

2392

82F/11W
GEOPHYSICAL, GEOCHEMICAL & PHYSICAL
REPORT for 1969
Dry Ridge Group
Dry Ridge Silver Mines Ltd.
2503 - 1177 W. Hastings St.
Vancouver 1, B.C.

GEOPHYSICAL AND GEOCHEMICAL REPORT
ON THE
DRY RIDGE NOS. 1 & 2 & SILVER TIP NO. 2 CLAIMS
15 MILES NORTH OF NELSON, 49° 117° N.E.

Author: M. K. Lorimer, P.Eng.
Owner: Dry Ridge Silver Mines Ltd.
Dates: July 28 - September 15, 1969

L. J. Manning & Associates Limited
610 - 890 West Pender Street
Vancouver 1, B. C.

May 13, 1970

L. J. MANNING & ASSOCIATES LTD.

CONSULTING MINING ENGINEERS

610-890 WEST PENDER STREET

VANCOUVER 1, B.C.

OFFICE PHONE:
683-5861

RESIDENTIAL PHONE:
L. J. MANNING - 985-5690

SUMMARY

Geophysical and geochemical surveys of a portion of the Dry Ridge Group were made in July and August, 1969.

The group lies in a mountainous area about 15 miles north of Nelson and at an average elevation of over 5,000 feet.

The underlying rocks are porphyritic granites of the Nelson plutonics. The main showing consists of a quartz- and gouge-filled shear carrying gold and metallic sulphides. The metal of economic interest is silver.

An electromagnetic survey carried out in the vicinity of the showings indicated a long conductor, not necessarily metallic, extending 2,500 feet along the axis of the known vein. A geochemical survey over the same area was inconclusive, suggesting that this method is an unreliable indicator of underground values.

The two surveys were carried out in two periods between 28 July and 31 August, 1969. The total direct cost was \$2,825.83.



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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2392** MAP

REPORT
ON
GEOPHYSICAL AND GEOCHEMICAL SURVEYS
OF A PORTION OF
THE DRY RIDGE GROUP
SLOCAN MINING DIVISION

OBJECT:

This report is submitted for the purpose of recording the results of geophysical and geochemical surveys carried out on a portion of the Dry Ridge Group in the Slocan Mining Division and for the purpose of presenting the conclusions drawn from these results.

LOCATION:

The Dry Ridge claims cover a ridge on the southwestern flank of Mt. Ruppel in the Slocan Mining Division and extend into the valleys of Tagart and Mineral Creeks on either side of the ridge and into the valley of Crusader Creek to the southwest. Map 1.

Since the elevations range from about 4,000 feet to over 7,000 feet, much of the area is above timberline. Access is most conveniently made by helicopter as the nearest roads are about one and one half miles away and 2,000 feet lower than the main showings.

The geographic location of the showings is $49^{\circ}45'N$, $117^{\circ}17'W$. The area is covered by the Kokanee Peak Sheet, 82-F-11W, of the National Topographic System.

TITLE:

The property consists of the claims tabulated below. The pertinent information was obtained from the Vancouver Mining Recorder's Office on 1 May, 1970.

<u>Claims</u>	<u>Record Numbers</u>	<u>Expiry Date</u>	<u>Title</u>
Dry Ridge #1	11706	12 July/73	N. L. Block
Dry Ridge #2	12249	13 Sept./70	N. L. Block
Dry Ridge #3-4	12890-91	21 May/70	W. F. Nottelman
Wolfe #1-9	12869-77	20 May/70	W. F. Nottelman
Wolfe #10-13	12878-81	20 May/70	R. Hutchings
Wolfe #14-15	12882-83	20 May/70	W. F. Nottelman
Basin #1-4	12884-87	20 May/70	W. F. Nottelman
Basin #5-6	12888-89	20 May/70	R. Hutchings
W.K. #1-6	13657-62	21 Aug./70	W. F. Nottelman
W. K. #7-11	13706-10	8 Sept./70	W. F. Nottelman
Silver Tip #1	13711	8 Sept./70	W. F. Nottelman
Silver Tip #2	13634	18 Aug./70	N. L. Block

These claims are all in the process of being transferred to Dry Ridge Silver Mines Ltd.

TOPOGRAPHY:

The topography is mountainous, varying from gentle grass- and shrub-covered slopes to precipitous rock faces with talus slopes below. The main showings occupy a southwesterly trending ridge which drops steeply down into Tagart Creek on the north and more gently down into Mineral Creek on the south. Mt. Ruppel, over 7,700 feet in elevation, lies in the eastern part of the property. A large cirque bites deeply into the north flank of the mountain.

There is no useful timber on the property with the exception of that on the extreme southern end. Water is not plentiful on the ridge but it could be obtained by pumping from the creeks to the north, west, or south.

CLIMATE:

The climate is typical of mountainous areas. The winter snowfall is heavy and minor snowfalls can be expected even in summer. Most of the summers, however, are hot and dry. The exploration season can be considered to last from mid-June to October.

HISTORY:

Although this is an old property there are very few references to it in official reports. The main showings were formerly on claims known as the Alexandra No. 2, Lot 2886, and the Delley, Lot 2887. Applications for Crown Grants were made in 1898. Most of the work appears to have been done in the period 1895-99 although a small shipment is reported to have been made in 1941.

GEOLOGY:

The claims are underlain by porphyritic granites of the Nelson plutonic rocks, a large body of intrusives which extends for several miles in all directions.

In the vicinity of the showings the granites are cut by several lamprophyre dykes having a northerly strike and by a number of quartz veins, generally with a northeasterly strike. One of these quartz veins, thicker than the others, is the vein on which the development work was done.

The main vein ranges up to 24 inches in thickness and has an average dip of about 65 degrees to the southeast. The vein consists of quartz and sulphides in a gougey shear in the granites. At the main surface exposure the hanging wall granites have been altered and/or weathered to soft green and brown phases for a distance of 8 feet. Underground where silver values are appreciable, the gouge appears to run at about one half the value of the quartz vein.

DEVELOPMENT:

Existing development work consists of a drift, a cross-cut, a raise and several pits and trenches.

The drift, which begins as a cross-cut, is 480 feet long and follows the main vein. A raise driven from this drift was apparently intended to break into a surface pit showing high-grade mineralization but was stopped 100 feet short of a breakthrough.

The cross-cut was driven into the hillside about 1,100 feet southwest of the drift portal. It intersected two veins having strikes roughly comparable to the vein in the drift.

The largest pit lies about 250 feet northeast of the drift portal. It is about 50 feet long and has been used as a source of ore by previous and present owners.

Several other pits and trenches were apparently excavated for prospecting purposes. Most of them are sloughed.

1969 PROGRAMME:

In addition to prospecting, mapping and sampling, electromagnetic and geochemical surveys were carried out in an attempt to trace the mineralized structure beyond its known extremities and to locate shoots or strongly mineralized zones within the extended structure.

The work was carried out on the Dry Ridge Nos. 1 and 2, and the Silver Tip Nos. 1 and 2 claims, in two periods, the first being 28-30 July, 1969 and the second, 29 August-1 September, 1969. Both periods were followed by several days of interpretive work on the field data.

ELECTROMAGNETIC SURVEY:

A geophysical grid was established by laying out a base-line on a bearing of N.50°E and cross-lines at 50-foot intervals and normal to the base-line. Maps 2 and 3. Initially this grid ran 1,300 feet. During the second survey period it was extended from 1,300 to 1,900 feet easterly and from 0 to 600 feet southwesterly. The lengths of the cross-lines were dependent on the locations of the cross-over points as determined by the E. M. instrument.

The instrument used was a Ronka E. M. 16. Readings were taken every 25 feet along the cross-lines until cross-over points had been located. Quadrature and tilt readings from the instrument were recorded and the slope of the ground was noted. These data were subsequently plotted on cross-sections and true cross-over points determined. The locations of these points are shown on Maps 2 and 3.

The field work over lines 0 to 1,300 E. was done in the period 28-30 July, 1969, by D. Deering whose certificate of qualifications is attached, assisted by W. A. Kondra and A. Salera. The work over lines 1,350 to 1,900E and lines 50 to 600W was done in the period 29-30 August, 1969 by the writer, also assisted by Kondra and Salera.

GEOCHEMICAL SURVEY:

Soil sampling was carried out over most of the area covered by the electromagnetic survey. Samples were taken at 25-foot intervals on lines 100 feet apart. Two samples were taken up-hill (to the north) from the cross-over points, one at the cross-over and six below it.

Samples were taken from the oxidized horizon with a spoon from holes dug with a pick. Since the overburden was thin with virtually no humus, most of the samples were from shallow holes often on bedrock. Some areas, particularly at the eastern end, could not be sampled because of talus or outcrops.

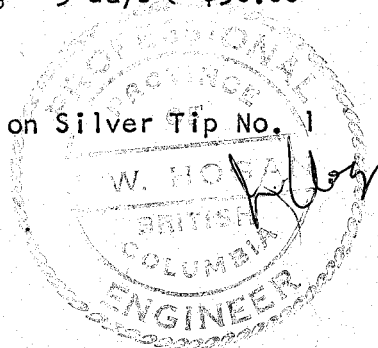
The sampling was done by the writer assisted by W. Kondra and A. Salera on 30 August, and by Kondra and Salera on 31 August.

The samples were analyzed by Crest Laboratories (B.C.) Ltd. of Vancouver. The analyst was chemist Edwin Andrews supervised by A. Burgoyne, geochemist. The bagged samples were dried at 150°F for 10 hours and then sieved to -80 mesh through stainless steel screens. One-gram portions of these screened soils were placed in 25 x 200 m.m. culture tubes and then digested in a mixture of perchloric and nitric acids at 425°F for a period of three hours. The resulting digested residues were then made up to 50 millilitres volume in 10 per cent perchloric acid. The respective sample solutions were aspirated into a Tecktron Atomic Absorption Spectro-photometer Model 5 and absorption readings were recorded, first for lead and then for silver on all samples. The absorption results were then converted to parts per million. Calibration of the spectrophotometer was effected by preparation and analysis of lead and silver standards each day.

PERSONNEL AND COSTS:

The personnel employed and the costs incurred are summarized below. A more detailed breakdown and distribution of costs is given in the Appendix to this report.

July 28-30	Labour: D. Deering 30 hrs. @ \$5.60	\$ 168.00
	W. Kondra 38 hrs. @ \$6.25	237.50
	A. Salera 36 hrs. @ \$6.25	225.00
July 28-31	Instrument rental (Geo-X Surveys Ltd.)	40.00
	Field supplies, spray paint, etc.	8.28
July 30	Helicopter (party out to Nelson)	80.00
July 28-30	Camp Costs	100.88
August 1, 2, 5 & 6	E. M. interpretation. D. Deering 3½ days	167.60
August 29-30	Labour: M. K. Lorimer 2 days @ \$150.00	300.00
	W. Kondra 22 hrs. @ \$6.25	137.50
	A. Salera 22 hrs. @ \$6.25	137.50
August 31	Labour: W. Kondra 12 hrs. @ \$6.25	75.00
	A. Salera 12 hrs. @ \$6.25	75.00
August 28 - Sept. 1	Instrument rental (Geo-X Surveys Ltd.)	50.00
August 28	Helicopter - party in	80.00
August 30	Helicopter - Lorimer out	80.00
September 1	Helicopter - Kondra & Salera out	80.00
August 28 - Sept. 1	Camp Costs	87.30
Sept. 5	Geochemical analysis (Crest Laboratories)	409.70
Sept. 1-15	Interpretation and plotting:	
	M. Lorimer - 38 hrs. @ \$12.50	475.00
	S. Manning - 5 days @ \$50.00	250.00
	<hr/>	
	Total	3,264.26
	Less work done on Silver Tip No. 1	<hr/> 438.43
	Net Total	\$ 2,825.83



This sum is distributed according to the type of survey and the claims as follows:

<u>Claim</u>	<u>E.M. Survey</u>	<u>Geochemical Survey</u>	<u>TOTAL</u>
Dry Ridge #1	\$ 889.37	\$ 388.63	\$1,278.00
Dry Ridge #2	889.37	380.36	1,269.73
Silver Tip #2	<u>133.39</u>	<u>144.71</u>	<u>278.10</u>
Totals	\$1,912.13	\$ 913.70	\$2,825.83

RESULTS:

(a) E. M.

Cross-over points were obtained on all cross-lines. They are plotted on Maps 2 and 3.

Coincidence with the known mineralized vein in the vicinity of the drift was good. Several irregularities in the alignment of the cross-overs occurred where lamprophyre dykes cut the formation, suggesting fault displacement.

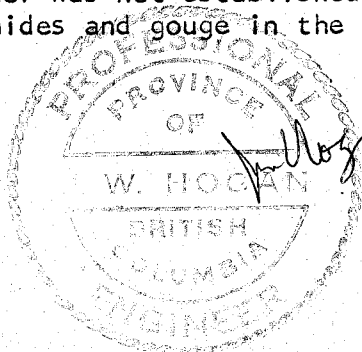
(b) Geochemical

The results of the geochemical survey are plotted on the accompanying maps, the silver results on Map 2 and the lead results on Map 3.

The highest values were obtained in the areas of the open pit and adit dump, and mostly on the downhill side. This fact would suggest that the readings were due to surface contamination from these old workings. The one exception was on line 6 + 00 West, at the extreme end of the sampled area, where two readings considerably above background were obtained.

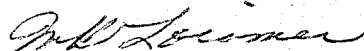
CONCLUSIONS:

The electromagnetic survey indicates the presence of a long conductor which coincides in one area with the known vein. The composition of the conductor was not established but it is known to comprise metallic sulphides and gouge in the area of the old workings.



The geochemical results indicate that soil sampling is not a reliable method of locating underground values since, apart from obvious contamination, the values in the vicinity of the known vein vary little from background.

L. J. MANNING & ASSOCIATES LTD.



M. K. Lorimer, P.Eng.

MKL:mjb

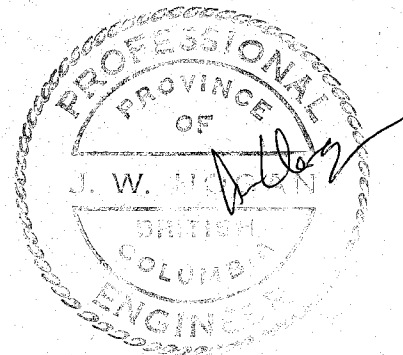
APPENDIX

COST DISTRIBUTION:

<u>Date</u>	<u>Item</u>	<u>Total</u>	<u>Geophys.</u>	<u>Geochem.</u>
July 28-30	Labour: Deering	\$ 168.00	\$ 168.00	\$ --
	Kondra	237.50	237.50	--
	Salera	225.00	225.00	--
July 28-31	Instrument Rental	40.00	40.00	--
	Field supplies	8.28	8.28	--
July 30	Helicopter	80.00	80.00	--
July 28-30	Camp Costs	100.88	100.88	--
Aug. 1,2,5,6	E.M. Interpretation	167.60	167.60	--
Aug. 29-30	Labour: Lorimer	300.00	245.45	54.55
	Kondra	137.50	112.50	25.00
	Salera	137.50	112.50	25.00
Aug. 31	Labour: Kondra	75.00	--	75.00
	Salera	75.00	--	75.00
Aug. 28-				
Sept. 1	Instrument Rental	50.00	50.00	--
Aug. 28	Helicopter in	80.00	48.00	32.00
Aug. 30	Helicopter out (Lorimer)	80.00	65.45	14.55
Sept. 1	Helicopter out (Kondra & Salera)	80.00	51.43	28.57
Aug. 29-31	Camp Costs	87.30	52.38	34.92
Sept. 5	Geochemical analysis	409.70	--	409.70
	Interpretation and plotting			
	Lorimer	475.00	450.00	25.00
	Manning	250.00	52.90	197.10
		<u>\$3,264.26</u>	<u>\$2,267.87</u>	<u>\$ 996.39</u>

Distribution According to Claims:

Dry Ridge #1	\$1,278.00	\$ 889.37	\$ 388.63
Dry Ridge #2	1,269.73	889.37	380.36
Silver Tip #2	278.10	133.39	144.71
Silver Tip #1	438.43	355.74	82.69



CERTIFICATE OF QUALIFICATIONS

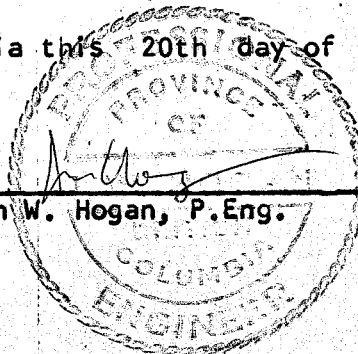
I, John W. Hogan, P.Eng., Geological, of 859 Prospect Avenue North Vancouver, B. C., certify as follows:

1. That I graduated from the University of British Columbia in 1953 with a Bachelor of Applied Science Degree in Geological Engineering.
2. That I have been a professional engineer since 1956.
3. That I have been engaged in the profession of Geological Engineering for 15 years.
4. That from 1954 to 1956, I was employed as a geologist at Pronto Uranium Mines and Rix Athabasca.
5. That from 1956-1960, I was Mine Geologist at Can-Met Explorations Ltd.
6. That from 1960-1966 I was a Project Geologist for Denison Mines Ltd. in Ireland and Maine, U. S. A.
7. That from 1966-1969 I was Western Representative for Denison Mines Ltd.
8. That I am presently an Associate in the firm of L. J. Manning & Associates Ltd., Vancouver, B. C.
9. That I have studied the report of M. K. Lorimer of this firm and concur with his conclusions and recommendations concerning the Dry Ridge Nos. 1 & 2 and Silver Tip No. 2 claims 15 miles north of Nelson, B. C.
10. That I do not hold any financial or any other interest in the properties or stock of Dry Ridge Silver Mines Ltd. (~~N.P.L.~~) or any of its affiliates, nor do I expect to do so in the future.

Dated at Vancouver, British Columbia this 20th day of May 1970



John W. Hogan, P.Eng.



CERTIFICATE OF QUALIFICATIONS

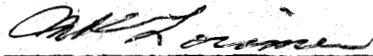
I, MALCOLM KEITH LORIMER, of the City of Vancouver, Province of British Columbia, Mining Engineer, hereby certify:

1. THAT I am a practicing Mining Engineer and reside at 3082 West 27th Avenue, Vancouver, B. C.
2. THAT I am a graduate in Mining Engineering of the University of British Columbia, Bachelor of Applied Science, 1950 and have been practicing my profession for over sixteen years.
3. THAT I am a member of the Association of Professional Engineers of the Province of British Columbia.
4. THAT I am a member of the Canadian Institute of Mining and Metallurgy.
5. THAT I am an associate of the firm of L. J. Manning & Associates Ltd., Consulting Mining Engineers, of 610 - 890 West Pender Street, Vancouver 1, B. C.
6. THAT the following is a true record of my employment and experience:

1950 - 52	General engineering, Consolidated Mining and Smelting Company of Canada Limited, Kimberley, B.C.
1952--56	Chief Engineer, Pioneer Gold Mines of B. C. Ltd., Pioneer Mines, B. C.
1956 - 57	Chief Engineer, Buchans Mining Co. Ltd. Buchans, Nfld.
1957 - 59	Chief Engineer and Mine Superintendent, Cowichan Copper Co. Ltd., Cowichan Lake, B. C.
1959 - 65	General Exploration work for various companies mostly in southern British Columbia.
1965 - Present	Associate, L. J. Manning & Associates Ltd., Vancouver.

7. THAT I have no direct or indirect interest in the properties or securities of Dry Ridge Silver Mines Ltd. or any of its affiliates nor do I expect to acquire any.

DATED at Vancouver, British Columbia, this 13th day of May, 1970


M. K. Lorimer, B.A.Sc., P.Eng.

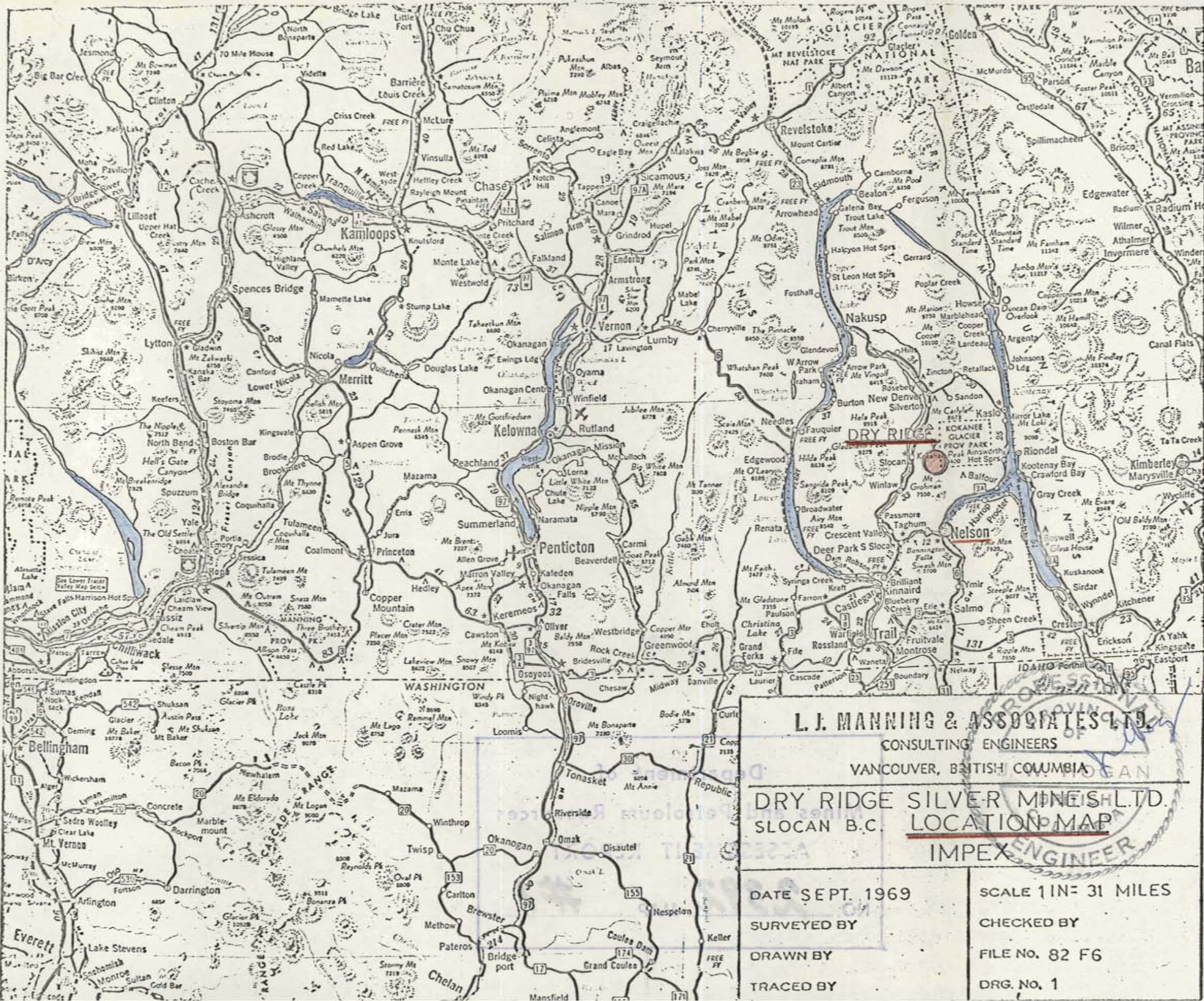
CERTIFICATE OF QUALIFICATIONS

I, David R. Deering, of the City of Vancouver, British Columbia,
hereby certify:

1. That I am a graduate Mining Technician of the British Columbia Institute of Technology, 1969 and I am currently enrolled in Mining Engineering at the Colorado School of Mines, Golden, Colorado.
2. That I am a member of The American Institute of Mining, Metallurgical and Petroleum Engineers.
3. During my first year at B.C.I.T. under the direction of Dr. A. B. Whittles (Physics and Geophysics Instructor) I helped conduct an Electromagnetic Survey (E.M. I6) for Roosevelt Mines Ltd. near Osoyoos, B. C.
4. I was employed by L. J. Manning & Associates Ltd. for the 1968 and 1969 summer seasons. During the summer of 1968, I conducted an E. M, I6 Survey in the Coppermine River area for Northair Mines Ltd, and during the 1969 season I managed an air-borne Magnetometer Survey for Midnight Mines Ltd. near Prineville, Oregon.
5. That I have no direct or indirect interest in the properties or securities of Dry Ridge Silver Mines Ltd.

DATED at Golden, Colorado, U.S.A., this 4th day of May, 1970.

David R. Deering
David R. Deering Dipl. T.



L. J. MANNING & ASSOCIATES LTD.

CONSULTING ENGINEERS

VANCOUVER, BRITISH COLUMBIA

DRY RIDGE SILVER MINE S.L. LTD.
SLOCAN B.C. LOCATION MAP

IMPEX ENGINEER

DATE SEPT. 1969

SCALE 1IN= 31 MILES

SURVEYED BY

CHECKED BY

DRAWN BY

FILE No. 82 F6

TRACED BY

DRG. No. 1

EXPLORATION & DEVELOPMENT REPORT

Dry Ridge Group

15 Miles North of Nelson B.C.

Owner - Dry Ridge Silver Mines Ltd.,

Dates - May 14, 1969 to Sept. 17, 1969.

Author - W. F. Nottelman, President.

*Dry Ridge Silver Mines Ltd.
2503 Board of Trade Tower,
1177 West Hastings Street
Vancouver 1, B.C.
Telephone 688-8384.*

May 16, 1970.

Summary;-

The exploration program of the Dry Ridge Group was made between May 14th., 1969 and September 17th. 1969.

The group lies in a mountainous area about fifteen miles north of Nelson B.C., at an elevation of between 4,000 and 7,000 feet.

As stated in the geophysical and geochemical report by L. J. Manning & Associates Ltd., of Vancouver B.C., the underlying rocks are porphyrotic granites of the Nelson plutonics. The metal of interest is silver.

A continuous exploration program was commenced on May 14th. 1969 and lasted until September 17th. 1969. Details of the exploration work performed by Dry Ridge Silver Mines Ltd., and L. J. Manning & Associates Ltd., is herein detailed.

For technical data of the Dry Ridge Group, geophysical & geochemical work, see the attached report of L. J. Manning & Associates Ltd. herein after attached, dated May 13th. 1970.

Because of the inaccessibility of the Dry Ridge Group, it was assessed to be more economical to establish a small camp on the property, retain personnel on site, than to bring in employees by helicopter each day.

The camp established consisted of two large tents on wooden foundations; one as a cook shack, dining facilities and field office. The second large tent as sleeping quarters for the crew. A third and smaller tent was used as the equipment storage facility.

Radio telephone communications were established with the B. C. Telephone company in Nelson B.C., as well as surrounding communities in case of emergency. Communications with Okanagan Helicopters was established through this facility to enable the ordering of food, equipment, supplies and transportation. A 5 K.v.a. diesel power plant was installed to power the communications equipment, the water pumping system, flood lighting and camp power.

Because of the terrain and the steep grade of the hillside; it was necessary to construct a helicopter landing platform adjacent to the campsite.

After considerable search, water, sufficient for human requirements and for diamond drilling was obtained by drilling into the hillside, installing a pumping system and piping to the camp.

Camp costs were established and charged only by actual goods and materials consumed. At the close of the season the camp was taken down, lifted to the logging road, and transported by truck for storage in Nelson. None of the trucking charges was calculated in the camp costs.

Exploration & Development Program.

(1) As per geophysical and geochemical report of L. J. Manning & Associates Ltd. Vancouver, dated May 14th. 1970. Copy herewith attached.

(2) Exploratory diamond drilling of 10 holes, for a total of 200 feet. Mineralized sections of core was assayed by J. R. Williams & Son Ltd., of Vancouver; with results as shown on their assay sheet of July 10, 1969 (Sheet #5), a copy herewith attached.

(3) Trenching of main lead, drilling, blasting and sampling. Assay reports by J. R. Williams & Son Ltd. of Vancouver, dated April 30th. 1969 (Sheet #4), a copy herewith attached. Also assay results as per Crest Laboratories Ltd. of Vancouver; Report #74 (2 pages), dated August 4th. 1969 (Sheets #6 & #7) attached.

Trenches resulted as follows;-

- (a) 50' x 20' x 10' = 10,000 cubic feet.
- (b) 30' x 10' x 6' = 1,800 cubic feet.
- (c) 30' x 10' x 6' = 1,800 cubic feet.
- (d) 10' x 10' x 5' = 500 cubic feet.

Total 14,100 cubic feet or 522 cubic yards.

A small portion of trench (a) had been dug out by previous owners, of which there appears to be no record. Approximately 25 tons of material was bagged for bulk sampling. This material is still on the site.

(4) Further exploration work, search for additional mineral bearing leads was carried out, and found. No specific sampling has been carried out on these leads.

(5) An existing tunnel was blasted open, inside of which was found an old hand operated drill manufactured in Denver Colorado before the turn of the century; an ore cart on tracks with several shovels; and a box with half a dozen packages of bulk blasting powder.

The tunnel had several feet of water in it which was pumped out. The total length of the cross drift and tunnel was 480 feet. A raise of over 100 feet, which, if continued for approximately another 100 feet, would have surfaced in the large pit (a).

The walls of the tunnel were sampled, but because the lead had been removed, showed only traces of silver. Samples taken on the lead (vein), at a stope - 2.0' wide, assayed a trace of gold and 17 oz. of silver, per ton. The face wall, or end of the tunnel, on the vein; samples of 6" showed 0.01 oz. of gold and 14.8 oz. of silver per ton. A second sample of 1.2' in width showed a trace of gold and 31.5 oz. of silver per ton. The face wall was not scaled prior to the taking of the samples, and had water running over the surface for a period which could be assumed to have been from the turn of the century to the present.

Title of the Dry Ridge Group.

The property consists of 40 claims in all. These claims have all been transferred from various owners, through Bills of Sale, to Dry Ridge Silver Mines Ltd., and have been grouped as the Dry Ridge Groupe. Their names and record numbers are as follows;-

<u>Claim Name.</u>	<u>Record Nos.</u>	<u>Nos. of Claims.</u>
Dry Ridge #1	11706	1
Dry Ridge #2	12249	1
Dry Ridge #3 & #4	12890 - 91	2
Wolfe #1 to #15	12869 - 83	15
Basin #1 to #6	12884 - 89	6
W. K. #1 to #6	13657 - 62	6
W. K. #7 to #11	13706 - 10	5
Silver Tip #1	13711	1
Silver Tip #2	13634	1
Dry Ridge #5	13813	1
Dry Ridge #6	13814	1
	Total	40

Exploration & Development Program Costs.

Camp costs per day	\$ 47.85 (average)	
Total number of days	127	
	\$ 6,076.95	\$ 6,076.95

Okanagan Helicopter's Flights;-

May 14	Nelson - Camp - Nelson	293.33	
20	Nelson - Camp - Nelson	186.67	
24	Nelson - Camp - Nelson	662.50	
July 8	Nelson - Camp - Nelson	100.00	
29 & 30	Nelson - Camp - Nelson	318.75	
Aug. 5	Nelson - Camp - Nelson	93.33	
11 to 16	Nelson - Camp - Nelson	480.00	
28	Nelson - Camp - Nelson	80.00	
30	Nelson - Camp - Nelson	80.00	
Sept. 2	Nelson - Camp - Nelson	80.00	
15 & 16	Nelson - Camp - Nelson	160.00	
17	Nelson - Camp - Nelson	320.00	
		<u>2,854.58</u>	
Less charges for Manning report		320.00	
		\$ 2,534.58	\$ 2,534.58

Salaries in Camp;-

Leonard Block	502.50	
Norman Block	2,118.75	
Walter Kondra	3,025.00	
Alberto Solera	3,812.50	
	<u>\$ 9,458.58</u>	\$
Less charges for Manning report; for Kondra & Solera	887.50	
	<u>\$ 8,571.25</u>	\$ 8,571.25
	Total	<u>\$17,182.78</u>
Costs as per L. J. Manning report	\$ 3,264.26	\$ 3,264.26
	GRAND TOTAL	<u><u>\$20,447.04</u></u>

Assessment Allocation Requested for Dry Ridge Group as follows;-

<u>Claim Name</u>	<u>Record Nos.</u>	<u>Nos. of Dollars.</u>	<u>Total Dollars.</u>
Dry Ridge #1	J1706	\$ 300.00	\$ 300.00
Dry Ridge #2	J2249	600.00	600.00
Dry Ridge #3 & #4	J2890 - 9]	600.00 ea.	1,200.00
Dry Ridge #5 & #6	J3813 - 14	600.00 ea.	1,200.00
Basin #1 to #6	J2884 - 89	600.00 ea.	3,600.00
W. K. #1 to #5	J3657 - 6]	600.00 ea.	3,000.00
W. K. #6	J3662	500.00	500.00
W. K. #7 to #11	J3706 - 10	500.00 ea.	2,500.00
Silver Tip #1	J3711	600.00	600.00
Silver Tip #2	J3634	600.00	600.00
Wolfe #1 to #11	J2869 - 79	500.00 ea.	5,500.00
Wolfe #12 to #15	J2880 - 83	200.00 ea.	800.00
			<u>\$ 20,400.00</u>

Signed on behalf of;-
 Dry Ridge Silver Mines Ltd.,
 2503 Board of Trade Tower,
 1177 West Hastings Street,
 Vancouver 1, B.C.
 Telephone 688-8384

W. F. Nottelman

 W. F. Nottelman, President

Sheet # 1



DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... Norman L. Block

ADDRESS..... Slocan City, B. C.

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
28873	20506 B	<p>Spectrochemical Analysis: Lead, and a small fraction of 1 per cent of copper were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.04 oz. per ton Silver 78.1 oz. per ton Lead 45.75% Copper 0.13%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>
28874	20507 B	<p>Spectrochemical Analysis: Lead, and a small fraction of 1 per cent of copper were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.07 oz. per ton Silver 159.3 oz. per ton Lead 17.34% Copper 0.13%</p> <p>Radioactivity: None was detected.</p>

THIS DOCUMENT, OR ANY PART THEREOF, MAY NOT BE REPRODUCED FOR PROMOTIONAL OR ADVERTISING PURPOSES.

DATE..... September 16th 1968

L. Mitchell

CHIEF ANALYST AND ASSAYER.





Sheet 2

DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... Norman L. Block

ADDRESS..... Slocan City, B. C.

LABORATORY NO.	SUBMITTER'S MARK	LABORATORY REPORT
1211 28875	20509 B	<p>Spectrochemical Analysis: Lead, and a small fraction of 1 per cent of copper were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.06 oz. per ton Silver 2143.4 oz. per ton Lead 29.57% Copper 0.23%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>
28876	20509 B	<p>Spectrochemical Analysis: Lead, and small fractions of 1 per cent of copper and zinc were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.13 oz. per ton Silver 105.9 oz. per ton Lead 14.14% Copper 0.18%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>

THIS DOCUMENT, OR ANY PART THEREOF, MAY NOT BE REPRODUCED FOR PROMOTIONAL OR ADVERTISING PURPOSES.

DATE..... September 16th 1968

J. Mitchell

CHIEF ANALYST AND ASSAYER.





Sheet # 3

DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... Norman L. Block

ADDRESS..... Slocan City, B. C.

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
29782	22893 B	<p>Spectrochemical Analysis: Lead, a small fraction of 1 per cent of copper, and a very small fraction of 1 per cent of molybdenum were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.06 oz. per ton Silver 2075.3 oz. per ton Copper 0.23% Lead 10.41%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>
29783	22894 B	<p>Spectrochemical Analysis: Lead, and a small fraction of 1 per cent of copper were found; the other base metals found, and their percentages, were those occurring normally in rocks.</p> <p>Assays: Gold 0.04 oz. per ton Silver 342.1 oz. per ton Copper 0.20% Lead 11.68%</p> <p>Radioactivity: No greater than that occurring normally in rocks.</p>

THIS DOCUMENT, OR ANY PART THEREOF, MAY NOT BE REPRODUCED
FOR PROMOTIONAL OR ADVERTISING PURPOSES.

E. February 14th 1969

CHIEF ANALYST AND ASSAYER.

1966
1967

CENTENARY OF THE UNION OF THE COLONIES OF VANCOUVER ISLAND AND BRITISH COLUMBIA UNDER THE NAME BRITISH COLUMBIA

File #316443/447

J. R. WILLIAMS & SON LTD.

PROVINCIAL ASSAYERS AND CHEMISTS

Office and Laboratory:

580 Nelson Street, Vancouver 2, B. C.

I Hereby Certify that the following are the results of assays made by me upon samples of ORE
 herein described and received from Mr. W. MOTTELMAN April 30th 19 69

MARKED	GOLD		SILVER		Copper		Lead		Per Cent.
	Ounces Per Ton	Value Per Ton	Ounces Per Ton	Value Per Ton	Per Cent.	Value Per Ton	Per Cent.	Value Per Ton	
#1 - 4" Galena	0.10	\$	125.90	\$	0.14	\$	30.60	\$	
#2 Brecciated 342.1 oz.	0.04		10.45		0.06		13.00		
#3 Gange along side off 12"	0.03		409.00				5.40		
#4 12" Lead	0.08		767.20				23.40		
#5 12" Lead	0.10		1,071.30				11.70		

Gold calculated at \$ _____ per ounce.

Silver calculated at _____ cents per ounce.

Calculated at _____ cents per lb.

Calculated at _____ cents per lb.

Calculated at _____ cents per lb.

NOTE—Pulps of Samples retained 2 months from date of Receipt.
 Rejects 1 week unless otherwise instructed.

J. Moore Provincial Assayer.

Sheet #4

SHEET NO. 1
FILE NO. 318443/453

J. R. WILLIAMS & SON LTD.
PROVINCIAL ASSAYERS
580 NELSON STREET

MUTUAL 5-5821

VANCOUVER 2, B.C., July 10th 1969

RESULTS of Assays made on samples of ore submitted by: MR. W. NOTTELMAN

MARK	Gold Oz/Ton	Silver Oz/Ton	Lead %
#1 <i>1st Ore</i>	Trace	12.40	0.70
#2 <i>1st Ore</i>	Trace	1.15	1.05
#3 <i>1st Ore</i>	Trace	69.60	1.20
#4 <i>1st Ore</i>	Trace	705.25	2.10
Galena Lower Hole	0.01	56.10	5.75
Quartz Top Hole	Trace	76.05	1.45
W. Wall Top Hole	Trace	4.25	0.60
N. W. Wall Top Hole	Trace	5.80	0.85
Lower Vein Top Hole	0.005	1441.05	5.05
Vein Top Hole	Trace	491.50	3.35
2 Pieces	Trace	58.50	1.05

~~117 297165~~
~~2667~~

Assays made by

J. Moore

CREST LABORATORIES (B.C.) LTD.

1068 HORNBY STREET
VANCOUVER 3, B.C.
PHONE 688-8586

LABORATORIES LTD.
1068 HORNBY ROAD
EDMONTON, ALBERTA
PHONE 469-2391

Sheet # 6

CERTIFICATE OF ASSAY

TO Dry Ridge Silver Mines
111 - 845 Hornby Street
VANCOUVER, B.C.

August 4, 1969

Lab No. 74

Samples Rec'd: July 30, 1969

I hereby certify THAT THE FOLLOWING ARE THE RESULTS OF ASSAYS MADE BY US UPON THE HEREIN DESCRIBED SAMPLES.

MARKED	GOLD		SILVER	LEAD							TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
1	trace	---	0.2	0.02							
2	trace	---	trace	0.02							
3	trace	---	0.6	0.05							
4	trace	---	0.6	0.07							
5	0.02	\$0.70	13.0	2.83							
6	0.34	11.90	296.6	0.29							
7	0.10	3.50	79.8	1.61							
8	0.04	1.40	82.2	0.41							
9	0.01	0.35	3.8	0.12							
10	trace	---	20.9	0.05							
11	0.01	0.35	1.7	0.02							
12	trace	---	0.2	0.05							
13	trace	---	25.6	0.10							
14	0.03	0.05	13.3	0.24							

Cont'd on page 2

NOTE:

Rejects retained one month.
Pulps retained three months
unless otherwise arranged.

Gold calculated at \$ 35.00 per ounce

S. Burgess
Registered Assayer, Province of British Columbia

Sheet # 6

CREST LABORATORIES (B.C.) LTD.

1068 HORNBY STREET
VANCOUVER 3, B.C.
PHONE 688-8586

LABORATORIES LTD.
ARGYLL ROAD
EDMONTON 82, ALBERTA
PHONE 469-2391

Sheet # 7

CERTIFICATE OF ASSAY

TO Dry Ridge Silver Mines

August 4, 1969

Cont'd from page 1

Lab NO. 74

I hereby certify THAT THE FOLLOWING ARE THE RESULTS OF ASSAYS MADE BY US UPON THE HEREIN DESCRIBED SAMPLES.

MARKED	GOLD		SILVER	LEAD							TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
15	0.04	\$1.40	87.3	1.66							
No Tag	trace	---	0.1	0.05							

NOTE:

Rejects retained one month.
Pulps retained three months
unless otherwise arranged.

Gold calculated at \$ 35.00 per ounce

F. Burgess
Registered Assayer, Province of British Columbia

Sheet # 7



2392

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2392** MAP **#2**

SOIL SAMPLING SILVER

LEGEND

- 35 PPM. AG
- E.M. CROSS-OVERS
- CLIFF
- CLAIM POSTS



L.J. MANNING & ASSOCIATES LTD.
CONSULTING ENGINEERS
VANCOUVER - BRITISH COLUMBIA

DRY RIDGE SILVER MINES LTD.
LEMON CREEK, SLOCAN B.C.
IMPEX

DATE SEPT. 1969	SCALE 1" = 100 FT.
SURVEYED BY L.J.M. M.L. & D.D.	CHECKED BY
DRAWN BY M.L.	FILE NO. B2 F6
TRACED BY	DRG. NO. 2



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2392** MAP **#3**

2392

LEGEND

- 35 PPM. Pb.
- E.M. "Cross-overs"
- CLIFF

SOIL SAMPLING LEAD



L.L. MANNING & ASSOCIATES LTD.
CONSULTING ENGINEERS
VANCOUVER, BRITISH COLUMBIA
DRY RIDGE SILVER MINES LTD.
LEMON CREEK, SLOCAN B.C.
IMPEX

DATE SEPT. 1969	SCALE 1 IN. = 100 FT.
SURVEYED BY L. J.M., M.L. & D.D.	CHECKED BY
DRAWN BY M.L.	FILE NO. 82 F6
PROJECT NO.	DRG. NO. 3