



# Grant County **PUBLIC UTILITY DISTRICT**

## Priest Rapids Coordinating Committee

Monday, May 05, 2014  
Conference Call

### PRCC Members

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Scott Carlon/Bryan Nordlund, NMFS  
Bob Rose, YN  
Jeff Korth, C. Andonaegui, P. Verhey, WDFW  
Tom Dresser/Curt Dotson, GCPUD

Jim Craig, USFWS  
Kirk Truscott, CCT  
Tom Skiles, CTUIR  
Denny Rohr, Facilitator

### Attendees

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Scott Carlon/Bryan Nordlund, NMFS  
Jeff Korth, WDFW  
Bob Rose, YN  
Tom Skiles, CRITFC  
Tom Dresser/Curt Dotson, GCPUD  
Debbie Williams, GCPUD

Jim Craig, USFWS  
Kirk Truscott, CCT  
Steve Lewis, USFWS  
Mike Nicholls, GCPUD  
Mike Clement, GCPUD  
Denny Rohr, Facilitator

### Decision Summary:

1. PRCC members agreed that a rubber transition should not be installed to close the gap at this time, but may be discussed later with regards to lamprey passage.
2. PRCC members agreed to weld stainless steel flat plate across the bar grating on the Wanapum Right Bank Ladder. If modifications are successful, the Wanapum Left Bank Ladder will also be modified.
3. PRCC members agreed that 4' down the outside most flumes, a 1/8" thick, high porosity perforated plate with 1/4" holes be installed with silicon at the weir crest transition, so that any cut edges will be protected.
4. PRCC members agreed to install a lamprey approach on the left-bank Wanapum Fishway Exit Passage System.
5. PRCC members agreed to shut down the OLAFT from 2200 on May 5th till 0600 on May 7<sup>th</sup>, in order to install the OLAFT swing gate, as well as to pass fish that have passed the video fish count station, but not the OLAFT. Trap-n-Transport will not take place on May 6<sup>th</sup>.

### Distributed Items:

1. Left bank spiral flume diagram

## Action Items:

1. Dresser will verify how many acoustic and PIT-tagged fish have passed Rock Island Dam.

## Final Meeting Minutes

- I. Welcome and Introductions
- II. Agenda Review – No additions were made to the agenda.
- III. Update of Wanapum Dam Activities
  - A. **Support for Spiral Flume as currently designed and described by Mike Nicholls –** Nicholls joined today's call to provide details on the proposed spiral flume that could be added to the Wanapum Left Bank Ladder Chute, in order to reduce the distance fish drop into the forebay, from 9'-13' to 1'-4'. Structural members will be designed so that the spiral flume is cantilevered out over the chute, and not attached to it, because of concerns that high winds could potentially damage one, or both. Structural members will be designed to take on 100 mph winds. The spiral flume weighs 1600lbs, has a 32" ID, and will be made out of translucent fiberglass material, so shadows can be seen inside. The slope of the flume is the same as the chute and the 270° turn will orient fish towards the thalweg of the river. 85% of the 44 kcfs in the weir box goes downstream, raising the water 6.5' above the ladder floor; the other 15% goes upstream into the forebay. Members questioned how far the water column penetrates the surface of the water at the chute outfall. Nordlund's rule of thumb is that the water plume penetrates the surface of the water 1/2 to 2/3 the depth of the water fall. The amount of water going down the chute is breaking the surface of the water, minimizing the impact to fish. The spiral flume will be removed when the forebay reaches 560' (normal operating depth).

Nicholls explained that the opening at the bottom of the plywood chute will slide into the opening of the 32" ID spiral flume, creating a 3" drop. **PRCC members agreed that a rubber transition should not be installed to close the gap at this time, but may be discussed later with regards to lamprey passage.**

In an effort to reduce flows, **PRCC members agreed to weld stainless steel flat plate across the bar grating on the Wanapum Right Bank Ladder. If modifications are successful, the Wanapum Left Bank Ladder will also be modified.** Barring any unforeseen issues, modifications will be complete by mid-June.
  - B. **Support for putting perforated plate on upper 4' of flume system –** Grant PUD proposes that the upper 4' of the flume have perforated plate installed to minimize lamprey from adhering to it. Rose noted his concern that this system will not work very well for lamprey. **PRCC members agreed that 4' down the outside most flumes, a 1/8" thick, high porosity perforated plate with 1/4" holes be installed with silicon at the weir crest transition, so that any cut edges will be protected.** PRCC members asked that the perforated plate be raised off the surface by 1/16", if possible. Nicholls said that if it's possible to raise it, it will be.
  - C. **Do we install approach ramp on the Wanapum left-bank, like we have done on right bank for lamprey? –** The PRCC agreed to install on the left-bank Wanapum Fishway Exit Passage System as well.

- D. **Support for bypassing spring Chinook for a 6 hour period on May 6th so a swing gate can be installed on the OLAFT.** Dresser explained that in preparation for Trap-n-Transport of the sockeye run, installation of a swing gate at the OLAFT would allow a second truck to get into position so that when the first truck is full, the gate could be swung open and the second truck could start loading without any delays. During installation, all wild spring Chinook would be allowed to migrate through the Priest Rapids Left Bank Ladder and into the Priest Rapids forebay. As of today, 143 fish have been PIT-tagged, and 42 double tagged fish (acoustic/PIT-tag) have passed Rock Island in 122 hours (approximately half of the agreed upon passage criteria). Members discussed the fact that 1000 fish have passed the video fish count station (VFC) but only 380 spring Chinook have passed the OLAFT. **PRCC members agreed to shut down the OLAFT from 2200 on May 5th till 0600 on May 7th, in order to install the OLAFT swing gate, as well as to pass fish that have passed the video fish count station, but not the OLAFT. Trap-n-Transport will not take place on May 6th.** Data shows that fish passage at Wanapum Dam is working and that fish are moving past the dam and through Wanapum Reservoir. **Dresser will verify how many acoustic and PIT-tagged fish have passed Rock Island Dam.**
- IV. **Next Meeting – May 28, 2014, SeaTac Radisson Hotel Boardroom**