

MEMORANDUM

To: Water Right File No. 36-8789
From: Aaron Marshall
Date: December 4, 2007
Re: License Processing

Permit condition of approval no. 3 states, "This right does not authorize the irrigation of lands not previously irrigated."

Therefore, the maximum acreage that can be licensed is an amount up to that which was permitted in each quarter-quarter.

During the field examination, I found 5.9 acres irrigated in the NE $\frac{1}{4}$ NW $\frac{1}{4}$ of section 33 and 6.1 acres irrigated in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ under the terms and conditions of the permit.

I also found approximately 5.7 acres irrigated in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of section 33 from the same point of diversion and through the same conveyance system. There was no evidence of irrigation on this land prior to issuance of the permit so the land was not listed on the permit and it should not be included on the license.

The total irrigated acreage in compliance with the terms and conditions of the permit is 12.0 acres. The standard field headgate requirement for the area is 4.0 acre-feet per acre per year. Thus, the maximum diversion volume is 48.0 acre-feet per year (12.0 x 4.0).

A discharge measurement at the place of use resulted in a total of 0.39 cfs. Since this amount is less than permitted and has been beneficially used, the license reflects 0.39 cfs as the maximum diversion rate.