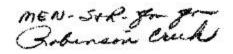
Field Note Robinson Creek, Mendocino County June 23, 1970



## Robinson Creek, Mendocino County Fish Population Sampling

Location of sampling station: Downstream from Mt. View Rd. bridge,

NE¼ of SW¼ of Section 2, T13N, R14W

Date: June 23, 1970 (Boonville)

## Sampling Station Data

Water temperature 76°F; Air temperature 81°F. Discharge (Pigmy current meter): 0.095 c.f.s.

Mean calculated water depth: 0.177 ft. Mean calculated stream width: 9.95 ft.

Length of station: 200 ft.

Calculated water volume: 351.4 cubic feet Water surface area: 1990.0 square ft.

Time: 1620 hours.

Electro-fishing Yield (With Smith-Root backpack unit)

a. Steelhead (only species present)

No. Run #1	No. Run #2	Total Fish	Total Weight*	Pop. Estimate**
9	2	11	129 gms	6/100 ft

Length ranged from approximately 2.0 to 3.9 inches.

Modal fork length: 2.2 and 3.1 inches.

Mean fork length: 3.0 inches.

Mean weight: 11.7 grams per fish (volumetric displacement).

\* Weight determined by volumetric displacement.

\*\* Based on 
$$(Y_1)^2 - Y_2 = N$$

## Juvenile Steelhead Standing Crop Estimate;

- a. 6 fish per 100 feet of stream.
- b. 0.031 fish per cubic foot of water (0.363 grams).
- c. 6.238 pounds of fish per surface acre.
- d. Robinson Creek, upstream from its confluence with Anderson Creek, provides approximately 4,500 feet of minimal summer nursery habitat. With 6 fish per 100 feet of stream, the standing crop estimate of juvenile Steelhead is 270 fish.

## B. A. Albert Fish and Wildlife Seasonal Aid

Region 3

