

Traverse 40K

Aug. 22, 1968

812590

Edgar Lake Area (2 miles south of point  
where Wann River flows into Tagish Lake)

Air Photo A 11390-342

Traversing North from camp along  
the west side of the Wann River

Semi-continuous exposure of black, dolomitic  
limestone begins ~300' N of camp and  
continues for ~200' along river bank

the limestone contains 5-10% white,  
coarsely crystalline calcite as irregular pods  
and veinlets

no mineralization

~150' down river from Edgar Lake, a

conformable contact between limestone and a beige quartzite the contact appears to run E-W and dips  $80^\circ$  to the north

the quartzite is probably only a few  $10^5$  of feet wide as the next o.c. to North is the limestone again

the ls. appears in several large o.c.'s along the west bank of the river during the next 1,500'

Approx 2500' down the river from Edgar Lake, at the junction of the Wann River and a large tributary from the east.

On the west bank is an impure quartzite which is heavily fractured. Three shear zones were noted in a 20' section. These ranged

from 2" to 18" in width and all three were filled with graphite - no mineralization the shear zones were vertical but their strike couldn't be determined.

Continuing to the North - along the river scattered, small  $\text{ac}^{\text{s}}$  of greywacke to impure sandstone - no attitudes could be measured.

Just above the power station, on the river's south side - prospect pit on hornblendite bearing pyrrhotite (in places massive) and minor ( $< \frac{1}{2}\%$ ) chalcopyrite total metallics vary from 0% - 90% but chalcopyrite is always minor

A grid has been cut over the area. The baseline runs N-S and occurs ~200' W of the prospect pit.

Cross lines run E-W at 400' intervals. Stations every 100' along Baseline and cross-lines.

The Baseline extends to 2,000's (~2,200' south of Power station)

and one cross-line was followed 1,300' East to the river again. This line could not be seen on the east side of the river.

No claim posts or geochem pits were seen on the grid.

Traverse 41K

Aug. 23, 1968

Edgar Lake Area

Air Photo

Traversing South along West shore of  
Edgar Lake

Outcrop is not abundant along the  
lake shore. Two

Between 800' and 1000' South of  
camp - 2 small oc's of black dolomitic  
limestone with 5-20% white, coarsely  
crystalline calcite - unmineralized

1 sample

3,500' south of camp another small  
oc. of this limestone - the white calcite

is very variable in abundance and shape

From 4200' to 9500' south of camp a series of small outcrops of volcanics - these are quite variable, from grey non-porphyrific andesite to reddish-brown feldspar porphyry (up to 30% feldspar phenocrysts)

in places the reddish-brown volcanic appears to be an agglomerate, but this may be only local

At 9,500' south of camp along the beach, I turned due West and continued.

~1000' West of Lake, an o.c. 100'x50'

of the reddish, porphyritic volcanic.

~10% phenocrysts of augite(?) altering to chlorite and epidote

~5% feldspar phenocrysts

1 sample

no mineralization

At ~2000' west of lake, took heading 310°

At 825' along heading - 5'x5' oc. of the reddish porphyritic volcanic - 2-3% epidote and chlorite

no mineralization

no sample

1110' along bearing - silt # 66 float in creek is still the porphyritic, reddish volcanic

1500' along bearing silt #67

at 1875', turned due North

2710' silt #68

3110' silt #69

3185' silt #70

3350' silt #71

3475' silt #72

3630' silt #73

6100' o.c. 30'x30' of reddish-porphyrific  
volcanic - here an agglomerate - volcanic  
fragment angular to rounded, up to 8" in



size in the reddish-grey matrix

- fragments 10-40% of whole rock

- no mineralization, no attitudes

its difficult to see the fragmental texture  
except on a clean, weathered, surface. - its

possible other ex<sup>s</sup> of this volcanic were  
fragmental but I couldn't see fragments

6835' o.c. 10'x10' of the reddish volcanic  
same as before

8060' silt #74

9000' silt #75

9100' silt #76

Traverse 42K

Aug. 24, 1968

Edgar Lake Area

Air Photo A11390-342

Pace and compass traverse to area west  
of our camp

~1300' west of camp      subangular boulder  
of reddish-grey hornblende-feldspar andesite  
porphyry

volcanic contains ~5% hornblende phenos, 10%  
feldspar phenos and ~85% matrix

phenocrysts up to  $\frac{1}{8}$ " long

no veining or mineralization

no sample

1650' West of camp semi-exposure

on top of small hill - area ~100' x 100'

lithology is the reddish-grey andesite

porphyry ~10-15% feldspar phenocrysts

up to  $\frac{1}{8}$ " long

Some areas contain rounded to sub-angular volcanic fragments up to 20% of whole rock

fragments range from  $\frac{1}{4}$ " to 2" in size

no veining or mineralization noted

1 sample #1

2340' west of camp 2' x 5' poor exposure

of the reddish-grey feldspar porphyry

andesite - 1-2% rounded volc. fragments to 1" in size

the rock is unveined and unmineralized

no sample

2840' west of camp 10'x15' or of

reddish-grey volcanic - here containing up to 20% subrounded volcanic fragments

fragment size  $\frac{1}{4}$ " - 2" av.  $\approx \frac{3}{4}$ "

a.c. is poor-fairly rubble weathering

no colour ranges from reddish grey to grey

1-2% calcite veinlets - irregular shape

and orientation

no mineralization

1 sample #2

3540' West of camp Silt #77

taken from small stream flowing North

3555' West of camp a.c. 3'x15' of

grey feldspar-porphyry andesite - quality of

outcrop is very poor - only the lithology

could be identified

volc. contains 25-30% feldspar phenocrysts

up to  $\frac{1}{8}$ " long - remainder too f.g. to be identified

no veining or mineralization

1 sample #3

~3950' West of camp o.c. 50' x 100'

at the south end of the o.c. is a med. to coarse grained intrusive (?) - could almost be a gneiss in places the intrusive is a Hornblende Diorite, contains 20-25% hornblende med.-coarse grained

the north end of the oc is grey-green fine grained volcanic rock and the zone between the two lithologies is a dark grey fine to med grained 'border' rock with abundant (~60%) hornblende

1-2% quartz veinlets criss-cross

entire a.c. (all lithologies) - spacing between  
veinlets  $\sim 2'$  - in the granitic rock one  
of these veinlets contained weathered  
metallic mineral - pyrrhotite(?) ( $\sim \frac{1}{2}\%$ )

1-2% epidote present in intrusive and  
border phase as small, irregular stringers  
no mineralization observed in volcanic  
or 'border' phase

2 samples # 4 mineralized intrusive  
# 5 border phase

the contact was difficult to make  
out, but seems to run roughly E-W

$\sim 4700'$  west of camp - several small  
angular boulders of green-grey andesite  
containing  $\sim 15\%$  feldspar phenocrysts

up to  $\frac{1}{8}$ " in size

the rock contains ~5% coarsely crystalline white calcite as irregular pods and veinlets

no mineralization observed

1 sample #6

~5850' West of camp Silt #78

~6200' West of camp Silt #79

~6450' West of camp Silt #80

at 8,000', turned north and followed small creek

~500' downstream, Silt #81

float in creek is angular diorite in places

another 500' downstream, silt #82

stream wound off to West, I continued

North.

after travelling ~4,500' to North

o.c. of metamorphic rock - almost gneissic

texture but the dark component is

hornblende

attitude  $\swarrow$  145

the dark layers are almost totally coarse  
hornblende crystals - the lighter bands are  
composed of quartz

The o.c. is ~90% hornblende layers,  
15% quartz veinlets (very irregular) and minor  
epidote as veinlets and pods

Both light and dark bands show disseminated

metallics in places + metallics up to  $\frac{1}{2}\%$ , average  $\frac{1}{4}\%$

a few small cross-cutting stringers also



The metallics appear to be mainly pyrite, with some chalcopyrite (?) and possibly even some barnite.

1 quartz-feldspar band 4" wide noted  
This contained trace of mineralization

2 samples # 7 hornblendite

# 8 quartz-feldspar band

After traversing ~5500' North, I headed back toward camp on bearing 135°

1345' along bearing ... silt # 83

3390' along bearing 10'x10' a.c. of  
augite-feldspar porphyry andesite

the rock is grey-green to purple in colour

with ~10% feldspar phenos, 5% augite phenos  
in a fine grained matrix 2-3% epidote as  
small, irregular masses

no veining or mineralization

1 sample #9

at 3575' and 3840' along bearing

2 small o.c's of the grey green porphyry, very  
similar to the o.c. at 3390'

neither o.c. was mineralized

no samples

6450' along bearing o.c. 5'x10' of  
green-grey andesite, here quite siliceous

no mineralization

~5% irregularly oriented quartz veinlets

1 sample #10

Silt #84 taken here

~8000' along bearing o.c.(?) could be an  
angular boulder

fg. greyish to purplish-grey volcanic  
with no observed phenocrysts - 1 small, coarsely  
crystalline calcite veinlet noted

no mineralization

no sample

~8410' along bearing 3'x5' a.c. of the reddish-grey  
andesite containing ~ 10% subangular volcanic  
fragments

This is very similar to a.c.<sup>s</sup> seen this  
morning while traversing due West of camp

no veining or mineralization

no sample

~8805' along bearing 2'x3' oc. of

reddish-grey andesite - same as before

no veining, mineralization nor sample

Traverse 43K

Aug. 25, 1968

Edgar Lake Area (South of Tagish Lake)

Air Photo A 11390-342

Walked south along lake shore for 4,400'  
then turned west

~2,625' west of the lake - 100'x50' a.c. of  
reddish-grey, fine grained andesite

2-3% very small feldspar phenocrysts noted  
but most of rock is too fine grained to identify  
any minerals

~ 2% small greenish volcanic areas, within the  
red-grey andesite - possibly fragments but  
this is uncertain

no mineralization or veining

no sample

5000' West of lake, turned to bearing  
030°

1,675' along bearing silt # 85

3,920' along bearing. 5'x10' o.c. of  
reddish, feldspar porphyry andesite

feldspar phenos 15-20% of whole rock, up to  
 $\frac{1}{8}$ " in size - the remainder is too fine grained  
for identification - ~5% quartz, 3% augite

2-3% greyish volcanic - may be fragments in  
the reddish volcanic but I couldn't tell

one quartz veinlet observed,  $< \frac{1}{16}$ " wide

no mineralization

1 sample #1

phenocrysts show random orientation