

Table 1. Pertinent Data for Fish Facility Inspections in 2011 at BONNEVILLE DAM.

CRITERIA ITEMS	DATE OF INSPECTION							
	<u>1-Apr</u>	<u>27-May</u>	<u>10-Jun</u>	<u>8-Jul</u>	<u>9-Aug</u>	<u>16-Sep</u>	<u>28-Oct</u>	
<u>Bradford Island Fishway</u>								
<u>Bradford Island Entrances</u>								
Criteria: (Head Differ. = 1.0-2.0 ft); (Weir Depth + 8 ft or >); (Depth over ladder weirs = 1-1.3 ft); (Velocity + 1.5-4.0 ft)								
Head at A-Branch entrance	ft	1.8	1.4	1.3	1.9	1.3	1.6	1.3
Depth over Gate 64/65	ft	14.0	8.7	8.4	8.9	8.3	6.0	8.8
Head at South ph entrance	ft	1.4	1.4	1.2	1.9	0.7	1.4	1.3
Depth over Gate 1/2	ft	11.1	10.6	10.6	10.3	9.2	6.6	8.1
Channel Velocity	fps	na	na	na	na	na	na	na
Depth- Bradford Is. ladder weirs	ft	1.1	1.0	1.1	1.2	1.0	1.0	0.5
Depth - A-Branch ladder weirs	ft	1.1	*	*	1.5	1.0	1.2	1.2
Exit clean (Yes or No)		yes	yes	yes	yes	no	yes	yes
<u>B-Branch Entrance</u>								
Head at B Branch entrance	ft	1.3	1.0	1.4	1.6	1.2	1.3	OOS
Staff gages clean		yes	yes	yes	yes	yes	yes	OOS
Depth over ladder weir	ft	1.1	*	*	1.6	0.9	1.0	OOS
<u>Cascades Island Entrance</u>								
Head at main entrance	ft	1.4	1.5	2.0	1.3	1.5	1.2	1.4
Staff gages clean		yes	yes	yes	yes	yes	yes	yes
Depth over ladder weir	ft	0.9	0.9	1.0	1.1	1.0	0.9	1.0

Washington Shore Fishway

WA Shore Entrance:

Depth over entrance weir (Criteria = 13.0 ft or >)

NUE	ft	14.8	12.6	9.7	13.4	13.7	11.7	OOS
NDE	ft	15.0	12.7	9.7	13.4	13.7	8.2	OOS
SUE	ft	14.6	12.5	9.5	13.1	13.7	10.6	OOS
SDE	ft	14.6	12.6	9.8	13.3	13.7	8.1	OOS

Head at entrance (Criteria = 1.0-2.0 ft)

NUE	ft	1.7	*	*	1.5	1.6	1.7	OOS
NDE	ft	1.3	1.2	0.9	1.3	1.4	1.5	OOS
SUE	ft	1.5	1.1	0.9	1.4	1.0	1.1	OOS
SDE	ft	1.6	1.0	0.6	1.1	0.9	1.0	OOS

Depth over ladder weir (67)	ft	1.0	1.0	1.0	1.0	1.0	0.9	OOS
Channel Velocity (Elect. Meter)		na	na	na	na	na	na	na
Ladder exit clean		yes	No	yes	yes	no	yes	yes
Staff gages clean		yes	yes	yes	yes	yes	yes	yes

Comment # (if applicable)

1 2 3 4

Comments:

1. A and B Branch weir staff gauges and NUE channel gauge under water- large woody debris on Wash Shore exit
2. A and B Branch weir staff gauges and NUE channel gauge under water
3. A and B branch staff gauge readings high due to high tailwater backwater in ladder
4. Light debris at BI fishway exit, large woody debris at Wash Shore exit