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KERR ALSON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

Y-5 SEP 9 1968
34 Y/5.13

To P. M. Kavanagh From W. M. Sirola

Subject Swim Lakes - Vangorda Metallurgical Sampling Date September 5, 1968

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

By this weekend we will have made the following distribution of core for metallurgical testing:

Swim Lakes "A" Group - DDH #A-24, 151.7 - 200.5 = 48.8 feet averaging 3.7% Pb, 4.8% Zn and 1.8 oz. Ag to be shipped to Mr. Ogiri of Toyomenka in Vancouver who in turn will send it to Japan. I estimate that the core from this hole will weigh approximately 60 lbs.

From the Vangorda deposit we have core from drill holes 15-C and 15-D. I will send the upper section from 15-C (160 - 200 feet) which should weigh approximately 40 lbs to Galigher. The lower section from 15-C (201 - 250 feet) which should weigh approximately 50 lbs will go to Mr. Ogiri.

Each of these sections of core will be crushed to 1/4" and then sampled for lead, zinc, silver and copper prior to shipment.

We will have remaining for possible future use, all of the split core from DDH #A-12 at Swim Lakes. This is a section from 320.5 - 399.0 feet, or 78.5 feet averaging 3.8% Pb, 4% Zn, and 1.2 oz of Ag, plus all of DDH #15-D from Vangorda. This latter hole was drilled to a depth of 250 feet.

Recent assay of a thin half of core:
1.62 Ag
3.96 Pb
4.60 Zn
0.21 Cu

1.77 Ag
4.74 Pb
5.22 Zn
0.65 Cu

1.66 Ag
4.30 Pb
5.06 Zn
0.12 Cu

100 lbs

120 lbs

63 lbs actual

36 lbs actual

36 lbs actual

W. M. Sirola

W. M. Sirola.

WMS/ik

N.B. The assay results written by hand above are the assay results by Eldridge in Vancouver of the actual samples being sent out to Dow & Galigher.

Pmk.
Sept. 13/68.

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VA 16
cc. 7/5
13 PMK ✓

To P. M. Kavanagh From W. M. Sirola

Subject Swim Lakes Metallurgical Sampling Date July 31, 1968.

We have today telephoned to Ken Thompson the following instructions: When he next makes radio contact with Gagnon and his partner, he is to advise them to proceed to Swim Lakes by aircraft from Ross River (if Swim Lakes road is too difficult to negotiate by truck). At Swim Lakes, they are to remove the split core from the following drill holes and place the core in aluminum boxes for shipment to Vancouver:

→ I phoned Thompson to ask him to tell Gagnon to use plywood between the aluminum sheets for safe packing.
PMK
Aug. 13/68.

DDH A-12:

320.5 - 399.0 = 78.5 ft. averaging 3.8% Pb, 4.0% Zn and 1.2 oz. Ag.

DDH A-24:

151.7 - 200.5 = 48.8 ft. averaging 3.7% Pb, 4.8% Zn and 1.8 oz. Ag.

These holes were selected because of their ore grades, a somewhat higher percentage of Zinc than Lead and good recoveries. They are also complete sections which have not been previously tapped for metallurgical purposes.

The amount of split core involved should be very adequate for the Dowa people and I understand from Mr. Ogiri that they do not care what size this material is crushed to in Vancouver. We will arrange to have the core crushed to 1/4" and a representative sample will be assayed by Coast Eldridge.

This sojourn to Swim Lakes is to take place after they have drilled a second hole at Vangorda.

The shipping instructions given to both Gagnon and Thompson are that the core is to be shipped to Kerr Addison Mines Limited, care of Crone Storage, 760 Beatty Street, Vancouver B.C., via Canadian Freightways from Whitehorse.

W. M. Sirola

W. M. Sirola.

Swim JUL 29 1968
New file

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of Y-5
13

New file

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To P. M. Kavanagh From W. M. Sirola
 Subject Swim Lakes - Vangorda Metallurgical Drilling Date July 22, 1968
& Swim Lakes

The drillers reached Whitehorse on July 3rd instead of on July 2nd as scheduled. Constantini's luggage was left behind in Edmonton and did not reach Whitehorse until July 5th.

The bulldozer was not at the Pelly River ferry site on July 4th as scheduled but it did appear on July 5th but could not cross until July 6th because the blade and ripper had to be removed before making the ferry crossing. The cat and drillers arrived at Swim Lakes at approximately 10:30 P.M. on July 6th.

While waiting for the cat, Constantini's luggage and pipe fittings to arrive from Whitehorse, I took Gagnon to the site of Hole 15 on the Vangorda property.

On checking Hole #A-21 on the Swim Lakes "A" Group, we found it to be frozen solid. You may recall we had intended to use this as our water supply. Fortunately there was sufficient run-off water along the road to the drilling area to enable us to build a sump in which the water supply should last as long as it is required.

On July 8th the drill was set up two feet west of A-29 and commenced drilling on July 9th. I left Swim Lakes that day to make the Hart River examination and returned on July 11th to find that Gagnon had moved the drill to a location two feet east of A-29. He did this on the mistaken assumption that he could core better on this latter setup than he could in his former location where he had reached a depth of 69 feet before pulling out. He was then advised to not concern himself unduly with coring in the unmineralized rock above and between the zones and when I left the property on July 14th, he had reached a depth of 119 feet at 1:30 P.M. and was then beginning to core properly.

While it is always difficult to predict the outcome of any drill hole being drilled with limited equipment, it seems reasonable to assume that Gagnon should be able now to complete the holes without incident.

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To _____ From _____
Subject _____ Date _____

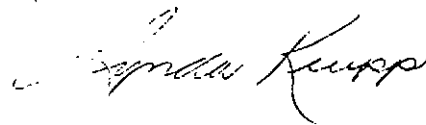
- 2 -

The road into the Swim Lakes group is rough in spots but the driller has been equipped with the necessary parts for repairing the truck which was damaged to some extent in the course of getting into the property. He has also been advised that gasoline for the drill and the truck will be made available to him on the Faro property through the courtesy of the Anvil people.

In case of difficulty, he has been advised to proceed either to Ross River or the Anvil property where he can contact either Ken Thompson, this office, or even his home base if necessary. He was advanced \$100.00 from this office on July 13th.

When the drilling is complete, he has been instructed to send the core via Canadian Freightways to Kerr Addison Mines, care of Crone Storage, Vancouver. Mr. Thompson has also been advised the disposition of the core.

When the core reaches Vancouver, we will have it crushed to 1/4" at Coast Eldridge. The appropriate sections will have to be assayed and the remainder distributed to Galigher and the Toyomenka people in Japan. We will get shipping instructions from Mr. Ogiri prior to shipment.



W. M. Sirola.

WMS/lk

KERR ADJISON MINES LIMITED

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VA 16

MAY 27 1968

To P. M. Kavanagh From W. M. Sirola

Subject Vangorda & Swim Lakes Properties, Y.J. Date May 17/68
Metallurgical Drilling

A site for the Winkie Drill on the Swim Lakes property must meet the following requirements:

- 1) Reasonably shallow overburden
- 2) The top of the ore horizon should not be more than 100 feet deep.
- 3) The ore section should core well and be approximately average grade.
- 4) The site should be within reach of water supply.

The following possibilities were considered:

<u>Hole Number</u>	<u>Depth of Overburden</u>	<u>Depth of Ore Section</u>	<u>Ore Grade</u>	<u>Remarks</u>
A-6	84 ft.	154 - 232	15% Pb+Zn	Very poor recovery
A-19	33 ft.	83 - 113	8.7% "	Good location but ore thickness only 30 ft.
A-23	16 ft.	125 - 200	8.4% "	Very poor recovery
A-24	23 ft.	152 - 196	8.2% "	Located in Zone #2, otherwise acceptable.
A-29	17 ft.	130.5 - 181	8.3% "	Good location.

Reviewing the above tabulation, one has to reject A-6 and A-23 on the basis of recovery. A-24 is a suitable location but there is some possibility that there are metallurgical differences between Zone No. 2 in which A-24 is located and Zone No. 1. A-19 is a good location if a 30-foot ore section is adequate. The core from this section would weigh approximately 2.3 pounds per foot for a total of 69 pounds. This would provide both the Japanese and Galigher with 34½ pounds apiece provided no core was sent elsewhere for assay. The other acceptable location is A-29.

(continued - Page 2)

KERR ADJISON MINES LIMITED

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To.....From.....

Subject.....Date.....

-2-

When Fred Chow left the Swim Lakes property last November, Hole A-21 was making abundant water and it is quite possible that this would still be the case on July 1st. We have an abundant supply of two inch aluminum pipe with couplings on the property so that the driller need not bring more than 200 or 300 feet of hose. Should we choose A-29, we would have to string approximately 1,000 feet of pipe and consequently would require a pump or pumps capable of handling this length of water line against a 100-foot head. My choice would be A-19 provided that the core obtained would be sufficient. I note however in your memorandum of May 1st that you are considering 100 pounds from each deposit. This would then shift the choice of location to A-29 where one hole theoretically should provide enough material.

On the Vangorda property, drill hole No. 1 would be a good location except that core recovery was poor. The next choice would appear to be hole No. 15 where we drilled metallurgical holes in 1964. My only concern at this site is that the ore section is a little deep (164 to 246 feet) and I do not know if the Winkie drill could handle this. If it can, then this location is the obvious choice. Hole 33 is a good location but the Winkie drill would have to contend with 65 feet of overburden. I assume that this would be rather difficult for that machine.

Perhaps you would ask the driller whether or not he could drill to a depth of 246 feet in good ground conditions and if he can, then we should put the Winkie drill at Hole #15. The distance from Hole 15 to Vangorda Creek is less than 100 feet so there is no problem with water supply.

Shipment of the drill should be via railway express to Edmonton, then via Canadian Freightways to Whitehorse. The cost of 500 pounds and over is \$6.93/CWT from Edmonton to Whitehorse. You should allow seven days for shipment from Edmonton to Whitehorse.


W. M. Sirota.

WMS/lk

Encl. Swim Lakes Diamond Drilling Plan, Scale 1" = 200 feet.
Vangorda Mines Diamond Drill Hole Plan, Scale 1" = 100 feet.

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W.S.R.
K.C.G.
<input checked="" type="checkbox"/> H.S.O.
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P.S.S.
P.O.P.
<input checked="" type="checkbox"/> J.B.
C.K.W.
J.B.S.
G.P.R.
K.F.L.
J.L.B.
E.C.J.

To.....W.A. M. Sirola.....From.....P. M. Kavanagh.....

Subject.....Vangorda & Swim Lakes Properties, Y.T......Date.....June 10th, 1968.....
Metallurgical Drilling.

This is prompted by your memorandum of May 17th on this matter.

One thing we should keep in mind is our estimated overall grade of the deposit which is 3.8% Pb and 4.7% Zn. In this respect neither the 83-113 foot section in Swim Lakes Hole A-19 nor the 130.5 - 181.0 foot section in Hole A-29 are suitable, both being higher in lead than zinc. A section that does fit is the 205.0 - 230.7 foot section in Hole A-29 which has a grade of 3.6% Pb and 5.4% Zn. I therefore think that we should drill two holes in this location with the same attitude as A-29 and each to the 231 foot depth. The Winkle should be able to do this particularly as the overburden is only 17 feet thick. If for some reason it couldn't then we would have to be satisfied with samples from the shallower 130.5 - 181.0 foot section. In the event that the first plan were successful I have in mind that the 25 foot section from one hole would be sent to Galigher and the same section from the other hole would be sent to the Japanese.

The Vangorda deposit also is higher in zinc than lead, having an average grade of 3.2% Pb and 5.0% Zn. Hole 15, at which we drilled the two big holes in 1964, fits the bill; the 160 - 247 foot sections in both of our big holes together averaged 3.0% Pb and 5.8% Zn. We should drill one hole there to 250 feet and obtain from it approximately 180 lbs. of sample. Based on the detailed assay results from our big hole 15-A, we could send the 160 - 190 foot section to Galigher and the 216 - 244 foot section to the Japanese; the former section assayed 3.1% Pb and 5.7% Zn, and the latter section assayed 2.9% Pb and 5.7% Zn. We could keep the remaining part of the total section for further possible use.

Paul M. Kavanagh.

PMK:sw