State of California The Resources Agency

Memorandum

To: Fisheries Management Date: July 26, 1977
Region 3

From: Department of Fish and Game - Menlo Park

Subject: Fish Population; Redwood Creek, Marin County.

On July 13, 1977, Jr. Aquatic Biologist Ivan Paulsen and Seasonal Aids Mike Gillespie and Larry Richardson conducted electroshocking and stream flow surveys on Redwood Creek, Marin County.

A 200-foot stream section below Muir Woods Rd. Bridge was shocked using a Smith-Root Type V backpack electoshocker: (upper road crossing)

| Species | Total Collected | # Measured | FL Range (in.) | Av. FL (in.) |
|---------|-----------------|------------|----------------|--------------|
| SS | 17 | 11 | 1.8 - 3.1 | 2.54 |
| SH | 16 | 5 | 2.4 - 4.9 | 3.56 |
| SCP | 6 | 6 | 2.4 - 6.7 | 4.38 |

Flows of 0.102 cfs were taken 100 feet south of Muir. Woods Rd. Bridge using a Pygmy current meter.

Air T.: 54°F Water T.: 53°F Time: 1140

The lower reaches, below Highway 1, of Redwood Creek were surveyed but were found to be intermittent. No electroshocking or stream flows were accomplished. The pools appeared stagnant and no fish life was observed.

Mike Gillespie Fish and Wildlife Seasonal Aid

Ivan L. Paulsen
Jr. Aquatic Biologist
Central Fishery District
Region 3

MG/ILP:nw

California Department of Fish and Game - Region 3 Stream Flow Measurement

| Gaging | g of Red | dwood Cr | eek, Ma: | rin County | At, n | ear Muir W | oods Rd. B | ridge | | |
|---------|------------|-------------|----------|-------------|-----------------|--------------|------------------|-------|---------------|---------------------|
| Date: | 7-13 | 1977 | Time | 1140 | A.T. | 54°F | W.T. <u>53</u> ° | F | Meter No | Pygmy Current Meter |
| Measure | ed by Rich | nardson | Gillespi | ie Notes b | V Paulsen | Comp. by | Paulsen | | Checked | by |
| | _ | nd .8, othe | | 1(000) | <u>raarberr</u> | Gage Height | Laarben | Ic | | . south of Bridge |
| Method | .0,) .2 a | na .o, onie | 1. | | | sage Height | | Lo | cation 100 10 | . Boutil of Bridge |
| | | | | | | | | _ | - | |
| Dist fr | | Depth | in Ft. | D 1.1 | Time | Velocity | Area | - | | |
| init pt | Width Ft. | Total | of Obs | Revolutions | Sec. | Mean in Sec. | Sq. Ft. | Q. | | |
| RB-1.0 | | | | | | | | | | |
| | | | | | | | | | | |
| 1.0-1.5 | 0.5 | 0.12 | 0.048 B | 0 | 60 | 0 | 0.060 | 0 | | |
| 1.5-2.0 | 0.5 | 0.13 | 0.052 B | 10 | 60 | .17 | 0.065 | 0.011 | | |
| 2.0-2.5 | 0.5 | 0.20 | 0.080 B | 11 | 60 | .18 | 0.100 | 0.018 | | |
| 2.5-3.0 | 0.5 | 0.17 | 0.068 в | 13 | 60 | .21 | 0.085 | 0.018 | | |
| 3.0-3.5 | 0.5 | 0.18 | 0.072 B | 16 | 60 | .26 | 0.095 | 0.023 | | |
| 3.5-4.0 | 0.5 | 0.19 | 0.076 B | 10 | 60 | .17 | 0.095 | 0.016 | | |
| 4.0-4.5 | 0.5 | 0.13 | 0.052 B | 12 | 60 | .20 | 0.065 | 0.013 | | |
| 4.5-5.0 | 0.5 | 0.12 | 0.049 B | 3 | 60 | .05 | 0.060 | 0.003 | | |
| | | | | | | | | | | |
| 5.0-LB | | | | | | | | | | |
| | | | | | | | Total Q = | 0.102 | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Tota | als | | | | | | | | | |
| | | | | 1 | | | | | 1 | |