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Yellowknife, NWT  
X1A 1E2  
Fax #: (867) 669-4940

Page 1 of 3

Date: October 2, 2000

**TO/A:**

<b>Name</b> Nom	Janpeter Lennie-Misgeld
<b>Organization/Company</b> Organisation/Compagnie	MVLWB
<b>Telephone Number</b> Numéro de téléphone	(867) 669-0506
<b>Facsimile Number</b> Numéro de téléphone	(867) 873-6610

**MESSAGE**

Peter,

Please find DFO comments on Paramount's Cameron Hills drilling program.

-Karen.

**MacKenzie Valley Land  
& Water Board**

**File** \_\_\_\_\_

OCT 03 2000

MV2000L1-0009

Application # MV2000A0041

Copied To KL [redacted] Reg

**FROM/DE:**

<b>Name</b> Nom	Karen Ditz Area Habitat Biologist
<b>Telephone Number</b> Numéro de téléphone	(867) 669-4912



Fisheries  
And Oceans

Pêches  
et Océans

Fish Habitat Management  
Suite 101, 5204 50<sup>th</sup> Avenue  
Yellowknife, NT  
X1A 1E2

Our file Notre référence  
SC00051

Ph: (867) 669-4912  
Fax: (867) 669-4941

October 2, 2000

Janpeter Lennie-Misgeld  
Regulatory Officer  
Mackenzie Valley Land & Water Board  
P.O. Box 2130  
Yellowknife, NT  
X1A 2P6

**RE: Paramount Resources Limited  
Cameron Hills Area Winter Drilling Program, Fort Liard, NT  
Land Use Permit MV2000A0041, Water Licence MV2000L1-0009**

On behalf of Fisheries and Oceans Canada – Fish Habitat Management (DFO-FHM), I have reviewed the information submitted with the above proposal.

Under Sections 124 and 125 of the Mackenzie Valley Resource Management Act (MVRMA), DFO-FHM is participating in a preliminary screening by providing specialist information and/or advice. DFO-FHM's assessment takes into consideration primarily fish and fish habitat related concerns.

On the basis of the information provided, DFO-FHM has determined that the above project may result in the harmful alteration, disruption or destruction of fish habitat pursuant to the Fisheries Act. In addition to the measures set out in the project proposal, the mitigation measures outlined in the attached Letter of Advice, issued to the proponent, is intended to prevent any potentially harmful impacts to fish and fish habitat. This Letter of Advice should also be considered specialist information and/or advice for the purposes of a MVRMA screening.

If you have any questions, concerns or comments with respect to the above, please contact me at (867) 669-4912 or Kelly Withers at (867) 669-4916.

Sincerely,

Karen Ditz  
Area Habitat Biologist



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October 2, 2000

Shirley Maaskant  
Paramount Resources Ltd.  
4700 Bankers Hall West  
888 - 3<sup>rd</sup> Street SW  
Calgary, Alberta  
T2P 5C5

**RE: Paramount's Cameron Hills Winter Drilling Program**

On behalf of Fisheries and Oceans Canada – Fish Habitat Management (DFO-FHM), I have reviewed the information submitted to the Mackenzie Valley Land & Water Board for the above proposed activities. DFO-FHM's assessment takes into consideration primarily fish and fish habitat related concerns.

On the basis of the information provided, DFO-FHM has determined that the above project may result in the harmful alteration, disruption or destruction of fish habitat pursuant to Subsection 35(1) of the Fisheries Act. However, the following mitigation measures are intended to prevent any potentially harmful impacts to fish and fish habitat:

1. DFO-FHM recommends that mechanized clearing not be permitted within thirty (30) metres of the normal high water mark of any water course or water body.
2. The deposition of slash, debris or sediment into any water body is prohibited. These materials shall be disposed of above the high water mark in such a fashion that they do not enter any water course or water body.
3. Every effort should be taken to maintain a vegetative mat adjacent to watercourses. Where soils are disturbed, erosion control measures should be implemented such as earth breaks, cross-ditches and reseeded, slash bundles, willow staking, etc.
4. No instream construction or disturbance of the stream bed or banks of any definable watercourse should be conducted.
5. Should any inadvertent damage to stream beds or banks occur, DFO should be contacted immediately in order to concur any remediation.
6. The use of material other than ice or snow to construct a temporary crossing over any ice-covered stream is prohibited under Section 11 of the Northwest Territories Fishery Regulations unless authorized by a Fishery Officer.
7. Ice or snow crossings should not impede the flow of any watercourse.
8. All winter crossings should be removed or v-notched prior to spring breakup.

9. No drilling should be done within thirty (30) metres of the high water mark of any open water body or open watercourse.
10. All drill cuttings and associated wastes should be disposed of in such a manner that they do not enter fish habitat and/or water frequented by fish.
11. Paramount has proposed an approximate drawdown of water source lake to be 2 cm. DFO-FHM finds this acceptable. Fish presence/absence should be confirmed for this water source if it is to be used in subsequent years. DFO-FHM does not recommend the use of non-frozen streams as a water source.
12. All water intakes will be properly screened as to prevent the entrainment of fish in accordance with DFO's *Freshwater Intake End-of-Pipe Fish Screen Guideline*.
13. DFO-FHM recommends that all sumps, wastes, sewage containments and fuel caches be located a minimum of thirty (30) metres from the normal high water mark of any water body, and be sufficiently bermed or otherwise contained to ensure that these substances do not enter any water body.
14. Vehicular refueling should not occur within thirty (30) metres of any water body or watercourse.
15. All spills of oil, fuel, or other deleterious material shall be reported immediately to the 24-Hour Spill Line at (867) 920-8130.

Please note that none of the foregoing should be taken as authorization of the undertaking in accordance with the Fisheries Act or any other applicable legislation and does not release the proponent of the responsibility for obtaining any other permits that may be required.

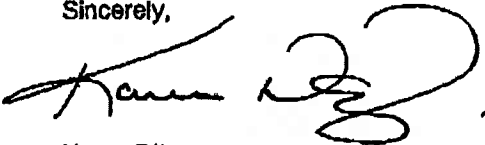
DFO-FHM should be notified of any changes in plans or operating conditions and will be subject to approval in writing by DFO-FHM.

If the harmful alteration, disruption, or destruction of fish habitat, and/or the deposit of deleterious substances into fish bearing waters occurs as a result of a change in the plans for the proposed works or failure to implement the mitigation measures specified above, prosecution under the Fisheries Act may be initiated.

Please note that this Letter of Advice shall apply during the period of the proposed activities for the term of the Land Use Permit and Water Licence if issued.

If you have any questions, concerns or comments with respect to the above, please contact me at (867) 669-4912 or Kelly Withers at (867) 669-4916.

Sincerely,



Karen Ditz  
Area Habitat Biologist

c: Janpeter Lennie-Misgeld, Mackenzie Valley Land & Water Board  
John Korec, National Energy Board  
Peter Cott, Arctic Habitat Coordinator, DFO  
Neil Robinson, Conservation & Protection, DFO