

Copy given to me by Dick Fowler

520061
Denny
8ZK/14

March 28, 1971

Dick,

This body of ore we tried to get to a few years ago in the Ferguson area of the Lardeau Country, is a Pb. Zn. Cu. replacement in a limb of the Badshot Line Dyde at an elevation of 7,500 ft. and is partly covered by overburden.

It's contact on one side is with carbonaceous sediment and the other side, as I recall, is with schist.

The length of the mineralized zone is between 3 - 5 miles. At that altitude it is rather difficult to be sure as the topography is not flat by any stretch of the imagination.

There's not much water or vegetation and what there is, is spotty at that elevation.

When I located the galena in 1947, it was by panning in Galena Creek near Circle City. In my opinion, the pannings would yeild almost $\frac{1}{2}$ a cup. In order to locate origin, we worked the Creek as far as possible then returned and used old trails finally arriving at the origin then continuing along the strike until we determined elevation, length, breadth, etc.

The best advice I'm able to give you and/or your group of interested people is, do not try and go in on foot either from Ferguson, B. C. or from Boyd Creek end. Access from Ferguson is made difficult because the bridges are washed out and so with a lot of the old trail. Anyone who enters from this end by foot would have to be very familiar with the area, and to try from Boyd Creek would be the same and would encounter an overgrown trail that was hardly visible in 1947 and would be more so now. As I never tried going in from Sunshine Lardeau or Lardo mill site, I cannot remark, only to say that looking down from the height of land towards Sunshine Lardo you can see or could see the old trail up ^{Pool. CR} Lexington Creek which would bring you up to this property but the last couple of miles would be very, very steep. You would encounter elevation changes from 1,800 ft. to 7,500 ft. in about three miles of trail to go about a mile in distance. ~~That~~ whole part of B. C. is, as you will recall, subject to sudden steep grades.

This may or may not be the reason for lack of interest by companies to invest in mines here about but there are many good showings of ore. These are the Surprise (Dave Morgan's property on Surprise Creek), the Jenny Lind over the ridge from Sunshine Lardo, (Old Gold) near the head of Marsh Adams Creek, the Metropolitan, the Big Five, the Big Showing which lies on the right side of Boyd Creek upstream. In my opinion, the whole of this portion should be done over again as glaciers are melting away exposing more and more especially the area of this particular ore body where it crosses the height of land between the head of Marsh Adams and Surprise Creeks. The mineralized zone here is 250 ft. wide and assays at 3.5% combined Pb. Zn. Cu. as assayed by Cominco. The same zone at the Metropolitan is 40 ft. wide and assays at 7% Pb. Zn. Cu. this is about half way point and at the height of land at head of Boyd, Lexington, Ferguson and Pool Creeks and on near Big Five, it assays 15.7% Pb., Zn., Cu. and width of the zone here is 98 - 100 ft. wide.

I'm very sorry I cannot refer you to a government report which can definitely back up what I'm saying but reports have been made by a Mr. Cairns, ~~Cairns~~ or ~~Cairns~~ ^{see references} in the years around 1922 - 29 and perhaps 1930. I had to read these and did because of my work in the Lardeau which covered from 1947 - 1953, the area from Boyd Creek to Gainer Creek, Westfall River, upper Duncan River, Hawser or Duncan Lake, Ferguson Creek, Silver Cup Mountain, Trout Lake (Wilson Creek out of Roseberry on Slocan Lake); it's an awful large area and as you know a real tough one. To turn time back a few years and go over it again, to see its beauty would be and is a cherished ambition but I strongly recommend your group going into the property we are speaking of - at the head of Ferguson Creek and Boyd, Marsh Adams Creek area. Go in by chopper and take off from the Beaton townsite up Fish River, Boyd Creek along the strike to Marsh Adams. It can be done faster that way as its the shortest way too. One day would do.

I would be most happy to talk with your people and assist in any way possible. There is a lot of mineral there and to know it and see it, when someone could be working it and making a profit, sort of gripes me. As I cannot see into the ground anymore than the next person, my guess is as good as his but, and I am able to prove it, the structure or lay in three places is vertical so with the amount of surface ore visible over so long a distance in a vertical

structure is not an indication of a good producer, I don't know my work and I'm sure I do. There are valid reasons for not working this ore body but they are not because of lack of ore.

Power Supply

Power can be generated in Ferguson Creek near where Goat Creek enters at a narrow canyon, a dam would do it.

Camp Site & Concentrator Site

An excellent concentrator site exists at Circle City where there is an abundance of timber and an excellent supply of good water, plus adequate area for tailing dump.

Access Road

A good road could be constructed from Ferguson to Circle City, a distance of 7-9 miles at a grade of 1%+ but not exceeding 3% with only two rock outcrops to cut through and both small ones in schist.

Climate

The whole of the area Lardeau is subject to bad rains of a flash type but does have long periods of very hot weather. You could say moderate. The winters are long with lots of snow. Roads can be closed from Ferguson to Circle City by two large snow slides, one above Goat Creek and one at Copper Creek $\frac{3}{4}$ of a mile apart.

Shipping

Shipping would have to be done by truck either from Circle City, Ferguson-Nakusp trail or Circle City, Ferguson, Kaslo, Nelson, Trail but could in the latter case be Circle City, Ferguson, Lardo then load on barge at Lardo C.P.R. to Trail.

Hospitals

Medical treatment for major cases is a problem. The shortest or nearest exists at Kaslo as would most of the supplies other than Nelson.

No. 4

Communications - Emergency

Radio phone - Chopper.

Banks & Hotels/Motels

Kaslo, Nakusp.

Existing Roads

Ferguson. Galena Bay

Existing Power - Electric

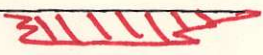
Duncan Dam.

Respectfully,



R. W. Cook

TABLE 3: Table of Formations

Eon	Era	Period	Group	Formation	Lithology
PHANEROZOIC	PALEOZOIC	DEVONIAN Middle Devonian	Lardeau	Broadview	-gray and green phyllitic grit -phyllite
				Sharon	-dark gray to black siliceous phyllite
				Ajax	-massive gray quartzite
				Index	-phyllite -arenaceous limestone -minor gray phyllite -gray and light green phyllite -limestone and quartz grit -minor phyllitic limestone
----- CONFORMABLE CONTACT ----- 					
PRECAMBRIAN	PROTEROZOIC	CAMBRIAN Lower Cambrian		Badshot (Lade Peak)	-gray and white limestone
				HAYDRYNIAN	Hamill
					Marsh-Adams

(after Read, 1976)

TABLE 8: SUMMARY KOOTENAY ARC DEPOSITS

Name	Status	Past Production* (Reserves)	Type	Host
Bluebell	past producer	4.82; 5.2% Pb, 6.3% Zn 1.39 oz/ton Ag	vein, replacement	Badshot Formation
Duncan	prospect	2.76; 3.3% Pb, 3.1% Zn	stratiform	Badshot Formation
H.B.	past producer	6.45; 0.77% Pb, 4.1% Zn 0.15 oz/ton Ag	well banded, layer parallel lenses	Reeves Formation
Jersey	past producer	7.68; 1.65% Pb, 3.49% Zn 0.10 oz/ton Ag	well banded, layer parallel lenses	Reeves Formation
Reeves- MacDonald	past producer	5.8; 0.98% Pb, 3.42% Zn 0.10 oz/ton Ag	well banded, layer parallel lenses	Reeves Formation
Wigwam	prospect		strata bound lenses	Badshot Formation
Mastodon	past producer	0.029; 0.28% Pb, 9.25% 0.20 oz /ton Ag Zn	lenses, disseminated	Limestone

* (in millions of tonnes)
(after Hoy, 1982)

TABLE 9: Mineralization Comparison - Denny Claims / Salmo Area

Type	DENNY CLAIMS		SALMO AREA
	Ellsmere	Horne	
Host	Lade Peak Formation (limestone)	Lade Peak Formation (limestone, locally dolomite)	Reeves Member (dolomite, locally limestone)
Mineralization	galena, sphalerite, pyrite -fine grained -some banding -not skarnified -no oxidation -high lead to zinc ?	galena sphalerite, pyrite, pyrrhotite -fine to medium grained -crude banding, segrega- tions -locally skarnified -deeply oxidized -high lead to zinc ?	galena, sphalerite, pyrite, pyrrhotite -fine to medium grained -segregations, crude banding -locally skarnified -deeply oxidized -high zinc to lead -replacement
Deposition	-located at vertically dipping contact	-located at crest of anticline	-emplacement controlled by localized folding
Geometry	-continuous minerali- zation along strike, some small podiform bodies, undetermined widths	-continuous oxidized zone along strike, undeter- mined widths	-continuous mineralization along strike -irregular in outline

Property Claim Summary.

Mineralized Zones

Horn Ledge

- includes:
- Canadian Girl
 - Celtic
 - Morgan

Black Warrior

- includes:
- Copper Glance
 - Victoria
 - Gladstone
 - White Star
 - * Black Warrior c.g. 10646
 - Snowstorm
 - Cresswell (exp.c.g.)
 - Frisco (exp.c.g.)
 - Eva May
 - Mountain Lion
 - Black Scot + Black Scot No. 2
 - Viola
 - Key stone
 - Crack Shot
 - Crack Shot No. 2

* Does not include Black Warrior Lot 11335 (separate c.g. out side of claims).

Elsmere

- includes Elsmere, Violet + Violet fr., Roy, Highland Chief, Antares
Charles, St. Louis

Silver Leaf.

includes

Edna No. 2

Edna

Grace (cancelled)

Silver leaf c.g. (cancelled)

Grace C " "

Silvery Moon + fr. " "

Dora " "

Maggie M. + fr. " "

Silver King + part of Silver King fr.

Independence

Peterson.

TABLE 5: Assay Results - Home Ledge

Sample No	Sample location / description	Assay Results				
		Pb(%)	Zn(%)	Ag(oz/ton)	Au(oz/ton)	Cu(%)
MA 0920-2	-grab sample, oxidized material, ridge below Canadian Girl	0.18	0.22	0.17	0.019	-
H 0920-6	-grab sample, open cut, oxidized zone, Dave Morgan Creek, 5+70W 0+73S	0.02	0.87	0.20	0.017	0.35
H 0920-7	-grab sample, open cut, oxidized zone, Dave Morgan Creek, 6+05W 0+34S	0.40	0.15	0.09	0.003	-
H 0921-1	-grab sample, open cut, visible Pb mineralization, slightly oxidized Morgan claim, 1240W 0+75S	10.8	0.05	<u>2.26</u>	0.002	-
H 0921-4	-grab sample, open cut, oxidized zone, Morgan claim, 1403W 0+00	1.12	0.07	0.17	0.001	-
H 0921-6	-grab sample, open cut, visible galena sphalerite, trace chalcopyrite mineralization, Centre Star, 2193W 50+00S	10.4	8.86	<u>5.02</u>	0.007	-
<u>Selco Samples</u>						
18759	Centre Star section	80.5	0.49	<u>57.88</u>	0.008	-
18760	Dave Morgan Creek, oxidized zone	1.80	0.01	0.58	0.003	-
18766	chip sample, Canadian Girl, approx. 16 m wide at schist limestone contact, oxidized zone	0.10	0.09	0.04	0.006	-
18767	grab sample, Dave Morgan Creek, oxidized zone, 2 m wide	32.30	0.02	<u>3.56</u>	0.003	-
18768	chip sample, 3 m zone, oxidized material, Morgan Claim	2.87	1.59	1.68	0.003	-

$$\frac{\text{Ag}}{\text{Pb}} \sim \frac{1}{1} \rightarrow \frac{1}{10}$$