

MEMORANDUM

Date: November 30, 2011
To: Water Right File 29-13784
From: medl
Re: irrigation volume

The permit holders have asked questions about the acreage limit that I expect to put on the license. The field examiner reported that he found 0.25 acre but did not designate where. My initial volume calculations were based on 0.25 acre of irrigation.

I discussed the 0.25 acre limit with my supervisor today. The permit allowed 0.5 acre irrigation within each platted subdivision lot. The campground place-of-use has not been platted as a subdivision and it could be thought of as a single parcel.

The Department is comfortable issuing a license for domestic use to include a 0.5 acre of irrigation within the campground place-of-use.

I have revised my calculation of a volume for the license.

Parameters for RV use: 50 gal/person/per day; 3 persons/RV; 6 RVs

The calculation is: $50 \times 3 \times 6 = 900$ gal/day or 0.0027 af/day

I am recommending 200 days of occupation which makes the volume: $0.0027 \times 200 = 0.54$ AFA

Parameters for the domestic irrigation: 3.5 headgate requirement; 0.5 acre

The calculation is $0.5 \times 3.5 = 1.75$ AFA

The total annual volume is $0.54 + 1.75 = 2.29$ AFA