676269

June 27 /96

ENDAKO TOUR - Glen Johnson

- mapping dykes (pre ore) to get tectonic story
- Dave Selby U of A isotopes alteration history.

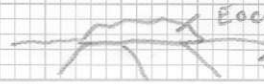
Eocene epithermal overprint related to dykes

- Ootsa Vol. rhy, qz latite c̄ Py, Ser alt.
- structure developed by Jurassic compression → transtension

- repeated opening, closing → ribboned veins
- Eocene alt remob Mo Bi, Pb assoc c̄ Eocene.
- perv kaol. is Eocene
- primary controls structural.

ENDAKO - ves + amy basalt
Ootsa - rhy, qz latite basalt qz andesite

FRANCOIS INT.
HAZELTON
QZ DIORITE (Gneissic)



Don MacIntyre

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF
METRIC FIELD

NITHI MTN - offset from Endako on Casey Fault

Nithi higher level than Endako

Basin + Range type structure

Casey Fault - 300' wide
QFP dykes
Eocene rocks
cut by Fault.

line of Mo anomalies going NW

Nevada style structure model

Chilean model

600 Ft offset, post mineral

NW SE

Endako 1000' lower than Nithi MTN

SECT 7100

SW NE

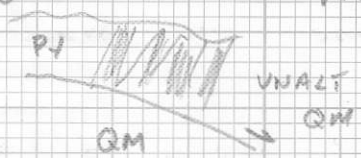


Photo - West Pit Fault.
offset 300'

QFP dykes
offset by metric faults.

illite - mont - smectite assoc
E West Basalt Fault
W end of pit - Eocene alt'n
(photo to W - light coloured area.)

10 yrs .126 MoS_2 10 MT.
remaining reserves

? is min really Jurassic?
or Cret or Eocene

- W Basalt fault offsets
Denak from Endako.
Basalts = ootsa?
MIN - veinlets + frac surf.

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DURSBAK WATERPROOF

METRIC FIELD

later fracturing → chalcedonic qz, argillic alt'n + Mo remob superimposed on earlier Mo min. Younger event believed to be Eocene. f.gr. dark MoS_2 after c.gr. MoS_2 flakes.

Don	Bert
Paul S.	Joe ?
Vic L.	Bob
Steve C.	Carmel
Larry D.	
Paul M.	Mel?
	Randy?

9+

Field trip - Thursday
Talks - Wed 11:00am

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DURABAK WATERPROOF

METRIC FIELD

Mac Property June 28/96

Photo - Road

Drill core - qz-ser alt qz-bt
- granodior, tic ? - light coloured
- qz-vein stockwork
- 1cm qz veins cut by narrow MoS2 veinlets
- also qz veins cutting Mo veins
- possibly QFP
- Py in hornfels @ int contact

QZ veins dip SE
2 sets @ 90° to each other
QMP contact steep.
2 phase - 1 has more qz eye
DDH BG-1 120m .062 Mo
drilled from center of stock
2m .111 Mo

ENDAKO cut .04 Mo
.06 MoS2

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DURABAK WATERPROOF

METRIC FIELD

fol in vole NW / steep
min parallels fol.

Pj - hornfels → high chargeability

95-15
196m .075 Mo
.172 Cu

leucocratic qmz

fractures, veinlets, dissem.

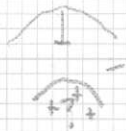
high F rock ?

numerous faults in core

- QZ DIORITE border phase of stock.
- sample for age dating from "border" phase of stock
- alt zone 75-100m wide around int.
- potassic alt in stockwork near qd contact

- qd has fresh biotite and remnant hb
- Cu higher on E side of stock
- Strong MoS2 in silica rich zones (e.gr. qz)
  semi banded MoS2
  Some cp cp veinlets
  up to .6 % Mo over 2 m.
- QZ sweats in Cache Creek vole
- Some lst on property
- py on fract in horn-fels

Peak zone
IP high, qz veins
coincident geochem
looking for int at depth
150 m wide bt-py hornfels

95-13  - bt-py hornfels
Some qz-mo vein?

R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSBAK WATERPROOF

METRIC FIELD

July 23

Babine traverse with Joe

Photo 86048-27

- end of 2100 road off West Main
- °/c ridge on NW edge of clearcut

PWO-96-1 edge of clearcut

GPS 658962 (E)

6111644 (N)

El. 1120 m.

Rhyolite bx - pinkish white, very angular Δ's, no reworking. mainly mono-lithic, sporadic grey, dk brown frags.

- appears aphanitic, but weathers into matrix, dif. to see fresh rk.
- massive, no layering, bedding ~~or~~ jointing. 170/75W
- flow banded Δ's.

PWO 96-2

658933

6111837 1130 m el.

North end of ridge, 50m bluff of °/c.

- Δ's 1-3cm size, max 4-5cm
  - similar blocky weathering rhy. bx.
  - rare frags hint of flow banding in pink Δ's.
  - no phenos.

  - matrix is med. gray to dk. pinkish brown.
  - local mtx alt^{n} to green chlorite(?).

PWO-96-1A
float with silicification
- epithermal style min.
- fine vuggy silica veins
- open space between frags lined with Qtz crystals,

PWO-96-3

Base of rock bluff, south ~~at~~ of clearcut. (~1030m)

Flow layering 147/50 SW

- ~~im~~ streaky pink-brown rhy. with plag laths (sample)
- overlies blocky rhy bx,

- irregular contact ~~on~~ of fdsp ~~&~~ phyric rhy flow overlying rhy bx.

- flowbanded passes upward to msv, strongly jointed @ 005°/62°W, (Sample 3A)

- 1080m top of % knoll.
  Jnt 135°/80 NE
- 5% fdsp xtls.
- Strong jointing on flank of hill, massive on top.
- pinkish-grey rhy.
- hematite on weathered surfaces
- ~~matrix~~ fresh surfaces - red (hematite) and green (clay?) colour

- fdsp phenos typically 2mm size, variable percentage, sparse to 10%.

- 100-200 m @ ~ 200° along ridge.
  - pale grey aphanitic rhyolite breccia.
  - mtx is defined by red-iron stain.
  - qtz crystals line ~~the~~ interstices between fragments.

PWO-96-4

- Grades to streaky white-pink rhyo, aphanitic, ~~w~~ white, with abundant red hematite

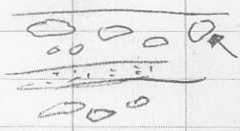
Streaky layering 090/70°N
└ flow banding?

Most of sparsely treed ridge is underlain by % of hematite streaked white rhyolite

South end of 200° ridge.
659063 1115 m elev.
6110033
5 satellite GPS

PWO 96-5 Drop off toward gully.

Bds 037/30 NE
- well layered rhy bx.
- subrounded Δ's
- alignment of Δ's



- re-worked
~4cm max

- ~~the~~ fdsp phenos in frags.

All next knob is heterolithic rhy bx.

- no more evidence of bedding
- heterolithic
- some Δ's are pink, others are pale green, ~~cat~~ montmorillonite? alteration.

- pale green matrix alteration.
- sample

No. 314

TRAV1 HEARNE HILL 93M1

DATE July 4, 1996 TRAVERSE 1 PAGE [ ]

STN/SUB 1 TYPE TRENCH ELEV 1220 (1195) MAP 1 ... ROCK VOLC
MIN PY, CP ALT MET HORN FOSS
NOTES

GPS 673130 6118440 NAD27 (Gord's GPS)
673003 6118683 NAD83 (our GPS)
f.g. dark grey alt'd volc exposed in trench
py, cp on fractures; rusty, blocky weath
hom felsed volc dissem py, tr cp 2-5%
some mag.
≈ 100m down road from 96-44

TYPE	S/A	D/P	DIR	REMARKS
F	182	68	E	15 CM

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB	TYPE	ELEV	MAP	ROCK
MIN	ALT	MET		FOSS

NOTES

DDH 96-43 673542 6118479 NAD83
673673 6118301 NAD27

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 2 TYPE o/c ELEV (1230) 1255 MAP 1M5X ROCK VOLC
MIN py ALT MET HORN FOSS
NOTES

small o/c on old expl. road
mass grey volc? may be hornfelsed,
hard, dense rock, trace of f.g. dissem
py, rusty fractures
very hard, looks sil a few 100 m down
road at T junction c̄ new road to trench

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 3 TYPE SUB ELEV MAP 1M5V ROCK
MIN SPEC ALT MET FOSS
NOTES
673608E 61 189 30N NAD 27

- subcrop in new trench next to swamp
- specular hematite in QZ veins
- abundant float in trench, no bedrock
- possible sphalerite

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [✓]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 4 TYPE O/C ELEV 1260 MAP 93M1 ROCK VOLC
MIN PY, spec ALT MET FOSS
NOTES

O/C just W of cut line running N-S
9500 W 9650 S
f.gr. dense maroon to greenish grey
volcanic: specularite on fracture and
as irregular dots; some py; rock
has light coloured bands (flow
banding?) Small O/C in woods
Rock becomes more pyritic, rusty up hill?

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 5 TYPE O/C ELEV 1315 MAP 93M1 ROCK VOLC
MIN PY, MT ALT MET FOSS
NOTES 673440 6118084 (NAD27)

O/C on cut line @ 9500 W 9975 S
mass O/C and blocks over 10 sq m area
medium, grey dense, hard volc with 1-2%,
1-2 mm feld laths; 2-4% dissem py
large area of O/C at 10000 S where
large cut line runs across
crest of hill cell dense greenish
grey volc? mass, resistant, pyritic.
almost a chert in places: faintly
banded. Elsewhere sparsely feldspar phyric
.5-1 mm laths. Rusty on fract; magnetic

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB TYPE ELEV MAP ROCK ✓ OLC
MIN ALT MET FOSS
NOTES

o/c along cut line
10125 S - mass, dense volc, mag.
all rocks along line mag.
small breccia zone, 5m wide
trending E-W cutting volc
heavy py cp? in breccia

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 6 TYPE O/C ELEV (1345) 1370 MAP ROCK DORT
MIN Py, MT ALT MET FOSS
NOTES 673597 6117997 NAD27

- area of o/c on east crest of ridge
- c.gr. greenish grey diorite; hb laths to 3cm long, oriented giving faint foliation; decomposes when weathered hard to get fresh sample; cgr feldspar magnetitic, pyrite in places; cuts volc? age date possibilities
- another small o/c at 673057 6118352 larger o/c just to south 50m

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

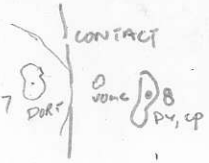
MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 7 TYPE o/c ELEV (1355) 1380 MAP 93M1 ROCK DORT
MIN ALT MET FOSS
NOTES 673953 6117914 NAD 27

- large area of rounded o/c at crest of hill just N of E-W gully
- m-c.gr diorite. Not as c.gr as STN 6 feldspar pinkish, prob due to weath
- f.gr hornfelsed volc ā py south of valley, hornfels is magnetic

TYPE	S/A	D/P	DIR	REMARKS



SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 8 TYPE ELEV (1340) 1365 MAP ROCK
MIN PY, CP ALT MET FOSS
NOTES 674068 6117959 NAD 27

- f.gr. dark grey to maroonish grey volc. Possibly hornfelsed
- dissem py, cpy, cal stringers, strongly magnetic
- secondary biotite
- sparsely feld phyric, possible avg circular radiating crystals *
probably basalt in comp.
- dykes of porph diorite and diorite cutting volc, well defined contact exposed under tree

TYPE	S/A	D/P	DIR	REMARKS
DYKE	NE			possible trend.

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

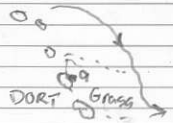
PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 9 TYPE O/C ELEV (1295 1270) MAP ROCK DORT
MIN Py, MT ALT MET FOSS
NOTES

- open grassy slope c̄ abundant O/C at top of m.g. diorite
- all diorite along edge of ridge



TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 10 TYPE O/C ELEV ? MAP 93M/1 ROCK VOLC
MIN Py, MT ALT MET FOSS
NOTES 673580 6117447

- lapilli tuff in open grassy area
- disem pyrite
- near diorite contact?

9840W 10475S O/C of porph dk grey andesite or basalt magnetic
- possibly UKP

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 11 TYPE O/C ELEV ? MAP 93M1 ROCK BSLT
MIN MT ALT MET FOSS
NOTES

- porph basaltic andesite
- magnetic
- L 9840 W 10475S

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

TRAV 2 ROAD TRAVERSE - JINX 93M1

DATE July 5, 1996 TRAVERSE 2 PAGE [ ]

STN/SUB 12 TYPE O/C ELEV 778 MAP 93M1 ROCK BSLT
MIN MT, ALT EP MET FOSS
NOTES 673534 6185295 NAD 27

large cliff north of old Jinx Road.
talus and quarry at base, greenish grey
- cliff face is massive, dark grey fine grained basalt; mafic minerals fresh; prominent joint set along cliff face
- volc breccia with black, radiating crystals in interstices, prob. flow top breccia
- feldspar - augite phyric basaltic - andesite float in talus; light weathering c 35-40% 2-5mm feld xtals
- epidote on fracture faces; epidote after augite
- some specularite; piece of float c malt azurite; locally magnetic white oxide on cliff face and fractures.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES	
J	300	55	NE	prominent joints	CHEM	[ ]
					PETR	[ ]
				* may be suitable site for age date.	FOSS	[ ]
					HAND	[✓]
					AGE	[ ]

PHOTOS

STN/SUB 13 TYPE ELEV 980 MAP 93M1 ROCK BSLT
MIN PY ALT MET FOSS
NOTES

- subcrop next to major creek just west of road crossing
- angular blocks of fgr feld phyric basalt; magnetic; some disseminated pyrite (1-2%)
- feld < 1 mm; 5-10%
- rusty fractures

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES	
					CHEM	[ ]
					PETR	[ ]
					FOSS	[ ]
					HAND	[ ]
					AGE	[ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 14 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- large o/c in clear cut, crag + tail
- heterolithic conglomerate
- moderately sorted subrounded pebbles .5-3 cm
- some elongate clasts ∥ to layering
- bedding defined by coarse + f gr layers
- clasts maroon to dark grey feld phyric basalt
- matrix is greenish + chloritic? white weathering rims
- brown to orange weathering
- 2 photos (28 + 29) 12 cm rounded basalt clast in congl
- clasts prob derived from R. Jolo
- 5-10 cm layers of clast supported in predom matrix support
- photo 30 - elongate embayed maroon ash or slst clasts

TYPE	S/A	D/P	DIR	REMARKS
SO	350	35	NE	
SO	195	80	SE	Steep at top of 1st knoll
SO	325	42	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 15 TYPE o/c ELEV 1005 MAP 43M1 ROCK SLST, CNGL
MIN ALT MET FOSS
NOTES

another large o/c to west up hill, down section
- well bedded brown weathering siltstone wacke and granule conglom, brown weath matrix
- beds 1-2 cm, graded tops to east
- f.gr. beds have irregular white weath lic ups of silt or tuff
- beds with rounded, white weath 1-2 cm clasts in maroonish grey matrix
- rock becoming finer down section ?
- white weath clasts more resistant.
- photos 31, 32 face with rip ups.

TYPE	S/A	D/P	DIR	REMARKS
SO	180	37	E	bedding
SO	195	60	SE	

" Spotted zebra beds.

→ last knoll to south

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

cont'd - some beds c̄ 5-8 cm subrounded matrix sup. clasts
- white weath, resist f.gr round balls 1-2 cm, concentric layers mud balls? ◎
accretionary lapilli? in matrix supported bed with tabular silty white weath rip ups

- rock has zebra like appearance
- minor fold in plane of bedding

prob soft sed
Photo 33 - fold
last o/c on ridge is crowded pebble conglom

TYPE S/A D/P DIR REMARKS SAMPLES

CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [✓]
AGE [ ]

PHOTOS

STN/SUB 16 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- 2m dyke cutting conglom; sparse feld phyric feld 2-5m; f.gr felty text matrix
- brown weath, dark grey, basaltic or andesitic similar to sparse porph on Hearne Hill?
- greenish grey,

TYPE S/A D/P DIR REMARKS SAMPLES

DYKE 320 90

CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 17 TYPE o/c ELEV 1040 MAP 93M1 ROCK DORT
MIN ALT MET FOSS
NOTES

- Small o/c 2m x 2m on top of knoll just west of J'NX Road; well rounded
- white weath greenish grey augite phyric andesite or basalt or m.gr. diorite
- augites chloritized 1-5 mm 10-15%
- visible on weath surface
- white weath f.gr. Aykelets or veins
- o/c farther down ridge is same
- more dioritic texture on fresh surface - feldgz?

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 18 TYPE o/c ELEV 1000 MAP 93M1 ROCK CHRT
MIN ALT MET FOSS
NOTES

- Small o/c right next to road
- fig. lt grey chert, greenish grey mudst.
- disrupted bedding?

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 19 TYPE subcrop ELEV 1020 MAP 93M1 ROCK DORT
MIN ALT MET FOSS
NOTES

- similar to STN 17
- subcrop in ditch along W trending logging road.
- augite + hornblende? weathered
- blocky, light greenish grey
- specs of pyrite
- crowded porph text suggested by mafics.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 20 TYPE o/c ELEV MAP 93M1 ROCK SLST, TUFF
MIN ALT MET FOSS
NOTES

- rounded o/c on either side of road
- dark grey to black f.gr mafic tuff or slst; some granule beds lapilli
- locally strongly foliated
- few <1mm white feld xtals
- bedding may be at angle to foliation
- close to contact ε diorite

TYPE	S/A	D/P	DIR	REMARKS
S1	330	90		local strong fol'n

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 21 TYPE O/C ELEV MAP 93 M/ ROCK SLSN, CHRT
MIN cp, py ALT MET FOSS
NOTES

O/C just south of gully on road.
orange to brown rusty weath siltstone
chert and beds ē angular chert + sltst clasts
- sltst is f.gr. maroonish grey on fresh
surface
- circular outline may be shell
- angular clasts 1-2cm matrix
- py, cp on fractures?
- chert is greenish grey to grey ē conchoidal
fract.

TYPE	S/A	D/P	DIR	REMARKS
SO	45	17	SE	poss. bed

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 3 CLEARCUT MAPPING OFF BANX 93M1

DATE July 9, 1996 TRAVERSE 3 PAGE [ ]

STN/SUB 22 TYPE O/C ELEV 1090 MAP 93M1 ROCK SLSN, CHRT
MIN py ALT MET HRNF ? FOSS Belemnite
NOTES 682054 6110115 NAD27

- outcrop in ditch along logging road.
- rusty light weathering massive dark grey f.gr. siltstone, cherty argillite ? chert
- finely disseminated py - may be hornfels.
- locally fractured and brecciated
- occasional belemnite hole

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 23 TYPE O/C ELEV 1110 MAP 93M1 ROCK
MIN ALT MET FOSS
NOTES 682004 6110023

- O/C in ditch at crest of road past creek
- more dark grey siltstone
- dissem. and stringer py 2-5%
- locally bleached & dissem py
- may be close to intrusive

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 29 TYPE O/C ELEV 1090 MAP 93M/ ROCK SLSN
MIN P-1 ALT MET FOSS
NOTES 681737 6109802

- green lapilli tuff?
- small o/c in ditch
- o/c along side of creek is green volc c̄ calcite filled amygdules and veinlets
- also breccia texture
- diorite?
- diff face is massive blocky weath.

TYPE S/A D/P DIR REMARKS SAMPLES

CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 25 TYPE O/C ELEV 1120 MAP 93M/ ROCK
MIN ALT MET FOSS
NOTES 681256 6109507

- o/c in ditch going up road into clearcut
- massive rounded o/c
- white weath, dark grey to greenish grey
- f.g. feld phyric to aphanitic
- feld phyric dykelets
- fragments up to 2cm of feld phyric volc
- granule size frag; auto brecciated?
- irregular f.g + feld phyric "layers"
- no pyrite observed
- mass volc? or seds? very disrupted.

TYPE S/A D/P DIR REMARKS SAMPLES

CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 26 TYPE O/C ELEV 1145 MAP JKd ROCK DORT
MIN ALT MET FOSS CNGL
NOTES 681073 6109663 NAD 27 LPTF

- Sporadic O/C in ditch.
- m - f.gr. dark green diorite, blocky
- cuts rock similar to 25 at lower contact
- upper contact is volc conglom c angular white weath clasts of slst and volc? .5 - 4 cm; brownish grey, f.g. soft
- matrix supported c matrix green, chloritic?
- Some maroon chert clasts
- Some angular cavities c remnant calcite
- fossils ?
- may be mafic lapilli tuff.

TYPE S/A D/P DIR REMARKS SAMPLES

CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 27 TYPE O/C ELEV 1150 MAP UTRp ROCK ANDSp
MIN CP, Mal ALT EPDT MET FOSS
NOTES

- large rounded O/C next to road at break in slope
- feld phyric andesite or basalt; minor epdt
- equant feld phenos .2 - .5cm, 25-40%, white in brown weath f.gr. matrix
- matrix is greenish grey + chloritic.
- small circular cavities may have been arg.
- locally vesicular
- O/C in clear cut to W is volc breccia or lapilli tuff. = 26
- trend of O/C is 40°
- rock is magnetic - probably = UTRp
- feld greenish grey on fresh surf.

TYPE S/A D/P DIR REMARKS SAMPLES

PHOTO # 34

CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS PHOTO # 34 - porph.

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STN/SUB 28 TYPE O/C ELEV 1175 MAP VRP ROCK ANDSP
MIN ALT MET FOSS
NOTES

- O/C in NW corner of clearcut
- same as 27
- field phyric ands
- bearing 185 to truck
- outcrop at top of hill near corner of clearcut has .5-1cm rusty pheno outlines - augite? amyg?
- some rounded carb filled amyg.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 29 TYPE O/C ELEV 1190 MAP VRIF ROCK
MIN ALT MET FOSS
NOTES

- O/C at edge of clearcut
- grey weath lapilli tuff
- angular to subrounded volc clasts in light grey felt tuff matrix
- some clast white others grey and brown
- may be partly ash flow
- some clasts appear to be flow banded

TYPE	S/A	D/P	DIR	REMARKS
So	310	42	NE	not well defined

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 30 TYPE O/C ELEV 1200 MAP ROCK
MIN ALT MET FOSS
NOTES

- small o/c next to porp flow
- f.gr. greenish white weath
light greenish grey tuff (ash?)
- brecciated c̄ brown weath matrix
- interbed c̄ lap tuff, porph flows.
- 135° to truck
- rusty frac
- pyritic dykelet cuts o/c
- next o/c up hill near edge of clearcut
is brown weath flow c̄ qz-ep veinlets
- pitted surface suggest porph text.; felty groundmass
intergrown feld laths. microdiorite?

TYPE S/A D/P DIR REMARKS SAMPLES

porph
lap tuff
porph ands
lap tuff
f.gr basalt / dort
lap tuff

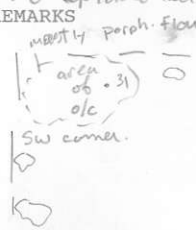
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 31 TYPE O/C ELEV 1220 MAP ROCK
MIN ALT MET FOSS
NOTES

- large o/c at back of clearcut (100° to truck)
- varies from feld phyric to f.gr.
andesite or basaltic andesite
- locally brecciated (flow top?)
- felty texture in f.gr phase
- brownish grey weath.
- qz-ep veining in places.
- magnetic
- sharp irregular contact between porph and non
porph phase - porph injected into f.gr
- Ovoid, resistant amygdules? rimmed c̄ dark green min-ep, olivine?
- tension gashes filled c̄ epidote (actinolite)

TYPE S/A D/P DIR REMARKS SAMPLES



CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

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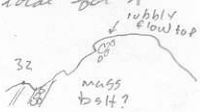
STN/SUB 32 TYPE O/C ELEV 1130 MAP ROCK
MIN ALT MET FOSS
NOTES

- large area of O/C at S end of clearcut
- brown weath resistant ridge
- m-f.gr. diorite?
- locally brecciated, rounded rubbly weath, carb cement looks like monolithic, clast support conglom
- greenish gray 1mm mafic crystals 5% sparse
- microvesicles; basalt?
- looks like f.gr. flows at STN 30
- some qz-cp veining
- clasts in flow top vesiculated, scoriaceous.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
S1	190	70	NW	local fol'n	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]



PHOTOS

STN/SUB 33 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- O/C in clear cut
- grey weath m.gr. diorite equigranl
- mafic crystals 1-2 mm on weath surf
- 15-20%
- intrudes mafic tuffs + basalt
- locally pyritic

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 34 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

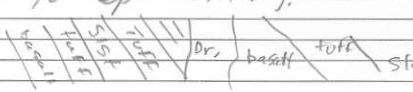
- o/c in clearcut SE of 33
- pinnacle of bedded lapilli and xtal tuff
- foliated parallel to bedding
- some dark grey, slabby siltstone (belem?)
- clasts elongate and angular
- some white weathering clasts in brown matrix
- matrix greenish grey on fresh surface

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
So	175	65	SW	elongate clasts	CHEM [ ]
Si	175	65	SW	parallel to bedding	PETR [ ]
				may be grade	FOSS [ ]
				xtal, ash and	HAND [ ]
				lapilli beds 2-10cm	AGE [ ]
				siltstone to east	

PHOTOS

STN/SUB 35 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- northeast corner of clearcut
- several outcrops
- dark rusty siltstone on road
- lapilli and xtal tuff weakly fol
- brown weath basalt
- bleached, strongly pyritic patches
- qz-ep veining.



{ marine mafic volc sequence. Im JV?

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

TRAV4 CLEARCUT N OF BOOKER GOLD CAMP

DATE July 10, 1996 TRAVERSE 4 PAGE [ ]

STN/SUB 36 TYPE O/C ELEV 930 MAP ROCK BSLT
MIN ALT Qz-EP MET FOSS
NOTES 676222 6114041

155° Booker Camp 235° Morrison Camp
- large outcrop towards end of NW trending ridge in clearcut
- massive fgr. grey weathering dark grey basalt, magnetic
- intense qz-ep veining
- large boulders of grey weath ash flow tuff.

TYPE	S/A	D/P	DIR	REMARKS
Veins	330	65	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #1 View W toward Camp & Old Fort Mtn
#2 View SW down Hatchery Arm

STN/SUB 37 TYPE O/C ELEV MAP ROCK TUFFaf
MIN ALT MET FOSS
NOTES

- o/c down slope to W of 36
- grey weathering ash-flow tuff.
- weakly welded - fiamme
- stretched clasts
- appears to strike NW dip 65° SW
- to NW & up slope is o/c of grey weath lapilli tuff & grey feld phyric clasts, sub rounded & angular 2-5cm grey feld phyric matrix

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

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DATE TRAVERSE PAGE [ ]

STN/SUB 38 TYPE O/C ELEV MAP ROCK BSLT
MIN ALT EP-QZ MET FOSS
NOTES 675974 6114602 NAD27

- large o/c in clearcut, west facing cliff
- 135° to Booker camp; 226° Morrison camp
- f.gr. greenish grey massive volcanic probably basalt flow c intense qz-ep veining; same as 36
- 145° to STN 36

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 39 TYPE O/C ELEV MAP ROCK TUFF of TUFF. 1p RYLT
MIN SPEC ALT MET FOSS
NOTES 675813 6114825

o/c just SW of creek gully & NW of 38
- grey - ~~[illegible]~~ weathering ash flows + lapilli tuff, flow banded tuff, ignimbrite
- abundant specular hematite on fractures
- rusty cavities in feld phyric ash flow; angular blocks → 15cm
- small dykelet of diorite cutting grey ash
- white flow banded rhyolite intruding lapilli tuff 5m wide dyke
- lapilli tuff → volc conglom
- maroon + grey clasts in lapilli tuff

at end is diorite, f.gr. felty groundmass

TYPE	S/A	D/P	DIR	REMARKS
SO324	66	NE		IN Lapilli tuffs
DYKE	195	90		Next to rhy contact
SO	320	60	NE	Rhyolite 5m wide

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #3, #4 Flow banded rhyolite, lapilli tuff contact

#5 Flow banded ash flow tuff

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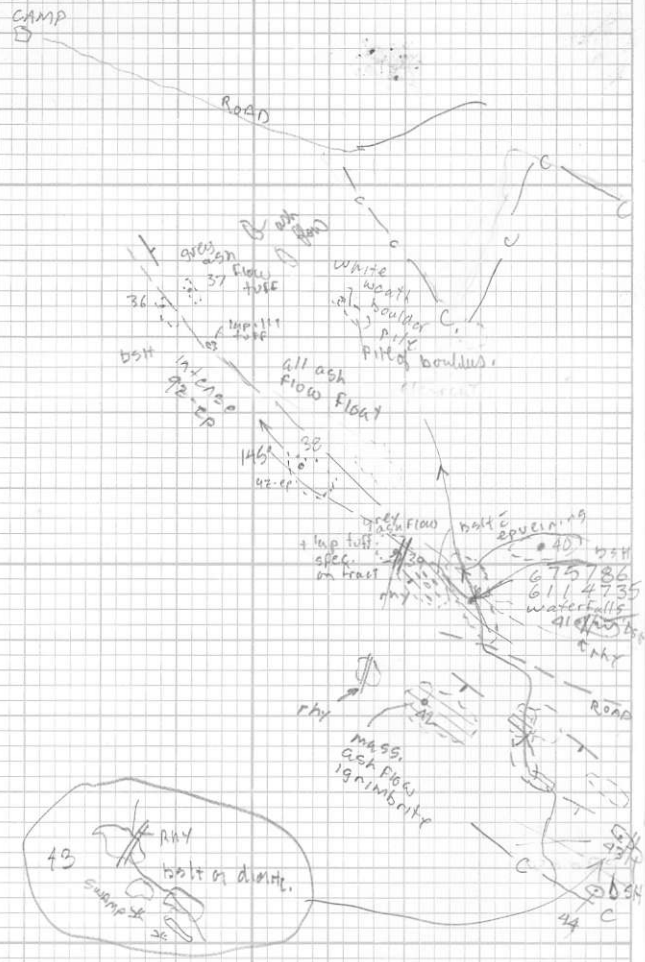

CAMP
ROAD
C
C
C
C
C
C
ash flow
grey ash
37 flow tuff
36
lapilli tuff
bsH
intense qz-ep
white weath boulder pile
pile of boulders.
all ash flow float
145°
38
qz-ep
grey ash flow
bslt c̄ epuerning
+ lap tuff spec. on tract
39
40
bsH
675786
6114735
waterfalls
rhy
rhy
rhy
ROAD
42
mass. ash flow ignimbrite
43
rhy
bslt or diorite.
swamp
36
C
43
bsH
44
C

DATE TRAVERSE PAGE [ ]

STN/SUB 40 TYPE O/C ELEV 950 MAP ROCK BSLT
MIN ALT EP MET FOSS TUFF lp
NOTES 675789 6114782 NAD 27 TUFF cf

- top of ridge just north of creek
- same as 38 intense epidote
- bslt interbed c̄ lapilli + ash flow tuffs

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS #6 View SW down Hatchery Arm.

STN/SUB 41 TYPE O/C ELEV 950 MAP ROCK TUFF lp
MIN ALT MET FOSS BSLT
NOTES RYLT

- O/C approx 100 m NE of 46
- lapilli tuff intruded by basalt c̄ ep and rhyolite
- basalt injected into tuffs, disrupts bedding, sharp irregular contact
- 225° to Morris on camp.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
DYKE	180	✓		rhyolite	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS #7 - Basalt - tuff contact

DATE TRAVERSE PAGE [ ]

STN/SUB 42 TYPE O/C ELEV 980 MAP ROCK TUFFaf
MIN ALT MET FOSS RYLT
NOTES 675918 6114932 NAD27

- massive area of o/c cut by creek
- 10-15m thick beds of grey weath ignimbrites
- cut by rhyolite
- bedding ≈ 60% to NE

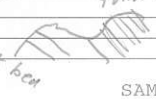
TYPE	S/A	D/P	DIR	REMARKS
DYKE	195	✓		ON STRIKE ⊂
SJ	295	65	NE	STN 39 IRREG
				exposure in creek

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #8 - looking @ 190 across dyke shows offset of dyke
#9 - flammes in ignimbrite
#10 - at creek - bedding in ash flow

STN/SUB 43 TYPE O/C ELEV 1000 MAP ROCK TUFFaf
MIN ALT MET FOSS DORT RYLT
NOTES 675767 6115196 NAD27

o/c several 100's metres NW of 42
- more grey weath ash ± lapilli tuff locally welded
- medium to thick bedded
- up hill to NE medium to thin bedded ash flows
5-15cm beds ⊂ white flamme
- black bands ⊂ white layers
- interbedded ⊂ lapilli + ash
- rhyolite dyke near end of o/c in contact ⊂ basalt inclusions of basalt in rhyolite.



TYPE	S/A	D/P	DIR	REMARKS
SO	305	50	NE	Good bedding
DYKE	220	90		thin bedded tuffs
J	210	68	NW	Rhyolite dyke
				sheeted in basalt

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #11 - bedding in tuffs
#12 - closeup of flamme layer

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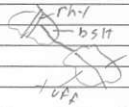
STN/SUB TYPE ELEV ' MAP ROCK
MIN ALT MET FOSS
NOTES

cont'd
- at end of string of O/C is f.gr. to m.gr. diorite
- field laths in groundmass give trachytic texture → microdiorite
- ep in diorite



TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 44 TYPE O/C ELEV 1000 MAP ROCK PORT
MIN ALT MET FOSS
NOTES 675670 6115289

- O/C towards east side of clearcut
- m.gr. diorite or gabbro
- mafic minerals (pyroxenes) - 35-45%
- lepidote on fractures
- intrudes lah flow sequence
- salt + pepper weathering
- plag resistant, mafics recessive

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

TRAV 5 N. END OF HEARNE HILL

DATE July 11, 1996 TRAVERSE 5 PAGE [ ]

STN/SUB 45 TYPE O/C ELEV 880 MAP ROCK TUFF lp
MIN ALT MET FOSS
NOTES 674100 6115179

- Start at STN 12
- o/c in woods f.gr. diorite or basalt, ep, speconfiac
- o/c up slope
- grey rhyodacitic lapilli tuff; ash flow
- similar to o/c in clearcut
- medium to thick bedded

TYPE	S/A	D/P	DIR	REMARKS
J	60	60		may be bedding 10-20 cm spacing.

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 46 TYPE O/C ELEV 955 MAP ROCK TUFF lp
MIN ALT MET FOSS
NOTES 674484 6115043

- massive grey rhyodacitic lapilli tuff.
- same as 45
- no obvious bedding ∴ thick bed

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

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STN/SUB 47 TYPE ELEV 975 MAP ROCK
MIN ALT MET FOSS
NOTES

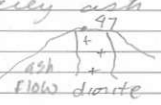
- o/c - cliff face up hill from 45
- massive m.gr diorite
- ep. stringers
- intrudes tuffs
- some rel fresh biotite
- feld greenish to pinkish
- greenish grey almost porphyritic
- also amygdaloidal feld phyric rock

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

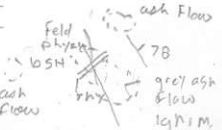
STN/SUB 48 TYPE ELEV 1035 MAP ROCK
MIN ALT MET FOSS
NOTES 674886 6115046

- o/c at top of hill
f.gr feld phyric basalt or microdiorite similar to 46; sparsely feld phyric 1-2mm 5%
- o/c coming up slope to SW is grey ash flow + lapilli tuff (100m NE)
also white rhyolite dyke probably trending SW
going NE is o/c of grey ash flow med to thin bd



TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	300	78	NE	med + thin bed grey lapilli ash flow tuff	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS



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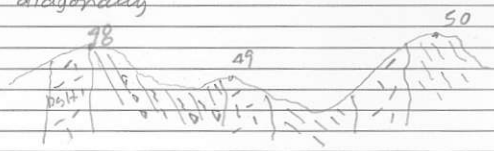
STN/SUB 49 TYPE ELEV 1005 MAP ROCK
MIN ALT MET FOSS
NOTES 675039 6115207 NAD 27

- o/c in clearcut downslope from 48
- feld phyric basalt cutting ash flow contact observed; dyke cuts across bedding diagonally



TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 50 TYPE o/c ELEV 1035 MAP ROCK
MIN ALT MET FOSS
NOTES 675130 6115306

- o/c on prom ridge
- west face is aphanitic basalt c̄ ep on fract
- at top is thin bedded ash flow tuff
- beds 1-4 cm
- fiamme beds, others ash, lapilli
-

TYPE	S/A	D/P	DIR	REMARKS
50	300	78	NE	thin bedded ash flow tuffs

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS # 13,14,15 thin bedded ash flow

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STN/SUB 51 TYPE O/C ELEV 1049 MAP ROCK TUFF/P
MIN ALT MET FOSS
NOTES 675091 6115600 NAD 27

small O/C on SW slope
- grey ash flow lapilli tuff
- thick bedded

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	306	58	NE	med-thin bed ash flows up slope from 51	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 52 TYPE O/C ELEV 1062 MAP ROCK
MIN ALT MET FOSS
NOTES 674747 6115818 NAD 27

large O/C and SW facing cliff in NW corner of clearcut
- massive thick bed rhyodacitic ignimbrite, some white to cream lapilli in grey siliceous matrix & some open cavities
- overlain by thin bedded ash flow

up slope is basalt intruding tuff

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	304	52	NE	thin bed ash flow at top of cliff	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS #16 basalt tuff contact showing chill

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STN/SUB 53 TYPE o/c ELEV 1120 MAP ROCK DORT
MIN EP ALT MET FOSS
NOTES 675024 6115850 NAD27

o/c at N edge of clearcut, crest of hill
- f-mgr. microdiorite, salt + pepper
~ep on fractures

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS #17 view toward Booker Gold Camp across ash flow sequence

STN/SUB 54 TYPE o/c ELEV 1170 MAP ROCK DORT
MIN ALT MET FOSS
NOTES 674923 6115966 NAD27

- large o/c at top of hill
- microdiorite or basalt
- feldspar microlites → felty texture
- intense epidote veining

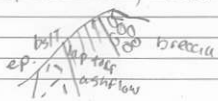
TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 55 TYPE O/C ELEV 1130 MAP ROCK
MIN ALT MET FOSS
NOTES 675299 6116125 NAD27

- large SW facing slope
- all O/C
- at top appears to be mixed basalt
  → breccia
- rounded amyg, feld phyric & aphanitic basalt
- clasts 5-15 cm c̄ light grey weath matrix containing smaller clasts, clast supported.
- lahar?
- bslt c̄ ep at base of face



TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
50	300	75		thin bed ash + lapilli tuff below breccia	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 56 TYPE O/C ELEV 1060 MAP ROCK
MIN ALT MET FOSS
NOTES 674681 6115629

- grey thick bedded ash flow tuff
  1-2 cm lapillis + xtal frags 10% in grey siliceous matrix
- at west edge of clear cut.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS #18 view across clear cut to snow cap mtns
ash flows in foreground

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 57 TYPE O/C ELEV 1050 MAP ROCK
MIN ALT MET FOSS
NOTES 674324 6115680

- large o/c of ash flow
- light weath welded beds.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
50	295	70	NE	pink welded ash flow 15 cm thick.	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 58 TYPE O/C ELEV 1040 MAP ROCK
MIN ALT MET FOSS
NOTES 674258 top 6115729

- more mass ash flows
o/c at top of slope

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 59 TYPE o/c ELEV 1045 MAP ROCK
MIN ALT MET FOSS
NOTES 674055 6115641

- mass o/c at top of slope
- all mass bslt & ep.
- cut ash flow taffs.

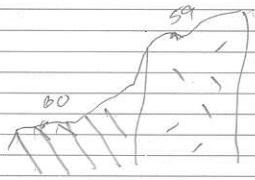
TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 60 TYPE o/c ELEV 980 MAP ROCK
MIN ALT MET FOSS
NOTES

o/c of ash flow taffs thin bed.
dipping to NE



TYPE	S/A	D/P	DIR	REMARKS
SO	290	60	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAVG - MAPPING OFF OLD JINX ROAD

DATE July 12, 1996 TRAVERSE 5 PAGE [ ]

STN/SUB 61 TYPE O/C ELEV 1030 MAP ROCK
MIN PY ALT MET FOSS
NOTES 683690 6110882 NAD 27

- O/C in road cut
- brown to rusty orange weath, blocky dark grey siltstone with bivalve casts & matrix supported debris flow with subrounded blocks of white weath c.gr. sandstone; calcareous
- carbonate veining; dissem PY 2-5%
- siltstone is dark; f.gr. xtalline hornfelsed?
- matrix of debris flow is brown weath mud or silt
- up slope is wacke c white feld or calcite frags, numerous bivalves

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 62 TYPE O/C ELEV 1085 MAP ROCK
MIN ALT MET FOSS
NOTES 683923 6110646

- thin bedded siltstone and poorly sorted wacke to granule conglom
- abundant bivalve cast
- clasts up to 1cm

TYPE	S/A	D/P	DIR	REMARKS
SO	275	30	N	
J	165	62	SW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 63 TYPE ELEV 1030 MAP ROCK
MIN ALT MET FOSS
NOTES 684132 6110611

- series of hogbacks below road
brown weath siltstone wacke
granule pebble and boulder congl.
- clasts up to 15 cm resistant, matrix
supported, debris flows in bed shallow
water beds
- abundant bivalves
clasts might be volc
- similar to conglom in clearcut STN 15?
- c.gr conglom cut down into slst.
- ribbed pelcypods Weylupx?

TYPE	S/A	D/P	DIR	REMARKS
SO	310	30	NE	o/c below road.
	320	35	NE	med to thick bed

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 64 TYPE O/C ELEV 1000 MAP ROCK
MIN ALT MET FOSS
NOTES 684235 6110594

- more fossilliferous seds

TYPE	S/A	D/P	DIR	REMARKS
SO	300	30	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 65 TYPE o/c ELEV 96 MAP ROCK
MIN ALT MET FOSS
NOTES 684492 6110320

in road cut small oc
- brown wacke
- medium bedded

TYPE	S/A	D/P	DIR	REMARKS
SO	305	45	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 66 TYPE o/c ELEV 960 MAP ROCK
MIN ALT MET FOSS
NOTES 684902 6109990

- thin bed brown weath wacke
granule conglom + silt
- blocky fracturing
- vertical face near fault?

TYPE	S/A	D/P	DIR	REMARKS
SO	320	35	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 67 TYPE O/C ELEV 1000 MAP ROCK
MIN ALT MET FOSS
NOTES 684747 6109782

- road going NW Junction 685209 6109505
- o/c along gully N of road in clegsait
- very fossil brown weath field wacke
+ granule conglom
- dips 30 to NE

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 68 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 684375 6109768

- brown weath fossil wacke

TYPE	S/A	D/P	DIR	REMARKS
50	335	39	~~NE~~	good bedding

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 69 TYPE O/C ELEV 1070 MAP ROCK
MIN ALT MET FOSS
NOTES

small irregular body of white weath
light grey sugary textured intrusion
cutting brown weath sediments.
- med to thin bedded wacke, conglom,
slat

- 684382 6109171

TYPE	S/A	D/P	DIR	REMARKS
SO	352	35	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS # 19 bedding

STN/SUB 70 TYPE O/C ELEV 940 MAP 1JT ROCK BRCC
MIN ALT MET FOSS
NOTES 685154 6108435

end of road 685337 6108065
- O/C NW of landing
- cliff face of volc breccia
- rounded greenish + maroon feld phyric
and amygdaloidal volc in f.g. maroon
crystal ash matrix

TYPE	S/A	D/P	DIR	REMARKS
J	115	78	SW	Fault ?

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 71 TYPE o/c ELEV 980 MAP ROCK
MIN ALT MET FOSS
NOTES 685300 6108240

- same; small p.c in road cut
- sidensides; may be close to fault

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 72 TYPE o/c ELEV 890 MAP ROCK
MIN ALT MET FOSS
NOTES 686026 6108630

o/c on road cut
- dark to med grey siltstone
- belemnite holes, ammonite
- rusty on fract.
- alternating light greenish grey chert and m.gr. f.gr. siltst.

TYPE	S/A	D/P	DIR	REMARKS
50	30	75	SE	5-10cm
50	10	55	SE	up hill

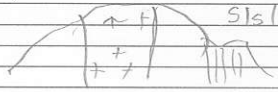
SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 73 TYPE O/C ELEV 940 MAP ROCK
MIN ALT MET FOSS
NOTES G86262 6108578

= diorite dyke at top of knoll
flow banding at 10
= intrudes sltst + chert? (hornfels
- sugary text at contact



TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAN 7 2400 ROAD

DATE July 17, 1996 TRAVERSE PAGE [ ]

STN/SUB 74 TYPE O/C ELEV 1010 MAP ROCK
MIN ALT MET FOSS
NOTES 657849 6119701 NAD27 (road E of hill near S end of cc)

- o/c coming up hogback hill
- greenish grey sandy, siltstone/mudstone
- broad bed
- numerous belemnite holes
- belemnite holes in plane of beds
- some ribbed bivalve casts
- granitic erratics
- figs more silty, thinner bed up sec

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	292	48	NE	15-30cm beds.	CHEM [ ]
SO	315	44	NE	higher up ridge	PETR [ ]
SO	315	48	NE	END OF ridge	FOSS [ ]
SO	308	30	NE	at edge of CC bottom of hogback	HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 75 TYPE O/C ELEV 990 MAP ROCK
MIN ALT MET FOSS
NOTES 657975 6119182 NAD27

- o/c in ditch along west side of road
- figs greenish grey to light green siltstone
- belemnite holes
- rusty on fractures

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	35	35	SE	possible bedding	CHEM [ ]
SO	25	37	SE	good bedding	PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 76 TYPE o/c ELEV 960 MAP ROCK
MIN ALT MET FOSS
NOTES 658512 6117358 NAD 27 (S end of o/c)

- o/c along 2400 Road
- greenish grey to maroon feldspathic sandstone
- overlain by sltstone c̄ belemnites
- rusty weath in sltstone
- granule → ammon belem
pebble congl.

Ammonites

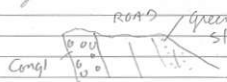
TYPE	S/A	D/P	DIR	REMARKS
	160	76	SW	poorly defined
	175	56	SW	
	171	58	SW	} Pat
	174	82	SW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 79 TYPE O/C ELEV 980 MAP ROCK
MIN ALT MET FOSS
NOTES 658641 6116809 NAD 27

- o/c on either side of road
- west of road f.gr. green slst to madstone, belemnite + bivalve casts
- east of road light weath pebble conglom, subangular rhyolitic clasts feldspathic, healed c̄ qz, pyritic
- green + maroon clasts, volcanic



TYPE	S/A	D/P	DIR	REMARKS
SO	165	75	SW	conglom/sst cont

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 78 TYPE o/c ELEV 980 MAP ROCK
MIN ALT MET FOSS
NOTES 658752 6116415

end of string of outcrop
92 healed breccia massive slst.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [~~ASTAT~~]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 79 TYPE o/c ELEV 990 MAP ROCK
MIN ALT MET FOSS
NOTES 661000 6115707

large o/c along road cut
next to lake
- conglom on lapilli tuff.
- angular olive green f.gr. soft clasts (clay?)
in dark grey soft chloritic? matrix
= some well rounded pebbles also black slst clasts
= sheared, pebbles fall out
- matrix supported 15-20% 2-4 cm clasts
some larger, debris flow
= large wood fragg.
- some fine felt in matrix?

TYPE	S/A	D/P	DIR	REMARKS
SO	180	50	W	middle of o/c
SO	108	50	SW	start of o/c
SO	97	43	SW	end of o/c

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- cont'd - altered + bleached zone
cuts o/c
- numerous slikensided faces
dipping into hill
- bedded
- fault breccia?; wood frags
- beds vary from 60% dark to 10% most light coloured
soft
- most likely debris flows.

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 80 TYPE O/C ELEV 9190 MAP ROCK
MIN ALT MET FOSS
NOTES 661819 6115280

- small o/c on road,
- feld phyric intrusion?
1-2mm 10-15% feld, in fgr
grey matrix
- zone of intense qz stringers rusty, py
- very silica rich, hard.
- sampled for assay.
- 100m down road is o/c similar
to 79

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ASSAY]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

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STN/SUB 81 TYPE o/c ELEV 995 MAP ROCK
MIN ALT MET FOSS
NOTES 661957 6115427

- large o/c at bend in road.
- dark green on grey fragmental subangular clasts of feld phyric rhy and other volc
- sparse feld xtals in matrix
- light coloured rhyolitic clasts 1cm – 50cm

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 8

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STN/SUB 82 TYPE O/C ELEV 1050 MAP ROCK
MIN ALT MET FOSS
NOTES 659756 611224

- O/C on logging road
- west of road dark crumbly siltstone and light greenish grey mudstone
- abundant wood frags
- occasional angular felsic clast
- east of road granule to pebble conglomerate
- probably Cretaceous
- subangular chert clasts up to 5 cm in diam; calcite clasts in conglom

TYPE	S/A	D/P	DIR	REMARKS
SO	355	30	E	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 83 TYPE O/C ELEV 1045 MAP 1KS ROCK
MIN ALT MET FOSS
NOTES 6606 31 6109944

- O/C in clearcut
- greywacke granule conglom
- grey weathering grey
- quartz + feldspar, black slts + cherts
- Cret seds
-

TYPE	S/A	D/P	DIR	REMARKS
SO	045	35	SE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 84 TYPE O/C ELEV 1080 MAP ROCK
MIN ALT MET FOSS
NOTES 660921 6109347

- subcrop at top of knoll
- f.gr. greenish grey to olive
slst. mudstone
- carbonaceous streaks

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 85 TYPE O/C ELEV 1050 MAP ROCK
MIN ALT MET FOSS
NOTES 663897 6111798

O/C on 2100 Road
- greenish grey med to c.gr.
green weath diorite
- calcite veining

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV9 MORRISON/1200 R

DATE JULY 24, 1996 TRAVERSE PAGE [ ]

STN/SUB 86 TYPE o/c ELEV 860 MAP ROCK
MIN ALT MET FOSS
NOTES 671407 6119017 NAD27

- maroon to red weath, light grey
f-gr. slst or taff, bleached
- pyritic
- cut by bfp c̄ 3-5mm plag phenos
- o/c along road.
- feld in porph lay alt

TYPE	S/A	D/P	DIR	REMARKS
DYKE	170	65	NW	contact porph + slst
J	"	"	"	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS ~~#11~~

STN/SUB 87 TYPE o/c ELEV 840 MAP ROCK
MIN ALT MET FOSS
NOTES 670706 6119285 NAD27

- o/c & trenches in clearcut at Morrison
- hornfels c̄ cp py stockwork weining potassic alt bfp
- large trench

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #10 view of Hearne Hull

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STN/SUB 88 TYPE O/C ELEV 840 MAP ROCK
MIN ALT MET FOSS
NOTES

- rusty weath rfst or tuff
f.gr. bleached, light grey
frac con'rolled, pyritic
- alt zone of Morrisson

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 89 TYPE O/C ELEV 850 MAP ROCK
MIN ALT MET FOSS
NOTES

- porph, intense py, cp veining
- rusty, weath o/c along road.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 90 TYPE O/C ELEV 1020 MAP ROCK
MIN ALT MET FOSS
NOTES

- gray feldspathic siltstone + wacke
- outcrop at end of 1200 Rd
- few belemnite holes;
- medium to thin bed
- weathers white
brownish gray on fresh surf.
- cherty or silicified beds.

TYPE	S/A	D/P	DIR	REMARKS
SO	170	32	SW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 91 TYPE O/C ELEV 1020 MAP ROCK
MIN ALT MET FOSS
NOTES 668061 6110247

- O/C on W facing slope
- white to brown weath f.gr. feld siltstone
- belemnites, wood frags; bivalves.

TYPE	S/A	D/P	DIR	REMARKS
SO	140	37	SW	
SO	170	32	SW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [✓]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 10 1200Rd / Old Fort Porph.

DATE July 25/96 TRAVERSE PAGE [ ]

STN/SUB 92 TYPE O/C ELEV 1000 MAP ROCK
MIN ALT MET FOSS
NOTES 669312 6107689 NAD 27

- small at S end of clearcut
- white weath, m.gr. pinkish gray quartz diorite, EBqd
- fresh hornblende, biotite, pinkish plag.
- pinkish aplite, dykelets.
- small o/c at edge of cc
- rusty, sugary text. alt siltstone or qd?
- f.gr biotite flakes, biotite hornfels?
- f.gr phase of int. near contact.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
Dykelets	180	90		aplitic dyketets	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 93 TYPE O/C ELEV 1045 MAP ROCK
MIN ALT MET FOSS
NOTES 6692.28 6167358

- small o/c going S up ridge
- qz diorite dykes? similar to 92.
- country rock hornfelsed, pyritic
- f.gr. sugary text & fine biotite or hornblende

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

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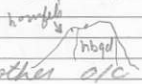
STN/SUB 94 TYPE o/c ELEV 1115 MAP ROCK HRNF
MIN py ALT MET horn FOSS QZDR
NOTES

- o/c at crest of ridge
- biotite hornfels, sugary texture to f.gr. similar to previous stns
- pyrite on frac + dissem 2-4%
- dark grey f gr biotite hornfels
- close to contact c̄ hb-bt qz diorite no py in qd, mass blocky.



- another o/c at 1145m elev — same m.gr. qz diorite

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 95 TYPE o/c ELEV 1170 MAP ROCK HRNF
MIN py ALT MET horn FOSS
NOTES 669276 6106772 NAP 27

- large o/c on E face of ridge
- vertical cliff
- f.gr. dark grey biotite hornfels pyritic

TYPE	S/A	D/P	DIR	REMARKS
J	355	85	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 96 TYPE O/C ELEV 1195 MAP ROCK HRNF
MIN Py ALT MET horn FOSS
NOTES 669193 6106737

O/C on east facing slope
all f.gr. dk grey to pinkish grey
dissem Py, locally heavy
hornfels

NE 96 97 SW
OS

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 97 TYPE O/C ELEV 1240 MAP ROCK HRNF
MIN Py ALT MET horn FOSS
NOTES 669144 6106556

- pyritic dark grey to bleached rusty weath biotite horn hefs
- cut by pykes of 96
- top of knoll

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

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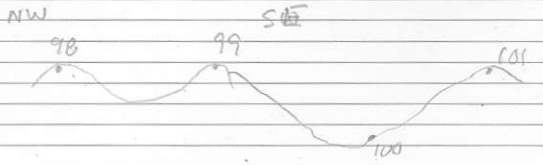
STN/SUB 98 TYPE o/c ELEV 1195 MAP ROCK
MIN ALT MET FOSS
NOTES

small o/c at SW end of ridge
on SE slope
- hornfels, pyritic, bleached



TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 99 TYPE o/c ELEV 1195 MAP ROCK
MIN ALT MET FOSS
NOTES 669195 6106305

- o/c on knoll
- fine siliceous pink to black grey pyritic hornfels
- chloritic patches
- rock is cherty & conchoidal frac
- also grey bleached hornfels
- descend PT

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

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STN/SUB 100 TYPE o/c ELEV 1135 MAP ROCK
MIN ALT MET FOSS
NOTES

o/c in saddle between ridges
pyritic hornfels.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 101 TYPE o/c ELEV 1170 MAP. ROCK
MIN ALT MET FOSS
NOTES 669635 6105836

- large o/c on top hill
- all rusty pyritic hornfels
- light to dark grey
- siliceous, resistant

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 102 TYPE ELEV 1130 MAP ROCK
MIN ALT MET FOSS
NOTES 669550 6107193

top of knoll
- o/c of f.gr. bfp
possibly dyke
- in contact c hornfels

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

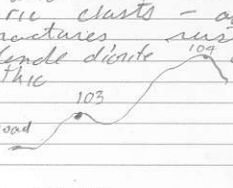
MLM/07/89

TRAV II 1200 Rd.

DATE July 26, 1996 TRAVERSE PAGE [ ]

STN/SUB 103 TYPE ELEV 190 MAP ROCK
MIN Py ALT Chl vns MET FOSS
NOTES 668982 6108241 NAD 27

- o/c above road going NE toward prominent knoll
- lapilli tuff and volc breccia, matrix sup. augite? pyrite clasts - augites resistant
- py on fractures rusty, white weath.
- also hornblende diorite clasts
- matrix feldspathic



- may be flow top breccia
- clast support
- pillowed? 5-10cm

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 104 TYPE O/C ELEV 1045 MAP ROCK
MIN ALT MET FOSS
NOTES

- white to rusty weath f.gr. sed
  occasional belemnite
- dark grey, siliceous, pyritic hornfels
- feldspathic granular, text on weath surface
- mostly f.gr. seds?

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 105 TYPE o/c ELEV 965 MAP ROCK
MIN ALT MET FOSS
NOTES 668744 6110214

o/c in road rounded
- green feldspathic wacke, occasional belemnite
- brown weathering
- med to thin bed
- c. gr and finer grained beds

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
$0	170	60	SW	dip approx	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 106 TYPE o/c ELEV 965 MAP ROCK
MIN ALT MET FOSS
NOTES 668607 6110673

o/c at N end of cc
- brown weathering greenish grey conglom
- 1/2 cm angular to subrounded felsic clasts, resistant in greenish chloritic matrix, matrix supported
- unit 1 MJV
- clasts are flow banded rhyolite

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 107 TYPE O/C ELEV 890 MAP ROCK
MIN ALT MET FOSS
NOTES 669268 6110602

- O/C next to road (1203.5?)
- maroon amygdaloidal basalt
- amyg up to 50% of rock, coarse + fine
- calcite filled

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 108 TYPE S/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- subcrop next to road 100m E of 107
- white weath qz-fd phyric rhyolite
  1-2mm qz + feld phenos 10-15%
- probably dyke.
- further east more amy basalt.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 109 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 669613 6110545

- large o/c on south side of 1200 Rd (1203 km)
- greenish grey brown weath wacke, granule conglom and f-gr siltstone
- belemnite holes?
- white angular rhyolitic clasts in greenish chloritic matrix

TYPE	S/A	D/P	DIR	REMARKS
SO	160	38	SW	good bedding

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

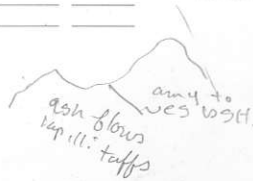
STN/SUB 110 TYPE O/C ELEV 830 MAP ROCK
MIN ALT MET FOSS
NOTES 670360 6110822

- o/c along ridge cutting road
lime green ash flow tuff
lapilli tuff volc conglom
up hill brown weath basalt
(see Pat's notes)
- prob 1m Jv
- small knoll S of road is white weath rhyolitic ash flow
- some flow banding extrusive?
- overlain by brown weath amy → ves basalt alt v amy to weakly amy flows
flow top breccia c̄ epidote

TYPE	S/A	D/P	DIR	REMARKS
SO	340	60	NE	suggest by layering in basalt

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS



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DATE TRAVERSE PAGE [ ]

STN/SUB 111 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 670624 6111093

- small o/c in ditch, N side of road
amygdaloidal basalt, maroon
- another o/c in ditch of same
at 670724 6111225 N side of road
- o/c of same S side of road.
at 670781 6111372

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 112 TYPE o/c ELEV 810 MAP m J5? ROCK SLSN
MIN ALT MET FOSS
NOTES 671102, 6111250

- o/c on N side of road in
ditch
- green f.gr. siltstone
- fossil, ferous: belemnites, ammonites
bivalves
- sits on amygdaloidal flows
- cut by qz-feld physic dyke

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [✓]
HAND [ ]
AGE [ ]

PHOTOS

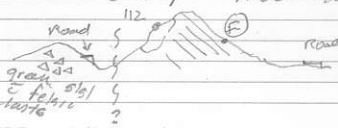
MLM/07/89

TRAV 12

DATE July 29/96 TRAVERSE PAGE [ ]

STN/SUB 112A TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

o/c on east slope of ridge
S of 1200 Rd
- all massive dk grey slst
- few belemnite holes
- beds dip moderately SW on SW side of hill
- may be hornfelsed

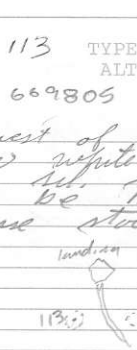


TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 113 TYPE o/c ELEV 895 MAP ROCK
MIN ALT MET FOSS
NOTES 669805 6111848

- o/c west of road in clearcut
- massive white to orange weath dark grey sil siltstone or chert
- may be hornfels
- intense stockwork veining in places
- east of road layers of breccia and white resistant clasts recessive sandy matrix
- siliceous beds of chert or rhyolite?
- flow breccia



TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	400	75	SE		CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 114 TYPE o/c ELEV 890 MAP ROCK
MIN ALT MET FOSS
NOTES 669998 6111903

- o/c on ridge [illegible]?
- massive orange to brown weath basalt or andesite
- feld microlites visible on weath surface.
- dark grey to greenish grey when fresh
- veined in places
- at least side of ridge is feld phyric greenish grey andesite 1-2 mm feld 25-30%
- interbed c or cuts before chert breccia similar to 113 flow top breccia?

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 115 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- white weath flow banded rhyolite
- rusty on fractures.
- some bkp?
- flow banding is lenticular
- very hard, felsicous rock
- rhyolite may be irregular dykelets and sills cut mafic vol.

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #17 view NE toward Hearne Hill.

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STN/SUB 116 TYPE o/c ELEV 890 MAP ROCK
MIN ALT MET FOSS
NOTES

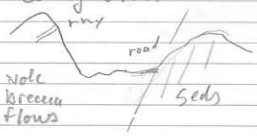
- pink & white weath siltstone
- belemnite holes
- strongly alt & veined
- no obvious bedding
- totally disrupted

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 117 TYPE o/c ELEV 845 MAP ROCK
MIN ALT MET FOSS
NOTES 670192 6111337

- smooth bedding surface west of road
- poorly sorted wacke to granule conglom.
- 

TYPE	S/A	D/P	DIR	REMARKS
50	330	52	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 13

DATE July 30/96 TRAVERSE PAGE [ ]

STN/SUB 118 TYPE o/c ELEV 1125 MAP ROCK
MIN PY ALT SI MET FOSS
NOTES

- large area of o/c on NE end of prominent knoll
- massive silicified and veined rock, red + orange oxide on fract
- med to dk grey, f.gr. siliceous
- qz veinlets, hematitic and rusty frac
- finely dissem pg in places 1-2%
- up hill sugary textured, light grey, locally flow banded → rhyolite? flow banding dips S
- rhyolite breccia cut by qz veinlets
- flow banding v. sil → cherty

TYPE	S/A	D/P	DIR	REMARKS
FB	87	22	S	

SAMPLES
CHEM [ASSAY]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 119 TYPE o/c ELEV 1200 MAP ROCK
MIN ALT MET FOSS
NOTES

- large o/c on NW facing cliff
- massive to thin bedded grey sugary text. volc? c̄ hematitic specs in matrix.
- mod. sil
- locally well developed flow banding dipping S

TYPE	S/A	D/P	DIR	REMARKS
FB	75	48	SE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 120 TYPE O/C ELEV 1240 MAP ROCK RYLT
MIN ALT MET FOSS
NOTES

- top of ridge.
- o/c of white weathering flow banded rhyolite
- rhyolite grey to pinkish grey on fresh surf
- flow banding varies from 70 to 30° mod to steep dips to SE
- helipad on top of ridge
- also rhyolite breccia

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #17 Rhyolite breccia

STN/SUB 121 TYPE O/C ELEV 1230 MAP ROCK RYLT
MIN ALT MET FOSS
NOTES 659427 6113691

- large o/c at top of talus slope on NW side of ridge
- sugary text rhy. with hematite matrix
- weakly flow banded, in places not parallel to jointing

TYPE	S/A	D/P	DIR	REMARKS
J	305	75	NE	from jointing

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

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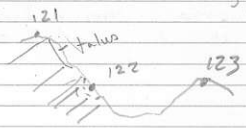
STN/SUB 122 TYPE O/C ELEV 1120 MAP ROCK
MIN ALT MET FOSS
NOTES

- O/C on west slope of ridge
- flow banded rhyolite sugary text & hem specs in matrix



- MnO_x on frac
- jointing suggests columns
- fol'n parallel to EB

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
FB	0	23	E		CHEM [ ]
FB	24	33	SE	well developed blocky layering into hill	PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 123 TYPE O/C ELEV 1125 MAP ROCK
MIN ALT MET FOSS
NOTES

O/C on N end of hill
- more massive rhyolite similar to 122
- also brecciated lgn. white rhyolite
- rhy is sugary text, hem specs, pinkish grey
- flow banding or layering varies considerably from O/C to O/C

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
FB	264	53	NW		CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 124 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

2200 Rd 663125 6117018 - black carb mudst, shale IKS
662140 6117752 - aug-phyric basalt locally cmx
- large o/c next to fgk
- green aug? phyric basalt may have hbl
also; locally very vuggy, amy & chl aug.
- massive o/c

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 125 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 670583 6113398

- o/c on Main @ KM 4
- hb-bt phyric dyke cutting
greenish conglom and mudst on
- conglom has mudst clast
- dark carb sst chsts in soil
- may be IKS seds

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 14 N of McDougall Crt

DATE July 31 TRAVERSE PAGE [ ]

STN/SUB 126 TYPE o/c ELEV 890 MAP ROCK
MIN ALT MET FOSS
NOTES 686535 6123390

- o/c along road, small quarry
- light greenish grey silty mudstone
conchoidal frac, nubbly weath
- v. f.g. feld
- weathers greenish
- bivalve fossils, some wood frags
- no obvious bedding
- concretions ?
- spherical weathering pattern

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
so	247	76	NW	From joints 11 to 50? "beds" 5 - 20 cm Not reliable!	CHEM [ ] PETR [ ] FOSS [✓] HAND [ ] AGE [ ]

PHOTOS

STN/SUB 127 TYPE o/c ELEV 900 MAP ROCK
MIN ALT MET FOSS
NOTES 685944 6123881

- o/c on N side of road in ditch
- light greenish grey mudstone:
and grey feldspathic wacke
- medium bedded
- finely laminated silty beds or tuffaceous beds,

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
so	125	25	SW	contact between mud + sandy beds	CHEM [ ] PETR [ ] FOSS [ ] HAND [ ] AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 128 TYPE O/C ELEV 910 MAP ROCK
MIN ALT MET FOSS
NOTES 684881 6124768

- outcrop greenish wacke & siltstone
- in ditch
- large blocks in colluvium
- belemnite poles, bivalves similar to 126 + 127?
- wood frags up to 20cm, wood chips common
- white calcite lasts 1mm
- olive to brownish green weath.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	195	17	NW		CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 129 TYPE O/C ELEV 935 MAP ROCK
MIN ALT MET FOSS
NOTES 684658 6125619

- similar to 128 feld wacke, banded slst.
- large belemnites 5-8 cm
- trachytic text volc
- feldspathic greenish wacke
- thin bedded alt dark + light beds - banded, to med bedded.
- dc continues in ditch for 150 m

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	137	17	SW	wacke	CHEM [ ]
SO	150	15	SW	feld wacke	PETR [ ]
SO	138	18	SW		FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 130 TYPE O/C ELEV 940 MAP ROCK.
MIN ALT MET FOSS
NOTES 684459 6126148

large O/C + quarry next to road on W side
- medium bedded light green, greyish green, cream maroonish grey and maroon mudstone and siltstone
- limy in places
- few belemnites
- deeper water than 128-129
- Silty mudstone finely lam in places.
- O/C 150-200 m long.

TYPE	S/A	D/P	DIR	REMARKS
80	140	24	SW	5-20 cm beds
50	150	16	SW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #19 - bedding in mudstone / siltstone

STN/SUB 131 TYPE O/C ELEV 1070 MAP ROCK
MIN ALT MET FOSS
NOTES 687083 6124666

- SW facing cliff at edge of cut block
- top of cliff massive blocky grey to orange weath, greenish grey
- bladed feld phyric volc
- feld laths .5-2 cm long 35-40%
- mafic minerals chloritized aug.
- some calcite filled amygdules
- trachytic texture
- similar to rock at STN 129
- flows probably flat lying

TYPE	S/A	D/P	DIR	REMARKS

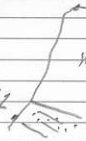
SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 132 TYPE o/c ELEV 1030 MAP ROCK
MIN ALT MET FOSS
NOTES 686889 6124770

o/c near base of cliff
- med to thin bed fld wacke, siltstone
- maroon/gray, white feld frags 40-50%
- underlies flows
- well bedded
- belemnite holes
- some bivalves
- fine mud layers interbed c̄ wacke



TYPE	S/A	D/P	DIR	REMARKS
SO	0	19	E	
SO	355	25	NE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 133 TYPE o/c ELEV 950 MAP ROCK
MIN ALT MET FOSS
NOTES 686405 6123855 (Road)

o/c above road near start of c/c
- brown weath thick bed feld wacke
f.gr. feld clasts < 1mm
- few belemnite holes
- greenish gray on fresh surface.
- occasional wood frag.

TYPE	S/A	D/P	DIR	REMARKS
SO	133	31	SW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 134 TYPE O/C ELEV 910 MAP ROCK
MIN ALT MET FOSS
NOTES 6864 22 6123465

- O/C along road in trees at edge of clc
green field wacke, wood frags
- same at road junction
- green siltstone c̄ well preserved
ammonites.
- wood frags, bivalves (smooth clams)

TYPE	S/A	D/P	DIR	REMARKS
SO	160	35	SW	at junction

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [✓]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 15

DATE Aug 1 1996 TRAVERSE PAGE [ ]

STN/SUB 135 TYPE o/c ELEV 925 MAP ROCK SLSN
MIN ALT MET FOSS
NOTES 682794 6125692

- o/c on NW trending hill
- brownish grey weathering med grey siltstone
- flaggy weathering
- gentle southwesterly dip
- 275° to from o/c on next ridge to W
- wood frags, rail brackes
- some limestone float
-

TYPE	S/A	D/P	DIR	REMARKS
SO	160	10	SW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 136 TYPE o/c ELEV 925 MAP ROCK SLSN
MIN ALT MET FOSS
NOTES

- small o/c in new road cut
- same as 135

TYPE	S/A	D/P	DIR	REMARKS
SO	126	15	SW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MIM/07/89

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STN/SUB 137 TYPE O/C ELEV 915 MAP ROCK
MIN ALT MET FOSS
NOTES 682904 6125637

- O/C in road cut on east side of NW trending hill
- very fossiliferous brownish grey siltstones
- large belemnites holes with calc belemnites preserved
- large ammonites, bivalves, small ammon sim 134
- greenish grey mudstone
- similar to STN 129

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES	
					CHEM [ ]	
					PETR [ ]	
					FOSS [ ]	✓
					HAND [ ]	
					AGE [ ]	

PHOTOS

STN/SUB 138 TYPE O/C ELEV 935 MAP ROCK
MIN ALT MET FOSS
NOTES 683277 6124570

- Knoll of O/C at south end of cc
- all flaggy tan to orange brown weath siltstone
- numerous belemnite holes in place
- similar to STN 135
- sltst is med grey, f gr
- some bivalves, wood frags
- gentle SW dip.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES	
SO	182	17	NW	no reliable may be slumped	CHEM [ ]	
					PETR [ ]	
					FOSS [ ]	
					HAND [ ]	
					AGE [ ]	

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 139 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 686152 6122074

- chain of o/c along w trending ridge in c/c
- orangy brown blocky weath greenish grey to green trachytic basalt
- same as 132
- trachytic texture .5-2cm plag laths
- sill, dips gently S?

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 140 TYPE O/C ELEV 920 MAP ROCK
MIN ALT MET FOSS
NOTES 683776 6122278

- large area of o/c on N facing slope
- massive pinkish grey blocky weath trachyte porph basalt or diorite
- more intrusive looking sill?
- fresh augite? sample for Ar-Ar

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [✓]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 141 TYPE O/C ELEV 855 MAP ROCK
MIN ALT MET FOSS
NOTES 686848 6120598

o/c on N side main road
- blocky massive f.gr. pink to maroon rhyolite or rhyodacite
- aphanitic

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 142 TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 688675 6124638

- o/c on road in cut block at base of slope on east face of Wedge Mtn
- m - f.gr. dark grey fresh lt feld phyric andesite 1-2mm bt + plag
- very fresh, rectilinear jointing, faint trachytic texture
- also in ditch down road - coal! coal c̄ bands of pyrite

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 143 TYPE O/C ELEV 835 MAP ROCK
MIN ALT MET FOSS
NOTES

O/C 200 m down road from 142
- greenish grey feld porp with 10-15% feld lath clusters in f. gr. greenish matrix
- sits on very carbonaceous rubbly seds (coal?) weath to black chips.
- paleosol at base of flow?

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #21 - photo of flat qz

STN/SUB 144 TYPE O/C ELEV 850 MAP ROCK
MIN ALT MET FOSS
NOTES 688713 6125588

- end of road
- area of travertine deposits.

- bend in road, road going east 689395 6123073

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 145 TYPE O/C ELEV 790 MAP ROCK
MIN ALT MET FOSS
NOTES 688632 6120531

- small knoll
- coarse grained bladed feld porph
- similar to previous stns
- feld larger, longer.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 16

DATE Aug 2, 1996 TRAVERSE PAGE [ ]

STN/SUB 146 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 662588 6122307

large o/c in clear cut
- greenish grey feldspathic wacke
- belemnite holes, wood frag. up to
- flat lying breccia zones healed
with quartz - vuggy - assay sample
- calc concretions

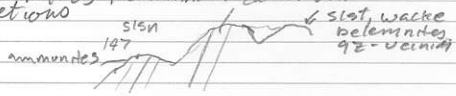
TYPE	S/A	D/P	DIR	REMARKS
SO	198	70	NW	
SO	200	78	NW	

SAMPLES
CHEM [ASSAY]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #21 - flat lying qz healed breccia cutting seds

STN/SUB 147 TYPE o/c ELEV 960 MAP ROCK
MIN ALT MET FOSS
NOTES 662607 6122534

- thin bedded sandy beds - x - bed
- belemnites
- x beds, indicate tops to NW
- o/c along strike from 146
- white weath, greenish to dark grey.
- feldspathic, 1-2 mm
- ammonites, belemnites carb mudst
- concretions



TYPE	S/A	D/P	DIR	REMARKS
SO	193	80	NW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [✓]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 148 TYPE o/c ELEV 1020 MAP ROCK
MIN ALT MET FOSS
NOTES

- o/c on top of ridge, first knoll going NE
- white, rusty chem qz-fd phyric tan to cream coloured rhyolite or rhyodacite; pinkish in places.
- rusty fractures red-orange Fe Ox
- 2-3 mm qz fd phenos 10-15% in f-g. siliceous pinkish matrix.
- Mn Ox on fractures
- layering suggests ash flow or sill?
- sparse feld phenos up to 4mm 5-10%

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
FB	200	56-60	SW	not well developed	CHEM [ ]
SO	180	52			PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 149 TYPE S/C ELEV 970 MAP ROCK
MIN ALT MET FOSS
NOTES

- small subcrop of brown weath. dark grey shaly carb mudst + slst
- some sparse feld xtal frags.
- subcrop on road

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

TRAV 17 WEDGE MTN

DATE Aug 7/96 TRAVERSE PAGE [ ]

STN/SUB 150 TYPE S/C ELEV 1120 MAP ROCK
MIN PY ALT MET FOSS
NOTES

- subcrops on west side of knoll along ridge
- rusty weathering hornfelsed seds and intrusive
- 2-5% frac + dissem py
- intrusion is pinkish qz monz?
- assay sample

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ASSAY]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 151 TYPE o/c ELEV 1120 MAP ROCK
MIN ALT MET FOSS
NOTES 687652 6124571

o/c at base of overturned tree
- f - m.gr. pinkish grey intrusive rock
- dissem + frac controlled pyrite
- rectilinear jointing
- pinkish cast + spots
- some biotite specs
- further N float at base of old overturned trees is m-cgr. qz diorite to diorite

TYPE	S/A	D/P	DIR	REMARKS
J	115	78	SW	
J	325	90		
J	150	48	SW	

SAMPLES
CHEM [ASSAY]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 152 TYPE OC ELEV 1150 MAP ROCK
MIN ALT MET FOSS
NOTES 687607 6124802

- O/C of M - c.gr. pinkish grey quartz monzonite to diorite, qz diorite
- fresh biotite
- pinkish feldspar → kspar ?
- blocky weath, resistant
- trace py
- toward top of hill rock becomes pink + weathered mafic → chl
- looks like Topley intrusions.

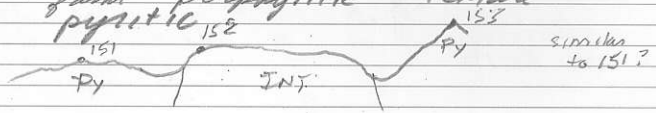
TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 153 TYPE S/C ELEV 1240 MAP ROCK
MIN ALT MET FOSS
NOTES 687501 6125990 687711 6125907

- subcrop at top of grassy slope
- blocky to flaggy weathering
- pink + orange mottled grey f.gr. rock - hornfels? intrusive?
- faint porphyritic texture
- pyritic



TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

687469 6126031

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 154 TYPE O/C ELEV 1250 MAP ROCK
MIN ALT MET FOSS
NOTES 687469 6126031

- few small o/c
- biotite qz diorite similar to 152
- fresh, trace pyrite

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 155 TYPE O/C ELEV 1265 MAP ROCK
MIN ALT MET FOSS
NOTES 687485 6125719

- large area of o/c
- coming along ridge dark grey bt qz monz
- on east side of ridge pink biotite qz monzonite & monzonite

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 156 TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- O/C on road (location approx)
- trachytic basalt c̄ carbonate? veining

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

TRAV 18 HAUTETE Rd

DATE Aug 8, 1996 TRAVERSE PAGE [ ]

STN/SUB 157 TYPE o/c ELEV 900 MAP EBr ROCK
MIN ALT MET FOSS
NOTES 684272 6119029

W edge of cutblock - 684743 6118670
- small o/c on NW end of knoll
- white to cream weath white rhyolite
- sugary textured c̄ orange Fe ox
- orange + red ox on weath surf

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 158 TYPE o/c ELEV 970 MAP ROCK
MIN ALT MET FOSS
NOTES 680271 6118192

- end of Takla Rd 680036 6119260
- brown weath siltstone
- belemnite holes
- small o/c in c/c steep slope.

TYPE	S/A	D/P	DIR	REMARKS
SO	28	21	SE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 19

DATE Aug 9/96 TRAVERSE PAGE [ ]

STN/SUB 159 TYPE Float ELEV 920 MAP ROCK
MIN ALT MET FOSS
NOTES 681420 6117264

- hill in clearcut off Takla Rd
- angular float of feldspathic wacke, brown reddish brown weath
- blocks up to 1m

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 160 TYPE O/C ELEV 920 MAP ROCK
MIN ALT MET FOSS
NOTES 682652 6117083

- O/C in road cut in new c/c
- massive augite-feld phyric basalt or basaltic andesite; dark grey to greenish grey
- square aug phenos to 5 mm 5-10%
- 1-2 mm feld 35-40% in f.gr. matrix
- some f.gr. dark grey basalt
- not magnetic
- some ep + qz veinlets

end of rd. 680518 6114663 1030m

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 161 TYPE O/C ELEV 930 MAP MUJA ROCK SLSN
MIN ALT MET FOSS
NOTES 687284 6108216

- o/c in rock pit @ JINX 3z
dark grey siltstone
- banded in places
- med to thick bed.
- graphitic streaks
- black bivalves, pelecypods, wood frags
- intensely veined in places.
- some limestone
- soft sed deformed rip up beds
- some light grey sandy beds c̄ wood.

TYPE	S/A	D/P	DIR	REMARKS
SO	05	60	SE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- end of o/c 692631 6113013

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 20

DATE Aug 12 196 TRAVERSE PAGE [ ]

STN/SUB 162 TYPE O/C ELEV 900 MAP 1MJV ROCK LPTF
MIN ALT MET FOSS
NOTES 677516 6111448

- large knoll of o/c in c/c
s of Booker gold camp
- grey lapilli tuff → maroon at top of hill
- maroon and grey lapilli clasts
up to 5 cm. ave 2 - 3 cm.
- massive resistant unit
- thick bed, greenish grey flows, flow top bx
- qz-cp veinlets, trace py, cp
- some angular felsic clasts.
- also f. gr. greenish grey ash + xtal tuff
- cut by microdiorite
- avg porph in places

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 163 TYPE O/C ELEV MAP 1MJV ROCK
MIN ALT MET FOSS
NOTES 678080 6111355

- next large knoll of o/c going
up hill to E
- interbedded lapilli tuff, chert, flow
band rhyolite, debris flow with blocks
to 1m in brown weath matrix - mud
- o/c brown to light greenish grey
- dark chert beds, and felsic clasts, matrix sup.
- siliceous beds c̄ felsic clasts (flow band)
- locally magnetic, filmar phyric
- chaotic disrupted bedding
- basalt locally amygdaloidal
- rhy c̄ flow band cont intrudes lahar c̄ maroon ves volc.

TYPE S/A D/P DIR REMARKS
285 65 NE

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS ~~Fn~~ N end lahar c̄

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 164 TYPE o/c ELEV 1040 MAP ROCK
MIN cpy ALT ep MET FOSS
NOTES 678106 6111229

- prominent knoll of o/c
- at base on W side grey ash
  flow tuff, mod dip NE
- white weath rhyolitic tuff, feld rhyolite
  flow banded in places, light greenish grey
- breccia c̄ m.gr. diorite clasts
- brown weath basalt
- rhyolite and basalt interfingered
- rhyolite intruding volc?
- amygdaloidal basalt c̄ cpy, mal.
- on N end

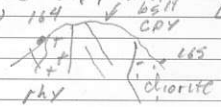
TYPE	S/A	D/P	DIR	REMARKS

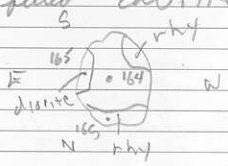
SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 165 TYPE o/c ELEV 1050 MAP ROCK
MIN ALT ep MET FOSS
NOTES

- E side of knoll
- m.gr. diorite, frac, veined, ep
- diorite appears brecciated c̄ calcite
  filled cavities





TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 166 TYPE O/C ELEV 1010 MAP ROCK
MIN ALT MET FOSS
NOTES

O/C on N side of Knoll
- white weath mod. pinkish grey qz monzonite to rhyodacite
- greenish specs chlorite after biotite?
- trace py cp
- gritty weathering surface,
- low intrusion - no nonfels?
- quart3 rich → rhy in comp.
- sill like body
-

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

TRAV 21 HIGHLAND MAIN

DATE Aug 14/96 TRAVERSE PAGE [ ]

STN/SUB 167 TYPE o/c ELEV 955 MAP ROCK
MIN ALT MET FOSS
NOTES 680225 6124922

- o/c in cleared area east of Highland Main road.
- old Dorothy (Haut) property
- BFP c̄ weak clay alt of feld biotites chloritized
- py, cp on widely spaced frac
- sample for assay
- old drill site about 100m further along road and down slope to W.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ASSAY]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 168 TYPE o/c ELEV 985 MAP ROCK
MIN ALT MET FOSS
NOTES 680066 6125571

- o/c on Highland Rd, old Dorothy Prop
- moderate qz - ser - py alt porph qz diorite + lap ill, tuff, grey c̄ orange weath rind
- 5 - 15% dissem + frac cont py
- feld alt → ser, clay
- cut by by dark bfp c̄ cp on frac, magnetic, fresh bt
-

TYPE	S/A	D/P	DIR	REMARKS
DYKE	290	90		BFP - dark

SAMPLES
CHEM [ASSAY]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [?]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 169 TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 679917 6125736 → 679794 6125910

o/c on road, old Dorothy prospect
- assay sample KR-96-59 on ribbon
- o/c of Grey qz ser py alt BFP
- rusty on frac, orange weath rind
- exposure over 300m
- assay sample towards end ok
- dykes? of dark porph cutting qz ser py alt BFP
- last exposure dark porph c̄ intense frac controlled veining py, cp. assay sample
- fresh biotite? age date sample.
- assay ribbon KR 96-53
- last o/c intense qz ser py c̄ dark porph zones.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ASSAY]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ARAR]

PHOTOS

STN/SUB 170 TYPE o/c ELEV 990 MAP ROCK
MIN ALT MET FOSS
NOTES 679805 6126152

- quarry on east side of road
- 400+ m from start of o/c
- bfp c̄ moderate qz-ser py alt
- biotite fresh in places
- feld → clay c̄ orange oxidized rims
- 5-10% py dissem + frac
- off map sheet → 93M8
- just before last cut line

TYPE	S/A	D/P	DIR	REMARKS
J	344	88	NE	- prom joint
J	60	85	SE	- gouge of joint face
J	265	80	NW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 171 TYPE o/c ELEV 950 MAP ROCK
MIN ALT MET FOSS
NOTES

o/c in creek at Dorothy
- well jointed sparse hb-bt-qz fd porph
- small clusts of qd c̄ cu min?
- prob post mineral dyke
- col. jointing?
- also hb physic int or flow
f.gr. grey c̄ 2-3mm hb needles
- dykes cut bfp c̄ pink qz veinlets, fresh biotite
Claim post DOT 3+4 International Corona, py, cp in veinlets
B. Hobson Sept 14, 1991

TYPE	S/A	D/P	DIR	REMARKS
J	250	82	SE	conjugate set
J	327	26	SW	
J	232	80	SE	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 172 TYPE S/C ELEV 920 MAP ROCK
MIN ALT MET FOSS
NOTES 681476 6123169

small S/C next to new logging rd.
- dark grey biotite hornfels
- py on fractures
- poss andesite or basalt

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 173 TYPE S/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 681309 6123806

- claim post IP DOT 6, 7 L. Hewitt April 16/96
- angular blocks of weakly clay alt
bxp and biotite hornfelsed volc

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 174 TYPE O/C ELEV 1000 MAP ROCK
MIN ALT MET FOSS
NOTES 681405 6124149

- good o/c in road cut
- f.m.gr. dark grey sub porph
microdiorite
- plag laths to 5 mm
- augite phenos 1-2 mm
- diorite text visible on weath surface
- rusty fractures
- plag is fresh; glassy
- faint pinkish cast

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 175 TYPE Float ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 681137 6124475

- angular blocks of bFp float in till
- Pyrite, ep after feld, Kspar alt'n down ice from Dorothy

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 176 TYPE O/C ELEV 1060 MAP ROCK
MIN ALT MET FOSS
NOTES 680871 6125239

- area of O/C at top of hill on road, both sides of road.
- dark greenish gray diorite to gabbro
- fresh plag laths to 1cm
- dark mafic rich groundmass.
- trachytic texture on weath surface.

TYPE	S/A	D/P	DIR	REMARKS
J	030	08	SE	flat joints

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [AR-AR]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 177 TYPE O/C ELEV 1070 MAP ROCK
MIN ALT MET FOSS
NOTES

- o/c in cut beyond end of road.
- trachyte text (diorite to gabbro
- similar to 176.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 22 U-Pb / Ar-Ar

DATE TRAVERSE PAGE [ ]

STN/SUB 178 TYPE O/C ELEV 925 MAP 15T ROCK
MIN ALT MET FOSS
NOTES 676043 6114032 NAD 27

- o/c of grey ash flow - ignimbrite
- sampled for U-Pb

U-Pb Sample

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [U-Pb]

PHOTOS

STN/SUB 179 TYPE O/C ELEV 805 MAP EBr ROCK
MIN ALT MET FOSS
NOTES 668080 6117181 NAD 27

- o/c on Morrison Main around 8 km bridge
- rusty rhyolite, sugary text & black specks
- also flow banded, high silica zones
- trace py
- carbonate veins

U-Pb Sample

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [U-Pb]
Ar-Ar

PHOTOS

MLM/07/89

TRAV 23 - DETRITAL U/Pb
c̄ Mike Villeneuve

DATE Aug 16/96 TRAVERSE PAGE [ ]

STN/SUB 180 TYPE O/C ELEV 870 MAP mJS ROCK WCKE Fd
MIN ALT MET FOSS
NOTES 665827 6120476

- large road cut at 13 on Morrison main, NE of Saddle Hill
- feldspathic wackes c̄ bivalve rich beds, belemnites, bivalves c̄ smooth pelecypods
- maroonish grey to greenish grey
- grades up into shaly siltstone
- strongly deformed in places
- bulbous weathering pattern
- limy beds, limy mudstone ⊖ Pelecypod

TYPE	S/A	D/P	DIR	REMARKS
SO	135	72	SW	NW end of O/C
SO	226	77	NW	SE " " "

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [✓]
HAND [ ]
AGE [U-Pb]

PHOTOS

STN/SUB 181 TYPE O/C ELEV 950 MAP mJS ROCK
MIN ALT MET FOSS
NOTES 662560 6122108 on road (oc 100 m NE)

- O/C in clearcut E of 1600 Rd.
- see previous STN notes
- greenish wacke c̄ belemnite holes rare bivalves, round concretions to 10cm

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [U-Pb]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

Ar - Ar sample Hearne Hill
MH 96-44 141'
fresh bhfp - trace sulphides

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 182 TYPE OIC ELEV 711 MAP ROCK
MIN ALT MET FOSS
NOTES

- OIC on W shore of Sabine
- steeply dipping beds of grey frac + banded limestone and maroon limy slst
- similar to sect at Fulton Lake.
- limest beds have white weath on surface → CaCO3 coating
- further down toward Granite maroon and green sheared volc or sed fragmental?
- CaCO3 on OIC surface

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	285	85	NE	not reliable	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

TRAV 24 BELL MINE

DATE Aug 17/96 TRAVERSE PAGE [ ]

STN/SUB 183 TYPE O/C ELEV 711 MAP 1J ROCK
MIN ALT MET FOSS
NOTES

- O/C low N shore of MacDonald Island
- massive to amygdaloidal basalt
- underlies Nilkitkwa Fm.
- sampled for whole rock Ar-Ar.

= IWE 95-266

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [Ar-Ar]

PHOTOS

STN/SUB 184 TYPE O/C ELEV 840 MAP ROCK
MIN ALT MET FOSS
NOTES

- basalt dykes cutting fd porph that gave 107 Ma U-Pb age
- dark greenish grey, fine-grained basalt
- cuts greenish grey feld porph ~ alt hb., resorbed plag 2-5mm 10-15%
- also f.gr. pink sparse feld porph very siliceous → 1-2mm plag in dense sil pink matrix

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [Ar Ar.]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

* Stop at o/c on east side of tailings extension dam

Conglom or debris flow c̄ rounded 5 - 20 cm cobbles feld physic basalt or andesite and vesicular (amygdaloidal) basalt
Rock greenish grey on fresh surface overlain by dark slst to mudstone c̄ white feld + lithic frags.

TYPE S/A D/P DIR REMARKS ANTICLINE

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

E of Hearne Hill TRAV 25

DATE Aug 20/96 TRAVERSE PAGE [ ]

STN/SUB 185 TYPE o/c ELEV 1330 MAP 15T ROCK
MIN ALT MET FOSS
NOTES

o/c near crest of hill
- maroon m.gr. porp aug-Fd andesite
- amygdaloidal, $CaCO_3$
- augites 2-4mm, chloritized?
- ep alt + trace py
- prob JT flow
- Pl 2-4mm 25-30%

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 186 TYPE o/c ELEV 1375 MAP 15T ROCK
MIN ALT 6772 77 MET 6117 696 FOSS
NOTES

- o/c at top of hill
- maroonish grey porph andesite
- fd 2-4 mm, 25-30%
- chlorite clots (augite)
- amygdaloidal
- epidote
- grades into greenish grey f.gr. porph and not amygdaloidal

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 187 TYPE O/C ELEV 1330 MAP 15T ROCK ANDS
MIN ALT MET FOSS
NOTES

- cliffs on west slope off ridge
- massive maroon. felt phyric andesite
- ep clots
- amygdules in places
- blocky. diff forming flows.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 188 TYPE O/C ELEV 1235 MAP ROCK
MIN ALT MET FOSS
NOTES 676345 6117971

- light greenish grey to pinkish grey f gr f.d phyric andesite or
- green chloritic clots microdiorite
- massive blocky weath sugary text
- similar to 187? not maroon
- pinkish selvages on veinlets
- alteration envelopes?

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 189 TYPE O/C ELEV 1230 MAP ROCK
MIN ALT MET FOSS
NOTES

- subcrop on east facing slope west of swamp and near edge of road
- bleached volcanic & rusty fractures
- may be old excavation
- most of o/c is f.gr. maroon tuff or andesite.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 190 TYPE O/C ELEV 1255 MAP ROCK
MIN ALT MET FOSS
NOTES

- small o/c in road cut
- crumbly maroon lapilli tuff?

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 26 NIZIK Rd.

DATE TRAVERSE PAGE [ ]

STN/SUB 191 TYPE O/C ELEV 1050 MAP MUJA ROCK
MIN ALT MET FOSS
NOTES 684662 6104233

- float of green siltstone, c̄ large ribbed ammonites (Andy's ammonite local
- found in road bed, may not be local
- bivalves - Trigonia?
- probable o/c in ditch - green siltstone, amy basalt?

TYPE	S/A	D/P	DIR	REMARKS
SO	80	25	SE	poss

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 192 TYPE O/C ELEV 1050 MAP MUJA ROCK
MIN ALT MET FOSS
NOTES 684485 6104277

- o/c in ditch beside road
- green siltstone
- large + small coiled ammonites
- bivalves - Trigonia?
- numerous large belemnite poles

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [✓]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 193 TYPE O/C ELEV 1120 MAP ROCK
MIN ALT MET FOSS
NOTES

o/c in ditch, poorly exposed
- dark green siltstone and sst
- few belemnites
- light green f.gr. beds tuffs?
- pyritic + rusty in places
- further along small white rhy dykelet.
- siltstone bleached at contact
- sandy beds 1-2cm define bed
- gentle S dip.
- varies from f.gr. siltstone → c.gr. feldwacke

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 194 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 682904 6105003

- at end of o/c and at top small rise
- m.gr. brown weath green diorite intrudes well bedded seds - black siltstone
- spowded subporph text 1-2 mm plag, alig, hb visible on weath surf.
- green due to chl.
- contact - 683054 6104798

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
CONT	170	90		DIORITE / SED CONT.	CHEM [ ]
SO	170	20	SW		PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 195 TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 682612 6105230

- o/c along road, S side
- brown weath, m - f.gr. greenish grey diorite
- trace py
- 1-2mm aug + fd
- aug → dark green chl
- crowded porph text on weath surf.
- diorite to gully just before cut block

TYPE S/A D/P DIR REMARKS SAMPLES

CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 196 TYPE ELEV 1150 MAP ROCK
MIN ALT MET FOSS
NOTES 682188 6105202

- o/c along road in cut block
- more green diorite
- m.gr. greenish grey c̄ spotted text
- brown weath

TYPE S/A D/P DIR REMARKS SAMPLES

CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 197 TYPE O/C ELEV 1160 MAP ROCK
MIN ALT MET FOSS
NOTES 682137 6105595

- small o/c in road cut
- dense f.gr black sil sed
- hornfelsed
- highly fractured
- locally curly
- dark f.gr siltstone
- occasional belemnite
- o/c for ~100 m
- med - thin bedded.
* 681976 6105591

TYPE	S/A	D/P	DIR	REMARKS
SO	80	25	SE	poss bedding better
SO	110	20	SW	
SO	110	18	SW	"

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 198 TYPE O/C ELEV 1210 MAP ROCK
MIN ALT MET FOSS
NOTES 681736 6105967

- more dark f.gr siltstone.
- few belemnites
- road cut used for road metal

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 199 TYPE o/c ELEV 1240 MAP ROCK
MIN ALT MET FOSS
NOTES 681613 6106383

o/c at end of road back of landing
- grey feldspathic wacke interbedded c̄ siltstone
- belemnites in siltstone & wacke

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 200 TYPE o/c ELEV MAP TRJT ROCK
MIN ALT MET FOSS
NOTES 689828 6104577

- o/c in rock quarry
- pink to salmon m-cgr
- Kspar rich syenite → monz
- Topley int.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV 27 LITTLE ROAD

DATE TRAVERSE PAGE [ ]

STN/SUB 201 TYPE o/c ELEV 1050 MAP mu JA ROCK
MIN ALT MET FOSS
NOTES 683578 6101549

o/c along cat road in clearcut
- rusty brown weath dk grey siltstone
- belemnite holes
- shallow S dip? indicated by belemnites

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 202 TYPE o/c ELEV 1075 MAP ROCK
MIN ALT MET FOSS
NOTES 683534 6101609

- in road bed along cat trail
- light greenish grey banded quartzo feldspathic wacke (f.gr. equiv of Trout Creek?)
- grains 2-3 mm, subangular, mod soft
- light grey silty bands.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 203 TYPE o/c ELEV 1090 MAP ROCK
MIN ALT MET FOSS
NOTES 683369 6101380

- o/c on edge of c/c and in trees
- greenish grey siltstone + wacke
wacke similar to 202

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 204 TYPE o/c ELEV 1140 MAP UJ3 ROCK
MIN ALT MET FOSS
NOTES

o/c along S trending ridge
all med + thick feld. wacke
greenish grey
mod sorted
no fossils
- overlies dark siltstone

TYPE	S/A	D/P	DIR	REMARKS
SO	180	20	W	poss 3rd.

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 205 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 683627 6101077

- small o/c along S perimeter of cut
- dk. greenish grey f-m.gr. siltstone
- medium bedded
- occasional belemnite.

TYPE	S/A	D/P	DIR	REMARKS
SO	215	08	NW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 206 TYPE O/C ELEV 1100 MAP ROCK
MIN ALT MET FOSS
NOTES 684022 6101164

o/c near S end of roll of cut
- f-gr. dark grey siltstone
- massive, blocky weath.
- rusty, locally 1-5% fgr. diseem px

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 207 TYPE O/C ELEV 1135 MAP ROCK
MIN ALT MET FOSS
NOTES

- o/c on top of hill
- exposed below overturned tree
- dark grey f.gr. py siltstone
- hornfels?

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 208 TYPE O/C ELEV 1095 MAP ROCK
MIN ALT MET FOSS
NOTES 684289 6101302

- small o/c in clearcut.
- f.gr. dk grey sist, f
- finely dissem py.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

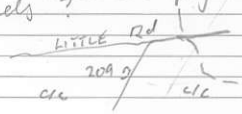
PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 209 TYPE O/C ELEV 1035 MAP ROCK
MIN ALT MET FOSS
NOTES 683950 6101426

- O/C in road cut just off main road
- med bedded dark grey s/st
- Faint banding on weath surf
- finely dys'em py
- nonfels ?



TYPE	S/A	D/P	DIR	REMARKS
SO	240	20	NW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 210 TYPE O/C ELEV 1125 MAP ROCK
MIN ALT MET FOSS
NOTES

- medium to dark grey brown to rusty weath sillstone.
-

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 211 TYPE O/C ELEV 1190 MAP ROCK
MIN ALT MET FOSS
NOTES 685460 6101162

- large o/c on crest of hill
  to NE trending cliff face
  on NW side
- rusty weath, blocky frac
  f.gr. sugary text dark
  grey to bleached hornfelsed sed
- locally pyritic

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

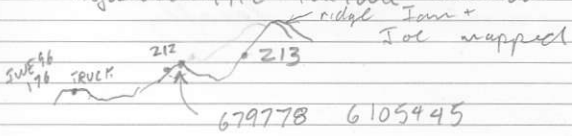
MLM/07/89

TRAV28 RIDGE E of HAGEN Rd

DATE 09/03/96 TRAVERSE PAGE [ ]

STN/SUB 212 TYPE o/c ELEV MAP 1m Jr ROCK
MIN ALT MET FOSS
NOTES 679829 6105454

- mass area of o/c
- brown weath, green feld phyric basalt - bluish dark green colour
- some carb veins, amygdules?
- hyaloclastite texture common



TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS photo #14 - looking toward Old Fort

STN/SUB 213 TYPE o/c ELEV MAP 1m Jr ROCK
MIN ALT MET FOSS
NOTES 679993 6105446

- large o/c on W facing slope of ridge
- brownish weath lapilli tuff
- 2-5 mm subrounded light greenish grey clasts
- dark green matrix
- crowded, clast supported
- clasts are f.gr. + cherty

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE . TRAVERSE PAGE [ ]

STN/SUB 214 TYPE O/C ELEV MAP 1mJV ROCK
MIN ALT MET FOSS
NOTES 679770 6105257

- large o/c at crest of W facing slope
- brown weath feld phyric basalt
- local hyaloclastite text
- feld 15-20% 1-2mm
- fragmental text locally

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 215 TYPE O/C ELEV MAP 1mJV ROCK
MIN ALT MET FOSS
NOTES

- on crest of hill 2-300 m S of 215
- same as 214
- crowded lap.lli tuff c felsic clasts.
- to W at crest of hill is mass green basalt or microdiorite
- lp alt.
- clasts resist on weath surf.
- ∅

TYPE	S/A	D/P	DIR	REMARKS

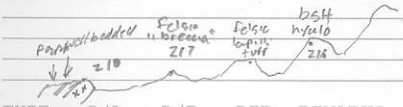
SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 216 TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 679520 6104764

o/c going down road.
- rounded 2-3 cm white weath felsic volc clasts in brown weath green mafic matrix
- clast supported - breccia c̄ milled clasts.
- airfall, autobrecciated.



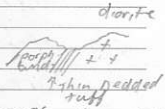
TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS #15

STN/SUB 217 TYPE o/c ELEV MAP ROCK DORJ
MIN ALT MET FOSS
NOTES 679220 6104950

- brown weath, mass o/c cut by road
- median greenish grey to green diorite to gabbro sill?
- mafics chloritized
- epidote veinlets + dots. heavy in places.
- chl after augite
- layered rocks down slope.
- qz veining.
- tuff overlain by flow c̄ 3-5m 25-30% plag xtals. porph basalt or andesite. than diorite



TYPE	S/A	D/P	DIR	REMARKS
SO	130	35	SW	} well bedded f.gr. tuff
SO	158	27	SW	

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 218 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 679044 6104889

o/c along road
- rusty oxidized to bleached lapilli tuff + seds

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 219 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 678864 6105053

- O/C in road cut just east of small lake
- rusty orange weath conglom angular finely lam siltstone clasts + blocks
- also lapilli tuff c̄ felsic clasts + 2-4 mm plag + tals
- breccia or debris flow?
- fault zone? silicified epithermal alt.
- bleached c̄ an orange weath rind.
- close to edge of graben.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ASSAY]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 220 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 679042 6104534

- o/c in trenched area east of road
- rusty orange weath greenish grey volc
- strong carbonate veining, brecciated bleached + altered
- in places rock is f.gr. maroon to mauve tuff or siltstone
- intense frac + veining, some slitensides
- Telkwa fm?
- irregular limestone patches

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 221 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 678985 6104246

- o/c on West side of road
- maroon to med grey tuff
- Telkwa Fm?
- feld phyric 1mm 5-10%
- locally brecciated + veined.
- o/c east of road is white weath rhyolytic
- borrow pit down road is orange weath highly frac maroon volc.
- locally brick red.
- strongly veined + frac, local clay alt.
- elsewhere rock is green, feld phyric

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

TRAV

DATE Sept 4/96 TRAVERSE PAGE [ ]

STN/SUB 222 TYPE O/C ELEV 1320 MAP ROCK
MIN ALT MET FOSS
NOTES 680612 6110125

- at crest of hill NW of c/c
- lapilli tuff or volc conglom
- .5 - 2 cm subrounded felsic clasts
- clasts supported, crowded 10-15% matrix
- monolithic
- similar to rocks in lmJv section?
- light grey on fresh surface
- ash flow? mod siliceous
- feld phyric, maroonish grey c̄ maroon lapilli locally
- knobbly weath? mass, resistant
- abundant magnetite

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 223 TYPE O/C ELEV 1320 MAP ROCK
MIN ALT MET FOSS
NOTES 680609 6110476

- area of abundant O/C
- massive maroonish grey to dk grey volc & vol
- feld phyric some flow banding?
- varies from siliceous to non sil
- no indication of bedding
- further N fd phyric basalt. Strongly magnetic
- interbed c̄ polymictic volc conglom brown basaltic clasts to 4 cm
- varies pebble to granule congl - clast sup.

TYPE	S/A	D/P	DIR	REMARKS
50	315	75	NE	may be bedding
"	290	64	NW	more likely
	50	40	SW	also possible in conglom

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

cont'd
- section is interbedded f.gr. dark grey aphanitic bslt (magnetic and volc conglom.
- conglom has subang felsic clasts matrix supported to clast sup.
- basalt may be dyke.
maroon clasts in conglom basalt?
- o/c is predom conglom

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 224 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 680581 6110385

- area of o/c on east side of swamp
- f.gr. brown weath mafic tuff
- dark grey to maroonish grey
- 1-2% dissem py, cpy weath surf
- faint banding on
- gentle SE dip?

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

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STN/SUB 225 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 680332 6110283

o/c toward crest of ridge
- lapilli tuff xtal + lithic frags 35-50%
feldspathic matrix
- frags .5 - 10cm, subangular
- fd phyric volc clasts
- light grey tuff clasts.
- on weath surf light grey clasts resistant
- magnetic
- interbedded c̄ volc conglom
- frags black feld phyric basalt or and.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 226 TYPE o/c ELEV 1330 MAP ROCK
MIN ALT MET FOSS
NOTES 680082 6110253

- large o/c on west face of ridge
- flow banded dark grey to grey ash flow
- sparsely feld phyric
- massive thick bedded.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	175	38	E	flow banding	CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 227 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 686234 6104705

O/C at top of knoll in
clear cut N of N 31K Rd.
- mass grey biotite qz diorite - diorite
- plag laths 2-3 mm intergrown

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 228 TYPE O/C ELEV MAP LFJT ROCK
MIN ALT MET FOSS
NOTES 691501 6102124

- O/C on Jinx around 24
- pink weath granite
- matics chloritized
- ep veining
- slickensides
- Topley

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

TRAV OLD FORT MTN

DATE Sept 5, 1996 TRAVERSE PAGE [ ]

STN/SUB 229 TYPE o/c ELEV 1575 MAP ROCK
MIN ALT MET FOSS
NOTES

- f/c at Fire Lookout
- massive blocky weath volc or sed
- f.gr. sparsely fd. phyric
- maroonish grey clast
- no sign of fossils
- bedding uncertain
- prob xtal tuff
- rusty on frac py, trace mal.
- hornfels ?
- Claim post Tech Nov 19 1996.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	038	64	NW	.5-1m beds - no major lithologic change.	CHEM [ ] PETR [ ] FOSS [ ] HAND [✓] AGE [ ]

PHOTOS

STN/SUB 230 TYPE o/c ELEV 148 MAP ROCK
MIN ALT MET FOSS
NOTES

- small rounded o/c of m.gr. bfp
- crowded, feld, biotite phyric
- may be dyke
- adjacent o/c f.gr. hornfelsed tuff
- alt light + dark ash beds define bedding.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
DYKE	040	90		10-20 m dyke	CHEM [ ]
SO	242	37	NW	5-10cm beds in tuff	PETR [ ] FOSS [ ] HAND [✓] AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 231 TYPE O/C ELEV 1390 MAP ROCK
MIN ALT MET FOSS
NOTES

- massive blocky weath tuff
exposed at base of cliff
just W of creek
- up to 100% dissem P
- sugary text, siliceous, biotite
- towards end of O/C just
S of take make be f.gt. intrusive

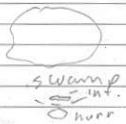
TYPE	S/A	D/P	DIR	REMARKS
SO	145	54	SW	faint banding

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 232 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

o/c at S edge of swamp
massive grey biotite qz diorite
fresh biotite
- source of hornfelsing



TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

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STN/SUB 233 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

- O/c on steep SE face of hill N of lake
- 1000m N of claim post on top
- of Old Fort (Post 2NOW)
- rusty weathering dark grey
- pyritic tuff or siltstone
- 1-5% disseminated
- limonite on fractures
- belemnite holes dipping W at 8°-18%
-

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

TRAV

DATE Sept 6, 1996 TRAVERSE PAGE [ ]

STN/SUB 234 TYPE S/C ELEV 1160 MAP 1JT ROCK
MIN ALT MET FOSS
NOTES 684795 6105747

- angular blocks below overturned trees
- maroon f.d. phyric basalt or andesite
- red specks oxidized mafic
- flow top breccia, locally amygd.
- maroon colours to dark greenish grey
- prob 1JT
- ep veins + clots
- s/c 100 m N of same - carb - chl filled amygdules - magnetic

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 235 TYPE O/C ELEV 1210 MAP ROCK
MIN ALT MET FOSS
NOTES 684717 6106081

- O/C on top of ridge
- green amyg dalaidal basalt

NAT 5 350W 26/08/92 Claim Post

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 236 TYPE o/c ELEV 1220 MAP 1JT ROCK
MIN ALT MET FOSS
NOTES 684617 6106458

- o/c on S end of ridge
- massive o/c of maroon to green amygdaloidal basalt
- cgrlt filled amygdules
- dark green chlorite clots

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 237 TYPE o/c ELEV 1180 MAP 1JT ROCK
MIN ALT MET FOSS
NOTES 684924 6106111

- o/c near break in slope on way back to truck
- E of previous o/c
- same as previous o/c's

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 238 TYPE O/C ELEV 965 MAP ROCK
MIN ALT MET FOSS
NOTES 688179 6102054

- O/C along rd in clearcut
- massive hornb-aug diorite to qz diorite
- ep alt
- fd equant to lath 1-2 mm, white weath
- crowded subporph text
- pyrite
-

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB 239 TYPE O/C ELEV 975 MAP ROCK
MIN ALT MET FOSS
NOTES 688050 6102519

- large area of O/C in clearcut
- rock is e.g. diorite to qz diorite
- plag laths give trachytic text
- long hb needles → chl.
- ep alt.
- brown weath, greenish grey
- contains 3-15 mm equant K spars.

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

TRAV

DATE Sept 7, 1996 TRAVERSE PAGE [ ]

STN/SUB 240 TYPE O/C ELEV 820 MAP ROCK
MIN ALT MET FOSS
NOTES 673247 6116763

O/C on Hearne Hill Rd
- strongly chloritized and sheared c. gr. diorite or mafic fragmental
- specularite, magnetite.
- slikensides.

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 241 TYPE O/C ELEV 850 MAP ROCK
MIN ALT MET FOSS
NOTES 673065 6116491

large O/C on W slope of Hearne Hill
- examination of talus.
- epidolized and chloritized basalt
- aphanitic and sparsely fd phyric
- greenish grey to maroon
- fragmental autobrecciated units
- some sil ash flows?
- probably overlies ash flow unit
- some flow banded ash flows?

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

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STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

con't light greenish grey sparsely fd phyric siliceous ash flow blocks in talus to S
- o/c f.gr. dense muroonish grey volc.
- moderate dip to NE?

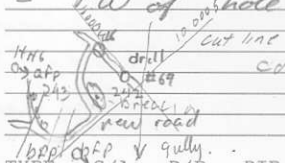
TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 242 TYPE o/c ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 672896 6118439

breccia in contacts c̄ bfp
- bfp has mal on widely spaced fract
- typical breccia bfp - breccia cont @ 100°
- W of hole 16



contact of bfp dyke
050/78 NW
Site of hole 65

TYPE S/A D/P DIR REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 243 TYPE O/C ELEV 1160 MAP ROCK
MIN ALT MET FOSS
NOTES 672826 6118483

- rock exposed in road cut
- near old Texas gulf HH #6
- qfp - c.gr. qz veins, cpy, mal
(98505 10200 W prop grid)
-

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 2 TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

TRAV

DATE Sept 8, 1996 TRAVERSE PAGE [ ]

STN/SUB 244 TYPE O/C ELEV MAP ROCK
MIN ALT MET FOSS
NOTES 656535 6118839

- small O/C in clear cut
- maroon to red, locally green feldspathic tuff, on siltstone.
- white equant feld 10-15%
- limy in places
- occasional 1cm angular felsic clast.
- crystal lithic tuff.

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 245 TYPE O/C ELEV 870 MAP 1JT ROCK
MIN ALT MET FOSS
NOTES 656684 6118653

large cliff face of O/C
- maroon feldspathic tuff
occasional subangular limestone chips
- similar to tuff on cut off rd?
- moss thick bed
- lapilli size clasts
- tuffaceous epiclastic
- limy conglom similar to 1JN?
- 2-4mm feld xtal frags.
- some lime filled cavities 4cm

TYPE S/A D/P DIR REMARKS SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 246 TYPE o/c ELEV 860 MAP ROCK
MIN ALT MET FOSS
NOTES 656332 6119477

o/c on W facing ridge in o/c
- maroon to red tuff.
- feldspathic
- similar to 245

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 247 TYPE o/c ELEV 880 MAP ROCK
MIN ALT MET FOSS
NOTES 656545 6119588

- o/c on W slope of ridge
- maroon feldspathic tuff
- same as prev stn

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 248 TYPE o/c ELEV 960 MAP ROCK
MIN ALT MET FOSS
NOTES 656624 6119618

- o/c near crest of ridge, good exp
- alt green and maroon, feld wacke
- occasional belemnite
- medium to thin bed;
- fine silt, beds maroon to red weath
- wacke 30-40% white weath feld
- more belemnite holes up section
- in top of small wackes are green
- belemnites up to 1cm in diam
- some faint bivalve casts thin ribbed not Weyla

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
SO	330	30	NE	good bedding	CHEM [ ]
SO	330	17	NE	beds 5-10cm	PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

STN/SUB TYPE ELEV MAP ROCK
MIN ALT MET FOSS
NOTES

TYPE	S/A	D/P	DIR	REMARKS	SAMPLES
					CHEM [ ]
					PETR [ ]
					FOSS [ ]
					HAND [ ]
					AGE [ ]

PHOTOS

TRAV HAGAN Rd.

DATE Sept 9 TRAVERSE PAGE [ ]

STN/SUB 249 TYPE o/c ELEV 850 MAP ROCK
MIN ALT MET FOSS
NOTES 680527 6100806

- base of large cliff face of o/c
- feld. phyric andesite or basalt
- varies from 1-2 mm, 25-30% fd
to 2-5 m fd laths 15-20%
- brownish weath to grey
- heavy epidote on fractures
- varies from mag to non mag.
- almost trachytic texture
- amygdules
- greenish grey xtal groundmass
- black specks

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 250 TYPE o/c ELEV 930 MAP 1m Jv ROCK
MIN ALT MET FOSS
NOTES 680737 6100902

massive o/c of thick bedded
f.gr. sugary textured greenish grey
vol. interbedded with green epiclastic
c̄ felsic chips
- chips siliceous rhyolite?
- alt f.gr. ash and felsic lapilli
tuff
- faint banding in ash
- lapilli tuff locally welded c̄ dark .5 cm
fiamme

TYPE	S/A	D/P	DIR	REMARKS
SO	330	30	NE	faint bands in f.gr. tuff.

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

MLM/07/89

DATE TRAVERSE PAGE [ ]

STN/SUB 251 TYPE O/C ELEV 890 MAP ROCK
MIN ALT MET FOSS
NOTES 679433 6103586

- large o/c in clearcut
- brown weath basalt
- 10-15% dark brown 2-3 mm amygdules - chl + fe
- heavy zones of ep, qz veining
- spotted texture
- hyaloclastite

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 252 TYPE O/C ELEV 920 MAP ROCK
MIN ALT MET FOSS
NOTES 679515 6103635

large o/c up slope —
- brown weath intensely fract mudstone or ash tuff
- slight colour more felsic beds
- totally pulled apart.
- qz veins offset.
- fracturing on cm scale.
- inter-bed c̄ fd phyric basaltic fragmental, felsic clasts
- brown weath greenish grey.

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

DATE TRAVERSE PAGE [ ]

STN/SUB 253 TYPE o/c ELEV 935 MAP ROCK
MIN ALT MET FOSS
NOTES 679596 6103445

- brown weath feld phyric basalt
- few fragments,
- lp in places.
- dark green, crystalline

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS

STN/SUB 254 TYPE o/c ELEV 880 MAP ROCK
MIN ALT MET FOSS
NOTES 679433 6103380

- o/c going down hill
- brown weath green volc
- felsic chip

TYPE	S/A	D/P	DIR	REMARKS

SAMPLES
CHEM [ ]
PETR [ ]
FOSS [ ]
HAND [ ]
AGE [ ]

PHOTOS