

DU PONT OF CANADA EXPLORATION LTD.

SUMMARY OF MINING PROSPECT

HJ CLAIM

NEAR NAKUSP

SLOCAN MINING DIVISION, B.C.

AG-AU PROSPECT

Examined by W.G. Smitheringale, September 20, 1980.

SUMMARY

The HJ quartz veins are exposed underground for 65 m. They occur along a strong structure but are only lightly mineralized. The best assay obtained is 2.1 oz Ag per ton and 0.135 oz Au per ton over 1.5 m. The property is recommended as a low priority project.

SUBMITTED BY: Ralph Allen
Nakusp, B.C.
Phone: 265-4681

On behalf of
D. Jordan
P.O. Box 314
Nakusp, B.C.

SUBMITTED TO: W.G. Smitheringale, September 20, 1980, while consulting for Du Pont of Canada Exploration Ltd.

REFERENCES

1. Geo. Surv. Canada, Open File 464, Mineral Deposits Lardeau West Half Map-Area.

LOCATION AND ACCESS

NTS 82K-4W; Lat. $50^{\circ}7'20''N$, Long. $117^{\circ}46'20''W$; about 13 km south of Nakusp.

The showing is reached by driving 9 km south on Provincial Highway 6 to the Slewiskin logging access road then 2 km up the access road to a bush road then 0.5 km to the underground workings.

PROPERTY AND TITLE

The property consists of four claims that were staked in 1965. The following information was obtained from the Mineral Titles Office in Vancouver on January 6, 1981.

<u>Claim Name</u>	<u>Record No.</u>	<u>Expiry Date</u>	<u>Registered Owner</u>
HJ 1	8099	November 25, 1981	F.D. Jordon
HJ 2	8100	"	"
HJ 3	8101	"	"
HJ 4	8102	"	"

HISTORY

The only exposed vein on the property has been explored by a short cross-cut and a 65 m long drift. To the writer's knowledge no ore has been shipped.

There is no record of this showing on the B.C. Ministry of Energy, Mines and Petroleum Resources mineral inventory map. However, a silver bearing vein known as the Nepe prospect is shown on the mineral inventory map about 300 m southeast of the HJ workings. As of April, 1980, the Nepe prospect was not staked.

SCOPE OF INVESTIGATION

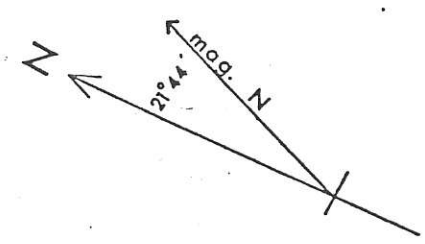
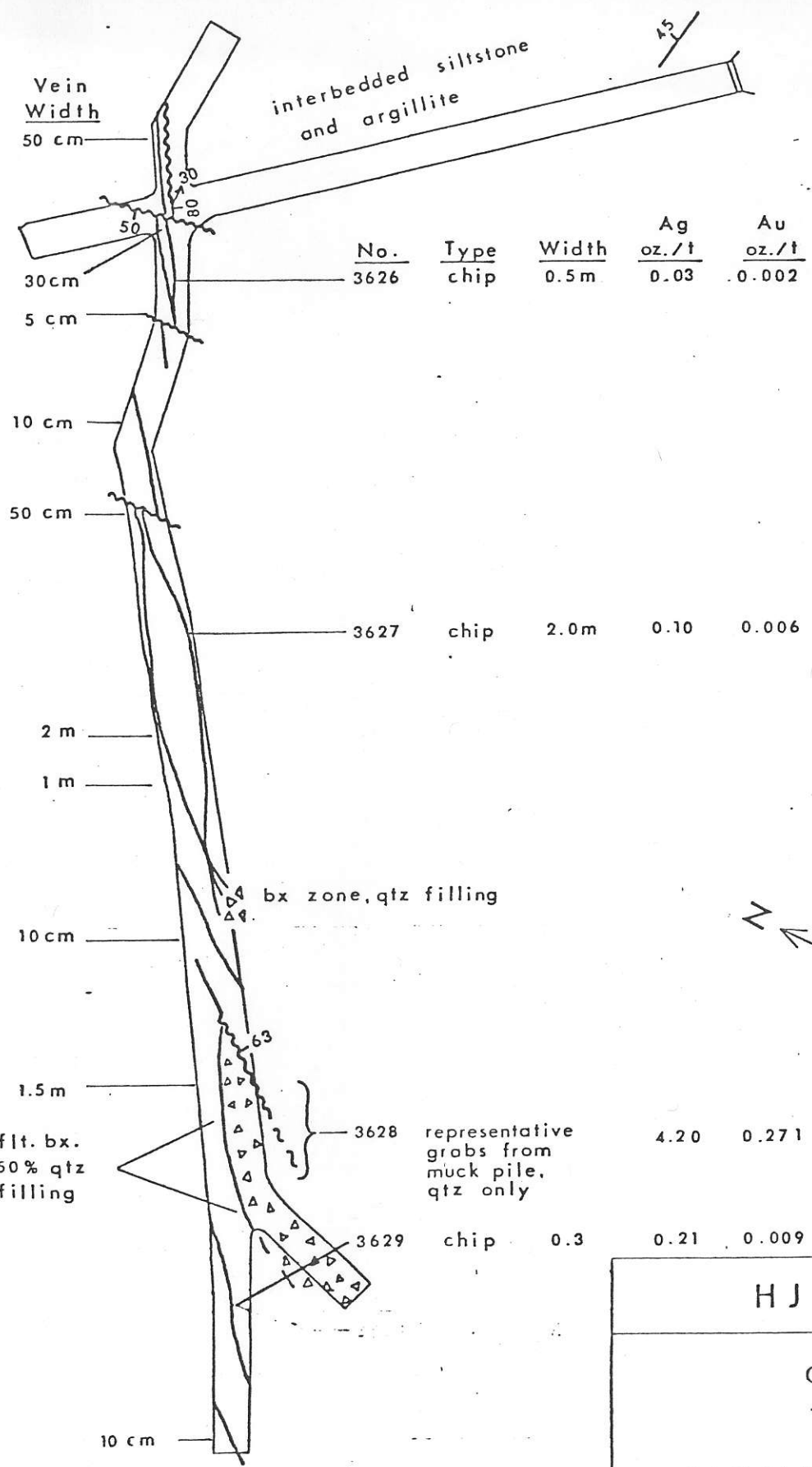
The writer spent about one hour in a hurried examination of the underground workings accompanied by Ralph Allen.

GEOLOGY AND MINERAL DEPOSITS

The HJ showing consists of series of en echelon quartz veins and quartz filled breccia zones hosted by interbedded siltstone and argillite belonging to the Slocan Group. According to Ralph Allen the showing is about 400 m from an intrusive contact. However, the nearest intrusive body shown on the GSC Open File 464 map is about 4 km to the south. Above the portal the sediments strike 280° and dip 45° NE.

The veins are exposed by a 65 m long drift. They occupy NE trending, steeply SE dipping faults, and are offset in a righthanded sense by N trending, steeply W dipping faults. They pinch and swell, the greatest width exposed being 2 m. Some pass into fault breccia zones. The breccia consists of altered and unaltered fragments of wallrock in a quartz matrix that forms about 50% by volume of the breccia zones. The main breccia is 1.5 m wide and is exposed for about 15 m along strike.

The veins and breccia zones are sparsely mineralized with galena, sphalerite and pyrite that carries silver and gold values. Four samples



H J SHOWING

GEOLOGY
and
SAMPLE LOCATIONS

To Accompany Report By W.G. Smitheringale & Associates Ltd. Dated: January 14, 1981

of vein material were collected, three of which returned low assays. The fourth, #3628 was a composite grab sample from a pile of muck that had caved from a 4.5 m long section of the roof. Only the quartz breccia filling was collected. The sample assayed 4.2 oz/ton Ag and 0.271 oz/ton Au. Since wallrock fragments comprise about 50% of the breccia zone the assay values should be halved in order to represent the complete breccia zone.

The veins and breccia zones are clearly fault controlled. The structure of the vein system as a whole is strong, and it continues beyond each end of the drift. The system is mineralized and could contain economic ore shoots.

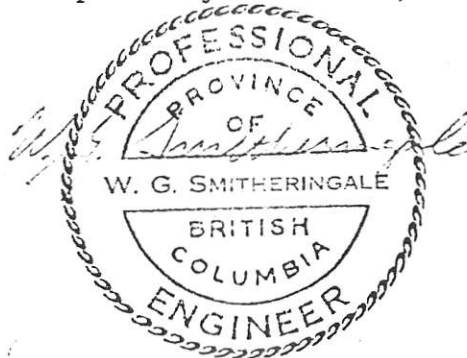
According to Ralph Allen the property has had no exploration work done on it. In view of the fact the property was staked in 1965 this statement should be taken with a grain of salt.

CONCLUSIONS AND RECOMMENDATIONS

The HJ showing is part of what is probably a strong structure that is mineralized. In spite of the weak mineralization at the showing the property warrants a simple exploration program. The object would be to trace the structure on surface, locate any well mineralized portions within it and to search for parallel mineralized structures. A soil geochemistry survey accompanied by preliminary geological mapping on surface and careful remapping and sampling underground is the best initial step. This program could be done by 3 men in five to seven days.

I recommend that the property be optioned as a medium to low priority project.

Respectfully submitted,



W.G. SMITHERINGALE, P.Eng.

W.G. Smitheringale & Associates Ltd.
January 14, 1981

MIN-EN LABORATORIES LTD.

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 NORTH VANCOUVER, B.C.
 Phone: 980-5814

Certificate of Assay

TO: W.G. Smitheringale & Assoc.,
1328-510 W.Hastings St.,
Vancouver, B.C.

PROJECT No. _____
 DATE Oct. 7/80.
 File No. 0-936

SAMPLE No.	Pb %	Zn %	Ag oz/ton	Au oz/ton
3622	---	---	---	---
" 21	---	---	.07	.001
" 25	---	---	.03	.001
H.J. 26	--	--	.03	.002
" 27	--	--	.10	.006
" 28	--	--	4.20	.271
" 29	--	--	.21	.009
30	2.32	5.65	7.34	.003
31	.03	.06	.30	.003
" 32	.01	.02	.10	.001
" 33	.10	.14	2.74	.055
34	.03	.07	.43	.002
35	.01	.03	.12	.001
Ag 36	--	--	4.11	.012
" 37	--	--	.71	.001
" 38	--	--	.19	.001
" 39	--	--	.10	.008
3640	--	--	.23	.003
Red Kidney Property 150	.01	.01	.12	.001

MIN-EN Laboratories Ltd.

CERTIFIED BY

