HO CLAIMS.

840674

① Prospect HO CK

② D-BAG WEST OF HO

③ D-BAG EAST OF HO

④ PROSPECT EAST HO

⑤ MAP RYHOLITES etc around HO W.

⑥ MAP RYHOLITES etc BRKK ON EAST SIDE OF HO CK.

Possibly if time permits

⑦ } keep mapping around
⑧ } RYHOLITES.

OR

If ground very good
Stake

→ no time.

M. Thicke. HO CREEK June 1983

Mike Grey and myself set up HO ck fly camp. The weather is miserable - little rain however but very foggy - visibility down to about 50M at times.

One didn't arrive at HO ck until ~10:30 due to weather problems at Muddy Lk. Finished setting up camp etc by ~2:00PM then began prospecting HO ck. Didn't make it over the falls - very rugged - will complete prospecting after dirt-bagging tomorrow.

Sampled 5 rocks (M6-1 to 5). Boulder in ck consist of various Dublin seds & also some fresh intrusives. More interesting rocks are a pyritic (primary ??) quartz feldspar porphyry (Tertiary) and a siltstone - qz fp π breccia. The qz-fp-π is not intensely altered but may be clay-chlorite altered. Pyrite may be primary as crystals are euhedral. The breccia contains rounded to angular fragments of ~~sltst~~ black siltstone and ~~mudstone~~ clay-chlorite altered qz-fp-π. Trace amounts of pyrite can be observed within the breccia. Good exposures of the breccia can be observed at the top of the water fall. Another phase of the qz-fp-π intrudes the breccia at the top of the waterfall (dyke, plug ??). This intrusion ~~has~~ appears to effect the breccia very little. Pyrite or sulphide "eggs" ~~or~~ or nodules can be observed within the breccia. Minor chalcedony & sulphide(?) veins are found within the breccia. Some shear zone material within the breccia was also sampled.

It appears that there is a breccia pipe zone containing Dublin sed & Tertiary volc. rock frags ~~within~~ in the area of the waterfall at HO ck. Younger π dykes or plugs also intrude breccia.

Chevron

GEOCHEMICAL SAMPLE DATA SHEET

NAME: M. Miche	DATE: JUNE 20/83	MAP: 104K.
PARTNER:	PROJECT: M504	TRAVERSE NO.: 1
LOCATION: HO CK CONTOUR SOIL.		PHOTO NO.: BC 235

SAMPLE NO.:	LOCATION	HRN	CLR	TEX	SLP	ORG	PHY	COMMENTS
MT372-2	HO CK WEST	4	1	4	—		5	TALUS FINES ON SIDE OF CK.
3	soil sampling at	2	1	2	—	1	5	
4	50 m intervals.	2	1	3	-	1	5	
5	1+50W	2	1	3	-	1	5	
6	2+00W	4	1	B	-	1	5	IN AVALANCHE CHUTE.
7	2+50W	4	1	2	-	2	5	
8	3+00W	1/2	1	3	—	1	5	
9	3+50W	2	1	2	—	2	5	
10	4+00W	1/2	1	3	—	1	5	
11	4+50W	2	1	3	-	1	5	BROWN - BLACK SOIL.
12	5+00W	2	1	3	-	1	5	
13	5+50W	2/3	1	4	-	1	5	BELOW O/C OF FRESH, MED - DARK GRAY F.G. INTRUSIVE.
14	6+00W	2/3	1	3	-	1	5	BROWN BLACK ROCKY SOIL.
15	6+50W	3	1	4	-	1	5	CONTAINS ABUNDANT BLACK SHALE FRAG.
16	7+00W	3	1	4	-	1	5	DITTO.
17	7+50W	2	1	3	-	1	5	GOOD "B" SOIL.
18	8+00W	2	1	3	-	1	5	ROCKY. IN AVALANCHE GLADE.
19	8+50W	1	1	2	-	2	5	DARK BROWN, ORG RICH "A" SOIL
20	9+00W	2	1	3	-	8	5	
21	9+50W	2	1	3	—	1	5	VERY NEAR TO SURFACE.
22	10+00W	1	3	2	-	2	5	"A" SOIL.
~~23~~	~~10+00W~~							
23	10+00W	1	3	2	—	2	5	DOWNSLOPE ~135m ~~edge~~.
24	9+50W	2	1	3	-	1	5	GOOD "B"
25	9+00W	2	1	3	-	2	5	
26	8+50W	2	1	3	-	1	5	
27	8+00W	2	1	3	-	1	5	

Chevron

GEOCHEMICAL SAMPLE DATA SHEET

NAME: M. Thiele	DATE: JUNE 2083.	MAP:
PARTNER:	PROJECT:	TRAVERSE NO.:
LOCATION:		PHOTO NO.:

SAMPLE NO.:	LOCATION	HRN	CLR	TEX	SLP	ORG	PHY	COMMENTS
MT3T2-28	7+50 W	2	1	3	-	1	5	
29	7+00 W	2	1	3	-	1	5	
30	6+50 W	2	1	3	-	1	5	~~BROWNISH SOIL~~
31	6+00 W	2	1	2	-	1	5	
32	5+50 W	2	1	3	-	1	5	BROWNISH SOIL. FINISH
33	5+00 W							NORTHERN-MOST LINE HERE
34	4+50 W							AS CLOSE TO YETH CK.
35	4+00 W							
36	3+50 W							
37	3+00 W							
38	2+50 W							
39	2+00 W							
40	1+50 W							
41	1+00 W							
42	0+50 W							
43	0+00 W							
MT3T3-33	SILT HO CK.			1/2				- UP TO 2m WIDE.
								- MODERATE GRADE TO STREAM.
								- FAIRLY RAPIDLY MOVING WATER.

M. Thiche. HO CREEK JUNE 20/83.

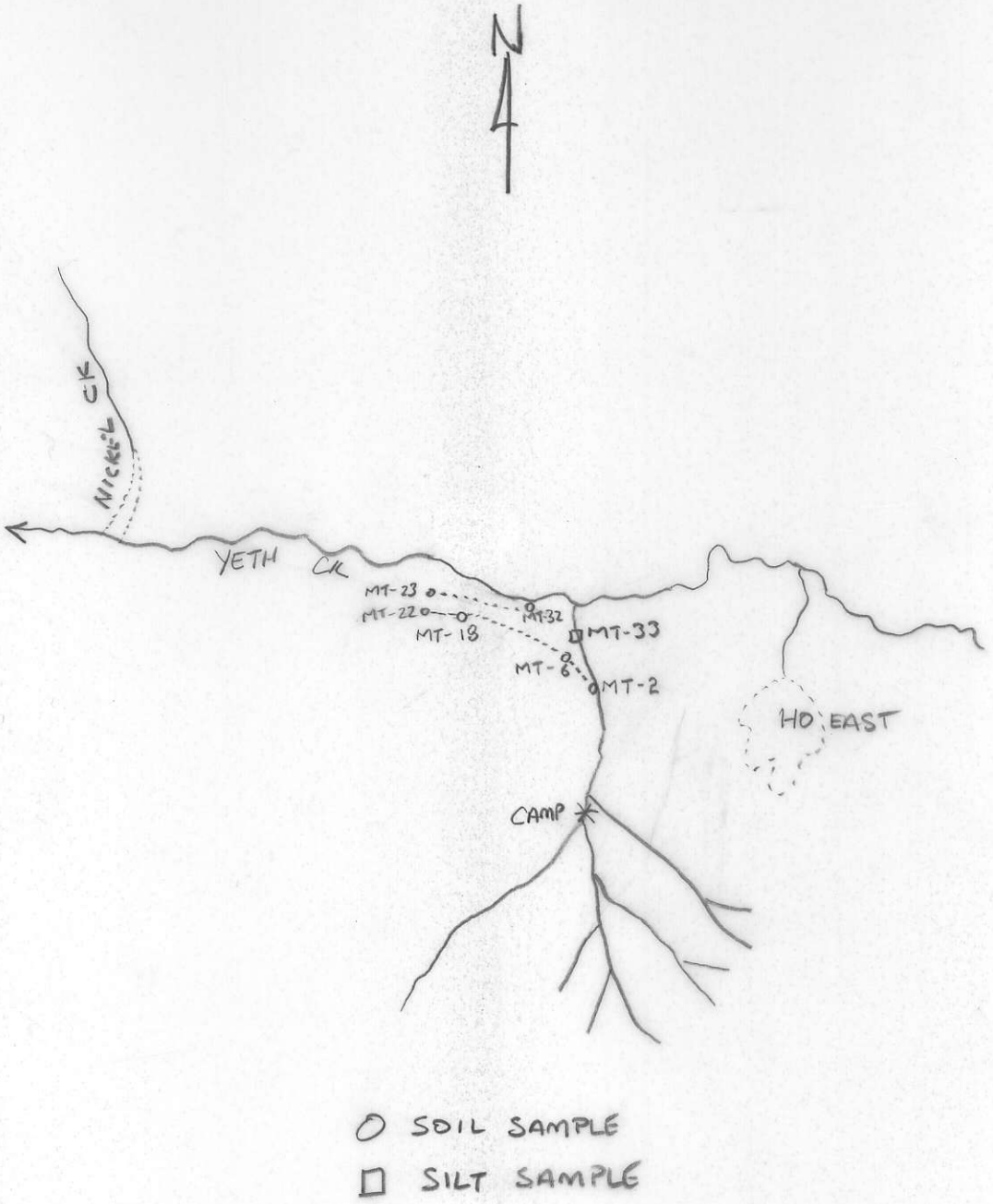
M. Gray and myself began distbagging area west of HO CK. It took a couple of hours to get below the waterfalls but we found a more direct route up the falls coming home. When going down HO Creek, over the falls, will need a rope for one tricky spot.

Soil sampling was fairly slow going due to a combination of late arrival to starting point (cliffs), fairly rugged topography & very poor soil development. Soil was often rocky, most often contained organics & usually one had to dig more then one hole (fairly deep) to obtain a sufficient sample.

Two lines of 1000M each were run west of HO Creek. Sample spacing was 50M. A third line which ran into HO Yeth CK after ~500m was began from the west end of the complete lines.

Upon walking up HO CK at the end of the day a few breccias were flagged to ~~indicate~~ be sampled. Just from a quick look it appears there must be at least 2 or 3 volcanic events (possibly more?). At this time we are about a 1/2-day behind schedule but hopefully by Wed. we'll be caught up.

Project MS04	NTS 104K	Scale 1:30,000	Page of	Traverse 1
Sampler M. THICKE	Location, Target (words) HO CREEK		Sample Nos MT3T2-2 to 32, MT3T3-33	
Date JUNE 20/83	photo no. BC5615 235		Cert. Nos	



GEOCHEM: Cu Mo Pb Zn U W ASSAY:

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED.....

SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

GOSSAN; MINERALS | INTRUSIVE | LIMESTONE DOLOMITE | SHALE | CHERT | VOLCANIC | CONGLOMERATE | SANDSTONE SILTSTONE

SILT X SOIL ● ROCK ■ PAN △ WATER ○

BCL 6662 d—CSM ATTITUDES (↗100/40 N)

Chevron

GEOCHEMICAL SAMPLE DATA SHEET

NAME: M. Thiche	DATE: JUNE 21/83	MAP: 104K
PARTNER:	PROJECT: MSO4	TRAVERSE NO.: 2
LOCATION: HO CK. SOIL SAMPLE E-CONTOUR		PHOTO NO.: BC 235

SAMPLE NO.:	LOCATION	HRN	CLR	TEX	SLP	ORG	PHY	COMMENTS
MT3T2-34	HO CK 50M	2	1	3	-	1	5	ON EAST BANK OF HO CK 50M SOUTH OF FALLS.
35	SAMPLE SPACE	2	1	3	-	1	5	WELL ABOVE #34.
36	1+00E	2	1	2	-	1	5	
37	1+50E	2	1	3	-	1	5	
38	2+00E	2	1	3	-	1	5	
39	2+50E	2	1	3	-	1	5	CONTAINS MANY DARK SHALE FGM.
40	3+00E	2	1	3	-	1	5	"
41	3+50E	2	1	3	-	1	5	"
42	4+00E	3/4	1	4	-	1	5	
43	4+50E	2/3	1	4	-	1	5	
44	5+00E	2	1	3	-	1	5	ON NOSE OF RIDGE
45	5+50E	2	1	3	-	1	5	"
46	6+00E	2	1	3	-	1	5	"
47	6+50E	2	1	3	-	1	5	"
48	7+00E	2	1	3	-	1	5	"
49	7+50E	2	1	3	-	1	5	"
50	8+00E	2	1	3	-	1	5	
51	8+50E	2	1	4	-	1	5	OTHER SIDE OF SMALL STREAM.
52	9+00E	2	1	3	-	1	5	
53	9+50E	2	1	3	-	1	5	
1054	10+00E, 10+50E							NO SOIL; FRESH, FINE GRAINED
	11+00E							DIORITE FALLS. MED - DARK GRAY.
54	11+50E	2	1	3	-	1	5	MED - DARK GRAY DIORITE (FINE GRAINED)
55	12+00E	2	1	4	-	1	5	"
56	12+50E	2	1	3	-	1	5	TAKEN FROM UP-TURNED ROOT.
								ON EDGE OF HO CK EAST
								CANYON.

Chevron

GEOCHEMICAL SAMPLE DATA SHEET

NAME: M. Thide	DATE: JUNE 21 83	MAP: 104K
PARTNER:	PROJECT: M504	TRAVERSE NO.: 2
LOCATION: EAST OF HO CK SOIL TRAV.		PHOTO NO.: BC. 235

SAMPLE NO.:	LOCATION	HRN	CLR	TEX	SLP	ORG	PHY	COMMENTS
MT3T2-57	0+00W	2	1	3	1	1	5	AT HO EAST, BEGINNING LINE BACK TO CAMP WESTWARD.
58	0+50W	2	1	3	-	1	5	
59	1+00W	2	1	3	-	1	5	
60	1+50W	2	1	2	-	1	5	
61	2+00W	2	1	3	-	1	5	
62	2+50W	2	1	4	-	1	5	BROWN GREY SOIL
63	3+00W	2	1	3	-	1	5	~~CROSS SMALL STREAM~~
64	3+50W	2	1	2	-	1	5	
65	4+00W	2	1	3	-	1	5	
66	4+50W	2	1	2	-	1	5	
67	5+00W	2	1	2	-	1	5	
68	5+50	2	1	4	-	1	5	ROCKY SOIL
69	6+00	2	1	3	-	1	5	
70	6+50	2	1	3	-	1	5	
71	7+00	2	1	4	-	1	5	
72	7+50	2	1	3	-	1	5	
	8+00	RAN INTO MT3T2-63.						

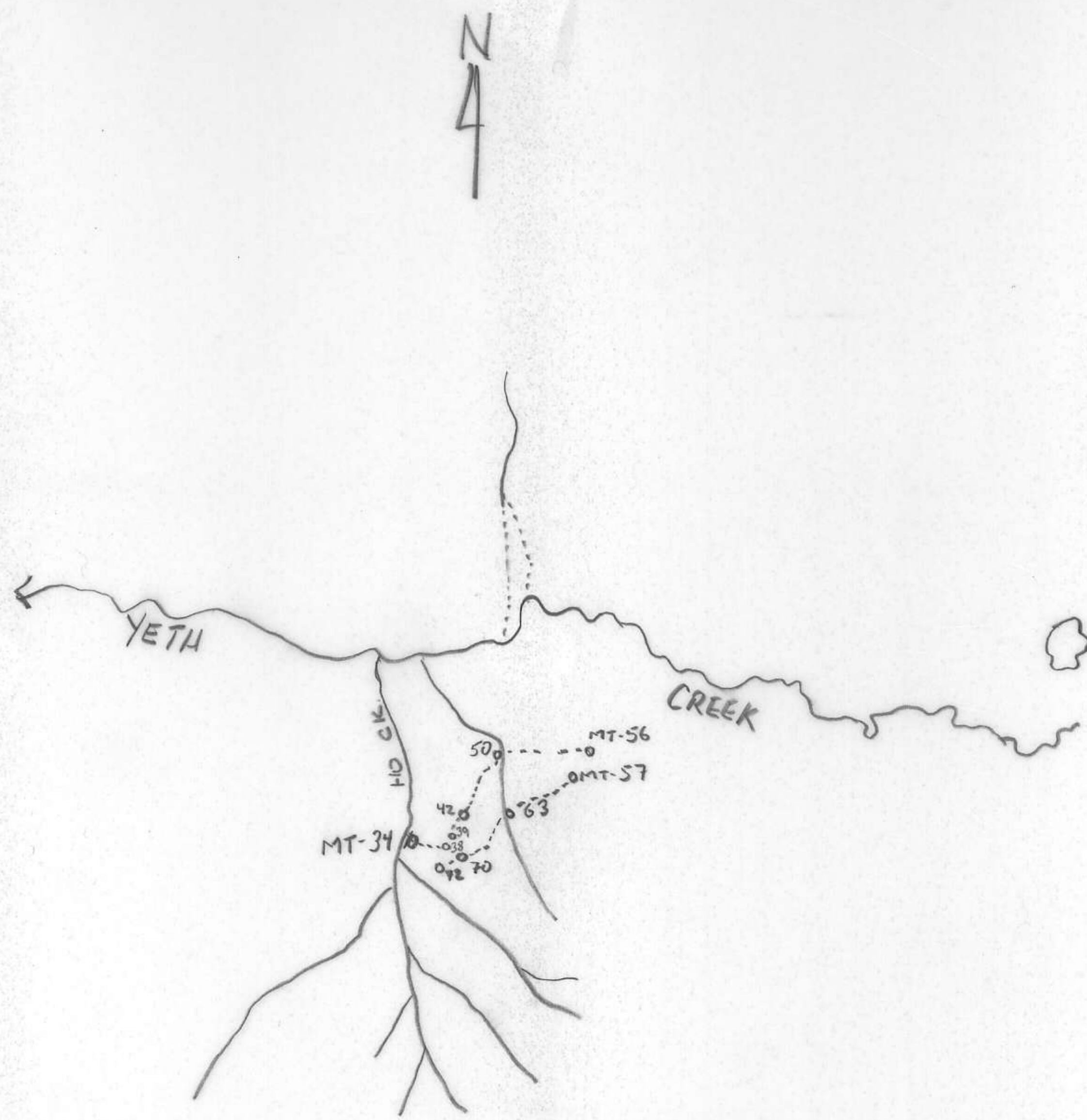
M. Thicke HO CREEK JUNE 21 83.

The day was spent dirtbagging East of HO CK towards HO EAST. About 39 soils were collected on a more or less contour-like traw.

Soil development was good with B-horizon soil obtainable for every sample. Spacing was 50m between samples.

Outcrop encountered was a fresh, fine grained, medium grey diorite(?).

Project M504	NTS 104K	Scale 1:30,000	Page of	Traverse 2
Sampler M. Thicke	Location, Target (words) HO CK		Sample Nos MT3T2-34 to 72	
Date JUNE 21/83	photo no. BC5615 235		Cert. Nos	



O SOIL SAMPLE

ASSAY:

GEOCHEM: Cu Mo Pb Zn U W

BCIL 6662a-CSM
ATTITUDES (∠100/40 N)

GOSSAN, MINERALS — INTRUSIVE — LIMESTONE DOLOMITE — SHALE — CHERT — VOLCANIC — CONGLOMERATE — SANDSTONE SILTSTONE

SILT X SOIL ● ROCK ■ PAN △ WATER ○ SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED - - - ASSUMED .....

M: Thicke HD EAST CREEK. JUNE 22/83.

MT3T1-73 CREEK FLOAT.

RUSTY, HIGHLY FRACTURED INKLIN SILT. BLEBS AND STRINGERS OF PY & POSSIBLY ANOTHER SULPHIDE ?? PY >1%.

MT3T1-74 CREEK FLOAT

RUSTY, HIGHLY FRACTURED SILT. U/ SIMILAR TO #73. UP TO 5% PY & FINER GRAY SULPHIDE MATERIAL DISSEM THROUGH-OUT. PY IN VEINS & FRAC'S.

MT3T1-75 CREEK FLOAT.

STOCKWORK TEXTURED QTZ-FP-TI. CONTAINS MANY LIMONITIC STRINGERS. RUSTY WEATHERING & ALSO A

WHITISH CARBONATE MATERIAL. PY AS PRIMARY(?) EUHEDRAL CUBES & ALSO AS BLEBS & STRINGERS. BLACK, IRREGULAR, "SWIRLY" MATERIAL POSSIBLY CHLORITE.

MT3TI-76 CREEK FLOAT

RUSTY Q3-FP-IT. LIGHT GRAY ON FRESH SURFACE. PY DISSEM. & BLEBS <.5%. DARK GRAY MATERIAL ON SOME FRACS. FAIRLY FRESH.

MT3TI-77 CREEK FLOAT.

GOSSANOUS Q3-FP-IT. SOME PIECES STILL CONTAIN CLAY ALT'D FP PHENOS. POSSIBLY CONTAINS SMALL EUHEDRAL GYPSUM NEEDLES (??). NEED BINOCULAR MICRO.

MT3TI-78 CREEK FLOAT

QUARTZ STOCKWORK CONTAINING ABUNDANT DARK GREY STRINGERS (SULPHIDE ??) THROUGH-OUT. CONTAINS PY UP TO 2% AS DISSEM, BLEBS & STRINGERS. CP(?) POSSIBLY AS STRINGERS. MA IS PRESENT POSSIBLY FROM NEODISITE ?? ROCK IS HEAVY & DENSE. JUICIEST SO FAR.

MT3TI-79 CREEK FLOAT

VERY RUSTY & FRACTURED INKLIN? OR DARK F.G. VOLC? HARD TO TELL! PY AS CUBES & PATCHES, DISSEM, & BLEB & STRINGS UP TO 5%. SIMILAR TO #73 & #74.

MT3TI-80 CREEK FLOAT.

RUSTY Q3-FP-IT ? SIMILAR TO #78 THOUGH NOT AS JUICY. PY UP TO 1% AS DISSEM. & STRINGERS. MINOR CLAY ALT^{N}.

M. Thicke. HO EAST JUNE 22/82.

Mike & I hiked over to HO EAST & prospected HO EAST creek from Yeth CK ~~to~~ south to the ridge top.

Inklin rocks included grey, medium grained sandstones & finer grained, black shale. Intrusive rocks consisted mostly of quartz-feldspar porphyry, often rusty weathered, and a fresh, fine grained, medium gray diorite. Eight rocks were sampled totally. Mike Gray collected 1 silt & two soils.

Three of the rocks sampled were gossanous (rusty), highly fractured, pyritiferous Inklin siltstones. In one instance it was difficult to determine whether f.g. Inklin or f.g. dark volcanic rock. Pyrite occured up to 5% in these rocks. Various quartz-feldspar porphyries were sampled though they were not too juicy. A quartz stockwork was sampled which contained abundant dark-grey stringers (sulphide?), PY up to 2% & possibly some CP stringers(?). Malachite stains were evident on the boulder - possibly neodisite is present.

The rocks in HO EAST area are not too impressive. There is no significant alteration-mineralization present. There are no breccias present as is the case in HO CK. I think the HO EAST area can be written off unless the geochem proves otherwise.

* NOTE: PYRITIFEROUS INKLIN RX POSSIBLY SIMPLY CAUGHT UP IN MINOR SHEARS OR "EGGS".

Project	M504	NTS	104K	Scale	1; 30,000	Page	of	Traverse	3
Sampler	M. Thiche	Location, Target (words)	HO EAST			Sample Nos	MT3T1 - 73 to 80		
Date	JUNE 22/83	photo no.	BC5615 235			Cert. Nos			

WSC-82662d-CSM
BCL 6662d-CSM
ATTITUDES (∠100/40 N)

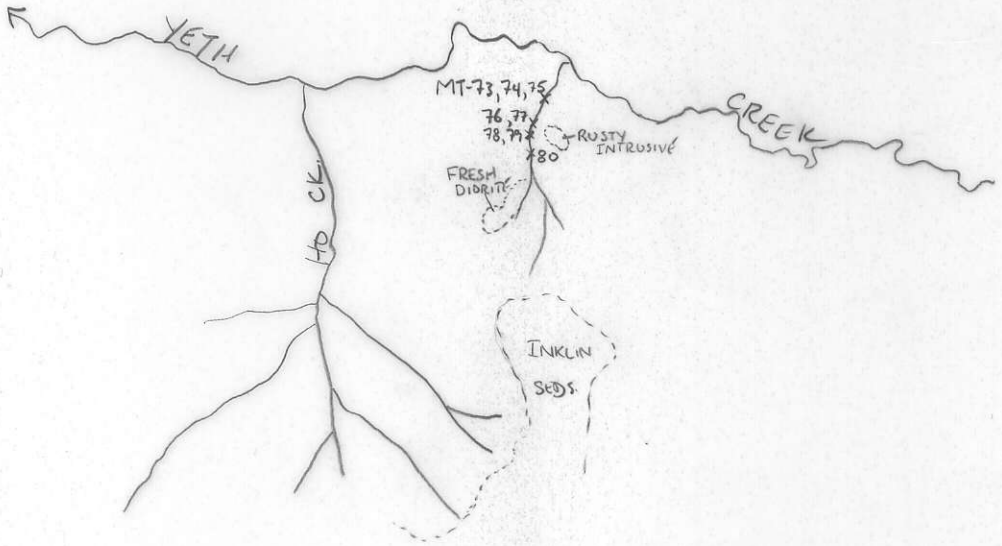
SANDSTONE SILTSTONE | CONGLOMERATE | VOLCANIC | CHERT | SHALE | LIMESTONE DOLOMITE | INTRUSIVE | GOSSAN, MINERALS

SILT X SOIL ● ROCK ■ PAN △ WATER ○

SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED- - - ASSUMED.....

N



X ROCK SAMPLE.

GEOCHEM: Cu Mo Pb Zn U W ASSAY:

CHEVRON MINERALS —— DAILY TRAVERSE REPORT

M. THICKE WEST OF HO CK. JUNE 23/83

TODAY WILL BE SPENT MAPPING & SAMPLING SOME OF THE RHYL WEST OF HO CK LOOKING FOR POSSIBLY CONTACTS BETWEEN INTRUSIVES & INKLIN SEDS.

MT3TI-81 TALUS.

RUSTY WEATHERING PYRITIFEROUS Q3-FP-TT. LIGHT GRAY ON FRESH SURFACE. POSSIBLY MINOR CLAY ALTN TO FP. PY AS DISSEM & ~~FRACTS~~ IN FRAC'S UP TO 1%. SLICKENSIDES WERE OBSERVED IN SOME OF TALUS.

MT3TI-82 TALUS.

RUSTY WEATHERING Q3 VEIN ? OR PERHAPS Q3 STOCKWORK REPLACING

Q3-FP-?? PY + AT LEAST ONE OTHER SULPHIDE AS STRINGERS, VNLT & DISSEM TO 3-5%. SOME OF THE SAMPLE RESEMBLED A "MORE" JUICY #81. TAKEN IN SAME LOCATION AS #81. THIS ROCK HAS A HEAVY, DENSE FEEL TO IT, NOT ABUNDANT IN TALUS. FROM GOUGE ZONE #83. ALSO CONTAINS DO.

MT.3TI-83

SAMPLE OF GOUGE MATERIAL NOT UNLIKE SOME AT BEAR. THIS IS WHERE #82 CAME FROM. GOUGE CONTAINS LOTS OF MEDIUM-GREY SULPHIDE-LOOKING MATERIAL. UNKNOWN WIDTH BUT POSSIBLE ATTITUDE IS 009/60E. STRIKE FOR 10m. MIKE GRAY TOOK A SOIL SAMPLE OF RUSTY GOUGE MATERIAL FOR COMPARISON.

MT3TI-84 O/C.

TAKEN AT LAST YEARS MT2TI-180.
THIS IS LIKELY A RHYLITIC FLOW BUT POSSIBLY IS A BRECCIA. THE "FRAGMENTS" MAY BE WELDED & ALT° IFP THOUGH ANY ~~ARE~~ ALIGNMENT IS CRUDE AT BEST. THESE MAY POSSIBLY BE Q3-FP-TI FRAGS THAT ARE CLAY ALT°.
THE MATRIX IS A DARK GREY RHYL (CHALCEDONIC ??) CONTAINING DISSEM PY UP TO 1%. THE WEATHERED SURFACE IS BUFF.

THIS "ZONE" OF RHYOLITE VARIES IN COLOUR ~~AND~~ FROM LIGHT TO DARK GREY. IN THE LIGHT VARIETY DEFINITE Q3 EYES CAN BE SEEN. LAST YEAR NONE OF THE RHYL SAMPLED RAN AU NOR DID ANY SOIL SAMPLES TAKEN IN THE AREA.

THIS ZONE OR DYKE OF RHYL APPEARS TO TREND NNW (165°) & IS FAIRLY WELL FRACTURED.

THE IDEA NOW WILL BE TO FOLLOW THE RHYL SOUTH AND TRY AND TRACE IT INTO INKLIN SEDS.

THIS ZONE OF RHYL IS PERHAPS UP TO 50M WIDE.

M. Thiche HO Ck West June 23/83.

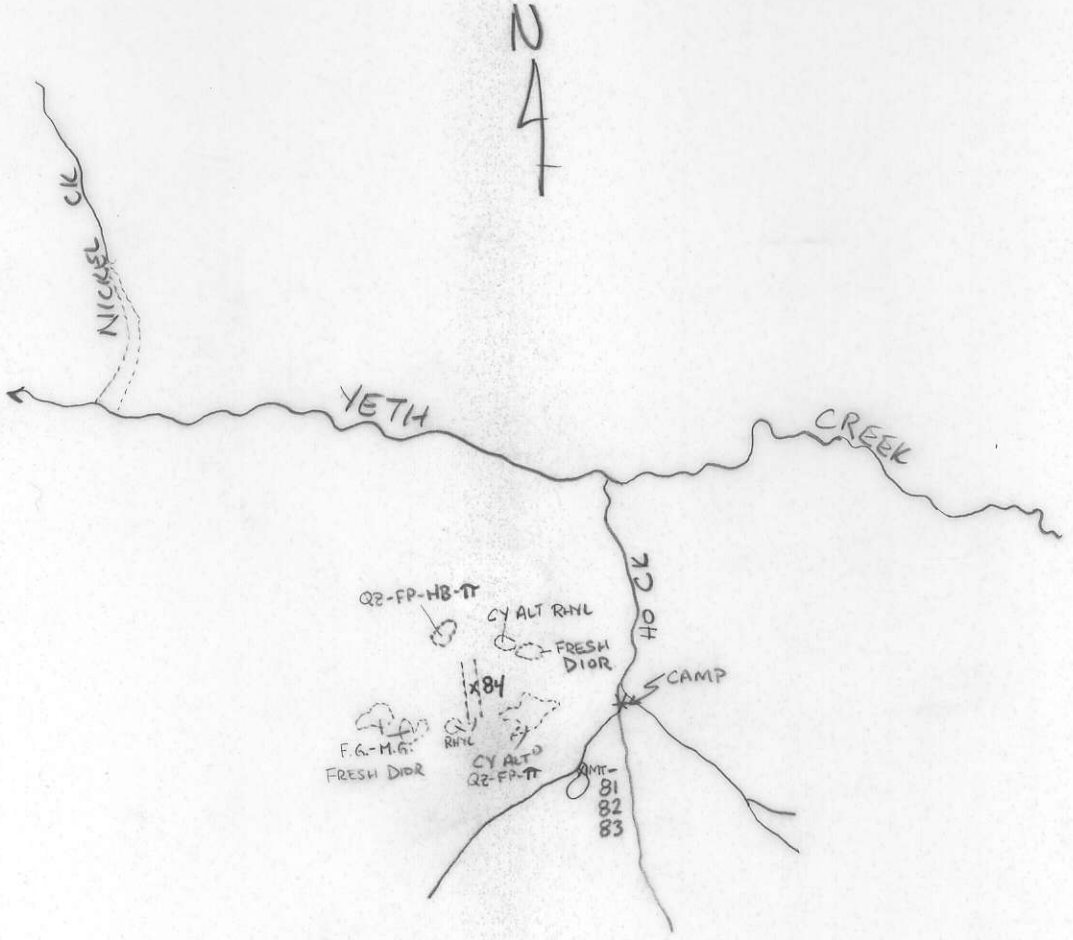
Today Mike & myself began prospecting up a northeast flowing tributary of HO Ck that entered HO Ck at camp. The object today was to get to the rhyolites found last year & try to follow them into Tinklin Beds.

In the tributary of HO Ck we found a gorge zone that was dirt bagged & collected as a rock sample. This fault zone material contained sulphides - at least py & possibly stibnite - some very dark grey, fine grained material. A rock sample containing QZ-DO-PY ± other sulphides was also collected from the gorge zone area. This material can be traced for only ~10m along strike - it is at least 1m wide. This gorge is perhaps the juiciest material we've found yet in the HO Ck area.

A dark rhyolite "flow" or "breccia" was sampled in the same location as MT2T1-180. This is a very juicy looking rock, also very pyritic - last years sample didn't run though.

We were unsuccessful in tracing the rhyolite into Tinklin rocks mostly due to overburden. Other types of intrusives located were QZ-FP-PT in variously clay altered stages; a fresh f.g. to m.g. diorite & various light & dark phases of the rhyolite. In this area of HO Ck I don't think ~~potential~~ there is much chance for significant alteration of Tinklin beds. I think the Rocky hope lies in HO Ck gorge at & below the waterfall & in the area west of this for ~700m. Tomorrow will be spent prospecting HO Ck then we'll have to wait on the geochem!

Project M504	NTS 104K	Scale 30,000	Page of	Traverse 4
Sampler M. Thicke	Location, Target (words) HO CK (WEST)		Sample Nos MT3T1-81 to 84	
Date JUNE 23/83	photo no. BC5615 235		Cert. Nos	



X ROCK SAMPLE

GEOCHEM: Cu Mo Pb Zn U W ASSAY:

DON'T FORGET CONTOURS, DRAINAGE, NORTH ARROW, LAT/LONG, SAMPLE SITES, WORKINGS, TRAILS, GOSSANS, OBSERVED GEOLOGY: DEFINED —— INFERRED- - - ASSUMED.....

SPECIMEN SITE A,B,...; DO NOT WRITE ON OTHER SIDE OR USE COLOURS

VOLCANIC CONGLOMERATE SANDSTONE SILTSTONE

SILT X SOIL ● ROCK ■ PAN △ WATER ○

INTRUSIVE LIMESTONE DOLOMITE SHALE CHERT

GOSSAN, MINERALS

BCL 6662d-CSM ATTITUDES (~100/40 N)

M. Thiche HO CK JUNE 24/83.

PROSPECTING HO CK.

SAMPLES COLLECTED TODAY WERE TAKEN UNDER MIKE GRAYS NOS.

BELOW THE FALLS THE PIPE ZONE BRECCIA IS ABSENT ACCEPT FOR BOULDERS IN THE CK. Q3-FP-T DYKES (SILLS IN SOME CASES) CUT FOLDED INKLIN SDST & SILT. MINOR RUSTY PODS OR EGGS OF PYRITE (± OTHER SULPHIDES) CAN BE SEEN IN THE INKLIN, HOWEVER THESE ARE NOT EXTENSIVE; THEY MAY BE CAUSED BY THE TERTIARY DYKES ?? MOSTLY THESE DYKES HAVE LEFT INKLIN SEDS UNALTERED FOR THE MOST PART. UP ABOVE THE FALLS A DYKE TRENDING ~110° CAN BE SEEN CUTTING THE BRECCIA. THIS LATE

STAGE DYKE HAD NO ALTERING EFFECTS ON THE BRXX.
SEDS APPEAR TO STRIKE APPROX 110° & DIP SHALLOWLY TO STEEPLY SW.

TYPES OF BRXX:

① BLACK MATRIX WITH LARGE PREDOMINANTLY CLAY ALT° Q3-FP-TT FRAGS.

② DARK GREY MATRIX WITH SILT, CLAY ALT° (LIGHT BROWNISH ALT~ AS WELL) TT & PYRITIZED TT FRAGS.

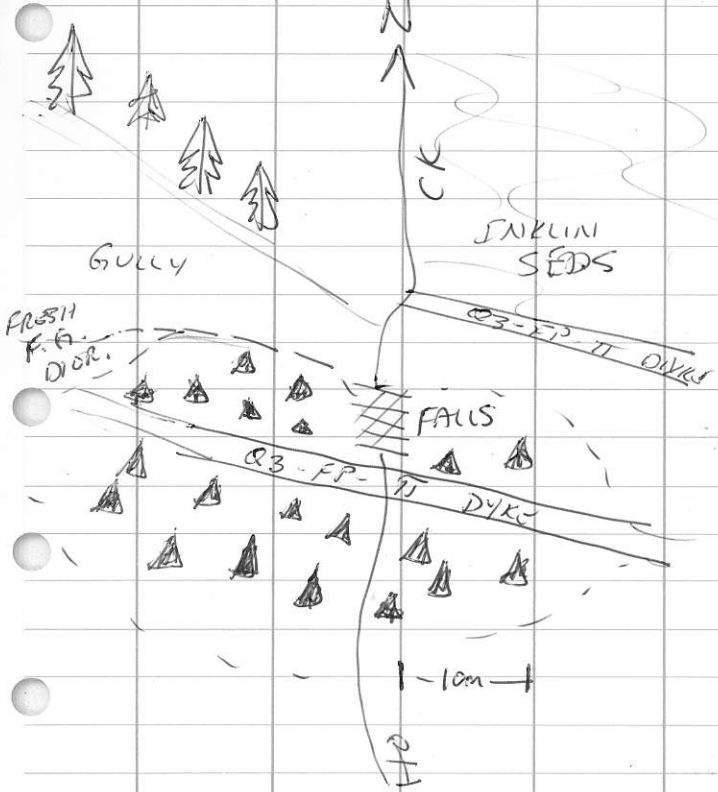
③ LIGHT GRAY MATRIX WITH EITHER MORE SILT FRAGS OR MORE Q3-FP-TT FRAGS.

PY VARIES IN AMOUNT IN MX - MAY NOT BE PRESENT AT ALL. SOMETIMES >1% ??

* NOTE POSSIBLE FUCHSITE IN

MGBTI - 73 - CAN BE SEEN IN CLAY ALT° Q3-FP-II.

- FLOW TEXTURES (WELDED) CAN ALSO BE SEEN IN SOME BRXX



M. Thiche — HO CK PROSPECT — June 24/83.

The day was spent prospecting below the falls of HO creek down to Yeth CK. Samples were collected under Mike Gray's no's.

Breccia material appears to outcrop at & just above the falls. Various qz-fp-π dykes intrude breccia but have little alteration effect. Turkish sandstones & siltstones below the falls are not effected by the dykes.

The breccia mainly contains siltstone fragment and at least on type of volcanic rock fragment. Qz-fp-π rock fragments are generally clay altered & contain a light-dull green alteration as well. Another volcanic rock fragment (possibly sandstone??) contains abundant dissem. pyrite. Siltstone frags rarely contain pyrite. A greenish fuchsite-looking mineral can also be seen usually associated with volcanic rock frags.

frags round to angular may be up to boulder size.

The matrix of the breccia can be light grey to black. It's usually soft & may be lightly silicified at times. Pyrite can be disseminated in the matrix up to 1%. Minor quartz-carbonate veins intrude the breccia.

Flow textures can also be observed in some of the breccia material. The fragments within these flows are often welded (elongated?) & slightly aligned.

Porphyritic ~~qz~~ rhyolites & rhyolite breccias (??) can be observed fairly abundantly from about ½-way between the falls & Yeth CK to Yeth CK. These rhyolites come from the cliffs just to the west of HO CK. Feldspars are often clay altered as are some of the fragments. Pyrite can be dissem & in stringers up to 0.5%. These are generally juicy looking but are

had negative results last year.

There likely is a breccia-pipe zone in HO CK (waterfall area). A source of silica & a "motor" to drive a hydrothermal system can be found ~~out~~ in the rhyolites to the west of HO CK. Unfortunately silicification of the breccias appeared minimal. Fluorite could indicate the presence of high angled structures, ie Nahlin Fault, nearby - these could help focus solutions.

?? why little or no silicification formed?

i) - maybe just breccia phase with no subsequent "juicing" or silicification - pyritiz" - rebrecciation phases.

ii) - perhaps system has pretty well eroded away.

** Probe & do ICP multi-element analysis on a few of the breccias & maybe a couple of the rhyolites.