

KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

006158

W.S.R.
K.C.G.
J.H.S.
E.F.
R.D.S.
B.C.B.
P.M.K.
G.W.M.
R.G.M.
C.K.W.
J.B.S.
G.P.R.
K.F.L.
J.I.B.
E.C.J.

To W. M. Sirole From P. M. Kavanagh
Subject Ore Reserves Calculations, Date December 27th, 1966.
Swim Lakes "A" Group, Yukon.

Attached is a data sheet I have worked out using yours and Fred's interpretation on the cross sections. If you refer to your copies of the sections you will note how I handled the various inter-sections, etc.

Using a tonnage factor of 8, which was the tonnage factor used in the Vangorda property calculations, the resulting figures of interest are the following:

4,750,000 tons of 1.5 oz. Ag, 3.8% Pb, 4.7% Zn

These figures are not very different from the 5,000,000 tons of 1.5 oz. Ag. and 9% Pb-Zn which I presented at our last Board meeting, but of course they are based on a much more careful interpretation of our data.

The tonnage figure can very probably be expanded in the area east of A-30 and A-31 and south of A-19 and A-17, also possibly south of A-24 and A-20, and east of A-37. The tonnage figure does not all represent open-pitiable reserves; I intend to make a calculation of the indicated open-pitiable portion as soon as I have time.

I would appreciate any comments you or Fred may have.

Paul M. Kavanagh
Chief Geologist - Exploration.

PMK:sw

Section No.	Hole No.	Footage	Length	Width	Thickness	Ag.oz	Pb%	Zn%	Volume Cu.Ft.	Vol. x Ag	Vol. x Pb	Vol. x Zn	
106+50SE	A-24	151.7 - 200.5	200'	200	40	1.8	3.7	4.8	8.5 1,600,000	2,880,000	5,920,000	7,680,000	
108+50SE	A-20	160.0 - 187.0	175	230	25	1.3	3.1	4.9	8.0 1,010,000	1,313,000	3,131,000	4,949,000	
		328.6 - 360.5	175	250	30	0.9	2.1	4.6	6.7 1,310,000	1,179,000	2,751,000	6,026,000	
		A-10	356.2 - 432.0	175	220	60	1.7	2.3	5.6	7.9 2,320,000	3,944,000	5,336,000	12,992,000
		A-18	465.0 - 483.0	175	200	15	0.6	2.2	5.0	7.2 530,000	318,000	1,166,000	2,650,000
110 SE	A-31	140.0 - 160.0	175	150	20	1.3	3.2	3.7	6.9 530,000	689,000	1,696,000	1,961,000	
		175.0 - 195.0	175	150	20	1.6	3.3	4.5	7.8 520,000	832,000	1,716,000	2,340,000	
		232.5 - 242.5	175	150	10	1.8	3.2	5.8	9.0 260,000	468,000	832,000	1,508,000	
		A-30	406.0 - 483.0	175	210	70	1.2	3.4	4.0	7.1 2,570,000	3,084,000	8,738,000	10,280,000
112 SE	A-19	83.0 - 113.0	200	200	30	1.6	4.7	4.0	8.7 1,200,000	1,920,000	5,640,000	4,800,000	
		210.0 - 230.0	200	200	20	1.1	3.2	4.9	8.1 800,000	880,000	2,560,000	3,920,000	
		A-15	334.0 - 352.9	200	200	19	0.7	2.3	4.5	6.8 760,000	532,000	1,748,000	3,420,000
114 SE	A-12	320.5 - 399.0	200	200	79	1.2	3.8	4.0	7.8 3,160,000	3,792,000	12,008,000	12,640,000	
116 SE	A-23	125.0 - 175.0	200	160	80	1.5	4.1	4.3	8.4 2,560,000	3,840,000	10,496,000	11,008,000	
		A-35	406.0 - 421.0	200	200	10	1.2	3.5	4.0	7.5 400,000	480,000	1,400,000	1,600,000
		A-6A	154.0 - 232.0	200	200	78	2.5	7.8	7.2	15.0 3,120,000	7,800,000	24,336,000	22,464,000
		A-14	423.3 - 437.3	200	220	10	1.5	3.5	4.3	7.8 440,000	660,000	1,540,000	1,892,000
118 SE	A-28	200.0 - 252.0	200	190	50	1.7	3.3	5.6	8.9 1,900,000	3,230,000	6,270,000	10,640,000	
		A-4	193.0 - 237.0	200	190	43	1.1	3.5	4.2	7.7 1,630,000	1,793,000	5,705,000	6,846,000
		279.0 - 314.0	200	190	35	1.5	1.0	5.2	6.2 1,330,000	1,995,000	1,330,000	6,916,000	
		375.0 - 395.0	200	170	20	1.1	4.5	4.3	8.8 680,000	748,000	3,060,000	2,924,000	
		425.0 - 472.0	200	170	47	1.6	2.9	4.2	7.1 1,600,000	2,560,000	4,640,000	6,720,000	
120 SE	A-5	276.0 - 320.0	200	190	43	2.1	5.6	4.6	10.2 1,600,000	3,360,000	8,960,000	7,360,000	
		356.4 - 367.8	200	180	10	1.4	5.1	4.1	9.2 360,000	504,000	1,836,000	1,476,000	
		A-13	472.0 - 482.0	200	190	10	1.5	3.5	5.0	5.5 380,000	570,000	1,330,000	1,900,000
122 SE	A-29	130.5 - 181.0	200	140	45	1.1	4.9	3.5	8.4 1,260,000	1,386,000	6,174,000	4,410,000	
		205.0 - 230.7	200	150	20	1.7	3.6	5.4	9.0 600,000	1,020,000	2,160,000	3,240,000	
		A-25	179.7 - 188.0	200	150	9	1.8	3.6	4.7	8.3 270,000	486,000	972,000	1,269,000
		A-16	452.7 - 464.5	200	200	12	1.1	3.0	4.5	7.5 480,000	528,000	1,440,000	2,160,000
124 SE	A-37	73.0 - 113.0	200	200	40	1.2	3.0	4.0	7.0 1,600,000	1,920,000	4,800,000	6,400,000	
		402.0 - 432.0	200	200	30	1.8	4.2	3.6	7.8 1,200,000	2,160,000	5,040,000	4,320,000	

37,980,000 Cu.Ft.