NEVILLE CROSBY INC
VANCOUVER, B.C.

PLATINUM BLONDE

14/08/87

Rick Boase

862529

Detailed Grid

10+00N - 24+75E

- N-S trending outcrop of poorly sorted cobble congl/arkose (K.F.) possibly fault contact to the east. strike of outcrop is 174°

25+00E - 12+40N

- hand spec ① tan color poorly sorted pebble arkose from outcrop. strike 180°

25+20E - 13+60N

- hand spec ② white, med grained quartzite ? definate shearing / foliation (024/14 SE)

24+00E - 15+20N

- hand spec ③ rubbly subcrop of grey fine grained seds probable Franklin Gp.

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24+00E - 13+60N

Assay sample PTBRB87-1 random chips from trench. Trench in outcrop of hydrothermally altered pebbly arkose (K.F.) limonite hematite stain, weak silicification (see hand spec ④) as well as argillic alteration

Hand spec ⑤ just west of trench. outcrop of extremely silicified rock.

24+00E - 12+80N

Hand spec ⑥ outcrop south of cabin probable hornfels Franklin weak limonite stain, fine grained

24+00E - 11+20N

Hand spec ⑦ outcrop of fine grained greenish grey hornfels (Franklin)

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24+00E - 10+55N

Assay sample PTBRB87-2 and hand spec (8) outcrop next to road of altered (chlorite, epidote ?) silicified franklin Gp. Some vugs (up to 2cm) with drusy QZ x-tals. minor pyrite

Assay sample PTBRB87-3 random chips from trench right next to road. description similar to above.

24+00E - 10+35N

Assay sample PTBRB87-4 from trench ≈ 10m long on being 062 Random chip samples from outcrop (N. wall) some limonite stain. moderate - intense silicificati.

Assay sample PTBRB87-5 boulder chips around trench. (high grade) strong limonite & silicification

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PTBRB87-5 (cont'd) dissem. & vein associated PY. vugs with drusy Qz.

*note want to compare wall rock (PTB-4) with high grade (PTB-5) to check for differences.

24+05E-10+05N

Assay sample PTBRB87-6 from 6m trench trending N-S. Similar to above samples (3,4,5) good epithermal alteration, vugs with Qz, strong limonite, jarosite stain, vein & dissem. PY, micro Qz veining.

24+25E - 10+00N

- trench (E-W) 6m long barren of outcrop. no samples taken.

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24+05E-10+00N

- small pit, barren of rock, no visible boulders, no samples taken.

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23+03E-10+15N

Outcrop hand spec (10) poorly sorted, conglomerate (Franklin?) moderate hornfels, CP, PY assoc with Qz veins.

23+20E - 10+60N (beside Homestake Rd) (E→W) (3.5m) pit in silicified, hornfelsed ~~conglomerate~~ ↳ st. hand spec (11) and assay samples. PTBRB87-7 is random chips from waste pile PTBRB87-8 is chips from wall rock inside pit. Wall rock in pit is brecciated/hornfelsed conglomerate, PY through-out minor CP Pit shows a number of planar features which are probably fractures or small faults no slicks were observed. attitudes are

156/67 E - east wall of pit (fracture)
017/48 W - shear zone N wall

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23+20E - 10+60N (cont'd)

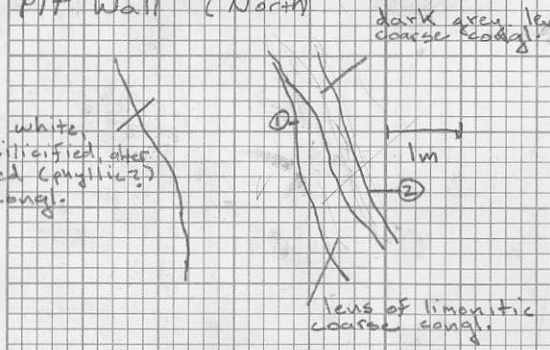
004/73W - shear zone on south wall
156/62W - fault on south wall slicks plunge toward 273°

004/74W - fault on north wall slicks plunge towards 290°
150/82W - fault on west wall no slicks.

23+00E - 10+80N
Outcrop of fine grained hornfelsed argillite? bedding 034/83E
small fault/joint 040/69E

22+70E - 10+90N
outcrop fine grained hornfels
small joint/fault 033/70E

Pit Wall (North)



contacts may be small fault planes or shear zones. Some planar features were determined

① 012/83E

② 005/63E

METRIC LEVEL

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22+89E - 11+23N

E→W pit 5m long in hornfelsed fine grained sediment. hand spec (12) Assay sample PTBRB87-9 random chips from waste pile. Assay sample PTBRB87-10 is wall rock chips from north wall

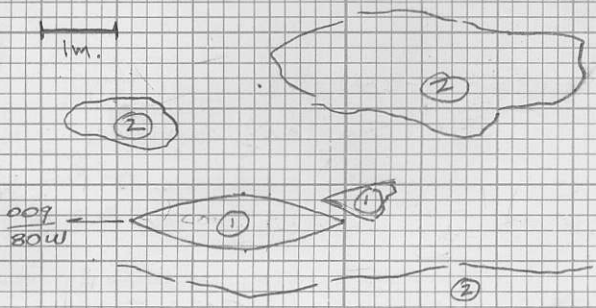
Planar features.

fault on east wall 153/59E
" " " " 164/57E
fault on north wall 164/43W

22+89E - 11+35N

N-S pit 3 m. long. dug right on contact between green/grey hornfelsed siltstone (hand spec (13) and altered (whitish), hornfelsed /brecciated conglomerate (hand spec (14)) Assay samples PTBRB87-11 wall chips across diagramed zone

23+25E - 11+40N hand spec (15)



(1) med. sorted polymictic pebble congl.

(2) Fine grained (cherty /silicious) grey + green siltstone or quartzite

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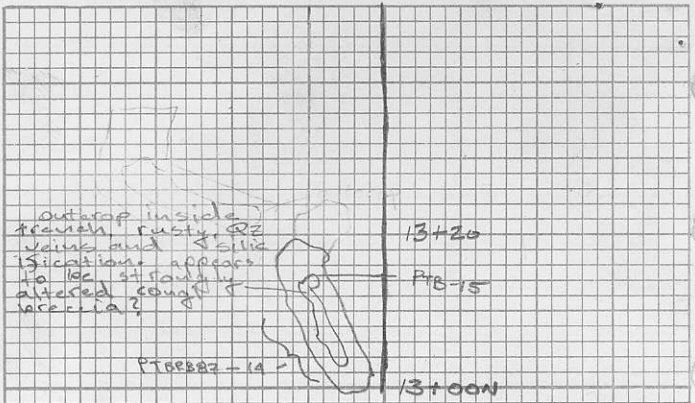
L23+00E

11+00 → 11+60N - outcrop/subcrop of fine grain. greenish cherty argillite (H.S. 16) often with lenses of congl. (see HS-15 and trench sample 015?). Highly fractured. (* HS-16 at 22+90E-11+48N

12+00N outcrop of congl. bed. possibly extension of bed found in trench (see HS 14?)

23+60E-12+80N subcrop next to old road. congl/breccia? lithic, green fractured HS-17

22+90E-12+05N trench (Homestake Pit 2 #22036) 016 PtBRB87-12 high grade quart veins and silicified breccia abundant PY minor GA, (AP,?) from waste pile trench is 4m long 2.5 wide. brecciated fine grained cherty arg.


outcrop inside
trench, rusty, QZ
veins and silic
ification, appears
to be strongly
altered country
rock?
13+20
PTB-15
PTBESBZ-14
13+00N

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22+90E - 12+65N

trench has multiple joints

sample PTBRB87-13 chips from N-wall
also high grade HS-18 017

Joints 113/46S 068/78NW
090/59S

23+00E - 12+80 subcrop congl / breccia

22+95 - 13+00N elongate outcrop
within trench (see diagram)
chip sample PTBRB87-14 along outcrop.
(≃8m) high grade abundant PY
some AP? H.S-19. PTBRB87-15 Epith
zone of high sulfide PY! GL. limonitic
silicified appears 25-30 cm thick
along fracture zone / fault?

attitudes

frac / fault	175/51E	079/16SE
"	002/58W	013/59E
"	176/28E	related to min'n
"	135/40NE	

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23+00E - 13+25N

trench, exposing highly fractured fine grained cherty arg? (limonitic, some PY, silicification, strong alteration (argillic?) PTBRB87-16

23+00E - 13+30N

Trench (110° 6m long 1m wide) silici. congl/breccia little PY, strong whitish alteration (argillic) some limonite brecciated, no prominent fractures. PTBRB87-17

23+00E 13+40N small trench 0.5m by 5m on 090° green, altered fine grained - chert/arg./Volc. ss? minor PY PTBRB87-18 chips from subcrop in trench, another trench same size at 13+45

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23+00E - 13+60N

Numerous trenches, exposing qz vein or silicified zone approx. 30cm thick limonite & hematite staining minor dissem PY, some argillic alt. chip sample PTBRB87-19 and HS-20. Host rock appears to be congl/breccia to silicified/altered to tell.

attitudes.

fault/fracc. 035/72 NW } related to QZ zone
067/76 NW }

* Trench was sampled before tag # 16798

23+05E - 14+05N

Subcrop. congl/breccia (5m²) silicified. only QZ left, vugs with drusy Qz.

23+00E 15+70N subcrop. green fine grained rock (sugary) EA veins and limey matrix. HS-21

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22+00E - 14+50N

outcrop/subcrop of strongly weathered congl/breccia. fractured. greenish. quite soft. PTBR87-20

22+10E - 14+20N (Adit.)

trench 5m long x 2 wide on 129° red weathering (hematite?) highly fractured fine grain, arg/volcs/??

attitudes PTBRB87-21

fractures 059/47 SE

22+00E - 13+40N

trench (15m long 2.5 wide) on 127° PTBRB87-22 chips from trench wall nice epithermal showing, intense silicification, abundant PY yellowish-white alteration, vugs w/ drusy QZ. fractured. HS-22 host rock is congl./breccia

fault 165/55E slicks plunge ↔ 308

trench has been samples tag # 16761

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22+00E - 12+60N

line follows a draw from ≃ 13+60N to 12+40N possibly a fault unit are the same on both sides (here)

22+40E - 12+60N?

Adit driven into fine grained grey x-talline Lst. PTBRB87-23 fractured silicified zone within Lst. Silicification dissem. PY. Yellowish alteration. Fractures in Lst. 021/62NW contact between Lst + fine grained cherty/arg/volc ss? 100/60N contact could be bedding or fault.

22+80E - 12+00N

outcrop of grey fine grained rock outcrop right up to Homestake adit

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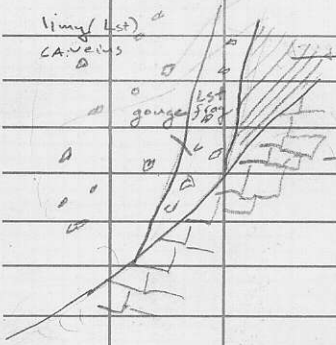
L22+00

HS-23

PTBRB87-24

Homestake Adit

Adit driven along contact between fine grain silicious (chert/arg?) and fine gr. x-taline Lst grey. Contact is a fault ① (156/35 NW) with a 30 cm wedge of gouge bound by another fault ② (157/53 NW)



More sediments overlain across the epithermal/fault system (⊥ to above x-section) by another

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Fault ③ (179/75W) all faults show movement

Fault ① ?

② ⟶ 360 mouln features

③ 72 ⟶ 244 (slicks)

Abundant CA, QZ veining and flooding in gouge, as well as Lst clasts

HS-23 · x-taline Lst. Fine grained grey, CA veinning.

HS-24 - Fault gouge wedge, limey, matrix, Lst clasts (3cm), CA. QZ veinning

HS-25 30m north of adit, band congl/breccia limy matrix, rounded & angula clasts. quart, FS, Lst clasts

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LZZ+00E - 11+00 - 11+40 outcrop of congl/breccia within cherty Volc. seds. Limonite stain, weak silicif, highly fractured, with disse PY PTBR087-24 ? HS-26

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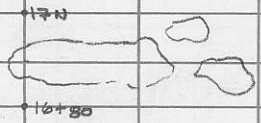
PTB-25

HS - 25

L25+00E

16+90N Outcrop (E-W) about 30m E by 7m wide. Congl/breccia. weak silicification, limonite. matrix is fine grained Volc. sst. (green)

HS-~~25~~ 27



angular clasts as well as rounded poorly sorted pebbles.

24+50E - 17+40N

outcrop 20m long × 5 wide strike at 030°. Green, fractured, Volcanic rock, strongly chloritized, diss. PY.

HS-28

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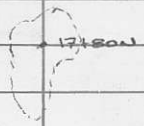
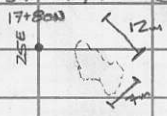
25+00E - 17+80N

Outcrop 10m (N-S) 20m (E-W) extremely silic. Fine grained rock. Possibly altered quartzite or altered Qz-FS porph? Forms knob just before dropping into gulley HS-29 with diss. PY



25+12E - 18+70N

Outcrop/subcrop. rubbly. Qz rich altered intrusive. (GD or DR) weakly foliated (dark black x-tals.) HS-30 some diss. PY. Joints 025/64 NW



25+00E - 19+40N

Intrusive outcrop on west facing slope. Similar to last station (20m long (N-S) 7m wide PTBPB87-25 taken from rusty/yellowish altered zone in intrusive.

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24+35E - 20+20N

Outcrop 20m × 20m. weakly foliated, altered GD-DR.

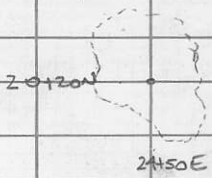
Joint planes 030/80SE

24+50E - 20+20N

same rock as last station

Joints 022/90

170/32E



23+00E - (20+40 → 20+65 - cliff base)

Outcrop across hill slope same intrusive as previous stations. Just below eastern boundary of bluffs.

Joints/fracs in cliff wall 105/57S cliff prob. a fault plane along // fract. surface.

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23+00E 20+00 → 20+60N

outcrop/subcrop intrusive

23+00E - 19+40N

20x20m outcrop (intrusive)

23+00E - 19+30N

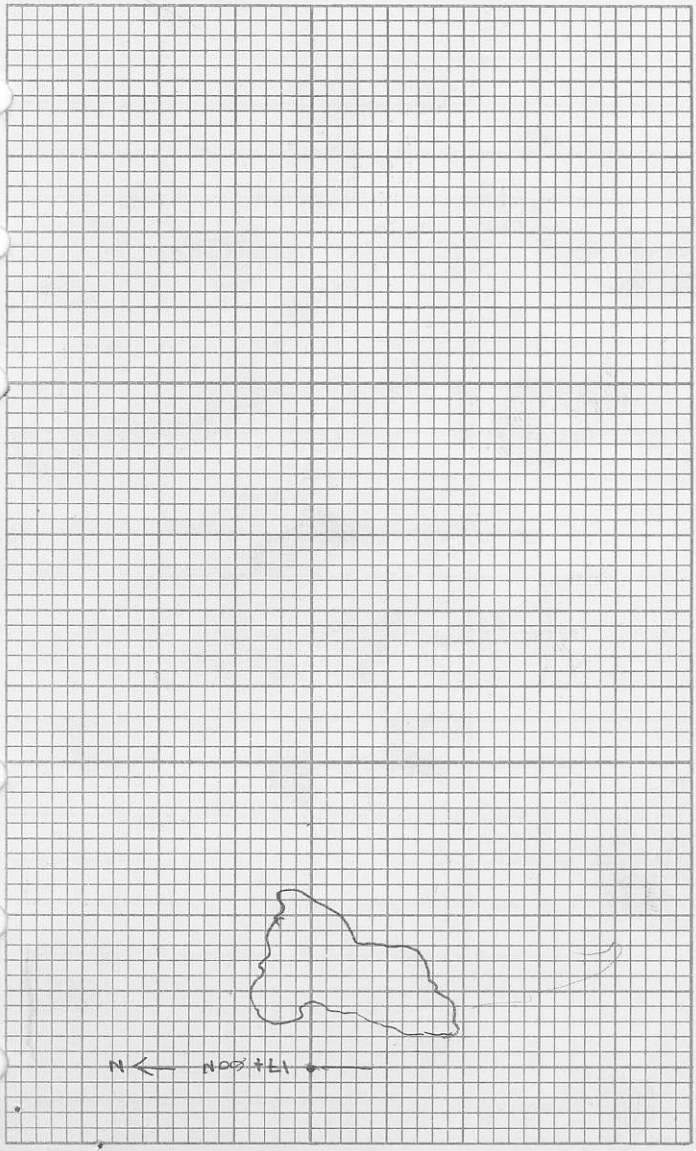
HS-31 intrusive becoming more intensley altered as approach bottom of draw

23+07E - 18+90N

Outcrop of altered silicious rock. Still intrusive or part of Franklin? HS-32

23+40E - 19+00N

outcrop 15m (NW) 5m wide whitish (phyllic?) alteration, possible Franklin congl/breccia



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23+60E - 18+80N

outcrop 10m (E-W) 5m wide hornfelsed/brecciated silicious fine grained cherty/arg of Franklin. Just above base of draw (30m) HS-33

23+90E - 18+45N

outcrop HS-34 altered silicified congl (Franklin) Clasts barely visible, vugs, ID/ Qz diss. PY.

24E
18+40N

24+00E - 17+50N

large outcrop of fine grained silicified rock, strong alteration minor limonite and diss PY numerous fractures. 044/78 SE

see diag ←

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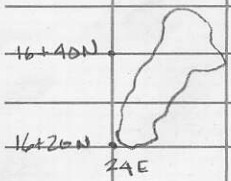
24+15E - 17+20N

old trench dug into hornfelsed fine grain Franklin.

24+00E - 16+20N

outcrop silicified pyritic congl/ breccia Yellowish/white alteration vugs with Qz.



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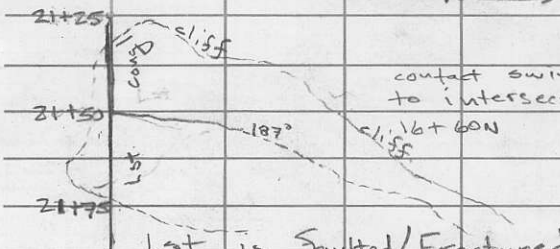
21+85E · 16+00N

outcrop of blonc Lst. grey fine grained, recrystallized ? CA veins. (0.5cm) HS-35



Lst is faulted/fractured →
(037/43 NW) mvt. is along dip.)

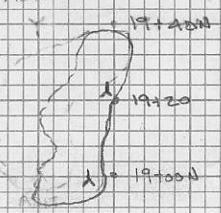
appears to be bounded on south by possible fault runs // to 16 BL from ≈ 21+25 → 22+50E

Lst contact with tan colored pebble congl. (str 180)

21+50E-16+40N contact between Lst & congl/brecc. may be fault surface with slicks (007/49°W) mvt. along dip. HS-36 congl/brecc. near contact.

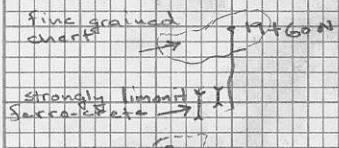
1) L20E hits creek at 17+60N
Same cr that is possible fault

ADIT AT GENES CABIN



26 & 27 mouth of ADIT

rock above adit is highly fractured silicified rusty fine grained volc.
PTBRB87-28 preferred frac dir'n is 120/47 SW



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22+00E - 16+60N

Fault/fracs in congl ~~[illegible]~~ SF

060/66 SE

21+70E - 16+65N outcrop of congl

19+40E - 18+00 Pyroxenite block found!

HS-37

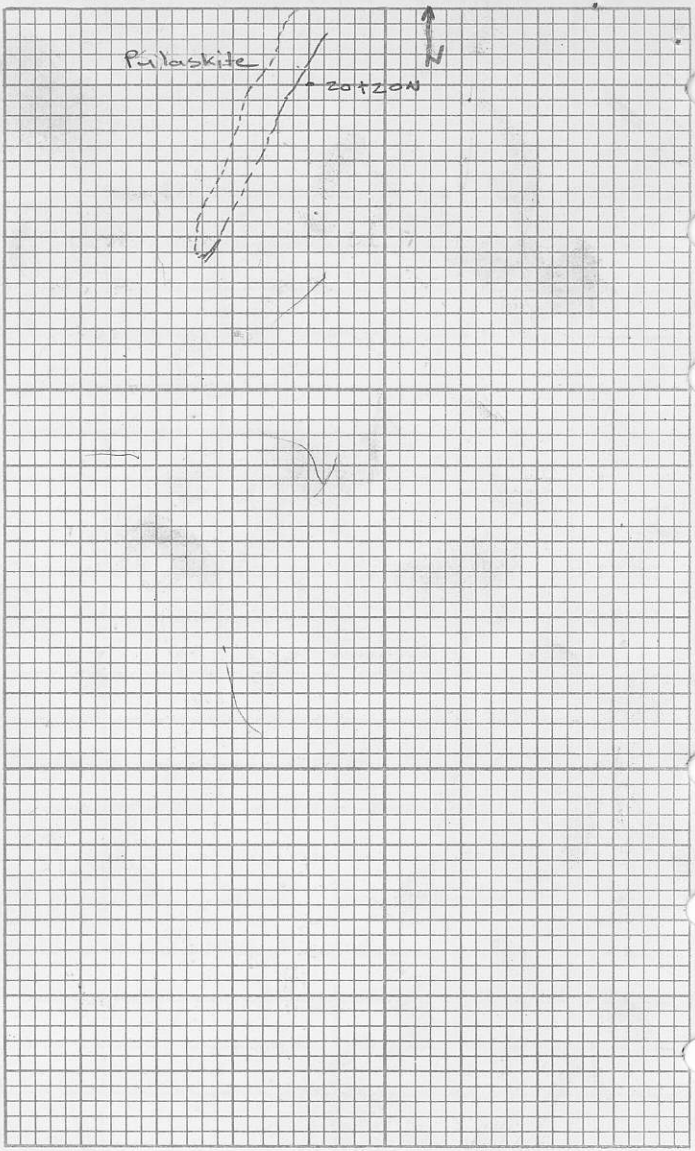
18+93E - 19+00N

Adit at Geues Cabin. rusty brecciated fine grained silicified volcanic.

PTBRB87-26 chips across 70cm shear zone PTBRB87-27 chip sample of wall rock next to Frac. (099/60 S)

Arsenopy, py, argillic altn. Frac (043/90)

no minelz or strong altn.



METRIC LEVEL

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19+00E-19+20N

adit driven into rusty fractured fine grained volcanic good min'n AS, PY, CP. PTBR8887-29 & 30 HS-38 29 is high grade 30 is random chips from wall

fractures

103/62 SW

025/70 NW

172/80 W

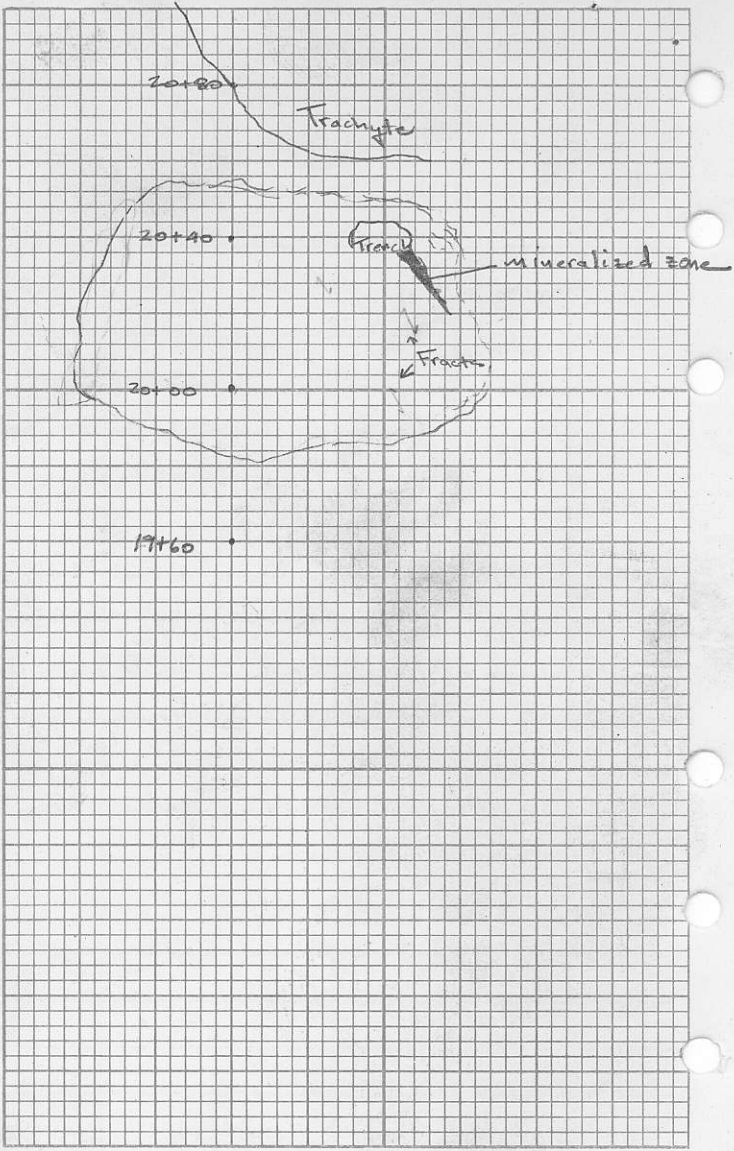
18+80E-20+15N

Syenite body (HS-39A) intruding Fraklin congl/breccia (HS-39B) strike of Syenite (032) approx 4m long

19+60E-20+20N Outcrop of Frankline fine grained silicified.

20+00E-20+20N Subcrop of fine grained grey, silicious chert/argillite.

20+80E-19+55N Float of mineralized (AS, PY) silicified chert/argill. HS-40


20+80
Trachyte
20+40
Trach
mineralized zone
Trach
20+00
19+60

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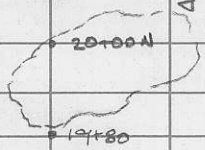
21+00E - 20+00N

Outcrop of rusty fine grained Franklin.



21+30E - 20+40N

Trench in outcrop of fractured rusty, fine grained silicified Volc. PTBRB87-31 is chips from trench. HS-A1 is massive AS. with silicious fine grain, green matrix. mineralized zone appears to trend 171° front at back of trench. (012/27W) (107/55N)

21+00E - 20+80N

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L54E - 44+20N (old grid)
- Kettle river congl. on south slope of draw. 44+80N Franklin congl/ breccia. draw is located ≃ 100m along the road past adit w water tank ∴ possible fault/unconf.
HS-42 K.R.

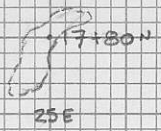
53+60E - 44+10N
Quartzite? outcrop next to KF fractured, clean, whitish color.
HS-43

Roadside outcrop KR w fractures
077/56N, 155/67 30m from adit

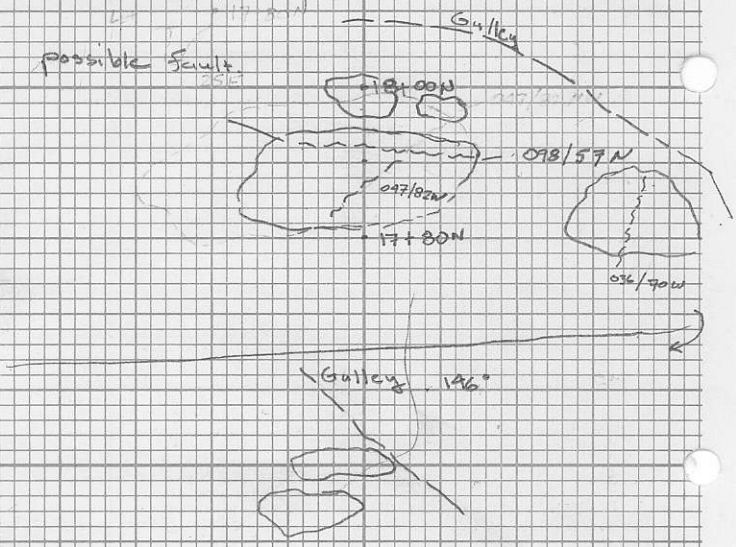
25+00E - 17+80 Outcrop of dk grey, fine grained Lst. prob recrystallized. (17088) PTBRB87-34
some diss PY.

24+00E - 18+20 Lst Outcrop.

25+00E - 17+80N



23+00E - 17+85N



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23+00E - 17+85N

large outcrop of silicified Franklin. Fine grained, fractured

23+30E - 17+80N

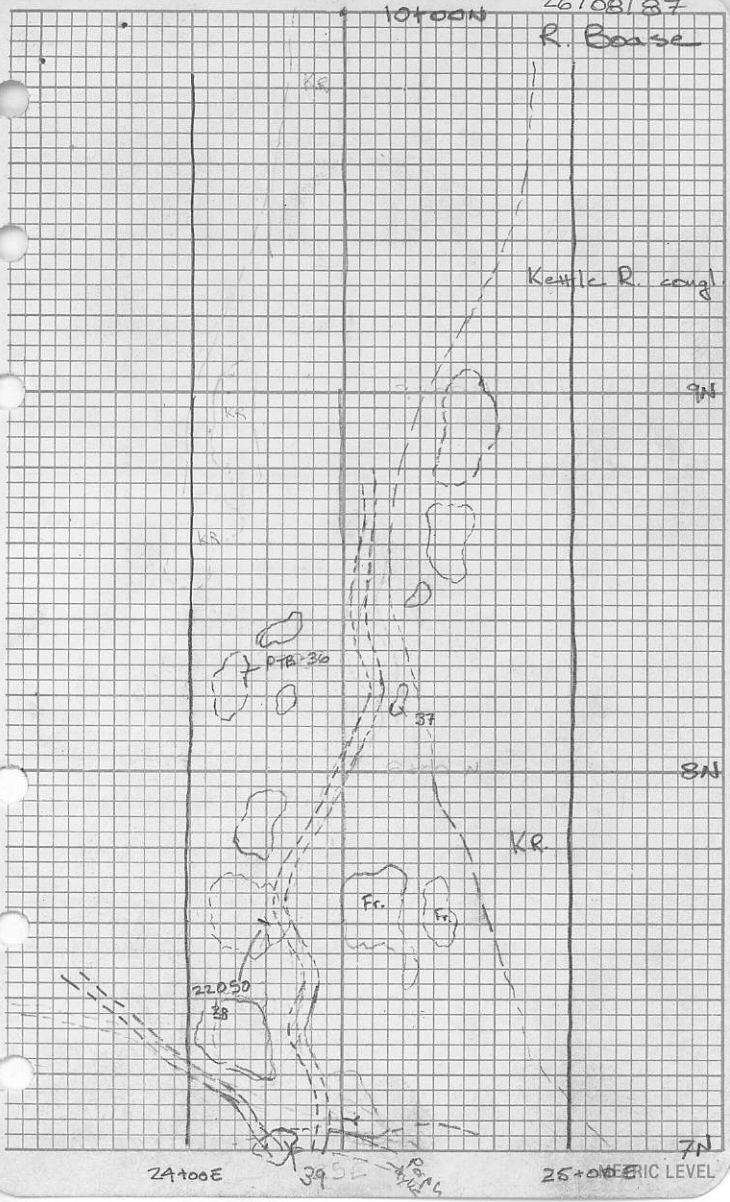
continuation of above outcrop. Series change to congl/breccia

24+00E - 17+45

Trench dug along fracture in Lst.

18+00E - 19+50N ?

PTBR887-34 (TAG 089) above Gomes Cabin. rusty shear zone


10+00N
26/08/87
R. Boase
Kettle R. congl.
9N
8N
7N
KR.
KR.
KR.
KR.
PTB-36
37
Fr.
Fr.
22050
38
39
24+00E
25+00E

24+70E - 9+00N

large outcrop of KR congl. large boulders (60cm) mostly Franklin clasts.

24+20E - 8+30N

Rusty, fractured outcrop. fine grained, altered (white/yellow) diss PY, PTBR887-36

37) - Franklin fine grained, green volcanic sst.?

38) - Trench beside road, rusty fractured, Qz veins. some PY prominent fracture planes (120/74S) PTBR887-37 (24+15E - 7+50N)

39) - 24+15E - 7+00N

grey porphyry dyke. HS-44

R. Boodle

26/08/87

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40 - 24+35E - 7+05N

trench next to porphyry dyke, rusty, limonitic, fractured

PTBRB87-38

next page

23+08E - 7+74N rusty outcrop of Franklin

23+00E - 7+40N rusty outcrop, fine grained silicious volcanic sst. some py, white alteration

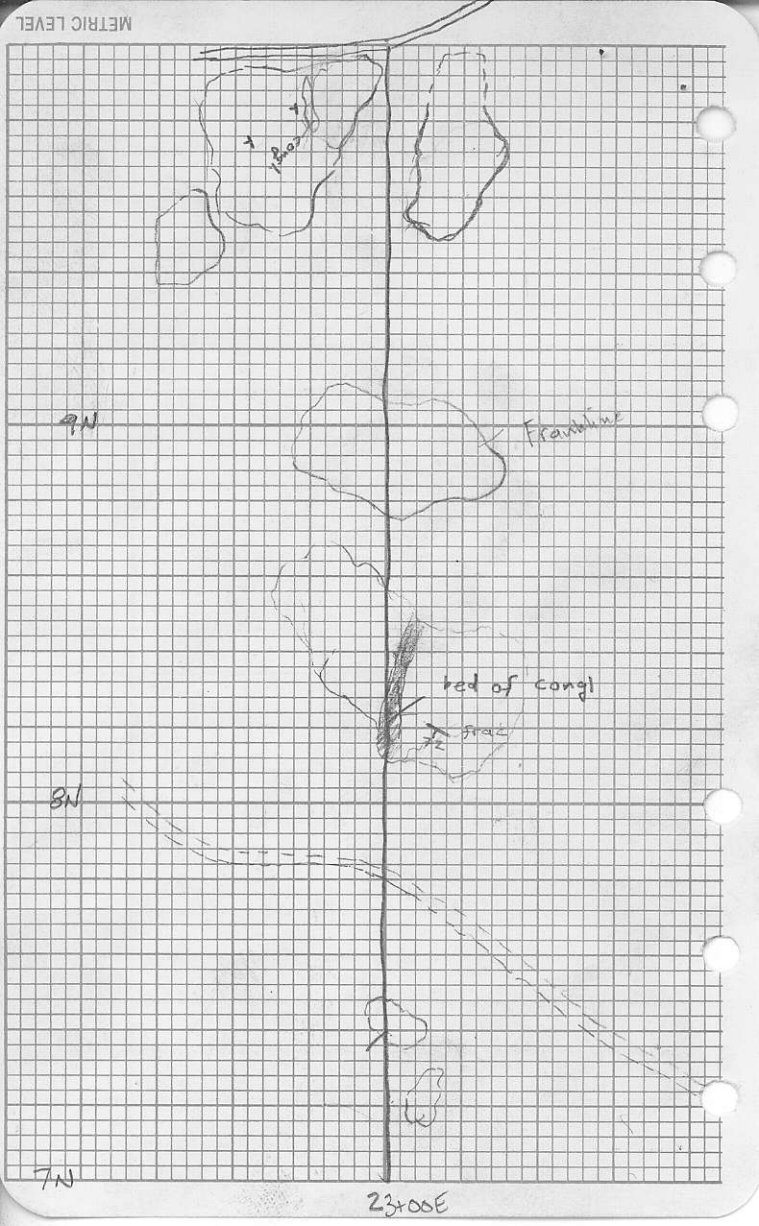
PTBRB87-39

2

23+00E - 8+25N

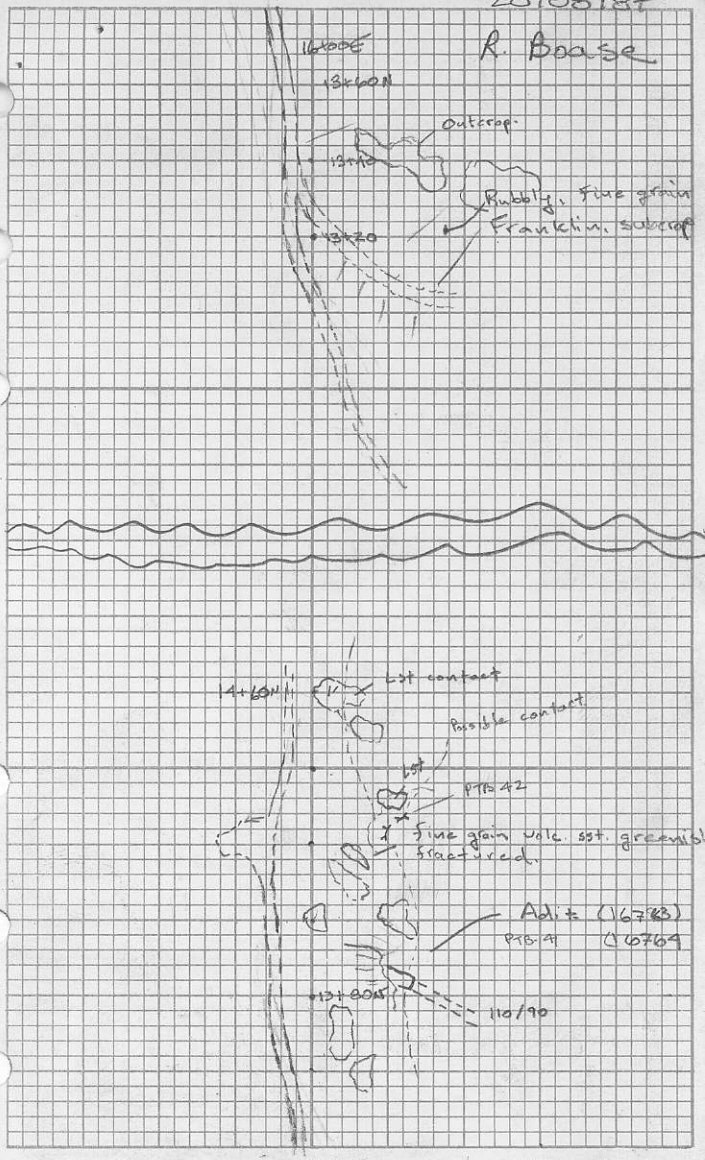
rusty outcrop, fine grain silicified rock, with lens of breccia. diss py, fractured. PTBRB87-40

23+10E - 9+60N outcrop of Franklin grey/white fine grained cherty argillite, some interbedded breccia fracs (172/45W)


9N
8N
7N
Franklin
bed of congl
23+00E

28/08/87

R. Boase



METRIC LEVEL

16+00E - 11+20N

possible fault/fracture forming creek bering 096

15+90E - 12+80N

subcrop, rusty, Franklin breccia possible relation to linear feature (gulley) 130° Lst float

16+00E - 13+20N

South Banner Access road, see dig.

16+15E - 13+40N

West end of lower Banner cliff. Highly fractured. fine grained volc. siltstone. mod. silicification outcrop trends 110° uphill to form cliffs.

16+15E 13+90N

Adit (≈ 20 m) driven in at 110° structural intersection (Faults) incl. Lst. ⅓ fine gr. silic. Frankline

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28/08/87
R. Bouse

Adit
16+15E - 13+90N

012/60E

GA, QZ, veins

125/90

14+40N

fault in list
(163/45SW)

14+50N

Brecciated

14+00

13+00

12+50

Sheared, fractured
vein. Silicified

12+40

28/08/87
R. Boose

north wall of adit. fault surface.
limey, silicified, Lst with GL ?
PTBRB87-41 HS-45

16+35E 14+30N
two pits dug along Lst, fault
contact. PTBRB87-42 chip sample across
silicified zone with (GA, SL ?) outcrop
has cross-cutting Qz veins (4 cms)
fault (004/58W) → Lst contact. previous sample # 16765

16100N - 14+00N
contact (approx. N-S) of Lst, and
Franklin breccia as well as
fault surface in Lst (163/45 SW)

16+00N 14+80N → 14+95N
outcrop of Franklin

16+00E 15+00N - begin descent into
major draw - north.

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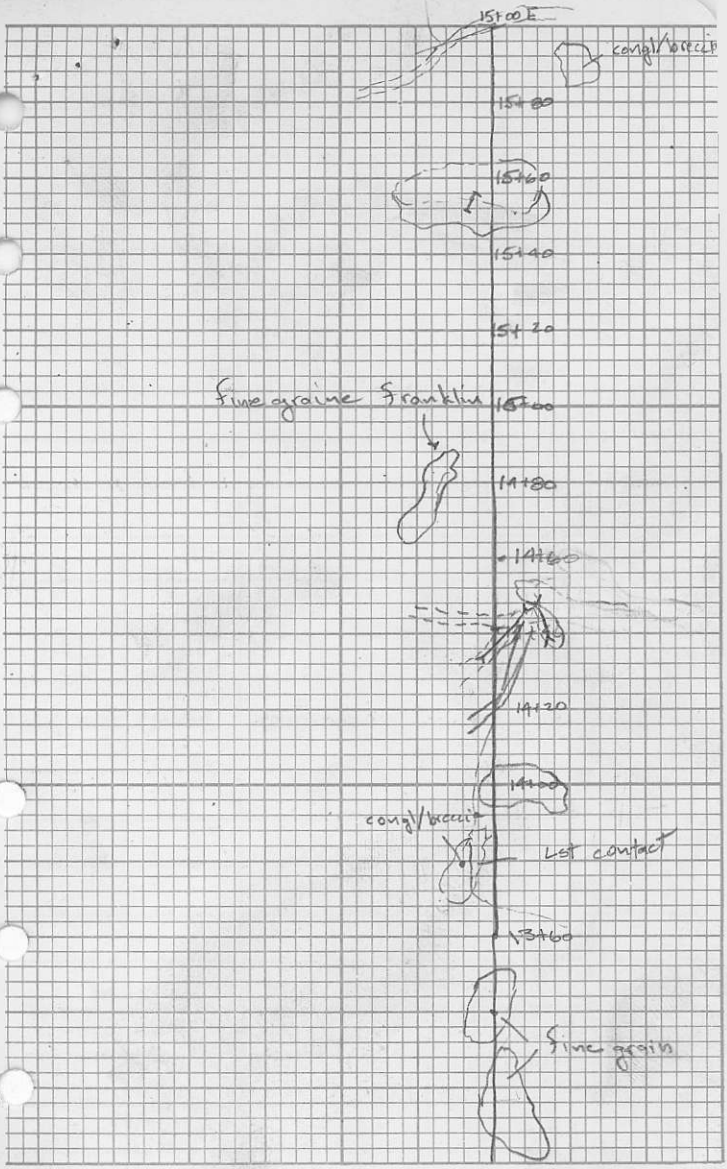


METRIC LEVEL

28/08/87

R. Boast

L16+00E - 15+20N

outcrop of Franklin breccia

16+00E - 15+41N

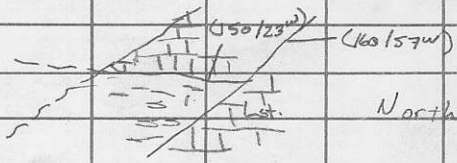
outcrop Frank. breccia fractured, silicified.

15+00E - 16+00N

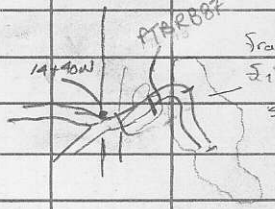
inter sects road at 15+00.

14+85E - 15+50N

Trench in Lst. contact with fine grain Franklin complex fault contact

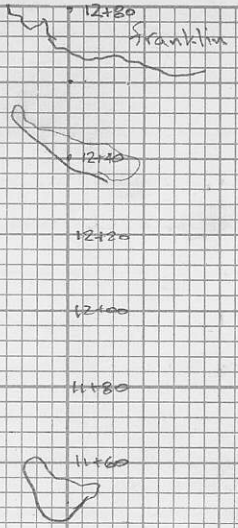


14+40N - 15E



NEVILLE CROSBY INC.

28/08/87
R. Boase



METRIC LEVEL

28/08/87
R. Boase

15+20E - 14+40N

PTBRB87-43 chip sample across 3m of rusty fine grained argillite diss. PY. highly fractured.

L15+00E - 13+40N

N-S outcrop of fractured rusty fine grained chert/argillite. approx 20m long.

L15+00E - 11+50N

outcrop of fractured altered intrusive see Hand specimen HS-46

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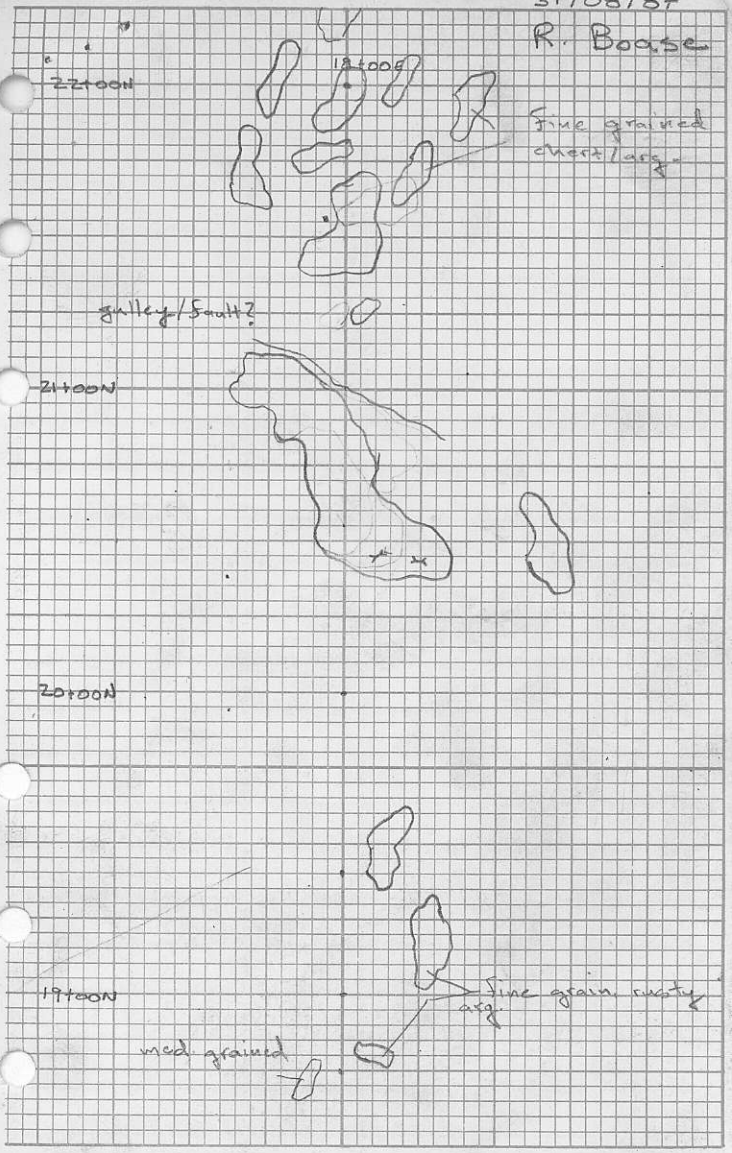
31/08/87

R. Boase



METRIC LEVEL

18+00E - 22+00N

large outcrop silicified rusty chert arg. dk grey, fine grained with very fine diss PY. outcrop are highly fractured HS-47 and PTBRB87-44 fractures 080/64S

18+00E - 21+60N

large outcrop of silicious, fine grained cherty argillite, some diss PY, possibly fine grain volcanic tuff

18+05E - 21+40N

small bed of breccia, contact is ≈ N-S dips steeply west

18+00E - 21+00N

bottom of small gulley trending (120) possible fault. outcrop on south side is fine grained, silicious. Franklin cherty arg.

18+05E - 20+55N

Trench dug // to fault/fracture

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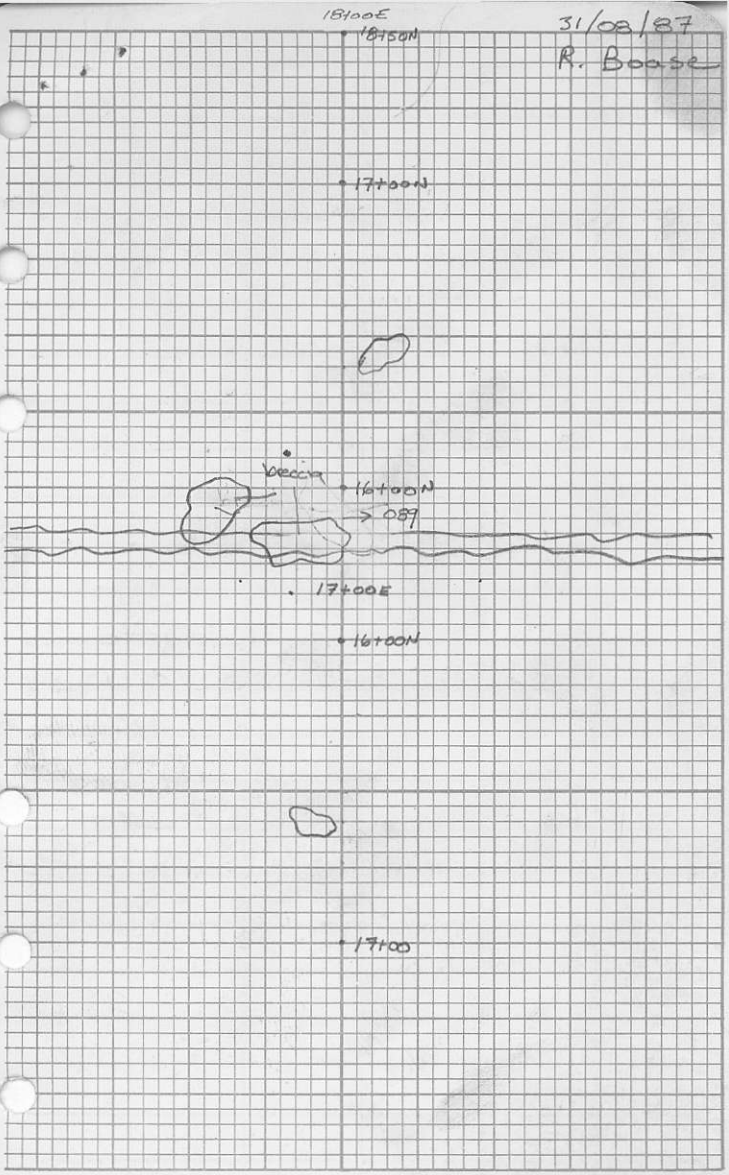

METRIC LEVEL

18+05E-20+55N

Surfaces in fine grain, silicious cherty arg. strong limonite, and diss. Py as well as Py coms along fractures. Surface orientations 047/70NW PTBR887-45

18+20E-20+52N

Trench dug into fractured, rusty fine grained silicious rock, limonite stainning, diss Py, whitish yellow alteration. PTBR887-46 HS-48
multiple frac. direntions 089/71N
045/73 SE

18+05E-19+40N

outcrop of Franklin breccia, clasts are angular grey (dk) silicious arg.

17+90E-18+70N

small outcrop of light grey med. grained rock, possibly a tuff.
H.S.-49

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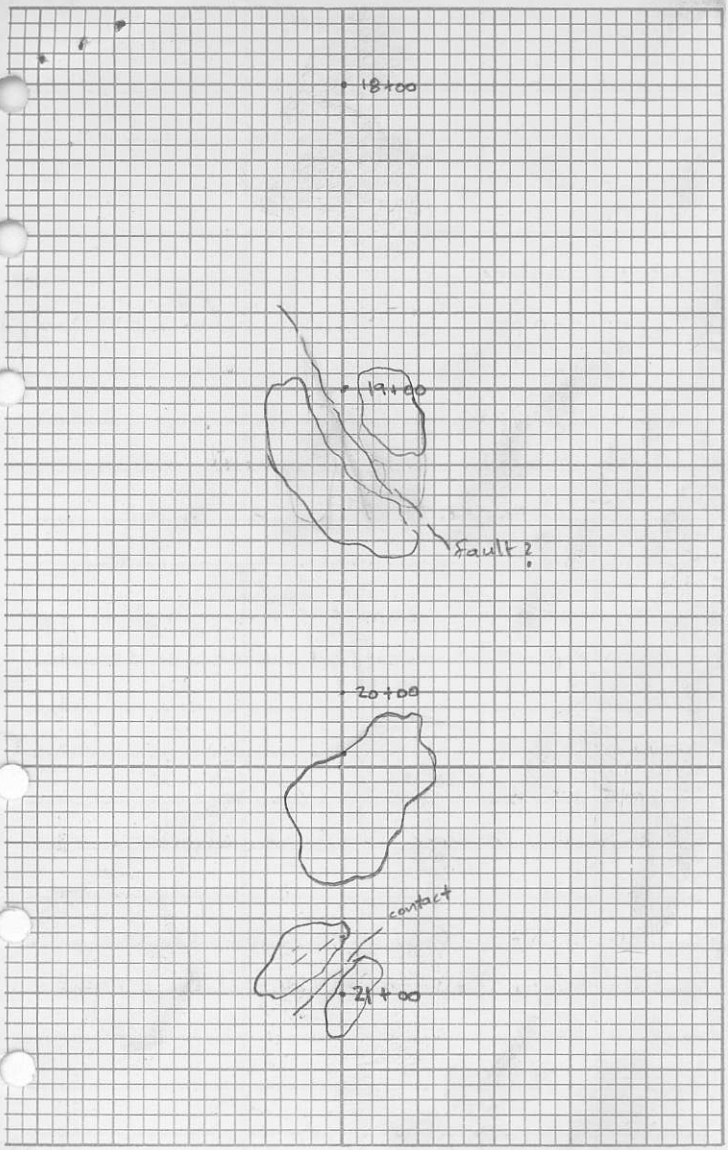

METRIC LEVEL

18+05E · 16+40N

outcrop on steep hill (facing NW) highly fractured, silicious fine grained cherty arg.

17+90E · 16+00N

outcrop of Franklin breccia, clasts are angular up to 3cm, 90% fine grained, silicious cherty arg. whitish alteration. strike of linear north side of outcrop 89°

17+00E - 16+60N

outcrop of fractured, white altered breccia.

16+90

16+90E · 19+00N

elongate outcrop of fractured, rusty fine grained, chert arg. limonite, white yellow alteration. PTB RB 87-47 rusty intensly altered (argillic) rock diss. PY.

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17+00E - 19+40N

outcrop on N side of small gulley (fault) trending 148°, brecciated fine grained argillite

17+00E - 20+20N

large outcrop of silicious fine grained argillite.

17+00E - 20+80N

NE trending outcrop of medium grained silicious, (tuff?)

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