

State of California

The Resources Agency

Memorandum

To : Files

Date : August 20, 1986

FISH & GAME

AUG 25 1986

YOUNTVILLE

From : Department of Fish and Game

Subject: Brush Creek, Mendocino County, electrofishing population survey, August 13 and 14, 1986.

Lower Brush Creek was sampled August 13 and 14, 1986, to determine fry and juvenile steelhead standing crop. Similar data were collected in 1984 and 1985. Two of the areas sampled (sites 2 and 3) were also sampled in 1984 and 1985; site 2A was added this year to obtain a better representation of the standing crop in the lower section of the stream.

The mark-recapture sample method was used to estimate the standing crop. A Type SRVII electrofisher was used to collect the fish.

General Information

Site 2

Location- Approximately 1.5 km (0.93 miles) downstream of Highway 1.

Sample date - August 13, 1986

Length- 52m (170 ft)

Width (ave)- 4.9m (16 ft)

Flow - not measured

Site 2A

Location - Immediately downstream of Site 2.

Sample date - August 13, 1986

Length - 61m (200 ft)

Width (ave) - not measured

Flow - not measured

Site 3

Location Approximately 1.2 km (0.74 miles)

Sample date - August 14, 1986

Length - 88m (290 ft)

Width (ave) - 4.6m (15 ft)

Flow - 2.4 cfs

Results

Site 2

Total	> 100 mm
M 87 (- 4 dead)	14
C 42	6
R 14	4
N = 242 ± 20%	N = 17 ± 24%
N/mile = 7,502	N/mile= 527

Site 2A

Total	> 100 mm
M 113 (-14 dead)	24 (-1 dead)
C 39	11
R 16	9
N= 247 ± 18%	N = 29 ± 14%
N/mile = 6,520	N/mile = 766

Site 3

Total	> 100 mm
M 233 (-19 dead)	20
C 196	11
R 71	6
N = 604 ± 9%	N = 34 ± 23%