

005458

92B/5E

92B-7,3,9,10,5,3

cut by veinlets containing pyrite
- 2:1/4" thick and zones rich
in magnetite magnetite at
one place appears to replace + take?
sp. massive mag. form zone
1/2 - 1" thick - nature of rock?
- look for Cu in this core

Hole # 2 about 50' W (below)
road 175' 45° @ -45

mineralized zone 128-158

- Smaller proportion of sulfide than
in core #1

Hole # 3 - near shall E
side channel opposite W. Tuffin
Spit - 110° - 40 cut.

PROPERTY FILE

Nov 22/51

Clear Frosty

DDH @ Fester Peninsula.

Left 1710 Lundame @ mileage 8532

DDH 2 on Hill zone @ A.D.T

Stop DDH 2.

0-15 no calc

15-32 medium - coarse grained

gabbro - probably some scapolite
also magnetite - minor32-38 - fine grained gabbro? contact
with coarser " rock gradational
steaky.38-72 medium grained gabbro
grading into fine grained " at

73-74.

76-96 appears to be altered whitish
weathering shinglers + chlorite blde?
on broken surfaces91-93 few flakes of magnetite ^{sp 2} in
the altered gabbro.94-96 some
fine grained fresh looking gabbro.97-102 - fine grained gabbro
grading @ 102 into medium coarse
grained gabbro106-120 hornblende? rich zone - altered
gabbro120-132 generally medium grained
gabbro - some altered zones

and narrow fine grained zones.

132-138 - altered gabbro

138-158 - core split for assay
altered lamblende bearing gabbro
with fine stringers of chalcopyrite
disseminated pyrite + pyrrhotite minor
some magnetite

158-170 fine altered gabbro
with disseminated pyrite (locally
abundant) some veinlets? of
magnetite

170-175 relatively fresh gabbro

175 end of core

Log of hole # 3.

0-8 no core

8-33 fine grained gabbro somewhat
altered? cut by $\frac{1}{8}$ - $\frac{1}{4}$ " white
veinlets + containing disseminated
pyrite

33-52 medium - coarse grained
relatively fresh gabbro.

52-62 medium grained with
abundant white feldspar

62-84 fine grained but variable
texture - veinlets rich in medium
grained lamblende one split
vague margins contains magnetite

*3

84-120 light green altered
galena - with whitish veinlets
& disseminated pyrite sp 33

121-163 split for assay

121-163 rich in pyrite chalcocite
minor

131-160 about equal amounts
of chalcocite, pyrite, magnetite but
all very low grade 10-15% sulfides

160-176 medium grained altered
light green galena with white
feldspars - probably mainly
saurite & feld. sp 44

176 end of hole

Mercury zone

Hole #1 Brg. 570°W @ -55°
top of core

0-50 medium grained relatively
fine galena - some disseminated pyrite
= streaks of magnetite

51 high in magnetite

50-70 - about the same, 50-50 but
some coarse feldspars

70-92 feldspars whitish px
probably uraninite

90 - veinlets of magnetite sp 5

92-200 split for assay

92-103 disseminated pyrite in hornblende

131 - 1st dense felsic dyke - looks like sheet

103-198 - typical mineralized hornblende - cracked - veinlets of chalcocite & pyrite with vaguer bands of pyrobitite some magnetite

199-226 fine - medium altered gabbro - some feldspar mainly hornblende magnetite locally abundant
Essentially the same to end of hole at 250' but feldspars in coarse bands are white

Hole #2 350°W @ -45°

Log

0-110 relatively fresh medium grained gabbro. Local abrupt variation in texture Epidote Aug? at 59 fine grained 105-110.

110-182 core broken up. appears to be hornblende altered to chlorite locally & containing disseminated pyrite & magnetite

182-190 relatively fresh gabbro.

190-217 same altered broken up core

320-330 low grade section very little sulfide. ~~visible~~

330-350 Good shalco pyrite pyrite - should be high grade section

350-370 - some shalco pyrite but probably not a good grade.

370-394 slight higher grade than 350-370 section

394-410 Low grade - like 350-370

410-417 @ end of hole very little sulfide in altered gabbro.

110	75
40	45

Hole #11 Brg 575°W @ -45°

0-200 relatively fresh fine-medium grained gabbro.

135-138 narrow broken up altered zone.

200-309 relatively fresh gabbro.

309-312 irregular felsite - grades into gabbro.

Relatively fresh gabbro to 320

370-450 altered gabbro - light white streaks & inclusions - lamellar

450-500 can be broken up - altered 460 - 499 flakes of native Cu 3 p 6 499

Hole # 11

altered gabbro to 545.
 545 - 549 - flakes of native Cu
 also at 573. may be more
 elsewhere - very fine flakes.
 altered gabbro cut by $\frac{1}{8}$ - $\frac{1}{4}$ "
 irregular dykes? 580 end of hole.

Hole # 12 Dip 1470° W @ -40°

0-180 relatively fresh fine
 grained gabbro - disseminated pyrite
 material 125-180.

180-194 fractured - altered gabbro
 - some pyrite.

194-197 - relatively fresh gabbro.

197-215 highly altered to fine
 hornblende.

215-218 massive primary pyrite
 with cracks of chalcopyrite
 in hornblende. Sp 7 T

Hornblende with disseminated
 pyrite to 245.

245-325 relatively fresh fine
 gabbro - some minor altered
 zones.

325-334 Hornblende with
 cracks of pyrite & chalcopyrite
 somewhat altered fine grained
 gabbro to end of hole at 420

DRN # 6 N 35° W @ - 45°

0-37 no core

37-41 fine grained gabbro

41-179 medium coarse grained gabbro probably somewhat altered as pc is white on cut surface

174-182 aplites - white to yellow brown fine grained granitic rocks ~~very~~ few dark minerals contacts not well shown

182-187 fine grained gabbro

187-200 vitreous felsite - contact irregular - isolated masses of felsite in gabbro

201 irregular masses of aplites in medium grained gabbro

200-240 relatively fresh medium grained gabbro

240-243 altered sheared zone

243-301 relatively unaltered gabbro

301-391 broken altered zone - probably shear zone = shale chert

391-392 relatively unaltered gabbro

392-394 altered broken zone

394-432 somewhat altered gabbro

432-440 @ end of hole relatively fresh altered gabbro

DDH #5. Pin out but
probably drilled W on N80°W
at -45° to cut valley clear
zone.

Core a bit mixed up but
no ~~at~~ major sheared zone
appears to about 470 and
altered broken up galena extends
to about 305.

End of core at 346.

Back to 1710 Low down at mileage
8592

#2 mercury (con)

217 - 268 at end of core, core split far away. Soft chlorite? lamellated with veinlets of chlorite. a pyrite magnetite + pyrobitum very scarce

Hole #3 587°W @ -55

0-73 relatively fresh medium grained gabbro. 73

73-75 light green altered zone - may contain epidote + kfs etc

75-110 relatively fresh gabbro

128 - patches of mature Cu

110 - 137 altered gabbro

137 - 223 relatively fresh medium grained gabbro. locally very abrupt changes in texture. Doubtless some alteration

223 - 270 - altered fine grained gabbro probably mainly hornblende.

270 to end of core core split far away

270 - 287 pyrobitum magnetite pyrite + cracks of chloropyrite as before elsewhere

287 - 293 relatively fresh gabbro some disseminated pyrite

294 - 309 - lean, fine grained altered gabbro pyrite, some chlorite

309 - 320 disseminated chlorite in altered gabbro

155 - 55 . 0

Dec 1/51

cloudy
showers

Willow grove drill hole.

#1 335° at - 55 - in NW 175°
 Collected about 50' due S of
 Chubb station D.

0-8 0 B

8-108 medium grained - in
 places coarse fresh gabbro
 rich in white feldspar.

108-124 some altered zones
 - light green -

124-175 same fresh gabbro
 rich in medium - coarse
 feldspar. Some pink
 zones - pink calcite or
 rhodochrosite.

175-178 dense white felcite

178-188 - relatively fresh
 gabbro.

188-196 at end of core
 gabbro somewhat altered,
 cut by pink veins
 spec 13. (62)

Willow grouse Hole # 2 is
 80-90' at 10° from Chulub
 Δ E ~~at~~ collar alt 20'
 vertically above valley floor.
 Drilled @ $40-55^\circ$ #5E @ 155°

0-11-0B

11-33 unaltered gabbro very
 variable texture - in places
 fine grained in others medium
 coarse with prominent white
 feldspars.

33-38 .5' mud.

38-44 - mud + altered gabbro
 same to 51

51-101 at end of hole same
 relatively unaltered gabbro
 with very variable texture

Sp 3 from 64' } unaltered
 Sp 4 from 83' } gabbro.

no shear zone ? ! ! !

Mar 13/51

Cloudy
Windy Clearing
Cold

East Snake Copper deposits

Left Victoria about 9:45 AM

Drove to Drillers Camp at N
end of Valley Zone & met Mr
Chubb. about 11 AMChubb showed me work that
he had done on mill zone (3 holes)
merged zone (5 holes) Valley
zone (1 hole) & Willow G. zone
(2 holes) Lunch at Cook

Tent

Chubb thinks that (1) magnetite
at least partly related to sulfides
- not free from augite - hornblende
reaction

(2) Magnetite

Cu is primary - low temp
late? or higher phase of mineralization

(3) Anorthosite

many underlying gabbros - most
of rock at Willow G. is in depth
is anorthosite. Sulfides form
"paddle" Drilling close to
find sulfides in main, not side
shearsair photos → contour
of shears

cracks - Hill zone average 0.4
 in cores
 Merritt zone #3 - 15' of
 over 1/2 ~~not~~ average 0.6⁺?
 nothing in Willow #1 or
 Valley zone holes

Hill zone #1 hole. Drg 115° @ -45°
 154'

8-11 no core

11-12 Fine-medium karoblendite? with little
 disseminated stringers of shales.

12-16 Retained fresh galena with disseminated
 magnetite (medium grained)

16-23 Whitish green altered galena

23-27 Brownish green karoblendite
 with very little (if any) sulfide.
 (Core split for last foot and to
 135

51
 116
 @ 116
 27-129 sulfides disseminated in
 fine karoblendite. In places
 massive pyrite shales
 in fine magnetite with pyrite
 pyrite rare - light grade zone

129-135 minor shale in fine karoblendite

135-154 light grey green rocks