

Memorandum

To : Survey Files

Date: May 2, 1985

From : Department of Fish and Game - Region 2

Subject: Hell Hole Reservoir, Placer County

This reservoir was creel checked on three weekend days in April: Saturday, 4/13, Saturday, 4/27 and Sunday 4/28. A total of 107 anglers caught 86 BN and 14 RT with a catch/hour of 0.15 (See Table). The declining catch rate was probably due to a higher proportion of unskilled anglers on 4/27-4/28.

| <u>Date</u> | <u>Anglers</u> | <u>Angler Hours</u> | <u>RT</u> | <u>BN</u> | <u>Total Fish</u> | <u>Catch/Hour</u> |
|-------------|----------------|---------------------|-----------|-----------|-------------------|-------------------|
| Sat 4/13 | 9 | 68 | 4 | 18 | 22 | .32 |
| Sat 4/27 | 43 | 232 | 3 | 38 | 41 | .18 |
| Sun 4/28 | <u>55</u> | <u>347</u> | <u>7</u> | <u>30</u> | <u>37</u> | <u>.11</u> |
| Totals | 107 | 647 | 14 | 86 | 100 | .15 |

In one group of BN, 68 fish ranged from 9.5-13.8 inches and averaged 11.4 inches. Five large BN ranged from 17.3-21.8 inches and averaged 19.9 inches. Of the RT, 13 were from 10-13 inches long averaging 11.5 inches and one was 15.5 inches.

Most of the RT were caught near the Rubicon River inlet by shore anglers. An estimated 70% of the total fishing effort was checked.

The water level was more than 30 feet down but the boat launching ramp was in good shape. Total inflow was about 1000 cfs. Weather was clear with some high winds on Saturday the 27th.

The annual allotment in this lake should be maintained at 10,000 to 12,000 BNC.

J. A. Ryan
par
 Ron Rogers
 Seasonal Aid

RR:ds

REGION II FISHERIES MGMT. CREEL CENSUS FORM

Water Hell Hole Date 4-13 1985 Checker Ron Rogers

Use Count (specify locations, est. proportion of total seen) _____

| Time | Boat Anglers | Shore Anglers | No. of Boats | No. of Cars |
|------|-----------------|------------------|-----------------|----------------|
| 0800 | | | | |
| 1000 | | | | |
| 1200 | | | | |
| 1400 | | | 4 | 5 |
| 1600 | | 4 | 4 | 7 |
| 1800 | | 2 | 2 | 4 |
| 2000 | | | | |

Weather conditions:
 Clear Calm Rain _____
 Cloudy _____ Windy _____

Key: T - Tagged
 LV-Left ventral
 Ad-Adipose
 RP-Right pectoral

| Time | Boat | Shore | Hrs. | Ang. X Hrs. | Angling Complete | | Unmarked Fish | | | Other Marks or Tags | Total all Fish | Co. of Res. | Other Info. |
|-----------|------|-------|------|----------------|------------------|----|---------------|-----|----|---------------------|----------------|------------------|--|
| | | | | | Yes | No | RT | KOK | BN | | | | |
| 0630 | 2 | | 10.5 | 21 | ✓ | | 3 | | 2 | | 5 | Plecter E/Dor | RT = 12.2, 12.6, 11.7 BN = 12.5, 12.3 |
| 0700 | 2 | | 10 | 20 | ✓ | | | | 6 | | 6 | Plecter E/Dor | 21.8, 11.1, 11.1 = RV? 11.3, 12, 12.5 |
| 1400 | 2 | | 5 | 10 | ✓ | | 1 | | 2 | | 3 | Plecter | 12, 11.5 = 12 RT = 11 |
| 0600-1000 | 1 | | 4 | 4 | ✓ | | | | 5 | | 5 | " | Fish 12.5 |
| 1230 | 2 | | 6.5 | 13 | ✓ | | | | 3 | | 3 | Plecter | 13.8, 11.2, 11.5 |
| | | | | 68 | | | 4 | | 18 | | 22 | | |

REGION II FISHERIES MGMT. CREEL CENSUS FORM

Water Hell Hole Date 4-27 1985 Checker Ron Regier

Use Count (specify locations, est. proportion of total seen) _____

| Time | Boat | Shore | No. of | No. of |
|------|---------|---------|--------|--------|
| | Anglers | Anglers | Boats | Cars |
| 0800 | | | | |
| 1000 | | | | |
| 1200 | | | | |
| 1400 | | | 8 | |
| 1600 | | | | |
| 1800 | | | | |
| 2000 | | | | |

Weather conditions:
 Clear ___ Calm Rain
 Cloudy ___ Windy windy in A.M.

Key: T - Tagged
 LV-Left ventral
 Ad-Adipose
 RP-Right pectoral

| Anglers | at Shore | Hr | X | Angling Complete | | Unmarked Fish | | | Other Marks or Tags | | | Total all Fish | Co. of Res. | Other Info. |
|---------|----------|-----|------|------------------|--------|---------------|-----|----|---------------------|-------|--|----------------|-------------|---|
| | | | | Hrs. | Yes No | RT | KOK | BN | | | | | | |
| 2 | | 7 | 14 | ✓ | | | | 12 | | | | 12 | See | 11.2, 11.5, 11.4, 11.3, 11.5, 12.6, 10.1, 11.3, 11.2, 8, 10.7, 11.2, 11.3 |
| 3 | | 8 | 24 | ✓ | | 1 | | 4 | | | | 5 | Miscell | RT 11.7, BN = 10.3, 11.4, 12.1, 12.5 |
| 3 | | 8 | 24 | ✓ | | | | 6 | | | | 6 | Edmond | 11.7, 11.5, 11.5, 11.3, 11.2, 11.7 |
| 3 | | 13 | 39 | ✓ | | | | | | | | 0 | See | |
| 2 | | 7 | 14 | ✓ | | | | 1 | | | | 1 | See | |
| 3 | | 8 | 16 | ✓ | | | | | | | | 0 | See | |
| 4 | | 5 | 20 | ✓ | | 1 | | 4 | | | | 5 | See | |
| 4 | | 7 | 12 | ✓ | | | | 1 | | | | 1 | | |
| 3 | | 3 | 9 | ✓ | | 1 | | 2 | | | | 3 | Misc | 11.1, 11.5, 11.1 = RT |
| 3 | | 8 | 24 | ✓ | | 2 | | | | River | | 2 | Misc | 11.6, 11.5 |
| 3 | | 3.5 | 11.5 | ✓ | | | | | | | | 0 | See | |
| 2 | | 2.5 | 5 | ✓ | | | | | | | | 0 | See | |
| 2 | | 15 | 3 | ✓ | | | | | | | | 0 | See | |
| 1 | | 8 | 1/2 | ✓ | | | | | | | | 0 | | |
| 2 | | 3.5 | 7 | ✓ | | | | 1 | | | | 1 | See | 12.5 |
| 2 | | 5.5 | 11 | ✓ | | | | 2 | | | | 2 | | |
| 2 | | 5 | 10 | ✓ | | | | 3 | | | | 3 | See | 12.1, 12.2, 11.7, 11.0, 12.0 |
| 2 | | 1 | 2 | ✓ | | | | 1 | | | | 1 | Misc | 12.5 |
| 7 | | 10 | 10 | ✓ | | | | 1 | | | | 1 | See | 20.5 |

43 232 3 38 cf = 0.18 41

REGION II FISHERIES MGMT. CREEL CENSUS FORM

Water Hell Hole Date 4-28 1985 Checker Rm Rogers

Use Count (specify locations, est. proportion of total seen) _____

| Time | Boat | Shore | No. of Anglers | No. of Boats | No. of Cars |
|------|------|-------|----------------|--------------|-------------|
| 0800 | | | | | |
| 1000 | | | | | |
| 1200 | | | | | |
| 1400 | | | | | |
| 1600 | | | | | 15.20 |
| 1800 | | | | | |
| 2000 | | | | | |

Weather conditions:
 Clear Calm Rain
 Cloudy Windy Breeze

Key: T - Tagged
 LV-Left ventral
 Ad-Adipose
 RP-Right pectoral

| Anglers at Shore | Hr | Ang. X Hrs. | Angling Complete | | Unmarked Fish | | | Other Marks or Tags | | | Total all Fish | Co. of Res. | Other Info. |
|------------------|----|-------------|------------------|----|---------------|-----|----|---------------------|--|--|----------------|-------------|----------------------------------|
| | | | Yes | No | RT | KOX | BN | | | | | | |
| 2 | 6 | 12 | ✓ | | | | | | | | | Sac. | |
| 2 | 9 | 18 | ✓ | | | | | | | | | E1P2 | |
| 2 | 9 | 18 | ✓ | | | | | | | | | E1D2 | |
| 4 | 5 | 20 | ✓ | | | | | 1 | | | 1 | 2 Sac | 12.2 |
| 4 | 4 | 16 | ✓ | | | | | 3 | | | 3 | Place | 11.2, 11.1, 9.9 |
| 2 | 7 | 14 | ✓ | | | | | | | | 0 | Place | |
| 3 | 6 | 18 | ✓ | | | | | 6 | | | 6 | Sac | 10.9, 11.7, 10, 10.5, 10.8, 12.5 |
| 3 | 4 | 12 | ✓ | | | | | 1 | | | 1 | | 10.8 |
| 2 | 6 | 12 | ✓ | | | | | | | | 0 | Place | |
| 3 | 7 | 21 | ✓ | | | | | 2 | | | 2 | Place | 18.8, 12.1 |
| 2 | 6 | 12 | ✓ | | | | | 3 | | | 3 | Place | 11.5, 21.0, 11 |
| 2 | 8 | 16 | ✓ | | | | | 3 | | | 3 | Sac | 16.9, 12.1, 12.5 |
| 2 | 5 | 10 | ✓ | | | | | 1 | | | 2 | Sac | 11.3, 11.5, 10.0 = RT |
| 1 | 8 | 8 | ✓ | | | | | 1 | | | 1 | aut. | 12.5 |
| 4 | 1 | 4 | ✓ | | | | | | | | 0 | Place | |
| 2 | 8 | 16 | ✓ | | | | | 1 | | | 1 | Sac | not measured |
| 2 | 8 | 16 | ✓ | | | | | | | | 0 | Place | |
| 2 | 6 | 12 | ✓ | | | | | | | | | Sac | |
| 3 | 4 | 4 | ✓ | | | | | 6 | | | 6 | Sac | 13.0, 11, 11.3, 10.0, 11.2, 16.0 |
| 2 | 3 | 6 | ✓ | | | | | | | | | Sac | |
| 2 | 9 | 18 | ✓ | | | | | 6 | | | 6 | Sac | 11, 11.5, 15, 11, 11.5 |

estimated by RP

(55)

c/f = 0.14

(37)

13 17.3

4/27-28

| SPECIES | | LOCATION | | DATE | | NAME | |
|---------|----|----------|----|------|--|------|--|
| BN | RT | BN | RT | | | | |
| 8.0 | | 8.0 | | 0 | | 0 | |
| .1 | | .1 | | 1 | | 1 | |
| .2 | | .2 | | 2 | | 2 | |
| .3 | | .3 | | 3 | | 3 | |
| .4 | | .4 | | 4 | | 4 | |
| .5 | | .5 | | 5 | | 5 | |
| .6 | | .6 | | 6 | | 6 | |
| .7 | | .7 | | 7 | | 7 | |
| .8 | | .8 | | 8 | | 8 | |
| .9 | | .9 | | 9 | | 9 | |
| 9.0 | | 9.0 | | 0 | | 0 | |
| .1 | | .1 | | 1 | | 1 | |
| .2 | | .2 | | 2 | | 2 | |
| .3 | | .3 | | 3 | | 3 | |
| .4 | | .4 | | 4 | | 4 | |
| .5 | | .5 | | 5 | | 5 | |
| .6 | | .6 | | 6 | | 6 | |
| .7 | | .7 | | 7 | | 7 | |
| .8 | | .8 | | 8 | | 8 | |
| .9 | | .9 | | 9 | | 9 | |
| 10.0 | | 10.0 | | 0 | | 0 | |
| .1 | | .1 | | 1 | | 1 | |
| .2 | | .2 | | 2 | | 2 | |
| .3 | | .3 | | 3 | | 3 | |
| .4 | | .4 | | 4 | | 4 | |
| .5 | | .5 | | 5 | | 5 | |
| .6 | | .6 | | 6 | | 6 | |
| .7 | | .7 | | 7 | | 7 | |
| .8 | | .8 | | 8 | | 8 | |
| .9 | | .9 | | 9 | | 9 | |
| 11.0 | | 11.0 | | 0 | | 0 | |
| .1 | | .1 | | 1 | | 1 | |
| .2 | | .2 | | 2 | | 2 | |
| .3 | | .3 | | 3 | | 3 | |
| .4 | | .4 | | 4 | | 4 | |
| .5 | | .5 | | 5 | | 5 | |
| .6 | | .6 | | 6 | | 6 | |
| .7 | | .7 | | 7 | | 7 | |
| .8 | | .8 | | 8 | | 8 | |
| .9 | | .9 | | 9 | | 9 | |
| 12.0 | | 12.0 | | 0 | | 0 | |
| .1 | | .1 | | 1 | | 1 | |
| .2 | | .2 | | 2 | | 2 | |
| .3 | | .3 | | 3 | | 3 | |
| .4 | | .4 | | 4 | | 4 | |
| .5 | | .5 | | 5 | | 5 | |
| .6 | | .6 | | 6 | | 6 | |
| .7 | | .7 | | 7 | | 7 | |
| .8 | | .8 | | 8 | | 8 | |
| .9 | | 13.9 | | 9 | | 9 | |

13.0 /

18.8
21.0
17.3
20.5

$\bar{x} = 11.06$ (RT)

13.8

(12)

21.8

$B_n = 9.5 - 13.8 = \bar{x}$ of 11.4 $n = 68$

$B_n = 17.3 - 21.8 = \bar{x}$ of 19.9 $n = 5$

- Region 2

Anglers were creel checked on Saturday 0500 to 1100. Fourteen boat anglers caught 12 RT and 17 BN with a catch rate of 0.36.

The RT ranged in length from 7.8 inches to 13.5 inches, averaging 10.9 inches. The BN ranged from 10 to 13.5 inches, averaging 11.0 inches. Another BN was 21 inches long.

This census was done between 1800 and dark or 2030 hours. Based on car counts made in the early afternoon it represents about 1/2 the total effort.



Ron Rogers
Seasonal Aid

RR:ds

REGION II FISHERIES MGMT. CREEL CENSUS FORM

Water Neel Hole Date 5-11-1985 Checker Ron Rogers

Use Count (specify locations, est. proportion of total seen) _____

| Time | Boat Anglers | Shore Anglers | No. of Boats | No. of Cars |
|------|-----------------|------------------|-----------------|----------------|
| 0800 | | | | |
| 1000 | | | | |
| 1200 | | | | |
| 1400 | | | | 14 |
| 1600 | | | | |
| 1800 | | | | 7 |
| 2000 | | | | |

Broken Clouds, breezy
 Weather conditions:
 Clear _____ Calm _____ Rain _____
 Cloudy _____ Windy _____ 26 = 10.3 m
28 = 11.0
 Key: T - Tagged 29 = 11.4
 LV-Left ventral 30 = 11.8
 Ad-Adipose 35 = 13.8
 RP-Right pectoral

| Anglers at Shore | H r s. | Ang. X Hrs. | Angling Complete | | Unmarked Fish | | | Other Marks or Tags | | | | Total all Fish | Co. of Res. | Other Info. |
|---------------------|--------------|-------------------|---------------------|----|------------------|-----|----|---------------------|--|--|--|----------------------|-------------------|--|
| | | | Yes | No | RT | KOK | BN | | | | | | | |
| 2 | 3 | 6 | ✓ | | | | 2 | | | | | 2 | | 21, 9 |
| 2 | 6 | 12 | ✓ | | 7 | | 2 | | | | | 9 | | |
| 2 | 10 | 20 | ✓ | | 4 | | 4 | | | | | 8 | BU → | 30, 24, 26, 28, 35, 28, 25, 28 |
| 2 | 9.5 | 19 | ✓ | | | | | | | | | 0 | | |
| 3 | 5 | 15 | ✓ | | 3 | | 6 | | | | | 9 | | 7, 35, 8, 2, 11.2, 13.5, 10, 11, 11.05, 10.5 |
| 3 | 8.5 | 16.5 | ✓ | | 1 | | 3 | | | | | 4 | | |
| 14 | | 86.5 | | | 12 | | 17 | | | | | 32 | | |

86.95
 0
 = 10.9
 110

Memorandum

To : Survey Files

Date : April 29, 1986

From : Department of Fish and Game

Subject: Hellhole Reservoir, Placer County

Subject reservoir was creel checked on Sunday, April 27. Eleven anglers caught eight fish for a catch rate of 0.12 fish per angler hour. The catch consisted of the following:

| | |
|-----------------|--------------------------|
| 1 lake trout | 22 in. FL (no fin clips) |
| 3 rainbow trout | 10.5, 11, 11 inch FL |
| 4 brown trout | 10, 10, 10, 11.5 inch FL |

The lake trout was probably from a 1978 plant. It was caught seven colors deep on a night crawler trolled behind flashers. The lake was drawn down about four feet.

J. H. Ryan
jar
Ron Rogers
Seasonal Aid

cc: J. Richard

RR:ds

Creel Check

Hole Reservoir

Ron Rogers

4-27-86

1030-2000

weather Mostly Clear, light breeze in AM

High, broken clouds - light wind - PM

| # Anglers | | Nos Fished | Ang hrs | Brown Trout | | Rainbow Trout | | Lake Trout | Total Catch |
|-----------|------|---------------|---------|-------------|----------|---------------|-------|---------------|-------------|
| Shore | Boat | | | | | | | | |
| | 2 | 2 1/2 | 5 | | | | | | 0 |
| 1 | | 7 1/2 | 7 1/2 | | | 11.0 in. | | | 1 |
| | 2 | 8 | 16 | 11.5 | | 10.5, 11 | | | 3 |
| | 2 | 6 | 12 | | | | | | 0 |
| | 2 | 8 | 16 | | | | | | 1 |
| | 2 | 4 | 8 | 10, 10, 10 | No Males | | 22 in | | 1 |
| | | | 64.5 | | | | | | 5 |
| | | | | | | | | | 8 |
| | | | | | | | | | 0 |
| | | | | | | | | | 7 |