

**MEMORANDUM FOR THE RECORD**

**SUBJECT: 20BON26 AFF CRITFC Holding Tank Pacific Lamprey mortalities**

On Monday morning 6/29/2020, CRITFC staff found five Pacific Lamprey mortalities distributed among three AFF holding tanks. The fish were collected at traps at Bonneville on 6/27 and 6/28 for the CRITFC-Tribal translocation program and were scheduled for delivery on 6/29. The fish showed no external abnormalities and the cause of death was not apparent. Photos of the dead lamprey were not taken at the time of removal and the carcasses were frozen. Photos of the frozen lamprey were taken today 6/30 and are attached, however, are of little value in evaluating the condition of the fish.

Water flow and circulation in the tanks was adequate and did not deviate from normal operations. Water temperature is recorded daily and was 19C on the day fish were put into the tanks as well as the day of discovery of the mortalities. On 6/30, CRITFC and USACE staff examined the tanks and decided to remove screened partitions that divide the tanks into three compartments. The partitions have been in place for years, without causing known issues to lamprey holding in the tanks. However, they are not necessary at this time and may reduce water exchange within the holding tanks. Therefore, removing the partitions may reduce stress and increase water exchange within the tank.

Sincerely,  
Greg Silver  
CRITFC

