

MEMORANDUM

To: Sean Vincent – Hydrology Section Manager

From: Monica Van Bussum – Water Supply Bank Coordinator

Date: January 23, 2012

Re: Review of Lee Sutton Application to Rent Water from the Water Supply Bank

I am seeking some input on a pending Water Supply Bank rental application and hope your team can help. I spoke with Jeff Peppersack earlier today and he suggested I write a memo detailing the current situation and asking, not for a full analysis, but for an initial assessment of potential impacts from approving this application as proposed here.

On December 12, 2011, the Department received an application to rent water from the State Water Supply Bank from Lee Sutton. The application proposes to rent enough water to irrigate 87 acres from 2012 through 2015 in Township 4 North, Range 40 East, Section 3 in the following 40-acre tracts:

- NENE – 32 acres
- NWNE – 36 acres
- SWNE – 2 acres
- NENW – 7 acres
- NWSE – 10 acres

The applicant proposes to use ground water to irrigate the acres, with a proposed point of diversion in Township 4 North, Range 40 East, Section 2 NWSESW.

A review of rights available from the State Water Supply Bank indicates the proportions of the following rights are available:

- 22-7336 – 69.5 acres, 1.39 cfs, 243.2 AF annually
- 22-13994 – 17.5 acres, 0.32 cfs, 61.3 AF annually

A check of administrative areas indicates all the wells are located within the ESPA model grid. However, at this point the situation becomes a little more complicated. The POD for water right 22-13994 lies in Row 77, Column 208, in the ESPA model grid, but this location is 13 miles east of the smoothed model grid, well outside the model area. Additionally, the POD for water right 22-13994 is 28 miles northeast of the proposed rental POD.

The model grid location for 22-7336 is Row 61, Column 184. The model grid location for the proposed rental's POD is Row 68, Column 181. Both these locations are well inside both the model grid and the smoothed model boundary.

I look forward to talking with you more about this and to see if your group can offer an assessment.