

MEMORANDUM

Date: June 8, 2004

To: Sagewillow Transfer File 4221 - 4227

From: Jeff Peppersack

Re: Conversation with Kent Foster Regarding Winter Flow Capacity Under 33-2133

Kent Foster replied to IDWR's request for information regarding flow capacity from the Little Lost diversions under right 33-2133. He spoke with Rick Pancheri regarding the use from the Little Lost. In summary, the actual recent use from the Little Lost is limited to one headgate and has not been used much due to freezing and silting problems associated with the diversion. Kent indicated that it is unlikely that the Little Lost diversion will get much use due to the problems. Actual diversion capacity is unknown, but historically, the entire flow from the Little Lost River was inadvertently diverted to the ditch due to a beaver dam backing up the river into the diversion.

The diversion from Big Spring Creek is the main diversion for the water right with a pipeline capacity of 3.71 cfs. The capacity was measured by Brockway Engineering on October 20, 1995. Diversion from Big Spring Creek could provide up to 1111.5 afa if diverted continuously during the period 11/1 to 4/1 ($3.71 \times 1.984 \times 151$). Kent Foster indicated that it would be acceptable to limit the diversion from the Little Lost River to the continuous rate that could provide the balance of the authorized volume. That rate would be 6.17 cfs $[(2960 - 1111.5)/151/1.984]$.

Using these numbers, the total diversion capacity under right 33-2133 is 9.88 cfs.