

1977
June
29

Alt. rdg - 250' at approx mid-tide line & -240' at motel doorstep
at 9 AM. Rdg 1600' at jc of G 3000 & G 3400 at 9:45 AM. H: 136.7'

Tie shot from ⁴ 1st % on G 3400 to E edge of G 3000: 148' @ $\pm 22.5^\circ$ vert
& 22.5° horiz. Fr there 22.5° for 25' to polychain ^(at 518') & 33' to base of %.

Up G 3000: 322.5° for 1st 250', then 305° to 415', & 312.5° to 600'.

0-193 f/g meta-dio, prob met fr. andes. Much slipped, mainly NE.

193-277 ovb.

277-316 - f/g meta-dio.

316-44 - q.d.

344-81 - m/g meta-dio.

381-514 - ovb.

514-25 - mixed q.d., meta-dio, & meta-andes.

533-54 - meta-andes, grading to meta-dio at 545, then back in a few ft.

554-620 - mostly q.d., with some meta-andes relics.

600-730 - 307° . 620-671 - meta-dio, cut by some q.d. 680-706 - q.d.

730-808 - 342° (339° _{Fr.}) ovb. & draw 706-808.

808-900 - 344° . 1st % starts at 808 & trends 090° across rd. cfus in rd cut to 886.

intrus andes & andes porph. 816-40, mostly overlying 1st. exposure. ovb. of 886.

(The 1st % in cut rd above G 3400 may be a continuation of the flat just below G 3000, but there is no % on slope in between.)

900-1020 - 337° .

1020-1200 - 329.5° (333.5° rev.) Pass ditch % of intrus. & 1089-97.

1200-1335 - 337° (338.5° rev.) 1240-1389 - meta-dio.

1335-1500 - 344° (check rev, no track)

1500-1650 - 325° (" "). 1538-42 meta-dio. 1552-1693 - "g meta-dio; 1693 -
med q.d., grading back & forth to meso & meta-dio.

1650-1800 - 316° " ". 27' back fr 1800' to footslope of quarry wall.

Quarry starts to run back at 1711. Mostly meta-dio across
" backwall, locally grading to meso-dio.

1800-2100 - 303° check. 1924 - quarry wall comes out to bank 2' fr chain & q' fr
edge of rd. Straight polychain crosses & recrosses E of rd at
1985 & 2070.

1919 - mostly meta-dio, with some meso-dio & a little leuco-dio &
meta-andes.

2100-2237 - 320° , $\pm 7^\circ$ - meta-dio with nens of meta-andes.

2237-2330 - 318° - " " " " " " to 2295, then q.d.

2330-2400 - 302.5° -

1977

June
30

start p/E fr saddle at SW ct. of main S ls. on G 3000.

Alt. rdg. 1720' at 10.10 AM at jc 3000/3400

" " 1900' " 10.40 " " $\Delta 1$ bs G3000 so elev. is 2030'.

- $\pi \Delta 1$ - 01 - 8' long bank % or large blocks of g.d. 22' out along rd to start of rd cut %: m/g meso-dio, both cut by $\&$ grading to leuco-dio, & cty small nces of meta-andes. Fall'd by evb, then rubbly exps of g.d. leading to shallow quarry.
- 02 - 5' into bank fr 2400' mark reached yy.
- 03 - curve of rd, bs ctued rd cut %, here on meso-dio cty. meta-andes nces. with a little.
- 04 - 10' ϕ % of g.d., 25' fr rd. More rubbly % 20-40' twd 01.
- 05 - $\&$ of rd, 25' fr S end of ls, rd. cut %.
- $\Delta 2$ - down twd draw E of saddle.
- $\pi \Delta 2$ $\Delta 3$ - 12' short of rubbly % of ls.

July 6 Resume p/E fr saddle on G 3000, reshooting to get correct vert. Δ .Alt. rdg - 200' at motel 9.30 AM, $\&$ 1780' at $\Delta 1$ on G 3000 at 10.15, so elev. 2070', vs. 2030' on June 30.

Rock nr. 03 is close to leuco-dio, but back to meso-dio at start of shallow quarry abt 50' NW.

 $\pi \Delta 1$ - 06 - NW end of shallow quarry.07 - wedge of road, 15' ~~fr~~ E of start of ls % on W side. $\pi \Delta 2$ 08 - contour shot. $\pi \Delta 3$ 09 - mid-SE end of rubbly % of ls, 20' wide at 15' to l of s.

010 - in shallow draw, 10' short of low rj cty. rubbly ls %.

011 " " " " 5' " " " "

 $\Delta 4$ - on W slope of combined draw $\pi \Delta 4$ $\Delta 5$ - on E ridge.

012 - bottom of combined draw.

013 - contour shot.

July 7

 $\pi \Delta 5$ 014 - tip of rubbly % of ls; NW cr is 20' on l of s fr Δ .015 - SW edge of 15' ϕ % of ls. ls rubble under another root ~~50'~~ ^{100' E} farther S. $\Delta 6$ - inner edge of G 3400.016 - on rubbly ls. of 014, 20' short of NE cr. Actually there is a 30' gap in % E of Δ .

017 - NE cr. of upper % of ls

018 - Bottom of draw, just bf turnout onto slope.

 $\pi \Delta 6$ 019 - SE cr of ls rubble under an uprootAlt. rdg 1650' at $\Delta 6$ at 3.15 PM, $\&$ +55' at motel 5.35 PM.

020 - inner edge of rd, opp 10' of ls rubble.

021 - cr. of clone around ic with H 9100

π Δ7 021 - rd. j.

Δ8 - down H2100.

July 8 ctu p/t. down H2100 switchback

Alt. rdg + 45' at motel at 9.30 AM, + 1625' at Δ8 at 10.20 AM.

π Δ8 Δ9 - on lower loop of H2100

022 - lower sec'n of H2100, on outer edge. Just N of start of ~~the~~ timber be low.

023 - 9' past road, opp. end of rubbly %.

024 - on outer edge of rd, opp. S end of rubbly %.

π Δ9 025 - inner edge of rd, 10' fr N end of rubbly %.

026 - " " " " , on start of curve.

027, 28 - ends of rubbly % 8' back & 5' back.

029 - S end of rubbly % in E quarry wall: meso-dio for 1', but mostly meta-dio.

030 - N " " " " " " , here meso-dio. 20' to N quarry ends at a kettle or sink hole. Quarry-come-gul-pit is 20' across at 030.

031 - outer edge of rd, on axis of rj E of pit & draw.

032 - " " " "

033 - on stump on ridge; starts to descend to S. Rj appears to be till.

To N, rj ends abruptly app. a pt. 70' up-road fr 025

% exts abt 50' down fr 025: mixture of meta & meso-dio & some meta-andes.

034 - on bank 20' fr spur rd & 15' higher.

% of 0227-28 avrs. out to meso-dio, but seems to be meta-andes more or less impreg. with leuco-dio.

1977

July 12

Polychain N on G 3500 fr jc with G 3510:

- 28-213 - meta-dio, etc. F seg's & andes. iens. Rather c/g & gabbroic.
 244-82 - " "
 308 - meta-andes.
 321 - 406 c/g meta-dio, etc a few nens of meta-andes.
 444-951 " "
 470-518 " " m-c/g, with fresh leopard rock at 505, sp. 58.
 552-628 - m-c/g meta-dio 30' back fr rd. Cut by meso-dio dykes & ep veins. Not gabbroic-looking. Comes out to 10' off rd at G 67.
 649-719 - rd cut % of leopard rock meta-dio. Mela-dio % with some andes nens on W side 663-83. Andes nens & qz veins on E side of G 97. (find mela-dio in rd bed to 738.
 787-887 - % meta-dio, cut by a few m/g grey granitic dykelets of uncertain affd. Rock cairn 8' back fr rd at 877; also some brkn planks.
 979 - $\frac{1}{2}$ of 1st spur on rt.

Resume p/t N on G 3400:

- $\Delta 7$ - A10 - outer edge of rd.
 $\Delta 10$ - 035 - on large slump block of ls.
 036 - outer edge of rd.
 $\Delta 11$ - " " " , on hump.
 037 - 27' at 200° to centre of 10' % in cut at cat rd: meso-dio.
 $\Delta 12$ - uphill at end of E branch of cat road, nr. a ls. block.
 $\Delta 11$ 038 - outer edge of road.
 039 - " " " , 30' fr. N end of ls. in rd cut.
- July 13 Fog cleared off during lunch so resume p/t at $\Delta 11$:
- 040 - S end of rd cut % of l-d which runs 45° true Δ
 041 - " " " rubbly cut % of q.d. Rock is much slipped on surfs lying 010° & 90° - 65° E
 042 - N end of this gently arcuate %.
 043 - SE end of rd cut % of meta-dio.
 044 - NW " " this %.
 045 - S tip of ls % , in rd cut slide. Some non-ls % at top of slide 20' above.
 046 - E face of % of meta-dio, abt ⁴⁰ ~~32~~' long & ext 30' back.
 047 - \angle q.d. rubble in uproot.
 048 - NW end of slide, just above ls % & alt on its SW ch., which i. runs 325° for last 40'.
 049 - base of ls comes down fr 045 to 3' fr edge of rd.

1977

July 13

- Dense fog on ridge: resume polychaetning along G 3500, re-stg. at Φ of lot spur:
- 142-179 - m/g melo-dio passing to meso-dio via intrus. ∇ . Cut by a 3" Renfrew dyke lying $007^{\circ} 65' E$ & showing chilled contacts.
- 252-63 - f-m/g melo-dio
- 263-309 - c/g leuco-dio. Φ q.d. Ctns either a large ncn or irreg. dyke of flg to dense dk rock - sp. 59 fr 292.
- 414-573 - initially q.d., then c/g meso-dio going around curve, cty. large meta-andes ncn. In places close to leuco-dio.
- 573-84 - gabbro, sp. 60, chilled agnst meso-dio, so intruding it.
- 596-621 - intrus. ∇ : meta-andes in meso-dio; ends at s.z. $315^{\circ} 60' NE$, 10' back fr rd.
- 621 - wedge of gabbro
- 621-43 - c/g meso-dio.
- 655 - intrus. ∇ of meta-andes in meso-dio running back along spur rd.
- 666 - Φ of spur rd.
- 780-862 - m/g q.d., c/g in part & then resembling meso-dio. From 818-31 E-G skarn & small lenses of massv. ∇ follow fracts. lying $015^{\circ} 50' W$. Also involved is a flg hb porph which resembles flg phase of gabbro but is reticulated by q.d. tongues & vlt.
- 863-85 - leuco-q.d. (?), sp. 61, with mafics appearing at 874.
- 920-48 - draw runs 170° .

1977

July 14 P/E up betw. G 3400 & G 3000 on S ls belt.

Alt. rdg - 165' at motel at 9.15 AM, 1590' at Δ 11 at 10.30, & 1520' at Δ 10 at 10.35. π Δ 12 Vainly cruise ^{for 1/2} S on this bench to brow overlooking Δ 7. Δ 13 - uphill in timberAt the brow overlooking Δ 7 climb the steep hillside to ls bluff abt 100' above bench of Δ 12. π Δ 13 @ 50 - lower tip of 1/2 of ls.

@ 51 - base of this 1/2 % area

 Δ 14 - S end of bench of intrus. rock π Δ 14 Δ 15 - up on outer edge of G 3000.Alt. rdg. 1930' at Δ 15 at 5.15 PM, & -150' at motel at 8.40.July 15 Ran p/t line up G 3000 from str. pt. to Δ 15-14 to complete loop.

Alt. rdg - 150' at motel at 9 AM.

Unable back sight fr Δ 15 to Δ 14 due to fog, so back to str. pt. & orienting map again. π Δ 16 - up on W side of rd, betw @ 5 & @ 7. π Δ 16 Δ 17 - " " " " " ", by N end of 1/2 %.

@ 52 - on cliff at S edge of 1/2 of ls.

 π Δ 17 Δ 18 - on W edge of rd, as it starts to cut thru rj. π Δ 18 Δ 19 - on E " " " ", on E side of saddle in rj. π Δ 19 Δ 15, shot xy, completing circuit. π Δ 15 Δ 14 Δ 20 - down on E side of rd.Alt. rdg. 1970' at Δ 15 at 5 PM, 1920' at Δ 1, & -110' at motel at 5.40.

July 19 Fin. tracing NE ct. of main S ls. up to G 3000.

 π Δ 14 @ 53 - on q.d. 1' NE of ct. with main S ls. R.d. is abt 10' wide & exts back 20' on 1 of S, as does ls.; q.d. also exts 15' N of O. 36' at 280° to NW end of 1/2 % & then 12' at 220° to W cr.

@ 54 - curve of ls 1/2 area.

@ 55 - E side of " " "

@ 56 - SE end of ruddy exp. of q.d. exts 15' NE Exts. intermittently to @ 57.

@ 58 - q.d. 1/2 of rubble in v-poot.

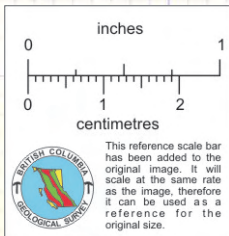
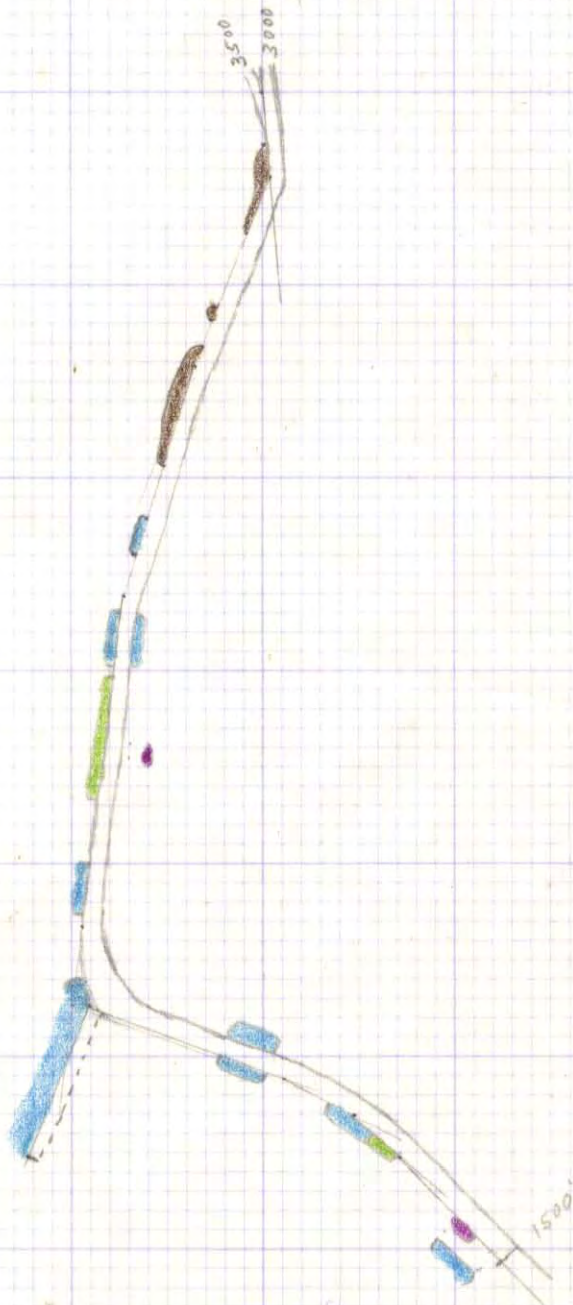
@ 59 - NE side of 1/2 % area.

The shallow draw SE of @ 53 appears to mark a fault with 1-h offset; such a fault would pass under rd abt 150' NW of Δ 15. π Δ 20 @ 60 - NE cr. of 1/2 % area

@ 61 - 10' right to L betw curve of G 3000 & spar

@ 62 - S end of 1/2 of q.d. ctg. and/or nens.

1" = 200'



- 084 - on rid of ls, 15' long at 30° rt of l of s. 20' left to % of intrus v; meta-andes in q.d.
- 085 - W edge of rubbly % of ls, 10' long. Stamp of ls. 25' fwd Δ 910' NE.
- 086 - end of 1st spur off G 3500.
- Δ 23 - on top of rj, 15' past last ls %cs. Opp. forest surveyors' stake.
- 087 - cf of ls with meta-andes & q.d. on NE. Some basalt & gabbro along ct. abt 50' back.
- 088 - on ls, 3' fr NE edge of %.

July 21 Finish p/t "Fallers' ls."

MA22 089 - divergence of G 3500 fr G 3000.

090 - on ls % area, 15-25' past sink holes. 10' short of stamp at cr & loggins area.

091 - NW end of ls % ext. 20' at 150°, max 10' wide.

MA23 K-26 of Wells at p/t.

092³ - NW cr. of sink hole & r. of ls area. Ls passes abt 10' S of Δ.

093² - NE cr. of ls area.

% starts 15' at 045° fr Δ & runs 25' at 315°; meta-andes or basalt-gabbro.

094 - 10' left to small % of ls.

095 - 5-10' rt. to " " " "; 20' more to % of basalt-gabbro.

096 - summit of small knob, appar. underlain by " " "

097 - Centre end of spur.

Δ 24 - ls G 3500

K-27 of rj E of Harris' Ch, 28 of Δ 24 & beyond.

MA24 Δ 25 - on ls bench above G 3510

- 1977
July 18 setting flags for p/f shots fr $\Delta 14$ & nearby. Most are on or near ls-gid. ct. but one is on a tree uproot exp. rubble of mel-dio; this is abt 100' SW of top of % of $\Delta 46$.
Some cruising nr $\Delta 20$.
On to "Fallers' ls", setting 3 flags below G3000 & finding 2 sink holes just inside timber off SE cr. of logging. Fall. ls thru to top of logging N of slide on G3400, where it is flanked on NE by meso-dio. This area is sep'd fr slide area by a deep ck draw, which could mark a sliding fault. 2 more flags nr NE ct. Almost certainly a fault in small ck draw, where ls on SE is opp gid. Farther up there is a deep hole in this draw, with non-ls exp. on W side.
- July 19 Start new sheet ^{orient magnetically} at $\Delta 21$, 45' lower than $\Delta 20$ by alt., on "Fallers' lens" of ls.
 $\Delta 21$ ①63 - S end of ls in rd cut, prob abt 10' short of ct.
 ①64 - edge of rd, 20' fr N end of bank %, as part of tie to
 ①65 - edge " " " " " " of ctuous rd cut ls.
 ①66 - on hump of ls. more or less surrounded by sink holes.
 ①67 - " " " " " " 25' SW of draw. More ls. 20-30' twd Δ .
 ①68 - E cr. of ls % area. S tip is 30' at 175°.
 ①69 - N " " " " " "
 ①70 - W " " " " " " An % area 10' ϕ is centred 40' at 220°.
 ①71 - on knoll, on SW edge of ls %, which exts 30' rt (NE), 10' twd Δ , & 20' away. Disc. vehicle had been parked too close, so move it away & draw new magnetic line.
- July 20 ctu p/f "Fallers' ls".
 $\Delta 21$ ①72 - on knoll, on SW edge of ls. %.
 ①73 - NE cr. of this %.
 ①74 - nub of ls.
 ①75 - small nub of ls. Another a bit to left & ca. 30' back.
 ①76 - " " " " " " is 10' at 190°.
 ①77 - 10' short of rly ctuous % of ls along rim overlooking G3400.
 ①78 - 20' " " " " " " 10' % of intrus ∇ (meta-andes in l-d)
 ①79 - small % of ls on SE bank of small ck. An % ~~area~~ starts 35' twd Δ along ck banks & exts. 20' at 190°, 4' wide.
 ①80 - centre W side of ls % 10' wide & 30' long at abt 150°. 27' at 250° to deep hole at intersecn of 2 draws, which exps rotten ^{meta-andes} l-d on W side.
 ①81 - small % of partly skarned meta-andes.
 $\Delta 22$ - outcurve of rd skdr, opp edge of timber.
 ①82 - on small bank % of meso-dio; \angle hump of meta-dio 10' NE.
 ①83 - on hump of ls, 5' fr SW edge; another hump 30' back.

1977

July 22 chj of plan sect. logging betw 33500 & 3000. work on ls bulge:

TKA25 A 26 - down ls. 33510 N of loading area.

①98 - ls ct. with meta-andes, sp. 63^{1st} at top of rd cut.

No % in bench & lower slopes above rd cut.

①99 - bldr. or pass small % of weath'd g. d.

①100 - NE end of ls % on NW side of ridge is 12' back.

①101 - E cr. of ls ridge %.

①102 - base of % of g.d. - runs 25' at 100°

①103 - " " " " "

①104 - NE tip of ls %. Small % of basalt is 10' ~~to~~ right & 50' back.

①105 - ct. of ls. with basalt-gabbro on SE (ct. & lofs) - but this is but a dyke.

①106 - abt 40' short of tip of ls. exp.

A bit more ls exp. NE of 104. Ct. relns are obscured by dyking.

①107 - SE edge of rj % of Δ.

①108 - NE end of an intermed. rj of ls.

①109 - on ls. rj. of ①104

①110 - NW edge of rj % of Δ.

①111 - NE end of a lower ls. % running twd rd cut.

①112 - edge of loading platform.

TKA26 ①112 agn - as check in place of backsight.

①113 - NE end of dyke of ^{f. m/g} meta-bio striking 220°, abt 8' wide, sp. 63

①114 - NW edge ls %. It is locally cut by porph andes., sp 64.

1977
July
26

Fr. middle of shallow draw past 2d spur, polychain up 63500.

21-167 - rusty q.d. strong s.z. at 40', 035° 65SE. Grows $\frac{1}{2}$ g at 53'.Soil reddish along here. Some meta-dio nears at ~~52'~~^{75'}. Much chewed-up 97-127, with dev't of a ^{deep} grn. mial, sp. 55. - prob skarn. Rock 1-d. abt 72. Sheared ncn of meta-andes in qnd. 127-34. Ends with intrus ∇ of andes in l-d.

340-50 - poss. % of basalt.

450-77 - rubble & % of q.d.

673-94 - intrus. ∇ of meta-andes, mela-dio, & l-d.

799-849 - landing spur to E.

849-75 - mostly mela-dio; some intruding l-d.

July 27 Ctn polychaining up 63500:

919-939 - mela-dio.

953-65 - " - intruded by basalt

981-91 - hb porph. (Sp. 67) - lost?

1035-59 - " " grading N to mela-dio.

1094-1265 - mela-dio, $\frac{m}{g}$, cut by meso- & leuco-dio, & by an ^{2.5'} andes dyke which may be a Renfrew dyke, the att. is 085° 55 N. Also by another striking more Nly.

1310 - small draw trends 055°.

1383-93 - mela-dio in rd shdr - cut by l-d dykes.

1408-14 - " "

1390-1430 - stab rd on W.

July 28 1585-1605 - q.d. on W.

1627-33 - meta-andes on W.

1633-57 - q.d. on W. ctns blocks of meta-andes & mela-dio.

1657-1710 - mela-dio on W, with 5' l-d dyke at 1684, foll'd by m-a ncn & l-d at 1684.

1642-88 - " " " E.

1710-59 - intrus ∇ on W; mostly m-a in meso-dio.

1759-76 - rubby exp. of meta-andes on W.

1744-54 - mostly meso-dio on E.

1754-1837 - meta-andes passing to mela-dio on E.

1785-92 - meta-dio on W.

1837-70 - spur rd on E, with intrus ∇ ext. back 15' on it.1957-2004 - intrus ∇ of meta-andes in mela-dio, on E.

2054-66 - sil. rocks

2066-81 - meta-andes

- 2095-2215 - meta-andes passing to melu-dio, then grading back
forth with consid. shearing. Mostly meta-andes of
2125. l-d dyke at 2182. Ct. with l-d at end trends 060°
- 2215-2289 - leuco-dio ctg. Blocks of m-a. Badly chewed-up at 2270,
2370 - approx. centre of draw S of ls. To E of rd it runs 110°
for abt 200'.

1977
July
29

Polychain N on G 3510 fr A 26

Small cut of meta-dio 30' farther

Sp. 62 of andes in ct. with ls; exts 30' past cr fwd Δ, ^{vd} in part by l-d.

Start across rd, 22' fr Δ:

44-196 - small quarry runs back 30' fr normal rd edge.

71-141 - leuco- & meso-dio, ctg andes near at beginning & end.

179-196 - mostly meta-andes.

454-521 - meta-dio, cut by some dykelata of meso- & leuco-dio. At abt 495 the

" " appears to be grading to meta-andes.

521-57 - leuco-dio.

574-90 - meta-andes cut by meta- & leuco-dio.

596-615 - leuco-dio ctg meta-dio frags.

640-73 - progression fr ^{10m} leuco-dio to meta-dio to meta-andes to porph andes, & back to andes.

713-31 - andes

731-37 - meta-dio, ending at 15" gouge zone, 020° vert.

737-54 - andes.

754-60 - meta-dio.

760-812 - andes, cut by narr. l-d dykes.

812-45 - leuco-dio ctg. a few andes. blocks.

845-60 - rubby % of andes, cut by a l-d dyke.

Fr 900' pace 410' to end of rd at draw - no more %.

1977

July

start pl^t area at head of Kenfrew ck.

Alt rdg. \pm 45' at 9.15 AM at motel.

" " 1730' " 10.15 " in gul. pit. $\&$ 1750' a little later at Δ 1 above SEC.

Δ 1 ① - SE cr. of gul. pit, on stump 4' above ground. An alt. andes dyke at least 2' wide runs back just to S.

② - NE cr. of gul. pit, ls. blocks of chewed-up $\&$ cliche'd intrus. ∇ - sp. 51.

③ - NW " " " " , 10' SE of felsite, sp. 49, in well. This may not be true felsite as it seems to grade SW to chewed-up andes, sp. 50. ~~It~~ Break of 10', then chewed-up intrus. ∇ N to ④. Another felsite abt 35' at 200' fr ③ - this is fract'd but unshoared $\&$ is in abrupt ct. with intrus ∇ at abt 280° S-SW. - so is prob. intrus. into it. A 3rd felsite dyke is even more clearly intrus, truncating leucodiorite dykelets in meta-andes. Seems to be mostly meta-andes in S part of W side.

Work held up by sprinkling rain, then terminated by it, as clouds lowered.

There is a natural draw or sharp saddle lying mostly E of pit but passing thru just N of ① - this prob. the axis of the fault. Ends of ls. $\%$ s form a locus || to this.

Cruised for add'l ② $\&$ 2 stas, flagging them.

1977

July 2 poly chain up G 6000 fr start of % in timber.

0-34 - intrus. ∇ : leuco-dio crowded with ^{small} π cos of meta-andes.

76-121 - leuco-dio (here qz-bearing & so q.d.). Starts with fract, $070^{\circ}75N$, along which there is irreg qz veining. At 110' grows darker & ctas diss.

200-287 - intrus. ∇ : small & large blocks of meta-dio & meta-andes in % leuco-dio. π both diss. & as fract-vlts. 3 qz-segn. dykelets appear coming out of leuco-dio, but also regularly coming to cut it. Meta-dio appears a bit reconstituted.

320-63 - meta-andes (prob. - nes F-phos locally) cut by dykes of alaskite-pyromatite, sp. 52, 1-4" th, ch. over to leuco-dio at 346', which predoms by end %.

465-79 - mostly skarn, some meta-dio passes to a banded silic. rock at 475' sp. 54.

479-92 - meso-dio.

539-93 - % " " " , ctg a few large bloc of meta-andes.

656-701 - % starts 7-20' back fr rd: meta-dio with l-d dykes.

804-17 - " " " " "

829-86 - " " " " "

916-1000 - mostly meta-dio.

1356 - $\frac{1}{2}$ of G 6200.

1468-89 - chered-up meta-dio 10' back. Solid % % begins 20' back & comes out to rd cut 8' back at 1489; meta-dio cut by qz & ep veins.

1489-1587 - " " " " "

patch of skarn 1517; sil. andes. nen 1531. Locally grades to meso-dio. Some π vlts. Sev. other andes nens, more or less sil.

1681-1713 - meta-dio, m-%. (across rd fr ls.)

1738-81 - " " , mostly %, ctg. nen of porph., sp. 55. at 1747-50. Cut by l-d dykelets fwd end. Opp. %.

1796-1900 - meta-dio, % but gabbric in its weath' aspect, cut by irreg l-d dykelets.

1918 - sharp curve of rd & take off of stub to E.

1999-56 - meta-dio.

1975-2017 - f-m % meta-dio, cut by a few l-d dykelets.

2187-2231 - % meta-dio, close to meso at S end & % by meso at N end, where also a few frags of meta-andesite.

2306-13 - burned andes, prob intrus. into ls.

2318 - limestone.

2333 - bot curve of rd.

(over)

Up G 6200:

- 50-69 Mostly leuco-dio, etc. a little diss. π - 8-12' back fr rd.
- 132-222 Mixed leuco & melo-dio, with an andes. nca at start; 10' back fr rd. Chjs at 180 to gradations of l-d & meso-dio.
- 335-80 20-40' back fr rd; leuco-dio etc nca & lensy dykelets & andes. $\%C$ chjs still farther back to 427.
- 600-20 Leucodio etc. nca of melo-dio - rather chewed-up. Cut by a peg dykelet. $\frac{1}{2}$ 10' back fr rd.
- 620-75 Melo-dio, cut by l-d dykelets.
- 796 Centre of inside rd curve. Move chain 14' across rd to ~~same~~ ^{restart at 0}
- 20-58 26 back fr rd; melo-dio, with andes. nca 46-50 & at end.
- 114- 15' " " " , leading into quarry at 129; leuco-dio, traversed by narr, tight, 92- soaked s.z. At 166 it is 50' back to quarry wall, still on mass. l-d. Wall is 90' back at 243. Opp. 213 a large s.z. dips left at 45°; in FW rock is fly & dk grey, sp. 56, cut by leuco-dio dykelets.

July 17 '77 - Tie in zone 4 ("Martins Pit") by Brunton-tape

Flag way in to zone 4 at 250° from elbow of GG200.

From upper corner of elbow:

52' - 239° - low \angle .

74' - 239° - " "

55' - 241° - $+40^\circ$ - 42' hor.

44' - 248° - $+36^\circ$ - 36' "

53' - 245° - low \angle

95' - 257.5° - flat.

80' - 251° - low \angle - ch channels 52-90'.

78' ~~78'~~ - 262° - $+18^\circ$ - 93' hor.

97' - 262° - $+23^\circ$ - 81' hor.

26' - 222° - flat - to DDH #1 at N end.

101' - 266° - low \angle - to DDH #6 " 5 " - obviously brg. is haywire due to magnetite

262° (60th)

1977

July

26 Resume pl't of saddle pit area PM. Desig. A at pit entrance A27

TR A27 Re-shoot @ 1-3.

A27 is 25' fr edge of road.

04 - N end of 6x12' % of meta-andes cut by 1-d dykelets.

05 - W edge of % of intrus v ext. 20' fr pit rim.

06 - cr. of pit, 15' left of " " %.

07 - end of pit %, 7' back fr road.

08 - W edge of rd, app. start of sharp corner.

09 - in draw - prob on centre of fault.

010 - NE cr of % area of A - on ls.

011 - W cr of ls % area.

012 - 10' short of NW cr of this ls. % area.

013 - 10' short of ls. ct. & 4' of skarn exp. in uproot.

A28 - on ls, nr ct.

014 - start of rd curve, inside, 9' fr rusty %.

015 - N cr. of 8'x12' % of chert, sp. 68.

016 - middle of draw, 30' rt of base of ls %, whence 30' fwd in to small % of q.d.

017 - NW cr of scald ls exp. SW of rd.

July 27 Ctued pl't saddle pit area PM:

TR A28 018 - in small pit on 1' of skarn along ct. of ls. with tuff; 5' fr W end of exp. 20' farther to N edge of tuff %. % exts 12' rt of @. 5' of ls exp. r in tuff is $110^{\circ}35'S$.

019 - on skarned dykes, 3' left of ls. Alt 20' left to top of % of tuff at ct. with dykes.

020 - on shoulder of ls. Hillside cuts back to S.

TR A27 5x10' % of meso-dia intruding the ^{tuff} chert 10' NW of 018 & 21.

021 - E cr. of % of meso-dia intruding pass tuff; exts 15' N draw, 3' wide.

Large body of q.d. cty, tuff frags. starts 20' at 290° fr 015. This % also along contour, more tuff than q.d., then drops to 022. A retreats up W.

023 - centre of 15x20' % of ls.

024 - on a small dry channel of Renfrew Ch; 30' at 175° to main channel.025 - 5' short of end of ls. %, 25' left of % cr., & abt $150'$ short of big bend of ch.

July 29 Fin. pl't saddle pit area.

TR A27 026 - 15' rt. of cr. of rd

027 - E edge of rd, 3' fr S end of larger ls % of late July '76

A29 - on sig stump nr 025

TR A29 028 - 2' short of ch. at big bend, where it is 30' wide

029 - 30' " " "

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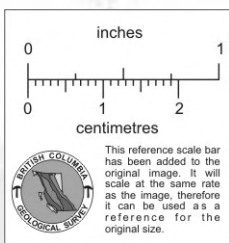
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R51

July 28 '77

Locate SW ct. of N belt ls. in Renfrew Ck: it is with fresh andes. or basalt & lies $290^{\circ} 75'$. It seems to be offset 4 or 5' left across ck. 190' downstream to sharp bend - by pace. Actually main bend is abt 230' down.

Follow ls. ct. (or rather edge of $\frac{1}{2}$) for abt 300' W of ck & it ctas $290-295^{\circ}$.

A bit of skarn along ct. across trib. ck., which runs 170° for abt 100' to blue ribbon rdg 24N, 5W ctu down this trib, which goes undg & rtn to R. ck at edge of logging.

$\frac{1}{2}$ of fresh andes around big loop of R. ck. 10' l-d dyke where creek turns to flow 130° . More l-d abt 50' farther.

1977

July 31

Rock encl. mag (re-mapped) in N pit is andes, feldspathized in part. 5' past mag st. mag exp. it is intruded by leuco-dio. dyke 7' wide, str. $050^{\circ}65SE$. Abt 20" of skarn abt 30' past last mag exp. ∇ " by 1-d & dev't of some skarn in S 50' of quarry. Otherwise rock is meta-andes.

Re-examine $\%$ of feldspar porph. & diorites nr. Renfrow Ch on next spur S: ct. rel's not entirely conclusive, but show:

1. porph. seems fresh everywhere, whereas dios are partly skarned away fr. ct.
2. " gnass seems to grow ~~from~~ denser nr. ct.
3. there are no leuco-dio dykes in porph., tho 1-d here intrudes meso-dio.

Mixture of dios ctus under hrj. Dk-wenthy rocks along ch for 80' down fr hrj, then a pass. block of $\%$ of ls., below which ch seems to be in orb.

Fr 2d flag, at $\%$ cr N of S belt ls., it is 255° to low hump of ls overlooking ch & 260° to ls. $\%$ abt 140' fr rd, which is in ct. with $\%$ mola-dio on N. This is on W side of a small ch gully; intermittent ls. on N side to a point 195° fr 2d flag.

Fr intermed. cr, which is last rd cut $\%$ of ls., there is a rj running down with $\%$ of meso-dio abt 360' fr edge of rd. Fr 60' off rd here it is 285° to S ct. of ls, with prob skarn; 185° fr N flag.

Hump down fr 1st flag is underlain by ∇ of andes & 1-d, capped by skarn, so all ls. evidently skimmed off.