

Location/Identification

MINFILE Number:	082ENE073		
Name(s):	<u>AZZA 7</u> AZZA, MORNING 1, KEN, LIGHTNING PEAK CAMP		
Status:	Showing	Mining Division:	Vernon
Regions:	British Columbia	Electoral District:	Okanagan-Vernon
BCGS Map:	082E098	Resource District:	Okanagan Shuswap Forest District
NTS Map:	082E15E	UTM Zone:	11 (NAD 83)
Latitude:	49 56 04 N	Northing:	5532533
Longitude:	118 34 35 W	Easting:	386874
Elevation:	1740 metres		
Location Accuracy:	Within 500M		
Comments:	Trench No. 7, located about 7 kilometres northwest of Lightning Peak (Assessment Report 16216).		

Mineral Occurrence

Commodities:	Silver, Gold, Lead		
Minerals	Significant:	Pyrite, Galena	
	Associated:	Quartz	
	Alteration:	Kaolinite	
	Alteration Type:	Argillic	
Deposit	Character:	Shear, Vein	
	Classification:	Hydrothermal, Epigenetic	
	Type:	105: Polymetallic veins Ag-Pb-Zn+/-Au	
	Comments:	Shear-hosted.	

Host Rock

Dominant Host Rock:	Plutonic		
Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Middle Jurassic	-----	-----	Unnamed/Unknown Informal
Isotopic Age	Dating Method	Material Dated	
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Lithology:	Granodiorite, Diabase Dike		

Geological Setting

Tectonic Belt:	Omineca	Physiographic Area:	Okanagan Highland
Terrane:	Plutonic Rocks		

Inventory

Ore Zone:	SAMPLE	Year:	1987
Category:	Assay/analysis	Report On:	N
		NI 43-101:	N
Sample Type:	Chip		

Commodity	Grade
Silver	54.0000 grams per tonne
Gold	0.4500 grams per tonne

Comments: Sample T7-1.10-1.20 is a chip sample of a 1-metre wide quartz vein in trench No. 7.

Reference: Assessment Report 16216.

Capsule Geology

The AZZA 7 showing is located in the upper watershed of Rendell Creek, approximately 7 kilometres northwest of Lightning Peak. The showing is hosted by granodiorite of an unnamed Middle Jurassic intrusion. The AZZA 7 showing consists of a north-south trending shear zone which contains a 1-metre wide quartz vein and a diabase dike. The shear zone is believed to be the southern continuation of the MORNING (082ENE022) shear zone. The MORNING shaft is located approximately 350 metres to the north. The vein, as exposed in a trench at the AZZA 7 showing, contains local concentrations of up to 20 per cent coarse-grained, anhedral pyrite with minor galena. A zone of intense argillic alteration, measuring approximately 3 metres wide, occurs in the hangingwall between the vein and a diabase dike.

The Lightning Peak area has seen intensive exploration for vein-hosted silver-lead-zinc deposits since the late 1890s. During the 1930s, Dictator Gold Mines Limited sunk a 35-metre shaft on the MORNING shear zone and developed approximately 40 metres of underground workings. Later in 1948, Paycheck Mining and Development Company Limited held claims covering the MORNING showing and surrounding area. It is probable that 2 small trial shipments of silver-lead-zinc ore in 1948 came from the MORNING dump.

In 1974, K.L. Daughtry carried out a magnetometer survey over the MORNING 1 & 2 claims, which covered the MORNING shear zone. The survey identified a north-south structure, later identified as a diabase dike in the MORNING shear zone. In 1979, W.G. Botel carried out a ground electromagnetic survey of the MORNING area, which was staked as the ROB 1 claim. A northwest-southeast trending anomaly was identified to the north of the MORNING shaft. It was concluded that the area was structurally too tight to host an east-west shear zone like that of the WATERLOO (082ENE017) mine.

In 1983-84, L.A. Bayrock carried out two small geochemical surveys over the KEN claim, which included the southern extension of the MORNING shear zone. These surveys identified weak gold and silver anomalies in lineament soils.

In 1985, L.A. Bayrock staked the AZZA claim over the area around the DICTATOR (082ENE023) Crown grant and the ROB 1 claim. The AZZA claim was optioned to Amulet Resources Corporation, who in 1986, trenched a number of lineaments to the south and southeast of the MORNING shaft. These lineaments were identified from aerial photographs. Anomalous gold and silver assays were obtained from quartz veins exposed in the trenches. A chip sample collected from a 1-metre wide vein in trench No. 7, the AZZA 7 showing, assayed 0.45 gram per tonne gold and 54 grams per tonne silver; base metal values were low (Assessment Report 16216). An induced polarization and resistivity survey was also carried out in 1986. Resistivity anomalies were associated with the lineaments.

In 1987, Amulet Resources undertook a program of prospecting, geological mapping, geophysical surveys (induced polarization, VLF-EM and magnetometer surveys) soil geochemistry, trenching, and 576 metres of diamond drilling in 5 holes. This work was carried out on the AZZA claim which includes the AZZA 7 showing. Only the geological mapping was filed as assessment work.

The ROB 1 claim, covering the MORNING showing, expired in 1989 and the showing was re-staked as the XEN 1 claim for Annax Ventures Inc. In 1989, a small program of rock and soil sampling was carried out around the MORNING showing. Rock grab samples collected from the MORNING dump returned high gold and silver assays. A 60-centimetre chip sample of a 1.5-metre wide quartz vein, exposed in a pit 300 metres north of the AZZA 7 showing, assayed 20.8 grams per tonne silver, 0.385 per cent zinc and 0.331 per cent lead (Assessment Report 19010). This vein, although included in the MORNING showing, is hosted by the same shear zone as the AZZA 7 showing to the south.

Bibliography

EMPR AR 1933-A150,A152; 1934-D4; 1948-A150; 1949-A138;
 EMPR ASS RPT 5200, 7220, 13528, 15217, *16216, *18009, *19010
 EMPR EXPL 1979-51; 1985-C31; 1986-C39; 1987-C36; 1988-C25
 EMPR GEM 1974-65
 EMPR OF 1994-8
 EMPR PF (In General File - Sketches of Lightning Peak Area 1919, 1933 and unknown; In 082ENE022 - *Ven Huizen, G.L. (1986): Report on the AZZA and AZZA 2 Mining Claims, Amulet Resources Corporation, Prospectus, June 30, 1987)
 EMPR RGS 29
 GSC MAP 6-1957; 1701A; 1712A; 1713A; 1714A; 1736A
 GSC OF 409; 637; 736; 1969
 GSC SUM RPT 1930A, p.96A

EMPR PFD 837, 853, 887, 673296

Date Coded: 1996/05/08

Coded By: Jay W. Page (JWP)

Field Check: N

Date Revised: 1996/05/12

Revised By: Jay W. Page (JWP)

Field Check: N