

FISH POPULATION SAMPLING DATA SHEET

Eureka File

CDFG

Date 7/19/84Personnel Gershun, FranklinName of Stream Little Lost RiverTributary to Prairie (Ck to Redwood) Ck.County HumboldtStudy Section immediately above NGSLocation 1/4 MI AS 23 T11N/R1ETime Start 1500 End Length of study section 30Average width of study section 12Total pool area 25%Total riffle area 75%Average pool depth 24"Area of cover Rocks - Fair sq. ft.Area of spawning gravel 15% sq. ft.Area of food production 25% sq. ft.

Percentage of bottom covered by silt

or sand: pool 25% riffle Canopy 50% Alder and cottonwoodOverall stream gradient ft./mileStudy section gradient ft./mile

Aquatic vegetation present (est. quant.

& types) slight algae

Est. standing crop in pounds per acre:

Trout Roughfish NoneTotal trout per mile Adult trout per mile (6. F.L.) Relative Fishing pressure Type of sampling gear ElectrofishingEst. or measured $\bar{x}$ velocity (F.P.S.) Water temp. 58 °F. at 15.0Stream flow 2.5 cfs.Color and turbidity clear JCUTransparency (Secchi disc) -Electrical conductivity moderateTotal dissolved solids -Photos taken NoneStop nets used None

Streamside environment (Land use and

vegetation) None of 2000-1/2" growth (redwood)2nd growth 15"-20" tall

Condition of watershed and sources of

pollution slight evidence of old slumpsFish observed but not captured Est. recovery by mark and recapture

Relative abundance of aquatic organisms

moderatemoderate Caddis fly larvae

3506

CATCH

PASS I			PASS I			PASS II			PASS II		
Species	Length	Wt.	Species	Length	Wt.	Species	Length	Wt.	Species	Length	Wt.
1. ~~SH~~	54 mm										
2.	38										
3.	36										
4.	42										
5.	42										
6.	50										
7.	56										
8.	50										
9.	45										
10.	46										
11.	52										
12.	48										
13.	38										
14.	57										
15.	56										
16.	60										
17.	48										
18.	39										
19.	32										
20.	44										
21.	50										
22.	76										
23.											
24.											

~ 2 - 21. 19

Spot checked likely habitat for cuts up to point 1 mile from Highway 101; 1200 ft stretch starting at gauging station; gradient increases at 1/2 way pt along stretch. Lg log jams (2) appear to be barriers; decrease in fish abundance marked above 1st barrier, very few fry (1-2"); few 3-6" RBT; 2 sacrificed - gonads appear well developed in 4" fish. *Desmognathus* (2) scarce. No fish in 1st pool below last jam. Siltation evident throughout. Large cobble gravel substrate upstream, smaller gravel, sand in lower portion. Clear-cut along rt slope (fairly recent). Old growth redwoods dominate upstream.

Below jams estimated 2 to 4 yearlings "3-6" per pool, (ave 2). Some Salamanders for no *Desmognathus*. Stream heavily shaded.