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KERR ADDISON MINES LIMITED

JUL 18 1977

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To Mr. D.A. Lowrie From Mr. W.M. Sirola

Subject BIG SALMON COAL PROJECT Date July 15, 1977

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Herewith a copy of Gerry Noel's last report, together with two map sheets on the scale of 1 : 12,500.

Gerry has outlined the Tantalus Basin which contains a central core of shale and coaly shale over a width of 100 to 200 meters and a total length of 700 meters. The core of the Basin probably extends much further south, but Gerry was unable to find any outcrop on the south sheet.

We now have two choices:-

- (1) Try a Crone E.M. and VLF survey on the north end of the Basin where the best exposures occur, or
- (2) Drill a fence of holes across the north end of the Basin.

It would be relatively inexpensive to attempt the geophysical work and while I am not very optimistic as to the outcome, nonetheless it is probably worth a try.

Fred Chow will be assigned to this project when he has completed the paper work on the CC Group. This will probably be by the end of July.

W.M. Sirola
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Encl.

G.A. Noel & Associates
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July 13, 1977

TO: W.M. Sirola
FROM: G.A. Noel
SUBJECT: BIG SALMON PROJECT

This is just a short summary to accompany the maps - two copies of which have been prepared. I did not have time to draw the two sections A - A and B - B as planned. I may have some time during the next few weeks in the field and if so, I will try to prepare these in rough form and send them in to you. I have a copy of each of the map sheets for this purpose. I will also prepare a more formal report in September when I get back from the field and this will no doubt be required for assessment purposes.

From the geological work the Big Salmon Coal Basin appears to be at least 6,000 meters wide, trends N30°W and extends for at least 30,000 meters across the mapped sheets. The basin is underlain by Tantalus conglomerate, sandstone, tuff, shale and minor coal and the Tantalus Formation unconformably overlies Upper Triassic or older Lewes River Group limestone on the north-east limb and probably equivalent limestone and volcanics on the west limb though this contact is not exposed. The basin has been deeply eroded so that the lower conglomerate is exposed in places in the central part of the basin. In the northern part of the basin, the upper shale and coal member is exposed and probably extends for at least 6,000 meters southeasterly. At the north end it appears to plunge about 20° southeast but it may well plunge northwesterly in the vicinity of Walsh Creek, i.e. probably a closed basin. The shale and shaly coal section has been outlined and is about 100 - 200 meters wide. Shaly coal has been found over an elevation difference of at least 500 ft. and dips are generally quite flat. Most of the coal seen was in very narrow seams mixed with shale - sections up to 50 meters thick showed interbedded shale and coal with most coal seams 1 - 5 cms. thick. In several places, shaly coal seams up to 1 meter thick were seen.

Atlas Exploration invested the coal on Jumpout Creek and may have done some drilling. It would be worthwhile checking with Atlas as to their results initially. Several possible drill locations are suggested as probably the best means of checking the coal potential. These are indicated with orange circles: one at 61°59.4'N, 134°47½'W (possible drill site of Atlas); other at 61°58.2'N: 134°47½'W. In both of these areas, thicker coal seams were apparent. Any drilling would probably be best done in late fall when the creek is low:

G.A. Noel

Vancouver, B.C.