

Quartz Lake Camp

July 4, 1963

sunny

① Walked to Mc Miller's camp along old cat-tracks

There are float boulders on road of grey & green lumpy phyllite with some siderite & quartzite in them

② E side of mine ch - showing in a grey to white lens.

f. in grain - gal, π , sph may be dissem. or massive repl.

Beds dip 130 / 30 E

Est. avg gal. over 8' (avg) - π - 30%
gal - 10-20%
sph. ?

Rocks strat. above are green lumpy phyllites. Thin lens, f.g. Miller starts @ pt F 4-7-1 conts to pt F 4-7-2

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③ From F4-7-2 → F473
no o/c, just muscovite
mat'l → muscovite ridges
trending 300°

④ From F4-7-3, Az 335°
to Ch. Took silt sample
F4-7-4*. Also, specimen
of float - dark fractured
limestone with Fe stain

and pyrite. There is
also some black f.g.,
thin lam, equigranular,
homogeneous argillite rich
in lime. The dirty lens
(e.g.) is probably local
source. Sp. F4-7-4

* Swampy stream - 2'x2' @ 2'/sec

⑤ Traversed NNE, seeing
no o/a, to stream @
pt F-4-7-5. Took
silt sample. Stream
1' x 4" @ 5'/sec.

⑥ Below pt F-4-7-5 in the
small ch. there is a
ground slump that is highly
rust colored and
contains galena

July 5 rain

July 6 - cloudy, some rain

① F-6-7-1 o/s showing mineralization
in gty. Rocks are Mn, Fe stained
blocky, fractured, no bedding.

There is a m-c, gneiss

gtz pebble conglom - a few
feet further upstream with

a slickensides $30^{\circ}/20^{\circ}$ S lineation
on a $180^{\circ}/60^{\circ}$ W face.

10' further up bank there
is a black shale - phyllite

$\approx 80^{\circ}/20^{\circ}$ N foliation

Specimens of all 3 collected

The gty has been intruded
into or remobilized from

the gty pebble conglom.

- (2) at F-6-7-2 on ch. There
 is grey phyllitic gasbagged
 qtz 50' above river
 70' above river is olive
 green phyllite foliation
 $\approx 90^\circ/10 N$. There is a
 drag fold. axial plane
 130-140 / 38 N



Above this for another 50'
 is grey, Fe stained, partial
 shale to phyllite

- (3) At F-6-7-3 across ch 40, 50'
 high
 There is apparently the
 same mineralized qtz as

at F-6-1. Also, gray
phyllite slide debris.

- ④ F-6-7-4 is a gossan zone
repl. old shale beds. The
beds are apparently flat
lying. The gossan has a
granular, crumpled
character. Colours are
limonite ochre, purple,
to black.

July 7 - cloudy

- ① F-7-7-1 - silt sample
probably an intermittent
ch. 10" x 2" @ 2'/sec.

② F-7-7-2 - silt sample, ⁴
small ch., steep gradient
probably 5 gal/min

③ F-7-7-3 - silt sample,
intermittent ch., ≈ 1 gal/min

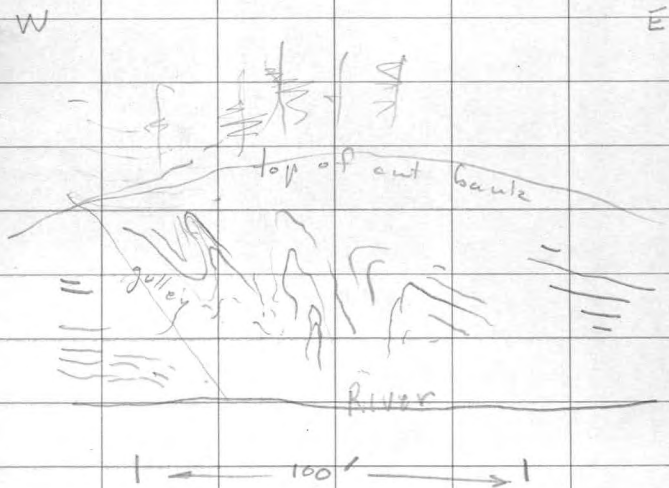
④ F-7-7-4 silt sample,
medium sized ch.,
steep gradient 100-150
gal/min

⑤ On W bank of ch from
F 7-7-4 $\frac{1}{2}$ of interbedded
shale -
grey phyllites (thin lam)
hard micaceous dirty grey ^{pink &}
quartzites, ^(2' beds) There is also
some quartz veins discolored
yellow (Sp) Most rocks
are hematite stained,
+ weathered pyrite flecks
Bedding fold 90/38 N

(6) F-7-5 - small
intermittent stream
≈ 1 gal/min

(7) F-7-7-6 olive
green phyllites

(8) F-7-7-7 - looking N
at an EW section



quartzites across river

⑨ 7-7-7-8 - unmineralized

grey limestone, med.
bedded, blocky &
shard-like

July 9 - rain!

from camp E end, Qty 2.

① starting up final hill S of camp, grey shale first float, then grey gyt (micaceous), both have calcite stain (F 9-7-1) generally a phyllitic dirty grey gyt. There is some crumpling & accordion folding (small scale) in the float. Determining σ/c crumple fol'n of $130/55^{\circ}W$ (crumpling @ stx 1 to fol'n. True fol'n $200/55^{\circ}N$. F_2 plane @ 110° to this in dip, strike is the same. Now on top of hill

② Travelled Az 140 from S end of hill (still grey gyt with some recomb. in chert)

③ Took S.S. in 5-10 gal/min plum. ch. F-9-7-2. This is first ch. on Az 140

④ Coming down ridge
to E of ch forming a
sharp gash on aero photo
This ridge is a thin lam.
soft grey phyllite

⑤ S.S. in ch mentioned
above 1' x 6" @ 3 ft/sec
There is no really f.g. sed.
in the ch. - no Took sandy
sample (F-9-7-3.)

⑥ S.S. (F-9-7-4) in other
branch approaching from
NW. 1' x 1" @ 4.5 ft/sec
also c.g.

⑦ S.S. (F-9-7-5) in
next branch coming in
from W - 5' x 1" @ 4 ft/sec