

STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME
INTRAOFFICE CORRESPONDENCE

DATE July 22, 1953

TO: Willis A. Evans, Fisheries Management Supervisor - Region III
FROM: Herbert E. Pintler, Asst. Fisheries Biologist - Region III
SUBJECT: Experimental Trap, [Big]Sulphur Creek, Sonoma County

On Monday, July 20, 1953 subject trap was installed with the help of Mr. William Irish, Sonoma County Fish Rescue Agent, at a point 0.7 miles above the barrier falls.

Installation was completed at about 5 p.m. and trap left to operate until 9 p.m., at which time it was checked for the first time. The trap was empty, but this may have been for various reasons, including the fact that the stream was considerably disturbed by the work; anglers were working upstream from the trap and time of movement might fluctuate.

The trap was left in over night and checked again at 9 a.m. July 21, 1953. Debris on the screen diverting excess water from the trap had caused the screen to bulge and leak. Water was also overflowing the gravel levees which are an extension of the screen. In spite of this, 39 young SH, ranging in size from 2" to 8", and a dozen tadpoles were found in the trap. Debris did not seriously clog the box part of the trap although it was constructed of 1/8" mesh cloth.

The installation was repaired and Irish was left to keep a continuous periodic check on numbers of fish caught. A form for him to follow was provided and he will call us to inform us of the success of the project so we can determine the feasibility of placing another trap in the stream below the barrier falls.

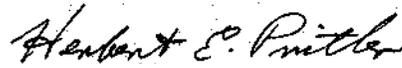
Specific details of the installation are given below:

1. Size of trap or live box: A cylindrical wire basket about 36" high and 28" in diameter using 1/8" hardware cloth.
2. Size of diversion pipe: Stove pipe 6" in diameter about 10' long with one elbow.
3. Description of wire diversion: A length of 1/4" x 36" x 33' hardware cloth installed diagonally in stream from near shore to point of pipe intake.
4. Other details: Drop from outlet of pipe to trap about 10". Head of water above pipe intake about 12". Pipe

inclines uphill slightly toward outlet end. Upper end of diversion screen is extended by gravel dike. Gravel dike was also built on far side of pipe inlet.

5. Information required on tally form is:

- A. Date
- b. Time
- c. Nose of trout
- d. Range in size of trout.
- e. Other fish taken - nos. and size range
- f. Air and water temperatures (when convenient)



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