

Field Note  
 Anderson Creek, Mendocino County  
 September 3, 1970

ANDERSON CREEK. MENDOCINO COUNTY

Location of Sampling Station: SW $\frac{1}{4}$  of SW $\frac{1}{4}$  of Section 1, T13N  
 R14W upstream from Rossi Rd, Bridge (Boonville)

Date: September 3, 1970

Sampling Station Data:

Water temperature: 61°F; Air temperature 66°F.  
 Discharge: (Pigmy current meter): 0.372 c.f.s.  
 Mean calculated water depth: 0.380 ft.  
 Mean calculated stream width: 8.000 ft.  
 Length of station: 100 ft.  
 Calculated water volume: 304.0 cubic ft.  
 Water surface area: 800.0 sq. ft.

Electro-Fishing Yield (With Smith-Root backpack unit):

a. Steelhead

<u>No. Run 1</u>	<u>No. Run 2</u>	<u>Total Fish</u>	<u>Total Weight*</u>	<u>Pop. Estimate**</u>
41	8	49	230	51/100 ft.

Modal fork length: 2.5 inches  
 Mean fork length: 2.7 inches  
 Fork length range: 2.1 - 5.5 inches  
 Mean weight: 4.7 grams (volumetric displacement)

b. Non-Game fish

	<u>No. Run 1</u>	<u>No. Run 2</u>	<u>Total Fish</u>	<u>Total Weight*</u>
Roach:	262	51	313	
Suckers:	19	3	22	630
Stickle- back:	6	13	18	
			TOTAL	630 gms.

Juvenile Steelhead Standing Crop Estimate

- 51 fish per 100 ft. of stream
- 0.168 fish per cubic foot of water (.788 gms.)
- 28.779 pounds of fish per surface acre.

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Location of Sampling Station: SW¼ of SW¼ of Section 1, T13N,  
R14W downstream from Rossi Rd. Bridge  
(Boonville)

Date: September 3, 1970

Sampling Station Data:

Water temperature: 58°F; Air temperature 68°F.  
Discharge (Pigmy Current meter): 0.372 c.f.s.  
Mean calculated water depth: \_\_\_\_\_  
Mean calculated stream width: \_\_\_\_\_  
Length of station: 200 ft.  
Calculated water volume: \_\_\_\_\_  
Water surface area:  
Time: 1630 hrs.

Electro-Fishing Yield (With Smith-Root backpack unit):

a. Steelhead

None

<u>b. Non-Game Fish</u>		<u>Total Weight*</u>
Roach:	221	)
Stickleback:	2	) 360 grams
Suckers:	20	)

\* Weight by volumetric displacement

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