

006121

1976

June

1

Wet (Amax)

Quarry off Br 211 nr 0/0: Rock is slipped, sheared, & gauged in sec. directions with blotchy ep, & hem or slips. <sup>Partly</sup> ~~total~~ appar. sil. d, sp. 1, the fresher rock is gen'ly dk, sp. 2. Some py & less moly, both along dry fractures, & in part smeared out, sp. 3.

Very old quarry at a: F porph. dyke, sp. 4, cutting sil. rock ctg. py & moly, sp. 5.

Smaller old quarry b up old rd: appears to be unpyritic andes. dyke betw a F porph dyke & q. monz. of stack, sp. 6.

Rd cut c: sil. rock shows veins of f/g grey volc, & is cut by dia dyke, sp. 7.

Make way down ck. trib: a qz stockwork at one place has main vein trend of 305°.

At lunch up Br 211 A1: Poss thin  $\rho$  345° 50' W, sp. 8; elsewhere in this  $\rho$  <sup>(d)</sup> shows x/s & tight folding.

$\rho$  c - lanco - q. di., sp. 9. More mafics by end of rd.

Talus slope f: qz-rich q. di.

Br. 213 B, just above jc with old rd: ditch  $\rho$  g: prom. fract. in ditch appears to sep. alt. volc. & dia on W fr fresh dia, sp. 11, but to S rock on both sides is slabby & alt.

Pt. h: ~~an~~ an v/m dyke, sp. 12, 6" wide, cuts dia & an nca. of alt. volcs. A sim. dyke 2" wide, cuts dia & an andes dyke which cuts the dia.

Cruise up new cat rd opp Br. of photo pt. 368, & find only siliceous volcs, then up neighbouring ck & find almost everything but ls.

Rd cut m: rd on q. monz., sp. 24.

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92C083

1976

June 2 work along Br. 213

Quarry i: fresh dacite on W, sp. 13, foll'd by a 25' band of alt. sil. rock, sp. 14. This gives way abruptly to fairly fresh, if much-slipped, andes. <sup>sp. 15</sup> A set of s.z. lie 080° 60N. Towd end of exp. weath'd surf has blotchy pattern of a volc. v. ctuing common py.

Fairly fresh porph. dacite betw. quarries, sp. 16

In quarry j rock is generally fresh & mostly andes. It is cut by 2 shear & gouge zones at 000° 75W, & by a s.z. at 030° 75W, along which there is consid. rusting. Sp. 17 of andes with ebd. phenos beyond these s.z. Sp. 18 of andes with porph frags fr quarry divider.

In E 1/2 of quarry an irreg E-stry s.z. dipping N divides fresh andes on N fr alt. rock in FW. Photos + 1, 2 of hammer & asst. on this s.z. Sp. 19 of alt. rock ctg. unident. gen. min'l.

Alt. rock has a paced width of 80', ending at another s.z. Rock beyond is fresh andes, tho locally replete with py. Locally grades to dac or rhyodac, cut by an andes dyke with thick weath'g rind.

Abt. 30' of deeply weath'd rock, then sp. 20. Some more andes, but mostly dac, rhyodac, or even rhy, to quarry k.

1st part of quarry k is more or less siliceous, but main part is in andes, sp. 21 notwithstanding. Looks to be essentially andes. to end of quarry.

Going into quarry l rock is appar siliceous, prob. rhyodac, but in quarry proper it is andes - sp. 22 fr nrly 1/2-way along quarry. At middle a s.z. lies 065° 50 NW & seps rel fresh andes in HW fr. alt. dacite or rhyodac in FW. Andes. resumes in 5' or 10', but a more siliceous rock appears abt 80' b' end of quarry, sp. 23, & ctus to end.

rd cut m<sub>1</sub>: vd or q. monz., sp. 24

% m<sub>2</sub>: vd on N, porph. andes, sp. 25, on S.

% m<sub>3</sub> mixture of andes. & more acidic volc. rax, injected by vd tongues & so locally hybridized, <sup>sp. 26</sup> & in one place ctg. a tsp. of mag. Cut by a 1' N-stry <sup>andes</sup> dyke which is cut into by a vd dyke. Actually the contact relns. of vd & the andesite (or basalt) dykes are equivocal. N-ward the mafic dyke ~~app~~ narrows & approaches an identical dyke, but they do not meet within %, being sep'd for last 15' by fairly massive vd, but not transected by it. The gen'l pattern would indic. that the mafic dykes intrude the intrus. complex. They may be equivalents of the u/m dykes noted at pt. h yy.

92C083

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JUNE

3

Thurs. Sunny & warm. Back to m - %<sub>60</sub> then out side rd.

% n - rhy or rhy dac.

%  $\sigma$  - rd, massive.

% p - contact zone: irreg. tongues of rd or gd hybrid in partly rexted volc.

Small %<sub>4</sub> or large block of siliceous volc.  $\nabla$  at p, photos tx 3,4. A rd sim.

block abt 80' N, but forms part of a gp of exps design. r: fairly siliceous volc. without obvious frags, with sliver of andes on NW - poss. a dyke.

% S: ctued ct. zone of rd stork; tongues in basically andes. Both cut by an irreg. mafic or u/m dyke.

Photo tx-5 of ct. in m<sub>2</sub>.

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