

Memo

Date: September 26, 2012

To: Dennis Owsley

From: Craig L. Saxton

Re: Permit 84-7209

Here are some thoughts after reviewing the file. First thought is this is a complicated overlap your first cut at it was really good. You recognized the need for some combined use conditions that aren't so easy to spot.

POU:

In the description of how you verified the POU, I would mention that 1993 LandSat photography supports irrigation of the field. However the resolution is very large so it is hard to tell for sure. ✓

Overlap:

Are the 4 acres of irrigation authorized by 84-10194 (Unnamed Lake) part of the 20 acres identified for 84-7209? The shapefiles indicate that they are for two different places of use. If they are two different places of use meaning between the two rights he can irrigate 24 acres, then we don't need condition X31 that is currently on the draft license. ✓

Since 84-10197 provides domestic use with an earlier priority date, so in most cases, there wouldn't be any benefit to keeping domestic use on 84-7209. However, it appears that permit 84-7209 uses a different POD than 84-10197, so the benefit to retain the domestic use could be to have flexibility with points of diversion, however, we will need to add a combined use limit:

071 (Modified): The domestic use authorized under **84-7209 and 84-10197** this right shall not exceed 13,000 gallons per day **and 1 per home.** ✓

Not quite the same situation with the stock portion since 84-7209 provides a greater diversion rate than 84-10197. I think we need to limit the stockwater use of both rights to the diversion rate of 84-7209 (0.11 cfs)

X35 (Modified): Rights **84-7209 and 84-10197** when combined shall not exceed a total diversion rate of **0.11 cfs for stockwater purposes,** ~~a total annual maximum diversion volume of <480.0>~~ **af at the field headgate, and the irrigation of <200> acres.** ✓

Data Entry:

On the "Water Use" tab in Adhoc, we need to update the volume for each use. We also need to enter in the "Overall Annual Volume" and the Generic Diversion Rate (0.02 cfs) and Generic Volume (3.5 af) per acre.

Cannot add a combined use limit for commercial volume for 84-7209 and 84-10194 because 84-10194 doesn't have a volume limit. If we add a combined use limit, we will be adding a restriction to 84-10194 that wasn't previously there. Need to delete **X03** and add another X35:

X35 (Modified): Rights **84-7209** and **84-10194** when combined shall not exceed a total diversion rate of **0.02 cfs for commercial purposes**, a total annual maximum diversion volume of ~~<480.0>~~ **af at the field headgate, and the irrigation of <200> acres.** ✓

Volume Summary:

Stock	6.7
Com	6.7
Total:	6.7



Stock/Com	6.7
Irr	70
Dom	0.6
Total	77.3

