

Edl, Michele

From: McVay, Michael
Sent: Tuesday, November 05, 2013 9:54 AM
To: Edl, Michele
Subject: RE: recharge water right 37-7842

Hi Michelle,

Fortunately for us, we have already modeled recharge at the Shoshone site in an effort to prioritize recharge locations. Part of the analysis entailed investigating the capacity to deliver water to the site and how much the site can infiltrate. I've listed the recharge capacities and how we obtained the information below:

- **Diversion Capacity:** This is the ability to get water to the site. This number was derived by looking at past recharge effort at the site. The maximum amount of water successfully delivered to the Shoshone recharge site was 19,900 AF/month ($19,900/30.5 = 652 \text{ Af/day}$).
- **Infiltration Capacity:** This is the ability of the site to infiltrate water. Based on conversations with the canal manager, the maximum infiltration rate is 21,200 AF/month (**695 AF/day**).
- **Groundwater Capacity:** This is the assessment of "enough room" for recharge. This is based on depth to groundwater and considers if the recharge will immediately return to the surface-water system, or threaten infrastructure. Due to relatively deep groundwater, the site can take **656 AF/day**.
- **Recharge you are assessing:** In your email you asked if 300 cfs for 21 days is reasonable for recharge. Converting 300 cfs into AF/day is **595 AF/day**.

Therefore, it appears that the 300 cfs applied over 21 days is reasonable. Please feel free to contact me for more information, or if you have any questions about the data.

Best regards,

Mike

From: Edl, Michele
Sent: Sunday, October 27, 2013 7:08 PM
To: McVay, Michael
Subject: recharge water right 37-7842

Mike,

Of my many assignments is one to issue a license for water right 37-7842 which is currently held by the IWRB. It has a colorful past but proof was submitted in the 1990s for 300 cfs put to use as recharge. I was paying attention during your talk last Tuesday, but I am gonna need your help with confirming the quantity of beneficial use.

The place of use is Tsp 5S 17E sec 22 or ESPAM grid cells R 42 C 39 and R 42 C 38. The site would probably be in your Lower Snake River recharge unit.

Water from the Big Wood and Little Wood were being comingled with a little water from the Snake but it was all conveyed to this location through the Milner-Gooding canal.

The event occurred from April 7 – 30, 1986.

My question: Is 21 days of 300 cfs dumped at this location recharge?

Thanks
Michele