

Stop 6

Bonaparte Gold

Basalt

Miocene plateau basalts occupy the high ground and form prominent cliffs bounding the exposures of older rocks. The basalt is dark green-grey and massive. Columnar jointing is common.

2.3 Mineralization

To date, mineralization primarily occurs in a series of north-south trending quartz veins, hosted mainly by the quartz diorite intrusion. At least eight gold bearing quartz veins are recognized from trenching and drilling. From west to east these are the Grey Jay, Owl, Crow, Nutcracker, Raven, Chickadee, Flicker and Woodpecker Veins, as shown on Figure 4. A number of drill intersections which may represent additional veins also occur. The veins generally dip moderately to steeply east and locally range up to 3 metres in thickness. Pinching and swelling is common along the length of the veins. Locally the massive, white quartz veins contain up to several percent sulphides (dominantly pyrite with lesser chalcopyrite, pyrrhotite and molybdenite). Free gold may occur both in trench and drill intersections. Generally the gold is associated with silver-grey (bismuth?) tellurides.

In a limited number of cases, anomalous gold values occurred in shear zones or in country rock. In drill hole 89-8 a section of hornfels containing only very narrow quartz stringers ran 1.30 oz/t over 0.68 metres. Several instances of auriferous quartz diorite occurred. In TR-89-010 quartz diorite adjacent to the Flicker Vein ran up to 0.480 oz/ton over a one metre long panel sample. Siliceous quartz diorite in drill hole 89-12 which was not spatially associated with any quartz veining ran 0.217 oz/ton over 0.42 metres. In all three of the above cases the auriferous country rock was indistinguishable from adjacent barren rock. A final example of gold grades not confined to quartz veining was TR-89-004 where a shear zone (containing narrow quartz stringers) graded 0.613 oz/ton over a true width of about 1.5 metres.

Lee, 1989 A.R. 18,682

BLACK
PYRITE
HORNfels

QUARTZ
DIORITE

Stop 6
Bonaparte

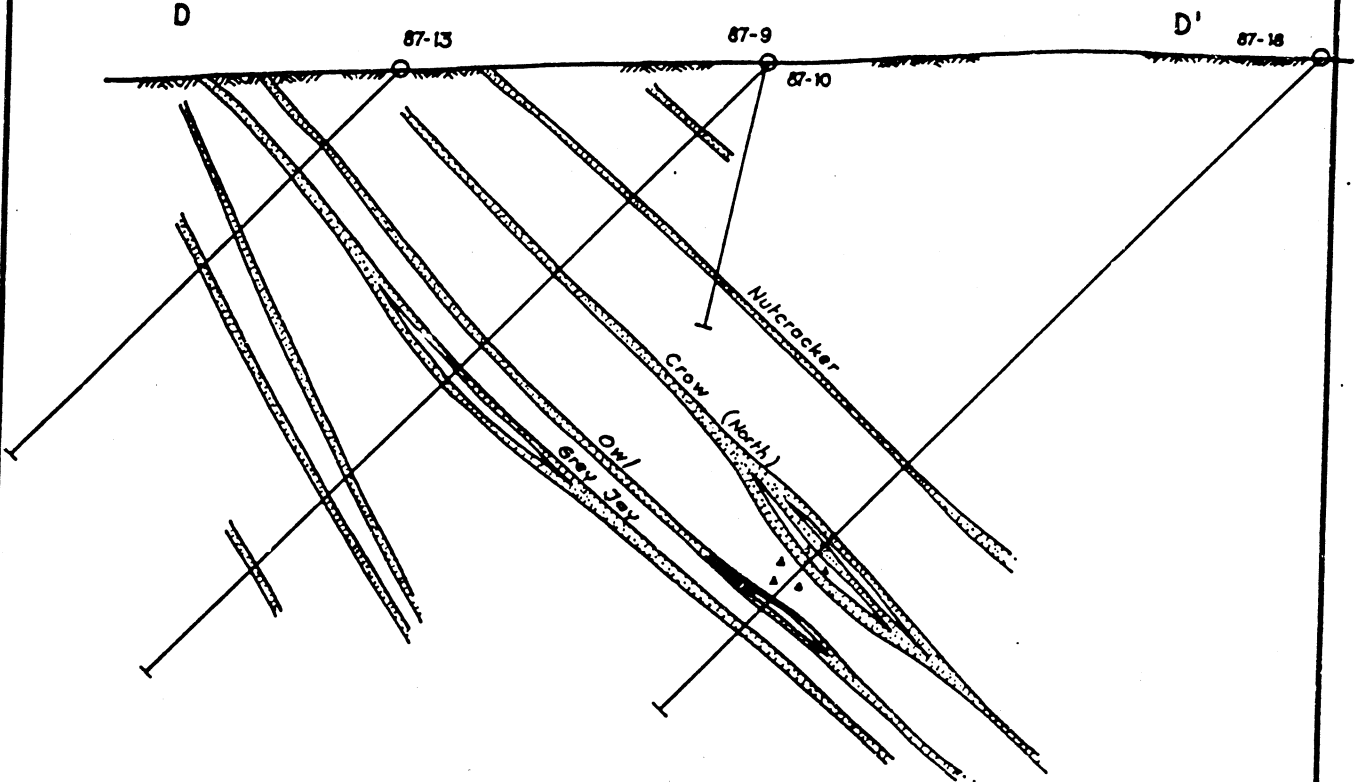


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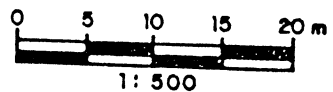
17

NW

SE



Section along azimuth 140° looking North



1: 500

QPX MINERALS INC.			
BONAPARTE CENTRAL PROPERTY KAMLOOPS B.C. BRITISH COLUMBIA			
CROW VEIN SYSTEM CROSS-SECTION D-D'			
Originator L.J.L.	Drawn c.o.	Plan No.	FIG.
Revised	Date March '89	NTS 92P/1W	47
MINEQUEST EXPLORATION ASSOCIATES LTD.			