

### Location/Identification

<b>MINFILE Number:</b>	082ENE072		
<b>Name(s):</b>	<u>AZZA 1</u> AZZA, DIRECTOR, LIGHTNING PEAK CAMP		
<b>Status:</b>	Showing	<b>Mining Division:</b>	Vernon
<b>Regions:</b>	British Columbia	<b>Electoral District:</b>	Okanagan-Vernon
<b>BCGS Map:</b>	082E098	<b>Resource District:</b>	Okanagan Shuswap Forest District
<b>NTS Map:</b>	082E15E	<b>UTM Zone:</b>	11 (NAD 83)
<b>Latitude:</b>	49 55 41 N	<b>Northing:</b>	5531812
<b>Longitude:</b>	118 34 08 W	<b>Easting:</b>	387397
<b>Elevation:</b>	1700 metres		
<b>Location Accuracy:</b>	Within 500M		
<b>Comments:</b>	Trench No. 1, located about 6 kilometres northwest of Lightning Peak (Assessment Report 16216).		

### Mineral Occurrence

<b>Commodities:</b>	Gold, Silver		
<b>Minerals</b>	<b>Significant:</b>	Pyrite	
	<b>Associated:</b>	Quartz	
	<b>Alteration:</b>	Kaolinite	
	<b>Alteration Type:</b>	Argillic	
<b>Deposit</b>	<b>Character:</b>	Shear, Vein	
	<b>Classification:</b>	Hydrothermal, Epigenetic	
	<b>Type:</b>	H05: Epithermal Au-Ag: low sulphidation	
	<b>Dimension:</b>	950x0x0 metres	<b>Strike/Dip:</b> 000/
	<b>Comments:</b>	The shear zone trends 350 degrees and has been traced for 950 metres along strike.	

### Host Rock

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

### Geological Setting

<b>Tectonic Belt:</b>	Omineca	<b>Physiographic Area:</b>	Okanagan Highland
<b>Terrane:</b>	Plutonic Rocks		

### Inventory

<b>Ore Zone:</b>	SAMPLE	<b>Year:</b>	1987
<b>Category:</b>	Assay/analysis	<b>Report On:</b>	N
		<b>NI 43-101:</b>	N

**Sample Type:** Chip

Commodity	Grade
Silver	43.5000 grams per tonne
Gold	16.3000 grams per tonne

**Comments:** Chip sample (number T1-10.7) of a 5-centimetre wide quartz vein in trench no. 1.

**Reference:** Assessment Report 16216.

### **Capsule Geology**

The AZZA 1 showing is located in the upper watershed of Rendell Creek, approximately 350 metres south of the informally named Azza Lake and 6 kilometres northwest of Lightning Peak.

The showing is hosted by granodiorite of an unnamed Middle Jurassic intrusion. The AZZA 1 showing consists of a shear zone which trends 350 degrees and has been traced for about 950 metres along strike. Quartz veins exposed in 3 trenches along this shear zone contain pyrite, and anomalous gold and silver assays. Argillic alteration of the host granodiorite is pervasive and locally intense. The shear-alteration zone forms a linear depression up to 25 metres wide.

The Lightning Peak area has been an active exploration camp since the late 1890s, with most of the exploration focused on vein-hosted silver-lead-zinc deposits. The DICTATOR (082ENE023) and the MORNING (082ENE022) showings are approximately 1 kilometre to the north-northwest and northwest respectively. The WATERLOO (082ENE017) mine is located approximately 3 kilometres to the south. During the 1930s, Dictator Gold Mines Ltd. 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. The AZZA 1 shear zone is believed to have been covered by the DIRECTOR claim group during this time; however, it is not recorded whether the gold-silver mineralization had been discovered.

In 1983-84, L.A. Bayrock carried out two small geochemical surveys over the KEN claim. This included the southern extension of the MORNING shear zone, to the west of the AZZA 1 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 identified from aerial photographs. Anomalous gold and silver assays were obtained from quartz veins exposed in several trenches. Trench No. 1, the AZZA 1 showing, exposes a 6-metre wide zone of intense argillic alteration; kaolinite being the only identifiable mineral. The contact with the host granodiorite is gradual. Alteration decreases in intensity to the east and west, forming marginal alteration zones 13.6 metres and 8 metres wide, respectively. These alteration zones contain pyritic quartz veins up to 10 centimetres wide. Anomalous gold assays came from samples taken across the entire 13.6 metre width of the eastern margin, including 0.37 gram per tonne gold over 3 metres (Assessment Report 16216). A sample (number T1-10.7) of a 5-centimetre wide quartz vein with pyrite, assayed 16.3 grams per tonne gold, 43.5 grams per tonne silver and low base metal values (Assessment Report 16216). Trench numbers 3 and 5, located 275 and 475 metres to the north respectively, also expose argillic alteration zones with quartz veins, and both returned anomalous silver assays. Trench No. 3 and No. 5 are included in the AZZA 1 showing. 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 1 showing. Only the geological mapping was filed as assessment work.

### **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 dated 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  
EMPR PFD 837, 853, 886, 672512, 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