Table 6. Pertinent Data for Fish Facility Inspections in 2008 at LOWER MONUMENTAL DAM

CRITERIA ITEMS

		DATE OF INSPECTION						
NORTH SHORE FISHWAY		**29-Apr**	**29-May**	**26-Jun**	**22-Jul**	**21-Aug**	**17-Sep**	**29-Oct**
North Shore Entrance:								
Depth over entrance weir								
NSE-1 (Criteria = 8 ft or >)	ft	8.0	8.0	8.3	8.4	8.2	8.2	8.0
NSE-2 (Criteria = 8 ft or>)	ft	8.2	8.3	8.4	8.5	8.3	7.9	8.1
Head at NSE-1 & 2 (Crit. = 1-2 ft)	ft	1.2	1.5	1.5	1.0	1.2	1.1	1.2
Gate on Sill (yes or no) 429ft		no	no	no	yes	yes	no	no
Dep. over ladr. weir (Cr. = 1-1.3 ft)	ft	1.0	1.1	1.1	1.1	1.1	1.1	1.1
Channel velocity (Crit. = 1.5 - 4 fps)	fps	>3.0	very slow	< 2.0	>2.0	2.0	<2.0	2.0
Ladder exit clean (yes or no)		yes	yes	yes	yes	yes	no	yes
Staff gages clean (yes or no)		yes	yes	yes	yes	yes	yes	yes
Picket leads clean (yes or no)		yes	yes	yes	yes	yes	yes	na
South Powerhouse Entrance:								
Depth over entrance weir								
SPE-1 (Criteria = 8 ft or >)	ft	8.3	8.2	8.8	5.8	5.3	7.6	6.2
SPE-2 (Criteria = 8 ft or >)	ft	closed	closed	closed	5.9	5.3	7.7	6.3
Head at SPE-1 & 2 (Crit. = 1-2 ft)	ft	1.1	2.4	1.3	1.6	1.1	1.0	1.2
Gate on Sill (Yes or No) 432ft		yes	no	yes	yes	yes	yes	yes
Staff gages clean/readable (yes or no)		yes	yes	yes	yes	yes	yes	yes
SOUTH SHORE FISHWAY								
South Shore Entrance:								
Depth over entrance weir								
SSE-1 (Criteria = 8 ft or >)	ft	10.1	11.6	8.1	6.4	7.8	8.0	7.4
SSE-2 (permanent) 6-feet	ft	normal	normal	normal	normal	normal	normal	normal
Head at SSE-1 & 2 (Crit. = 1-2 ft)	ft	1.0	0.9	1.3	1.2	1.1	1.0	0.9
Gate on Sill (yes or no) 431ft		yes	no	no	yes	yes	no	yes
Dep. over ladr. weir (Crit. = 1-1.3')	ft	1.0	1.0	1.0	1.1	1.0	1.0	1.1
Ladder exit clean		yes	yes	yes	yes	yes	no	yes
Picket leads clean		yes	yes	yes	yes	yes	yes	yes
Pump speed	rpm	69	69-70	68-69	65-69	65-70	68-69	67-69
# of Pumps Operating (3 available)		2	2	2	2	2	2	2
Comment Number (if applicable)								
			1				2	3

Comments:

1. Very low collection channel velocity- had operator increase gate depth at SPE1- which also lowered the head diff. This action seemed to increase collection channel velocity to atleast one ft per second. Also had operator reduce gate depth at SSE1 which increased head diff at SSE1.
2. Exits had a lot of large and small woody debris, collection channel velocity loked slow around 1.0 ft/s. Southshore dial gauge for tailwater may need calibration.
3. Oil sheen noticed above NS ladder exit, upper staff gauge at N Shore picketed leads missing- notified Bio.