

July 30, 1970

Air photo

020517

A12788-179

Locations 297-308

samples 177-188

geochem 141

FGS-1-141

125 pm

105 E/15

Location 297

- outcrop.

- dolomite

- fault related?

wh. tan with to tan
micro- of crystalline
veined & folded
massive, no bedding.

177a

varies to limestone

dk gray with to wh. tan
micro- of crystalline
fold & veined.

177b

also chert

dk gray with to brown
shred - fold, some
calc vein.

177c

also

breccia.

within the red.

Chips of shaly + lthy chert
in a matrix of ferruginous
calc. mat. also of
dolomite? oyster shells.
Calc.

177d

entire outcrop seems
to be a breccia - or
fault-related.

varieties of dolomite veins
+ cherty dolomite are present.

T 70-1-177

Location 298

rubble

- siltstone tan
lt. blue-gray with to shaly-blue

argillaceous clayey silt
some med. sand size grains
of feldspar, sh. linn
sh. laminated
thin bed.

variety

Sandstone

- wh. clay thickness to tan buff
of gr. silt med. well sorted
silt feldspar, clayey
linn
med. thin bed.

Location 299

- outcrop

chert

- med. lt. grey green with tan red.
fctd & veined, subhly.
veinlets of red with
iron oxide material.

T 70-1-178

Location 300

outcrop

130/6°NE

Bottom

15' sandstone

tuffaceous?

wh-buff with to wh-ton

to bright pink

fgr. gr. med. s/d

grains of qtz & feldspar in
a matrix of wh clay

N. lim in part

79a matrix up to 50%

well bedded, reg bed & med bed

contains concretions bodies

ovoid - disc shaped

up to 2' long.

79b soft wh clay ^{stone} rock center.

↳ usually centered around
pebbles.

170-1-179

5' sandstone

wh-tan with to tan org
med gr-fg. med sld.

subrounded - subangular grains
of qtz + feldspar
some chd or argillitic grain
matrix of fine clay. natural
minor musc.
~~med~~ blk bed - massive
irreg bed.

T 70-1-180

sandstone

blk-wh with to buff-tan
f-med gr med sld

11 grains of qtz + feldspar
clay matrix or sh argillaceous
argillaceous in part sh. lim
med-thin bed.

plant frag molds + ^{corals} org material
on block plane

T 70-1-181

~~conglomerate~~ gritty sandstone

- 5' ltgy-tan with org-red.
congl-gritty material.
pebbles or granules $< \frac{1}{4}$ "
of phyllite & chky argillite
crse subangular-angular
grain of feldspar & qtz
matrix of clayey material
smn some musc.
massive - thk bed

170-1-182

sandstone

buff-tan with k tan-purple
of gr. med-w sorted.
lam. qtzic d-r
grain of qtz & feldspar
in clayey matrix smn
few chd grain.
med bed. - thn bed.

grain size varies between beds.

170-1-183

Location 301

outcrop.

sandstone

- below loc 300? probably

ltgy with to ltgy
crse gr. ply sld
angular subangular grains of
fz, feldspar & chka chky arg. like

matrix of wk-creamy g/fc
clayey material sl. bn.
massive - ply bed.

Location 302

outcrop + rubble

- outcrop along top of ridge

- sandstone

edges within the tan-buff

med- coarse gr.

angular grains of feldspar + quartz

few chert grains

matrix of clay w/ clays

of the matrix sh. ls.

sh. calc.

varies to sfg. ss.

as T70-1-183.

supposedly overlies Loc 300

F

rubble - below ridge

- mostly sandstone as in Loc 300

- also siltstone

meddy blue with to tan - base
of str - varies to upper as
well sorted argillaceous

470

also sandstone

tan org with to tan - red
med gr.

angular grains of quartz, feldspar
& mica

thin clay matrix

slarg. in part

carb mat & plant frag

molds on bedding planes

med bed

170-1-184

Location 303

- outcrop

380 on 317°

140/49° E

bedding

Siltstone

wh-buff weathers to buff-tan-pink

qtz, cherty

clayey ~~matrix~~

veins of pink-red chert

siliceous material

T 70-1-185

varies to

chert breccia

to light pink weathers to red.

- Chips of light chert

in a red weathy qtz

matrix - sandy.

T 70-1-186

varius la

chert

lt grey - pink with no. for. - lt grey

no cherty texture

reminds of pink siliceous

material fcd.

massive

Location 304

outcrop

- chert

light blue with light blue - pink
in part

feld + mica,

quartz
remnants of red feldspar silicates
matrix

- varies to maroon colored

T 70-1-187

Location 305

outcrop

- volcanic

- Skaper within to org-brown
f. grained
small qty phenocrysts.
" some amydules
filled with calcite

T 70-1-188

Location 306

outcrop

- volcanic

SKR

andesite?

various to dk gr

f-mudgr

T 70-1-189

Location 307

outcrop

- sandstone - grit

shaly with the fine - org.
grain + granules of
qtz, feldsp + ~~cl~~ ch
grain of creamy tan colored
clayey material soft.

matrix of fine sand size
material of qtz feldspa.
clayey, lim.
thk bed + massive

various to

fine gr. sandstone
med gr. qtz
grain of feldspa
+ some ch
clayey matrix, lim.
grains of soft clayey material
med bed.

Location 308

outcrop

125/10°E

Sandstone

wh. lty. with tan

med-gr. f. med-gr.

grain of qtz + feldspar
few chl grains

wh. clayey cont. sl. lim.

well bed. reg. bed.

med bed.

overl. by

Sandstone.

tan. with to tan

med-gr. f.

grain of feldspar + qtz
+ some chl

grain of powdery ^{fine} clay - tan

tan - creamy colored

matrix of clayey material from

blk. bed.

- outcrop 5' blk

- within Loc 308

July 31, 1970

Air photo
A12788-179

Locations 309-319
samples 189-198
geochem 142-145

FGS-1-142 (92142)

FGS-1-143 (92143)

FGS-1-144 (92144)
200 pages.

FGS-1-145 (92145)

Location 309

- outcrop

- chert breccia

chips of wh-lt grey chert
in a siliceous matrix
ruths to tan in part
(brown?)

varies to
angular chips of the lt grey
- wh chert in a red w/ky
iron oxide matrix

outcrop fctd - massive

dominant plane of
fct? in outcrop $60/45^{\circ}$ SE

T 70-1-189

Location 310

outcrop - stream
in stream gully.

- volcanic
- very badly weathered
- med green with to green brn
in part org brn
- f - med gr.
- calc. pores
- with calc amygdale fillings

weathered outcrop looks
bedded

Dominant cleavage

55/35° SE

T70-1-190

Location 311

outcrop.

- volcanic.

maroon-sk green

with to red brown

f of gr:

amygdules up to 5 mm
filled with white crystalline
caliche

~~is~~ phenocrysts of
volcanic feldspar?

varies to

sk green - f grains

170-1-191

Location 312

outcrop

- shore hill lake.

- cherty limestone

Hyggen with the same
micro-f. crystalline
calcareous
veins of chert Hyg.

poss. Solonch

also calcareous
veinlet.

massive & fold
in outcrop

- top < 50' below volcanic
outcrop

150' away

70-1-192

Location 313.

outcrops

volcanic

redgn. - dkgn. - maroon

both red bn. - org.

fgn

calcareous amygdaloids

some v small phenocrysts

feld.

Location 314

outcrop

170 paces or 318°

volcanic

Location 315

outcrop 260 m 318°

volcanic

SKR

white crystalline calcite
veins

Location 316

- 280 paces or 318°

outcrop

contact of

limestone + volcanic

limestone - ~~chert~~ breccia

tan with ls with

slugs. muscovite

ls as matrix

chert inclusions in places

T 70-1-193

ex-

shows indications of shear

T 70-1-193

overlain by

volcanic.

contact zone med. dk gr
aphanitic
irregular contact a

1' foot from contact
med. dk green
of granit. b

T70-1-194

limestone may be inclusion
as there is volcanic
clinging to face of limestone.

T70-1-194

Location 317

outcrop 30 paces

breccia

with tan-red

chips of lty. gn
chl.

* crystals of colorless
calcite

in the red with iron oxide
mass of gn. matrix.

T 70 - 1 - 195

100' or to NW
- lower down

volcanic?

- pink with green
phenocrysts.

rubby & badly cut
basalt? or spherical cut

570-1-196

Location 318

outcrop - 190 paces

volcanic
lt. med gr
with ls. lign. cryst. ton.

f. g.
with oxide with sphenoph.

- calcite veins
calc.

fctd in outcrop

varies upward to
lt. green brn
f. med crystalline
with ls. red.

T 70-1-197

Location 319

outcrop 90
- 425 on (block)

volcanic

lt green - gr with some tan brown

f - med gr.

looks like classic texture
feldspar phenocrysts

fracture planes

90/60° S

T 70 - 1 - 198

August 1, 1970

- Air photo

A 12788 - 179

Locations 320 - 333

samples 199 - 221

geochem - none

Location 320

outcrop

limestone

75' - lt-med gr. with to ten in part
thk. microcrystalline
massive
folds + nod

overlain by

T 20-1-1992!

30' - cover

outcrop

limestone

SKR
large amber colored crystal
mg? fillings calcite

T 20-1-1996

~~T 20-1-1999~~

40
~~25~~' cover

20' outcrop
limestone
med gy blue
with to lt gy blue
microcrystalline
small veins filled with wh
siliceous chert & quartz
feld
massive

5' cover

35' outcrop
limestone
SKR varies to
breccia limestone breccia

chips & pebbles of quartz, chert &
limestone in matrix of
limestone
some med. creek crystalline calcite
with tan. sed.
massive

T 70-1-200

20 paces further,

25' - - - limestone

light blue with some grey - but - light

microcrystalline

massive

not clear areas of crystals

crystalline calcite ~~flat~~

areas 1' thick

also veins in part of

Red with breccia strain

1" pebbles of wh. quartz

- rounded

Location 321

- outcrop 150' diam. on 45°

limestone

light blue, rather to tan

micronolitic

massive

various breccia

- angular chips of tan

with dolomite in

matrix of white

crystalline calcite

T70-1-201

30 paces further on 45°

conglomerate

cleavage 70/35°E

- pebbles & cobbles of sub of 3
cht, argillite & 1/2 of 3/4

matrix of

sand size - quartz material
grains of 3, feldspar

+ cht. in benders

material of silty, silty of 3/4
material

1mm in part

with 3/4 - tan

170-1-202.

Location 322

- outcrop

- 230 paces

- chert & chert breccia

lgy with red-ten
medgy.

angular grains & chips of
qtz & chert in a f.g.

siliceous groundmass

now oxidized

with red

some large lt. medgy chert
inclusions?

T 70-1-203

overlain by

cherty sandstone

lt grey with to wh - buff

v. f. gr. = f. gr.

angular grains of wh feldspar
& qtz

chty impd.

carb. frag. (plant frag)

matrix > 50%

some large qz pebbles

& grains of cream f. gr. material

some long plant frag
molds

varies to

larger amt of pebbles of

qtz, plts, argillite

& clay material

more plant frag also

T 70 - 1 - 204

Location 323.

outcrop 5.0/35°E

conglomerate

25' - pebbles & cobbles of
qtz, ch. cherty argillite
also pebbles of qtz,
lt. gy. - buff & gr. g. g. g. g.
& creamy-tan colored
powdery volcanic material

T70-1-205

- varies to conglomerate
of wh. cream-colored volcanic?
pebbles of powdery clay material
with a red iron oxide matrix

2052

matrix of
sand size material of same comp
grain of qtz, feldspars & ch.
clay wh. tan clay g. g. g.
binding material iron

T70-1-205

interbedded with

sandstone.

- light grey contact

~~area of~~ ^{rest}

lt grey with to lt grey - tan

area of grey.

no light

quartz grains of quartz & feldspar

some lam.

cherty matrix.

var

variegated cross

& to siltstone

- lt grey blue with to grey - tan

of grey

& cherty

argillaceous?

abundant large plant frag

molds

T70-1-206

overlain by
25' cover interval

- conglomerate & sandst
- STR

40' cover

- overlain by

interbedded congl & ss

- 2' bed within conglomerate

cherty sandstone

fg, sh, old
lgy buff with tan
grain of qtz, feldspar
& some chrt grain
cherty cont.
red bed

T70-1-207a

30' conglomerate

pebbles of qtz, quartz
cherts, cherts, argillite
• creamy colored soft
clayey pebbles (volcanic?)

matrix of coarse sand size
material

angular grain of qtz + feldspar
some chert

cream tan clayey cement
- thin.

- cement not as successive
+ 1. not as well indurated

T70-1-207

interbedded with

sandstone

- cased

wh. with to low

angular grains feldspar
& qtz + some chrt

binding material of soft
wh. powdery clay matrix
sl. lmn

thk bed - massive

→
varies to

170-1-208

overlaints by

30'
~~30'~~ cover

outcrop.

5' cherty sandstone
lt grey with to lt grey - wh
f gr. pl. silt
grains of qtz & feldspar
lt grey chert
larger grains of chert
dispersed throughout
grain size varies between
beds.

varies to

sandstone

graded bedding?

qtz & feldspar

s. lam.

chert cont. s. porous

170-1-209

Location 324

- outcrop 185 paces N 76'

- conglomerate

pebbles & cobbles of ark
qtz. nodules of quartz
* 1/2 in. chert, chert, argillite
smaller pebbles of ark - cream
w/ gr. sandy clay material
(oolitic?)

matrix of
sand size material
- angular grains of qtz & feldspar
wh. tan clayey grains
1 mm. some chert gr.

- massive

no ss interbeds

T. 70-1-210

Location 325

- top 250 paces

- outcrop

cherty

- siltstone

ltgy-buff with ltgy-lin
ofte. feldspar

some of sand grains

Cherty comb

N well indurated

massive

T70-1-211

Send frob

- conglomerate
- cobbles & pebbles
- of qtz, med-dk grey quartz
- + cherty argillite
- some tan matrix clayey pebbles

matrix of
fine grained material
grain of qtz & some conc
or pebbles
also grain of feldspar
wh. creamy clay matrix
sl. brown

massive, ply bed

145/28°W

also sandstone - grit

medgy within to 1/4"

no seg.

grains of 1/4" bluish sh.

fg. of stzite

sh. of stzite

fine grained matrix

of qtz, feldspar & chrt grains

clayey emb. sh. m.

med bed

T 70-1-212

Location 326

cherty siltstone

SKR

Sample 211

outcrop 45 paces on 112°

outcrop 125 paces on 112°

SKR

fold

Location 327

- 60. ppc on 246°

- outcrop

- conglomerate

- well sorted layers

- pebbles + cobbles of quartzite + cherty argillites
also some
wh. clayey fgs.
clayey powder pebbles

matrix

- med gr. sand size, material

quartz

of 3 grains & some feldspar
subangular

170-1-213

Location ~~328~~

also

sandstone

lt-medgy. with some
fgr. med st.

subangular-subrounded
grain of qtz & feldspar
to some chd grain

wholly of the clay matrix

-various to

of the substo siltstone
med gy

med bed.

95/24° S

T 70-1-214

Location 328

175 paces on 2446'

outcrop - - - 110/20° S

conglomerate & sandst

- conglomerate #1

- pebbles & cobbles of qtz

cht & chtz argillite

& some red w/ky volcanic pebbles

matrix of

orange sand size material

grain of qtz, cht & feldspa?

with clayey sand

in bed with

sandstone

lt grey with lt grey (org in part)

of qtz & feld

grains of qtz feldspa

& cht

some mass

wt of the binding material

med - the bed

X70-1-215

Location 329

outcrop 120 paces or 179'

- conglomerate

- pebbles of wh qtz, sk qz, chlt
+ chlt argillite + creamy chlt slt.

matrix of sand size mat.

med. gr. grains of qtz + feldspar
& chlt
wh qtz for binding material
angular grains.

lt qz within lt qz.

varies to
v. coarse sandst
- of same comp.
thk bed.

160 paces SKR congl.

Location 330

outcrop 25/32° SE
poss slumped

conglomerate
- cream-tan color

pebbles & cobbles of wh-
cream to clayey volcanic
some with white plagioclase
- few small qtz & chd pebbles

matrix of
sand size material
qtz feldspar & chd grains
clayey brown binding
material.

rubble outcrop qtz

T70-1-216

overlain by

= interbedded with?

Sandstone

wt. clay with red

N cross

angular grain of qtz

= feldspar

creamy-tan with

clayey grain

from

thk bed

70-1-217

also siltstone
medgy with the ltgy
siltst - ofgy ss.
for med size grains +
crs. of ltgy chd
clear qtz + wh clays
some feldspar.

- interbed with
qtz + chd pebbled congl.
+ crs. of ss.

also sandstone - grit
wh. ltgy with wh. ltgy
of crs. v. crs. - grit
of med size grains of clear qtz
in a matrix of fine gr.
qtz, feldspar + chd grains
cream colored clays, qtz
matrix - iron.

thk bedst - massive
218a

T70-1-218

300 p.p.m.

- low iron

and scrap & rubble blocks

conglomerate

pebbles of wh-cream

of gr. volcanic pebbles

- very soft & porous

some wh phenocrysts

matrix of

qtz & feldspar grains

in red iron oxide

T70-1-269

Location 331

outcrop

135/235W

380 paces on 129

conglomerate - grit
wh. lthgs with ink

angular grains of clear qtz
& wh. feldspar.

- 0 coarse - grit
some pebble sized.

few chts. argillite grains + granules

few tan with volcanic pebbles.

wh. clayey matrix.
foss.

T 70 - 1 - 220

Location 332

outcrop 420 on 179°

conglomerate - grit

small pebbles ($\frac{1}{4}$ " - $\frac{1}{2}$ ") of
qtz - chlt + chlt argillite

matrix of coarse sand size
grains of same comp
feldspar grain
int. clayey mat. lim.

large plant frag molds.

the sandstone

lgy, blue with h. lgy
med. gr. subangular - subrounded
grains of qtz + feldspar
+ chlt argillite + chlt
int. clayey matrix
plant frag molds

T 70-1-221

Location 333

outcrop 460 on 203°

conglomerate 145-112° NE-

pebbles of wh qtz s

chtz angular " of zite

matrix of

sand size material

~~angular grains~~

angular grains of qtz & cht.

clayey red var oxidized

also sandstone

ltgy med-crse gr

grains of qtz , feldspar & cht

in clayey matrix

med bed.

August 2, 1970

Air photo

A 12788-179

Location 334-338

samples 222-223

geochem 147, 148

FGS-1-147 (92147)

700 paces on 107°

FGS-1-148 (92148)

(Illusion creek)

Location 334

- outcrop

- 935 ft. on 107°

conglomerate

- pebbles & cobbles
of qtz
w/ feldspathic gztite
& ~~skgs~~ red-skgs gztite
& black ch₂ argillite

matrix of sand size material

- ply silt

grains of qtz, feldspa
& white mica

large ex. of ch₂ argillite

w/ clay, ~~set~~ gztite
binding material

no

massive, lt. grey in color

470-1-222

Location 335

- outcrop 1220

conglomerate

- pebbles & cobbles of
wh. qtz. feldspars
& black chls argillite

matrix of
v. fine sand size particles of
same composition
wh. clayey binding material
iron

massive

1.65' to pt.

Location 336

85 paces along ridge (107°)

conglomerate

8KR

altitude - 105/30 SW

Location 337

- outcrop

conglomerate

pebbles - cobbles of quartz
lt - medgy quartz
+ shaly chert - chert nodules

matrix of sandstone
material of same composition
also feldspar grains
with clays sand.

Location 338

endcrop

100 paces on 166°

- volcanic Br. quartzite
lt grey-pink to blue lt pink
- brn
qtz, feldspar
iron oxide in the specks
clear qtz veins
mineralization

275 paces

SKR

- veins with
clear qtz & iron oxide

T 70-1-223