ATHELSTAN -
JACKPOT

"Retain the Rain"

WEATHERPROOF

LEVEL BOOK

No. 310

NEVILLE CROSBY INC.

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MINING, FORESTRY AND DRAFTING SUPPLIES

LINDA LEE, 1990

Sept 13/90

Grid mapping

L 6+00W 4+75 N

V large, somewhat rounded o/c of green, med-coarse grained intrusive. Numerous old trenches nearby + old cabin; no signs of mining - no o/c in trenches.

Intrusive is quite mafic ~ 50% mafics (px), avg 3-4 mm, + 50% fsp ⇒ diorite - gabbroic compos. - prob Nelson. BCS 13976 - Litho

L 6+50 W 1+50N

old trench 4' deep dug in dark green, str magnetic, rusty volcs, fng ~ coarse px xtals, poss this is unalt'd volcs before serpentine alt'n. V dense, min carb stngrs. Weak perv serpentinization

Was BCS 16998

- rename as 13977 - Litho

L 7+50W 1+25N

- V shaped trenches, 1.5-2 m deep in fg green volc, weak perv carb + mod qtz / carb units.

4 m deep shaft @ NE end of trench - Rx well fract'd, rusty. Dump consists of rusty, perv carb alt'd fg dior (possibly Nelson) & whit, massive qtz vn (to 20 cm in dump)

maybe weak phyric altn with py

Was BCS 16994 - qtz vn

16995 - diorite [liths dior]

rename as

16994 → 13978 ICP

16995 → 13979 ICP

L 7+75N 2+75N

From talus slope @ base of large cliffs / o/c. Dark green fg, equigranular intrusive - prob dior comp.

BCS 13980 - LITHO

L 5+50 W 1+20 N

Small o/c on ine of massive alt'd serp Pale Orange-grey fresh surf ~ 10% vein stockwork along foln. Rusty weathering. No good orient to foln

Was BCS 17000

→ B3981 12 elem ICP+Au

L 5+35 W 2+25 N

4 m deep shaft by side of road on white-pale orange intense carbonate. Prob an alt'n of serpentine. ~100% calc/dolom(?) perv & as uns. Massive.

BCS 13982 12 elem ICP+Au

Sept 18/90

L 5+00W 4+25N

large area of o/c of dark green, coarse grained ultramafic (pyroxenite). Smooth o/c surfaces - many old workings near here + minor o/c of fg gst. This looks like it may be the original rx which is altd to listwanite elsewhere on the property

Mod perv serpentine?

Sample BCS 13983 - Lithe.

L 5+00W 5+50N

large area of o/c of massive blocky fracture, coarse grained intrusive - ± 60% coarse mafics (px) + 40% coarse plag. locally get pieces that resemble u/m above (serpentinized) - possibly these two rx are related ie) this is feeder to?

L 5N 6+25N

Just after cross major road is large well scoured o/c - weathers dark green / white intrusive looking. Fresh surf is med grained, dark green dior - locally coarse px rich (gabbroic) May be weak - mod serpent, weakly developed foln.

L 5N 6+75N

o/c in road cut of relatively fresh, massive, blocky fract intrusive. Med grained crowded fsp porphyry, 40-50% plag, avg 1mm may be weakly aligned + 20% mafics in fg groms, - diorite compos. Weak mod epidotization of fsp.

BCS 13984 - LITHO

L SW 7+25 N

rment pit : poor bedrock exposure but see v rusty gossanous zone in floor (possible trend 070°/90 ???)

Hosted in fng dior - cv fsp porph - relatively fresh.

Gossanous material is siliceous, v rusty, porous "ferricrete"

@ CS 13985 - 12-elem ICP + Au

Suspect this is on Winnipeg - Golden Crown property

Just passed line marking C/L of tunnel.

Claim post @ 3+60N 5+15N

Corner Post No 109374

Claim Name GN Fraction

Post # Identification Post

Location LCP 1500 S to LCP

PMC No 282188

LCP 130° SE 61 M SE to LCP

Nov 14, 1989

2 tags on this post say same thing - Looks like fraction stated using wrong tags

Friday, Oct. 19, 1990 CJC

- cloudy and fucking cold.

Purpose: ① Walk some previously mapped lines to familiarise with rock types

② Begin mapping unmapped lines in vicinity of workings.

A1 L 5100W, 6+25N

A2 Beginning mapping on L4+50W, 11+00N at road

- blocky float along roadside is combination altered (mod) serpentinite and listwanite

A 4+65W, 11+15N, small roadside o/c of weakly altered serpentinite.

A 4+70W, 11+25N, small o/c of Fe-carbonate altered, foliated, light orange listwanite.

A L4+50W, 11+55N, old skidder trail

- abundant blocky angular altered serpentinite/listwanite boulders.

Oct 19, 1990

△ 4+60W, 2+15N, angular blocky float of various lithologies
① Fe carb listwanite
② so-called p.g. diorite,
③ coarse grained diorite.

△ 4+55W, 2+23N, rounded slightly float of very coarse grained pyroxene (Augite?) gabbro.

△ 4+80W, 3+00N, subcrop of possible coarse grained pyroxenite
- approx. 70% mafics; dark green pyroxenes; 30% feldspars ??
- possibly some dark black serpentine
- trace pyrrhotite (magnetic) stringers
- hand sample taken for comparison purposes.

△ 4+50W, 4+00N, old line trending 050 with stn marker L476E, 462+50N

OCT. 19, 1990

△ 4+50W, 4+50N, float material is combination of listwanite/pyroxenite, medium grained diorite, and possibly unaltered serpentinite. - underneath old power line.

△ 4+50W, 4+75N, old trench bearing 030 for 20m, sides have caved, no rock visible.

△ 4+50W, 5+00N - 5+25N large exposure of very coarse grained diorite/gabbro; equant, randomly oriented feldspar and matic minerals about 2-3mm in dimension; occasional veinlets of feldspar/qtz; jointing is oriented 220/78 (RHR); occasional v.f.g. bandings, light green in colour, almost cherty in appearance, approximately 2-3cm wide, this seems rather unusual

Oct. 20, 1990
Athelston-Jackpot
1:2000 scale
mappings.

Line H100W

A1 H100W, 5+75N
- roadcut
- 1m wide feldspar porphyritic, bleached with rusty staining granodioritic to granitic dyke
- 078/80S RHR
- host rock in area is dark green equigranular medium grained diorite.

A2 H25W, 5+50N
- massive, dark green fine to medium grained diorite.
- equigranular.

A3 H100W, 5+50N
- small trench 10m long bry 060°
- float in trench is gabbroic to coarse grained dioritic.

Oct. 20, 1980

Δ4 L4+00W, 3+75N

- subcrop of dark green with greyish greasy lustre, coarse grained intergrown crystals
- possibly grabbro or pyroxenite in process of being metamorphosed to serpentinite.
  - resembles pyroxenite, but crystals are serpentine (var. talc)
  - ie scratch easily and have greasy talc feel.

Note: no outcrop from this point on to first road intersected at L4+00W, 0+75N

Line 3+50W

Δ5 L3+50W, 0+50N

- road

Δ6 L3+50W, 2+30N

- very small subcrop of altered serpentinite; foliation developed but no exposure assuredly in place for

oct. 20, 1990

good measurement
- weak Fe-carbonate alteration

A7. L3+50W, 2+95N BCS13986
- altered serpentinite/listwanite.
- light grey/green in color with pinkish hue.
- Fe carbonate alteration, rusty staining,
- quite competant rock although well developed foliation.
- quartzose lenses.
- serpentine laminae.
- this outcrop is on S/W side of a prominant gully brg 302° which may be a structure.
- trace pyrite in sample.

A8 L3+50W, 1+35N
- road
- dark green to blk serpentinite
- laminar appearance with greasy lustre on fractured surfaces
- moderately to strongly magnetic.

Oct. 20/1980

Line 3+00W

Δ9 L3+00W, 3+75N BCS 13987

- roadside
- subcrop and outcrop of dark green to black moderately to strongly magnetic serpentinite
- greasy lustre.
- fibrous serpentine (asbestos) when flaked
- lamellar.

Note: - very little to no outcrop on this section of L3+00W
- L3+00W, 0+10N road

Line 2+50W

Δ10 L2+50W, 0+50 S BCS 13988

- road.
- medium to coarse grained ophiolitic gabbro
- massive, dark grey green 60% coarse, sub to anhedral pyroxene (cpx augite??)

Oct. 20, 1990

- 40% plagioclase?
- weakly calcareous, strongly silicified locally
- trace to 1% f.g. euhedral diss pyrite
- v. v. weakly magnetic in areas (possibly pyrrhotite, not magnetite).

Δ11 2+60W, 0+50S BCS13989

- listwanite float
- this sample was found at the base of an old trench trending 060°
  - trench is 1m wide and 15-20m in length.
- sample extremely altered.
  - fuchsite to 25%
  - malachite staining locally to 5%
  - silica flooded and veined.
  - rusty color, on weathered surface; tr. azurite
- host rock at road is extremely altered serpentinite.

Oct. 29, 1990

BCS13990 - outcrop in area of BCSB98 at base of trench on road
- sample is extremely altered, (silicified) serpentenite
- very fine high density stockwork of quartz veining
- dark green, foliated
- trace fuchsite along foliation
- trace malachite

A12 2+63W, 0+50S BCS13991
- quartz vein possibly 10cm in width and traceable for 4m through trench
- trace calcite, fuchsite
- appears associated with 1/2m wide porphyry dyke at 270°/66N
- trace pyrite.
- bound by serpentenite.

Oct 20/90

Note: 2+70W, 0+40S
- two trenches ≈ 1m wide
for 20-30 m
① 060°
② 128°.

Δ13 2+50W, 0+00N, Baseline BCS 13992
- quartz vein injection breccia
- angular brecciated fragments in quartz vein groundmass
- trace calcite, some Fe carb.
- lithologies vary from diorite to serpentenite.
- may not be in place
- trace sulphides
- tr fuchsite, malachite.

Note: 2+50W, 2+30N
- well foliated altered serpentinite / listwanite ⊅ 320/28° RHR.
- Fe carb rusty weathered surface

Oct 20, 1990

Line 2+00 W

Δ14 L2+00 W, 2+50N
- road

Δ15 L2+00N, 0+20N
- old pit approximately 7m deep
- looks like either Bstwanite or altered serpentinite.

Note, ending at baseline and going over to line 1+50 W to start back

Line 1+50 W

Note: beginning at baseline and heading north.

Δ16 2+00W, 0+25 - 0+50N
- two trenches, 1 x 25m long along the line, 2 x 10m branching into two
- all rocks in rubble pile are fairly unaltered serpentinite.

Oct. 20/1990

Note: L1/50W, 2125N
- road
- will end mapping for today -
- listwanite outcrop on road

Oct 21, 1990

Athelstan-Jackpot

1:2000 mapping

Weather: Fog; four inch dump of snow last night; can't see a thing.

Purpose: mapping lines 2W, 1+50W, 1W and 0+50W in vicinity of trenches

L2+00W

A17: L2+00W, 1+00S

- road
- Ok of fine grained green massive diorite.
- glacial striae (?) at 080

A18: L2+00W, 0+75S RCS13993

- trench. brg 134° for ±20m
- rock in trench is orange brown weathered; fresh surface is grey in colour with small (1cm) quartz veins in stockwork pattern
- alteration is Fe-carbi rock is weakly foliated.
- lis tw anite.

Oct. 21/1990

Δ19. L 2+00 W, 0+~~51~~ 52 S | BCS13994

- small pit 2m x 2m x 0.5m depth.
- foliated, Fe-carbonate altered
- light grey
- 5% fuchsite/mariposite
- brown orange weathering
- foliation more or less flat lying
- silicified comp. bands

Δ20 L 2+00 W, Baseline
- over to L 1+50 W

276/44 R/L

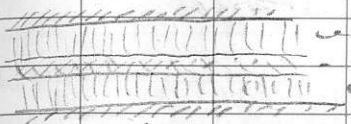
L 1+50 W

Δ21 L 1+50 W, ~~B~~

Δ22 L 1+50 W, at 1+60 W, 0+25 S
BCS13995
- small zone of several 3 cm - 5 cm wide quartz veins
- well developed cockscomb texture from vein wall

Oct 21/90

Inward
- white (pure) bull quartz at vein wall and towards centre with sudden change to slight orange colour at centre



- 276/44 RHR
- some vuggy areas

- exposed for 1 m.

Δ23 L1+50W, 0+50S
- three pits along line at 318°
- all pits seem to be driven to follow ~~str~~ dip of foliation in area
- all are in altered serpentinite or list wanite.

Oct 21, 1990

Pit #1 1+65W, 0+40S
- old winze? driven down 1.5 m and then angled toward 030° and continuing for unknown distance

Pit #2 1+50W, 0+50S
3m deep and angled along foliation
- is actually following structure at 312/52 RHR
- shear zone ± 0.5m wide
- gouge material

Pit #3 1+42W, 0+51S
- 1.5m deep following same shear as Pit #2

Oct. 21, 1990

Δ24 1+50W, 1+25S
- road
- also outcrop of weak carb altered serpentinite with weak to moderate magnetism.

Line 1+00W

Δ25 - ~~1+00~~ L1+00W, 1+70S - road

Δ26 0+75W, 1+25S BCS13996
- portal to adit striking NE/SE along same trend as grid lines
- rusty coloured rocks
- grey on fresh surfaces
- Fe-carb altered
- listwanite.
- tr, malachite.

Δ27 L1+00W, 1+95N
- road

Oct. 21/1980

Line 0+50W

Δ28 L0+50W, 1+15N
- road

Note: 0+95N - road.

Δ29 0+50W, 0+25N - 0+52N
- old Athelstan workings?
- two portals in altered serpentinite / listwanite
- ~~adit~~ driven at 320°

Δ30 ± 0+70W, 1+25S
- excavation with 3 short (L 3m) adits
- rock type is altered serp / list.
- structures in area
  - 254/40S
    - shear structure / foliation
- possible coarse grained intrusive in west wall.
- old samples in area 21108NW, 21927NW, 21929NW

Oct 21/1990

Note: 0+50W, 14+50S
- outcrop is fairly massive dark green
- looks like serpentinized gabbro? if thats possible but is most likely serpentinite.

Line 0+00W

Δ31 0+00W, 1+00S
- massive or brn weathered quartz-eye porphyry
- 5% quartz eyes

Oct 22, 1990
Athelstan Jackpot
1:2000 mapping

Weather: clear, sunny, cold.
Purpose: mapping lines 250W, 200W north of road.

Line 2+50W

A32 L2+50W, 2+75N
- Road

Notes 2+50W, 3+25N
road

A32 2+35W, 4+00N BCS 13997
- dark green medium to coarse grained ophiolitic gabbro
- mafics are primarily augite.
- tr pyrite
- weak carbonate (calcite)
- massive
- competent.
- felsics : mafics ≈ 40:60.

Oct 22, 1980

Note: 2+50W, 6+00N
- waste dump below old workings/adit
- rock is primarily dioritic with some pieces extremely silicified
- all are mineralized to a certain extent with pyrite and chalcopyrite (oxidizing to bournite) stringers and veins.
- good place to climb around on in snow if you want to break your fucking neck !!!

Δ33 2+70W, 7+20N BCS13998
- fine grained massive dark green mafic to intermediate (basaltic to andesitic) flow
- moderate carbonate alteration
- chloritic.

Oct 22/90

NOTE: 2+50W, 7+75N
- end of line

Line 1+50W

Δ34 L1+50W, 6+75N
- power line and road
- end of line
- ~30m beyond is o/c of same rock as BCS 13998

Note: 1+50W, 4+50N
- main road.

Δ35 1+53W, 2+25N [BCS 13950]
- orange brown weathered surface, dark grey green fresh surface.
- foliated
- carb altered serpentinite / listwanite
- stockwork veining.

Oct 22/90

Line 2400W

A36 2400W, 2+45N
- road.

Note: 2400W, 4+75N road cut with serpentinite

Note: 2400W, 6+25N - end of line

- fuck all outcrop, at least that can be seen in the snow.

Line 1400W

A37 1400W, 7+25N
- end of line

Note: 1400W, 6+65N
- power line and road.

Note: 4+25N - 4+00N. e.g. aphanitic gabbro or diorite
- green

3+75N - gully possible fault brg 130°

L1+00W, 2+00N
- subcrop of altered serpentinite/listwanite.

L1+00W, 1+20N road

Line 0+00W

Nob 0+00W, 6+00N EOL
, 5+78N Road.

A38 0+00W 5+30N BCS 14000
- semi massive, weakly foliated dark green to black serpentinite.
- strongly magnetic - undoubtedly cause of mag anomaly at this end of grid.

Oct. 22/80

Line 0+50W

Δ39 0+65W, 2+00N

BCS 14101

- listwanite boulders and subcrop
- or, brn weathered surface with complete qtz carb replacement on fresh surface giving white to buff colour.

Oct, 23/90
Athelstan Jackpot
1:2000 mapping

~~Purpose~~

Weather: Heavy fog

Line 0+50E

Δ40: 0+50E, PB 0+00N
- waste dump beside road
- rock is listwanite, altered serp, some f'spar porphyry.

N.B. 0+50E 2+00N
- no visible ore to this point
- will traverse over to Line 1+00E and head south.

Line 1+00E, 2+00N

N.B. 1+00E, 2+75S
- end of line
- will traverse back to line 0+50E and close

Oct. 23/90

Line 0+50E

N.B. 0+50E, 2+25S
- end of line.

Δ41 0+50E, 2+00S (BCS14102)
- light grey green massive fine grained very silicified possibly andesite flow??
- tr to 1% pyrite

Δ42 0+45E, 1+80S [BCS14103, 104]
BCS14103 - very strongly altered zone trending 028
- very rusty stained; strong ankeritic alteration + some fibrous serpentine (asbestos?) ~ 0.5cm wide.
- pyrite 20-30% to semi massive in areas
- some arsenopyrite

BCS14104 - host rock to above sample and same as BCS14102
- massive lt grey green fine grained strongly silicified

③

~~Ag~~ ~~pyroxenite~~ possibly ~~pyroxenite~~ Oct. 23/90

~~Line 14+50E~~

Δ43 1440E, B [BCS 14105] mafic.
- dark green ~~fine to~~ medium
grained ~~intermediate flow~~ diorite
~~str~~ (andesite) very similar to
~~rock type at northern end~~
~~of line 2100W~~ 2400 ~~and 2150W~~
- occasional 1mm size feldspar
phenocrysts in finer grained
matrix
- c.f. BCS 13998
- weakly magnetic

Δ44 1465E, 0+30N
- inclined adit trending 106°
- listwanite over fault zone
gouge.
- fault orientation
≈ 074/32.

BCS 14106 Listwanite
BCS 14107 Fault gouge

[BCS14106] - massive, white, completely
carbonate and silica altered
listwanite
- almost looks like qvn.
- tr. pyrite.

Oct 23/80

BCS14107 - dark rusty stained fault gouge.

N.B. 1+50E, 2+00N, traverse over to L 2+00E and head south.

L 2+00E

N.B - heading south from station 2+00E, 2+00N
- this is the beginning of a traverse 2 25m long heading to a portal brg 260°

1 45 L 2+00E, 1+50N
- Portal Brg 266
- walls are altered serpentinite
- waste dump is mainly listwanite

250 rd - 775

200 rd - 625

150 Rd - 575

100 Rd - 725

050 - Rd - 675

00 Rd - 600