

018551

1981

Best Pass

As per

Sealment

WAT
Supplying

R. D. PENNELL LTD

Vanguarda Creek Geochemical Orientation Survey

81 8 0063

6 samples taken

a) at site of 505 40 -
back eddy on left side
of creek

b) across creek from A leading
edge of a longitudinal
bar nearly becoming a
side bar



See
photos

c) ~200' upstream on
right side

d) completely panned concentrate
from 3 pans - N. Rock,
150' down from a/b.

81 G 0055

A Right side near 565-39
flag

B 75' down stream and
on left side

C pan - at A

D at A coarse pan

E at B coarse pan.

e) coarse pan - N. Beck.
From same site as d)

f) L.Ho from same site as
c

3 heaping 16" gold pans of
sediment washed through
6 mesh screen into 16"
pan and panned to
 $\frac{1}{3}$ original bulk. Time
is about $\frac{1}{3}$ the time
to take a 20 mesh sample

81G 0056

A back eddy on L side of
ck.

B nose of long bar on
R side of ck

C panned cone

D rough pan from A

E back eddy on nose
of long bar. C of ck

F rough pan from E

G Fine sample near E

H near F - purposely
Screwed up by not
carefully washing should
not carefully digging
1/2 time

Sample Number
NTS sheet
coordinates

Stream width
depth - average

Flow = waterfall
rapids
white water
turbulent
slow
still
none.

✓ (water level relative to normal)

range of sizes
modal size

sorting

Very poorly sorted
unsorted
well sorted

boulders specify upper size
cobbles
pebbles
granules
sand
silt
clay

H21 on same trip as 5054/
and ^{trip 11} 400' up stream from H14

NEVILLE CROSBY INC.

Side of stream looking downstream

Type of Bar

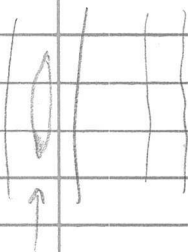
point



side



center



color of sediment

red brown, grey, orange, very rusty
black
(organics)

of Shovel Fulls

wt

sources of contamination

trenches, farm, mine, till etc.

81. T

MARDON

TEX

LOO

155	DK BR	6"	MOSS	SANDY + ROCKS	BASE OF PEAK
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156	DK BR	6"	MOSS	SAND + ROCK CHIPS	RIDGE
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157	DK BR	6"	MOSS		
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158	BR	8"	MOSS		OVER
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159	BR	5"	MOSS	MOSTLY ROCK CHIPS	ROCKY RIDGE
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160	BR	4"	MOSS	MOSTLY ROCK CHIPS	ROCKY RIDGE
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161	BR	6"	MOSS, SOME GRASS	SANDY	SADDLE
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162	LT BR	5"	MOSS	ROCK CHIPS	RIDGE
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163	LT BR	5"	NONE	SANDY + ROCK	SLOPE
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164	LT BR	5"	MOSS	SANDY ROCK CHIPS	SLOPE
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165					
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NOTES

158 LOCATED NEAR SADDLE
APPROX 108 m from
157

159 APPROX 110 m from
158

160 APPROX 113 m from 159

UPPER DIKE CONTACT
AT 89 m from
164

STATION	COLOUR	DEPTH	VEG	TEX	LOC.
165	DK BR	7"	MOSS	SANDY LOAM	SLOPE
166	DK BR	6"	NONE	SANDY ROCKY	SLOPE
167	BR	6"	MOSS	SANDY	FLAT RIDGE
168	BR	5"	MOSS	SANDY	
169	BR	5"	NONE	SANDY	FLAT SADDLE
170	BR	6"	NONE	SANDY	
171	BL	10"	MOSS	LOAM ROCKY	SLOPE
172	BR	6"	MOSS	ROCKY SAND	
173	DK BR	5"	NONE	ROCKY SANDY	TOP OF RIDGE
174	BR	6"	MOSS	ROCKY SANDY	
175	DK BR	4"	MOSS LICHEN	ROCKY ORGANIC	ROCKY HILL

NOTES OVER

STAT	veg	DEPTH	COLOUR	TEX	LOC
180	MOSS	7"	BR	SANDY SOME ROCK	SLOPE STAIR
181	NONE	6"	BR	ROCKY, SANDY	TALUS SLOPE
182	MOSS	6"	BR	ROCK CRIPS SANDY	TALUS SLOPE
183	MOSS LOW BUSH	4"	BR	SANDY ROCKY	
184	LOW BUSH BUCK SWAMP	6"	BR	SANDY, ROCKY	
185	JUNIPER BUSH	2"	BR	SANDY, ROCKY	BASE OF CLIFF
186	LOW BUSH MOSS	4"	BR	SANDY ROCKY	SLOPE from cliff
187	grassy	6"	DK BR	ROCKY, SANDY	see notes
188	grassy small trees	12"	GR/BR	SANDY, LOAM	grassy slope
189	small pines	8"	GR/BR	see notes	slope
190	low bush	6"	BR	sandy	slope
191	grassy	6"	LT BR	sandy rocky	slope

NOTES

187 Located on old rock
slide, may be seasonal
stream bed.

189 sandy with organic
matter, rocky

	VEG	DEPTH	COLOUR	TEX	LOC.
191					
192	LOW BUSH + PINES	6"	LT BR	SANDY	SLOPE INTO RAVINE
193	pine trees med. size	6"	DK BR	LOAMY, ORGANIC	SLOPE OTHER SIDE RAU.
194	grassy	4"	TAN	SANDY, LOAM	WIDE SLOPE
195	grass	12"	DK BR	LOAM SANDY	SLOPE
196	bush	6"	DK BR	LOAM	EDGE OLD RIVER BED
197	grass mass	8"	DK BR	LOAM VR ROCKY	SLOPE BELOW OUTCROP
198	grass mass	6"	DK BR	ROCKY LOAM	SLOPE BELOW OUTCROP
199	grassy	6"	BR	ROCKY SAND	"
200	grassy	6"	BR	ROCK SAND	grassy scree slope
501	bush	8"	BR	ROCKY sand.	slope below out
502	"	12"	DK BR	LOAM	"
503	"	8"	BR	SAND	slope

NOTE

~~194~~ ~~100-216-1000~~ ~~100-216-1000~~

	VEG	DEPTH	COLOR	TEXT	LOC
504	Buck BRUSH	6"	BR	SAND	SLOPE
<hr/>					
505	MOSS LICHEN	6"	DK BR	SANDY LOAM	TOP OF PEAK
506	NONE	6"	DK BR	ROCKY LOAM	SLOPE
507	MOSS ES	7"	BR	ROCKY SAND	SLOPE
508	NONE	6"	GR	ROCKY SAND	SADDLE
509	NONE	4"	GR	ROCK CHIPS	SLOPE
510	MOSS	3"	GR/BR	ROCKY SAND	RIDGE
511	NONE	5"	BR	ROCKY SAND	SADDLE
512	NONE	5"	BR	"	"
513	NONE	4"	OR BR	"	SCREE SLOPE

25M	VEG	DEPTH	COL	TEX	LOC
560	NONE	6"	BL	sandy	saddle
551	MOSS LICHEN	8"	DK BR	LOAM ROCKY	SLOPE
552	"	"	"	ROCK & SAND!	"
553	"	8"	"	"	RIDGE EDGE
554	"	"	"	"	"
555	"	"	"	"	"
556	"	4"	"	LOAM ROCK	SLOPE TO SADDLE
557	"	4"	BR	SAND LOAM, R	"
558	"	4"	DK BR	LOAM ROCK	"
559	NONE	4"	LT BR	SANDY ROCK	"
560	MOSS	5"	LT BR	ROCK SAND	SADDLE

25 m.

	VEG	DEPTH	COLOUR	TEXT	LOCAT.
561	MOSS	4"	LT BR	SAND OF ROCK	TOP SLOPE
562	"	6"	DK BR	LOAM ROCK	SLOPE
563	NOVUS	4"	BR	ROCK SAND	SLOPE
564	SOME MOSS	5"	BA	ROCK SAND	"
565	MOSS	4"	PK BR	LOAM ROCK	SADDLE
566	MOSS	5"	BR	SAUDY ROCK	SLOPE
567	MOSS	6"	BR	SANDY	SLOPE
568	"	8"	"	LOAM SAND	"
569	"	"	"	"	"
571	"	6"	DK BR	"	"
573	"	4"	DK BR	SAND OF ROCK	"
575	"	6"	BR	SAND	"

NOTES

566 LIMESTONES

567 LIMESTONES
MAY NOT BE IN
OUT CROP

575 RUST ROCK BOTTOM
end of slope
Doug's hat on these

25m

	VEG	DEPTH	COL	TEXT	LOC
577	MOSS	8"	BR	SAND ROCK	SLOPE
579	MOSS	6"	DK BR	LOAM ROCK	"
581	"	"	BR	SAND LOAM, ROCK	"
583	grass low bushes	10"	BR	SAND LOAM	SLOPE BOTTOM

50m

584	low bush	2"	Gray	sandy loam	slope
585	"	4"	DK BR	LOAM ROCKY	SCREE SLOPE
586	"	6"	DK BR	"	SLOPE

NOTE 5

589 SAMPLE is wet,
taken in poor
drainage near
run off

Aug 3rd 1981 Peter Roberts

81 T 1001 - Top of
Mountain

- Sparse moss
- Brown Soil, 30% Rock
- hole 6"

- 1002 - 100m from Top

- Brown Soil 30% Rock
- No Veg
- hole 6"

1003 - shoulder 200m from
Top

- brown Soil, 30% Rock
- Sparse moss
- hole 6"

1004 - Ridge 300m from
Top

- brown Soil, 25% Rock
- 8" hole
- Sparse moss

1005 - Bottom of Sced slope
- Dark brown Soil 20% Rock
- Beginning of Vegetation
- 8" hole

1006 - Saddle
- Dark brown 20% Rock
- Grassy Veg
- 8" hole

1007 - Saddle
- Brown (Dark) Soil
20% Rock
- Tundra Vege.
- 12" hole

1008 - Saddle before rise!
- Brown Soil 15% Rock
- Tundra Veg
- 6" hole

1009 - 20m from top of Knoll
- brown Soil 40% Rock
- Tundra Veg
- 6" hole

- 1010 - Ridge Crest
- Brown Soil 20% Rock
- Tundra Veg.
- 6" hole

- 1011 - 200m from Ridge
Top
- brown Soil 25% Rock
- Tundra Veg
- 6" hole

- 1012 - Down Ridge
- Dark Brown Soil 20% Rock
- Tundra Veg
- 8" hole

- 1013 - Down Ridge
- Dark Brown Soil 25% Rock
- Tundra Vege
- 6" hole.

- 1014 - Ridge Shoulder
- Tan Soil, 15% Rock
- Tundra Vege
- 8" hole

- 1015 - Down Ridge
- light Brown Soil. 10% Rock
- Tundra Vege
- 12" hole

- 1016 - Near Ridge Bottom
- Tan Soil 15% Rock
- Tundra Vege
- 6" hole

- 1017 - Nearer Ridge Bottom
- Grey Soil 20% Rock
- Tundra Vege
- 8" hole

- 1018 - last Shoulder - treeline
- Brown Soil, 20% Rock
- Tundra Vege
- 6" hole

Aug 4th

1019 - Steep scree slope

- Tan Soil 40% Rock

- No Veg

- 8" hole

1020 - Steep Scree Slope

- Tan brown Soil 35% Rock

- No Veg

- 6" hole

1021 - Steep Scree Slope

- Grey Soil 30% Rock

- No Veg

- 4" hole

1022 - Steep Scree Slope

- Grey Soil 40% Rock

- No Veg

- 5" hole

1023 - Steep Grass/Rock Slope

- Grey Soil 15% Rock

- Grass/moss Veg

- 9" hole

1024 - Steep Grass/Rock Slope

- Grey Soil 20% Rock

- Grassy Veg

- 8" hole

1025 - Steep Grass/Rock Slope
- Grey Soil 20% Rock
- Grass Vege
- 8" hole

1026 - Steep Grass/Rock Slope
- Grey Soil 20% Rock
- Grass Vege
- 7" hole

1027 - Steep Grass/Rock Slope
- Grey Soil 25% Rock
- Grass Veg
- 10" hole

1028 - Steep Grass/Rock Slope
- Grey Soil 20% Rock
- Grass Veg
- 6" hole

1029 - Steep Grass/Rock Slope
- Grey Soil 30% Rock
- Grass Veg
- 9" hole

1030 - Steep Scree Cliff
- Grey Soil 25% Rocks
- Sparse Moss
- 9" hole.

1031 - Goddawn Cliff

- Grey Soil 20% Rock

- Negative Veg

- 8" hole

1032 - Ditto

1033 - Steep Scree Slope

- Grey/Brown Soil
25% Rock

- No Veg

- 5" hole

1034 - Steep Grass slope

- Grey Soil 20% Rock

- Grass + Shrubs

- 8" hole

Aug 6th

25m spacing from Aug 3rd
Traverse Start 25m from
Sample 81 T1004

1035 - Rocky Shoulder
- brown soil 20% Rock
- No Veg
- 6" hole

1036 - Scree Slope
- brown soil 30% Rock
- No Veg
- 5" hole

1037. - Scree Slope
- Grey Soil 25% Rock
- Sparse moss
- 6" hole

1038. - Shoulder
- Grey Soil 15% Rock
- Grass Veg
- 6" hole

1039 - Shoulder Ridge
- Grey Soil 15% Rock
- Grass
- 12" hole

1040 - Shoulder Ridge
- Grey Soil 15% Rock
- Grass
- 12" hole

1041 - Shoulder Ridge
- Brown Soil 20% Rock
- Grass
- 10" hole

1042 - Shoulder Ridge
- Brown Soil 15% Rock
- Grass
- 12" hole

1043 - Shoulder Ridge
- Brown Soil 20% Rock
- Grassy
- 12" hole

1044 - Shoulder Ridge
- Brown Soil 15% Rock
- Grassy
- 10" hole

1045 - Shoulder
- Brown Soil 15% Rock
- Grass
- 12" hole

1046 - Shoulder
- Brown Soil 20% Rock
- Grassy
- 6" hole

1047. - Shoulder / Saddle
- Brown Soil 15% Rock
- Grassy
- 8" hole

~~1048~~

Aug 7th 1981

P.R.

1048. - Bottom of knoll
- Brown Soil 30% Rock
- Grass Veg
- 7" hole

1049 - 1/2 way up knoll
- Brown Soil 20% Rock
- Grass
- 9" hole.

1050 - top of knoll
- Brown Soil 20% Rock
- Grass Veg
- 7" hole

1051 - top of knoll
- Brown Soil 25% Rock
- Grass Veg
- 6" hole

1052 - Down Ridge
- Brown Soil 25% Rock
- Grass
- 6" hole

1053 - Ridge

- Brown Soil 20% Rock
- Grass Veg
- 6" hole

1054 - Ridge

- Brown Soil 20% Rock
- Grass Veg
- 8" hole

1055 - Shoulder

- Brown Soil 25% Rock
- 6" hole
- Grass Veg

1056 - Ridge

- Dark Brown Soil 30%
Rocks
- Grass Veg
- 8" hole

1057 - Down Ridge
- Dark Brown Soil
30% Rock
- Grassy Veg
- 8" hole

1058 - Down Ridge
- Dk. Brown Soil
25% Rocks
- Grassy Veg
- 6" hole.

59

1060 - Down Ridge
- Dk. Brown Soil 20% Rock
- Grassy Veg
- 8" hole

1060 - Steep Rock Ridge
- Brown Soil 20% Rock
- Grass on Scree
- 8" hole

1061 - Rocky Bottom of
Steep Ridge Section
- Brown Soil 20% Rock
- Grass Veg
- 8" hole

End Traverse

Sample # 81T1061
is 25m up slope from
Sample # 81T1013 of
August 3rd.

August 7th again

New Traverse

1062 - Steep Bushy Slope
just Below Scree
- Brown Dirt 15% Rock
- Bush Veg
- 8" hole

1063 - Repeat of last
Sample!

1064 - Steep Bushy Slope
- Brown Dirt 25% Rock
- Small trees + shrubs
- 8" hole

1065 - Steep Bushy Slope on
Right hand side of
Stream gully looking down -
Stream
- Dark Brown Soil 20% Rock
- 8" hole

1066 - Steep Bushy Slope

- Grey/Brown Soil

20% Rock

- Moss + Bushy Veg

- 12" hole