

GEOLISTING BRITISH COLUMBIA, Canada[©]

TGS → JACK
WILSON
(new)

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GEOLISTING [©]			
JACK WILSON	Au Cu Ag	Porphyry & Mesothermal(?) Shear/Vein	BRITISH COLUMBIA
<p>Geology: REGIONAL: area underlain by Upper Paleozoic to Tertiary Stikine terrane, comprising: a) a Late Paleozoic to Mid Jurassic island arc assemblage, b) Mid Jurassic to Late Cretaceous basinal sediments, c) a Late Cretaceous to Tertiary continental volcanic arc assemblage, and d) Late Tertiary bimodal plateau basalts. Stikine terrane intruded by Mesozoic to Tertiary plutonic rocks.</p> <p>DEPOSITS: terrane hosts Galore Creek Porphyry Cu-Au (284 Mt grading 0.67% Cu, including 125 Mt grading 1.06% Cu, 0.4 g/t Au, 7.7 g/t Ag).</p> <p>Significant gold production: Snip Mine (produced 28.57 tonnes Au, 10.86 tonnes Ag and 249 tonnes Cu from 1.1 million tonnes of ore from 1991 to 1997)</p> <p>Johnny Mountain Mine (produced 2.9 tonnes Au, 4.5 tonnes Ag, and 1030 tonnes Cu from 210,000 tonnes of ore).</p> <p>PROPERTY: underlain by Upper Triassic Stuhihi Group clastics and volcanoclastics, locally hornfelsed by diorite and quartz diorite intrusions. Lower Triassic turbidites and volcanoclastics and Permian limestone are exposed in the core of a south-plunging anticline. A zone of brittle fracturing, probably related to the emplacement of the intrusions, and a brittle-ductile shear zone have developed on the property.</p>			
<p>Mineralization: Numerous precious metal vein systems in addition to an extensive porphyry Cu-Au system.</p> <p>Trident area: steeply west-dipping pyrite-silica-sericite contact aureole about a diorite intrusion. Has been superimposed by ankerite alteration and hosts quartz vein mineralization, including Jake's Vein, the Diorite Vein and 14 Creek Pyrite zone.</p> <p>Jake's Vein: east-striking, moderately south-dipping, 20-50 cm wide quartz-pyrite vein with minor chalcopyrite, sphalerite, galena and native copper.</p> <p>Diorite Vein: quartz-pyrite vein and associated orange-brown ankerite alteration varies from centimetres to >1 metre wide along a 200 m strike length.</p> <p>14 Creek Zone: hosts a quartz vein exposed for 100 metres within silica-carbonate-pyrite east-dipping shear zone .</p> <p>Boundary Zone: sub-vertical quartz vein up to 2 m wide with pyrite and chalcopyrite lenses within a silicified diorite. Ridley Zone: shear zone up to 2 m wide with calcite, quartz, pyrite and chalcopyrite.</p>			
<p>Work: 1963: geological mapping, geochemical and geophysical surveys</p> <p>1981: stream sediment survey</p> <p>1987: property staked after RGS data release</p> <p>1988: mapping, grid soil sampling, prospecting, stream sediment survey</p> <p>1990: prospecting, mapping, rock sampling, VLF-EM/magnetometer survey, gradient array IP, diamond drilling 5 holes (1433 m)</p>			
<p>Results: Porphyry Zone: 1.5 by 0.5 km Cu-Au soil anomaly and drilling intersected mineralization in all holes, including 60 m containing 0.215% Cu and 0.411 g/t Au.</p>			

Jake's Vein: values of 1200-5000 ppb Au (and up to 168 g/t Au) along 170 m strike.

Diorite Vein: values of up to 74 g/t Au. Soil sampling indicates two vein systems remain open along strike.

14 Creek vein: up to 7290 ppb Au over 1.0 m.

Boundary Zone: 8680 ppb Au and 709 ppm Cu (max 39,700 ppb Au and 7522 ppm Cu) over 1.7 m.

Ridley shear zone: up to 44,600 ppb Au and 42,692 ppm Cu.

Saddle Ridge shear zone: 2 m wide, assayed 4.25 g/t Au and 3.3% Cu.

Property Details & Access:x JW 1-3, JW 4,6 claims, 100 units, approx 2500 hectares
Via helicopter from the Scud River airstrip 18 km northwest of property
Airstrip is 1.5 km long, and formerly serviced by DC-3 aircraft

Detail Location:x Liard Mining Division, 75 km northeast of Wrangell, Alaska and 80 km south of Telegraph Creek
centred at 57° 11' N, 131° 37' W

Other Comments:

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