

PACIFIC
WATERPROOF

Mining Transit Book

FILLER No. 321

REEF

P. M. DEAN

018615

RYGD -

RGGD -

RCGD -

7 JUNE 1976: GREMLIN CLAIMS

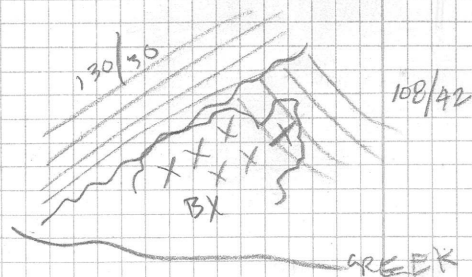
$\Delta 1$ $\frac{24^\circ}{48E}$ Dark grey siltstone and slate. Relatively undeformed. Very siliceous w. graded bedding.

$\Delta 2$ grey slate $\frac{20}{50W}$ numerous drag folds \sim but none in place - minor rust on jointing planes

$\Delta 3$ same shale strongly jointed and deformed - probably on fold axis.

$\Delta 4$ $\frac{130}{30SW}$ dark grey slate

$\frac{108}{42N}$ same shale - other side of fault? or fold faulted at apex. breccia zone cemented with silica in core



Δ5 Breccia with silica, jasper,
pyrr + py, minor hematite
No copper. Contacts all
covered by talus. Ghosts of
clasts visible on weathered surfaces -
all replaced by silica

Δ6 78 $\frac{36SE}{|}$ drk grey shale

Δ7 160 $\frac{42E}{|}$ shale

Δ8 152 $\frac{20SW}{|}$ shale

Δ9 154 $\frac{18SW}{|}$ shale

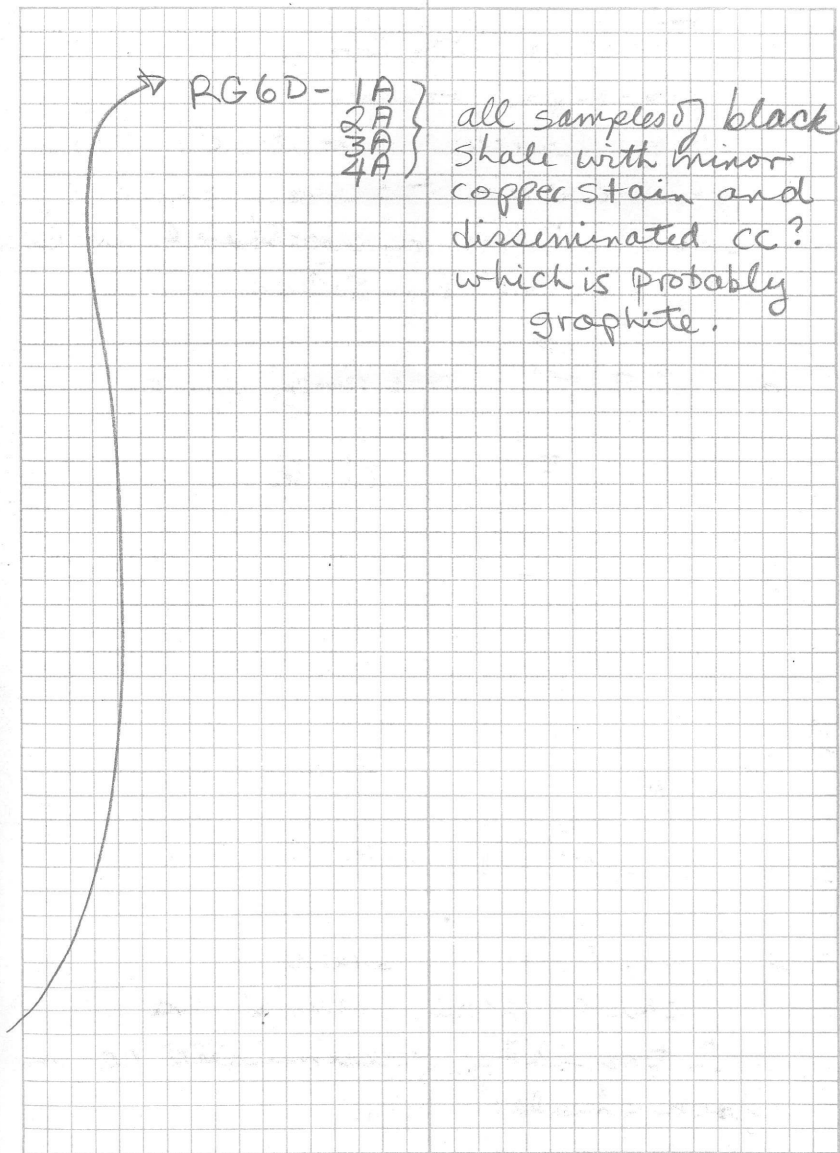
Δ10 28 $\frac{20W}{|}$ Shale

Δ11 176 $\frac{10W}{|}$ shale

Δ12 150 $\frac{56E}{|}$ shale

copper stain, remobilized cp,
and possibly disseminated cc in
black shales

Δ13 146 $\frac{62E}{|}$ at RGSC-32



7 June 1976: CLOË CLAIMS

RC6D-1A - accurate chip across
5 FT of better mineralized
shale (in fold nose / \perp to
bedding)

RC6D-2A - chip across
25 FT of shale (\perp to bedding)

RC6D-3A - rough chip
sample across 200 FT of
of outcrop across fault zones
but at various attitudes to
bedding.

Anomaly at base of creek
in bank samples was due
to contamination from float
in creek. Showing at top
consists of sphalerite and
lesser galena in brecciated
black shale. Width of
complete fault zone is
about 200 FT (3 or 4 separate

GREMLIN CREEK

RG6D-5R - CHIP OF BRECCIA
with round clasts & pyrite

HAND SPECIMANS -

Gremlin Creek -

cp in tx sandstone

cp in sid. vein

- 3 samples from peculiar
intrusive rock from talus - doesn't
outcrop. Contains pyrite, minor
cp, and unident. mineral xls in
felsic matrix

Faults + brecciated & folded
shales between)

9 JUNE 1976: GREMLIN

Δ1 \rightarrow 175 dipping 32 N moderately
siliceous grey shale
- siliceous cherty breccia in
core of fold (sample)

Δ2 146 $\frac{52 E}{/}$ grey, moderately
siliceous shale

Δ3 162 $\frac{70 E}{/}$ grey sil. shale

Δ4 2 parallel qtz-siderite-cp veins
10 feet apart - one ~ 100 FT long in
exposure, the other only exposed for
50 feet (covered at both ends) Widest
is about 8 feet with several
lensy pods of very coarse grained
siderite with stringers of quartz in
between and some included
fragments of wall rock, $\frac{44 E}{/}$ 174
Est 2% Cu across BFT.

Surrounding rx brown weathering
argillite badly fractured with no bedding
visible.

Δ5 brown weathering silty dolomite
with thin cherty laminations
 $\frac{70 E}{/}$ 170 Thin siderite veinlets
with cp & py

Δ6 shale strongly folded on axis
 \rightarrow 148 plunging 10° to N
Several sid veins up to 5 feet wide
cut shales with attitudes similar to
previous. All ds talus on opposite
bank of creek.

Δ7 Fault $\frac{80 NW}{/}$ 200

Δ8 $\frac{14 E}{/}$ 190 grey shale weathers
slightly rusty on joint surfaces.

Δ9 DS shale contact - same
attitude as above ~ 10 FT of ds in
creek bottom

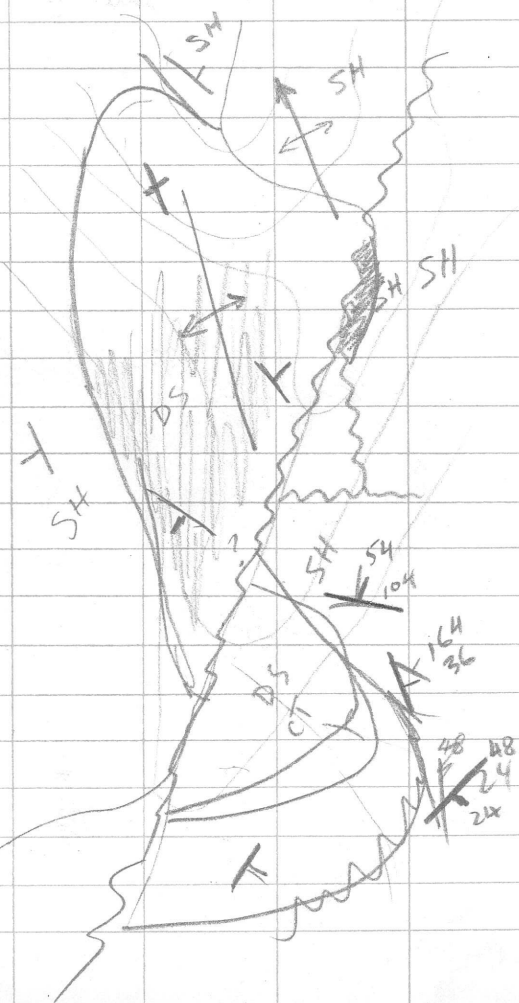
Δ10 $\frac{38 S}{/}$ 54 shale

Δ11 $\frac{20 NE}{/}$ 102 brown w ds

Δ12 qtz vein zone parallel to bedding
w py & cp

△ 13

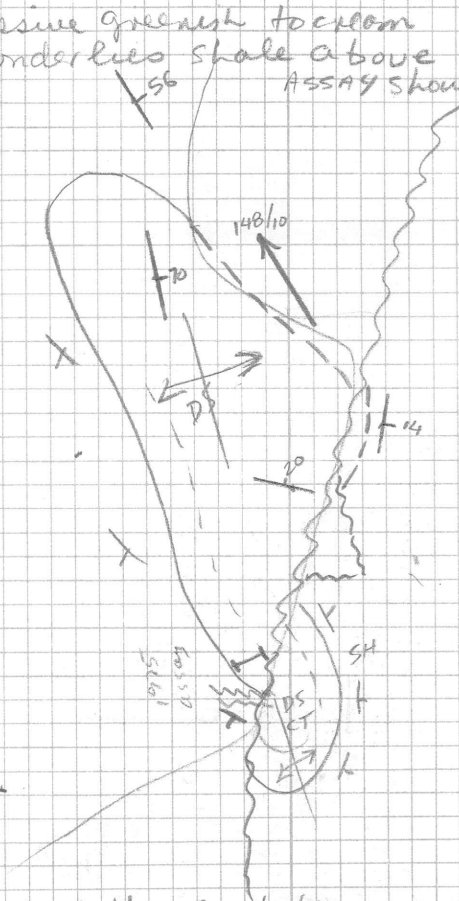
54 N
104 - greenish chert bed
20 FT thick bordered by
shale.



△ 14

36
164 SH

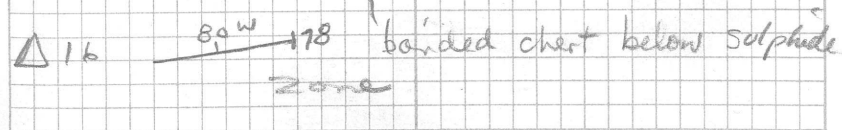
△ 15 above Falls shale-ct contact
massive greenish to x-lom
ct underlies shale above
ASSAY showing.



△ 16

89 W 178

banded chert below sulphide
zone



Δ 16

Sulfide zone is crudely bedded + highly siliceous. Sulfide content varies from 5% to 50% ~~in~~ in various bands - probably averages 20%? across the zone. Not much cp visible but some. At least 30 feet thick where best exposed. Contact with shale obscured, appears to grade into ct. below. Magnetite bands near top of zone.

Δ 17 - last year's assay zone - more siliceous than zone further up slope. less flatter with dip approximately like ct shale contact up stream

~~SCREEN SLICES ALONG VALLEY~~

~~FROM Δ~~

11 June 1976: S J CLOË

Δ 1 $\frac{24W}{1}$ 56 med grey lam. arg
50 FT below this outcrop scree
contains finely banded grey ct,
minor brn w. ds, + black sh
w hz coating.

Δ 2 black massive blocky w
arg no vis bedding no hz

Δ 3 FLOAT IN CREEK - all sheared
volcanic rk - ie slightly schistose
chlorite - fsp - qtz rk. Probably
derived from across thrust fault

Δ 4 black to drk grey arg w.
weak hz stain $\frac{52W}{1}$ 170
Sample for geochem RY6D-6R

Δ 5 $\frac{72W}{1}$ 160 Gd. Pale pink to grn
thick bedded ct ~ 50 THICK in steps
bounded at east by sh, west contact
covered in valley bottom Sample

Δ 6 scree slopes all finely bedded
& beautifully color banded tuff
in shades of grey, green & purple
w. fsp xls weathered out. Samples

Δ 7 $\frac{60E}{1}$ 130 Poor Poorly bedded
schistose volc w tuff bands.

Δ 8 $\frac{70W}{1}$ 14 Good Finely bedded
tuffaceous slate

Δ 9 massive fsp volc drk grn
slightly gneissic.

Δ 10 black weathering finely bedded
silicious tuff

Δ 11 slightly buff weathering silty
ls weathers to small chips

Δ 12 $\frac{14W}{1}$ 40 massive thick bedded
med grey ls underlain by buff
w. silty ls-ds as at Δ 11, & has
thin interbedded blk sh bands
Looks Paleozoic, not H.

Δ13 $\frac{5N}{1}$ 190 qtzite w. cone
shaped burrows - ∴ PZ

Δ14 unconformity between LE?
purple & white qtz arenite and
underlying H? volc schist
similar to Δ7 → 10
volc sch $\frac{54W}{1}$ 174 Poor
SS as per Δ13

Δ15 $\frac{50W}{1}$ 16 red schist intermediate
between SS & volc, prob derived
from hematitic mudstone.
volc could be part of same
sequence as SS - i.e.

volc
red-
white
qtzite
siltstone
mudst

Scree slopes along valley
between Δ15 and at outcrop at Δ5
are all chl sch & green tuffaceous
slate to tuff, probably volc is
H rather than L since there is
no marked fault or other major

dislocation between sh & volc.
red "mudstone" is probably
oxidized chl sch to tuff below
unconformity.

Δ16 $\frac{8S}{1}$ 64 gd blk arg in beds
~ 4" - 12" thick

Δ17 blk shale bx & isochinally
folded. Hz on blk shale flt
15 FT UPSTREAM - on Fractures
only.

Δ18 $\frac{20N}{1}$ 115 BLK RUSTY ARG
R46D - 7R

Δ19 BLK rusty ARG

12 JUNE 1976: S S of Chlöe

Δ 1 16 $\frac{40W}{\text{poor}}$ Dolomite overlain
by chert. Minor py + trace of cp
& ga near top of ct beds.

Δ 2 SHALE-DS-CT-SH sequence
exposed on spur in felsennueer
but no qd stop. Py in ct and
in ds.

Δ 3 $\frac{160}{\text{poor}}$ blk sh slightly rusty
on weathered surfaces RY60-8R

Note - ds-ct package 200FT
stratigraphically below this stop
ds thicker & with less included
ct beds than previous ds-ct
lower in section.

Δ 4 PINK massive ct ~ 200FT
thick no bedding.

Δ 5 $\frac{50W}{\text{poor}}$ 194 greenish slaty tuff

Δ 6 massive pinkish ct brecciated
& cemented by later clear qtz
minor Cu stain along one fracture
trend. Occ blobs of brown
phlogopite? mica. Samples.

Δ 7 160 $\frac{65W}{\text{poor}}$ green slaty tuff
- grades into more massive
chlorite schist & back into slaty
tuff over next few hundred feet.

Δ 8 $\frac{52W}{\text{poor}}$ 28 qd FINELY BANDED TUFF

Δ 9 thin caps of gently dipping LE
qtz arenite caps part of ridge

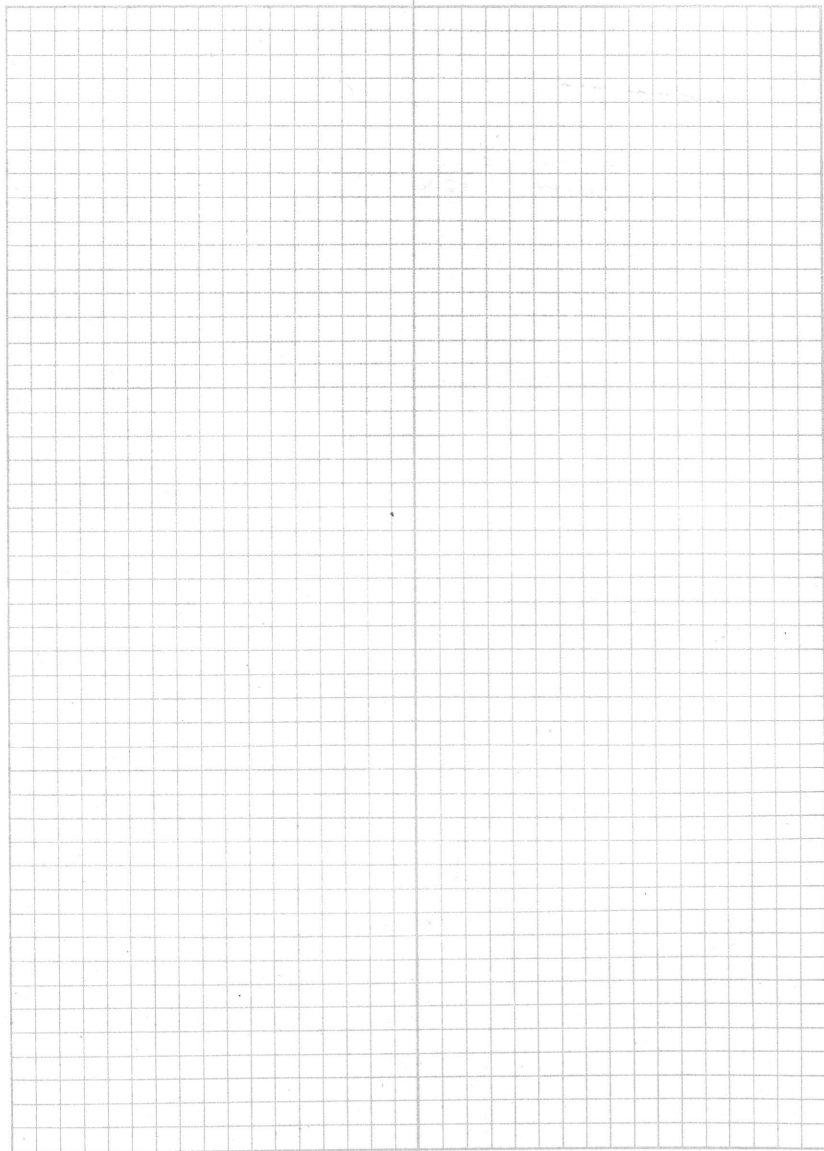
Δ 10 $\frac{35W}{\text{poor}}$ 70 greenish grey tuffaceous
shale

Δ 11 massive volc bx w red
jasper clasts in green matrix
poor bedding? at 66 $\frac{74W}{\text{poor}}$
Weak cp & Cu stain along a narrow
seam.

D12 massive pink ct veined w
clear qtz. Felsenmeer.

D13 $\frac{60w}{1}$ 180 gd green tuff.

~~D~~



13 June 1976: Near Gog, Cairns

Δ 1 $\frac{52W}{1}$ 195
700' green banded tuff

Δ 2 $\frac{60SW}{5d}$ 124
rhomboidal phenocrysts
green banded tuff

Several bands of shale-ct-ds
between here & last attitude. Ds
with large amphiboles which weather
out on surfaces. One small band
greenish tuff not big enough to map.

Δ 3 $\frac{60W}{1}$ 136 blk argillite

Since Δ 2 - bluish, then
~ 200-300 FT green tuff, then
blk sh

Δ 4 $\frac{14W}{1}$ 142
blk thick bedded
argillite

Δ 5 thick unit of blocky fg ct different
from yesterday's pink ct. Trace
Cu stain in qtz veins & on fracture surfaces
in ct.

Δ 6 $\frac{16S}{1}$ 80
large amph. w. out on surface
brn w ds w

Δ 7 $\frac{52E}{1}$ 184 blk ^{grey} massive
ct

Δ 8 $\frac{40S}{1}$ 66
approx blk org

Δ 9 $\frac{15S}{1}$ 80
ridges to ~~west~~ east & ~~South~~
From here all org with generally
consistent dips to S
blk org.

Δ 10 DS $\frac{STEEP W}{1}$ 194 Poor,

15 & 16 June: KEY CLAIMS

- VOLCANICS in PART SIMILAR TO THOSE WEST OF CLOE BUT more acid - flow rx are pale green-grey with Fe²⁺ spherules similar to rx at SLAB. Volc Bx also pale grey with much hematite interstitially & also as clasts? Minor Cu sporadically in all volcanic units.

Showings - all consist of cp + lotsa Cu stain in vein zones related to fractures. Grades look like 1-2% Cu over a few feet. No radiation above background over any of the showings or over any particular unit - may be very slightly higher over volc bx than over shales & may be very slightly higher over Showing #3, where

a narrow band of diss. Co occurs

17 June: Castle Mtn

- prosq 11,000 2m -

Floats of massive smithsonite
in talus in source area of
high Zn, also minor Sp +
cp in sid. v.lets, and
weak hz on blk shale
from Unit 8a.

RYD-8R - blk
Mod sh w wk hz
stain