

Table 1. Pertinent Data for Fish Facility Inspections in 2015 at BONNEVILLE DAM.

CRITERIA ITEMS	DATE OF INSPECTION								
	<u>13-Mar</u>	<u>10-Apr</u>	<u>8-May</u>	<u>19-Jun</u>	<u>17-Jul</u>	<u>14-Aug</u>	<u>3-Sep</u>	<u>9-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	1.6	1.4	1.5	1.6	1.5	1.4	1.5	1.4
Depth over Gate 64/65	ft	8.4	8.7	6.0	8.4	8.8	9.1	6.1	4.4
Head at South ph entrance	ft	1.3	1.2	1.2	1.5	1.1	1.1	1.2	1.2
Depth over Gate 1/2	ft	7.4	7.2	5.9	2.5	8.8	9.3	5.8	4.8
Channel Velocity	fps	2.0	2.4	2.8	2.1	2.8	2.8	2.6	2.6
Depth- Bradford Is. ladder weirs	ft	1.0	1.0	1.1	1.2	1.0	1.1	1.0	1.0
Depth - A-Branch ladder weirs	ft	1.1	1.1	1.2	1.3	1.1	1.2	1.1	1.1
Exit clean (Yes or No)		yes	yes	yes	no	yes	yes	yes	yes
B-Branch Entrance									
Head at B Branch entrance	ft	1.6	1.5	1.5	1.8	1.5	1.1	1.9	1.0
Staff gages clean		yes	yes	yes	yes	no	yes	no	no
Depth over ladder weir	ft	1.1	1.0	1.0	1.3	1.0	1.0	1.0	1.0
Cascades Island Entrance									
Head at main entrance	ft	1.6	1.3	1.0	2.0	1.0	0.6	1.1	Na
Staff gages clean		yes	no	no	yes	yes	no	no	Na
Depth over ladder weir	ft	0.9	0.9	1.1	1.2	1.2	1.2	0.9	na
<u>Washington Shore Fishway</u>									
<u>WA Shore Entrance:</u>									
Depth over entrance weir (Criteria = 13.0 ft or >)									
NUE	ft	13.6	12.6	12.6	12.4	12.5	13.0	7.6	6.0
NDE	ft	?	12.6	12.6	11.4	11.5	?	?	?
SUE	ft	12.5	12.6	12.6	10.9	11.5	11.9	?	?
SDE	ft	12.5	12.6	12.6	10.5	10.5	10.7	?	?
Head at entrance (Criteria = 1.0-2.0 ft)									
NUE	ft	1.6	1.6	1.5	1.3	2.1	1.6	1.0	1.6
NDE	ft	?	1.4	1.4	1.0	1.3	?	?	?
SUE	ft	1.3	1.3	1.3	0.8	1.0	1.3	?	?
SDE	ft	1.0	1.0	1.2	0.6	0.9	1.5	?	?
Depth over ladder weir (67)	ft	1.0	1.0	1.0	1.1	1.0	1.0	1.0	1.1
Channel Velocity (Elect. Meter)		2.0	2.0	2.3	2.2	2.5	2.3	2.4	2.3
Ladder exit clean		yes	yes	yes	yes	yes	yes	yes	yes
Staff gages clean		no	yes	yes	yes	yes	no	no	no
Comment # (if applicable)		1	2	3	4	5	6	7	8
Comments:									
1. WG1 out of criteria due to failed gate, repair later in summer. "Geyser" in A Branch, B-Branch PLC not correct.									
2. WG-1 stuck open, no readable staff gauge at cascade island, south gate at Bbranch open - north should be only open at this TW.									
3. BI weir gates not correct due to WG1 on sill issue, FV 5-4 OOS.									
4. No readable PH1 TW gage, BI weir gates not correct due to WG1 on sill issue, some weedy debris on BI exit, WA south entance differentials low.									
5. FV5-4 OOS.									
6. WG-1 picking beam fixed still not been returned to normal service, bulhead banging at Casc. Is Entrance, FV5-4 still OOS									
7. FV 5-4 OOS, most TW staff gauhges unreadable at Tailwater									
8. FV 5-4 repair going on, cascades Is down to orifice flow for repair, the UMT was closed. Fish jumping at UMT pickets (several hundred), project notified cleaned pickets and repopenmed UMT. TW staff gauges unreadable.									