

**REYNOLDS CREEK DIST 57R
2016 WATER MASTER DIARY
CONNIE M BRANDAU**

March 1, 2016 – the annual water district meeting was held at 1:30 pm in Courtroom 2 at the Owyhee County courthouse in Murphy, Idaho. Present were; Richard Brandau, Chairman; Jerry Hoagland, Secretary; Connie Brandau, Treasurer; Patrick Kelly and Chad Jones, IDWR; Ron Rush, Kelly Clemens, Tristan Hook, Jackie Benson, Tom Benson, Theron Hook.

Water master compensation for 2016 season was set at \$70 per day and \$.55 per mile. Connie Brandau was elected water master with the understanding that Gary Penny would be her assistant, sharing the same compensation rates. The district budget was set at \$5,000 for 2016. Dean Young and Lou Sanchez were named as advisors.

March 3 – The 2016 57-R water bills went out in the mail. Unpaid past due accounts need to be paid prior to receipt of water:

Walter Smith (deceased) 2010-2015	\$115.92
J&M Cattle – retained part of property sold 2015	\$ 11.24
Ed Frisbie – sold to South Mountain Livestock 2015	\$ 25.00
Paul Jesenko – contiguous properties combined 2015	\$ 11.25

March 4, 2016 RID lateral is leaking across Wilson Cemetery Lane just above where it intersects with China Ditch Road. It is soaking through the ditch bank and creating a soft spot in a 40 to 50 foot section of the road on the Richard Brandau property. I called and left messages with the 57-R advisory committee (Lou Sanchez and Dean Young) and with RID secretary to see how they wanted to handle it.

March 5, 2016 RID lateral users had a track hoe on site by 10 am to make repairs on their lateral. I also showed them where their ditch was overflowing its banks because of willows that need cleaned out. Their ditch rider Chris Davis measured about 580 minors inches (10.6 CFS) over their submerged cipoletti weir. The ditch is overflowing and running through Richard Brandau's fields – both the Chimney Piece and the Stone Quarry. Chris and I pulled a board from the waste gate and shut the head gate down 10 turns to alleviate the pressure on the ditch banks while the ditch is being cleaned and repaired.

March 6, 2016 The RID lateral leak is worsening and the bottom has gone out of the road. In order to leave as much water as possible in the ditch, the parties have agreed that Mr. Brandau will move the access road on his property to the west and provide a culvert if RID will install and cover it.

March 7, 2016 Rich Brandau took a culvert and his dozer to the RID lateral ditch leak yesterday. I called Lou Sanchez at 3 pm to ask if they would be up today to set the culvert so Brandau can use the road or if he wants me to shut the water out of the ditch until they can get to it. He will call Dean Young to check with him and see when the track hoe will be available.

They got the culvert in this evening. There is still about 5-10 inches of water seeping out of the lateral.

March 8, 2016 Richard Brandau wants to start water today out of the RID lateral on the Stone Quarry piece. I made a courtesy call to RID lateral ditch rider Chris Davis.

May 8, 2016 Mother's Day – I called Gary Penny to see when he will be available to make a run up the creek. I called the advisory board to co-ordinate date for a system review. Unpaid water bills to date: Agenbroad Lateral, Jerry Benson (deceased), Jerry Muller (deceased).

May 14, 2016 Two patrons and Chris Davis, the ditch rider for West Reynolds and Reynolds Irrigation Districts, called me yesterday to say they've noticed that the creek had taken a "big drop" that day. Gary Penny and I made our first run of the year to check the creek today.

While out we met Tristan Hook at the West Reynolds diversion. He said they have had trouble with a beaver shutting them off at their head gate at night. Gary and I put their "stand pipe" in to be able to measure. RID has boards in their dam. We dropped their weir blade in. It now has a cipoletti weir blade with a four-foot crest instead of a 7-foot crest like the old one. There was no water being diverted by Daniel Richards in the Horse Pasture, but we did put the standpipe in at his other diversion. The Boise Trust ditch users had already put their weir blade in. There was not anything but stock water going to the Last Ditch diversion and it was too low to measure over their four-foot cipoletti blade.

We drove to Upper Reynolds and unloaded the side by side. It was not our intent to adjust any head gates today – just check diversions – so we started at the top of the watershed and worked our way down stream. Huff said they were not using water at the Dobson at this time. The High Ditch was running pressure. Jaca's had water in both their East and West ditches. The community Ditch was running pressure. The creek was to fast and fields to wet to get to the Ram Field diversion, so we estimated it through the pipes that were visible at the road crossings. The Bench Ditch was running at capacity. We saw Theron Hook and he said he would be shutting it off as soon as he was done with "this irrigating". Hoagland/Seven High was not taking anything at the Murphy Road Bridge or Pipe, but was catching a lot of wastewater so the ditch looked full below the ARS Quonset/ZX Road. ZX/John Romero was running pressure at his diversion below the barn. There was no water at the Packrat field.

The next diversion was Junayo's East Side. They had their head gate wide open taking the entire creek. It measured over 10 CFS. I decided at that time to set the head gate more appropriately and turned it down so it would run pressure and "tagged" it in case we didn't see anyone from the ranch today. Junayo's West Side diversion was running way too much water to accurately measure through their 1.5-foot Parshall flume. We saw Kelly moving cows and discussed the need to shut the head gates down to run pressure. He said the West Side head gate was also wide open. So we went back and shut it down to run pressure. They have a leak around their head works somewhere and it couldn't be shut off. It was still running about 2.5 CFS with lots of head pressure and only open about 2 inches. I let Kelly know.

Then we went to Mack's Creek. Kelly had said that there was no water coming into Mack's Creek, but they are irrigating out of it so we made no adjustment to the reservoir

at this time. We noted that the Mack's Creek Reservoir is full as is the East Side Reservoir. By reducing the flow at the East Side diversion it eliminated water flowing into the Goose Pond and East Side reservoirs, which should not be storing water after March 15th. By restricting Junayo's excessive diversion of water there should be irrigation water available to the more senior rights in the lower reach.

We drove on up to Cottle Creek. Benson's are still irrigating with a tiny bit of water. Murphy Creek and Farth Creek are still running a little (10-15 inches each) but those diversion ditches to the Boston place have "blown out" during past years and have not been repaired. Salmon Creek is running about 25-35 inches and the Boston place has water in the south ditch but only stock water in the north side ditch. After the Soda Fire it is very easy to see where the North Side bulkhead is, but we could not find a measuring device for the south ditch. It may have burned up in the fire. I need to find out whom to contact about water for the Boston place. Then we drove on up to Little Salmon and I showed Gary the approximate location of the storage permit application.

I took photos today. The Soda Fire burn allowed us to find the old weirs and bulkheads on the Salmon Creek drainages.

May 15, 2016 I made phone calls to Kelly Clemens/Junayo to let him know what we did yesterday. I went out to measure and adjust the lower reach to distribute water from our adjustments of Junayo head gates yesterday. I started calling to find out who is in charge of the Boston place water. Mrs. Dennis White will have their renter call me. Calvin Johnston is deceased and Matt Duckett of South Mountain Livestock is in charge of water on his place.

Yesterdays measurements were 26.56 cfs for the lower reach and 48.79 cfs for the upper reach, which should fill part way through the 1912 water rights. Some of the river pumps are already on for RID, West Reynolds, and Boise Trust to supplement available creek water.

May 16, 2016 Jason Miller called at 7:30 am. He has the Boston place leased this year. Chris Davis called. He would like more water in the RID lateral, if it is available, so they wouldn't have to turn on another pump. He said they would need about 300 inches (6 CFS) to avoid turning on a pump to get water from the river. I told him that, from what we measured on Saturday the 14th, if I am officially called on there would be NO water available for the RID lateral because of their junior priority dates. Brandau is also using out of that ditch (2 CFS W7 + 1.57 CFS Schuster place) and he just moved his water from the West side to the Chimney Field this morning.

May 17, 2016 Dean Young said RID turned a pump on for their high ditch and Adam Duckett said WR turned a pump on for the Last Ditch. Chris said if there was enough water, to leave about 100 inches coming down RID lateral. Brandau is also using out that ditch so there would need to be about 5 ¾ inches over the 4-foot cipoletti blade. The Last ditch users have not tightened up their diversion dam, so as the creek goes up and down there may occasionally be a small amount of water going past the highway to the river.

May 19, 2016 there is a 60% chance of rain today. It started about 8 am.

May 24, 2016 Chris Davis called. They have a permit to remove beaver from their diversion. Justin Webb will be trapping for them. The creek is down quite a bit today.

June 10, 2016 Gary called to ask if he should run the creek again. I told him yes and he will go out tomorrow.

June 11, 2016 Gary went out and measured today. He took pictures of Junayo's new bulkhead at the Mack's Creek diversion. He said there is a beaver dam in the ditch above the Ram Field weir. There is no water going through the West Reynolds head gate. The water in their ditch is wastewater off of Brandau's last field (under the big power line).

Chris Davis called to ask if there was any extra water for "the lower ditch". I told him that Gary was out measuring right then and I would call him back when I'd calculated the results of the measurements.

June 12, 2016 Gary brought his papers up this Saturday morning. He emailed photos of Mack's Creek weir to me for my water master file. I printed out 5 new measurement sheets for him. I went out to measure the lower reach this afternoon.

June 13, 2016 I spent the day researching information on the new type of weir in the Ram Field ditch. No one seems to know what kind or how to measure through it. I called Tony Richards who said that Tom Richards went through IDWR for approval for it and they had Rex Evans build it. But no one has given me the appropriate rating table for it. They all think that it is a "RAMPED BROAD CRESTED WEIR" and they think that it measures 3' x 3' but they aren't sure.


June 16, 2016 Tom Richards emailed the rating table for the Ramped Broad Crested Weir to me today. I need the next page of the table also because Gary measured more depth than their rating table calculated. So I can't calculate the 6/12/16 measurements until later.

June 17, 2016 I drove to Upper Reynolds to look at the new weir in the Ram Field ditch and took pictures and measured it – 3 feet across. There is a beaver dam just below the diversion inlet and another five foot high dam about 20 feet upstream from the weir. So I am not able to calculate velocity accurately until maintenance is done. I called Jerry Hoagland to let him know and also to tell him that the site from the head of the ditch to the weir is infested with Scotch Thistle.

June 18, 2016 I finally tracked down the type of weir the Ram Field ditch users installed. It is a broad crested weir. I got a virus on my computer trying to look up the calculation formula for that type of weir on IDWR web site link. I will have to take my computer in for repair.

January 15, 2016 I worked on the water master report for IDWR.

Respectfully submitted,



Connie M. Brandau, Water Master
Reynolds Creek Dist. 57R