

CADMIUM ASSAYS ON SELECTED D.D. CORE SAMPLES

January 29, 1975

SECTION	DRILL HOLE	DRILL HOLE FOOTAGE INTERVAL	LENGTH THICKNESS	ORE ZONE	LOCATION	Cadmium Sample No. *	WEIGHTED ASSAYS				Sample Nos.	L.	WHITELINE ASSAY OFFICE FILE No. DATE
							Cd %	Pb %	Zn %	Ag %			
4100 W	A-26	203.6 - 228.5	24.9	A	L 64 W / 2 N	5	.03	6.37	14.93	3.01	{ 406 7 6 409	5.4 5.0 9.2 5.7	8558-34 Aug 25/74
4400 W	A-45	250 - 277	27.0	A	L 68 W / 4 N	8	.03	8.19	16.19	3.38	{ 804 5 6 7 808	5.0 5.0 6.0 9.0 2.0	8765-44 Oct. 2/74
2400 W	A-19	467.3 - 477.3	10.0	A	L 72 W / 2 N	1	.02	7.35	9.36	4.08	058	10.0	8450-45 Aug. 1/74
2400 W	A-19	637.0 - 647.0	10.0	B	L 72 W / 2 N	2	.03	9.15	15.36	4.02	078	10.0	ditto
2400 W	A-27	1099.5 - 1109.5	10.0	D	L 80 W / 4 N	7	.02	4.73	2.88	2.06	498	10.0	8508-42 Sept 2/74
2400 W	A-24	597.0 - 607.0	10.0	A	L 80 W / 2 N	4	.02	7.20	10.20	3.00	344	10.0	8547-49 Aug 20/74
0+00 W	A-24	1078.8 - 1087.8 - 1091.0 - 1101.0 - 1108.5 - 1118.5 - 1127.4	6.0 6.2 10.0 7.5 10.0 8.9 48.6	D	L 80 W / 2 N	6	.02	6.10	10.59	2.81	{ 380 1 2 3 4 385	48.6	8579-53 Aug 22/74
2400 W	A-22	903.2 - 908.0 - 914.2	4.8 6.2 11.6	B	L 84 W / 2 N	3	.03	6.30	12.50	3.24	{ 164 165	4.8 6.0	8463-20 Aug 9/74
7600 W	A-53	465 - 476 874.7 - 882.2	11.0 7.7	A B	L 76 W / 3440 N L 76 W / 3440 N	9 10	.02 .02	6.23 5.55	13.55 11.50	2.94 2.21	896 906	11.0 7.7	8788-26 Aug 5/74 8793-22 Nov 7/74

* whiteline Assay Office, Assay Certificate - File No. 8858-10, Feb. 5/75.

KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

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To M. D. Rowswell From W. M. Sirola

Subject Grum Deposit, Vangorda Creek Area, Y.T. Date 10th February 1975

Cadmium Content of Selected Diamond Drill Core Samples

cc: Glen M. Hogg

W.J.
D.M.H.
G.M.H.
M.B.R.
I.D.B.
R.D.S.
G.R.
T.W.B.
<i>Sam</i>
<u>E.C.I.</u>

Herewith cadmium assays taken from drill core pulps assaying in the range 8.8% Zn to 16.19% Zn. This is accompanied by a tabulation made by Fred Chow which shows drill hole numbers, footage and grade of the ten samples.

The arithmetic mean of all ten samples is 0.024% Cd. If we assume a 78% recovery of zinc and the related cadmium, then the value of the cadmium content in the range indicated is 0.312 lbs per ton of ore. At the current price of \$4.15 per lb, the value of the cadmium content would be \$1.30 per ton.

The information we have on Anvil concentrates does not indicate that cadmium is being recovered but the value of the cadmium in the Anvil ore may well be hidden in the smelter returns for zinc concentrates.

The only basis of comparison we have at the moment is that the average zinc content of Sullivan Mine ores is 5.6% and the cadmium recovered was 0.19 lbs per ton. This correlates fairly well with our 0.312 lbs when we consider that the average grade of our samples was probably twice the Sullivan grade.

I have asked John Bruk about the cadmium value of the Anvil ores, but he did not have any ready answers. He did promise, however, to try to find some information on this subject.

It is entirely possible that C. M. & S., being a smelter company, are making money out of a relatively low cadmium content but the Japanese might well say that our cadmium content is just borderline and, in consequence, they would not pay anything for this element.

W. M. Sirola
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WMS:Lmp

enc: