

Table 1. Pertinent Data for Fish Facility Inspections in 2006 at BONNEVILLE DAM.

CRITERIA ITEMS	DATE OF INSPECTION						
	<u>24-Mar</u>	<u>14-Apr</u>	<u>26-May</u>	<u>23-Jun</u>	<u>11-Aug</u>	<u>15-Sep</u>	<u>13-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	1.3	1.2	1.6	0.9	1.6	1.6
Depth over Gate 64/65	ft	8.6	5.9/6.6	8.3	8.1	8.4	8.3
Head at South ph entrance	ft	1.3	1.2	1.4	1.5	0.7	1.0
Depth over Gate 1/2	ft	9.2	10.7/13.2	10.4	9.6	13.7	8.2
Channel Velocity	fps	2.5	2.0	2.2	2.1	2.8	2.3
Depth- Bradford Is. ladder weirs	ft	1.0	0.9	1.5	1.3	1.2	1.0
Depth - A-Branch ladder weirs	ft	1.1	0.9	1.4	1.4	1.3	1.0
Exit clean (Yes or No)		yes	yes	no	yes	yes	no
B-Branch Entrance							
Head at B Branch entrance	ft	2.9	1.5	1.4	1.4	1.6	1.3
Staff gages clean		yes	yes	yes	yes	no	yes
Depth over ladder weir	ft	1.0	0.9	1.2	1.2	1.2	1.0
Cascades Island Entrance							
Head at main entrance	ft	4.5	1.5	1.6	na	1.4	1.2
Staff gages clean		yes	yes	yes	yes	no	yes
Depth over ladder weir	ft	1.1	1.1	1.3	1.2	1.2	0.8
<u>Washington Shore Fishway</u>							
<u>WA Shore Entrance:</u>							
Depth over entrance weir (Criteria = 13.0 ft or >)							
NUE	ft	10.5	13.4	13.3	13.4	11.3	14.0
NDE	ft	9.9	13.3	13.3	13.3	11.3	13.5
SUE	ft	10.5	13.4	13.3	13.4	11.3	13.3
SDE	ft	10.5	13.5	13.4	13.5	11.3	13.1
Head at entrance (Criteria = 1.0-2.0 ft)							
NUE	ft	1.5	2.1	1.9	1.9	2.0	2.0
NDE	ft	?	1.9	1.7	1.6	1.7	1.4
SUE	ft	1.2	2.0	1.9	1.6	1.2	1.6
SDE	ft	1.1	1.6	1.7	1.6	1.0	1.6
Depth over ladder weir (67)	ft	1.0	1.1	1.2	1.1	1.0	1.0
Channel Velocity (Elect. Meter)							
Ladder exit clean		yes	yes	yes	yes	yes	yes
Staff gages clean		yes	yes	yes	yes	no	yes
Comment # (if applicable)		1		2	3		4
							5
Comments:							
1. Weir 67 staff gauge needed cleaning, inspector could not get NDE tailwater reading							
2. Bradford Island Exit not clean had net float stuck to it, inspector notified project							
3. Many staff gauges unreadable or nearly unreadable							
4. Bottom four inches of Bradford fish count window needs cleaning							
5. Bradford Island Exit had a large amount of debris- creating several feet of head across exit trash rack. The floating orifices at B2 were closed although FPOM had recommended opening them several months ago. The B-branch and Cascade Island entrances were above criteria by a few tenths of a foot.							