

July 17, 1970

020511

Air photo A12340-50

Locations 209-215

Samples 110-117

Geochem - 129

FGS- 1-129 (92.129)

- 135° from 165°

105-E/15

W

Location 209

045/35° N

outcrop on ridge " 190/6° E

conglomerate

altitude  
unseen

lt gys with to lt gys

cobbles + pebbles of lt gys + chl  
+ chl argillite - some lt gys chl pebbles

lt gys - wh subrounded - rounded gys  
pebbles up to 2" avg " 1"

lt gys chl + angular chl argillite  
pebbles, few > 1 1/2"

matrix of med-coarse sand  
size material - grain of gys, feldspar  
chl + chl argillite wh clay matrix  
massive sh beds, pebble + cobble  
size vary between beds

sample T70 - 1 - 110

## Location 210

outcrop 225 paces

115/110° W

190/11°

sandstone, grit

- 3' clay with to tan buff  
 chert - grits, few pebbles of  
 qtz, some chert agillite - creamy powdery  
 material, pebbles  $\pm \frac{1}{2}$ " to  $\frac{3}{4}$ "  
 - grains of qtz, feldspar (wh)  
 some chl, chert agillite, & minor grains  
 wh. to colored clay matrix  
 mostly phs stb, thin bedded  
 some red grains unknown

sample T70-1-111

overlain by 20' cover

- outcrop

050/90°N

Conglomerate

- pebbles & cobbles of qtz, chlt, argillite

& chlt + qtzite m

10'

- much like sample 110

- sandstone lense or bed

- 1' thick

med-crse gr. qz

lt qz - wh within to lt qz - tan

grains of qz, chlt + feldspar

wh clay matrix few musc flakes

subangular - subrounded grains

sl calc

some sandst in lenses

- thin bed

clays - wh with to clay

laminated. fgy. matrix

well sd of the,

wh clays, matrix for clays.

# Location 211

rubble

- large blocks

Sandstone

- lty. wh. with lty. tan

W. seq. ply. sld.

grains of  $qtz$  + wh. feldspar

cht grain wh. clay matrix

some more sl. brown

massive,

Location 212.

- outcrop

- 500 paces on ridge.

Sandstone, grit.

11 coarse gr. ss - quartz

lt grs - wh within 6 in.

ply. silt. few pebbles of chrt, argillite

qtz ( $\frac{1}{4}$ " )

grain of qtz, wh feldspar + chrt

some grain of lt colored clayey mat

wh clayey matrix lmn.

few small red grains,

~~take~~ the bed.

poor outcrop -

Apr 20, 1900 - further

outcrop

100/40 W

interbedded conglomerate & sandstone.

small pebble concs

$\frac{1}{4}$ " -  $\frac{1}{2}$ " pebbles of cherty argillite & quartz

matrix of med gr sand

qtz & feldspar grains

cht & musc grains

wt clay matrix brown

edges - wt withers to light tan - red

Sandstone -

medgy withers to tan - red.

Med - coarse gr. qtz & feldspar gr.

Red iron oxide matrix some musc

med bed

sample T 70 - 1 - 112

40' further NW along ridge

outcrop

horiz 360/0°

- sandstone

lt grey with tan medgy - tan

f-medgy. f<sub>3</sub>, feldspar grains

some chl + mica grain

angular, elongated chips of  
carb. shale sl. lim.

thin bed + platy.

sample T70-1-113

50' further

50' further on ridge

- outcrop -

- out of place by tree roots

- sandstone

lt-medgy with to tan

f. gr. v. f. g. some feldspars

well sorted ~~carb~~ material

carbonaceous material in blocks

small plant frag molds

thin-med bed, plenty

irreg bed.

sample T7

sample T70-1-114

Location 213

outcrop ~ 600 paces

- ~~small~~ large blocks, probably  
shattered.

conglomerate

- pebbles congl. small qtz & ch. argillite  
pebbles

overlain by

- sandstone

ltgy with tan-arg.

pl. sh. coarse qtz & feldspar

grains. chips of carb. shale

& plant frag. ch. grains

red clay matrix, med. bed

very bed. large plant frag. molds

chips of coal

T-70-1-115

10' covered interval

outcrop

130/10°E

2'

sandstone

- med. sh. w/ thin fm.

v. fine sandst argillaceous

well indurated, plant frag

carb. mat in blks,

plant frag. matls.

med-thr. s. d. plates.

T 70-1-116

Location 214

@ 30 paces

outcrop

- blocks of pebble congl.  
underlying outcrop of  
sandstone.

medgy with to tan - grey  
f-medgy of the arg. <sup>argillaceous</sup> material  
feldspar.  $\mu$   
carb plant frag

much like 113

slight lamination

thin bed, platy

654 paces

- coarse outcrop - slumped

- large blocks

grit

- coarse gr.

wh. lags with lags

wh. feldspar,  $\frac{1}{2}$  grains

some sh. argillite grain, some

wh. clay matrix - thick bed.

some musc.

overlain by

sandstone

med. - coarse gr. lags, wh. with some tan

$\frac{1}{2}$  - feldspar grain, carb. plant frag.

abundant. wh. clay matrix

thick bed, med. bed. some musc.

Location 215

outcrop

conglomerate

Q

- pebbles of lg qtz +  
angular dk qtz - black chls, argillite  
avg pebble size < 1"

matrix of s.s. & gr - gnd  
grain of qtz, chls + wh feldspar  
wh clay, carb. pl. s.s.

over

15' cover

Q

overlain by

sandstone

lgr. med-dkgy rather

st. feldspar ~~in~~

~~some~~ musc. flakes

carb. plant frag.

argillaceous

med-thr bedd, very bedd.

T70-L-117

~~20~~ July 18, 1970

- Air photo A12340-50

Locations 216-220

Samples 118, 119

Geochem - none

Location 216

- large blocks of rubble on slope
- probably v close to outcrop

Sandstone

tan-lt grey rather to strongly red  
V coarse gr. - coarse gr.

qtz, feldspar + chls argillite grain  
with brown clay cont

subangular - subrounded grain, pls std.  
med-thk bed.

Location 217

10. p. on edge

Outcrop

045/13°N

Siltstone, conglomerate

floating pebbles + chips of

slaty quartzite, fgs, + angular

chips of slaty sh. phyllite

= med. silty shale

avg pebble size  $\frac{3}{8}$ " up to  $\frac{3}{4}$ "

Carbonaceous plant frag. - frag of coal

matrix 70% vol

lt. slaty, silty, argillaceous

fgs - fgs some med sand size grains

fgs of all + plates per.

med. bed. ph. + irreg. bed.

subly outcrop

170-1-118

28 pieces on 135' core

overlain by -

siltstone

- light rather tan-wh.

so silty, some v. gr sand gr.

of fte, v. gr mat. poss feldspar

carb. plant frag.

+ carbonaceous material.

roots & v. worm burrows

med- thin bedd, very bold

platy

At

varies to light-wh. fgr as

of fte, + ind. feldspar grain.

470-1-119  
~~118~~

Location 218

- 50 paces

outcrop

100/8° N

3' conglomerate

pebbles of quartz, chert & shaly  
sand, rounded quartz, angular shaly  
chips of chert, quartzite up to 2"

• shaly pebbles of chert

avg size approx 1"

matrix of v. coarse - of this size  
material grains of quartz, feldspar.

• chert and chert, sand, quartzite

shaly

shaly matrix to med. shaly - low

shaly massive - the bed size variation

between beds

2' sandstone lense

clay. wt. within to thin

med gr. of subangular

grain of qtz + wt feldspar

cht grain wt clay matrix

med bedd. sl. lam.

med sil

various ls

clay. some friable

mus. flakes.

4' conglomerate

- same as below

overlain by

4' siltstone congl

SKR sample 117

4' siltstone

- medgy, with clay

musc flakes

large plant frag molds

SKR sample 118

- varin h fgr. ps.

95 pgs

outcrop conglomerate

- soft pebbles cobbles

- sanding of the matrix

Location 219

140 paces ~ 800 yds. long

- outcrop

110/9°N

5 conglomerate

pebbles of  $St_{25}$   $qtz$ .

angular chips of  $St_{25}$ ,  $qtz$ ,  $schist$

$pl$ ,  $std$ .

$St_{25}$  with  $St_{25}$  -  $St_{25}$ .

matrix

med. gr. sand size material

$qtz$  + feldspar grain

clay cont.

massive

8' cover

6' in bold sandst & congl  
lt qtz within lt lt qtz - tan  
conglomerate

- red well sorted within beds  
qtz & chert, argillite, & phyllite  
g<sub>2</sub> to

matrix of

med. sand size matrix

qtz + feldspar grain

chert grain w/ clay cont.

cl. lim.

w/ - lt qtz. within to - lt qtz.

sandstone

sub-ltgs within the wedge - lam.  
med- coarse gr. 2. A grains  
of 3, feldspar, muscovite flakes  
chd grain: w/ clay cont.  
friable & porous, all lam  
indistinct lam.  
thick bed.

CO<sub>2</sub> & SO

- cross bedded

176 paces

- congl

SKR

massive

- 200 paces

- interbedded sandst + cong!

sandstone

sub-lt qtz - matrix to lt qtz - tan

U. cret. qz.

wt. feldspar + qtz grains, some

chrt grain w/ clay matrix

finely, thick bedded massive

conglomerate

subbed cobbles of qtz,

chrt + chrt, argillite

Location 220

460 paces

outcrop

conglomerate

angular chips of <sup>very</sup> chls, argillite.

slayer slab 'phyllite', 2

medgy gtzite

few small pebbles of slayer gtz.

matrix of

med. coarse sanding material.

grains of gtz + feldspar

grains of gtz, 1 chl

matrix of fine gtzite clay material

slayer with to dkgy  
massive.