

Water Resources Department

MEMO

October 26, 1998

TO Application G-14842

FROM GW: Michael Zwart  
(Reviewer's Name)

SUBJECT Scenic Waterway Interference Evaluation

Yes  
 No The source of appropriation is within or above a Scenic Waterway.

Yes  
 No Use the Scenic Waterway condition (Condition 7J).

PREPONDERANCE OF EVIDENCE FINDING: (Check box only if statement is true)

At this time the Department is unable to find that there is a preponderance of evidence that the proposed use of ground water will measurably reduce the surface water flows necessary to maintain the free-flowing character of a scenic waterway in quantities necessary for recreation, fish and wildlife.

FLOW REDUCTION: (To be filled out only if Preponderance of Evidence box is not checked)

Exercise of this permit is calculated to reduce monthly flows in \_\_\_\_\_ Scenic Waterway by the following amounts expressed as a proportion of the consumptive use by which surface water flow is reduced.

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

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**OREGON WATER RESOURCES DEPARTMENT  
INTEROFFICE MEMO**

To: Groundwater files Date: October 26, 1998  
From: Michael J. Zwart  
Subject: Application Review: G-14842, Lester L. Hall

This application proposes to use about 41 gpm from a well for supplemental irrigation of 7.3 acres. The well is reportedly 98 feet deep and likely penetrates an unconfined to weakly semiconfined aquifer developed in sand and gravel below an estimated depth of 47 feet. No well log is apparently available.

The well is about 700 feet from the Hudson Bay Canal and about 600 feet from another canal, possibly the Pleasant View Canal. The aquifer penetrated is likely in hydraulic connection with the canals, but at a distance greater than one-quarter mile, rather than at the nearby reaches, based on water-level data. There is no potential for substantial interference with the surface water sources, based only on the distance where hydraulic connection is likely.

I recommend permit condition 7B.

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TO: Water Rights Section Oct 26, 1998  
FROM: Groundwater/Hydrology Section Michael Zwart  
SUBJECT: Application G- 14842 Reviewer's Name

**GROUNDWATER/SURFACE WATER CONSIDERATIONS**

- 1. PER THE \_\_\_\_\_ Basin rules, one or more of the proposed POA's is/is not within \_\_\_\_\_ feet/mile of a surface water source ( \_\_\_\_\_ ) and taps a groundwater source hydraulically connected to the surface water.
  
- 2. BASED UPON OAR 690-09 currently in effect, I have determined that the proposed groundwater use
  - a. \_\_\_ will, or \_\_\_\_\_ have the potential for substantial interference with the nearest
  - b. \_\_\_ will not \_\_\_\_\_ surface water source, namely \_\_\_\_\_; or
  - c.  will if properly conditioned, adequately protect the surface water from interference:
    - i.  The permit should contain condition #(s) 7B;
    - ii. \_\_\_ The permit should contain special condition(s) as indicated in "Remarks" below;
    - iii. \_\_\_ The permit should be conditioned as indicated in item 4 below; or
  - d. \_\_\_ will, with well reconstruction, adequately protect the surface from substantial interference.

**GROUNDWATER AVAILABILITY CONSIDERATIONS**

- 3. BASED UPON available data, I have determined that groundwater for the proposed use
  - a. \_\_\_ will, or \_\_\_\_\_ likely be available in the amounts requested without injury to prior rights
  - b. \_\_\_ will not \_\_\_\_\_ and/or within the capacity of the resource; or
  - c.  will if properly conditioned, avoid injury to existing rights or to the groundwater resource:
    - i.  The permit should contain condition #(s) 7B;
    - ii. \_\_\_ The permit should contain special condition(s) as indicated in "Remarks" below;
    - iii. \_\_\_ The permit should be conditioned as indicated in item 4 below; or
  
- 4.
  - a. \_\_\_ THE PERMIT should allow groundwater production from no deeper than \_\_\_\_\_ ft. below land surface;
  - b. \_\_\_ The permit should allow groundwater production from no shallower than \_\_\_\_\_ ft. below land surface;
  - c. \_\_\_ The permit should allow groundwater production only from the \_\_\_\_\_ groundwater reservoir between approximately \_\_\_\_\_ ft. and \_\_\_\_\_ ft. below land surface;
  - d. \_\_\_ Well reconstruction is necessary to accomplish one or more of the above conditions.
  - e. \_\_\_ One or more POA's commingle 2 or more sources of water. The applicant must select one source of water per POA and specify the proportion of water to be produced from each source.

REMARKS: \_\_\_\_\_  
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(Well Construction Considerations on Reverse Side)

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Permit No. \_\_\_\_\_