

MEMORANDUM

Date: July 16, 2012
To: Water Right File 57-7552
From: Craig Saxton
Re: Diversion Rate

- No combined use limit for diversion rate is needed because the sum of the diversion rate for the overlapping rights does not exceed 1 inch per acre on the POU. 57-7552 is for 1.6 cfs and 57-7117 is for 4.88 cfs which totals 6.48 cfs. The combined acre limit for 57-7117 and 57-7552 is 332 acres. 332 acres * 0.02 cfs per acre = 6.64 cfs.
- The combined annual volume limit for irrigation was calculated as follows: 332 acres * 4.5 af/acre = 1494 AF.
- Confirmed with field examiner that during the authorized development period, the irrigation storage included multiple refills when the pond was drawn down or drained. Recommend the permitted volume for irrigation from storage of 26 AF which would provide for just over 4 refills.
- Volume for Stockwater Storage accounted for in the Irrigation Storage volume. Irrigation Storage allows for multiple refills. The Maximum diversion volume limit was calculated as follows:

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>DIVERSION VOLUME</u>
IRRIGATION	03/15 to 11/15	1.60 CFS	716 AF
IRRIGATION STORAGE	01/01 to 12/31		26.0 AF
IRRIGATION FROM STORAGE	03/15 to 11/15		26.0 AF
			Total = 26.0 AF
STOCKWATER	01/01 to 12/31	0.09 CFS	5.4 AF
STOCKWATER STORAGE	01/01 to 12/31		5.4 AF
STOCKWATER FROM STORAGE	01/01 to 12/31		5.4 AF
			Total = 10.8 AF
<u>DIVERSION TO STORAGE</u>	01/01 to 12/31	1.60 CFS	
			Total = 753 AF