

CENWW-OD-T
MEMORANDUM FOR THE RECORD

May 22, 2013

SUBJECT: Fish Mortalities at McNary Lock and Dam

Narrative:

The following fish mortalities were enumerated during trash raking and VBS cleaning recently:

5/15, during trash raking: Slot 1B: No lamprey; 12 smolts
Slot 2B: 1 lamprey; 60 smolts (Hard to count due to poor condition and their distance from the observer. These were essentially blobs of flesh.)

5/20, inspecting separator perf plate: 3 juvenile lamprey. Lamprey numbers are way up; these probably squeezed by the barrier screen above the separator during primary bypass.

5/20 and 5/21, during trash raking: 1 lamprey
12 smolts

- A. Species:** 5 juvenile lamprey; rest unknown, presumably 84 salmonid smolts.
- B. Origin:** Unknown.
- C. Length:** These are mostly blobs of flesh, viewed from a distance. Length impossible to determine.
- D. Marks and Tags:** See above. Unable to discern. Nothing obvious.
- E. Marks and Injuries Found on the Carcasses:** Unable to determine due to poor condition.
- F. Cause of Death:** Unknown. Impossible to determine. Tumbleweeds on trash racks are our best guess.
- G. Future and Preventative Measures:** Keep cleaning trash racks. These represent 89 fish out of several hundred thousand that passed those days. De-scaling rate has declined from 11.1% to 4.9% over the past 2 days, so the trash raking is obviously helping to resolve the problems.

Photos Taken: None.

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