

MEMORANDUM

August 11, 2003

To: Jeff Peppersack
Reviewed by: Garth Newton 
From: Shane Bendixsen
Subject: ~~Transfer 70627, Bybee~~
70904

It is my understanding this transfer involves moving one ground water right to two different areas. One is within the ESPA model boundary and the other is outside the ESPA model boundary. Questions have only been asked about the transfer outside the ESPA boundary which involves transferring 13 acre-feet from T07N, R35E sec 36 (near Mud Lake) to T13N, R42E sec 24 (near Island Park Reservoir) for use in a pond (see Attachment). The following is a brief hydrologic review concerning only that portion of the transfer.

In the memo dated July 10, 2003 from Jeff Peppersack, I concur the applicant did not provide information regarding the historical use and should be required to submit documentation concerning when and how the water was used.

Summing the effect of the transfer for all four reaches of the Snake River and using the Jenkins Method does not seem appropriate, especially for this transfer. All water in the Upper Henrys Fork Basin is discharged through the Henrys Fork (Whitehead, 1978). Underflow into the ESRP is considered negligible to non-existent. Therefore the only reach to have a negative impact due to the transfer would be the Henrys Fork. The other three reaches should all gain.

The transfer also involves moving from a trust to a non-trust area. Flow at Milner will be reduced by approximately 13 acre-feet per year.

In closing, the effects of the transfer can be approximated using the current IDWR model and the effects.xls spreadsheet. Summing the effects is not necessary.

SCANNED
AUG 26 2003