

May 11 / 70 Nisling Area Recce clear weather

/ 10:30 AM from Camp site. Check out Vector cache.

/ EW linear S bank Dip Ck shows a slight reverse dip in top along spurs, possible vegetation anomaly, maybe increased moisture.

/ Stevenson Ridge amphibolitic Yukon Gp striking along ridge crest, dip steeply.

/ Reddish patches on a small drainage south of Klotashen R possibly vegetation

/ VR-1 quartzite

/ VR-2 Yukon Group north of site, black schist dipping gently southward. Basalt at VR-2, andesite contact. Yukon Group to north. 5 ft vertical jointing, phenocrysts in volcanics. Photo taken of granodiorite spires. Horizontal jointing in granodiorite

/ VR-3 Flat-topped ridge, orange weathering soil.

Location immediately south of a long ridge of granodiorite spires. Small stock of ~~quartz~~ quartzose fine-grained granite. Dyke swarm of similar granite noted on air photos. Granite or plagioclase cuts a slightly coarser-grained, lower quartz (quartz monzonite?) member possibly of Cosma complex. Feldspars white, chalky. No visible sulphides, but contains rusty microlitic cavities, rusty stains. Soil and rock samples taken around periphery of small hill

VR 3A Small rusty area <sup>to the west</sup> below VR-3, ~~towards~~ towards Nisling R. Granodiorite.

VR 4 Originally planned stop is granodiorite. New stop 1 mile east. Rusty quartz monzonite, also a coarser-grained mesocratic, porphyritic phase present.

VR 5 Quartzite. Chain of granodiorite spurs to north of this stop.

VR 6 No landing, bushy. Drainage nearly unsuitable for silt sampling - swampy creek, grass bottom.

VR 7 mag high. Truncated spur south of Casino winter road. ~~Western~~ Southern tributary of meandering east of VR 7 is source of iron stain in creek bottom, drains area of mag anomaly. Main south tributary contains no gossion upstream from fork.

VR-8 Fine grained, foliated mafic-rich Yukon Group feldspar-amphibole gneiss, or schist. Altered outcrops between stops 8 and 9 resemble Yukon Group rocks.

VR-9 Fine-grained porphyritic hornblende andesite. Between stops 9 and 10 generally flat-topped ridges; probably volcanic topography. Long, smooth-topped spurs trending northward - possibly granite.

VR 10 E in a saddle just below peak. Uniform textured black basalt.

VR 11 Small mag anomaly. Rim of a flat plateau. Porphyritic basalt.

- VR 12 Basalt. Responds to mag high.
- VR 13 Dautic agglomerate or pyroclastic.
- VR 14 No landing, heavy brush. Scarp above river to south look like basalt.
- VR 15 Blocky basalt. Vegetation: low swampy ground east of stop 15, small spruce trees. Small kettle-like lake between stops 15 and 16; has raised rim and creek diverts around lake. Collapsed pingo? White ash (?) on knob 1-2 miles west of stop 16.
- VR 16 Yukon Group quartzite and gneiss overlain by White River ash. White patches on air photos are ash.
- VR 17 Water sample 17 taken in small tarn below. Cross onion creek to VR 27. Yukon Group on west bank. Bottom of valley has ~~VR 27~~ several small lakes and may be glaciated. Appears to be Yukon Group south of lakes.
- VR 27 Coarse grained hornblende granodiorite.
- VR 28 Very coarse grained hornblende granodiorite. Black basalt erratics from flows above.
- VR 28A Quartz monzonite from saddle between stop 28 and 29. Slightly porphyritic.
- VR 29 Coarse grained bleached granodiorite or quartz monzonite. Rusty area to north of 29 along ridge - granodiorite at VR 29A. Sheared granodiorite at VR 29A, B. Yukon Group to north - probably shearing along contact.

VR-25 Reddish outcrop north of VR 29. VR25 is a quartz feldspar porphyry with a greenish-pink matrix. Possibly contact phase of Klataasin batholith. Smooth-topped ridges west of VR 25, buff weathering.

VR-26 Strong NNW linears. Medium grained quartz monzonite or granodiorite. Rusty patches, Mn stain, unidentified green mineral. Probably magnetite present. Topography between 26 and 18 is rounded, rusty-weathering hills that should be examined.

VR-18 Broad flat plateau-like surface. Blocky-fracturing in fine-grained granite with microlytic cavities.

VR 19 Yukon Group biotite gneiss. Cross a contact with granodiorite to east enroute to VR 20. Strong NNE fault linear north of Redtail L.

VR 20 Blue fine-foliated Yukon Group quartzite, contact with fresh biotite quartz monzonite. Vertical joints or shears in quartz monzonite. Strong foliation in granodiorite parallel to valley. Rusty patches along NNE valley walls should be checked out.

VR 21 Slightly rusty porphyritic andesite

VR 22 Ridge south of geochem anomaly. Katite porphyry. Interesting-looking rock. probably some por. andesite as VR 21.

VR 23 Above small anomalous branch of Rhyolite Ck. Reddish stain on rocks on east side of creek. Schistose Yukon Group quartzite, rusty, quartz lenses. Red residual soil over outcrops. Also a diabase dyke with disseminated pyrite.

- VR 24 Biotite schist and gneiss
- VR 31 Fine grained granite porphyry, pink to buff coloured.
- VR 57 No landing, too ~~busy~~ bushy.
- VR 58 Fine grained leucocratic granite
- VR 59 Andesite
- VR 60 No landing, looks like Yukon Group all along north bank of Nelson R in this area.
- VR 61 Granodiorite spersed.
- VR 62 Green andesite.
- VR 63 No landing. Looks like granite.
- VR 64 Soft green fractured andesite.
- VR 65 Coarse grained biotite hornblende granodiorite  
South flank of Mount Patterson looks like  
~~it is~~ all granodiorite.
- VR 66 a swarm of small dykes ~~see~~ <sup>east</sup> of Selwyn  
R. Granodiorite dykes cutting hornfelsed Yukon  
Group.
- VR 67 Granodiorite
- VR 68 on major northeast fault. Basalt.
- VR 69 Along fault to south of VR 68. <sup>Silicified</sup> ~~Granite~~  
basalt at crest of hill with basalt running along  
the southern side of the knob.

Feldspathic quartzite or andesite rock. May be metasomatized

VR 70 Pillars due east 200' from last site. Reddish-buff high-feldspar latite rock - fine to medium grained. Could be syenite

VR 71 mag high west of Mt Coakfield lineament. Dark green epidotized andesite.

VR 71 A 1000' south of VR 71 - same andesite

VR 72 Green pyroclastic rock. Feldspar crystal tuff

VR 73 Top of flat hill. Dark green andesite

VR 74 Grey, quartz feldspar porphyry dyke with rusty vugs, probably pyrite. A latite dyke also occurs here - both cut medium-grained porphyritic granodiorite. Red residual soil developed over quartz porphyry.

VR 75 Medium grained quartz monzonite or granodiorite. Red soil.

VR 76 Granodiorite stock or dyke cutting Yukon Group.

VR 77 No landing. Looks like granodiorite along the lineament.

VR 78 No landing. Too bushy. Granodiorite

VR 79 Fine to medium grained quartz monzonite or granodiorite. Silt sample taken here.

VR 80 Silt sample site hypoxyl.

VR 81 No landing. Looks like Yukon Group.

VR 30 Coarse grained granodiorite in contact with a hybrid andesite.

VR 32 Kspar-hornblende porphyry cutting both Yukon Group rocks and granodiorite

VR 32A Yukon Group. Silt samples V 32A  
South fork, V 32B north fork of anomalous  
part of Phylite creek.

~~VR~~ VR 33 Bluish green porphyritic andesite with white feldspars.

VR 33A Rounded dome. Quartz feldspar porphyry -  
~~is~~ very interesting rock. at site 56.

~~VR~~ VR 34 Foliated granodiorite

VR 35 Black biotite graphitic (?) schist - Yukon Gp.

VR 36 Rusty granite intruding red altered Yukon Gp.  
This area should be checked. Steeply dipping  
EW shearing in granite.

VR 37 Medium grained alaskite. Argillic  
alteration, possibly supergene. Rusty scoria  
and streaks possibly from pipe. No visible  
sulfide. Alaskite cut by a family of acidic  
porphyry dykes. Steeply-dipping rusty shears  
at east end of outcrop.

V 38 Fine grained leucocratic granite or alaskite  
porphyry. Rusty residual soil.

- VR 39 Coarse grained, fresh granodiorite. Reddish residual soil.
- VR 40 Head of creek anomalous in Mo. Rhyolite porphyry.
- VR 41 Rhyolitic rock gives way to coarser grained rock as VR 41 is approached from VR. 40. Slightly rusty spherulitic rock and porphyritic rhyolite. Hard, competent green rock. Reddish hill 1000' east of VR 41 looks like rhyolite.
- VR 42 medium grained quartz monzonite, with associated fine buff rhyolite (VR 42A)
- VR 43 Fine grained granite at head of creek anomalous in Cu, Mo. Interesting rock.
- VR 44 Yukon Group schist. Soil contains ash, may be low in metals. Apparently Yukon Group on N bank making enroute to VR 45.
- VR 45 Laminated bluish grey Yukon Group chert or cherty quartzite.
- VR 46 No landing. Yukon Group with shallow N dips.
- VR 47 Buff feldspar porphyry. Interesting rock.
- VR 48 Yukon Group cut by an intense rock and mined by quartz.
- VR 49 No landing.
- VR 50 Rhyolite with rusty cavities, spherulitic texture. Rounded dome hill-like lava.

VR 51 Abundant phylite in area - rusty colour to rocks. Phylite with small quartz veins and minute rusty cavities.

VR #52 No landing

VR ~~52~~ 53 Yukon Group metagraywacke.

West of VR 53 along Moberg R; first Shovel granodiorite, then all Yukon Group west to Klaga R., except for numerous granodiorite dykes and a granodiorite spur south of Klaga junction.



Opfers - start.

300 paces - trib. from N. B-1, B-2 on the main Creek

800 paces. rusty rock or metallic in rock

See page -

