

673081  
PIN GROUP  
92N/14

Pin Group work Brian Lennen,

Aug 26 1973

More outcrop samples were taken along base of ridge between line 80 west and slightly past L.108 W. The rocks were mainly andesitic flows and tuffs with purple tuffaceous units present. Mineralization was not generally observed except some pyrite in some of the andesitic (silicified) units and areas where some shearing has occurred. km<sup>#</sup> 3 numbers were used as I didn't know where you (Zuck) left off on your 38 series.

- # 41401 - andesitic crystal tuff? siliceous. Has an almost fine grained intrusive appearance. Just andesite?
- # 41402 - andesite. no visible mineralization
- # 41403 - dark green andesitic tuff.
- # 41404 - porphyritic andesite - feldspar phenocrysts
- # 41405 - andesitic tuff. TALUS
- # 41406 - andesitic tuff. TALUS
- # 41407 - slightly foliated tuff. water lain?
- # 41408 - silicified andesite tuff? or is it a flow. Looks more like crystal fragments
- # 41409 - slightly silicified andesite? may be more basic than andesite TALUS?
- # 41410 - very siliceous volcanic? possibly hornfelsic. Rusted - dissem. pyrite.
- # 41411 - silicified andesite. pyrite is abundant & disseminated. Very rusty
- # 41412 - silicified andesite. rusty - pyrite mainly along fractures. Very minor disseminated.
- # 41413 - andesite - non mineralized.
- # 41414 - andesitic tuff.
- # 41415 - ~~purple andesite or andesitic tuff~~ purple andesitic tuff.
- # 41416 - andesite
- # 41417 - silicified tuff? (hornfels?) very rusty with dissem. pyrite.
- # 41418 - andesite -

Q.E.D.

August 23 1973

BRIAN LEHMAN.

Work on Pin Group by km# 3-4

Chip sampling and some mapping was done along the creek in the Pin Group. The helicopter arrived at 4 PM and picked us up at L 80 W + A L 265 + 30'. Talus samples were taken for the previous 800' as no ore occurred along creek course. The rest of the creek to line 108 W is all in Talus and is considered not worthwhile to continue up to L 108 W. However outcrop on the ridges surrounding should possibly sampled if not done already. The talus shows very pyrite rich patches in fractures and along epidote veins. Chalcopyrite may accompany it.

Line location of samples are not considered to be accurate to more than  $\pm 50'$  as the lack of continued cross lines meant a lot of guesstimating and numerous time consuming walks up to BL 105 and passing back to the outcrop and creek. The sample location plotted on the air photo are very accurate to within  $\pm 10'$ .

✓ # 38344 L 22 W + A BL 105 + 50'

grey green slightly <sup>calcareous</sup> ~~carbonaceous~~ andesitic tuff. very fine grained. No visible mineralization.

✓ # 38345 L 24 W + A BL 105 + 150'

grey slightly calcareous and slightly sheared andesitic tuff? Carries dissem. pyrite

✓ # 38346 L 26 W + 100 A B.L. 105 + 130'

grey non mineralized andesitic tuff?

✓ # 38347 L 28 W + A L 125

grey pyrite mineralized (dissem) andesite. Slight rusting

✓ # 38348 L 30 W + A L 125 + 30'

grey pyrite mineralized andesitic rock. Pyrite dissem. Very little rusting

✓ # 38349 L 32 W + A L 125 + 100'

grey pyrite mineralized andesitic rock. Some rusting. Pyrite is disseminated.

# 38350 L 34 W + A L 145 + 35'

qtz veins common and rock is very silicified giving it a gte look.

heavily rusted but mineralization not visible. Check at L 34 W + A L 125 + 145'

Cont'd

-2-

# 38351 L36w + AL145 + 120'

grey & dissem. pyrite in andesitic rock (tuff) rusted.

# 38352 L38w + AL165

sheared and heavily rusted porphyritic (originally) andesite? Phenocrysts or fragmental feldspars occurs and some are altered to a white silky lustre mineral: sericitic alteration? dissem. pyrite.

# 38353 L40w + AL165 + 60'

sheared andesitic rock. heavily rusted & with dissem. pyrite

# 38354 L42w + AL165 + 80'


Soil sample - Dry - local residual from colluvial talus. silt, sand, gravel & clay sized particles. Red brown. horizon unknown.

# 38355 L44w + AL185 + 75'

grey sheared light coloured volcanic. Very rich in pyrite along shear planes and dissem. as well. Very rusty

# 38356 L46w + AL185 + 150' - ~~at~~ 30' above two creek junction 

lost hand specimen but recall still in shear zone as 38355. Same rock.

# 38357 L48w + AL205, small trib comes in here.   
as 38355 and 38356.

# 38358 L50w + AL205 + 30'

shear zone. 090/36°SE same rock as 38355, 38356, 38357

# 38359 L52w + AL205 CLAIM LINE. CLAIM POST 400' south of B.L 105

grey andesitic tuff - non mineralized. Calcite along fractures

# 38360 L54w + AL205 + 20'

silt sample - active - silt sand & gravel. - colluvial - red brown. 10' wide  
1' deep velocity (2)

# 38361 L56w + AL205 + 100'

silt sample as 38360

# 38362 L58w + AL205 + 150'

chloritized and silicified andesitic rock. No visible mineralization

cont'd

- 3 -

- # 38363 - L60W + AL 22S - Rock not mapped past this  
- andesitic tuffaceous rock - grey green. sometimes rusted and contains minor pyrite. shear surface attitude  $020/60^{\circ}$  NW. Lineation plunging  $30^{\circ}$  to  $216^{\circ}$
- # 38364 - L62W + AL 22S + 80'  
✓ andesite - very rusted and mineralized with pyrite along fractures and also dissem.
- # 38365 - L64W + AL 22S + 70'  
andesite - not well rusted. minor dissem pyrite.
- # 38366 - L66W + AL 22S + 100'  
✓ shear zone light coloured sheared andesite? Sericite alteration present.  
very heavily rusted and dissem pyrite is abundant.
- # 38367 - L68W + AL 22S + 140'  
shear zone  $096/30$  SW. Rock as 38366
- # 38368 - L70W + AL 22S + 175'  
sheared andesitic rock. well rusted - dissem. pyrite
- # 38369 - L72W + AL 24S  
sheared andesitic rock. well rusted dissem pyrite as well as along shear planes.
- # 38370 - L74W + AL 24S + 100' TALUS SAMPLE  
silica rich rock - tuffaceous volc?
- # 38371 - L76W + AL 24S + 125' TALUS SAMPLE  
andesitic rock - dark grey - silicified. Pyrite along fractures
- # 38372 - L78W + AL 24S + 180' TALUS SAMPLE  
andesitic rock - pyrite in fractures and tiny veinlets. Slightly silicified.
- # 38373 - L80W + AL 26S + 30' TALUS SAMPLE  
silicified andesitic volcanic. pyrite along fractures & some dissem.

Q.E.D.

Do you want any more done in orc high above valley.