

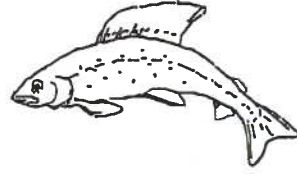
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f.k.: S03L1-015
S03L1-016
S03A-007
S03A-008



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Fish Habitat Management
Suite 101, 5204 - 50th Avenue
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November 21, 2003

FAX

TO/A:

David Calvert
Apache Canada Ltd.
1000, 700-9th Ave SW
Calgary, AB
T2P 3V4

(403) 261-1208

Cc:

Edna Tobac- SLWB
Steve Deschene- INAC
Mike Fournier- EC
John Korec/ Mieke Vander Valk- NEB
DFO File No. SC03087

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MESSAGE

- **RE: Apache Canada Ltd. Land Use Permit Application S03A-007, Water Licence Application S03L1-015, Proposed Lac Maunoir Winter Drilling Program- DFO Request for Additional Information**

FROM/DE:

Bruce Hanna
Habitat Biologist
Western Arctic Area

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X1A 1E2Your file *Votre référence*Our file *Notre référence*
SC03087

November 21, 2003

Apache Canada Ltd.
1000, 700-9th Ave S.W
Calgary, Alberta
T2P 3V4Attention: David Calvert**RE: Apache Canada Ltd. Land Use Permit Application S03A-007, Water Licence Application S03L1-015, Proposed Lac Maunoir Winter Drilling Program- DFO Request for Additional Information**

Dear Mr. Calvert:

The Department of Fisheries and Oceans, Fish Habitat Management – Western Arctic Area (DFO) has received your project description. I have reviewed the proposal as part of the MVRMA preliminary screening of the project. Some clarification regarding water sources is required in order for DFO to complete the assessment of the land use permit and water licence applications.

It is my understanding from the information provided that the total estimated water requirements for the program are as follows: 7600 m³ for access construction, 1000 m³ for drilling, and a potable water supply of 5 m³ per day for camp use. Eleven unnamed lakes were surveyed as potential water sources and ten of these have been selected to supply water for the program. **Several questions arise from the water source information that has been submitted. Please provide the information requested below to DFO as soon as possible.**

1. Colville Lake and Lac Belot are large lakes that could be used as water sources at the beginning of the proposed access. Colville Lake is accessible by the winter road and Lac Belot is accessible by an existing outline. Both are closer than Lake 2 which is the first identified water source to be used. **Why are Colville Lake and Lac Belot not being used as water sources?**
2. Lac Maunoir is also a large lake, is accessible by the same existing seismic line that is being proposed as access, and is a shorter distance to wellsite L-80 than Lake 11 which is stated to be the water source for access construction and drilling operations on L-80. **Why is Lac Maunoir not being used as a water source?**
3. According to Table 1, page 3 of Appendix 1-C, Lake 4 has an area of 3,698,990 m² and Lake 6 has an area of 9,183,686 m². However, on the Maunoir Ridge EL399 Program Map Lake 4 is much larger than Lake 6. **Please explain this discrepancy.**

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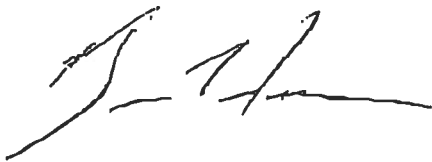
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4. According to Table 1, page 3 of Appendix 1-C, Lake 7 has an available water volume (5%) of 232.33 m³, however the water budget for Lake 7 is listed as 300 m³. Please explain.
5. There are discrepancies between maximum depth information in Table 1, page 3 of Appendix 1-C and the associated bathymetric maps and cross sections. For example: Lake 4 is stated to have a maximum depth of 3.95 metres yet the deepest depth contour on the bathymetric map is 1.5 metres. Lake 9 is stated to have a maximum depth of 12.20 metres, however the cross sections do not show a depth of greater than 8 metres.
- Note:** This also occurs with Lake 14 in the Nogha/Tunago Drilling Program application: maximum depth is stated as 12.61 metres and there is a 12 metre contour level in the bathymetric map, however in the cross sections the maximum depth recorded is approximately 8.5 metres).

How were these maximum depths determined if they do not show up on the transects? Please clarify as the contradictions put the calculated water volumes into question.

If you have any questions, please contact me at (867) 669-4931 or Pete Cott at (867) 777-7520.



Bruce Hanna
Habitat Biologist
Fish Habitat Management
Department of Fisheries and Oceans- Western Arctic Area

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