

020510

CLAIRE CREEK

Property

Examination

Aug 28 - 31

NTS 105 E - 14

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+
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August 28

Locations 1-~~5~~ 5

samples 1- 6

Location 1.

300/72° S

outcrop

conglomerate

lt-med gys with lt-med gys

subrounded-subangular phls 2-2"
of sub g₃, dk g₄ - blk
cht + cht₂ argillite
some lt-gr cht₂ argillite

matrix - up to 50%
vase - coarse sand
subangular grains of sub
g₃ + blk g₄ cht

few ab feldspar grains
with clay matrix
calc cont

thk bed massive

CC - 1

Schists

various to

collected

some sandstone

lt gy matrix to lt gy

med-crse gr.

subangular, subrounded grains

of qtz + calc feldspar

some chl gr.

non oxid. specks

few small chl + qtz phls

calc emb

- thin bed.

a 8" chl

quite continuous.

CC-2.

36p -

- cong with ^{gray} to cobbles

up to 5"

350 / 80° S.

425

225 feet

- coal

- black thin coal in

discontinuous lenses & stringers
up to 2" thick

in ph. silt cobble congl

- interlamined with
silt. iron rich sandst

CC-Q-3

410

240 feet

5' shale

- dk gy silty siltst
thin bedded siltst.

interbedded with
sandstone

- med gr. gy with red brn
v. dk argillaceous
greywacke volcanic? med.

also
sandstone

lt gy
crs. gr. argill. grain /
siltst + feldspar

265 ft

conglomerate
 - red w. silt
 rounded siltst chert (lt gr. - lt gr.)
 + quartz

- thin coaly shale layer

- massive congl.

360

290'

- small string
 of coal - black - splintery
 looks quite continuous

330

320'

5' ~~4~~ - sandstone

lt. med. gr. w. lth. lt. med. gr.
 coarse, angular
 med. silt grain of quartz
 lt. gr. chert w. fine sand
 calc. layers w. fine
 iron oxide specks
 dark red calc.
 med. thk. bed
 med. phy. indurated

315

335'

- int bed

congl = sandst

at 355 - thin stringer

295

of coal.

- varies up to 6" thick

- in a 6' long stringer.

- sandstone

- arkosic lt-med gr

angular grain of feldspar

and quartz some ch.

- varies from med-thick bed

" some thin bed

friable in part

calc cont.

some iron oxide.

sh. congl interbedded
lenses.

+20' cover

230

Location 2

- outcrop

68°/73°N

- interbedded cong. & sandst

- cong.

rounded pebbles of quartz
+ chert
in matrix of sandstone
material

- grains of quartz, feldspar
+ chert clays, & argillaceous
phls. avg size $\approx \frac{1}{2}$ "

in beds up to 4' thick.

interbedded with
sandstone.

cong.

subangular grains of quartz, feldspar
+ chert

clays matrix

sh. calc. etc.

few chert phls

in beds 6" - 1' thick.

Location 3

siltstone

- dk gy with ls med. dk gy
- argillaceous sands
- qtzite thin beds

in 6" beds
in beds with

siltst - sh

- med bed. with red.
- well indurated
- carbonaceous limest.

C.C. 4

also

claystone

- dk gy with red brn
- well indurated qtzite
- silty argillite?

C.C. 5

- variegated dk gy silty
- & thin bed crumbly.

20' phk outcrop

SKR 170 - loc 3 on 4

interbedded in

6" beds crumpled like all clay
clay, silt

2-6" pebbles
arg. silt.

- faulted.

Location of

conglomerate

345/82°W

- lags
pebbles + cobbles
rounded in pts. lags cont
lags of size:

matrix - up to 50%

lags most are gr
angular gr. of 3' + feldspar
plus clays

main side spec ify
in clay cont.

- also include of

as some matrix
with few pbb. calc cont.

coal stringer 2-3" thick

Location 5 325/83 SW

- other side of gully

420'

230 - in bed cong + sandst

- rounded pbb of wh qb
+ dk qb cbl

- sandst matrix

1' part thk

sandstone beds
few qb = cbl pbb.

rose

- wh feldspars grow
red iron oxide specks.

150

500.

10' thk sandstone

lt med gr with med gr
f - med gr med - w sd
matrix subrounded
grain of qb feldspars
some cut mica
med bed.

510

~~630~~

510-650 conglomerate

100' phys. st. cobbles + shls
of qtz chert + flint
in ss. matrix

0

650-

conglomerate
phys. st.
cobbles up to 6"

7

- thin beds of sandstone
med. log. with org. med. gr.

angular grains of feldspar
some qtz chert
wh. clay matrix
of calc.

arg. in part

large plant fragments
few coal lenses
some 6" chert + 3 ft long
thin bedded

arg. in sandstone
of qtz

CC-6

August 29

Air photo

A12199-73

Locations 6-13

samples 7, 8

Location 6

outcrop

325/70°SW

conglomerate

- clay within to clay
- rounded pebbles of sub qtz
- + 1 kg qtz, chert, chert, angular
- some quartzite

matrix varies up to 75%

sandstone mat
angular grains of sub feldspar
& qtz few 1 kg qtz chert
with clayey matrix
S. from noncalc.

~~sandstone mat~~

sandstone lenses & interbeds

med. qtz med. w. silt
subangular qtz of qtz: feldspar
few chert
reddish oxide specks
with clayey matrix
non calc med bed.
upt 5' thick

75' congl sandst

lt qtz
few rounded plb of
wh of lt qtz chrt
lt qtz fests
few lt qtz chrt plb

sandst matrix

med-crse gr.

sub-angular grain feldspar

lt qtz

chrt grain

wh clay, matrix

few red iron oxide specks

lt-med gr.

90
100

congl-

matrix < 20%

100 - recessive unit

- thin siltstone

med-lt qtz with med gr
argillaceous fests

varies to sandstone

- med-cme gr.

angular grains of wh feldspar

qtz few chd grains

semi musc

no oxide specks

some med bedd 12" beds.

150' - conglt

- skr.

sand inbed.

260' - conglomerate

round shls (< 2")

of dk gr ch, wh qtz

+ qzites

matrix

- med-cme sand

- grain of wh feldspar, = qtz

grains of ch

wh clay, matrix

of mm

315

650 - cover
conglomerate

365

~~700~~ - cover

560' conglomerate

rounded phls of dkgn ch
+ wh dtg
some gyls

matrix of
sand size material

Crags

rounded grains of ch of g
c feldspar
clayey matrix
red iron oxide specks

sandstone

- no shreds

- crags

angular grains of feldspar of g
+ ch
clayey matrix
lamin.

thin coaly stringers
- 1 cm.

cross bedding
shows beds are at side up.

625 conformable

- the bed
introduces / sandstone

650 cover

Location 7

outcrop

- higher up
but strat. below

all of volcanic

- sdgn. f. gr.

highly pherocrypt.
1/2 feldspar
Lentic

CC-7

Loc 8

outcrop 250 pers. or 320

- volcanic

sdgn. f. med. gr.
feldspar 1/2 feldspar

Loc 9

50+150

- rubble or

slumped outcrop

slugs with clay
and or med silt

angular - subangular grains

of white to No 3 R feldspar

shaly silt grain

slim pores

Loc 10

- outcrop

conglomerate

slugs
rounded rubble & pebbles
with clay, silt, med gr
w/ quartz & shaly quartz

sandy matrix

Loc. 11

outcrop

- congl
lt grey matrix to lt grey
rounded pebbles of chert
lt grey chert & lt grey quartz
pebbles < 2"

- matrix of
sandst.

med. gr. angular
grains of feldspar
qtz & chert
grains of quartz
sl. brown

sandstone interbeds

- lt grey
med. coarse med. sd
subangular grains of
feldspar, qtz & chert
wt. clay matrix
sl. brown

in section measured

Location 12

- outcrop

shale

5' argillaceous siltstone

red ^{br} with black ^{br}

silty iron oxid clay
argillaceous

- Fossils

plant fragments

varies to

1/4 gr sandstone

- carbonaceous argillaceous
few mica flakes

10' cover

328/78°SW

50' conglomerate

- Many
rounded plb & cobbles of
shale & Skayck

matrix of
shale, coarse gr of
shale, calciferous
shale, sand

massive - all bed.

Location 13

D-115

- conglomerate
matrix: Skeggs chert phls
12" rounded

- sandstone matrix

regularly interbedded with
sandstone

- med bed
cross bed

August 30

Air photo

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Locations 14-23

Samples 9-17

✓ Location 14

outcrop

298/82° SW

conglomerate
- pl. lithol.

pl. = calcite of lithol
wh. qtz = quartz

matrix

wh. lithol.

prop. - conc. qtz

subangular grains of qtz feldspar & chrt
wh. clayey matrix sd lam.

Location 15

outcrop

volcanic

- dk gy blue with red brown

- aphanitic

massive fold

flow lines

- 60/43 N

acidic pyrite

varies to

med gr. f. gr.

volcanic.

CC-9

②

overlain by.

breccia

- chips of dk gr. crystalline

qtzite

in a med crystalline

wh-ton med crystalline calcite

matrix lma.

larger chips of qtzite etc in place

- mineralization

CC-10

- breccia

Location 16

breccia

alkal. volcanic mat
& glass ch. chrysis
in sub calc matrix -

Location 17

- below 16

volcanic

- lt. gr. matrix to red brown

med. gr.

looks like chert texture

SKR Loc 8

CC-11

- volcanic wacke

cryst. subangular grains of
apparent lt. gr. volcanic material
chry. matrix calc. cont.

med. gr. matrix red brown.

massive field - fld

~~CC-12~~

CC-12

Location 18

outcrop

volcanic - wacke

lt gr. with ls. & arg. tan.
med gr. grains of lt gr. feldspars
& volcanic rock
iron oxid. clay matrix
calc. sand
massive, feld. jtd
veined
chert inclusions

Location 19

outcrop

volcanic

med gr. with ls. to med gr. red brn
f. med gr.
massive
feld. & arg. jtd

Locatio 20

300/69°S

- volcanic

- lt. medgn with to red brn
fg. small phenocrysts of hbl
- dis. pyrite.

- intercalated sed.

- laminated 4/5 of siltstone
5 mm thick
argillaceous tip

sandstone

lt. fg. - tan with red brn
fg. feldspathic
iron oxide red
calc. cont.

also

breccia material

chips of fg. - chl + volcanic
in wh crystalline matrix
matrix.

Location 21

outcrop

280/80 SW

arkose

lt pink with some brown

frag. phyl. std

angular fr. of feldspar

some chert fr.

in matrix of fgr feldspar

clay & iron oxide

massive

fold = pinned jtd.

in Abcd with

black arg. mudstone

silty black

carbonaceous sh. & silt.

interfingering

arkose & slab

some arkose

with iron oxide with

angular chips of ~~phyl. std~~ feldspar

CC-14

Outcrop: fold, sand

fractured up pass interbed

veins in small dikes?

of breccia

Shaly blue with ls. tan.
Cherty matrix
chips of ls?

CC-15

- sample 14

- veins in
sh breccia

- clastic?

angular ls
V. Disc of angular chips of
feldspar & quartz in
iron oxide matrix
fld = fld

CC-16

100' south

volcanic (or dikes rock)

sh blue grey
asphalitic
massive andinite?

varies to
red green volcanic
f. medgs

100' off south.

- like a vein? date 185

- light blue
ref. fine grain cherty.

- along ridges
light blue aphanitic volcanic

further down ridge

SKR CC-14

Location 22

- small knob

- volcanic

lt. gn. vesicles to dk. gn.
of sp. *prochilite* (dark)
sulfide min.
grossi
feld - fld.

Location 23

- top of hill

- volcanic

med. dk. gn.

Am. of sp. - med. gn.

spherulitic

some phenocrysts of feld

CC-11

Man

Location 24

- gneched up outcrop

- ~~pr~~ or rose

- light feldspar rich
w/ fine vein of
wheatite - no oxide

also greywacke

- ~~one~~ top core - med of
angular of feldspar +
clay matrix

also thin breccia

thin chert - w/

veins of tin

thin chert, chips of the material

August 31

Air photo

A12199-73

Locations 23-35

Samples 18-24

Location 25

- outcrop or
rudolite
- sky bank

- rhizolite
- dikes or flows?

sk. tan
with oxide within phenocryst
fgr

CC-19

Location 26

outcrop

volcanic

- Skgr within Skgr
- 2. dense: same

fgr phenocryst:
some apophytic

hhdt, pyroxene

CC-20 SKR CC-17

Location 27

outcrop - above road.

- rhyolite

shencrypt up to 5 mm

of red iron oxide with magnetite
feldspar in a web of fgs
granular
small plates of biotite

CC-20

massed as plug head

dike? or volcanic?

to

- above this

subtle skew shape

SKR CC-20

top SKR - CC-20
upgs

Loc 28

- 2d

- SKR. CC-20

10³ dikes

Loc 29

- skp

- amphibolite

C.C.-21

Loc 30

- amphibolite a ^{secondary} _{to overlying units}
- lt. gray wh. ^{to overlying units}
red iron oxide specks
veins of iron oxide
mass & calcite.

C.C.-22

overlain by

volcanic

- med. dk. gray with the same
small fragments of white

C.C.-23

Location 31

outcrop
hyalite
SKR. CC-20

Location 32

outcrop
hyalite
- cut up by sandstone
with shall (up to 5 mm)
preserved of tan color
material (paleogen?)
mi

Location 33

outcrop
volcanic
- pkgr
f. med gr.
lavite sandstone

CC-24

Location 34

- outcrop?

volcanic
med - sk gr
f - med gr.

Location 35

- outcrop
SKR.

Location 36

- outcrop
two SKR