

MEMORANDUM

Date: February 14, 2013
To: Water Right File 37-8493
From: cpalmer
Re: Licensing Memo

POU: The place of use is made-up of a network of two ponds within the Camas Prairie Centennial Marsh Wildlife Management Area. The POU is included in the newly formed Upper Wood River Water Measurement District. Pursuant to the order creating the district, the right holder has until 1/1/2013 to install measuring devices.

Beneficial Use Discrepancy: The field examiner recommended that the beneficial uses on this right be wildlife and wildlife storage. The permitted beneficial use is ambiguous; the application states wildlife habitat which may mean that this right is meant for flow through only. However, a letter dated 9/21/89 from the Department to the right holder interprets the permit to allow the filling, maintenance, and flow of water in the ponds. In addition, I spoke with Terry Gregory of Fish and Game on the phone and he told me that they use this right to keep the ponds full after the water available under right 37-8526 evaporates. There is no flow through the ponds. The water is diverted from the PD where it enters a network of channels and terminates at the last pond on the network, there is not an outlet on the last pond. The beneficial uses listed on this right will be wildlife storage and diversion to storage.

Diversion Rate: The field examiner found a diversion rate of 0.81 cfs. The diversion rate is within the permitted rate so the license will be issued with a rate of 0.81 cfs.

According to Terry, the longest that the wells have ever been diverted is May 1-August 1 or 93 days. When the well is pumping, it runs 24 hours a day.

Volume:

*Total Volume Available for 2 Ponds: $0.81 \text{ cfs} \times 1.9835 \times 93 \text{ days} = 149.4 \text{ af}$ or 149 af annually

*Amount of Water Required for Beneficial Use: $14.4 \text{ af capacity} + 13.7 \text{ af evap} = 28.1 \text{ af}$

*limited to the lesser value

No amendments are required. Adding diversion to storage to the beneficial use is simply clarifying what the application requested and the POU and PD are within the permitted parameters.

see 37-8514 for evap spreadsheet

→ $\left(\frac{578 \text{ mm}}{25.4} \right) / 12$ within season May-Nov

= $1.89 \text{ af} \times 7.2 \text{ acres} = 13.7 \text{ af}$

Legend

 Camas Ponds

The black lines represent water that is conveyed in pipes and the purple lines represent water that is conveyed through ditches. The schematic was provided by Terry Gregory. The map that was drawn as part of the field exam report was inaccurate in that all ponds, other than the two western ponds, are interconnected.

Water Rights for Camas Prairie Centennial Marsh

