



Occurrence Details

Occurrence Number: 115K 110

Occurrence Name: Big Bend

Occurrence Type: Hard-rock

Status: Anomaly

Date printed: 12/19/2025 1:56:11 AM

General Information

Secondary Commodities: gold

Deposit Type(s): Vein Au-Quartz

Location(s): 62°1'41.76" N - -140°19'30.15" W

NTS Mapsheet(s): 115K01

Hand Samples Available: No

Last Reviewed:

Capsule

Regionally, the area is underlain by equigranular biotite- and hornblende-bearing granitoids and leucocratic aplite dykes of inferred Early Cretaceous age, comprising the Nisling Range batholith. In general, the Nisling Range batholith varies from non-magnetic granitic compositions in the west to magnetic dioritic compositions further east. Porphyritic dykes are locally noted nearby cutting the Nisling Range granitoids; these dykes may be Cretaceous in age, or may correspond with nearby Early Tertiary intrusive ages documented by Murphy (2011).

The Nisling Range batholith intrudes Snowcap and Finlayson assemblage rocks of the Yukon Tanana terrane (YTT). In the area, the Snowcap assemblage is dominated by siliceous meta-clastic rocks (quartz-biotite and quartz-muscovite schists). Subordinate marble and carbonaceous meta-clastic rocks likely correlate with the Finlayson assemblage.

Mapping the Big Bend target area identified several granodiorite boulders with sheeted quartz-molybdenite veins and parallel sheeted narrow aplite dykes which are similar to gold bearing veins at the Hailstorm occurrence. To date, soil sampling has identified anomalous values of Au-As-Te-Bi-(Mo). (AR 96330), (AR 095754)

Work History

Date	Work Type	Comment
12/13/2012	Geochemistry	
12/13/2012	Geology	
12/13/2012	Geochemistry	
12/13/2011	Geochemistry	
12/13/2011	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096330	2012	Assessment Report on the 2012 Geochemical Sampling, Geological Mapping and Ground Geophysics on the Wolf Project	Soil - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Magnetism - Ground Geophysics, Line Cutting - Other		
095754	2011	Assessment Report on the 2011 Geochemical Sampling and Prospecting on the Wolf Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		