

MEMORANDUM

Date: July 7, 2009
To: Water Right File(s) 74-2320 and 74-15190
From: Aaron Marshall
Re: Water Supply Bank Rental

Pursuant to the stipulated agreement, certified June 30, 2009, between the Idaho Water Resource Board and Robert L. Harris (representing James Whittaker), a rental agreement can be executed for 2009 for instream flow in the Lemhi River.

Water rights 74-2320 and 74-15190 apparently overlap on the 26.5 acres of land idled for the Water Supply Bank lease. There is no annual volume limit listed on these rights. In the Lemhi River basin, the standard field headgate requirement is 3.5 acre-feet per acre while the standard consumptive irrigation requirement is 2.5 acre-feet per acre. The irrigation season authorized by these rights is from March 15 through November 15, a period of 246 days. The rental period is from June 1 through November 15, a period of 168 days. Based on the consumptive irrigation requirement, the portions of these rights leased to the Bank could provide up 66.25 acre-feet per year ($26.5 \text{ ac} \times 2.5 \text{ af/ac}$) over the entire irrigation season. However, due to the reduced season of use, the volume of water available under this rental is 45.2 acre-feet ($66.25 \text{ af} \times (168 \text{ days} / 246 \text{ days})$). This volume of water can provide a continuous flow rate of approximately 0.14 cfs ($45.2 \text{ af} / 1.9835 \text{ af/day/cfs} / 168 \text{ days}$) from June 1 to November 15. Based on the standard field headgate requirement, the total volume of water that will be rented during the abbreviated season of use is 63.3 af ($45.2 \text{ af} \times (3.5 \text{ af/ac} / 2.5 \text{ af/ac})$). The delivery of water under the rental will be limited to the consumptive portion from June 1 to November 15; 0.14 cfs and 45.2 af.