SAMPLE No. .... to	
N.T.S.	105 - J - 12
PHOTO	
SAMPLER	DOW FRANCIS
PROJECT:	
SCALE	
DATE:	June 1969
GEOGRAPHIC LOCATION:	

	DATE	INIT.
SHEET .... of		
SAMPLE LOC PLOTTED		
VALUES "		
GEOLOGY "		

REMARKS: Field notes for Geol. mapping of May & Box Group AREA

MERRY MT

MAY CLAIM

GROUP

GEOLOGICAL MAPPING

DON FRANCIS

MAY 30/69.

PEAK 5267 A.R. 12189-72.

ROBERTS SHOWING.

- UP TO 35% SULPHIDES CONSISTING OF 1 MM XYLS OF SPHALERITE & GALENA AS BLEBS AND STRINGERS IN A V.F.G. GREEN XYLINE MATRIX. ACID INDICATES SOME CALCAREOUS NATURE TO MATRIX

- GALENA 30-40% } OF
- SPHALERITE 70-60% } SULPHIDES

ABOVE AS FLOAT

- BLASTED TO OC.

OC - HIGHY CARBONACEOUS, BLACK (WHEN WET) SHALEY Rx. X.F.G., SLIGHTLY CONTORTED FOLIATION PRODUCING SHALEY PARTINGS. STRIKE: 160°
DIP : 54° NE
FOLIATION PROBALY BEDDING.

MAY 30/69

OC #1 LT GREEN-GREY SLATE X.F.Gr., WEATHERED SURFACE MED, BR. GR GREY 69F2R

STRIKE 120° } CLEAVAGE
DIP 96°

GOES TO RED SLATE AT TOP OF RISE. 100' S. OF ABOVE CLEAVAGE IS FRAGMENTAL HERE

OC #2 F.-M.Gr ALTERED, LT GREENISH GREY INTERMEDIATE INTRUSIVE. < 5% 2mm WHITE FELDS PHENOS (GRAINS OBSCURED) MINOR QTZ PHENOS, PY AND MAGN, ≤5% BIOTITE (CHLORITIZED) MATRIX. SURFACE IS REDDISH WHITE. PROBABLY GRANODIORITE TO QTZ MONZONITE

69F3R

OC AREA ABOUT 100' WIDE FLANKED ON E & W BY GREEN SLATES WITH FRAGMENTAL CLEAVAGE

STRIKE 135°
DIP 75° SW

- APPROXIMATE STRIKE OF CONTACT ON WEST IS 60°

OC #3 OC OF QTZ-MON INTRUSIVE. 5mm WHITE PHENO FELDS MORE PROMINENT TO 15%

- CONTACT WITH BLACK XFGr MASSIVE HORNFELS. LIGHT GREY TO RUSTY COLOURED WEATHER SURFACE. ON WEATHERED SURFACE, DIFFERENTIAL ACTION REVEALS REMNANTS OF SLATELY CLEAVAGE WHICH IS NOT APPARENT IN FRESH RXS.

OC #4 HORNFELS AS ABOVE 69F4R.

OC #5 M.Gr QTROSE SAND-
STONE. 60-80% ROUNDED
QTZ GRAINS, ADDITION
GRAINS OF QTZ AND
LIMONITE. (5%) BINDER IS PARTLY
CALCAREOUS. Gr SIZE IS
1.5MM. MASSIVE Rx, SMALL
OC, NO VISIBLE STRUCTURE

- WEATHERED SURFACE,
RUSTY DARK GREY

69 F5 R.

OC #6
N TRENDING RIDGE OF
OC. TO SOUTH RESEMBLES
QT MONZONITE OF BEFORE.
HOWEVER TO NO MUCH
MORE ALTERED, GRAINS
MUCH LESS APPARENT
ALL MAFICS CHLORITIZED.
- ON WEATHER SURFACE
RESEMBLES GREEN GREY (MED)
VOLCANIC WITH DISTINCT
TO 5MM WHITE FELDS
PHENOS. 69F6R.
- FINALY REACHES POINT
AT WHICH, THOUGH SURFACE
IS SAME AS ABOVE, FRESH
SURFACE IS MASSIVE, DARK
GREEN GREY, XF. Gr Rx
OF HARDNESS 9-5.5. SOME
CALCAREOUS MATERIAL PRESENT
69F7R

TO WEST OF FIRST CAMP.

MAY 31/69

OC #7: 20' SECTION OF BLUE-BLACK BEDDED CHERT.
CHERT IS X.F.G., AND WEATHERS TO A LT-MED GREEN GREY COLOUR
- BEDDING VERY WELL DEVELOPED, THICKNESS VARIES FROM 1" TO 6".
- Rx HIGHLY FRACTURED RESULTING IN CRUMBLY APPEARANCE.
- STRIKE 60°
- DIP 10° N
- DF698R

- AT UPPER CONTACT ROCK IS HIGHLY FRACTURED PRODUCING CLEAVAGE AT RT ANGLES TO THE BEDDING
STRIKE - 131°
DIP - 72° N

MAY 31/69

- overlying the chert is a 2' section of thickly bedded (6"-1') XF.G. BLACK MICRITIC LIMESTONE. SUGGESTIONS OF LARGE FRAGMENTAL LIMESTONE, but MASKED NO FOSSILS. STRIKE - 110°
DIP - 30° N

- ANGULAR UNCONFORMITY BETWEEN LIMESTONE & CHERT
DF699R.

- THE ABOVE IS TOPPED BY A 30' SECTION OF MASSIVE BLACK, XF.G., MICRITIC LIMESTONE. SUGGESTION OF LARGE SCALE FRAGMENTAL MATRIX (>1") VAGUE, BUT PRESENT.
- ROCK CHARACTERISED BY TO 1" BLEBS AND STRINGERS OF WHITE RECRYSTALIZED CALCITE
- WEATHERED SURFACE VARIES FROM LT GREY TO RUSTY WHITE

MAY 31/69

DISCONTINUOUS STRINGERS OF TO 1 CM BLACK CHERT PEBBLES STAND OUT ON THE WEATHERED SURFACE OF 6910.

100' TOE UNCONFORMITY STRIKES UPWARDS. STRIKE 188° DIP 92°

- SMALL OVERTURNED FOLD IN THE UNDERLYING CHERT
  - PLUNGE 91° NW
  - TREND 320°

- FURTHER EAST SECTION OF BEDDED LIMESTONE THICKENS TO 10' AND BECOMES BR. WHITE, V.F.G., AND OBVIOUSLY RECRYSTALLIZED.

- MASSIVE LIMESTONE CONTINUES TO THE TOP OF THE HILL.

MAY 31/69

OC #2: THICKLY BED (1 ± 3') FORM OF THE DENSE X.F6r, BLACK MICRITIC LIMESTONE WITH ABUNDANT CALCITE STRINGERS AND BLEBS. INFREQUENT CHERT PEBBLES UP TO 1' IN LENGTH ARE FOUND ON SOME OF THE BEDDING PLANES. ELONGATED ⊥ TO BEDDING

STRIKE 20°
DIP. 68° E

OC #3 STRIKE 350°
DIP 90°

OF6911
- ON EAST, EXTREMELY DARK GREY TO BLACK MICRITIC LIMESTONE. X.F6. LIME FRAGMENTS SEPARATED BY FINE BLACK ARGILLACEOUS FISSURES, GIVING RX A FRAGMENTAL APPEARANCE WHEN WET. THICKLY BEDDED

MAY 31/69

1' BEDS. TO WEST LIMESTONE BECOMES LIGHTER BROWNISH GREY, V.F.6r, BUT DEFINITELY RECRYSTALLIZED. STILL SUGGESTIONS OF IT HAVING ONCE BEEN FRAGMENTAL. BEDDING NOT DEFINEABLE, NO MANY FRACTURE PATTERNS. - QUITE HORNS.

BOTH RXS HAVE A LT GREY SURFACE WEATHERING COLOUR

- SECOND ROCK HAS BLEBS AND FINE STRINGERS OF THE BLACK MICRITIC MATTERIAL OF6912

OC #4 BLACK, X.F6r, MICRITIC LIMESTONE, CUT BY FREQUENT ⅛" AND SMALLER STRINGERS OF WHITE CALCITE. SAME AS OC #1. POOR OC, BEDDING NOT DETECTABLE.

MAY 31/69

OC #5 - SAME AS #4 EXCEPT IN PLACES RECRYSTALLIZATION HAS OCCURED GIVING GR SIZE TO 1 MM. & LOCAL PHENOMENA. - PARTING TAKEN AS BEDDING, BEDS AVERAGE 1' THICK - STRIKE: 166°
DIP: 70 SW

OC #6 SIMILAR TO ABOVE X.F. GR BLACK MICRITIC LIMESTONE, FAIRLY MASSIVE NO BEDDING APPARENT. HOWEVER PATCHES OF RE-CRYSTALLIZATION ARE EXTREMELY COMMON GIVING GRAIN SIZE OF FROM 1-2 MM. IN ADDITION FREQUENT VEINS AND STRINGERS OF CALCITE ARE PRESENT AS WELL AS DECERNABLE FRAGMENTS OF XF. GR BROWNISH GREY MICRITIC LIMESTONE, TO 1/4".
DF 69 13

MAY 31/69

OC #7 OC OF MODERATELY DIPPING LT BR GREY TO LT GREY CHERT. CHERT HAS A MOTTLED APPEARANCE DUE TO MANY MINUTE FRACTURES LINED WITH DARK MATTERIAL AND ALSO DUE TO COLOUR VARIATION. FRAGMENTS BETWEEN FRACTURE AVERAGE 5 CM
10' SECTION
STRIKE: 132°
DIP: 42° SW

RX HAS MODERATE BEDDING AVERAGE 6"
DF 69 14

- UP SECTION IS A 50' SECTION OF BEDDED LIMESTONES. LIMESTONE VARIES FROM ALMOST MASSIVE AT THE TOP OF THE SECTION TO FINE BEDDED LAYERS ALMOST THICKLY BEDDED LAYERS IN THE LOWER HALF OF THE SECTION. AVERAGE BED IS 1'

MAY 31/69

BEDDED LIMESTONE IS A BLACK TO DARK GREY, X.FG. MICRITIC LIMESTONE, HIGHLY SIMILAR TO PROCEEDING ONES EXCEPT LESS CALCITE STRINGERS AND MORE DISTINCT BEDDING. WEATHER SURFACE A LT RUSTY BR.

- A FEW CHERT NODULES ALONG BEDDING. (UP TO 1')

STRIKE 190°
DIP 54° SW

RX IS FINELY LAMINATED ON FRESH SURFACE

- IN UPPER MORE MASSIVE PART OF THE SECTION, CALCITE ~~VEIN~~ BLEBS AND STRINGERS ARE MUCH MORE COMMON AND MUCH OF THE RX HAS BEEN RECRYSTALLIZED IN A SPLOTCHY MANNER. IN PLACES THE GR SIZE IS UP TO 2 MM.

- SAME IN THE STREAM JUST OVER THE HILL

MAY 31/69

OC #8 15' - BASE SECTION OF DARK GREY, MASSIVE IMPURE QTZITE WITH A CALCAREOUS BINDER. F.GT 1+MM G.S. QTZ AS ROUNDED GRAINS FORMS 80% OF RX. LIMONITE SPECKS 1+MM FORMS 5+%, REST IS FELDS AND CALCITE CEMENT. WEATHERED SURFACE IS BROWNISH WHITE. DF69 15R.

- 30' PURPLE-BLACK X-F.GT CHERT, WELL BEDDED, BEDS AVERAGING 6" IN THICKNESS. GREEN-GREY SURFACE WEATHERING COLOUR HIGHLY SIMILAR TO PREVIOUS CHERTS.

STRIKE 166°
DIP 70° SW.

-70' OF POORLY BEDDED OF XF.GT - F.GT, BLACK - DARK GREY MICRITIC LIMESTONE

MAY 31/69

MUCH CALCITE STRINGERS AND BLEBS, ALSO LOCAL RECRYSTALLIZATION TO 1MM GRAINSIZE. SAME AS THOSE PREVIOUS.

OC #9 OC OF MASSIVE XF.GT BLACK TO DARK BROWNISH GREY MICRITIC LIMESTONE CALCITE BLEBS AND STRINGERS ARE FREQUENT. WEATHERED SURFACE IS A LIGHT GREY PROBABLY FAIRLY ARGILLACEOUS BECAUSE IT DOESN'T FIZZ AS WELL AS IT SHOULD.

OC #10 OC OF F.GT QTZOSE SANDSTONE AS BEFORE IN OC 8 STRIKE 138°
DIP 60°S
OF FOLIATION (BEDDING?)
30

ABOVE THIS RIDGE IS CAPPED WITH LIMESTONE, SAME AS OC #9

MAY 31/69

THE LIMESTONE LIES ABOVE THE SANDSTONE, CONTACT IS APPROXIMATELY // TO FOLIATION IN SAND STONE.

OC #11 BROWNISH WHITE, XF.Gr WELL BEDDED MICRITIC LIMESTONE. CONCOIDAL FRACTURE. SOME CALCITE STRINGERS CUTTING Rx OF 69 IGR

STRIKE 108°
DIP 26° NE

WEATHERING SURFACE IS A LT GREY. THE ODD ~~SEVERAL~~ 2" BLACK CHERT LAYERS BETWEEN BEDS OF LIMESTONE AS WELL AS 1' ELONGATED // TO BEDDING CHERT LENSES.

- BELOW THE LIMESTONES IS 6' SECTION OF RED, XF-G. RED SHALE WITH THINLY BUT

NOTE SHALE IS GREEN FOR THE FIRST FEW FEET AT TOP. MOST OF IT THAT SHOWS HOWEVER IS RED (NEAR BASE)

MAY 31/69

UNEVENLY SPACED BEDDING (BETWEEN $\frac{1}{16}$" - 2") BEDDING IS ∥ TO THAT OF THE LIMESTONE. DF69 17.

- BELOW THE SHALE IS A 6' SECTION OF BLACK CHERT /GREEN GREY ON THE WEATHERED SURFACE. THIS CHERT IS THINLY BEDDED, APPROX 1" SAME AS CHERTS OF BEFORE EXCEPT BLACKER

OC12 BACK INTO FAIRLY MASSIVE BLACK XFGr. MICRITIC LIMESTONE.

- SEEN FROM A DISTANCE RX SEEMS TO HAVE A PARTING OR SIONTILY PRODUCING ⊥ SLABS OF 2' IN THICKNESS
  - STRIKE 155° } BEDDING
  - DIP VERTICAL. } ?

MAY 31/69

OC #13 X.FGr - F.Gr BLACK

MICRITIC LIMESTONE. IN PLACES IT IS RECRYSTALLIZED TO GRAIN SIZES OF 1+mm - 2mm. CALCITE STRINGERS AND BLEBS VERY COMMON. NO OBSERVABLE BEDDING.

- WEATHERED SURFACE LT-MED GREY.

DF69 18R.

JUNE 1/69. A12371-26.

OC #14 - DARK GREEN-GREY. BLACK MICRITIC LIMESTONE, X.F.Gr. MANY VEBS AND STRINGERS OF CALCITE. NO DEFINITE BEDDING OBSERVED FAIRLY MASSIVE. WEATHERED SURFACE IS LIGHT GREY. PROBABLY CONTAINS SOME ARGILLACEOUS MATTERIAL AS IT FIZZES BUT NOT AS VIGOUROUSLY AS IT SHOULD.

OC #15 X.F.Gr. DARK GREY TO BLACK MICRITIC LIMESTONE AS BEFORE. PARTIALLY RECRYSTALLIZED TO 1mm Gr. SIZE IN LOCAL PATCHES. THE ONLY LENSE OF GREEN BLACK CHERT (TO 2+') ON A FEW OF THE BEDDING PLANES.

STRIKE 012°
DIP 32° W

JUNE 1

- CONTINUES AROUND TO THE SOUTHEAST PORTION OF THE OC

STRIKE 18°
DIP 39° W

- BEDDING IS BETTER DEFINED HERE

OC #16 POORLY BEDDED, X.F.Gr. GREENISH BLACK CHERT. CHERT IS CUT BY NUMEROUS ## FRACTURES FILLED WITH BLACK MATTERIAL. GIVES RX A FRAGMENTAL APPEARANCE WHEN IT IS WET. SURFACE (WEATHERED) IS A RUSTED DARK GREEN GREY.

BEDDING IS IRREGULAR.
STRIKE APROX W
DIP 90-30° - N.

DF 69 20R

JUNE 1

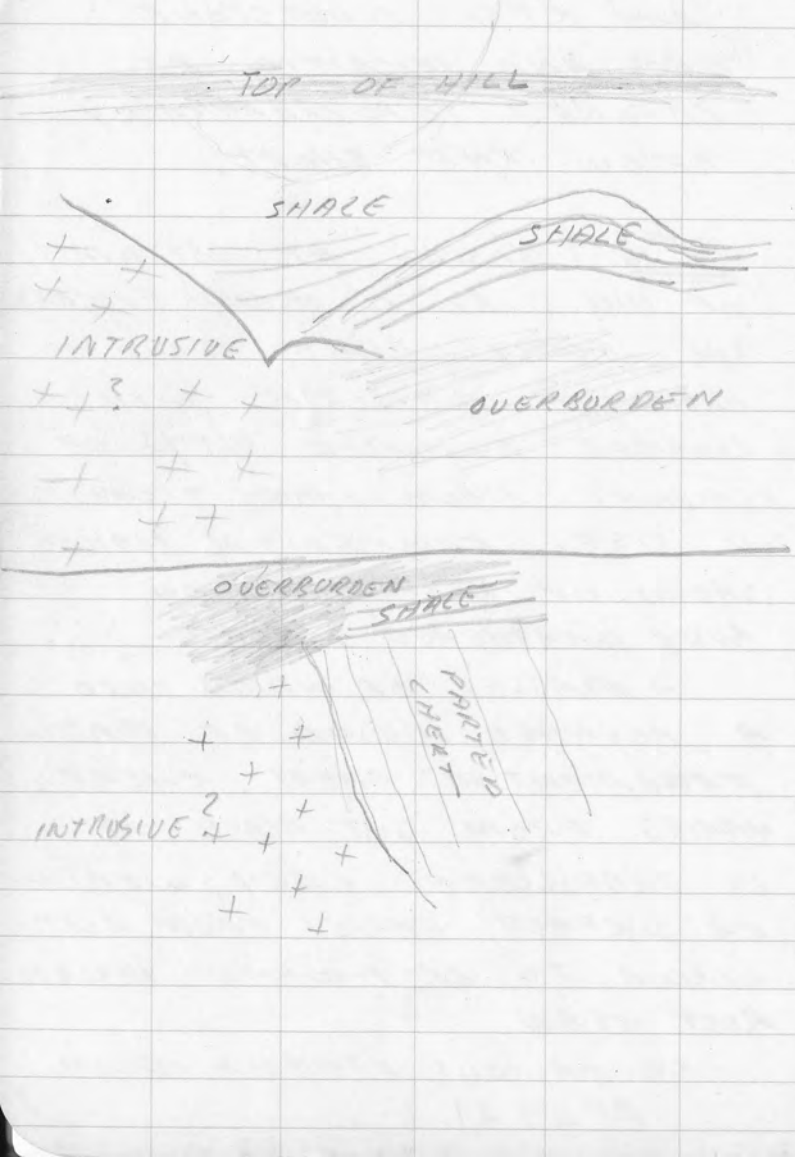
OC #17 OC OF MASSIVE ~~LIM~~ X.FG. LIMESTONE BLACK AND MICRITIC AS BEFORE. TOPOGRAPHICALLY BELOW THE CHERT.

OC #18 GOSSAN AT BOTTOM OF HILL. Rx IS HIGHLY FRAGMENTAL, MOSTLY BLACK XFG. ARGILLACEOUS MATERIAL WITH ROUNDED ELONGATED BLEBS OF LIMONITE FROM 1 MM - 1 CM IN SIZE. FRAGMENTAL NATURE SHOWS UP ESPECIALLY ON RUSTY WEATHERED SURFACE.

- PASSES UPWARDS INTO A ROUNDED MOUND OF MASSIVE FRAGMENTAL CHERT. CHERT VARIES FROM JET BLACK TO LT TRANSLUCENT GREY. WEATHERED SURFACE VARIES FROM RUST COLOUR TO GREY-WHITE. MUCH RUST STAIN.

- NO OBVIOUS STRATIFICATION.

SECTION NW - SE



JUNE 1

FOLIATION IN CHERT
AT THE OTHER SIDE OF THE
QC (S SIDE)

STRIKE : 396
DIP : APPROX 80° E.

CONTACT : 360° STRIKE
78° E DIP.

CONTACT TO ? SANDSTONE
OR INTRUSIVE
OF 6922R

SEE BACK OF
THIS PAGE.

- OVERLYING BOTH THE ? INTRUSIVE
AND CHERT IS A SMALL
BODY OF F. BEDDED ½ - 1/16"
DARK BROWNISH GREY TO BLACK
F.G. SHALE. HIGH MN. STAIN
AND A REDDISH BROWN SURFACE
COLOUR DUE TO RUSTY NATURE
ANTICLINE PLUNGING 40° TO
076° JUST ABOVE INTRUSIVE
?

OF6923R

- M.GT ALTERED LEUCO DIORITE OR GRANODIORITE WITH 15% MAFICS (HORNBLENDE) FELDS 80%
- MINOR % PYRITE, SECONDARY BIOTITE
- ALTERED IN THAT GRAINS ARE NOT DISTINCT, 1-2 MM.

JUNE 1

OC #19 OC OF CHERT SAME AS #18, LIGHT WHITE, SURFACE COLOUR, DARK INTERIOR WITH MUCH MANGANESE STAIN AND RUST STILL HAS FRAGMENTAL NATURE. MN STAIN MAY BE PARTLY CARBONACEOUS.

OC #20 EXTENSIVE OC OF POORLY BEDDED TO MASSIVE CHERT. COLOUR VARIES FROM LIGHT GREY TO DK GREY TO BLACK. IN PLACES THERE IS MUCH MANGANESE STAIN. AS BEFORE CHERT SEEMS QUITE FRAGMENTAL WITH # BLACK BANDS OR VEINS SEPARATING THE FRAGMENTS. AT SOUTH END OF OC 20 PARTING ° - STRIKE 015°
- DIP 80° W TO ⊥

PROBABLY BEDDING.

WEATHERED SURFACE VARIES

JUNE 1

FROM LIGHT WHITE GREY TO DARK RUSTY BROWN, DEPENDING ON THE AMOUNT OF LIMONITE.

IN PLACES THE MN STAIN IS VERY INTENSE, ALTERATION TO SUCH A DEGREE THAT SOME OF THE CHERT HAS BEEN SOFTENED

OC #21 CONTINUING CHERT AS ABOVE. AS GO SOUTH FRAGMENTAL NATURE INCREASES UNTIL AT THE END ROCK IS ALMOST A CHERT PEBBLE CONGLOMERATE WITH ROUNDED TO SUB ANGULAR FRAGMENTS FROM 2 CM TO 2 M IN SIZE. QUITE A BIT OF LIMONITE STAIN.

IN PLACES - IN OTHER PLACES AT THE SOUTH END CHERT IS STILL FAIRLY MASSIVE, THOUGH

SUGGESTING A FRAGMENTAL NATURE.

DF6924R
DF6925R.

OC #22 : OC # OF HIGHLY FRAGMENTAL DARK GREY CHERT. FRAGMENTS SUB-ANGULAR AND VARY FROM 1MM TO SEVERAL CM.
- CHERT WEATHERS TO LT GREY WHITE COLOUR WHEN NO RUST IS PRESENT. SAME AS BEFORE EXCEPT MORE DISTINCTIVELY FRAGMENTAL
- NO APPARENT BEDDING.
MUCH IRON OXIDE STAIN.

OC #23 X.F.GT FRAGMENTAL CHERT. VARIES FROM R+ WITH NEARLY 100% BLACK CHERT WITH LIMONITE VEINS AND BLEBS DEFINEING CHERT FRAGMENTS. TO MIXED SIZES OF GREEN GREY CHERT FRAGMENTS (2CM-

1MM) IN A LIMONITE MATRIX FRAGMENTS ALL SUB ANGULAR TO SUB ROUNDED

DF6926
DF6927

OC #24 - OC OF HIGHLY FRAGMENTAL GREEN GREY CHERT SUB ANGULAR FRAGMENTS 2MM - SEVERAL CM. SOME LIMONITE CEMENT EXACTLY SIMILARY TO PREVIOUS.

OC #25 OC DARK GREY-GREEN FRAGMENTAL CHERT MORE MASSIVE & COHESIVE THAN ABOVE BUT STILL DEFINITELY FRAGMENTAL AS ABOVE.

~~NO DISTINCT FOLIATIONS OR BEDDINGS.~~
PARTING INTO $\frac{1}{2}$" AND BIGGER SLABS ON WEATHERING SURFACE RUNS 195° 90° DIP
? BEDDING NOT VERY DISTINCTIVE

JUNE 1

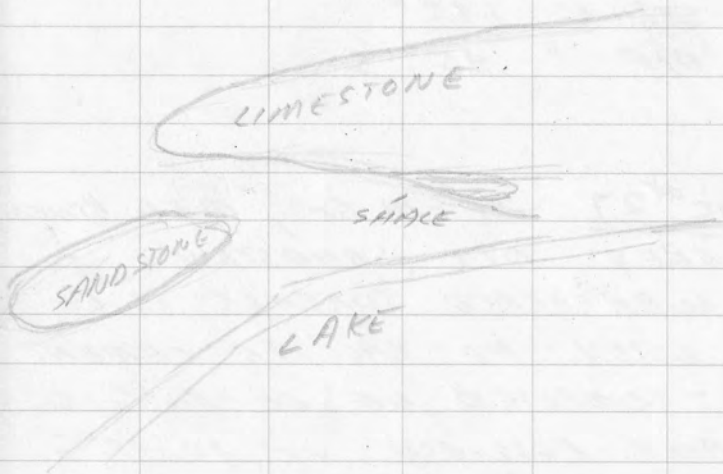
OC #26 TRUE THICKLY BEDDED CHERT PEBBLE CONGLOMERATE. BEDS AVERAGE 1' IN THICKNESS WITH EXTREMES OF OVER 5'. EACH BED IS CHARACTERIZED BY ITS OWN MAXIMUM PEBBLE SIZE.
- IN SOME BEDS ALMOST ALL CHERT PEBBLES ARE UNDER 1" IN SIZE. IN OTHER BEDS THE AVERAGE PEBBLE IS 2"
THOUGH EACH BED IS CHARACTERIZED BY ITS AVERAGE PEBBLE SIZE, THERE IS A WIDE RANGE OF PEBBLE SIZE IN ANY ONE BED. MAXIMUM RANGE 1MM - 2'
- BOTH THE GREEN-GREY AND THE BLACK CHERT ARE PRESENT AS SUBANGULAR TO SUBROUNDED GRAINS.
THE PEBBLES FORM 80+% OF THE RX.
- NO GRADING CAN BE OBSERVED IN ANY ONE BED.

JUNE 1

LIMONITE STAINED, AND WHITE-GREY - LEACHED CHERT PEBBLES ARE ALSO ABUNDANT.
- NO CALCAREOUS MATTERIAL PRESENT
6 90F 28
- MINOR LIMONITE ON WEATHERED SURFACES.
STRIKE 192°
DIP 45° S.

OC #27 - F-M GR, MED BROWISH GREY QTZ SANDSTONE. WEATHERED SURFACE IS LT GREY. NO CALCITE CEMENT
- COMPOSED OF 60-80% QT AND POSSIBLY UP TO 15% FELDS.? GRAINS ARE ROUNDED AND VARY FROM <1MM - 2MM. POSSIBLY SOME CHERT PARTICLES.
OF 5 29

W SECTION E

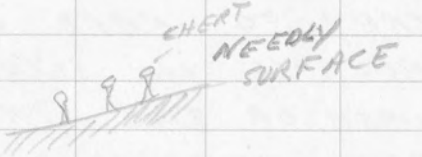


JUNE 1

OC #28 TOPOGRAPHICALLY ABOVE AND TO THE EAST OF THE SANDSTONE THERE IS A LARGE OC OF FRAGMENTAL MICRITIC LIMESTONE. FRAGMENTS ARE BROWNISH GREY TO DARK GREY AND AVERAGE IN SIZE OF AN INCH OR TWO. THE FRAGMENTS ARE SEPARATED BY ½ TO ¼" STRINGERS OF BLACK LIME MUD, WHICH IN SOME PLACES IS RECRYSTALLIZED TO A GR SIZE OF 1 mm

DF6930

100' FURTHER EAST AND DOWN SECTION A BIT THERE IS A CONTACT BETWEEN THE LIMESTONE AND UNDERLYING GREEN-GREY V.F.G. SHALE - HAS A RUSTY RED BROWN WEATHERED SURFACE COLOUR. - THE SHALE IS HIGHLY FRIABLE AND BREAKS INTO MANY SMALL



JUNE 1

1-2 cm SCALES.
- STRIKE - 122°
- DIP 33° N

THE LIMESTONE ABOVE IS THE BLACK XFG, MICRITIC VARIETY WITH NUMEROUS WHITE CALCITE STRINGERS AND BLEBS. - IT ALSO SEEMS TO CONTAIN 1-2 mm -MENT NODULES AS EVIDENCED BY A NEBBLY WEATHERING SURFACE IN PLACES

THE TWO Rx TYPES ARE UNCONFORMABLY SEPARATE. ANGULAR UNCONFORMITY ? UNCERTAIN BECAUSE CANNOT DEFINE BEDDING IN THE LIMESTONE

-200' FURTHUR ON Rx APPEARS TO BE THICKLY BEDED (6"-3') AND STANDING ON END. (MAY POSSIBLY BE SOINTING ?
-STRIKE 142°. DIP: APPROX 75°S

JUNE 1

AT THE TOP OF THE CLIFF, VERTICAL AT MIDDLE (20' DOWN FROM TOP) AND 72° N 20' FURTHER DOWN AT THE BOTTOM.

- DUE TO IRREGULAR WAVES OR RISES AND FALLS ON ONE SIDE OF BEDDING PLANE WOULD SUGGEST TOPS AR TO THE N?

→ TOPS?

CONJECTURE.

- SAME TYPE OF LIMESTONE AS BEFORE, EXCEPT IT IS DARK BROWNISH GREY AND X.F. Gr.

JUNE 1

QC #29 DARK GREY M.-C. Gr. ~~M. Gr.~~ 1-3 mm, QUARTZOSE SANDSTONE, WITH ROUNDED QTZ GRAINS MAKING UP 90%. MINOR CALCITE IN BINDER. ONLY A LITTLE IRON OXIDE.

- MASSIVE.

- QC IS RT AT WATERS END THIS TIME, ABOUT 10' HIGH

- ~~CURVED~~ JOINTING STRIKING 136°, SIMILAR TO LIMESTONE, VERTICAL AT 5' MARK 70° N AT BOTTOM.

QC #30 30' OF HIGHLY FRIABLE RED SHALE AS IN QC 28 STRIKE - 90°

DIP - 18° N

- LIMESTONE AS IN QC 28 ON TOP OF THE HILL.

JUNE 2

OC #32 SMALL OC OF X.F.Gr - M.Gr. DARK-GREY MICRITIC LIMESTONE, WHITE CALCITE BLEBS AND STRINGERS COMMON. Rx. IS M Gr WHERE RECRYSTALLIZATION OF THE LIME MUD HAS OCCURED, PRODUCING 1 MM Gr. SIZE.
JOINTING (BEDDING ?)
STRIKE - 160°
DIP. - 75° NE TO ⊥

OC #33 SAME AS 32, EXCEPT BLACKER, AND FEWER PLACES OF RECRYSTALLIZATION.
JOINTING, PROBABLY BEDDING
- STIKE - 075°
- DIP - 38° NW.

JUNE 2/69

OC #34 ALTERE MASSIVE LT GREEN GREY Rx WITH BLURRED 1-2 MM GRAINS WEATHERED SURFACE IS LT BROWNISH WHITE.
- IN SOME PLACES IT RESEMBLES A QTZOSE SANDSTONE WITH ROUNDED GRAINS. Rx TOO SOFT TO BE ALL QTZ HOWEVER, AND MAJORITY OF Rx CAN'T REALLY SEE THE GRAINS.

DF6934

OC #35 V.F Gr BLACK VOLCANIC Rx ? MASSIVE ON FRESH SURFACE. ON WEATHERED SURFACE, 5% 2 MM RUSTY WHITE FELDSPAR PHENOCRYSTS.
- HARDNES OF Rx IS 4-5.
- NON CALCAREOUS

- DF6935

IS IT POSSIBLE THAT THIS IS.

ALTERED INTRUSIVE.?
ANDESITIC COMPOSITION.

OC #36 LARGE OC OF RED - TO GREEN WEATHERED SHALE. SIMILAR TO THOSE SEEN BEFORE EXCEPT THAT THE FOLIATION IS HIGHLY IRREGULAR AND NOT AS WELL DEVELOPED, PRODUCING A MORE COHESIVE OC.

- FRESH SURFACE IS USUALLY A MED. GREEN GREY, MAY BE BLACK WHERE THERE IS MUCH Mn STAIN AND SOMETIMES THE RED SURFACE COLOUR IS PERVASIVE

X.F6.

OC #37 - SMALL OC OF X.F6. GREEN (~~DARK~~) GREY SHALE, MOSH THE SAME AS 36, WITH IRREGULAR FOLIATION TENDING GENERALLY NW. AGAIN IT IS LESS FRIABLE

THAN SHALES OF PREVIOUS DAYS.

DF6936

OC #38 OC OF MASSIVE META SANDSTONE, ~~ROCKY~~
NO DISTINCT BEDDING.

- ON THE WEST IT IS A DARK GREY TO BLACK F-MED (1mm - 3mm) QTZOSE SANDSTONE CEMENTED WITH CALCITE. QTZ GRAINS ARE ROUNDED, AND MAKE UP 90% OF THE ROCK.

- TO THE WEST RX BECOMES MORE COHESIVE, AND TURNS TO A LT REDISH BROWN WHITE. ALMOST IMPOSSIBLE TO RECOGNISE GRAINS IN RX ON WEATHERED SURFACE IT CAN BE SEEN THAT MUCH OF THE SANDSTONE IS FELDS NOW, QTZ GRAINS 10-20% IT IS EXTREMELY DIFF TO IDENTIFY THIS RX

ARKOSIC

SANDSTONE

OVERBURDEN

1'

1'

2'

10"

80/10

10

GREEN SHALE

CHERT

DARK GREY SHALE

DARK GREY SHALE

OVERBURDEN

RED OR PURPLE SHALE

STRIKE AT THIS POINT

380 50%

EXCEPT THAT IT IS CONTINUOUS WITH THE OTHER DARKER SANDSTONE. THE WEATHERING SURFACE IS A LT RUSTY BROWN. THIS ROCK TWO HAS SOME CALCAREOUS CEMENT

DF6937
DF6938.

NB - AT THE BOTTOM OF THE OC IS AN ANTICLINE INVOLVING A SEQUENCE, OF GREY-GREY/(MED) BEDDED CHERT, AND GREEN-GRAY SHALE, THE SAME AS THOSE OFTEN OBSERVED BEFORE AND BEDDED DARK-GREY QTZ SANDSTONE

OC #39 STRIKE: 115°
DIP & 58° N

MED BROWN (REDDISH) F.GR ARKOSIC SANDSTONE. 10-15% QTZ, 75-80% FELDS. MUCH OF ROUNDED QTZ GRAINS ARE LARGER THAN GRAINS OF THE REST OF THE ROCK 1+mm COMPARED TO 1 mm.
- SANDSTONE IS FAIRLY WELL BEDDED
- THIS OUT CROP IS TOPOGRAPHICALLY BELOW OC #38.
- SURFACE COLOUR IS A RUSTY RED BROWN.
- SOME CALCAREOUS CEMENT

DF6939

OC #40 M.GR, MED BROWNISH GREY ARKOSIC SANDSTONE WITH ROUNDED QTZ GRAINS TO 5 mm, CLEARS MATRIX GR. SIZE IS 1-2 mm.

JUNE 2/69

- QTZ 50-70%
- FELD 30-90%

NO-BEDDING, CALCAREOUS CEMENT

ARKOSE

OC #41 - X F. GT TO M GT BLACK MICRITIC LIMESTONE, RECRYSTALIZED IN PLACES, AND CONTAINS FREQUENT CALCITE STRINGERS AND BLEBS, AS BEFORE. HIGHLY FRAGMENTED. BREAKS INTO PIECES ABOUT 3" SQUARE ON WEATHERING. ~~NO DEFINITE BEDDING.~~ LAYERING OBSERVED.

STRIKE 175°
DIP 70° E

ON THE EAST END OF THE OC IS A LARGE MASS OF HIGHLY FRACTURED BLACK CHERT WHICH HAS BEEN LEACHED WHITE AT THE

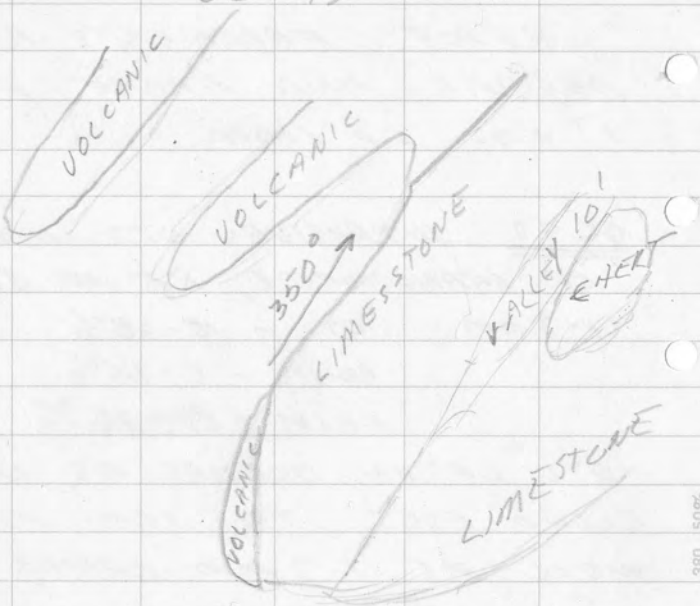

CHER
LIMESTONE.

SURFACE. FRAGMENTS ARE ANGULAR AND RANGE FROM 1+ cm TO 1mm.

QZ 42 INTRUSIVE QTZ DIORITE OR GRANODIORITE, F-M Gr. (1-3 mm.) QTZ - 15-25%
BIOTITE - 5-10%
FELDS - 65-75%
-QTZ OFTEN OCCURS AS LARGE ROUND EYES TO 1cm AS WELL AS 1-3 mm GRAINS.
-SOME OF THE FELDS SEEMS TO BE SUFFERING SAUSSERITIZATION.

OC # 43 / 4/ SAME LIMESTONE AS EXCEPT IT IS BLEACHED AND HIGHLY BRECCIATED INTO 1" FRAGMENTS WITH SILICA IN THE INTERFACES. IN SOME PLACES IT IS RECRYSTALLIZED TO 1-2 mm XYS, IN OTHERS IT IS STILL X.F. Gr. ITS FRESH SURFACE

OC #43 PLAN



JUNE 2/69

COLOUR IS NOW A LIGHT GREY. DF6941

OC #44 INTRUSIVE QTZ MONZONITE TO QTZ DIORITE SAME AS THAT IN OC #42 EXCEPT FELDS LATHS OCCUR AS 4 MM PHENOCRYST (DF 6942) UP TO 15% OF THE Rx

OC #45 CONTACT BETWEEN F.GT ALTERED MED GREEN GREY SLIGHTLY PORPHORITIC VOLCANIC WITH 2 MM FELDS PHENOS. AND A F-M GT. QTZ MONZONITE INTRUSIVE WITH 10-15% QTZ, 10% BIOTITE, AN 70-75% FELDS.

-CONTACT STRIKE : APPROX 040°
DIP : APPROX 30°SE

DF6943 DF6944
INTRUSIVE ON TOP OF VOLCANIC.

JUNE 3/69

OC #96 GREEN-GREY SHALE
AS BEFORE
STRIKE: 135°
DIP: VERTICLE.

OC #97 RELATIVELY UNALTERED GRANODIORITE, F.Gr 1-2 mm

QTZ - 10-15%
FELDS - 80%
BIOTITE 2-4%
MINOR Py

- QTZ OCCURS AS LARGE ROUNDED GRAINS UP TO 1CM AS WELL AS REGULAR SIZED GRAINS.

DF 6944

JUNE 2/69

OC #98 XF.Gr, RELATIVELY HARD (5), NON CALCAREOUS, BLACK TO DARK GREY HORNFELS.
DF6945

OC #99 SAME AS OC #97, GRANODIORITE TO QTZ-DIORITE.

OC #50 F.Gr, NON CALCAREOUS GREEN BLACK ROCK, PROBABLY A HORNFELS AS IT IS NEAR THE INTRUSIVE. A FEW CALCITE STRINGERS.
DF 6946

OC #51 LT GRAY, V.F.Gr, FRAGMENTAL LIMESTONE, POSSIBLY PARTIALLY DOLOMITIZED. THE OUTLINE OF THE FRAGMENTS IS DIFFUSE, SIZES RANGE FROM 1CM DOWN.
DF 6947

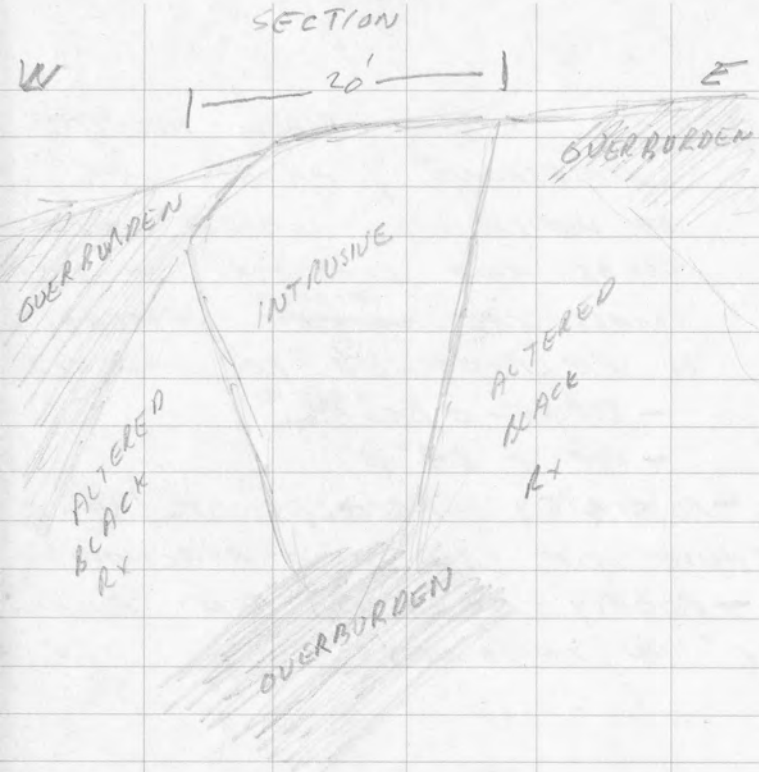
OC #52 X.F.Gr. BLACK MICRITIC LIMESTONE, ABOUT 90% OF WHICH IS WHITE CALCITE BLEBS AND STRINGERS. IN SOME LOCALS THE ~~SUGARY~~ MICRITIC MATERIAL IS RECRYSTALIZED TO 1MM Gr. SIZE

- STRIKE - 086°
- DIP - 54° N
- POSSIBLEY ARGILLACIOUS, BECAUSE OF LOW ACID REACTION.
- POORLY BEADED. BEDS AVERAGE 1" IN THICKNESS.

OC #53 CONTACT BETWEEN F.-MED Gr LT GREENISH GREY INTRUSIVE GRANODIORITE TO DIORITE AND A HIGHLY ALTERED, X.F.Gr BLACK ROCK ? (CARBONACEOUS).

INTRUSIVE - QTZ - 0
1M - 5MM - FELDS MINERALS 10-15%
- MAFICS 10%

MATRIX IS GREENISH GREY, HIGHLY


SECTION
W
20'
E
OVERBURDEN
OVERBURDEN
INTRUSIVE
ALTERED
BLACK
RX
ALTERED
BLACK
RX
OVERBURDEN

ALTERED, SO THAT xyls HARD TO DISTINGUISH
DF 6998

- ALTERED BLACK Rx HAS CALCITE VEINNG AND IS HIGHLY FRACTURED.
DF 6999

- JOINTING IN INTRUSIVE
  - STRIKE = 032
  - DIP = 30 NW

- OC 54 DARK GREEN V.F.G. ANDESITIC VOLCANIC., FAIRLY ROTTON, VERY RUSTY SURFACE
DF 6950

- OC 55 INTRUSIVE OF TYPE IN OC #53 CUTTING BETWEEN ALTERE CHERTY BLACK LIMESTONE AND A M.G. QTZITE SANDSTONE

W

E

SANDSTONE

DIORITE INTRUSIVE

BAKED LIMESTONE? CHERT?

DC #55

5.

SANDSTONE 1mm ROUNDED QTZ GRAINS, WITH A LIGHT GREY-WHITE COLOUR. FAIRLY MASSIVE
DF69-51

- ON EAST SIDE X.F.GR. IMPART CHERTY BLACK ROCK WITH WHITE XYL F.GR PURE LIMESTONE (6") LAYERS WITH FINE CHERTY OR SILICIOUS VEINS // BEDDING. WHOLE SERIES HIGHLY FRACTURE AND CONTORTED DF6952

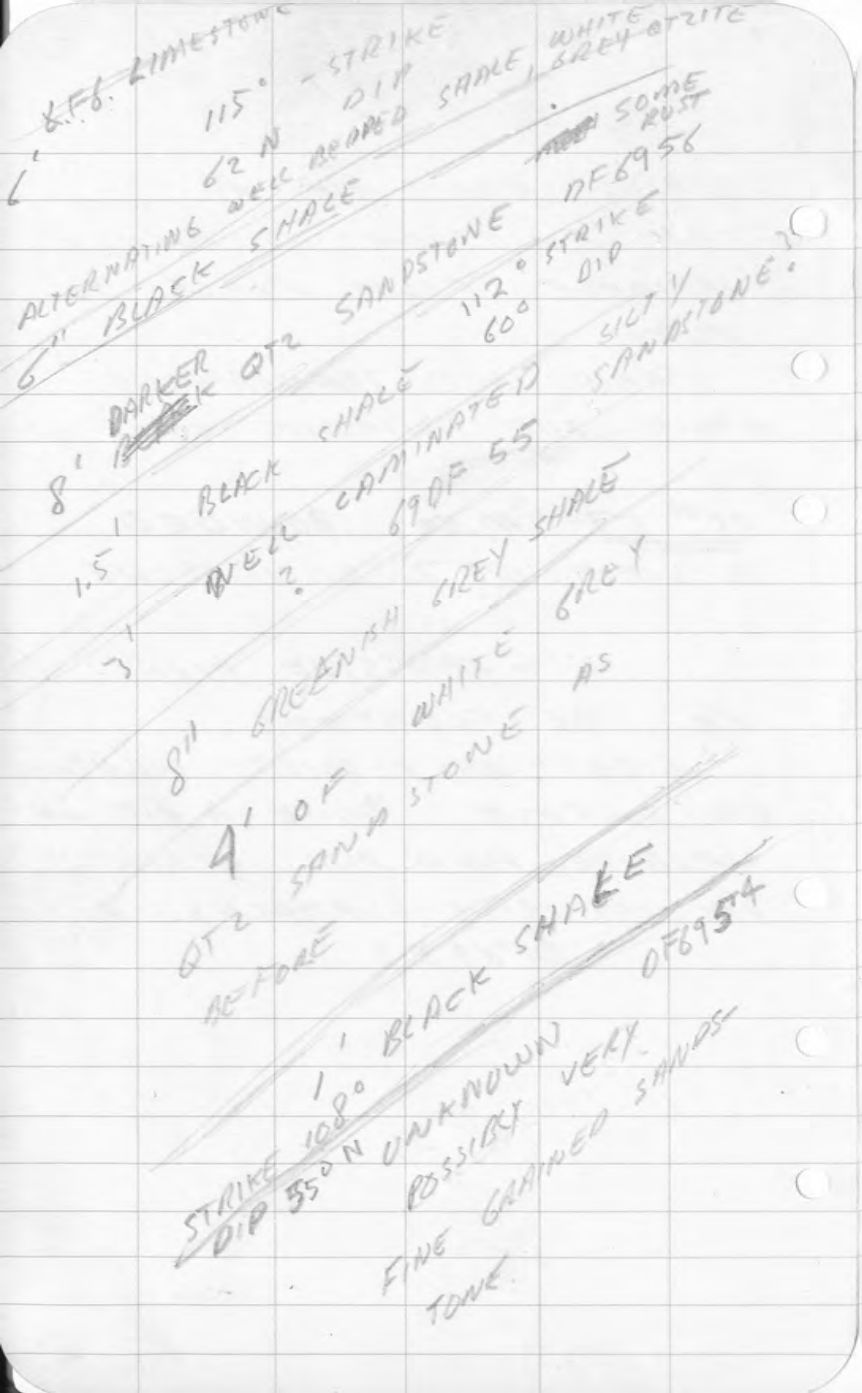
- CONTACT 029° VERTICAL WITH INTRUSIVE.

OC#56 RED-GREEN GREY X.F.GR, FRIABLE SHALE AS BEFORE
STRIKE: APPROX 310°
DIP: 1 IN PLACES
- TENDS TO BREAK IN 1" SCALES

STRIKE AND DIP OF THE FOLIATION IS HIGHLY VARIABLE FROM PLACE TO PLACE.
- SHALE RISES TOPOGRAPHICLY ABOVE THE INTRUSIVE OC.

OC#57 M.GR. ROUNDED 2-3mm QTZ SANDSTONE

- MASSIVE TIGHT RX, NO FOLIATIONS.
- LIGHT GREY-WHITE WEATHERED SURFACE. QUITE A BIT OF LIMONITE AND MN STAIN ON INTERIOR SURFACES.
DF6953



OC #58 : SEE OPPOSITE Pg

OC #59 : INTRUSIVE AS IN IN OC #53

OC #60 : MED. GR. LT. BROWNISH WHITE GREY QUARTZITE. COMPOSED OF 1-9 mm ROUNDED QTZ GRAINS

LT ROSTY BROWN SURFACE WEATHERING.

OF 6957

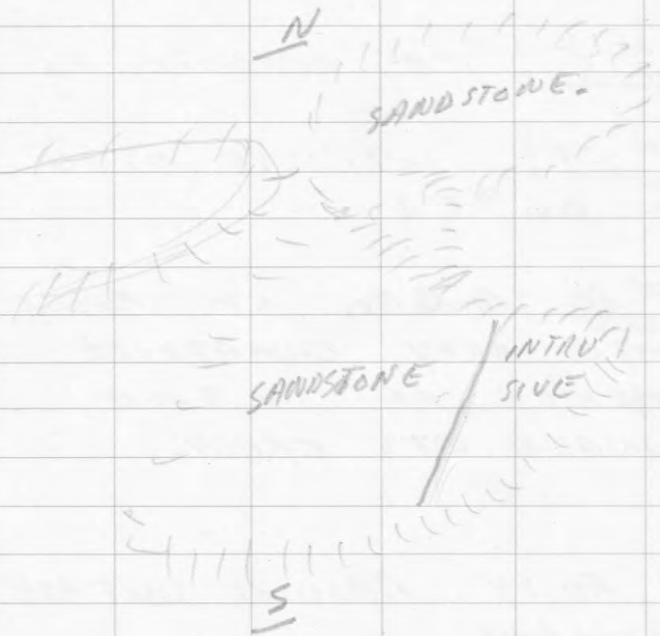
OC #61 : TOP OF MT.

MED. G. GR QTZ SANDSTONE

- QTZ FORMS 80 T% OF THE RK AS ROUNDED 1-9 MM GRAINS.

- LIMONITE GRAINS ARE COMMON IN PLACES, UP TO 5-10%

MT. TOP



PLAN

Rx HAS A WHITE GREY TO RUSTY-WHITE GREY COLOUR.

#- TO THE EAST IS AN INTRUSIVE LIKE THAT AT THE SHOWING. A LT. GREEN GREY F-M GR. QTZ DIORITE TO GRANO DIORITE.

5% QTZ
5% FELDS PHENOS. 3-4mm
15% BIOTITE

DF6959

#- JUST BELOW THE SUMMIT IS A C. GR. WHITE GREY HORNBLENDE GRANITE TO QTZ MONZITE.

10% 4 MM HORNBLENDE PHENOS
20% QTZ
5% BIOTITE
65% FELDSPAR.

- Gr. SIZE 4 - 6 mm

DF6960

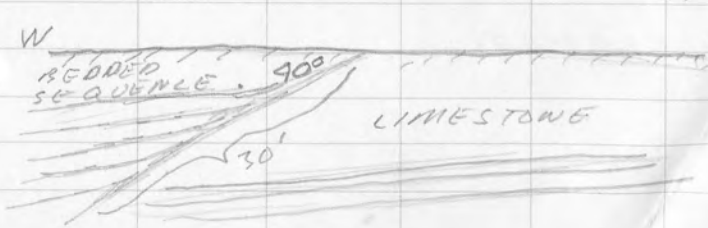
- THIS INTRUSIVE BEGINS ABOUT 100 - 200' FROM SUMMIT
- OC OF INTRUSIVE RUNS ABOUT 100' DOWN HILL
- 900' DOWN TO SANDSTONE OC AFTER LAST INTRUSIVE OC.

- APPROX STRIKE 330°

JUNE 9/69

OC #62 - POORLY BEDED, RECRYSTALIZED DARK GREY MICRITIC LIME STONE. Gr. SIZE IS 1 mm. (UP TO 20 FEET THICK)
STRIKE 105°
DIP 25°N

- ABOVE LIMESTONE ON THE WEST SIDE ARE A SEQUENCE OF WELL BEDED ALTERNATING CHERT, SHALE AND SANDSTONE LAYERS. AVERAGE LAYER IS ABOUT 6" = 1'
- THIS SEQUENCE IS TOPED WITH 1.5' OF F. GRAINED QTZ SANDSTONE, DARK GREY IN COLOUR WITH 5% SECONDARY BIOTITE DF6961
  - STRIKE OF LAYERING 90°
  - DIP 21°N



SECTION

100' DYKE OF INTROSIVE THE SAME AS THAT 3' DYKE CUTTING VOLCANICS CUTS EAST END OF THE VOLCANICS.

JUNE 4/69

OC #63 LARGE OC OF U.F6r DARK GREEN ANDESITIC VOLCANIC WITH A ~~FEW~~ WIDELY SCATTERED CALCITE AMYGDULES (1/2 TO 1 cm) AND ALSO VESICULES. 30' THICKNESS.

- DF6962

— CUTTING THE ANDESITE FLOW IS A 3' DYKE OF U.F6r., LT GREEN GREY INTRUSIVE Rx. MINOR 2 mm FELDS PHENOS. AND 1 2mm QTZ EYE. HARD TO DISTINGUISH INDIVIDUAL GRAINS. PROBABLY QTZ DIORITE COMPOSITION

DF6963

- STRIKE OF DYKE 080°
- DIP 78°N

- GREEN MAY INDICATE ERIDOTIZATION OF VOLCANIC.

OC #64 X. F6r., GREY-WHITE MASSIVE LIMESTONE. NO BEDDING OBSERVABLE. A FEW DARK POSSIBLY ARGILLACIOUS STRINGERS
-MINOR PY.
-DF6964

OC #65 X. F6r TO F6r LIMESTONE. COLOUR VARIES FROM GREY WHITE TO MED GREY. LT MATERIAL IS X.F. 6r AND HAS A FRAGMENTAL NATURE WITH 1" cm FRAMENTS SEPARATED BY DARK ½ BANDS.
-THE DARKER MATERIAL IS RECRYSTALIZED TO 1mm 6R. SIZE.

OC #66 RUSTY CRUMBLY HIGHLY ALTERED GREENISH (DARK) V. F6r Rx ? WITH WHITE ⅛" VEINS OF

A GREASY LUSTERED MINERAL, HARDNESS 4. BLACK ⅛" TO 1" CHERT NODULES (VERY ROUND) ARE COMMON. (SPHERICAL. DF6965

OC #67 V.F6r, DARK GREEN ANDESITIC VOLCANIC WITH ROUND NODULES OF BLACK HARD PROBABLY CHERTY MATERIAL TO 2 cm. A "FEW SCATTERED ⅛" CALCITE STRINGERS.
VOLCANIC ?

~~DF 69~~ DF6966.

~~FOR~~ OC #67 -IS HIGHER TOPOGRAPHICALLY THAN LIMESTONE.

JUNE 9/69

OC #68 EXTENSIVE AREA OF ACIDIC F.G. BIOTITE INTRUSIVE.

BIOTITE 5-10%
QTZ 10-15%
FELDS 75-80%
MINOR PY

GT. SIZE 1+mm
- SOME OF THE QTZ OCCURS AS UP TO 1CM ROUNDED BLEBS.
- A GOOD SIZE XENOLITH OF WHITE-GREY QTZITE AS ON TOP OF HILL TO NW WAS FOUND IN THE INTRUSIVE
- PROBABLY GRANITE TO GRANODIORITE.

DF69 67

OC #69 - OC OF GREEN-GREY XF.G. SHALE., LESS FRIABLE THAN THOSE OF EARLYIER OCS. COLOUR TURNS TO RED AS WE GO NORTH ON THE OC.

135° L

100° 65° N.

100° 28° N.

* BLACK ARGILLACEOUS MATTERIAL IS CARBONACEOUS IN PLACES.

JUNE 4/69

OCT 70 SECTION ON STEEP HILL

- BOTTOM IS MODERATELY LAMINATED PURPLE-BLACK X.F6. ARGILLACIOUS Xx WITH 2 CM BANDS OF GREENISH MATTERIAL. 6' SECTION. OF6968.
- ABOVE THIS 50' OF BLACK TO LT GREEN WELL LAMINATED SHALE IN SOME SPOTS CLOSELY RESEMBLES A PHYLITE STRIKE 100°, DIP 28°N
- CONTACT (100° 65°N) ABOUT 100' UP FROM THE BASE OF THE LINEAMENT TO A WHITE-GREY, V.F6+ QTZ SANDSTONE WITH SOME CALCITE BINDER. SURFACE COLOUR IS A RUSTY LT BROWN. MINOR PY.
  -FAINT LAMINATIONS OBSERVED AT 135°, ⊥.
  -GRAINS SUBROUNDED (OF6970)

(OF6968 a b)


008°
118°
SHALE
INTRUSIVE
20
150'
INTRUSIVE
SHALE
N
STREAM BED
SHALE

JUNE 4/69

OC # 71 CONTACT RUNNING 008° BETWEEN INTRUSIVE AS IN 68 AND A SEQUENCE OF FINELY BEDDED CHERT (BLACK) ALTERNATING WITH 3" BANDS OF WHITE-GREY LIMESTONE, V.F.Gr. AS IN OC # 64
CHERT LAYERS ARE ABOUT ½" THICK
- OVERLYING THE 2' OF LIMESTONE IS 6' OF ARGILACIOUS X.F.Gr SHALY MATTERIAL, DARK GREY TO BLACK IN COLOUR.

WEST SIDE

- ON EAST SIDE OF THE INTRUSIVE IS A FINELY LAMINATED BLACK, X.F.Gr ARGILLACIOUS MATTERIAL. PROBABLY A BAKED SHALE

STRIKE 080°
DIP 40 N

- HIGHLY FRACTURED RX WITH BLACK RT ANGLED FRACTURE FILLINGS. POSSIBLY A BAKED SHALE.

OF6971

BECOMES LESS FRACTURED FURTHUR DOWN FROM THE INTRUSIVE. TAKES ON A Mn STAIN BLACK COLOUR.

- FURTHUR DOWN (150') CONTACT (IRREGULAR) BETWEEN PURPLE VERY FRIABLE SHALE AND C. Gr. INTRUSIVE WHICH IS QUITE ALTERED. LOOKS LIKE THERE IS UP TO 20+ % K FELDSPAR PINK (OF6972.)

OC # 72 OC OF GRANODIORITE TO QTZ DIORITE INTRUSIVE. ALTERED SUCH THAT FELDS ARE SAUSSERITIZED, QUITE A BIT OF RUSTY COLOURATION. GRAINS INDISTINCT
- 5-10% BIOTITE
- 10-15% QTZ

JUNE 7/69

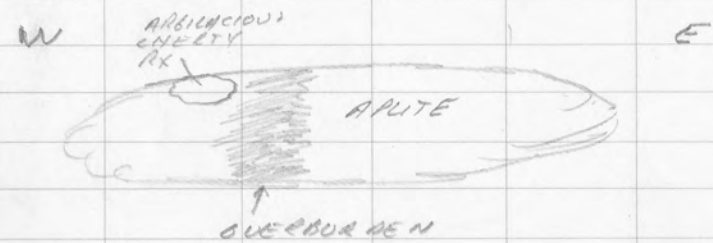
SURFACE COLOUR IS LT RUSTY WHITE COLOUR.

F. GRAINED

(DF6973)

OC 73.
DF6974

PLAN OC #74



JUNE 6/69

OC #73 : FRIABLE X.F. 6r GREEN BLACK SHALE. WEATHERED SURFACE IS DARK RUSTY GREY

OC #74 CONTACT BETWEEN F.6r PINK WHITE SUGARY APLITE (DIKE?) ROCK WITH 2-3m SCATTERED QTZ EYES AND MINOR MICA / TO A CHERTY ROCK. (DF6975)

- THE CHERTY RX CONTAINS MED GREY CHERT AND ARGILLACIOUS LAYERS. FAINT BANDING 1CM WIDE (DF6976)

- CONTACT RUNS APPROX 016°

- MUCH OF THIS CHERTY ROCK IS RUSTED, WITH MUCH LIMONITE AND SOME MN STAIN.

JUNE 6/69

OC #75 FRIABLE SHALEY ARGILLACEOUS RX WITH LOCALIZED CHERT CONCENTRATIONS. RX IS BLACK AND X F6r. AND SHOWS QUITE A BIT OF LIMONITE STAIN. ON INTERIOR CRACKS. (DF6977) THE CHERT OCCURS AS RIBBONS (IRREGULAR) PODS ETC // TO FOLIATION IN MOST CASES

OC #76 OC OF QTZ DIORITE

- MED GREEN-GREY ROCK WITH SALT AND PEPPER APPEARANCE. THE RX F-M GRAINED (GRAIN SIZE 1-2mm)

QTZ - 10%
FELDS - 50%
MAFICS - 40% ? SOME BIOTITE.
MINOR - PYRITE

(DF6978)

JUNE 6/69

IN PLACES IT IS ARTERED SUCH THAT GRAINS ARE HARD TO DISTINGUISH. IT SEEMS IF THE MAFICS ARE BEING CHLORITIZED. ALSO SOME GREEN STAIN ON THE FELDSPARS. UNDER HILL
-TOPOGRAPHICALLY IT LOOKS AS IF IT MAY BE ASH

OC #77 U.F6 DARK GREY TO BLACK CHERTY ARGILLACIOUS ROCK. FINELY LAMINATED, BUT ONLY FRIABLE IN SPOTS. IN SOME PLACES IT HAS A HARDNESS OF 4-5 IN OTHERS A HARDNESS OF 7.

SOMETIMES CHERT IS VISIBLE AS PURPLISH GREY COMPARED TO BLACK GREY RX. THESE ARE IN THE FORM OF PODS OR LENSES. IN OTHER PLACES THOUGH THE CHERTY AREAS CAN NOT BE DISTINGUISHED FROM THE ARGILLACIOUS ONES EXCEPT BY HARDNESS

STRIKE 098° (AF69.79)
DIP 90° S


ALTERED
LIMESTONE
SILICIOUS
MATTERIAL

JUNE 6/69

OC #78 STRIKE 104°
69° S.

OC # OF LT GREY WHITE PARTIALLY SILICIFIED LIMESTONE. FIZZES WELL BUT IS MUCH TO HARD IN MOST PLACES TO BE A LIMESTONE. GT SIZE VARIES FROM X.F 6T TO F 6T.

-THIS LIMESTONE IS BROKEN INTO LARGE FRAGMENTS ELONGATED N TO THE FOLIATION WITH RIBBONS OF SILICIOUS MATERIAL SEPARATING AND CUTTING THESE FRAGMENTS.

-GIVES A LENSE LIKE APPEARANCE.

-IN ADDITION LENSE LIKE FRAGMENTS OF CHERT ARGILLACIOUS AX AS BEFORE ARE COMMON.

(DF6986)


WHITE
PURE
CHERT
LT RUSTY
BROWN CHERT
WITH LIMONITE

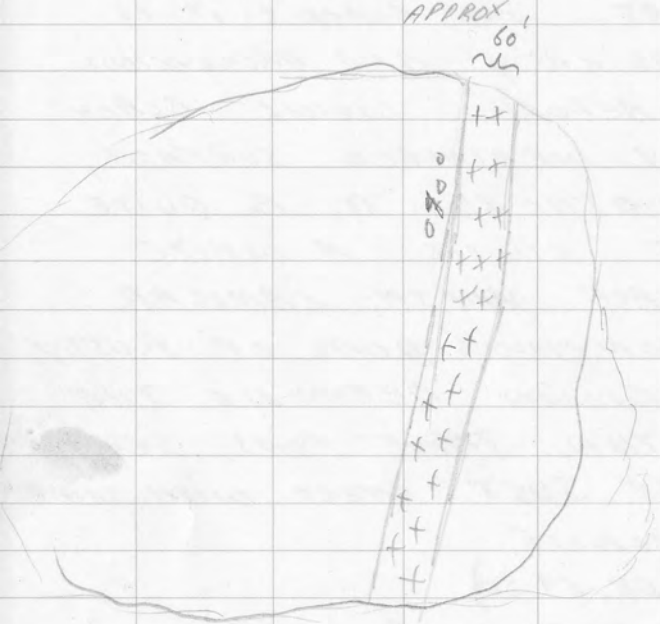
JUNE 6/69

OC #79 FINELY BEDDED, FRAGMENTAL LT-M GREY CHERT IN PLACES IT IS DARK GREY AND ARGILLACIOUS AS BEFORE GIVING BLACK RUSTY WEATHERED SURFACE, IN OTHERS IT IS QUITE PORE GIVING A WHITE SURFACE WITH LAMICAR DISCONTINOUS PODS OF RUSTY LT BROWN DEFINING THE FOLIATION. THESE PODS SEEM TO BE JUST CHERT WITH SOME LIMONITE

(DE. 69 80)
STRIKE 104°
DIP 64° N.

OC #80 OC OF X. FGR. PURPLISH BLACK CHERTY ARGILLACIOUS ROCK WHICH IS NOT FRIABLE X. RUSTY IN PLACES. MUCH THE SAME AS OC #77.

PLAN 82 oc #



JUNE 6/69

OC #81 DARK GREENISH BLACK V. F6. ARGILLACIOUS RX, NOT FRIABLE ENOUGH TO CALL A SHALE, POSSIBLE SUB-ARGILLITE. NO CALCAREOUS NO CHERT FOUND.
- MUCH MN STAIN, ONLY MINOR LIMONITE STAIN

OC #82 OC' OF PURPLE BLACK TO MED. GREY ARGILLACIOUS CHERT RX. CAN SCRATCH IT IN PLACES, IN OTHE PLACES YOU CAN'T. MAJORITY OF THE RX IS PURPLE-CHERT WITH IRREGULAR STRINGERS OF THE LTER CHERTY MATERIAL. GR. SIZE IS VERY F GR. TO X. F GR.
THE LIGHTER GREY MATTERIAL, (ALWAYS X. F GR) ALSO OCCURS AS BLEBS. OF6981
↳ CONTAINS MINOR PYRITE
- CUTTING THE RX IS A

#NOTE OC #83 SHALE
IS NOT AS FRIABLE AS
MOST SHALES AROUND
CROWING.

JUNE 6/69

60-70' WIDE DYKE OF F.GR. LIGHT PINKISH WHITE APLITE ROCK WITH 1-2 MM QTZ EYES FORMING TO 9% OF THE RX. THE ROCK HAS MUCH LIMONITE STAIN ON ITS FRACTURES.

THIS DIKE STRIKES APPROX 040°

(DF69 82)

- 2 MM RUST SPECKS ARE WIDELY SCATTERED THROUGHOUT THE RX (<2%), PROBABLY WEATHERED OUT PY.

- LIKE ALL APLITES, CHARACTERIZED BY A SUGARY TEXTURE.

OC #83 OC OF CT PURPLE X.F.GR FRIABLE SHALE, LIKE THAT AT THE SHOWING. INTERIOR COLOUR IS DARK PURPLE GREY. IN PLACES IT IS HIGHLY ROSTED.

STRIKE VARIABLE, DIP 50° SW


W
E
OVERBURDEN
OIL VIEN
OVERBURDEN
ROSTY
SHALE

JUNE 6/69

OC #84 6' EXTENSIVE MASSIVE BARREN WHITE QTZ VEIN RUNNING UP ONTO THE SHALE
- STRIKE 096°
- DIP 30° NW.
(DF 69 83)

OC #85 OC OF SEMI FRIABLE LIGHT PINKISH GREY SHALEY RX. STRIKE OF THE FOLIATION AVERAGES 118°, AND DIP IS ABOUT 90°

- A 20' RAVINE SEPARATES OC #85 FROM OC #86

QC #86 X. FGT ARGILLACIOUS BLACK TO DARK PURPLISH GREY CHERT ROCK. ON WEATHERED SURFACE, THE ROCK HAS A SHEARED APPEARANCE SIMILAR TO OC #79 EXCEPT THAT THE

FOLIATION IS MUCH MORE IRREGULAR AN SIZEABLE (6") BLOCKS APPEAR OFTEN ROTATED BETWEEN LAMINATIONS

- THIS IS DEVELOPED TO SUCH AN EXTENT THAT THE RX HAS A BLOCKY APPEARANCE.

TREND OF THE LAMINATIONS IS GENERALLY 120°

(DF69 84)

-MANY SWIRLS ETC. IN THE LAMINATIONS.

-NEAR THE BOTTOM OF THE CLIFF MORE ARGILLACOUS CHARACTER IS APPARENT IN SPOTS.

- THIS ROCK (WHOLE OC) APPROACHES A GOSSAN IN COLOUR IN PLACES.

OC #87

FIRST / FEET ARE IA F.G. / APHY / PURPLISH GREY MASSIVE CRYSTALLINE ROCK WITH TO PC MAGNETITE

OC #87 AGAIN AS IN OC #96 PURPLE-GREY TO BLACK LAMINATED ARGILLACEOUS CHERT ROCK. IN PLACES HARDNESS IS 7 IN OTHERS 9-5.

-CUTTING OC #87 IS A DYKE STRIKE 30° DIP 87° SE, OF WIDTH 10' COMPOSED OF AN ALTERED V.F.G. DARK PURPLISH GREY MASSIVE XYLINE RX WITH MINOR MAGNETITE AND PYRITE AS MINUTE CUBIC GRAINS. WEATHERING SURFACE SHOWS 1-2 MM ALTERED FELDS PHENOS UP TO 9-5%

-SURFACE COLOUR IS CT RUSTY BROWN.

HIGHLY JOINTED 11 TO CONTACTS.

(DF69 85)

JUNE 6/69

OC #88 DOWN TOP OF RIDGE. PURPLE LT GREY TO BLACK V.F.G. CHERT, MUCH LESS TO NO ARGILACIOUS CHARACTER. IRREGULAR AND SWIRLY LAMINATIONS STILL PRESENT.

- WEATHERED SURFACE VARIES FROM WHITE TO GOSSAN. BESIDES SOME MINOR PYRITE, NO APPARENT MINERALIZATION.

DF6986.

OC #89 ALTERNATING BANDS OF LT PURPLE GREY CHERT V.F.G. PURPLE BLACK ARGILLACIOUS Rx AND MIXTURES OF THE TWO. DISTINCT UNITS AVERAGE ABOUT 9' IN WIDTH. GENERAL TREND IS 110° DIP OF FOLIATIONS IN SHALES, AND SHALEY CHERT VARY FROM 40°S TO VERTICAL.

JUNE 6/69

OC 90 HIGHLY FRIABLE DARK BROWNISH GREY SHALE. FOLIATION IN SHALE RUNS 118°. 70°S.

JUNE 7/1967

OC #91 - SMALL OC OF X.F.Gr GREEN SHALE, MODERATELY FRIABLE.

OC #92 - AS ABOVE WITH A FEW CHERT ELONGATED NODULES.

OC #93 - F.-MED GRAINED LT. GREY WHITE QTZ SANDSTONE WITH NON-CALCAREOUS BINDER. ROUNDED QTZ GRAINS (.1mm - 1mm) COMPOSE 90% OF THE Rx. WHEN WEATHERED, INTERIOR SURFACES TAKE ON A LT RUSTY APPEARANCE. SMALL OC.
DF69 87

OC #94 OC OF DARK RUSTY SURFACED Rx. A BLACK TO PURPLE BLACK X.F.Gr ARGILLACEOUS CHERTY Rx IN SOMES DEFINITE BLACK IN OTHERS BLACK SHALE, COMPLETE IRREGULAR VARIATION. LAMINATED WITH SHALEY PARTING IN PLACES
STRIKE 107° DIP 30 S.
DE69 88

JUNE 7/69

OC #95 VARIES FROM A LT-MED GREY SILICICOUS LIMESTONE WITH LT GREY 1/8" CHERT BANDS, TO A BLACK CHERTY ROCK TO AN ARGILLACIOUS BLACK SHALE WITH CHERT ELONGATED NODULES.
- BOTTOM OF OC MOST LIKE A SHALE, TOP IS NEARLY PURE CHERT
- WELL LAMINATED EITHER

- STRIKE: 124°
- DIP : 84° S

AS SHALEY PARTING OR AS WELL LAMINATED CHERTY CALCAREOUS ROCK

(DF69 89.)

JUNE 7/69

OC #96 - BLACK X.F.Gr. SOFT ARGILLITE WITH REMENAT SHALE PARTINGS AT THE BOTTOM TO 3/4 OF THE WAY UP THE HILL. (DF6990)

-ON TOP IS A MED-PINK GREY TO BLACK CHERT. BLACK ROCK IS BANDED BY PINK LAMINATIONS. WEATHERED SURFACE VARIES FROM RUSTY GOSSAN TO TO WHITE-GREY. PROBABLY ARGILLACEOUS

- HILL IS 150 IN HIGH FROM FIRST ARGILLITE OC AT BASE.

OC #97 X F.Gr BLACK SHALEY TO ARGILLITE ROCK - QUITE FRIABLE

- STRIKE - 150° } FOLIATED
- DIP - 65° SW } PARTING.

OC #98 - LARGE OC AREA OF MED-GREY TO BLACK X.F.Gr ARGILLACEOUS CHERT ROCK. THIS ROCK IS CUT

JUNE 7/69

BY A 70' INTRUSIVE DYKE STRIKING APPROX: 020°

- INTRUSIVE IS A FINE GRAINED QTZ MONZONITE TO A GRANODIORITE

- 10+% QTZ
- 5% BIOTITE
- MINOR PYRITE - 1%
- REST FELDS.

A FEW (TO 5%) 3MM FELDS PHENOCRYSTS.

-ON WEATHERED CRACKS RX IS QUITE RUSTY (DF6991a)

OC #99 - BASAL 4' OF F.-MED GRAINED, GREY WHITE YUKON GROUP QTZ SANDSTONE. 2MM BLUE QTZ GRAINS BIGGER THAN REST OF THE GRAINS. (5-10%)

JUNE 7/69

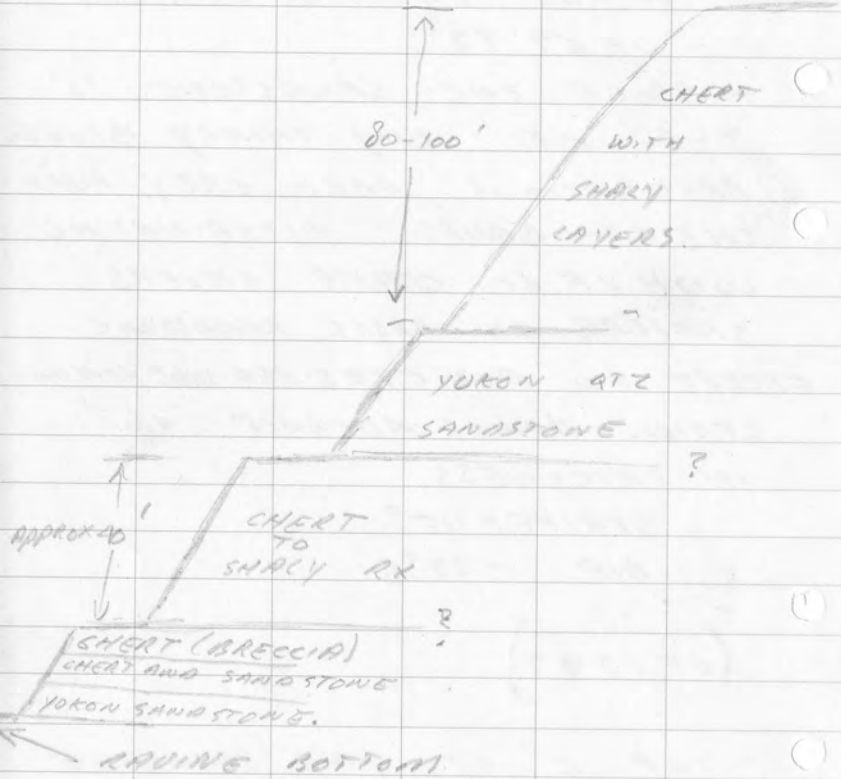
- 90+% QTZ ROUNDED GRAINS.
- MINOR CALCITE CEMENT
- DF69 92
- ABOVE THE SANDSTONE IS 3-4' OF VERY THINLY BEDDED ARGILLACIOUS DARK GREY-BLACK CHERT BANDS ALTERNATING WITH V.F.GR. QTZITE LAYERS SIMILAR TO BASAL SANDSTONE EXCEPT NO QTZ EYES AND SOME LIMONITE STAIN. BANDS AVERAGE 1/8" IN THICKNESS.

STRIKE - 115°
DIP - 22°S

(DF6993)

- TOP 6' OF THE SEQUENCE IS A BRECCIATED AND SWIRLED CHERT FRAGMENTS IN CHERT MATRIX RX. CHERT VARIES FROM WHITE GREY IN FRAGMENTS TO MED GREY IN MATRIX

(DF6994)

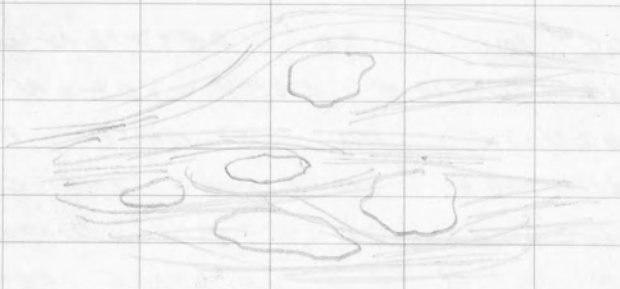

80-100'
CHERT
WITH
SHALY
LAYERS.
YUKON QTZ
SANDSTONE
?
APPROX 40'
CHERT
TO
SHALY RX
?
CHERT (BRECCIA)
CHERT AND SANDSTONE
YUKON SANDSTONE.
RAVINE BOTTOM

JUNE 7/69

OC #100 - 30-90' OF VARIATION BETWEEN MED GREY TO BLACK CHERT TO CHERTY SHALE, MANY CONTORTED BANDINGS AND CENSINGS AS IN A FEW OF THE OC OF JUNE 6/69 BANDINGS QUITE CONTORTED IN CHERTS. TYPICAL ARGILLACEOUS CHERTY Rx SEQUENCE.

OC #101 30' SECTION WHICH IS WHITE GREY YUKON QTZITE AS AT BASE. F-MED GRAINED. IN PLACES THE GR SIZE GOES UP TO 9MM, WITH A 10-15% LIMONITE CEMENT-MATRIX.

OC #102 80 TO 100' TO THE TOP OF THE MT COMPOSED OF BLACK-PURPLE BLACK TO LT GREY X.F.G CHERT. CONTAINS SHALY HORIZONS OF BLACK X.F.G SHALE.



- NEAR ITS BASE ARE SEVERAL LARGE BLOCKS OF YUKON QTZITE BROKEN FROM THE LAYER BELOW.
- CHERT CONTAINS FREQUENT STRINGERS AND BLOBS OF QTZ USUALLY SMALLER THAN ½"
- MUCH DISSEMINATED LESS THAN 1 MM PO GRAINS. IN PLACES OC IS A RUSTY GOSSAN, IN OTHERS A WHITE ROCK. (PROBABLY FOLLOWES PO. CONC.)
- THE CHERT IS FINELY LAMINATED WITH FEW INCH CENSOID FRAGMENTS BETWEEN THE LAMINATIONS. IN PLACES THE LAMINATIONS ARE HIGHLY CONTORTED. ? PRECON-TEMPORANEOUSLY FOLDED?

- CUTTING THE CHERTY OC ON TOP OF THE MT IS A 70' DYKE STRIKEING 030°. THE INTRUSIVE IS A

JUNE 7/69

(2) FINE GRAINED LT BROWNISH GREY BIOTITE QTZ MONZONITE TO GRANODIORITE WITH

- 10% BIOTITE
- 10-15% QTZ
- REST FELDS.
- MINOR PYRITE

OF6895

- SEEMS TO HAVE A STEEP DIP
- STRIKE OF LAMINATIONS IN CHERT ARE APPROX 136° JUST EAST OF CONTACT AND ⊥ ? BEDDING.

- WHOLE TOP OF THE MT IS THIS F.G. CHERT Rx IN PLACES APPEARING FRAGMENTAL OFTEN VERY RUSTY. LESS TO NO ARGILLACEOUS CHARACTER ON TOP.

JUNE 7/69

OC #103 FRIABLE BLACK SHALE, VERY SMALL OC. MAY BE A SHALY ZONE OF THE CHERT

OC #104 TO BOTTOM OF THE HILL AREA OF OC OF ARGILLACEOUS BLACK TO LT GREY CHERT. APPEARS SLIGHTLY FRAGMENTAL, AND GOES TO CHERTY SHALE IN PLACES. - OFTEN GIVES GOSSAN OUTCROPS SHALE VARIES FROM LIGHT GREEN TO BLACK, REASONABLY FRIABLE.

OC #105 OC OF POORLY FRIABLE HIGHLY RUSTY BLACK X.F6r. SHALE TO ARGILLITE. PROBABLY BAKE. NO BEDDING OBSERVABLE

- CUTTING THIS OC IS AN INTRUSIVE ALTERED DYKE STRIKING 036°, DIPPING 45° SE

JUNE 7/69

- THE DYKE IS F.6r, AND A DARK GREY IN COLOUR. THE GRAINS ARE INDISTINCT AND HAZY. THE INTRUSIVE IS PROBABLY INTERMEDIATE IN COMPOSITION

(DF6796)

OC #106 OC OF GREY-WHITE GRANO DIORITE INTRUSIVE. A F-MED GRAINED FAIRLY FRESH Rx.

- BIOTITE 5+%
- QTZ 5+%
- FELDS REST
- MINOR PY.

(DF6797)

NO DEFINITE CONTACTS.

JUNE 7/69

OC #107 (MED) OC OF GREY-GREY FRIABLE SOFT SHALE AS AT SHOWING. STRIKE OF THE FOLIATION IS 118° DIP: APPROX VERTICAL STRIKE VARIES AS MUCH AS 20°.

OC #108 OC OF F.GR. (1 MM) QTZOSE SANDSTONE
- COLOUR WHITE GREY
- 90+% QTZ AS ROUNDED GRAINS, NO APPARENT CALCITE IN BINDER.
- THICKLY BUT POORLY BEDDED (1-2' THICK)
  - STRIKE - 091°
  - DIP - 72°N
  - (OF6998)
- THE OC IS CUT BY A DARK GREEN-GREY F.GR (1MM) GABBROIC INTRUSIVE RX.
  - 45% MAFICS - PYROXENE?
  - 55% FELDS
  - GRAINS OR XYLS OBSCURED.

JUNE 7/69

GRAINS SLIGHTLY ALTERED, BUT WEATHERED SURFACE BRINGS OUT TEXTURE (OF6999)
- STRIKE OF CONTACT 150-49°, APPROX ON W. 020° ON EAST
- WIDTH IS 15' APPROX

JUNE 8/69

OC#109 DARK GREY TO BLACK X.F.Gr. CHERT. FAIRLY WELL BEDDED AN AVERAGE OF 1" THICK BEDS. ROCK HIGHLY RUSTED HARD TO GET A FRESH SAMPLE. PROBABLY SLIGHTLY ARGILLACIOUS.

STRIKE : 096°
DIP : 35° N

10' SECTION

- ABOVE CHERT (20') THERE IS A 1-2' SECTION OF SILICIOUS CALCAREOUS PROBABLY ALTERED MICRITIC LIMESTONE. XFGr TO F.Gr. HAS CALCAREOUS STRINGERS ¼ TO ⅜" OUT ROCK FREQUENTLY
- BEDS ARE 6" WITH ½" SHALEY PARTINGS.
- ROCK COLOUR IS A MEDIUM GREY.

(DF69100)

JUNE 8/69

ABOVE LIMY Rx IS AN 8' SECTION OF VERY WELL BEDDED CHERT. CHERT LT-MED GREENISH GREY WITH A WHITE-GREY WEATHERING SURFACE. THE ROCK IS X.FGr.

- STRIKE : 102°
- DIP : 59°

BEDDING IS REGULAR AND AVERAGES 2-3", MANY FINE LAMINATIONS IN EACH BED II TO THE BEDDING 1/16" THICK IN PLACES.

OC#110 OC ON TOP OF THE HILL A, LT GREEN-GREY FRAGMENTAL ARGILLACIOUS CHERTY Rx WITH CALCITE ¼ STRINGERS RUNNING NEC THROUGH IT. ROCK MATERIAL IS V.FGr TO FINE GRAINED BUT FRAGMENTS ARE UP TO 1" IN SIZE. ?

DF69 101

JUNE 8/69

OC# 111 OC# OF ARGILLACEOUS CHERTY, X.F.6ℓ, BLACK TO DARK GREY FRAGMENTAL ROCK. HIGHLY RUSTED IN PLACES. DUE TO $\frac{1}{16}$" PY VIENS. IN PLACES BEDDING CAN BE EASILY SEEN IN OTHER PLACES ROCK IS SO RUSTED AND BROKEN, ONE CAN'T TELL.

STRIKE - 107°
DIP - 72° N

DF69 102.

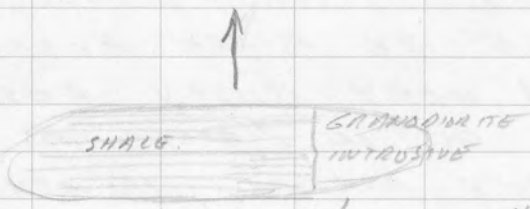
OC# 112 : PARTIALLY SILICIOUS (CHERTY.) DARK-GREY - BLACK X.F6ℓ TO V.F.6ℓ (IN PLACES) ARGILLITE. FAIRLY MASSIVE LITTLE PARTING. DISSEMINATED MINOR PYRITE GRAINS ARE COMMON.
(DF69103.)

JUNE 8/69

OC# 113 - PURPLE - BLACK X.F.6ℓ CHERT WITH MINOR PYRITE FINE PURPLE WEBBING JUST VISIBLE PROBABLY INDICATES FORMER FRAGMENTAL NATURE 2-5 MM FRAGMENTS.
DF69 104

- AT TOP OF THE HILL WE HAVE AN ARGILLACEOUS CHERTY X.F.6ℓ - V.F.6ℓ, DARK PURPLE TO BLACK ROCK.
- GIVES VERY RUSTY GOSSAN LIKE OC. IN PLACES HAS A SHALEY PARTING, IN OTHERS IT IS A MASSIVE CHERT.
- A FEW CALCITE BANDS.
- MINOR DISSEMINATED PY.
DF69 105

OC # 115



SEE OC # 121
FOR DISCRIPTION.

JUNE 8/69

OC # 114 - CHERT - ARGILLITE
DARK GREY X.F6r TO
V.F6r. MASSIVE ROCK

(DF69106)

- WEATHERING SURFACE IS
A LT WHITE GREY

OC # 115
DARK 6[illegible], V.F6r SEMI
FRIABLE SLATE. SEEMS
TO BE SLIGHTLY RECRYSTALIZED
- WEATHERED SURFACE IS A
DARK PURPLE.
- A FEW 1/8" TO 1/4" CHERTY
DISCONTINUOUS STRINGERS PARALLEL
TO THE SHALY PARTING.
- PARTING STRIKES AN AVERAGE
OF 133° VARIABLE DIP.
(DF69107)

OC # 16.

JUNE 8 69

OC # 116

- CONTACT BETWEEN A FRIABLE BLACK SHALE AS BELOW AND AN ALTERED GRANODIORITE TO DIORITE CONTACT RUNS ST NORTH
- MINOR PY.
- NO QTZ.
- 5% BIOTITE
- REST OF GRAINS ALTERED.

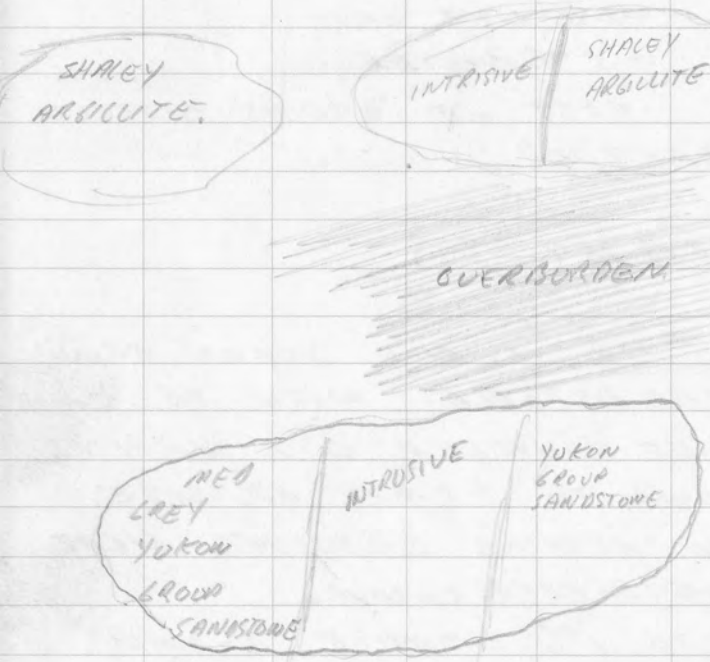
OF69 108

OF69 109. ?

OC # 117 C. 60 YUKON GROUP SANDSTONE WITH TO 5MM BLUE ROUNDED QTZ GRAINS. DOWN TO <1 MM GR. SIZE. NO BEDDING OBSERVED. LIGHT WHITE-GREY COLOUR.
- TO 1% LIMONITE 2-3MM GRAINS.

(OF69 116)

80- 100' THICK


SHALEY
ARGILLITE.
INTRISIVE
SHALEY
ARGILLITE
OVERBURDEN
INTRUSIVE
YUKON
GROUP
SANDSTONE
INTRUSIVE
YUKON
GROUP
SANDSTONE

JUNE 8 69

OC# 118 DARK GREY VARIETY OF YUKON GROUP SANDSTONE (CARBONACIOUS ?) (DF69 111)

- CONTACT TO A 30'-90' INTRUSIVE STRIKING VERY APPROXIMATELY 10 - 30°.

- LT GREENISH GREY COLOUR F.G.T. GRANODIORITE

< 5% QTZ

< 20-30° MAFICS BIOTITE AND HORN BLENDE

REST FELDSPAR

(DF69 112)

ABOVE THIS INTRUSIVE CUTS AN X FG TO V FG. FRIABLE BAKED DARK GREY TO BLACK SHALEY ARGILLITE - 80' IN THIS SECTION (DF69113)

B
C
B
100
B
A
N

JUNE 8/69

OC # 119 A - LT BROWNISH GREY, V.F.GT, ARGILLACEOUS-FRIABLE SILTSTONE

STRIKE	: 170°	176°
DIP	: 34°E	79°E

BEDDING IS 1/8" THICK (OF69 114)

THIS Rx TYPE VARIES TO A DARK FAIRLY MASSIVE ARGILLITE IN PLACES.
-IN PLACES MUCH RUST GOSSAN STAIN

A F.GT. LT WT GREY YUKON GROUP SANDSTONE 1-2 MM GR. SIZE, 90+% ROUNDED QTZ AS SEEN BELOW. (OF69 115)

C A 20-30' WIDE BAND OF XF GT. WHITE GREY Rx WITH 5%-3 MM QTZ


MINERALIZED SILICIFIED LENSE
MINERALIZED SILICIFIED LENSE
CHERT STRINGERS
WITH QTZ

JUNE 8/69

PHENOCRYSTS. ? FELSITE INTRUSIVE
(DF69 116.)
STRIKE APPROXIMATE 60°.

OC #120 - STRIKE: 133°
- DIP : 79° N - 54° N.

- LAMINATED X.FGR BLACK ARGILLACEOUS CHERT WITH QTZ LENSES AND STRINGERS PARALLEL TO THE LAMINATIONS QTZ LENSES TO 1" IN SIZE.
- UP TO 20-30% SULPHIDES IN WHITE GREY SILICIFIED LENSES ELONGATED // TO FOLIATION OF Rx.
- FOLIATION IS MILDLY CONTORTED.
DF69 117.

R_x VARIES TO A LT GREEN-GREY CHERT FURTHER W.

JUNE 8/69

OC #121 OC OF LT GREEN GREY MONZONITE - GRANODIORITE. F-M GR 1-2 mm
- BIOTITE 10% ALTERED
- QTZ < 5%
- MINOR Pf
- MUCH THE SAME AS THE INTRUSIVE ON THE MT.
- CONTACT STRIKES APPROX 38°
DYKES 30-90' WIDE.
(DF69 118)

OC #122 FRAGMENTAL, MED-GREEN-GREY ARGILLACEOUS CHERT ROCK. FRAGMENTS ¼" TO SEVERAL INCHES. SOME SHALY LAYERS. VERY RUSTY GOSSAN TYPE OC.

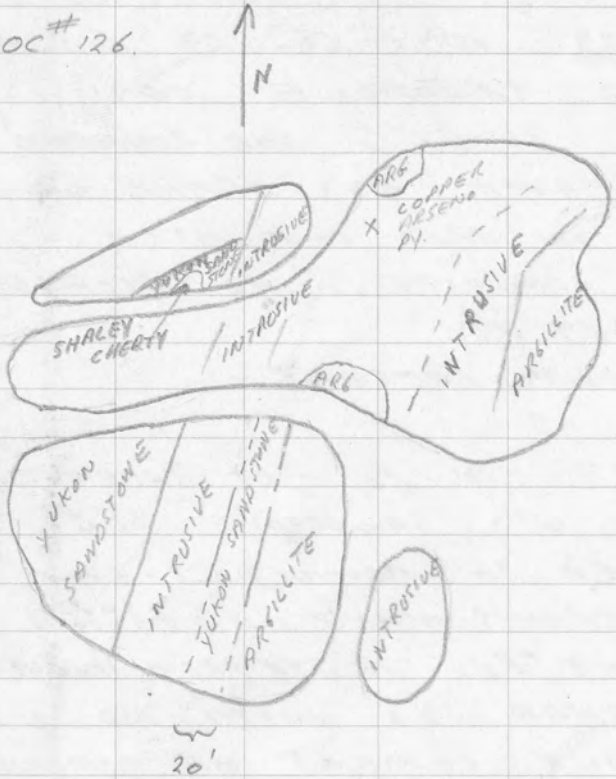
JUNE 10/69.

OC #123 M-C. Gr LT BROWN QTZ SANDSTONE. CONSISTS OF 85-90% SUB-ROUNDED 2mm-4mm QTZ GRAINS WHICH ARE IN PART CEMENTED BY LIMONITE. NO CALCAREOUS CEMENT PRESENT (DF69 119)

OC #124 M.-Gr, LT GREENISH GREY QTZ SANDSTONE. SUB-ROUNDED TO ROUNDED 1-3 mm QTZ GRAINS MAKE UP 90% OF THE RX. A TIGHTER TOUGHER Rx THAN 123 WITH NO LIMONITE CEMENT OR LIMONITE NODULES. THE LARGER QTZ GRAINS HAVE A BLUISH CAST TO THEM. YUKON GROUP QTZITE? (DF69 120)

OC #125 M. Gr QTZ SANDSTONE WITH PARTIAL LIMONITE CEMENT, 85-90% QTZ GRAINS. SAME AS IN OC #123

OC # 126.


N
ARG
X COPPER PRESENCE PY.
INTRUSIVE
ARGILLITE
INTRUSIVE
SHALEY CHERTY
INTRUSIVE
ARG
YUKON SANDSTONE
INTRUSIVE
YUKON SANDSTONE
ARGILLITE
INTRUSIVE
20'

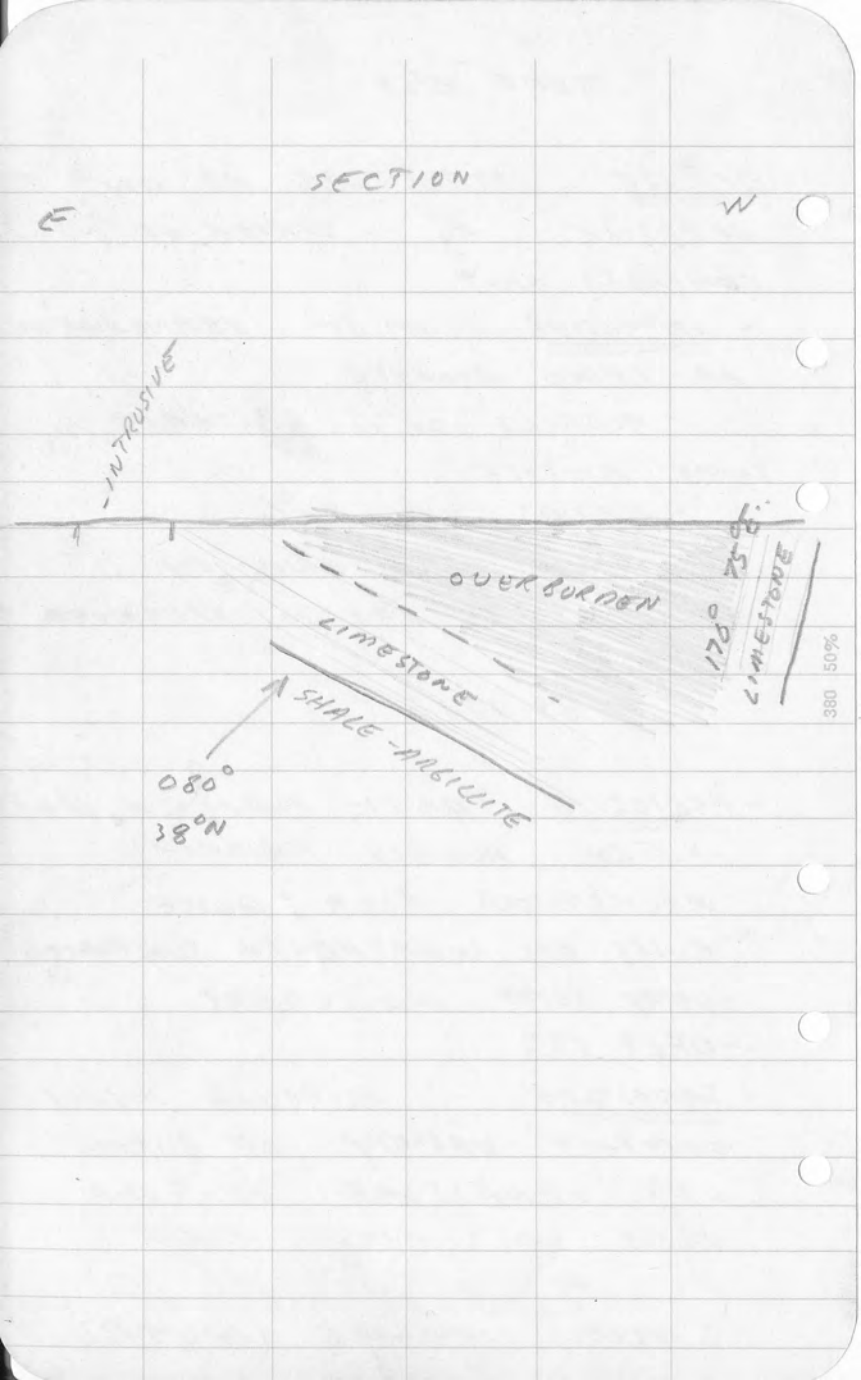
JUNE 10/69

OC #126 STRUCTURE AS ON OPPOSITE Pg. STRIKE OF CONTACTS 010°

- INTRUSIVE M.GT GRANODIORITE OR LEUCO DIORITE
- MAFICS 20% ALTERED, SOME BIOTITE
- FELDS 75-80%
- MINOR QTZ AND PY.
- RX IS A LT GREEN SPECKLED WHITE.

OF 69 121

- ARGILLITE DARK PURPLISH GREY X.F6T, POORLY FRIABLE ARGILLACEOUS ROCK. QUITE RUSTY ON WEATHERED SURFACES
- VERY SOFT NO CHERT
- DF69 122
- SANDSTONE - BLEACHED HIGHLY COMPACT VARIETY OF YUKON QTZ SANDSTONE TO 9 MM BLUE QTZ EYES, MUCH AS IN OC #124 125, BUT LITTLE LIMONITE (DF69 123)


SECTION
E
W
INTRUSIVE
OVERBURDEN
LIMESTONE
SHALE-ARGILLITE
080°
38°N
170°
25°
LIMESTONE

JUNE 10/69

- ARGILLACIOUS CHERT DARK PURPLE GREY IN PLACES SOFT IN OTHERS MASSIVE CHERT, X. F6r. ROCK
(DF69 124)

OC# 127
- OC OF V.F6r DARK GREY MICRITIC LIMESTONE IN PLACES CONTAINING CHERTY BANDS AND NODULES. FREQUENT CALCITE BANDS. IT OVERLIES A 6' THICKNESS OF FRIABLE BLACK SHALE. IN PLACES THE LIMESTONE IS THICKLY BEDED (AVERAGE 1'). DF69 125

JUNE 10/69

OC# 128 150-200' OF M-C. Gr YUKON QTZITE SANDSTONE WITH TO 3MM BLUE QTZ EYES
(DF69 126)

- Rx IS THICKLY BEDDED (average 1'-3')
STRIKE 155°
DIP 42° SW.

- ABOVE THIS IS A 1' BED OF F-M. Gr, BROWNISH WHITE RECRYSTALIZED LIMESTONE WITH 1/16" CHERT LAYERS 11 TO BED. WEATHERED SURFACE MED. GREY
STRIKE 136°
DIP 90° - 85° SW.
(DF69 127)

- THIS IS FOLLOWED BY 15' OF WELL BEDED SILICIOUS DARK GREY TO BLACK ARGILLITE THE WEATHERED SURFACE IS A RUSTY GREENISH BROWN. (DF69 128)

GOSSAN ON TOP OF HILL → IN SHALEY ARGILLITE AND SANDSTONE. MUCH GOETHITE. LOOKS LIKE SOME CU STAIN.

THIS IS FOLLOWED BY M-C. GR. YUKON QTZITE WHICH IS QUITE RUSTY NEAR THE CONTACT BUT GRADUALLY RETURNS TO OF WHITE GREY PURE QTZ (WITH BLUE QTZ EYES) SANDSTONE.
(DF69 129)

OC #129 100' DYKE OF INTRUSIVE RX AS IN OC #126 AND SITUATED ON DIRECTION 010° FROM OC #126.

OC #130 BACK INTO YUKON GROUP SANDSTONE. SAME AS ALWAYS.

OC #131 VERY C. GR. YUKON SANDSTONE, BLUE QTZ GRAINS UP TO 5 MM.

OC #132 PURPLE BLACK TO DARK PURPLISH GREY X.F.6f LAMINATED ARGILLITE. NOT FRIABLE. LAMINATIONS ARE DEFINED BY $\frac{1}{2}$" BANDS OF LT. APPLE GREEN ARGILLACIOUS MATTERIAL WHICH ARE CONTORTED IN PLACES. (DF69 130)

OC #133 M.-6f. YUKON GROUP QTZ SANDSTONE. 85-90° ROUNDED QTZ GRAINS -UP TO 5% 1-2 MM GOETHITE PSEUDO MORPHOUS AFTER PY OR LIMONITE GRAINS SCATTERED THROUGHOUT THE ROCK (DF69 131).

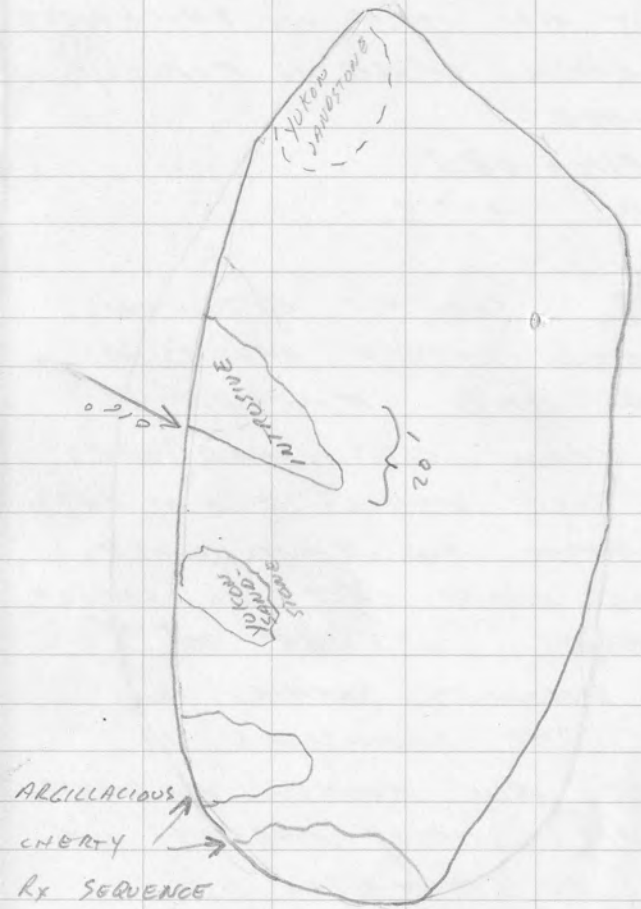
OC #134 ALTERNATING BANDS OF X.F.6f. TO V.F.6f CHERT AND ARGILLITE. BOTH HAVE A LIGHT GREY TO WHITE GREY SURFACE COLOUR, BUT DARK GREY TO BLACK FRESH SURFACE

COLOUR. THE BANDS AVERAGE ABOUT AN INCH IN THICKNESS AND EACH BAND IS FINELY LAMINATED.

STRIKE 080°
DIP 42° S.

OC #135 CONTACT BETWEEN ARGILLACEOUS CHERTY LAYERS AS IN #134 AND F-C.6f YUKON GROUP QTZ SANDSTONES. THE 6f SIZE VARIES FROM LESS THAN 1 MM TO 5 MM WITH TYPICAL MUCH CAST TO LARGER QTZ GRAINS, QTZ 85-90+%. SOME LIMONITE GRAINS IN PLACES. THE SANDSTONE IS THICKLY BUT POORLY BEDDED. - IN PLACES SHALEY PARTINGS UP TO 1" IN THICKNESS HELP DEFINE THE BEDDING

- STRIKE : VARIES BETWEEN 138-169°
- DIP : APROX VERTICAL
- APPEARS TO BE AN ANGULAR UNCONFORMITY BETWEEN SANDS-



JUNE 10/69

TONE AND THE ARGILLACEOUS CHERTY Rx.

DF69 132

OC # 136 X. FG. DARK GREY TO BLACK MASSIVE ARGILLITE. - IN A GULLY BY A LAKE. TOPOGRAPHICALLY BELOW THE SANDSTONE - OC.

OC # 137 YUKON QTZ SANDSTONE AS BEFORE

OC # 138 SEE SKETCH TO LEFT.

YUKON SANDS. A FINE GRAINED VARIETY OF THIS ROCK WITH DARK GREY TO BLUE QTZ GRAINS GIVING FRESH Rx A MUCH DARKER APPEARANCE IN PLACES IN OTHER PLACES THE SAME AS BEFORE

INTRUSIVE: A MEDIUM GRAINED

JUNE 10/69

LOW MAFIC GRANODIORITE ?

- MINOR QTZ & PY
- 5+% BIOTITE
- REST FELDS.

RX IS A LT GREY IN COLOUR, GRAINS ARE INDISTINCT IRORARY ALTERATION

- OC IS 20' WIDE.

(DF69 133)

- ALTERNATING 1" - SEVERAL INCH" BANDS OF DARK PURPLISH GREY ARGILLITE AND DARK TO LIGHT CHERT, ARGILLACEOUS CHERTY SEQUENCE

STRIKE : APPROX 110°
DIP : 83° S. TO VERTICAL

- ARGILLACEOUS AND CHERTY BANDS NOT MUTUAL EXCLUSIVE FIND STRINGERS OF ONE IN THE OTHER

JUNE 10/69

OC #139 YUKON GROUP SANDSTONE
SAME AS BEFORE

OC #140 ALTERNATING LAYERS OF CHERT, V.F.G. PURPLE BLACK ARGILLITE, AND V.F.G. ARENACEOUS SILICIOUS MATERIAL V.F.G. SANDSTONE

TOPS ?
STRIKE - 136 - 136°
DIP - 90°

OC #141 15-20' WIDE OC'S OF ALTERED INTRUSIVE, MUCH THE SAME AS PREVIOUS, STRIKING APPROX 032.° BOUNDED ON BOTH SIDES BY YUKON GROUP SANDSTONE

15½

JUNE 11/69

OC #142 YUKON GROUP SANDSTONE, SMALL OC, AS BEFORE

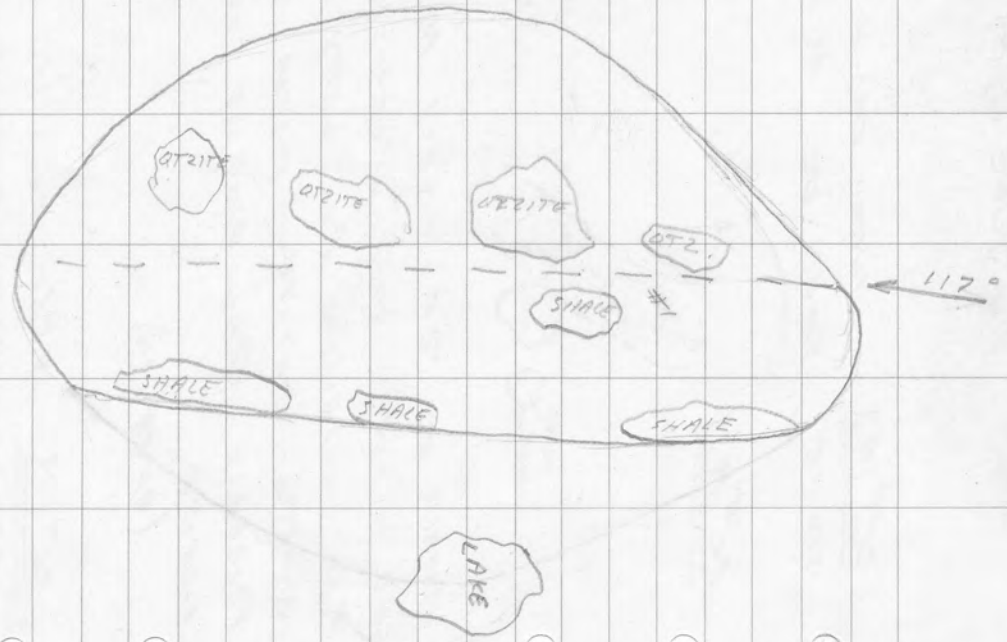
OC #143

- SMALL OC OF HIGHLY PROPHILITIZED AND ALTERED MED GREENISH GREY F.Gr INTRUSIVE Rx. VERY SOFT 10-15% BIOTITE, MINOR QTZ. PROBABLY GRANODIORITE TO DIORITE

(OF69 134)

OC #144 V.F.Gr. TO F.Gr QTZ CHERTY ARENACIOUS ROCK, 10' OC. PROBABLY CHERTY INTERLUDE IN YUKON SANDSTONE.

- THE CHERT OCCURS AS THIN BANDS. POSSIBLY THIS SECTION JUST REPRESENTS A SILICIFIED


QTZITE
QTZITE
QTZITE
QTZ.
SHALE
#1
117°
SHALE
SHALE
SHALE
LAKE

JUNE 11/69

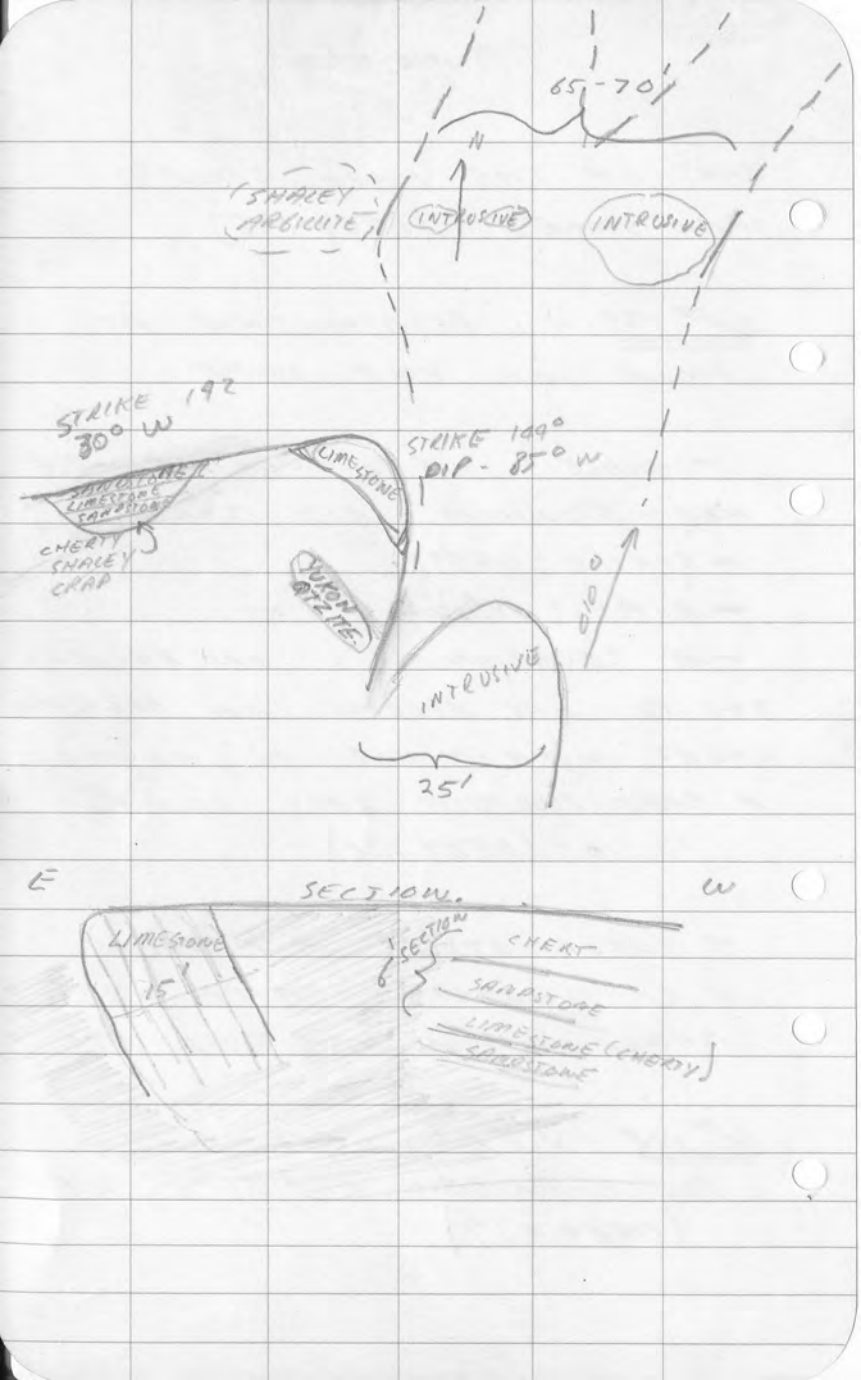
PART OF THE YUKON GROUP
SAND STONE. (OF69 135)

OC# 195 - RELATIONSHIP AS
SHOWN ON THE LEFT

- SHALE X.F.Gr. VERY FRIABLE
MED - BROWNISH GREY SHALE
- STRIKE: 095°
- DIP : 15° W
- AT LOCATION #1 ON DRAWING
THE Rx HAS BECOME AN ARGILLACEOUS
CHERT WITH MINOR PY, HAVING
A DARK PURPLISH GREY COLOUR.
(OF69 136)

- YUKON QTZITE - MASSIVE
F. Gr VARIETY SAME AS
BEFORE, BLUE QTZ EYES ETC.

OC# 196 V.F.Gr. DARK GREY
POORLY FRIABLE ARGILLITE, SOFT
(OF69 137)


65-70'
N
SHALEY ARGILLITE
INTRUSIVE
INTRUSIVE
STRIKE 192
30° W
STRIKE 149°
DIP - 85° W
LIMESTONE
SANDSTONE
LIMESTONE
SANDSTONE
CHERTY SHALEY CRAP
SILICIFIED ZONE
INTRUSIVE
25'
E
SECTION.
W
LIMESTONE
15'
SECTION
CHERT
SANDSTONE
LIMESTONE (CHERTY)
SANDSTONE

JUNE 11/69

OC#197 ARGILLACIOUS CHERTY X.F.Gr PURPLE GREY TO BLACK BEDDED Rx

STRIKE 095°
DIP 25°N

-6000 PYRITE SHOWING HERE.

OC#198° SEE LEFT

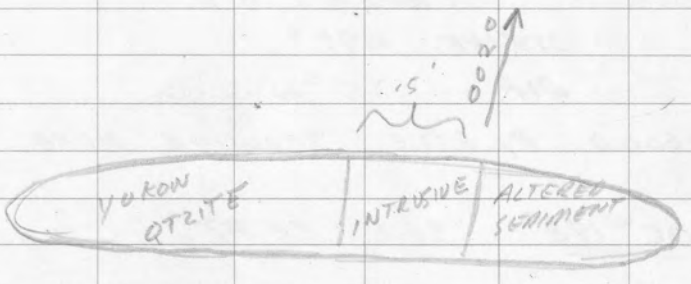
- LIMESTONE : LT GREY, V.F.Gr. RECRYSTALLIZED MICRITIC MODERATELY BEDDED LIMESTONE WITH STRINGERS OF CHERT // TO THE BEDDING

STRIKE 199° (OF69138)
DIP 85°W

- INTRUSIVE : LT. GREY ACIDIC INTRUSIVE LOW IN MAFICS
<5% BIOTITE
<5% QTZ
REST FELDS
MINOR PYRITE.
- FINE TO MED Gr. ALTERED. Rx (OF69139)

OC #151

PLAN.



JUNE 11/69

OC # 149 ALTERNATING, CONTORTED BANDS FROM 1" TO < 1' OF X.F. GR PURPLE BLACK CHERT, X.FGR PURPLE BLACK ARGILLITE, AND SOFT RECRYSTALLIZED LT - MED GREY CALCAREOUS LAYERS

OC # 150 YUKON GROUP QTZ SANDSTONE, SAME AS ALWAYS.

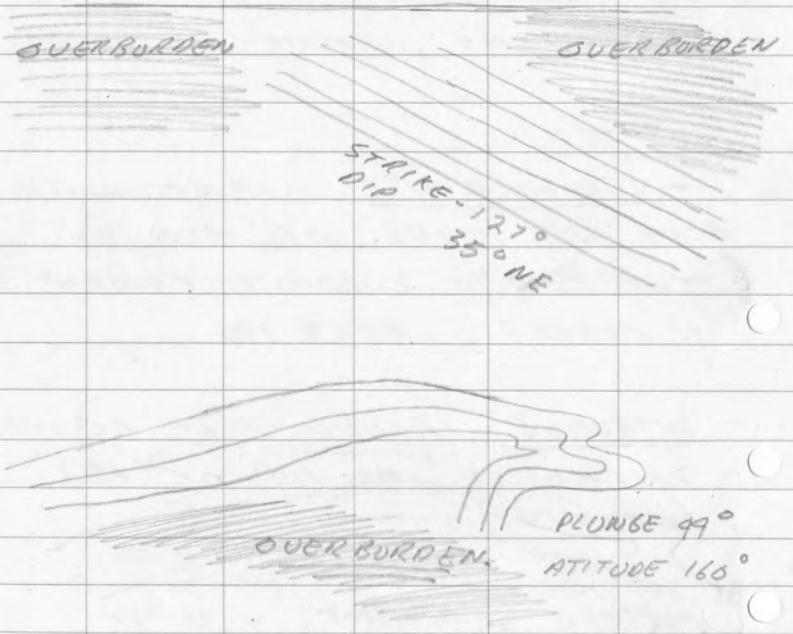
OC # 151

- YUKON QTZITE M.GR. WITH BLUE QTZ EYES, AS ALWAYS
- UP TO 5% LIMONITE CEMENT IN PLACES DF69 190

INTRUSIVE ACIDIC F.GR ALTERED INTRUSIVE AS IN OC # 148 (DF69 191)

ALTERED SEDIMENT. - V.FGR GREENISH PURPLISH GREY (MED) ALTERED ARGILLACIOUS RX. GOOD DEVELOPMENT OF 2MM

OC #152.


OVERBURDEN
OVERBURDEN
STRIKE - 127°
DIP 35° NE
PLUNGE 49°
ATITUDE 160°
OVERBURDEN
10'

ACTINOLITE FLOWERS (GIVES Rx A GREEN COLOUR). Rx NOW HAS A HARDNESS OF 4-7. POSSIBLY ORIGINALLY A ARGILLACEOUS CALCAREOUS CHERTY SEDIMENT.
(DF69192.)

OC #152 OC OF X.F.Gr. BLACK WELL BEDDED MICRITIC LIMESTONE WITH CONCOIDAL FRACTURE. IN MANY PLACES THE Rx IS CRISS CROSSED BY CALCITE FILLED FRACTURES. BEDS AVERAGE ABOUT 6" AND THERE ARE SEVERAL BLACK SHALEY PARTINGS BETWEEN SOME OF THE BEDS.
-ROUGHLY A 20' SECTION.
(DF69193)

OC #153 F.Gr. MED GREY GREEN ALTERED INTRUSIVE Rx NEAR DIORITE IN COMPOSITION
25-30% BIOTITE

REST A GREENISH FELDS, PROBABLY SAUSSERITIZED.
(DF69 194)
-BIOTITE MAY BE SECONDARY IN PART.

OC #154 OC OF ARGILLACEOUS CHERTY POSSIBLY CALCAREOUS (IN COARSER GRAINED PARTS) Rx VARIES FROM X.F.Gr TO F.Gr AND FROM LT GREY TO DARK PURPLE GREY ROCK. MASSIVE
(DF69 195) PURPLE BLACK CHERT TO THE SOUTH.

OC #155 DARK PURPLE BLACK X.F.Gr. CHERT, SHALEY OR ARGILLACEOUS IN PLACES, IN WHICH CASE ITS HARDNESS GOES DOWN TO 4 TYPICAL OF THE ARGILLACEOUS CHERTY SEQUENCES TO THE SOUTH.

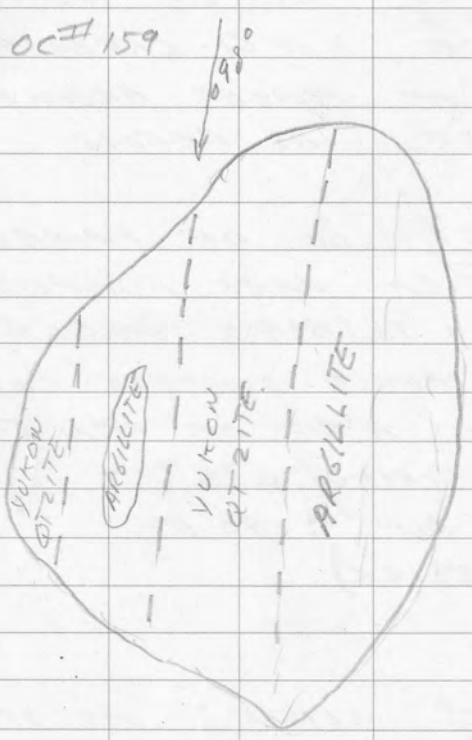
JUNE 11/69

OC #156 OC OF PURPLE BLACK, V.F.Gr CARBONACEOUS AND IN PLACES ARGILLACEOUS CHERT. AS BEFORE

OC #157 OC OF FRIABLE V.F.Gr DARK PURPLISH GREY TO BLACK SHALE. REDDISH WEATHERED SURFACE COLOUR. QUITE A BIT OF MN STAIN.
- STRIKE: 035°
- DIP : 90 E
(OF69146)

OC #158 CLIFF: AT THE BOTTOM IS 15-20' OF MED GREY, F.Gr. YUKON GROUP QTZITE SANDSTONE, POORLY BEDDED WITH SHALEY PARTINGS
- STRIKE - 185°
- DIP - 39°W
(OF69147)
- ABOUT 20'-30' ABOVE THIS IS A SECTION OF VERY WELL

OC# 159



BEDDED (6") FINELY LAMINATED GREEN-GREY TO PURPLEISH GREY CHERT. ARGILLACIOUS IN PLACES.

STRIKE - 165°
DIP. - 58° W

(DF69 158)

- IN THE TOP 2' THERE ARE A FEW 6" CALCAREOUS LAYERS MADE UP OF C. GR BLACK RECRYSTALIZED MICRITIC LIMESTONE WITH FREQUENT CALCITE STRINGERS AND CHERTY LAMINATIONS // TO THE BEDDING. CALCITE STRINGERS IN RANDOM DIRECTIONS.

(DF69 199)

DF # 159

- ARGILLITE : PURPLE GREY TO GREENISH GREY (DARK) X.F. GR. ONLY SLIGHTLY FRIABLE ARGILLITE

- QTZITE - M-C. GR QTZ

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SANDSTONE, LITTLE LIMONITE MUCH LIGHT ALL THOSE BEFORE. LARGE BLUE GRAINS.

JUNE 12/69.

OC #160 F.-M. Gr QTZ SANDSTONE COMPOSED OF 85-90% SUBROUNDED QTZ GRAINS. MOST OF GRAINS CIMM WITH 5-10% 1-2 MM BLACK QTZ GRAINS. Rx VERY HARD MED GREY COLOUR.
(DF69150)

-AS WE GO EAST, SANDSTONE BECOMES FINER GRAINED, MORE DENSE AND DARKER IN COLOUR. AT EAST EDGE, GRAINS ARE HARD TO SEE.

OC #161 LARGE AREA OF V.F.Gr. TO C. Gr QTZ SANDSTONE 90+% SUBROUNDED QTZ GRAINS. WHITE BROWN LIMONITE PODS UP TO 5% OF THE Rx, USUALLY OF SIMILAR Gr. SIZE AS THE ENCLOSING ROCK. FAIRLY MASSIVE, NO BEDDING. LT BROWNISH WHITE COLOUR TO THE ROCK, WHITE GREY ON THE WEATHERING SURFACE.
(DF69151)

JUNE 12/69

OC #162 M. Gr. BIOTITE GRANITE INTRUSIVE (1-3 mm Gr. SIZE)
- BIOTITE - 5%
- QTZ - 10-15%
- FELDS REST
(DF69152)
- VERY LARGE OC. AREA. MINOR PYRITE.
(DF69153)

Rx VARIES FROM A LT PINKISH GREY TO LT GREY.
- INTRUSIVE GRANITE-QTZ MONZONITE

OC #163 EXTENSIVE AREA OF MAINLY QTZ SANDSTONE VARING FROM F. Gr. FAIRLY DARK Rx DUE TO DARK QTZ EYES TO VERY LIGHT C. Gr QTZITE AS BEFORE WITH LIMONITE PODS.
- MANY AREAS OF SHALEY

AND CERTY BXS BUT NO DEFINITE SEPARATIONS OR BOUNDARIES. AT ONE POINT BEDDING WAS OBSERVED:

STRIKE 175°
DIP 65° E

- THIS ARGILLACEOUS AND CHERTY MATERIAL IS X. F. GR. AND DARK GREY TO BLACK. POSSIBLY JUST INTERRUPTIONS OR IMPURITIES IN SANDSTONE

- SMALL 20' INTRUSIVE DYKE CUTTING SOUTH SIDE OF THE OC AT 060°. INTRUSIVE IS A LEUCO FELDSPATHIC MATERIAL, SOMETHING LIKE AN ALASKITE, F-M. GR.
  - QTZ MINOR
  - 5% CHLORITIZED ALTERED MAFICS.

DF69 154

JUNE 12/69

OC #169 EXTENSIVE OC. OF F-M. GR WHITE QTZ SANDSTONE. IN THE ODD PLACE IT HAS A PURPLE COLOUR, BUT USUALLY VERY WHITE AND BLEACHED LOOKING.

95+% QTZ

(DF69 155)

- CUT BY 10' INTRUSIVE DYKE STRIKING APPROX N. OF QTZ, ALTERED HORNBLENDE (1-3mm) PHENOCRYSTS IN A WHITE F. GR FELSIC MATRIX. GRANITOID IN COMPOSITION.
  - HORNBLENDE 5-10%
  - QTZ 5-10%
  - FELDS 80%

(DF69 156)

JUNE 12/69

OC # 165 LT. GREY MED GR. GRANODIORITE INTRUSIVE RX.

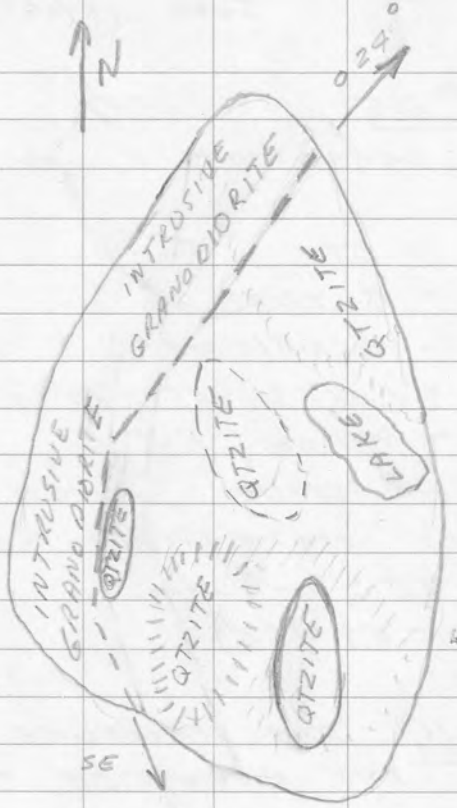
- QTZ 5-0/0
- BIOTITE 20+0/0
- HORNBLENDE 5 0/0
- FELDS 65-70 0/0
- MINOR PY.

VERY MASSIVE, TOUGH BLOCKY INTRUSIVE RX
GR. SIZE: 2-3 mm
(OF 69 156)

OC # 166. FOR STRUCTURE SEE THE BACK OF THIS PAGE

- INTRUSIVE - MED GR BIOTITE-HORNBLENDE GRANODIORITE AS BEFORE
- QTZITE: IN PLACES IT IS THE ORDINARY BROWNISH WHITE LIMONITE STAINED AND PODED QTZ F-C. CF. SANDSTONE POSSIBLY YUKON GROUP.
- IN OTHER PLACES IT IS

OC 166


N
024°
INTRUSIVE GRANODIORITE
INTRUSIVE GRANODIORITE
QTZITE
QTZITE
QTZITE
QTZITE
QTZITE
LAKE
SE
60'

OC #169


140°
INTRUSIVE
QTZITE
MARBLE
INTRUSIVE
INTERBEDDED

JUNE 12/69

HIGHLY RUSTED AND PRODUCES A FRIABLE GOSSAN ON THE SURFACE RESEMBLING A SHALE. HERE IT IS F.Gr. AND MED TO DARK GREY AND IN PLACES IS SO ALTERED THAT IT SCRATCHES EASILY (i.e. THE SILICA HAS BEEN LEACHED)
(DF-69 157)

OC #167 - INTRUSIVE AS ABOVE.

OC #168 - V.F.Gr., DARK PURPLE GREY ARGILLITE. MODERATELY LAMINATED AND BEDDED BUT NOT VERY FRIABLE.
STRIKE - 087°
DIP - 35°NW

OC #169 - CONTACT BETWEEN M.Gr. GRANODIORITE INTRUSIVE AND METASEDIMENTS
- RT ON CONTACT IS A V.F.Gr. PURPLE - BLACK SOFT ARGILLACEOUS Rx (DF69158). VERY RUSTY IN PLACES.

- ALSO SOME V.F. GR LT BROWNISH QTZITE SANDSTONE MUCH AS BEFORE, HARD AND MASSIVE. (DF69 159)

- C.GR. WHITE, CRUMBLY MARBLE, VERY SOFT FRIABLE IN PLACES 11 TO CONTACT (190°) (XLY AGGREGATE) (DF69 160)

OC# 170 INTRUSIVE BIOTITE HORNBLENDE GRANODIORITE. M.GR. WITH MINOR 1CM FELDS PHENOS

20+% BIOTITE
5-% HORNBLENDE, SOME CHLORITIZATION
5% QTZ

(DF69 161)

OC# 171 INTRUSIVE M.GR. GRANODIORITE AS BEFORE

OC# 172 STRIKE - 098°
DIP - 50°NW

MODERATELY WELL BEDED BANDED MED GREEN GREY TO DARK PURPLE GREY CHERT. HIGHLY RUSTED GOSSAN WITH PY, ARSENOPY, PO. NO CPY. SOME MINOR BO STAIN QUITE A BIT OF GREENISH STAIN, HOWEVER LOOKS LIKE CHLORITE NO CU STAIN. SHOWING SA 69-5.
- PROBABLY NOT CHLORITE BUT RATHER ACTINOLITE

JUNE 13/1969

OC #173 YUKON QTZITE
F.Gr. WHITE GREY Rx,
MASSIVE NO BEDDING.

OC #174 MINOR CPY, MUCH
PY GOSSAN WITH MINOR
CU STAIN IN AN ALTERED
MED SLIGHTLY PURPLISH
GREY QTZITE CONSISTING
OF 10-20% 1-mm BLACKISH
ROUNDED QTZ GRAINS IN A
F.Gr MATRIX, IN WHICH GRAINS
ARE OBSCURED.
DEG 162.
FURTHER FROM SHOWING RETURNS
TO MORE NORMAL F.Gr QTZITE.

SCATTERED
QTZITE
INTRUSIVE
QTZITE
100'

QTZITE
50-60'
QTZITE
INTRUSIVE
QTZITE

OC #175 CONTACT BETWEEN NORMAL YUKON GROUP QTZITE AND A ? INTRUSIVE F.GR BUFF (LT WHITE BR) INTROSIVE Rx WITH MINOR 1-2 MM PY CUBES AND A FEW 1-2 MM QTZ ROUNDED GRAINS. ACID COMPOSITION. (OF 69/163) PY XCYS REALLY GOETHITE PSEUDO-MORPHIC AFTER PY

- CONTACT STRIKES 350°

OC #176

- OC OF M.GR LT BROWNISH GREY QTZITE WITH MINOR RUST GRAINS AND A 50-60 WIDE DYKE OF M.GR ALTERED LT BROWNISH INTRUSIVE Rx WITH MINOR ROUNDED QTZ GRAINS AND UP TO 5% 1-4 MM LIMONITE PODS, SOME DEFINITELY PSEUDOMORPHS AFTER PY. MAFIC

JUNE 13/69

NOT SEEN ON FRESH SURFACE, WEATHERING SURFACE SHOWS REMNANT GOETHITE FILLED HOLES ETC TO 5%. MAY ORIGINALLY HAVE BEEN HORNBLENDE

- ACIDIC INTRUSIVES
- OF 69 R 169.