

**Table 7. Pertinent Data for Fish Facility Inspections in 2016 at LITTLE GOOSE DAM.**

CRITERIA ITEMS	DATE OF INSPECTION							
	21-Apr	20-May	23-Jun	15-Jul	21-Aug	29-Sep	21-Oct	
<b>SOUTH SHORE FISHWAY</b>								
<b><i>South Shore Entrance:</i></b>								
<u>Depth over entrance weir</u>								
SSE-1 (Criteria = 8 ft or >)	ft	8.4	8.9	7.5	8.9	8.1	8.8	8.5
SSE-2 (Criteria = 8 ft or >)	ft	8.5	8.8	7.6	8.6	8.2	8.8	8.5
Head at SSE-1 & 2 (Criteria = 1-2 ft)	ft	1.1	1.1	1.3	1.1	1.7	1.6	1.6
Dep. over ladr. weir (Crit. = 1-1.3 ft)	ft	1.2	1.2	1.1	1.2	1.2	1.2	1.2
Channel velocity (Criteria = 1.5-4 fps)	fps	1.8	2.0	1.8	1.9	2.0	1.8	2.2
Channel velocity (North Shore)	fps	na	2.0	1.8	1.8	2.0	2.4	2.4
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 (Criteria = 0.3' max)		yes	yes	yes	yes	yes	yes	yes
<b><i>North Powerhouse Entrance:</i></b>								
<u>Depth over entrance weir</u>								
NPE-1 (Criteria = 7 ft or >)	ft	6.6	6.2	5.4	5.9	4.9	7.2	7.2
NPE-2 (Criteria = 7 ft or >)	ft	6.5	6.2	5.3	5.8	5.8	7.1	7.1
Head at NPE-1 & 2 (Criteria = 1-2 ft)	ft	1.5	1.3	1.6	1.1	1.8	1.4	1.5
Gate on Sill (Yes or No)		yes	yes	yes	yes	yes	yes	yes
Staff gages clean		yes	yes	yes	yes	yes	yes	yes
Pump speed	rpm	77/79	79	77/78	79/79	69-70	73-75	73
Pumps Operating (3 available)		2	2	2	2	2	2	3
<b><i>North Shore Entrance:</i></b>								
<u>Depth over entrance weir</u>								
NSE-1 (Criteria = 6 ft or >)	ft	5.7	5.4	4.6	5.0	4.2	6.5	6.8
NSE-2 (Criteria = 6 ft or >)	ft	5.7	5.4	4.6	5.0	5.0	6.5	6.3
Head at NSE-1 & 2 (Criteria = 1-2 ft)	ft	1.3	1.1	1.2	1.1	1.6	1.3	1.1
Staff gages clean		yes	yes	yes	yes	yes	yes	yes
Comment number (if applicable)		1	2	3	4	5	6	
<b>Comments:</b>								
<p>1. NPE did not meet criteria but on sill. NSE did not meet criteria but program is limited to 532.6 ft (sill is 530.6 ft). Tailrace eddy at south, picketed leads rattling (need wedges installed). Pump #1 OOS.</p> <p>2. NPE on sill, NSE restricted to 532.6 ft per fishway program (sill 2 ft below). LGS needs fishway computer system working properly. The upper picketed lead still knocking- needs wedge installed. Pump #1 OOS.</p> <p>3. Same comment about fishway program need updating. Pump #1 OOS.</p> <p>4. Same comment about fishway program need updating. Pump #1 OOS. 3 cooling pumps in operation at exit.</p> <p>5. Same comment about fishway program need updating. Pump #1 back in service, 3 cooling pumps in operation at exit.</p> <p>6 Fishway returned to auto on aug 9, had probles and returned to manual on sept 19, aux pumps off sept 9.</p>								

