

82F/10W

MEMORANDUM

82FNE156

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Prop. File

001927

TO.....Mr. J.W. McCammon,.....
.....Mining Engineer,.....

FROM THE

DEPARTMENT OF MINES
AND PETROLEUM RESOURCES

VICTORIA, B.C., Dec. 4, 1961

WHEN REPLYING PLEASE REFER
TO FILE NO.....

The attached analyses are of limestone samples which I took in September 1961 on logging roads south of Lendrum Creek 3 or 4 miles north of Ainsworth. The locations of the samples, extent of the limestone (blue) and the main logging road from the Florence Camp of Western Mines Ltd., are shown on the accompanying map (1000 feet to the inch).

Number 1

The limestones (called the Membert, Star, or Silver Hoard in old reports) are very fine grained dark grey, grey, light grey, and locally white. They all give off an odour of hydrogen sulphide when broken. Thick sections of limestone containing no other rocks are common but in a few places clean limestones contain sheets of felsite a few feet thick. Other sections of limestone are interlayered and complexly in folded with dark gray phyllites or mica schists (grey on the map). Argillaceous limestones are not common.

The samples were taken in a thick section of clean limestone in which the foliation, a gray and white banding, dips 29 to 50 degrees to the west. Samples were taken across the foliation on lines perpendicular to the dip by breaking chips at 1 foot intervals..

James T. Fyles

J.T. Fyles,
Geologist.

JTF:ln

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DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... Dr. J. T. Fyles
 Geologist,
 Department of Mines and Petroleum Resources, Buildings.
 ADDRESS.....

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT					
	Lab. No.	8420M	8421M	8422M	8423M	8424M	8425M
	Your No.	943	944	945	946	947	948
		%	%	%	%	%	%
	Insol	1.06	1.02	0.24	0.34	0.24	0.30
	R ₂ O ₃	0.48	1.38	0.18	0.14	0.06	0.06
	Fe ₂ O ₃	0.17	0.57	0.04	0.03	0.01	0.02
	MnO	0.12	0.57	0.03	trace	trace	trace
	MgO	6.66	7.17	0.29	9.49	1.12	1.43
	CaO	47.17	45.80	55.22	44.65	54.51	53.96
	P ₂ O ₅	0.04	0.06	0.05	0.04	0.02	0.02
	S	0.003	0.004	0.005	0.003	0.003	0.003
	Ignition loss	44.76	44.64	43.78	45.53	44.17	43.98
	H ₂ O 105°C	0.12	0.12	0.09	0.07	0.05	0.08
	COLOUR.	Lt GREY & GREY	Lt GREY & GREY	WHITE	GREY	Lt GREY	WHITE
	WIDTH OF SAMPLE	6 FT	15 FT	8 FT	15 FT	8 FT	15 FT
	Note:	29 FT SECTION Insol refers to material insoluble in hydrochloric acid. R ₂ O ₃ , MgO and CaO are acid soluble, and Fe ₂ O ₃ , MnO, P ₂ O ₅ and S are total.					

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DATE..... November 24, 1961.

S. Metcalfe

CHIEF ANALYST AND ASSAYER