

MINFILE Number: 082N 016 National Mineral Inventory Number: 082N4 Pb4 Name(s): ALLCO IRON CAP, LIMESTONE DIKE, ALLCO SILVER, LIMESTONE DIKE NO.3 (L.14357) Revelstoke Status: Past Producer Mining Division: Revelstoke Mining Method Underground Electoral District: Columbia River-Revelstoke Regions: British Columbia Resource District: Columbia River-Revelstoke Regions: British Columbia Resource District: Columbia River-Revelstoke Regions: British Columbia Underground Iteletoral District: Columbia River-Revelstoke Regions: British Columbia Mining Deteine: Iteletoral District: Columbia River-Revelstoke British Columbia Underground Underground Resource District: Columbia River-Revelstoke British Columbia Underground Underground Iteletoral District: Columbia River-Revelstoke Statistic Statistic Statistic Statistic Statistic Statistic Regions: Statistic Statistic Statistic Statistic Statistic NTS Map: Statistic Statistic	Location/Identification						
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	Deposit	Classification:	Replacement, Epigenetic, Sedi	mentary			
Type: I05: Polymetallic veins Ag-Pb-Zn+/-Au, J01: Polymetallic manto Ag-Pb-Zn		Туре:	I05: Polymetallic veins Ag-Pb	-Zn+/-Au, J01: Polymetallic m	nanto Ag-Pb-Zn		
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Host Rock							

Dominant Host Rock:	Sedimentary			
Stratigraphic Age Lower Cambrian	Group Undefined Group	Formation Badshot	Igneous/Metamorphic/Other	
Paleozoic	Lardeau	Undefined Formation		
Isotopic Age	Dating M	ethod	Material Dated	
Lithology: Limeston	Siliceous Limestone Ortho O	uartzita Argillita Argillaceous	Limestone Silty Limestone Limestone	

Lithology: Limestone, Siliceous Limestone, Ortho Quartzite, Argillite, Argillaceous Limestone, Silty Limestone, Limestone Conglomerate, Graphitic Argillite, Phyllite

Geological Setting					
Tectonic Belt:	Omineca	Physiographic Area:	Selkirk Mountains		
Terrane:	Kootenay				
Inventory					
Ore Zone:	SAMPLE		Year: 1986		

Category:	Assay/analysis		Report On: N	
			NI 43-101: N	
Sample Type:	Chip			
	Commodity	Grade		
	Silver	1216.0000 grams per tonne		
	Lead	15.0000 per cent		
	Zinc	4.8000 per cent		
Comments:	Average assays of high-grade sam	oles.		
Reference:	Assessment Report 15559.			
		Summary Production		
		Metric	Imperial	
	Mined:	193 tonnes	212 tons	
	Milled:	193 tonnes	212 tons	
Recovery	Silver	351,028 grams	11,286 ounces	
	Gold	343 grams	11 ounces	
	Lead	65,695 kilograms	144,833 pounds	
	Zinc	13,209 kilograms	29,121 pounds	
		Capsule Geology		

The Allco property is located at the headwaters of Woolsey (Silver) Creek, 13.5 kilometres northwest of Albert Canyon Station of the Canadian Pacific Railway, 34 kilometres north-northeast of Revelstoke. The Allco property was formerly known as the Iron Cap, Limestone Dyke, and Allco Silver.

Major exploration and development work was carried out between 1934 and 1937 by Allco Silver Mines Limited during which some ore shipments were made. The development work included 282 metres of drifts and crosscuts in 4 adits, a 20-metre shaft and a 15-metre winze. No further significant exploration work was recorded on the property until 1986 by which time Gunsteel Resources Incorporated had acquired the property. In 2008-2010, Rich River Exploration Ltd. performed a series of geochemical and geological surveys of showing as apart of their Allco-Redtop-Slide Project.

The occurrence area is underlain by strata of the Lower Cambrian Badshot Formation and Lower Cambrian and younger Lardeau Group. Five stratigraphic units have been identified and consist of: 1) massive grey limestone; 2) a 9-metre marker unit consisting of buff, siliceous limestone at the base grading upward into black orthoquartzite; 3) dark grey, thinly bedded argillite and argillaceous limestone (this unit is about 30 metres thick); 4) distinct buff, silty limestone and limestone conglomerate (maximum thickness of 60 metres); and 5) black, slaty, graphitic argillite and phyllite of considerable unknown thickness.

Units 1 through 4 are equated with the Badshot Formation and unit 5 with the Lardeau Group. The four units of the Badshot Formation have an average strike of 282 degrees and 44 degrees north dip in the central part of the area, changing to 314 degrees strike and 60 degrees north dip in the northwest part. A major northwest trending fault separates the underlying Badshot Formation from the Lardeau Group.

Locally, at least 13 showings of galena, sphalerite, chalcopyrite, tetrahedrite and pyrite occur within limestone in an area of approximately 2000 by 150 metres, trending northwest. Four distinct modes of mineralization have been found either in the buff limestone unit or along the contact between the buff and grey units and comprise: 1) stratiform, banded massive galena-sphalerite- chalcopyrite lenses found along the contact of buff and grey limestone units (adit 4); 2) replacement, massive galena-sphalerite or sphalerite-pyrite-arsenopyrite veins and pods in joint sand joint intersections (in and around adits 1, 2 and 3); 3) stockwork, massive galena-sphalerite accompanying quartz-carbonate veins in brecciated limestone (in trenches 100 metres west of adit 3); and 4) locally occurring galena, sphalerite and pyrite in a 1-2 metre wide quartz vein found intermittently along a major fault.

Small percentages of tin associated with galena were reported from underground workings and is probably due to the presence of stannite.

Average assays of high grade chip samples were 15 per cent lead, 4.8 per cent zinc and 1216 grams per tonne silver (Assessment Report 15559).

In 2010, a grab sample of dump material returned 1.88 grams per tonne gold, 2809 grams per tonne silver, 42 per cent lead and 4.88 per cent zinc (Assessment Report 32051).

Bibliography

EMPR AR 1919-N141; 1927-C290; 1930-A260; 1931-A149-A151; 1933-A212; *1935-E19-E21; 1937-A40,E56 EMPR ASS RPT 12041, 13288, 14403, *15559, *16907, 30804, 32051 EMPR BC METAL MM00589 EMPR PF (82N General File - Canadian Superior Exploration geochemistry maps, 82N/4E,4W, 1976) EMR MP CORPFILE (Allco Silver Mines, Limited) GSC MAP 4-1961; 43-1962 GSC OF 481 GSC P 62-32 GSC SUM RPT 1928 Part A, p. 165 CANMET IR 771, p. 222 (1935) EMPR PFD 752295, 752296, 752297, 752298, 752299, 822926, 600370, 860903, 860906, 860907, 860908, 860909, 674527 1985/07/24 **Date Coded:** Coded By: BC Geological Survey (BCGS) Field Check: Ν 2012/03/27 Karl A. Flower (KAF) **Date Revised:** Ν **Revised By:** Field Check: