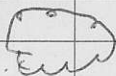


HO-HUM

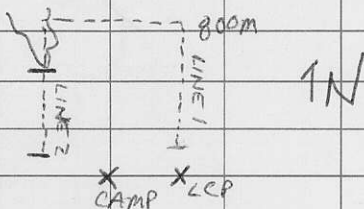
11 JUNE 1984



with showers and sunny periods

WORK: SOIL LINES (N/S)

840682



- samples spaced every 50m, no slope correction
- line 1 follows HO-HUM N/S commonline

ROCK SAMPLES:

MG4T1-31 (at MG4T2-7) talus

Dark grey ~~volcanic rock~~

Limestone (?) - fizzes in HCl

- weathers light grey, some lim staining
- < 1% blebs of goldy pyrite
- quite hard.

MG4T1-32 (by MG4T2-17 (talus))

PAGE
2

- Greywacke (?), cooked up hard - rusty rock.
- layering v. clean on grey fresh surface
- has small calcite, and pyrite (sulphide) stringers.

MG4T1-33 (120m E of 32) talus

- Gossanous yellow-brown rock, possibly a juicy rhyolite.
- jarosite & limonite staining
- small (2mm) veins of sulphides in the occasional piece of rock
- Fp appear partially clay-altered
- has black layers and inclusions, which have Fp's in the layers-bands
- o.c. appears to be 75m up talus sheet, looks like a 2m wide zone.



GEOCHEMICAL SAMPLE DATA SHEET

NAME: M. GRAY		DATE: 11 June 1984		MAP: 104 K - Tulsequah				
PARTNER: —		PROJECT: M504		TRAVERSE NO.: /				
LOCATION: LINE 0 W (follow CL South)		PHOTO NO.:						
SAMPLE NO.:	LOCATION	HRN	CLR	TEX	SLP	ORG	PHY	COMMENTS
MG4T2-1	0 (roughly 70m from CL)	2	1	2	-	-	4	from side of bank/bench
2	50 S	1/2	3	2	-	2		quite messy
3	100 S	1	3	2	-	2		messy with wood chips
4	150 S	1	3	2	-	2		" " " " (terrible)
5	200 S	3	1	3/4	1	-		ryholite chips in soil
6	250 S	3	1	3/4	-	-		" " " "
7	300 S	2	1	3	-	-		lots of roots (location of MG4T1-31)
8	350 S	2	1	3/4	-	1		some rock chips mixed in
9	400 S	2	1	3/4	-	-		old talus slope, now alder slide
10	450 S	2	1	3/4	-	-		" " " " " "
11	500 S	2	1	3/4	-	-		" " " " " "
12	550 S	2	1	3/4	-	-		" " " " " "
13	600 S	2	1	3/4	-	1		Poor amt. of soil
14	650 S	2	1	3/4	-	-		talus shoot, slope
15	700 S	2	1	3/4	-	-		" " " "
16	750 S	2	1	3/4	-	-		side of sheet, grassy (by ID Post)
17	800 S	2	1	2/3	-	1		" " " " (by MG4T1-31)
18	850 S	2	1	3	-	-		by Sst Ridge (?)
19	600 S	3	1	3/4	-	-		Devils Clud, Yuk
20	550 S	2	1	3/4	-	1		Alder talus slope.
21	500 S	1	1/3	2	-	2		" " " "
22	450 S	2	1	3/4	-	1		" " " "
23	400 S	1	3	2	-	2		" " " "
24	350 S	1	3	1/2	-	2		" " " " v. poor soil
25	300 S	1	3	1/2	-	2		" " " " " "
26	250 S	1	3	1/2	-	2		" " " " " "
27	200 S	1	3	1/2	1	2		terrible soil
28	150 S	1/2	1/3	2/3	-	2	✓	" " " " , large Rx

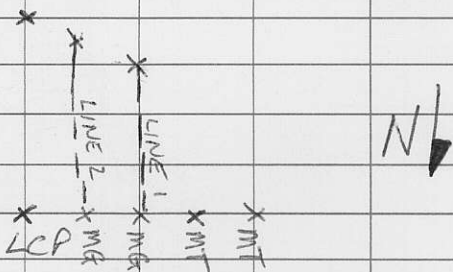
HO/HUM

12 JUNE 84

☁ overcast c short showers

WORK: Soil sampling lines N/S
100m W and 200m W of
LCP.

- spacing 50m, no slope
correction.



- No rock samples taken



GEOCHEMICAL SAMPLE DATA SHEET

NAME: M. GRAY		DATE: 12 JUNE 84		MAP: 104K (Tulsequah)				
PARTNER: —		PROJECT: m504		TRAVERSE NO.: 2				
LOCATION: Hum CLAIMS (N facing slope)		PHOTO NO.:						
SAMPLE NO.:	LOCATION	HRN	CLR	TEX	SLP	ORG	PHY	COMMENTS
MG4TZ-34	200m w of LCP	2	1	3	—	—	4	Bench s of Yeth Creek
35	50S	2	1	3/4	—	1		many rock chips
36	100S	2	1	3	—	—		w side, top of crk bank
37	150S	2	1	3/4	—	1		" " " " " "
38	200S	2	1	3/4	—	1		" " " " " " / large rocks
39	250S	2	1	3	—	—		10m w of bank top
40	300S	2	1	3	—	—		" " " "
41	350S	2	1	3	—	—		20m " " "
42	400S	2	3/1	3	—	1		POORLY DEVEL SOIL, TOP OF CRK BANK, OLD TALUS SLP.
43	400S	2	1	3/4	—	—		50m E on E side of crk bank.
44	450S	2	1/3	3	—	1		20m off of slide/crk junction
45	500S	2	1/5	3	—	—		10m w of slide
46	550S	2	5	3/4	—	—		30m w of slide
47	600S	2	1/3	3/4	—	1		old talus slope
48	650S	2	1	3	—	—		at intro(?) o.c.
49	100m w of LCP 700S	2	1	3/4	—	1		on talus boulder ridge (no flag)
50	650S	3	1	3	—	—		" " " "
51	600S	3	1/3	3/4	—	1		" " " "
52	550S	1	3	1/2	—	2		ORGANICS
53	500S	1	1	2	—	2		mossy and wood mixed in
54	450S	2	1	3/4	—	1		—
55	400S	2	1	3	—	—		side of slide
56	350S	3	1	4	1	—		old talus slope
57	250S	2	1/3	3	—	1		— 100 m space (FROZEN SOIL)
58	200S	3	1	3	—	—		—
59	150S	3	1	3	—	—		—
60	100S	1	1/2	2/3	—	2		Poor mossy soil
61	50S	2	1	3	—	—		—
62	0S	2	1/3	3	—	—		— bench by Yeth Crk

HUM CREEK

13th JUNE '84

WEATHER: COOL & CLOUDY

PARTNER: M. THICKE

WORK: Prospecting traverse up Hum Creek. Day was spent inspecting the Inklin sediments, (shale & greywacke), and the effects of some minor intrusions on them. The sediments were unaltered, except in small areas where faults (?) have blasted thru. The $012^{\circ}/22^{\circ}W$ attitude of the interlayered sediments appeared to be consistent all the way up the creek except where bedding was obscured by minor alteration, limonitic and clay, of the greywacke. Near the top of the sediments, near treeline, rhyolite outcrops (dome?) appear, but don't appear to effect the sediments much with silica, or mineralization.

Highlight of the day: M. THICKE found a vein-breccia ~ 30cm wide, that looked quite encouraging. Seemed to be volcanic, and have some Inklin caught up in it.

Samples: Included

- 1) Carbon rich Shale
- 2) Lithic Tuff
- 3) Chert (?)
- 4) Siltstone
- 5) Rhyolite
- 6) Volcanic Flow?
- 7) unaltered greywacke
- 8) Vein-breccia

Total Samples: 8 rocks

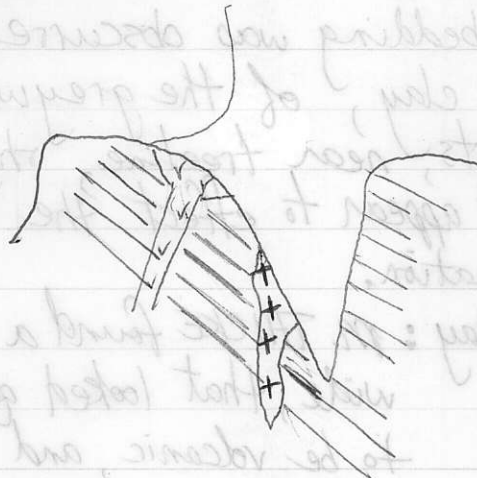
13th JUNE '84

HUM CREEK

WEATHER: COOL & CLOUDY

PARTNER: M. THICKE

Work: Prospecting traverses up Hum Creek. Day was spent inspecting the Tullin sediments, (shale & greywacke), and the effects of some minor intrusions on them. The sediments were weathered, except in small areas where faults (?) have blasted them. The $015^{\circ}/22^{\circ}$ N attitude of the interlayered sediments appeared to be consistent all the way up the creek except where bedding was obscured by minor alteration (mineralite and clay) of the greywacke. Near the top of the sediments layer, the phylite outcrops (dome?) appear, but don't appear to be related to the sediments much with



little of the day: I found a vein-precipitate ~ 30cm wide that looked quite encouraging. Seemed to be volcanic, and have some Tullin caught up in it.

- Samples: Included
- 1) Carbon rich shale
 - 2) Lithic Tuff
 - 3) Chert (?)
 - 4) Siltstone
 - 5) Phylite
 - 6) Volcanic Flow?
 - 7) weathered greywacke
 - 8) Vein-precipitate

Total Samples: 8 rocks

ΔMG4T1-63

Float

- carbon rich shale, black fresh surface
- has a good parting
- has sm. calcite stringers
- no vis. sulphides

ΔMG4T1-64

outcrop

- lithic tuff
- brown limonitic weathered sur.
- grey-blue fresh
- finely diss. pyrite $< \frac{1}{2}\%$
- possible inklin fragments, included.
- min 25m o.c. on E side of creek, unaltered inklin seds on west side

Δ MG4T1-65

float

- Inklin siltstone, (black)
- black fresh surface
- small 2-3mm calcite veins
- pyrite (tarnished)
- veins limonite stained

 Δ MG4T1-66

float

- Rhyolite (?), with inklin inclusions?
- weathers dull brown
- $< \frac{1}{2}$ % diss pyrite
- possible fault cuts creek at this location (050°)

Δ MG4T1-67

float

- Chert?
- microcrystalline grey-white quartz
- small black stringers possibly pyrite (?)
- fresh med. grey
- weathers bluey grey
- has sm. calcite stringers (wh) up to 2mm

→ Inklin Sst $012^{\circ}/22^{\circ}$ W
bedding

↑
↓ same location
float

 Δ MG4T1-68

- volcanic flow?
- dark grey groundmass, with Fp phenocrysts, and some Inklin fragments
- brown-rusty weathering
- < 1% fine sulphides diss

- has volc. frags up to 2cm
- strong lm alteration of some frags.

Δ MG4T1-69 (same location as 68) outcrop

- Inklin Greywacke
- unaltered
- med to coarse grained
- poss. silt clasts included
- light grey weathered surface

Δ MG4T1-70 () outcrop

- vein - bx (?)
- ~ 30 cm wide, dull rusty
- (148/60E) min. 5m
- dark grey matrix
- fragments include; siltstone, angular, < 4 mm
- frothy weathered, box worked x-pyrite

HO/HUM - CHIN CREEK

14 JUNE
1984

PARTNER: MIKE THICKE

WEATHER: CLOUDY ☽ SHOWERS

WORK: Prospecting traverse up CHIN CREEK. M. THICKE was mapping the geology, while I prospected and took talus fines from offshoots. The Inklin greywacke and siltstone were sampled at the contact areas of intrusions, and anytime they looked altered at all. No silicification was seen.

See M. THICKE'S NOTES FOR INTERPRETATION OF FOLDED INKLIN SEDIMENTS.

- Also finished flagging from HO/HUM commonline³⁵ to the cliffs.

- Rocks: 76 - Porphyry Rhyolite } 5 talus from camp
77 - Gossan }
78 - Band Flow (Rhyolite?) } Yeth Cr.

Total Samples: 5 talus fines
3 rocks

HO-HUM

14 JUNE
1984

Rock Samples:

ΔMG4T1-76

talus

in shoot, just east of 2S
common line post.

- Porphyritic dike
- light grey - white ground mass, with 20% phenocrysts up to 3mm wide - phenos are chl(?) altered and have a radiating acicular habit; zeolites?
- have dendritic pyroilite near many phenocrysts.

△ MG4T1-77 (Yeth Cr.) float

- gossanous rock - possibly an x-rhyolite or pinkish intrusion
- highly altered and frac., c
lim-hem-jar staining
- ~ 1% pyrite, euhedral

△ MG4T1-78 (Yeth Cr.) float

- Silica vein or Rhyolite
- rusty weathering
- seems banded, having layers of dark grey - sulphide rich, and v light grey c diss. sulphides.
- jarosite - yellow alteration on fresh surface
- ~ 1% silvery grey fine sulphides, + < .5% pyrite in a seam (toward Nicolite color.)



GEOCHEMICAL SAMPLE DATA SHEET

NAME: MICHAEL GRAY		DATE: 15 JUNE		MAP: 104 K (Tulsequah)				
PARTNER: —		PROJECT: M504		TRAVERSE NO.: MG-				
LOCATION: HUM CLAIMS		PHOTO NO.:						
SAMPLE NO.:	LOCATION	HRN	CLR	TEX	SLP	ORG	PHY	COMMENTS
MG4T2-79	1500 m S of Yeth Cr. Bench	2	1	3	-	-	4	Frozen soil, nice provincial forest
80	1550 S	2	1	3	-	-	4	" " " "
81	1500 S	2	1	3	1	1	4	" " " "
82	1450 S	2	1	3	-	-	4	intrusive chips(?)
83	1400 S	2	1	3	-	-	4	rusty chips
84	1350 S	2	1	3	-	1	4	greywacke talus
85	1300 S	2	1	3	-	-	4	—
86	1250 S	2	1	3	1/2	-	4	frozen soil
87	1200 S	2/3	1	3/4	-	1	4	old talus slope
88	1150 S	2/3	1	3	1/2	2	4	" " " with greywacke
89	1100 S	2	1	3	+	1	4	" " " "
90	1050 S	2/3	1	3	+	1	4	" " " "
91	1000 S	2/3	1	3	+	1	4	" " " "
92	950 S	1/2	3	1/2	-	2	4	Poor organic soil (greywacke skree)
93	900 S	2	1	3	-	-	4	excellant soil
94	850 S	2	1	3/4	-	-	4	rusty rock chips
95	800 S	2	1	3	-	-	4	good soil, good comment
96	750 S	2/3	1	3/4	-	1	4	mixed talus
97	700 S	2/3	1	3/4	-	1	4	talus knob (greywacke)
98	650 S	2/3	1	3/4	-	1	4	talus covered in moss
99	600 S	2/3	1	3/4	-	1	4	" " " "
100	550 S	3	3	3/4	-	1	4	bad soil
101	500 S	2	1	3/4	-	1	4	—
102	450 S	2	1	3	-	1	4	good soil
103	400 S	2/3	1/2	3	-	1	4	frozen soil
104	350 S	2	1	3/4	-	-	4	—
105	300 S	2/3	1	3/4	-	-	4	—



GEOCHEMICAL SAMPLE DATA SHEET

NAME: M. GRAY		DATE: 16 JUNE/84		MAP: 104K (Tulsequah)				
PARTNER: —		PROJECT: M504		TRAVERSE NO.: MG-6				
LOCATION: HUM CLAIMS		PHOTO NO.: BC5615-235						
SAMPLE NO.:	LOCATION	HRN	CLR	TEX	SLP	ORG	PHY	COMMENTS
MG4T2-111	~300m E of Fly camp gravel bar.	2	1	3	—	1	4	Yeth creek bench
112	50m South	1/2	5	2	—	1		—
113	100 S	1	3/5	2	—	2		— messy
114	150 S	3	1	3/4	—	1		036° Inclin greywacke scarp
115	200 S	2	1	2/3	—	1		—
116	250 S	2	1	3	—	—		small knob
117	300 S	2	1	2/3	—	—		—
118	350 S	3	1	3/4	—	—		—
119	400 S	2	1	3	—	—		—
120	450 S	2	1	3	—	—		—
121	500 S	2	1	3	—	—		—
122	550 S	2	1	3	—	1		—
123	600 S	2	1	3	—	—		—
124	650 S	2	1	3	—	—		—
125	700 S	2	1	3	—	—		—
126	750 S	2	1	3	—	—		—
127	800 S	2	1	3	—	—		w of slight open patch
128	850 S LINE 2	2	1	2	—	—		—
129	800 S 200m E of Fly camp	2	1	3	—	—		—
130	750 S	2	1	3/4	—	1		grey w. moss covered talus
131	700 S	2	1	3	—	1		frozen
132	650 S	3	5	3/4	—	—		Alders
133	600 S	2	1/5	3	—	—		—
134	550 S	2	1	3	—	—		—
135	500 S	1/2	1/3	2	—	1		Peaty Soil
136	450 S	1	1	2	—	2		Woody layer
137	400 S	2	1	3/4	—	—		—

HO/HUM - GOAT

17th JUNE
1984

WEATHER: OVERCAST WITH A DRIZZLE
PARTNER: M. THICKE & GODFREY WALTON

WORK: BREAK-DOWN FLY-CAMP IN THE MORNING, THEN WENT ON A SHORT TRAVERSE W OF HO CREEK, ABOVE TREELINE. THE SIDEHILLING WAS MEANT TO SHOW GODFREY THE HI-LIGHTS OF ^{THE} HO-HUM CLAIMS. WE SAW THE JURASSIC INTRUSIONS, RHYOLITE DOME(?) OUTCROPS, AND THE DARKISH SILICA ~~BRECCIA~~ (VEIN).

THE VEIN(?) APPEARS TO CUT AND BRECCIATE THE RHYOLITE DIKE/DOME OUTCROP, ALTHOUGH IT WAS SAMPLED IN '83, WAS SAMPLED AGAIN UPSLOPE. (SEE ROCK DESCRIPTION NOTES)

→ ALSO TOED-IN TO THE YELLOWY-GRAY OUTCROPS ON THE EAST SIDE OF NICKEL CREEK, WHERE ROCKS WERE BAGGED IN 2 LOCATIONS. - SEE MT'S NOTES.

TOTAL SAMPLES: 2 ROCKS

HO/HUM CLAIMS 17th JUNE
1984

Δ MG4T1-146

tales

- hornfels sed? , or fine grained intrusion.
- rusty weathering
- 1% diss silvery gray sulphides & small 1-2mm pyrite veins.
- pyrrhotite, as sl. magnetic.
- quite hard

Δ MG4T1-147

outcrop

(small knob)

- intrusive dyke? ; clay altered Fp.
- has small 2mm-20mm chalcocite like veins (roughly 116°/15°NE)
- veins have small fragments and minor diss. sulphides
- outcrop, 4x2m