

**Table 1. Pertinent Data for Fish Facility Inspections in 2017 at BONNEVILLE DAM.**

<b>CRITERIA ITEMS</b>	<b>DATE OF INSPECTION</b>					
	<b>10-Mar</b>	<b>7-Apr</b>	<b>16-Jun</b>	<b>14-Jul</b>	<b>11-Aug</b>	
<b><u>Bradford Island Fishway</u></b>						
<b><u>Bradford Island Entrances</u></b>						
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	1.6	2.0	1.4	1.5
Depth over Gate 64/65	ft	9.4	10.1	8.0	8.9	8.5
Head at South ph entrance	ft	1.2	1.2	1.6	1.2	1.4
Depth over Gate 1/2	ft	13.3	17.2	14.9	10.5	9.6
Channel Velocity	fps	2.4	1.5	1.9	2.8	2.8
Depth- Bradford Is. ladder weirs	ft	1.0	1.1	1.2	1.2	1.0
Depth - A-Branch ladder weirs	ft	1.1	1.8	flooded	1.3	1.1
Exit clean (Yes or No)		yes	yes	yes	yes	no
<b>B-Branch Entrance</b>						
Head at B Branch entrance	ft	1.1	1.5	1.5	2.0	2.1
Staff gages clean		yes	yes	yes	yes	yes
Depth over ladder weir	ft	1.0	flooded	1.3	1.3	1.4
<b>Cascades Island Entrance</b>						
Head at main entrance	ft	1.8	1.3	0.9	1.2	1.8
Staff gages clean		yes	yes	no	no	no
Depth over ladder weir	ft	1.0	1.0	1.0	1.2	0.9
<b><u>Washington Shore Fishway</u></b>						
<b>WA Shore Entrance:</b>						
Depth over entrance weir (Criteria = 13.0 ft or >)						
NUE	ft	13	11.5	11.3	13.2	13.4
NDE	ft	14.0	12.6	12.2	13.2	7.4
SUE	ft	14.9	15.5	13.2	13.2	12.4
SDE	ft	12.9	11.5	11.3	13.3	13.6
Head at entrance (Criteria = 1.0-2.0 ft)						
NUE	ft	1.7	1.2	1.3	1.4	1.6
NDE	ft	1.4	0.9	1.2	1.3	1.2
SUE	ft	1.8	1.0	1.1	1.2	1.5
SDE	ft	1.7	1.0	1.1	0.9	1.2
Depth over ladder weir (67)	ft	1.0	1.0	1.0	1.1	1.0
Channel Velocity (Elect. Meter)		2.3	2.0	2.0	2.5	2.5
Ladder exit clean		yes	yes	yes	yes	yes
Staff gages clean		yes	yes	yes	yes	yes
<b>Comment # (if applicable)</b>		1	2	3	4	5
<b>Comments:</b>						
1. All avian lines not installed.						
2. A brach ladder flooded, PH1 collection channel to slow, both spillway side entrances overtopping/banging around, gatewells 15b 15c and 18 a too quiet for an operating unit.						
3. Several unreadable staff gauges, A branch staff gauge flooded						
4. Large section of tree stuck in A-branch, could be stuck partially in orifice.						
5. Light debris at Bradford Exit, cascades picketed leads need cleaning, multiple staff gauges need cleaning.						