

A29-4101A, A29-10014 & A29-4103

Narrative by Cindy Bird

August 1, 2002



Photo 1. Walker Creek diversion.



Photo 2. Looking south at Marsh Creek diversion.

July 29, 2002 Jodeana Dunn accompanied me during the field exam. Jodeana is the granddaughter of George Henrich and the daughter of Keith Henrich. Jodeana and Cutis purchased the property from Keith in 1992.

Photo 1 is looking north at the Dunn's diversion works from Walker Creek. Once diverted it flows into a buried culvert in Charles & Joan Thomsen's yard. It then flows through a culvert under Marsh Creek road and flood irrigates their property east of Marsh Creek road through a series of ditches and portable dams. The irrigation ditches run north and south on the upper portion of land in the NESW of section 15.

The lower portion is flood irrigated out of the Staley-Gilbert ditch.

Photo 2 above shows the overgrown ditch described by Jodeana as their diversion from Marsh Creek for the lower 3 acres claimed in 29-4103. The land is flood irrigated from this ditch.

A 30-inch concrete culvert is installed in the ditch from Marsh Creek and had 14 inches of water flowing in the culvert. I used my Haestad program to calculate the diversion rate. Using the manning equation for a circular ditch, a coefficient for a weedy natural channel, 30 inch diameter and 14 inches of water the diversion rate was 1.66 cfs with slope of 0.001 ft/ft or 5.26 cfs for 0.01 ft/ft.

The piece of property claimed in 29-10014 and irrigated from Marsh Creek through the ditch also used by Grady Staley and DeMar Gilbert heads at Walker Creek about 15 feet before it flows into Marsh Creek.

On July 31, 2002 Rhonda Anthony accompanied me during the field exam for East Side Ditch Company. The point of diversion for the ditch company is the same ditch shown in photo 2. In 1989 the ditch company made repairs to the diversion works because the previous system was very unsafe. They got approval from the Army Corp. or Engineers to place large rocks in Marsh Creek (shown in photo 3) to back up the water and created a gentle fall to slow the creek down.

The file contains a letter from the Soil Conservationist in Pocatello to Keith Henrich on his soil type. The letter states that the soil is very porous and would require an addition 50% over the states standard of 1-inch per acre to property sustain a crop.



Diversion ditch

Photo 3. Looking southeasterly at Marsh Creek and the diversion ditch to East Side Ditch Company.