

820006

To R.A. Dujardin

17/6/82,

From A.B. Clendenan

Re: Queen Charlotte Island Properties

Thoughts from before & After field exam.

Inconspicuous Property NTS 103 FIVE +15W - Before
 Au As soil-rock values generally of higher
 tenor than PDL April claims by 2x factor.
 Some PDL Rx on surface ran +5000 ppb Au
 but blank in DDH. Other areas ^{on April} 300-1200 ppb
 Au Surface (avg 500ppb), or 1/2 Inconspicuous,
 ran up to 10ppm in DDH results. Above
 data is from memory. The assessment reports
 have been released but are not microfilmed
 & distributed as yet. The originals are
 available in Victoria and probably the
 Skeena Mining Records office in Prince
 Rupert.

The ^(better) analysis values ^(ie +100 ppb Au) on the Inconspicuous
 claims do not appear related to geology
 but rather shearing and/or faulting which
 has resulted in silicification locally with
 pyrite and clay alteration. If the hypothesis
 re Fault/Shear controlled mineralization is
 correct then numerous other fault traces
 as interpreted from topography are
 evident in the immediate area.

P1118 west side detail A showing to P1857 is 500m SSW
 with feldspar altered to clay with sulphide zones
 with very interesting results locally (2040 ppb - 5 meter)

2
Conclusion.

Jasperoid float, clay alteration of hbl. needle andesites and feldspars, pyrite zones, banded chalcedonic veins, ^{Volcanic breccias} and definitely anomalous Au + As values in rock, soil and site samples make this a very interesting sounding property. Definitely worth a field exam.

A.B.E.

26/6/82

Thoughts on Inconspicuous after 23/6/82 Visit analysis coming.

Main Showing is a narrow (2-4m) steeply (70°) dipping silicified zone(s) with fine pyrite, and arsenopyrite to 2%. Locally stibnite blebs to 3cm in "chunky feldspar porphyry" which appears to be a subhedral feldspar (plagioclase 3-7mm) - quartz (1-4mm) porphyritic rhyolite with less than 1/2% pyrite generally. Considerable overburden and cross cover. Only soil seen was A₀ and locally A. The "jasperoid" is reported to be siliceous shale, the clay alteration is very weak and mostly non-existent except for surface weathering.

Not likely of any interest. Analyses awaited for Ag Au As Hg Sb.

11/6/82

~~Claim Maps~~

Heart.	104J12	104K9
Level M+n	104J6W	104J11W

AR.

Lyell Isl.

103 B

AR

Not
Applied
to
100

#	Company, Author	Year	Clm	Commod	Work.
482		63	Bud		Dipn Radg
645	Placid	64	Marven		Magg
7820	Placer, Pentland 103B1ZE	79	April		Soil, Silt, Radg, Mgr, Magg
8093	J.C. Stephen, Shearer 103B1ZE	79	Lyell		Geol Soil, Rock
8353	" " 103B11W	80	Tar		Geol Soil, Rock
8501	JMT, Christie 103B1ZE	80	April		Geol Soil Silt+Rock
8663	Placer, Christie 103B1ZE	80	April		Dred, Soil Silt+Rock Geol.
8197	Placer, Christie 103B6E	79	Archie		Soil, Silt, rock, geol
8714	" " "	80	Archie		Soil, Silt, Rock

AR 7820 - April Claims 103 B 12E

- recon silt several streams .03 to .04 ppm Au
with one .24 ppm Au which is now on
April 3 claim.

- claims underlain by basic volcanics of Jurassic
Karmutsen, thin bedded limy to siliceous
argillites of the Jurassic-Triassic Kunga
formation and acid volcanics of the
Masset formation, believed to be Paleocene-
Eocene in age. Claims are evenly bisected
by a major fault striking SE. from Richardson
Passage past Takelley Cove.

Main interest is highly fractured and
pyritized rhyolite tuff ~~also~~ exposed for {April
8 x 200 meters. This rock carried minor } claim
Au with 6 ^{rock} samples averaging .59 oz/t Au.

a seventh sample fire assayed 12.6 ppm Au

Soil. Au weakly anomalous at .03 ppm

As " 100 "

Hg " 500 "

April 1 3 soils .06 to 13 ppm Au

3 rock assayed .09 to .36 ppm Au

cont. April 3 claim .07 to 1.45 ppm Au, 110 to 7500 ppm As.

26/6/82

Lyell Isl

(After Visit)

April Claims of PDC

Appears to be low to very low grade Au
in Ankerite? gtz-carbonate microfractures in
a silicified zone in part or all of a
Rhyolite. The mineralization may therefore
be stratabound if the fluids/gases were
restricted or confined to the rhyolite.

Ale

17/6/82

Highgrade - Q.C. Isl

103 B 125, Before
Visit

showing 1 - 2000 ppb Au in grn stone & argillite
- structure 5 meters $160-165^\circ$
- weak silicification
- to 10% pyrite

showing 1a - ankerite carbonate - clay altered rx
alteration to 5m

- highest Au rock chip 2-300 ppb Au

showing 2 - poor exposure of alteration
< 100 ppb Au

showing 3 5m strong silicification + ankerite
alteration

Reported 2960 ppb Au, 2340 on map.

(H)

Fig 7 + B No

Chalcopyrite on showing 3 60 x 140 m
Anomalous locally. Au alteration zone
discontinuous or is it o/c pattern.

"anom. Au" is too low. 14 ppb

Check on FA pre con Neutron Actio for Au.

Agree more mapping + sampling may be
warranted. Massive trenching programme does not
appear warranted.

Feb 15 82 rpt

The zone of Au alteration is worth further
prospecting

Highgrade

After Visit

26/6/62

"Host" rock is a re-brecciated rhyolite with angular quartz and rhyolite fragments averaging 7mm cemented by quartz. Arsenopyrite to 2% present in the apparently narrow zone. I still don't think the area warrants + trenching with a backhoe. Some prospecting + sampling may be warranted.

A.C.

Goldy - Locke 103 B 12 W Before Visit
March 8.1 report.

- Geological area very restricted
- Jasperoid SE 350 m of LCP By
Fault contact i.e. Karmutson.

- G.C. soil & rock. best is # 3 bit on
Jasperoid \rightarrow 3 high 2×5000 ppb Au ^{1 x 2066} Rocks.
other Rock + soil 10 to 187 ppb Au
1 is next best

\rightarrow 10-12 m x 80 m high 3000 ppb Au.
avg \approx 100 ppb Au. 175 ppb As.
2 is very small.

Possibility # 3, 1, 2 could be
surface expressions of similar
structure.

Rec. programme is tracking

JAC.

After Visit

26/6/82

looked at the most accessible but from
the map the smallest (#2) showing. Not
impressed. Traces of arsenopyrite & pyrite
in the narrow, restricted silicified
zones.

PUMPLESTILTSKIN 103 FBW, Before
rept Nov 80

- Clay carbonate - silica - sulphide alteration plotted 100 m wide + 500 m long
- Au Very low + Very Very low - 5, 35 ppb
- Slight As anomaly 100-650 ppm - restricted to alteration "zone".
- Suggestion by JMT Au low is Lab problem. by FA AA.
-5 to -5 → 10 ppb on reanalysis.
- Suggested soil extension to S.W along Courte - Ritey. Fault. if results of G.C are better than present results then maybe track.
- If one property not to be visited because of time it is this one.

Rumplestilt skin

After
26/6/82.

Only traces of arsenopyrite and pyrite
in either the Yakoun volcanic sst-tuff-
argillites or in the Longarm calcareous
siltstone, sandstone and conglomerates

Only one location of any interest & then
very minor was by the Falls where
the Longarms silicified, fractured rusty
sandstone contained up to 10% sulphide
locally.

Not likely a propensity of much further
interest, even though Chevron & Unex
have drilled along a sub parallel fault
to the west.

ABC

Marie	103F8W	103F9W	Before
- Question	drill	sample collection	+ handling
- Au FA	Agua Regina	AA.	
- "Anomalous" zone	gc	5 ppb	
	Hole M3 + M6	anomalous	through 300' lagrl.
	- M3	60 ft	105 ppb, prob contam from Cave. higher in hole
	- M6	60 ft	20'-80' avg 463 ppb Au
	M4	weakly anom	to 250 ft
M1-	no anom.	20-290	
M2	"	"	30-300
M3	avg 105	high 150 low 55	240-300 ft. contam?
M4	No anom	20-300'	
M5	Hg anom	615 ppb	130-140 ft no Au
M6	865 Au ppb	20-30'	- down hole trail off contam? Au

Check maps but doesn't sound promising
Jan 24 1980 Rpt. for Chevron.

- Geochan maps - Au As Hg or As Hg Au - & if only 2 which 2 in which order

Assume As Au if 2
As Hg Au if 3

- Soil by PD 6 340/5 so 865 ppb at 20-30' in PD 6 not indicated by soil gc.
- Aside from silicification & chalcocenic veins and pyrite zones not of much interest
- Didn't drill highest gc on best geol - should have tested area 700-800 M N.W. of center of Shiela Lk. which is not on Chevron Ground - but is on JMT Many Years. in 80.

Marie

After
26/6/82

The rotary drilling was done on the road to spend enough money to meet 1.5×10^6 commitment.

Landed N.W. of Shiela Lk and walked down through the area that looked best from the study of the reports on Soil & Rock g.c. and geology. Thick sequence of rhyolite tuff, rhyolite flows, Lithic Rhyolite and locally silicic rhyolite with minor arsenopyrite and pyrite. The "best" (Gordon Richards) mineral potential is next to the intrusive. There is an 8 meter zone there that is fractured and rust stained. The creek is almost solid O/e from top to bottom.

Not impressed by the property.

ABC