

# DEQ DIVISION 33 APPLICATION REVIEW SHEET

Recommendations for Water Right Applications that may affect the  
Habitat of Sensitive, Threatened or Endangered Fish Species, OAR 690-33-310 through 340.

Application #: S 88031 Applicant's Name: Russel, Henry & Hackler, Debbie

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1) Is there a connection to a 303(d) listed water quality limited water body?  NO  YES

Explain: The North Umpqua River is 303(d) listed for temperature and dissolved oxygen impairments (spawning season; September 1-June 15); TMDLs have been issued for impairments during the non-spawning period. Flow & temperatures in the mainstem are affected in part by hydropower operations. The natural thermal potential temperature exceeds the numeric criterion (16°C) so there is no assimilative capacity for the North Umpqua River below Steamboat Creek. Besides the human use allowance, all sources are allocated zero heat loads above background.

2) What is the potential for this use to impact a water quality limited water body:  HIGH  MEDIUM  LOW

Explain: Thermal impacts assessment by DEQ indicates that a 0.01 cfs withdrawal on the North Umpqua river (for year round domestic use expanded for one household) at existing flow volumes would not produce measurable negative thermal impacts. However, the cumulative impacts of numerous small withdrawals will eventually be measurable, so water conservation measures are encouraged during low flow periods.

3) If the answer to question (2) is HIGH or MEDIUM, will the proposed use still result in diminution of water quality for the habitat of sensitive, threatened, or endangered fish species?  NO  YES

If YES, how?

4) Can conditions be applied to mitigate the impact of the use?

NO  YES; recommend from Menu of Conditions and skip to question 7. b57

5) If conditions cannot be identified to offset impacts, would the proposed use affect the Habitat of Sensitive, Threatened, or Endangered Fish Species?  NO  YES

If YES, please explain:

6) If a permit is issued, are there any conditions you would like to see included in the permit?  
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7) Your recommendation under OAR 690-033-0330 (2):  Approval with conditions  
 Approval without conditions  
 Denial

DEQ Representative signature: R. David Waltz  Date: 02/19/2015

WRD Contact: Caseworker: Kerri Cope Water Rights Division, 503-986-0900 / Fax 503-986-0901