

Table 8. Pertinent Data for Fish Facility Inspections in 2014 at LOWER GRANITE DAM.

CRITERIA ITEMS	DATE OF INSPECTION							
		<u>30-Apr</u>	<u>30-May</u>	<u>26-Jun</u>	<u>31-Jul</u>	<u>28-Aug</u>	<u>19-Sep</u>	<u>20-Oct</u>
SOUTH SHORE FISHWAY								
<i>South Shore Entrance</i>								
<u>Depth over entrance weirs</u>								
SSE-1 (Criteria = 8 ft or >)	ft	8.2	8.2	8.2	8.2	8.1	8.1	8.2
SSE-2 (Criteria = 8 ft or >)	ft	8.2	8.2	8.2	8.3	8.2	8.2	8.2
Head at SSE-1 & 2 (Crit. = 1 - 2 ft)	ft	1.1	1.2	1.1	1.0	1.1	1.2	1.5
Depth over ladr. Weir (Crit.= 1-1.3 ft)	ft	1.2	1.0	1.2	1.3	1.3	1.3	1.2
Channel velocity (Crit. = 1.5-4 fps)	fps	2.0	2.7	2.5	2.6	2.4	2.7	na
Channel velocity (n shore)		1.6	2.2	1.9	1.7	1.5	1.8	na
Ladder exit clean (yes or no)		yes	yes	yes	yes	yes	yes	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	yes
<i>North Powerhouse Entrance:</i>								
<u>Depth over entrance weir</u>								
NPE-1 (Criteria = 8 ft or >)		5.7	7.3	5.8	5.6	5.6	7.0	8.2
NPE-2 (Criteria = 8 ft or >)		5.7	7.4	5.8	5.6	5.6	7.0	8.2
Head at NPE-1&2 (Criteria = 1-2 ft)		1.2	0.5	0.9	1.3	1.0	0.8	0.9
Gate on sill (Yes or No)		yes	yes	yes	yes	yes	yes	yes
Staff gages clean	tes	yes	yes	yes	yes	yes	yes	yes
<i>North Shore Entrance:</i>								
<u>Depth over entrance weir</u>								
NSE-1 (Criteria = 7 ft or >)		6.1	5.1	6.5	4.8	4.5	5.1	5.0
NSE-2 (Criteria = 7 ft or >)		3.6	4.2	3.7	3.7	3.6	5.3	6.3
Head at NSE-1&2 (Criteria = 1-2 ft)		0.9	1.0	1.0	0.3	0.9	0.1	0.6
Staff gages clean								
Comment number (if applicable)		1	2	3		4	5	6

Comments:

1. NSE head differential below criteria, NSE 1& 2 weir depths below criteria, NSE2 fixed at 630 ft.
2. NPE3 bulkhead making noise, NSE weirs did not meet criteria, sacrificing weir depth to meet head differential.
3. No noise at NPE3, NSE weirs not meeting criteria.
4. Some debris at exit and picketed leads, unsure if FOG1 working, COE installed jump netting at Diffuser 14.
5. Low head differential at NSE and NPE, possible low discharge from FOG #7.
6. Could not obtain velocities due to crane activity.