PGS Pacific Geological Services

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008907

92HSE 094?

NOVA PROPERTY

Commodity: gold & silver, possible base metal targets
Location: NTS map sheet 92H/01E, about 20 km WSW of Keremeos, B.C.
Claims: Nova 1 - 12 two-post claims (12 units)
Owners: John Nebocat (50%); Harvey Klatt (50%)

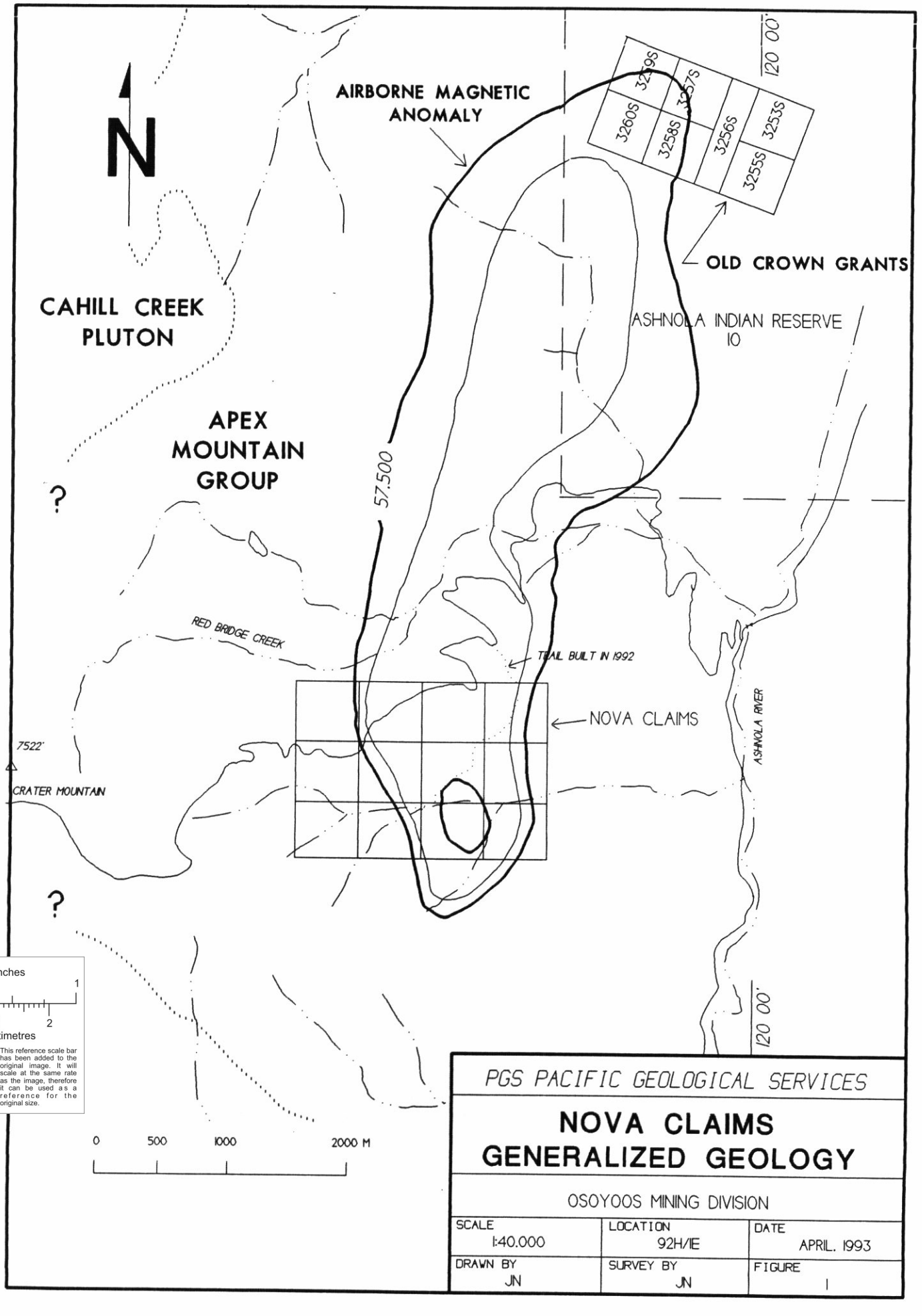
Capsule Geology:

The property is underlain by the late Paleozoic Apex Mountain Group ophiolites (formerly Bradshaw, Independance, etc. Formations). It consists primarily of thick successions of greenstone, ribbon chert, shale and lesser amounts of rhodonite, jasper, limestone and small mafic intrusions. A regional geochem survey performed by a major company in the early 1980's led to the discovery of a zone of massive to thinly banded magnetite interbedded with carbonaceous shale and chert. A reconnaissance soil sampling/mapping survey, with stations every 100 metres along contours 200 feet apart, showed the magnetite-bearing horizon(s) to be at least 800 metres wide in an east-west direction and up to 1600 metres long in a north-south direction. The soil survey showed a strong correlation between arsenic and silver anomalies and an overlapping but similar relationship with copper and zinc. Anomalous gold values are more spotty but essentially correspond with the arsenic. These soil anomalies are focused over and peripheral to the magnetite horizon(s).

A small control grid was located along a claim line in the center of the property in 1992. The magnetite was traced for at least 500 metres east-west, and another 200 m to 300 m is indicated along the claim line to the west. The average thickness of the unit is about 50 metres. Select samples of magnetite-rich material yielded values ranging from trace to 178 ppb Au and up to 789 ppm As; however, chip samples taken from the overlying chert, near some quartz veins, ran up to 947 ppb Au and 4049 ppm As. Three adjacent chip/channel samples ran just under 1 g/t Au over an aggregate 4.5 metres. Limonite and jarosite coat fractures throughout the magnetite horizon, otherwises it is indistinguishable from the enveloping shale and chert.

Target:

The geology of this property suggests that it may be a gold-bearing, banded iron formation. Anomalous Cu and Zn soil geochemistry may also indicate base metal sulphide targets within this formation. The government airborne magnetic survey shows a "bull's-eye" anomaly directly over the property and a broader, contiguous feature extending to the north for several kilometers, indicating that the iron formation may extend in this direction at depth.


N
AIRBORNE MAGNETIC ANOMALY
3279S
3257S
3260S
3258S
3256S
3253S
3255S
120 00'
OLD CROWN GRANTS
CAHILL CREEK PLUTON
ASHNOLA INDIAN RESERVE 10
APEX MOUNTAIN GROUP
?
57.500
RED BRIDGE CREEK
TRAIL BUILT IN 1992
NOVA CLAIMS
ASHNOLA RIVER
7522'
CRATER MOUNTAIN
?
120 00'
0 500 1000 2000 M
inches
0 1
0 1 2
centimetres
This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.
PGS PACIFIC GEOLOGICAL SERVICES
NOVA CLAIMS
GENERALIZED GEOLOGY
OSOYOOS MINING DIVISION
SCALE 1:40.000
LOCATION 92H/1E
DATE APRIL. 1993
DRAWN BY JN
SURVEY BY JN
FIGURE 1