Traverse # 53

July 11 Walter Hamilton 020526

Traverse on Creek flowing East into Tyrrell creek, the junction being about 10 miles N of camp. From the Geologic map I expect to begin in Yukon group, pass through ~~rhyolite~~ andesite, basalt etc, and finally into rhyolite (porphyry)

28131 W 11-1 2 pieces of same rock float Considerable ~~Pyrrhotite~~ in Yukon Group rock. Py. concentrated in qtz vein - Yukon group, quartzites, on the ridge where Neil landed 2 miles N.

W 11-2 float @ junction of 28131 + 28132 Gneissic granadiorite ? considerable mineralization, believed to be Chalcopyrite but possibly pyrite. Check with Gary. Resembles Py. but seems to be softer and greener. No cubes seen on the surface of the broken face.

11-3 Fl From junction of 28131 & 132. Syenite (Granitic texture, dark minerals biotite & hornblende, almost no qtz, light minerals almost all feldspar) Minor Pyrite.

Summary of 28131 creek: Almost all Yukon group float—one syenite rock. Considerable Py & C Py ? ? found in float rock

Talus on West side is felspar, qtz, schist

28132. Y.G., mostly qTzite float
Talus to Sand ± Y.G.

28133 No float, overburden on hills

W 11-4 Quartzite Fl. ± Pyrite. 200 yds upstream from mouth of 28133 - Hornblende biotite quartz feldspar granite Fl.

- Also minor qtz feldspar porphry ± leached cavities

11-5 Same place Dark quartz-rich rock with numerous hornblende spicules

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The f.l. is still primarily Yukon Group although some more granite appears to have come from somewhere. (W 11-6)

28134 90% of the float is biotite quartz hornblende feldspar granite
No foliation
- a few quartzites.
- Talus to W. + S. is fine grained granite. This continues around the hill. About 200 yds down there is minor pyrite in a small talus containing both the f. grained granite (= P_y) and the more coarse granite found in creek

Float in Main Creek (Crossing to get 28135)
Almost all c.g. granite and f.g. granite
A few quartzites + biotite or muscovite schists.

28135 f.l. is intrusive - quartz feldspar porphry. Some have lots of leached rusty cavities.

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28136 Mostly (≈95%) Granite float. Similar to the coarse grained granite from 28135 bit ↑ less hornblende.
- A bit of quartz porphyry
- a bit of Y.G.

C.g. granite on Talus slope S of 28136
This continues to next creek

28137 Mostly c.g. granite float. A bit of qtz feldspar porphry and a bit of quartzite

It looks like there is an intrusive-Yukon Group contact near the 1st sample site

C.g. granite ↑ big chunks of feldspar on talus slope S. of 28137
- Rusty, leached, felsite 100 yds down
Continues to next creek

28138 No float. One small stone was Y.G.
Talus to S is leached Fspar porphry.

28139 Almost all feldspar porphyry (less leached here than the preceding 1/2 mile) with some coarse texture granite

28140 Across Creek - N side - Float almost all feldspar porphyry or qtz porphyry. Some fine grained granite.

28141 across Creek again - S side. Stream dry Float, very fine grained granite, rich in feldspar + ± hornblende specules + Feldspar quartz (dark) porphyry - Very minor quartzite

- Across Creek again. N side. 200 yds W of 28141 qtz porph talus
- + 100 ft - qtz schist outcrop 20' x 10' S = 10°, D = 10°, E.
- I walked back at 100' elevation to find the exact contact
- One more qtz schist outcrop 80' along
- Another 50' + outcrop of intrusive R 11-7 is the intrusive - andesite many of small rice-like feldspar phenocrysts

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Up the hill 100' & then 100' to left → at Yukon group. 100' further W, qtz porph. talus. 100' further - no rocks - on bank of creek sampled before. - Walked up it 150' - found one small intrusive rock. Walked back East on hill 300', then down to creek again. Going down, found loose rocks of both intrusive + yukon types.

11-8 - is one such rock - a quartz feldspar porphry & highly altered feldspars. No mineralization was found in this contact area.

T-28/42 across creek S. side + float all intrusive. Mostly qtz porphry, some fine grained granite.

Crossed creek again, no HCHo channel in valley opposite. Walked E on N side. after 2000 ft came across qtz feldspar porphry loose rocks.

Crossed Main stream about 200 yds upstream from T-28:43. Talus there was all intrusive - feldspar qtz porphry

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T-128/44 all float intrusive f.g. Gr. Qtz por. fels porph. Note, no 143

The entire South Side between T-128/143 & 144 is intrusive - f.g. Granite and qtz feldspar porphry. Some of the Kspar phenocrysts are quite large - 5mm, rectangular, and white.

T-128/145 - No float but looks like porphry rock at headwaters

Crossed Creek N side

T-128/146 all intrusive rock Leucogranite, qtz-porphry, fspar porphry

T 124/147. No float. Small stream from S side of main creek

T 124/148 - All intrusive float Granite & Porphry.

Traverse #55

July 12/1970 Walter Hamilton - Pg 1

Traverse on creek flowing West, joining Tyrrell creek 10 miles North of our basecamp

- Setout on the South ridge at the extreme headwaters

12-1 Feldspar felsite porphry. Some rusty cavities

Walked NE across deepest saddle. Talus on the other side was all porphry too, qtz. Por., fels. por, & felsite

T-28149 No float but it looks like porphry at the headwaler is highly fractured flaky rock

- Later, 50' more, another channel + float. Mostly porphry, qtz + fels; Trap + felsite, no trap found at beginning of traverse

- One (~~last float~~) feldspar hornblende brittle quartz coarse textured granite found

T-28150 All intrusive. Mostly porphry qtz. + fels. or fels. por. Bit of the granite described earlier

July 12/1970 WH Pg 2

Some slightly red soil is ½ mile upstream on N. side

T-28151 All felsic por. or felsic qtz por. Some rusty leached cavities but not many. Qtz phenos. usually very dark when present. No c.g. Gr. or Yukon Group.

T-28152 Stream dry. All felsic porphry float grading into fine grained felspar rock (Yuko granite)

T-28153 Mostly qtz, felsic por. Bit of coarse grained Gr. described earlier.

Continuing on, on S. side, entire talus is felsic por. Crossing creek, talus is likewise porphry, not quite as highly fractured rocks & with more qtz phenocrysts

T-28154. 1st appearance of Yukon Group in float. ≈5% is quartschist & quartzite About 10% coarse grained granite, the remainder being felsic por, qtz

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por, or fels., qtz, por, or felsite or trap lacking phenocrysts

11-2 – Considerable finely disseminated pyrite in trap ~~of~~ (Cask Gary) ~~=~~ dark, very finely laminated Yukon Group.

11-3 Considerable finely disseminated pyrite in felsite.

– Crossed Creek. Talus to S is still all fels. por.

T28155 All intrusive Mostly porphry, bit of coarse grained Granite. Saw Hugos tent in trees on Main Creek. Talked to Ron 20 min, crossed creek. Talus all intrusive, mostly fels. porphry. Crossed creek again

T28156 No float O.B. on headwaters Looks like Talus of porphry on ridge to S & N. Crossed Creek

T28157 10% of rocks are Yukon Group - quartzites, quartz chists, muscovite quartz chists. 90% are

intrusive and, of these, 90% are of the porphyry types, mostly andesitic qtz por., 10% of the coarse granite type

11-4. Pyrite - minor + finely disseminated in quartz chist. Rocks were broken for 15 minutes but this was the only mineralization found, except perhaps for a bit of pyrhotite in Y.G. Crossed creek

28158 No float. Headwaters look like porphry

28159. Just a small seepage from the hillside. The only two rocks in the silt were feldspar porphyry

28160 About 50% Yukon group (quartz chists, quartzites, muscovite q-s. About 50% intrusive (mostly porphyry, some coarse grained granite.

July 13/1970 Walter Hamilton
Traverse 57. Near MAX Group
3-4 miles W of present 57 ~~Camp~~ Camp Don Francis
Got off in the saddle 1/2 mile South of ~~a~~ planned spot to investigate some red rocks, believed to be ~~felsite~~ felsite, on the E slope. Right in saddle - ~~Qtz~~ About 95% of the rocks in the saddle, marked on traverse by a ● mark are Yukon group - quartzite There is a quartzite outcrop to the South, on W side, 80' from ridge. The remaining 5% is felsite - Walking South on West side of ridge. - There is a clear-cut contact about 150' along. The rocks are 95% intrusive (mostly feldspar qtz porphyry (very dk. qtz) 5% intrusive. Another 80' along is an outcrop of intrusive. Two Gossans were observed, (marked on the traverse as ⊠) one on the E. slope of the ridge about 1/4 mile away at 260°, the other on the ridge line on at South 1000' on the W side of the ridge.
Over

W 13-1 Quartz shist with qtz vein

13-2 Finely laminated quartz shist showing one series of laminations superimposed at 30° to another series

13-3 Felsitic feldspar porphry

13-4 From the intrusive outcrop.
Fine grained dk-qtz, felspar granite with minor hornblende.
Bordering on a qtz-feldspar porphry.
- Continue walking South to Gossan, W side of ridge, 150' from peak.
- Another 80' - About 50% quartzite 50% porphry now. The feldspar porphry has feldspar phenocrysts which are altered considerably - bleached almost white in some cases. The quartzites have a high incidence qtz veinlets cutting across the laminations

13-5 Fair sized (.8-1.5mm) Pyrite Cubes in quartzite
The quartzite soon stopped - the entire

area South of the contact mentioned earlier is clearly intrusive. Passed over 600 feet of intrusive - big rocks - felsitic feldspar porphyry with highly altered feldspars. About 200 feet from the red Gossan ran into outcrop of andesite

13-6 From outcrop - Minor Pyrite in Andesite

13-7 From same area. ~~Presumably intrusive rock which has been subjected to great heat and/or pressure~~ Yukon Group - from G.P. weathering

13-8 50' along. Finely disseminated pyrrhotite in quartzite. Very rusty weathered surface. Don't know what a quartzite is doing here.

Ran across red talus slope 50' wide - finely fractured ~~gab~~ intrusive, then fit quartzite talus - finely disseminated pyrite in many, then intrusive again with some quartzite right up to the Gossan. In general, the mineralization seems to be in the Yukon Group quartzite - The

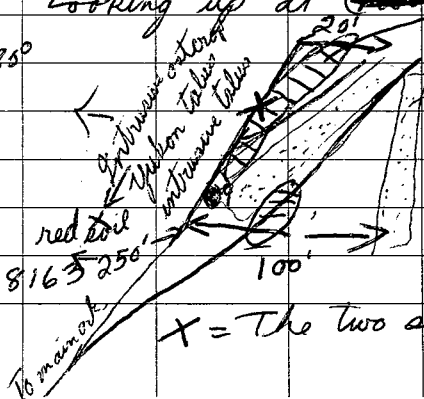
felsitic feldspar porphyry is highly altered but no mineralization has so far been found in it -

- Chalcopyrite, considerable, was found in a rusty weathered quartzite in stream bed 70' below the red outcrop which I last noticed 1000' back.

The red outcrop was quartzite - with chalcopyrite, pyrite, and pyrrhotite - 30' SW of it is intrusive again - an outcrop ridge running 100' down then some more rusty mineralized quartzite, and 50' further on is uninterrupted intrusive again. Two soil samples were taken:

S-28161 - Finer stuff on surface or close to it

S-28162 - Rusty stuff 5" below 16" away.



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13-9 Quartzite talus - heavily mineralized by Chalcopyrite

13-10 } Ditto -
13-11 }

13-12 Outcrop of the Gossan. Red weathered quartzite with considerable pyrrhotite and Chalcopyrite mineralization

13-13 Same outcrop ~~of~~ quartzite, very heavily rusted. The two soil samples, 61 & 62, were taken in this area

13-14 Intrusive at western boundary of Gossan
Felsitic felspar porphry with altered felspar phenocrysts.

Retraced my steps going N to get soil sample

S-28163 Red soil
Up hill to peak Red mineralized quartzite. Then going N, run into intrusive again. Found stakeposts ~~# 1 #~~ L 7 and L 8
1500 N. L, 1500 N, R

May 29/70 L Carlson

July 13 W.H. Traverse 57 Pg 5
And Post 2 I-5, I-6
May 29/70
G. Carlson
- Must not be recorded because claim sheet doesn't show them
- The 2000' back to the saddle had alternating intrusive + yukon. The initial red talus spotted from chopper was felsite. Going down the shoulder into the saddle turns into quartzite.
5-28164 - Soil sample taken on ridge - saddle where I/st got off red soil.
Left my rock + soil here
Going N on ridge'
- saddle proper - felsite
- Going up ridge - saddle
for 300' Con[illegible] of ridge
80 feet from top. Then quartzite again. This continues right to the tributary ridge. Crossing the trib ridge into new drainage system there is quartzite + porphyry-felsite intermingled in talus.

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Another 100 feet and there is a outcrop ridge of andesitic felspar porphry Going down I crossed back 60' to the E + went down

28165 1st sample - every 100 ft Clayite + felsite alternating after 170 - Intrusive after 174 - every 600 ft because short on bags.

After 175 Rusty outcrop of andesitic felspar porphry - same ridge as the rusty talus just S of saddle on E side - at beginning of traverse - Small showing of pyrrhotite found in one rock only.

177 - SILT instead of soil - Creek has formed a V in andesite outcrop intrusive

Rock 13-15 Quartz vein in quartzite Pyrrhotite. float rock

178 - Silt - 300 ft from 177. Very

rusty rock - rustiest I've ever seen - burnt appearance was a float rock in creek. Lots of sulfides. Took big chunk home for assay.

R13-16 ↑

Silt taken is 178 flows through outcrop of felsitic feldspar porphyry.

179 Silt also - In bottom of saddle almost but still draining W side

180 - Soil - East side

GP. Et.

July 18/1970 Walter H. Traverse
67; 115G9. N flowing creek
into ~~Ta~~ Talbot Creek, 2 miles
West of Alaskite Creek.

The G.S.C. map says I'll
be in diorite, granadiorite,
quartz diorite, granadiorite
gneiss at the beginning &
rhyolite dike stuff at the
end.
The 1st part & South is
staked - Cu, Mo, Fl, Tungsten.

18-1

28207 - Steep walls of Granadiorite
intrusive all around

28208 - all Granadiorite float
18-1 Quite a bit of hornblende.
No Y.G. whatsoever. Not
many rusty rocks - One was
found with some Pyrite and
Pyrrhotite

18-2

28209. all ~~Granadiorit~~ Granite
Medium Grained Talus to the
East - If what I saw from
Later - it wasn't limestone. the chopper was limestone -
about 1½ miles NWW of here on
the W side of the big fork of this
creek, there's a contact somewhere
18-3 Limestone talus about 300'
further on. On W side.

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Across creek - Mostly Gr. Diorite float Some Limestone

28210 - S

18-3 → Fl. Pyrite in rusty quartzite
To 28210 (E side) is all
Gr. Diorite talus. Across the
stream, on W side, is
Gr. diorite, leucogranite
+ 1st sign of quartz porphyry
+ qtz feldspar porphyry -
There is a Gossan ~ 50'
along creek, on West side
500' up in elevation ie almost
on top. Before that, about 100'
up in elev. on a gully in
between is an outcrop of red
rocks. On way there came
across a rusty quartzite
c̄ finely disseminated
pyrrhotite

18-4 ↗

18-5 50 ft up, similar, with
pyrrhotite & unknown
reddish striated mineralization
(Fluorite??)
The red rock is Yukon
Group - quartz biotite schist

18-6 From outcrop Qtz biotite
schist c̄ lots of pyrrhotite
Soil Sample 28212 was
taken a few feet below

July 18 Pg 3

The Gully is the dividing line between the red weathered biotite shists to the North & the white exterior quartzites. There must be leucogranite bedrock pretty close to the South ie this must be near the contact. Walked up & took soil sample

28213 - about 600' North & 300 vertical feet up. There are lots of rusty rocks over there too, and all rocks are Y.G. Some pyrrhotite esp. in rusty ones.
Crossing the stream the talus was mostly granodiorite & leucogranite but some Yukon Group too.

28214 About 30% of the float was Y.G. 70% Granite! So the Granite - Y.G. contact must go right across the creek!

18-7 Rusty quartzite c̄ Pyrrhotite in 28217 Creek.

The talus (red) 200' away to the NW is all Yukon Group. There is some pyrrhotite - a soil

Traverse 6 T.W.H July 18-

sample # S-28218 was taken
about 200' up. Then walking
SW on the contour it was
all Yukon Group talus -
quartzites. About 200 yards
on some granite began
appearing & 200 yds farther
on it was virtually all
Granite. The talus on the
opposite side was likewise
Granite. Crossing again to
take silt 28219. The
float was 90% Granite
10% Yukon. The next
mile (going SW up the
creek #219→222) was
all Granite.

Summary.
The entire area
covered can be considered
as Granite, Granodiorite
or leucogranite with
small showings of
Yukon Group which is
mainly present as
limestone & quartzite,
although one area (Soil 28212
& 28213) of biotite
schist was observed.
Several Grassons are

July 18 W.H. Traverse 67

present and they tend to occur at the contact of Granite & Yukon group. The quartzites from the Obsidian did contain considerable pyrrhotite, but no chalcopyrite or fluorite was observed. The soil samples 28 2 12, 28 2 13 and 28 2 14 are of particular interest since they come from Granite areas

Plotted
G.P.
Oct 1/70