

MEMORANDUM

Date: June 10, 2008
To: Water Right File 22-7144
From: Aaron Marshall
Re: Licensing Review

Water right permit no. 22-7144 was approved July 30, 1975, and proof of beneficial use was submitted June 26, 1985, thereby ending the authorized development period. Examination fee information submitted to the Department on March 17, 1987, indicates the extent of use developed at that time was 135 acres.

Water right no. 22-7144 was recommended by the field examiner for 1.66 cfs and 554.8 AFA from ground water for irrigation of 158.5 acres. This recommendation appears to be based on the examinations completed in 1995 and 2000. At that time, Landsat imagery indicates that approximately 135 acres were irrigated with a pivot sprinkler while the corners were irrigated with an end gun and handlines.

The attached map includes Landsat imagery taken July 22, 1988, and is the most definitive evidence showing the extent of irrigation nearest in time to the authorized development period, 1975 to 1985. The imagery clearly indicates the irrigation of lands authorized by this permit was limited to 135 acres under the pivot sprinkler. The field examiner described the pivot sprinkler as requiring approximately 800 gallons per minute, or 1.78 cfs. The source of water for this right is ground water diverted from a well with a capacity of 6.70 cfs. The well is also the point of diversion for 22-7143, 22-7145, and 22-7146. The license should be issued at a rate of 1.78 cfs with a combined rate limit of 6.70 cfs and an annual volume limit of 472.5 acre-feet (135 acre-feet x 3.5 acre-feet per acre) for the irrigation of 135 acres.

Overlapping surface water rights, 22-251 and 22-252, were claimed in the SRBA and were recommended as disallowed due to non-use since 1980. There are currently no objections to those claims. Therefore, water right no. 22-7143 should be licensed as a primary right not supplemental to surface water rights.

A licensing amendment will be necessary to accurately reflect the location of the point of diversion as it was developed.

