

South Haku Arm (Aug 15/68)

812572

- sampled and traversed first creek west of camp. (100ft. W.)

Sample NN #1 Silt.

- 50ft off lake shore south.
- is a sandy sample - not very much fine silt. fast flowing creek.

N.N.#2 - Silt.

- approx. 450'-to-500' up stream from NN.#1.
- sandy sample - not much fine silt.
- average 15°-20° N. slope.
- fast flowing creek.

N.N.#3 - Silt.

- approx. 450'-to-500' up-stream from N.N.#2.
- sandy + same conditions as N.N.#2.
- no outcrop on creek or exposed on banks of creek.

N.N.#4 - Silt.

- approx. 450'-to-500' up-stream from N.N.#3.
- fine silt and sand sample.
- fast flowing - relatively same.
no outcrop.

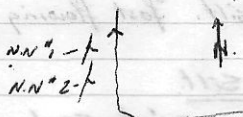
Outcrop - STN # 4 + 200' South
along creek.

- on right bank going up creek.
outcrop appears to be granitic
(monizite.)

- 2 samples

① N.N. # 1 - undetermined (monizite)

② N.N. # 2 - monizite - 2 samples



N.N. # 1 - very minor pyrite

Outcrop - STN. # 4 + 300' South.
along creek.

③ - small outcrop. - NN # 3 - monizite

- monizite - mineralized.

- beside creek on same side
as first.

- creek - getting small.

N.N. # 5 - Silt

- fine silt. - approx. 450' upstream
from NN # 4 - not so steep slope

- last sample on creek
as it is too small to
sample and is almost
completely underground all
the time.

Outcrop STN. #4 + 375' South.

- appears massive.

- 50 ft wide

- monizite

1. sample each end.

- mineralized

④ N.N. #4a - North end

N.N. #4b - South end.

N.N. #4 - all from same outcrop.

Outcrop # 3 + 4 all the same
outcrop. - extends 200 ft W.
of creek.

Granitic Outcrop - alone shore is
mineralized by iron pyrite

- N.N. #6 - Silt

on second creek west of
camp. - large creek about
1 1/2 - to - 2 miles from camp.

- sample taken 50 ft from
lake shore.

- silt-to-fine sand. - very
fast flowing creek.

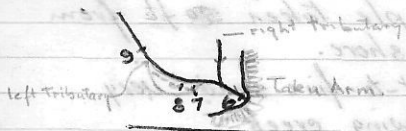
- creek forked at 300 ft. up
stream - took left fork.

N.N. #7 - Silt.

- taken, 50 ft. up left tributary of second fork in creek - 4+25 for fork.
- silt-to-fine sand.
- fast flowing creek.

N.N. #8 - Silt

- on small seepage creek 100 ft up from #7 sample.
- on right hand side going up.
- small flow of water - silt + fine sand.
- creeks sampled by N.N. #7-8 - silt rejoin main left tributary at 400 ft from N.N. #7.
- all the same tributary - offshoots.



N.N. #9 - Silt

- 500 ft upstream from #7.
- on main flow again.
- very fast - 15°-25° slope.
- silt and fine sand.

N.N. # 10 - Silt

- 500 ft from # 9 sample.
- on main creek - same slope, speed and volume.
- fine sand to silt
- coming into canyon - outcrop

⑤ Outcrop

- STN # 10 + 90 ft. - creek # 2.
- granitic outcrop + pyrite (minerals)
- Sample N.N. # 5.
- continuous outcrop to water fall 2175' from # 10. - 40 water fall.

N.N. # 11 - Silt

- 500 ft. from # 10 sample
- on main creek - large numbers of small water falls - all white water - continuous falls.
- silt + fine sand
- outcrop from sample # 5 extends to 20 ft past sample # 11.
- out of canyon - 20° slope.

⑥ Outcrop.

- STN # 11 + 100 ft.
- granitic - Sample No. 6
- on left side creek.

⑦ Outcrop.

- large granitic outcrop
- 4+50ft from STN. # 11.
- minor pyrite mineralization
- on left side creek.

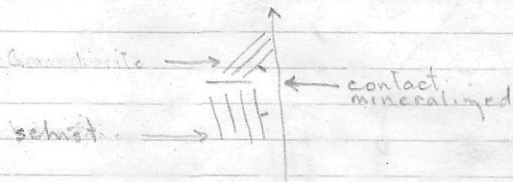
N.N. # 12 - silt

- 50ft past outcrop
- main creek - 20° slope -
- fast flowing. silt - fine sand.

August. 16/1968

Outcrop. - Traverse No. 2 - N.N.

- 320' up stream from Sample No. 12. - same creek.
- a granite strike striking N18°W.
- dip approx. 10° S.



Sample NN#1 - quartzite

Sample NN#2 - schist.

Sample NN#3 - contact.

Sample NN#4 - from altered zone
5'-8' from contact

Sample NN#5 quartzite

Sample NN#6 schist

Sample NN#7 quartzite

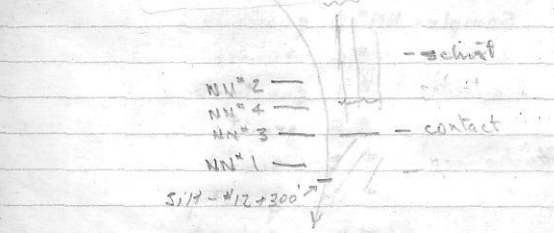
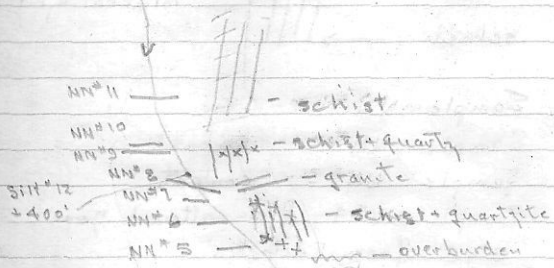
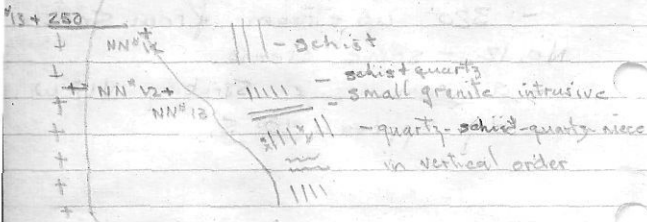
Sample NN#8 granite

Sample NN#9 schist

Sample NN#10 quartzite

Sample NN#11 schist

Outcrop - Transverse



Silt - NN # 13.

- 100 ft upstream from rock sample # 11. + 500 ft upstream from silt # 12.

- fast flowing - 20° slope.

- fine sand - in almost canyon like gully.

Outcrop

continuous outcrop on either one side of creek or other.

- starts at Silt # 13 - to + 200 ft.

on left side going up - then on right side at +100 - to +300 ft.

Sample # 12 - from middle of outcrop left hand side on way up - Silt # 13 + 200' - appears to be all same rock type.

Sample # 13 - right side creek at Silt # 13 + 200' up - never

Sample # 14 - left hand side creek - well folded appearance - Silt # 13 + 275 ft.

Sample # 15 - Silt # 13 + 275' up stream right hand side

Sample # 16 - right side creek,

Silt # 13 + 3 + 25'

Sample # 17 - lying beneath # 16,

Sample # 18 - 15' upstream from # 16 + 17

Sample # 19 - right side

Silt # 13 + 355 ft.

could not get to outcrop on other side of creek at 350 ft. - looks like sample # 6.

Sample # 20 - Silt # 13 + 400' - right side

- 20₆ - small vein 15" - 18" wide
lying about 20 + 20'

Sample 21a - 21b - 21c -

Silt # 13 + 460' up stream right side

Silt - NN # 14

- fine sand to silt

- fast flowing

- 500 ft up - from silt # 13.

Outcrop - continuous on both sides
of creek. - schist

Sample # 22

- Silt # 14 + 300ft.
- is continuous - most common outcrop
- almost specifically of this nature.
- all outcrops mineralized.

Silt - NN # 15

- 500 ft from Silt NN # 14.
 - fast flowing
 - in canyon formed by rock exposures
 - fine sand + silt
 - quartz veins very common
 - a lot of pyrite mineralization
- Outcrop - continuous
- still same rock type as schist
- Sample # 22

Sample # 23 - right side creek

- Silt # 15 + 400'

Outcrop Silt # 15 + 440'

- into a heavy rust zone
- lots of iron pyrite in float.
- cannot get a rust area.

Silt-NN# 16

- fast flowing
- same creek as #6
- fine sand & silt
- many quartz fissures & veins with heavy mineralization (pyrite)
- Sample #24 - beside Silt #16 + up 50ft

Silt-NN# 17

- 500 ft. past silt #16
- still in fast flowing creek.
- 20° slope - with continuous outcrop - very few quartz veins
- no rust zone 50ft. past Silt # 16.

Sample # 25

- Silt # 17 + 475ft.
- on right side creek.
- large + extensive outcrop.

Silt-NN# 18

- 500ft past Silt #17.
- fast flowing - 15°-25° slope.
- sandy - to silt

Sample #26

- at STN #18. - outcrop 50ft below at 75ft above STN.

- no noticeable tributaries on creek this far

Silt # 19 NN # 19

- 500 ft. past Silt # 18 fast flowing.
- into overburden gully
- no noticeable outcrop.
- fine sand + silt
- 20° slope.

Silt # 20 NN # 20

- 500 ft. past Silt # 19.
- no tributaries yet.
- almost to tree line.
- fast flowing
- fine sand + silt.
- 20° slope.
- in overburden gully - no outcrop

Silt - NN # 21.

- 200 ft past Silt # 20.
- small creek on right side
- sand sample.
- only trickle of water.

Silt-NN# 22.

- 500ft past Silt# 20.
- fast flowing but not so steep.
- fine sand
- above tree level.
- no outcrop.

Silt-NN# 23

- 500ft past Silt # 22.
- fast flowing - 15° slope.
- fine sand.
- still on main creek.

Silt# - NN# 24

- 500ft past # 23.
- fast flowing - 15° slope.
- fine sand
- still on main creek
- no outcrop + no noticeable tributaries.

Silt-NN# 25

- 500ft past # 24
- fast flowing - almost on a flat in mountain cradle.
- no outcrop - fine sand.

Silt - NN# 26

- 500 ft above STN# 25.
- almost on flat - 5° slope.
- creek still fast flowing.
- comes from snow field and from over South end of valley.
- last sample.
- silt and fine sand.

Silt - NN# 27.

- 300 ft above Silt # 25.
- on left side going up creek.
- small seepage from side hill
- almost like soil.

August 17/1968.

Silt - NN # 28

- on second creek west of camp. - 300ft upstream where creek forks. On right tributary 20ft past fork.

- small but fast flowing (15° slope)
- sandy sample.

- right tributary is offshoot of main stream and rejoins main stream 400ft past sample # 28.

- no tributaries on stream.

Silt - NN # 29.

- on second creek after creek started by Silt - NN # 6.

- small creek. - sample of fine sand and silt - take 20ft off lake shore.

Silt - NN # 30

- on same creek as Silt # 29

- 450'-500' upstream.

- no tributaries - fast flowing (10°-15°)
- sandy sample - small creek.

Silt - N.N[#] - 31

- 450' - 500' up same stream and past Silt # 30.
- no tributaries - fast flowing (10° - 15° slope)
- sandy + some silt.

Silt - NN[#] - 32

- 200' up stream from # 31
tributary from right (SW) side
creek.

- sandy - taken 10ft up tributary

Silt - NN[#] - 33

- on right tributary still
- small but fast flowing creek.
- sandy + silt sample
- 500ft up creek from Silt # 32.

Silt - NN[#] - 34

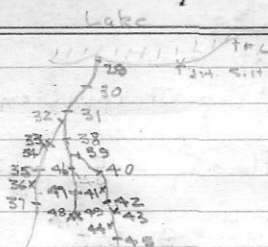
- 75ft from Silt # 33

small seepage creek from
right (SW) - sampled 10ft up.

- sandy + silt sample.

Silt - NN[#] - 35

- on same tributary as
Silt # 33 - and 450' - to - 500' upstream
- sandy and silt sample on 10° - 15° slope



Silt-NN-36

- small seepage on right side tributary (same as 55.55)
- 120 feet past silt-#35

Silt-NN-37

- on small creek as Silt-#35
- small but fast flowing (20°-25° slope)
- 500 ft. past Silt-#35 - sandy.

Outcrop - Massive at 350' past silt sample #37.

- of schist appearance.
- about 80 ft high - no more silt samples on this creek.

Silt-NN#38

- on left tributary
- 500ft up stream from silt-#31.
- fast flowing - sandy + silt.

Silt-NN#39.

- small tributary on left side - creek forks - fast flowing, (15°)
- about evenly divided
- sandy - about 300ft past silt.#38.

Silt-NN-#40

- on same tributary as Silt-#39.
- fast flowing - 15°-20°.
- 500ft. up stream from silt-#39.
- sandy sample.

Silt-NN#41

- small seepage 300ft past Silt #41.
- almost a soil.

Silt-NN-#42

- on same creek as and 500ft past Silt-#40.
- fast flowing (15°-20°)
- sandy + silt.

Silt-NN-43.

- 100 ft past Silt-42 creek forks - smaller flow to left - (10 ft) larger flow to right - Sample NN-43 on left tributary
- sandy sample (15°-20° slope).

Silt-NN-44.

- 400 ft past Silt-42
- a small seepage on right side
- sandy sample - 10 ft up tribula.

Silt-NN-45

- 475 ft past Silt-42
- the creek disappears at top of 30° slope - outcrop.
- sample taken here.
- small but fast flowing
- sandy. - last sample on tributary.

Silt-NN-46.

- 500 ft upcreek from silt-NN-38 - on right tributary.
- fast flowing - sandy sample

Silt-NN-47

- 500 ft upcreek + on same creek as Silt-46 - fast flowing - sandy - 15°

Silt # NN-48

- creek forks 300 ft past sample #47.
- both sources underground streams.
- sample 48 on left side
- sandy - 20 ft past fork.

Silt # NN-49

- at same fork as Silt #48 - only on right side
- 20 ft up also - sandy
- last sample.

August 13, 1968 TAKU AREA

- sitting on creek which
K.K. started sitting with sample
K.K. - Silt-#64.

Silt - NN-#50

- 375 up creek from
K.K. - Silt-#64.

- creek is same volume
but goes underground around
400 ft. - could not be traced
past 425 ft and could not be
found in a 150-200 ft semi-
circle.

- only approx. 100 ft away
from creek started by silt-NN#28
- may join this creek.
- a sandy sample.

Silt-NN-#51

- take approx 1/4 miles
past large creek (silt#6) on way
to camp. Very small creek.
- silt and sandy sample
- taken 20-50 ft. off shore.

Silt-NN-#52

- 300 ft up same creek as #51

Silt-NN-#52 (Cont'd)

-creek disappears under-ground - very small - almost a seepage.

- sample sandy + silt.