

MEMORANDUM

Date: September 23, 2009
To: Transfer 70893
From: jstanton
Re: POD Check

At the request of Allen Merritt, yesterday I went to Cedar Draw to verify the point of diversion for both the irrigation right owned by the applicant and the fish right being transferred; if the transfer is approved, they will both be diverted at the same point. The recommended pod is supposedly based on gps data, but this does not agree with what ArcMap shows, so a site visit was the only way to be sure which is correct. I walked along the bank of the irrigation ditch from where it crosses the county road upstream to where it comes out of Cedar Draw, so there is no question that I found the correct pod. I used a Garmin gps unit with fully-charged batteries to determine the coordinates of this location, letting the unit run for some time in case there was trouble with the canyon walls blocking the signal. I also lined up the location with several land features that were clearly shown on the ArcMap photo that I had with me. There are no manmade diversion works in the stream; some natural bedrock features in the stream provide enough head to push water into the ditch, which has a control gate maybe 20 feet down the ditch to control the actual diversion rate.

The head of the ditch is clearly in the NW/SW/NE Sec. 14, but was recommended in the SW/SW/NE Sec. 14 (as it was claimed). Allen thinks that we can use this transfer to correct this error, and it is obvious that a correction is needed. I have no reason to believe that the pod has ever been anywhere but at its current location, as this appears to be the only site that would provide enough head to make the system work.