

State of California

The Resources Agency

Memorandum

To: Fisheries Management, Region 3

Date: January 12, 1978

From: Department of Fish and Game - Menlo Park

Subject: Silver salmon and steelhead survey of Redwood Creek, Marin County.

On December 30, 1977, Central Fishery District personnel surveyed an upper reach of Redwood Creek to document the condition of adult silver salmon and steelhead and the success of upstream migration. A similar survey was conducted in January 1969.

A 2-mile reach was surveyed from the falls at Bootjack Creek-Rattlesnake Creek confluence, to the Frank Valley Road crossing near the southeastern boundary of Muir Woods National Monument. Temperatures at 0900 hrs. were: W.T. 52°F, A.T. 49°F.

A total of 20 silver salmon and 4 carcasses were counted. One adult steelhead was also observed. All salmon showed signs of *Saprolegnia* infection. In comparison, the January 1969 survey reported a total of 33 adult silver salmon, 3 carcasses and 4 adult steelhead.

During this survey, fish were distributed as follows:

- | | | | |
|----|-----------------------------|-----|-------------------|
| 1) | Park entrance to 1st Bridge | - 2 | SS and 1 carcass. |
| 2) | 1st to 2nd Bridge | - 3 | SS and 1 carcass. |
| 3) | 2nd to 3rd Bridge | - 2 | SS and 1 SH. |
| 4) | 3rd Bridge to Fern Creek | - 7 | SS and 1 carcass. |
| 5) | Fern Creek to Bridge | - 2 | SS. |
| 6) | Bridge to Falls | - 4 | SS and 1 carcass. |

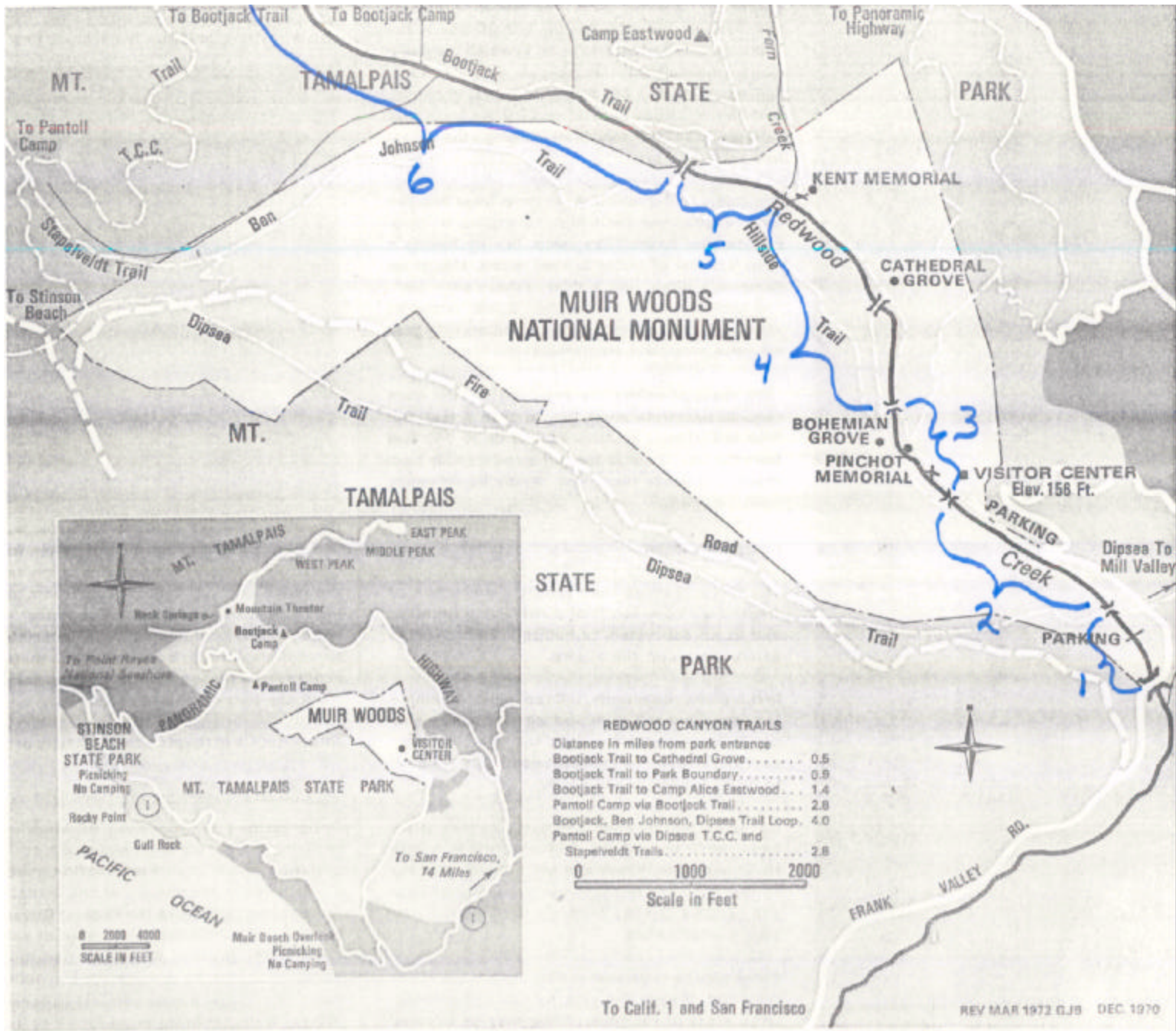
Large numbers of tourists were also present during this survey and most likely caused the fish to seek shelter, thereby giving us a count less than actual numbers present. An additional survey will be conducted during mid-winter.



Rollin C. Reineck, Jr.
Fish and Wildlife Seasonal Aid

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cc: Warden R. Ild



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