", working nr TF camp.

π Δ II

⊙211 - bend of trail. 10' past N edge of boulders o/c

⊙212 - brow of steep slope above mill. Also ⊙213, ⊙214.

⊙215 - S end o/c area of Δ II

⊙216 - base of rj which is largely o/c area in its NE part.

⊙217 - up on E slope of this rj.

⊙218 (Keeled on small log in snowbrush) - N brow of this rj

⊙219 - topo & ref. pt. A little o/c around. (Stake)

⊙220 - in shallow draw. Also ⊙221

⊙222 - on o/c bs TF ok. Vert. drops 10' N, 5' S, & 25' E.

⊙223 - 10' past top of o/c of upper Blue Bell ptl.

⊙224 - 15' short of base of higher bluff of grits.

⊙225 - base of same o/c at rundown.

⊙226 (stake) - off upper left cr of o/c of ⊙225.

⊙227 - top of steep slope - gentle rise to meadow beach. Some small o/cs in little draw below & along brow to SW.

⊙228 - top of o/c; just a few scatd exps above.

⊙229 - on o/c of ⊙224 & top of bluffs. Sf in line with Triune Pk

⊙230 - in draw NE of this o/c. Much qz along end of o/c against draw, sug. that at least part of GN vein runs up this way.

⊙231 - top. E of draw, above gently-sloping basin. (Keeled on big balsam) Basin opens out below as soggy bench sloping SE, up on E side of draw. An old corduroyed skid rd crosses & goes up on E. Also a good old trail going up basin then swinging diagonally up hillside below ⊙231.

⊙232 - Front rim of basin, practically around draw fr upper Bluebell.

Sept 7 '58

clear & hot. 1/2 day terminating TF p/t, bf Kirkham leaves, with shots nr camp.

π Δ1

⊙233 - on 10x20' poss. o/c of grnish-grey grit.

Δ 41 - on dump of TF #3.

⊙234 - topo nr SW cr of b-h.

⊙235 - " " mill

⊙236 " " assay lab.

⊙237 - " across TF ck.

π Δ41

⊙238 - topo in reindraw

⊙239 - on trail to lower Blue Bell, 13' at 313° to bend. In opp direc it curves sly & heads for TF #3 tracks 20' S of core shed.

⊙240 - topo in draw bs Blue Bell adits.

⊙241 - base of small o/c in little ck.

⊙242 - upper left cr of 10x20' o/c, 10' rt of little ck. Alt 10' below brow of bench. Further small o/cs scat'd E along brow of bench & beyond.

π Δ5

⊙243 - N edge TF ck.

Δ 42 - on dump of TF #4.

π Δ42

⊙244 - topo. Also ⊙245, 246 poss 2 or 3 o/cs above ⊙245.

⊙247 - TF #4 p/l.

⊙248 - ℄ of TF ck

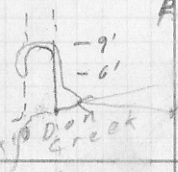
⊙249 - ℄ " rd.

Sept 12

Drizzle & rain. Ctn BTT up cks & over St. Elmo wkgs.

⇑ C4

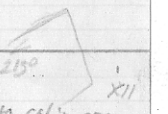
X8 – 32', 070½°, -32°. 12-16' – cr of ℄c
Fr X8 6' ⊥ line to edge Don ck; 11' ⊥ line to edge old chann. TR ck.
" " at 125° 9' to " old chann. TR ck, 11' to ℄c, 19' to E edge old chan.
Don ck – 351° 4-23'.
Upper cr of ℄c – 166°, 10'.
X9 – 40', 116°, -15°. Inner cr of ℄c. Old chann. 24-40'.
X10 – 22', 264°, +10°.
X11 – 100', 237°, +33°.
69' to NE cr dump of upper St. Elmo.
X12 – 26' 165° +22°
Fr here 18' at 235° along edge ℄c.



⊙ 226 – 128', 345½°, +10° Ivd ℄c on way.

⇑ C5

X11 – 44', 062°, -15°. 24-33' across cr of cabin remains; –
℄ NW ⊥ line to edge dump, which ctns to 14' short of C5 215°.
If running up to adit.
X13 – 53', 110°, -5°. Nose of dump. Offset 5' at 14' & 3' at 34' to cabin crs.
⊙ 88 (within 3') – 48', 210°, +30°. 32' to cr of 92-reined ℄c.
X14 – 63', 298½°, +24° Head of cave on upper St. Elmo adit 29' level to bt
extant set ⊐ start of cave. C5 's at mouth of tr leading to ptl.

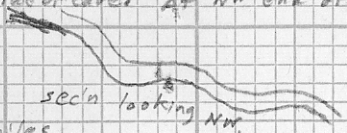


				Elers.
C4 – X8 –	070½°	27'h, -17'v	℄c 10-19'	C4 5512
– X9 –	116°	39'h, -10'v	23-39' chan.	5502
– X10 –	264°	22'h +3.8'v		5515.8
– X11 –	237°	64'h +54.5'v	58'h dump	5566.5
– X12 –	165°	29'h, +10' v		5522.
– ⊙ 226 –	345½°	126'h, +22' v		5534
C5 – X11 –	062°	42½'h, -11.4'v		C5 5577.9
– X13 –	110°	53' h, -4.6'v		5573
– 088 –	210°	42' h, +24' v		5602
– X14	298½°	57½'h, +26'v	Also 24'.	5604

Sept 18'58 Rain & snow after 12:30 PM

Mostly °/east; rather cor. BTT mapping up in creeks area.

The upper 5th. Elmo is now so thoroughly cored that only a few blocks of rein mtl remain scatd along SW side of core. At NW end of 2d core blk phyl is exp, showing open df 315° 40°. Dump mtl indics the country rock was largely blk phyl, & the rein of rather cavernous qz cty. inclusions of phyl & pockets of pyrite. Little piles of nearly massive sphal-gal-py ore have been laid on the ph & E side the 2d core. The few pieces showing both qz & ore suggest a rather irreg distrib of sulphides. Dip & str are uncertain but can be guessed at: - The few pieces of rein along the core are on the SW side & above adit level, while there are a few pieces of phyl along NE side, also above adit level - it is ∴ prob that the rein dipped NE. The axis of the 1st core may decline into str, but if, as seems likely, the rein was mined updip to grass-roots the core is likely to be to left of str. Width of rein or ore cannot even be estd.



m A26
⊙88 - 85', 072°, -9°. 43-50 - ck; 50-62 - cr of °/c 5 of ck; 62-69 - ck; 75-86 - °/c
This ⊙88 is 4' at 355° fr ⊙88 slightly & goes closer to original.
Fr 53' offset 3-5' to ck, 7-12' to r/b off °/c of ⊙88, to km width. Also fr 53' offset 5' to top of °/c 5 of ck.

Fr tyis ⊙88, 30' at 287° to end of °/c, there 10' wide. 6' at 155° to 5 cr. Rock is a grey phyllitic grit mostly dipping gently down plunge, much faced by qz veins & practically recl. by ore along SE edge.

Fr A26 22-29' at 160° to ck. End °/c 35'
Rock on S side of ck is blk phyl down to bend, ft dipping into ck; at bend it chgs to grey phyl. warped & twisted in gen'l & crenk. in detail. Within lake of °/c across ck is largely rein qz, irreg. inj. grey phyl. - prob goes across ck to irreg qz in grey phyl at dist 60' on orp tapelines. & veinqz
°/cs N & S of ck are essentially connected by ck bed orps of silty phyl. off end of N °/c

Beds irreg, flat at debouche of Dam ck, upstream they seem to, mid'e dip SW then grade to amorph blk phyl.

A26 - ⊙88 - 072°, 84'h, -73'v Elev A26 = 5615' (Cf Blair's 5606')