

MEMORANDUM

DATE: 8/23/02

FROM: Lori Graves

TO: 67A File

RE: Measuring Devices

I toured District 67A with Mike Bishop and Wayne Burkhardt on 7/19/02 to see the amount of progress the District has made regarding the installation of headgates and weirs on the ditch outlets. I then met Mike Bishop 8/22/02 to investigate pump diversions on the lower Little Weiser that also needed measuring devices installed. The following are the field findings from that visit.

1. Old USGS Gaging Station: Aka the beginning point of the District 67A. Nothing new. The gaging station is no longer maintained by USGS. Requires flowmeter measurement.
2. Richardson Ditch: Two lockable culvert headgates.
3. Richardson Ditch Measuring Point: 16" culvert, no weir. Requires flowmeter measurement.
4. Inlet Canal for Ben Ross Reservoir: 5' lockable headgate, no measuring device required because of season of use.
5. American/Lindsey Ditch: 5' lockable headgate
6. American Lindsey Measuring Point: 6' cipolletti weir. Water was backed up on the downstream side of the weir, limiting the air space under the over-falling sheet of water. Measurements may be inflated.
7. Greys Creek Ditch: 5' lockable headgate.
8. Greys Creek Ditch Measuring Point: 12' cipolletti weir. Great condition.
9. Stewart Ditch lockable headgate and 3' rectangular weir. Good condition.
10. Moritz Ditch lockable headgate and 2' cipolletti weir. Good condition.
11. South Ogle Ditch lockable headgate and 2' cipolletti weir. Completely submerged. Measurements will be inflated.
12. Underwood Ditch Diversion: Dam in River. Not accessible.
13. Underwood Ditch Submerged Orifice (also acts as offstream lockable headgate): Headgate needs to be behind the orifice to create a head differential. As is, the structure cannot be used as a measuring device per Robin Hadelor, NRCS, 549-4280. Warning letter sent 8/23/02.
14. North Ogle Ditch: Nothing installed. Requires flowmeter measurement.
15. Fall Creek re-diversion point on North Greys Creek: Lockable headgate and 3' cipolletti weir. Location of the weir is close to the headgate, which makes the weir pool questionable. Measurements may be deflated. Should compare to a flowmeter reading.
16. Schwenkfelder lockable headgate and 5' parshall flume: Measurable.

17. Wilkerson headgate. May not be lockable.
18. Wilkerson 4' parshall flume: Measurable.
19. Yager Ditch lockable headgate and 6' cipolletti weir. Weir submerged, measurements will be inflated.
 - A. Wilkerson Pump-50 hp Berkely located on Mickey/Wilkerson Ditch.
 - B. Gladhart Pump- 30 hp wastewater pump located adjacent to the Little Weiser River.
 - C. Wilkerson Pump: Diesel on Little Weiser River
 - D. Wilkerson Pump: Diesel on Little Weiser River.

