

Table 4. Pertinent Data for Fish Facility Inspections in 2016 at MCNARY DAM.

CRITERIA ITEMS

| SOUTH SHORE FISHWAY | DATE OF INSPECTION | | | | | | |
|--|---------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | | <u>29-Apr</u> | <u>18-May</u> | <u>22-Jun</u> | <u>22-Jul</u> | <u>24-Aug</u> | <u>27-Sep</u> |
| South Shore Entrance: | | | | | | | |
| Depth over entrance weir (Criteria: 8 ft or > gate depth at SFEW-1,2 & NFEW-1,2) | | | | | | | |
| SFEW-1 | ft | 8.1 | 8.1 | 8.0 | 8.2 | 8.0 | 8.1 |
| SFEW-2 | ft | 8.1 | 8.0 | 8.0 | 8.1 | 7.9 | 8.1 |
| Head at SFEW-1,2 (Crit.= 1-2 ft) | ft | 1.3 | 1.4 | 1.3 | 1.2 | 1.2 | 1.2 |
| Dep. over ladr. weir(Crit.= 1-1.3') | ft | 1.2 | 1.2 | 1.0 | 1.1 | 1.0 | 1.0 |
| Channel velocity (Crit.= 1.5-4.0 fps) | fps | 3.2 | 3.0 | 2.9 | 3.0 | 3.2 | 2.9 |
| Ladder exit clean | | yes | yes | yes | yes | yes | yes |
| Picket leads clean | | yes | yes | yes | yes | yes | yes |
| Orifice Gates Operating - 12 | | yes | yes | yes | yes | yes | yes |
| Pumps Operating & degrees open | | 2--26 | 2--24/26 | 2--25/26 | 2--24/26 | 2--24 | 2--26 |
| North Powerhouse Entrance: | | | | | | | |
| Depth over entrance weir | | | | | | | |
| NFEW-2 | ft | 8.0 | 7.9 | 7.9 | 8.0 | 7.6 | 7.9 |
| NFEW-3 | ft | 8.0 | 7.9 | 7.9 | 8.0 | 7.5 | 8.0 |
| Head at NFEW-2&3 (Crit. = 1-2 ft) | ft | 1.8 | 1.4 | 1.4 | 1.1 | 1.3 | 1.4 |

WA.SHORE FISHWAY

North Shore Entrance:

| | | | | | | | |
|---|----|-----|-----|-----|-----|-----|-----|
| Depth over entrance weir | | | | | | | |
| WFE-2 (Crit. = 8 ft or >) | ft | 8.4 | 8.8 | 7.6 | 9.2 | 8.5 | 9.2 |
| WFE-3 (Crit. = 8 ft or >) | ft | 8.6 | 8.8 | 7.8 | 9.5 | 8.4 | 9.2 |
| Head at WFE-2&3 (Crit. = 1-2 ft) | ft | 1.5 | 1.2 | 1.4 | 1.1 | 1.2 | 1.1 |
| Dep. over ladr. weir (Crit. = 1-1.3 ft) | ft | 1.1 | 1.1 | 1.0 | 1.0 | 1.0 | 1.0 |
| Ladder exit clean | | yes | yes | yes | yes | yes | yes |
| Picket leads clean | | yes | yes | yes | yes | yes | yes |
| Comment number (if applicable) | | | | | | | 1 |

Comments:

1. Floating orifice gates 3 and 4 were stuck down during inspection, Bio thought was due to rapidly declining TW, these gates were rehabbed last winter.

