

Field Note

scanned for KRIS

Anderson Creek, Mendocino County

June 24, 1970

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Location of sampling station: SW¼ of SW¼ of Section 1, T13N, R14W downstream from Rossi Rd. bridge (Boonville).

Date: June 24, 1970

Sampling Station Data:

Water temperature 65°F; Air temperature 66°F.
Discharge (Pigmy current meter): 0.71 c.f.s.
Mean calculated water depth: 0.194 ft. Mean calculated stream width: 18.15 ft.
Length of station: 200 ft.
Calculated water volume: 704.2 cubic ft.
Water surface area: 3630.0 square ft.
Time: 0830 hours.

a. Steelhead

No. Run #1	No. Run #2	Total Fish	Total Weight*	Pop. Estimate**
116	60	176	580 gms.	133/100 ft.

Modal fork length: 2.2 inches
Mean fork length: 2.3 inches
Fork length range: (140 fish) 1.6 - 4.5 inches
Mean weight: 3.3 gms. (volumetric displacement)

b. Roach

No. Run #1	No. Run #2	Total Fish	Total Weight*	Pop. Estimate**
93	71	164	410	195/100 ft.

Length ranged from 1.1 - 2.7 inches.
* Weight determined by volumetric displacement.

**Based on:

$$\frac{(Y_1)^2 - Y_2}{Y_1 - Y_2} = N$$

Juvenile Steelhead Standing Crop Estimate

- a. 133 fish per 100 feet of stream.
- b. 0.379 fish per cubic foot of water (1.3 grams).
- c. 23.2 pounds of fish per surface acre.
- d. Of approximately 7 miles of Anderson Creek available to steelhead, the summer nursery habitat supports approximately 49,000 fish, accepting the sampling yield as representative of the stream.

B. A. Albert

Fish and Wildlife Seasonal Aid

Region 3

BA