

Memorandum

RNH

Date: November 25, 2003

To: Kathy Hill
Fisheries Management District Supervisor
Department of Fish and Game
Region 2
1701 Nimbus Road, Suite A
Rancho Cordova, California 95670

From: Department of Water Resources

Subject: For Your Files: 1999 Antelope Lake Creel Census

In 1999, California Department of Water Resources, Northern District student assistants Arin Connor and Dave Elkins and Environmental Specialist Doug Rischbieter conducted an angler survey on Antelope Lake, Plumas County. These surveys were conducted on 14 days from April through November 1999. The lake was checked on at least six other days during the season, but no anglers were seen, or censused.

During the surveys, 100 anglers were interviewed who had fished 362.75 hours, with an observed catch of 55 rainbow trout, 28 brook trout (0.23 trout per hour), and 24 largemouth bass. In addition, five rainbow trout, 1 brook trout, 18 bass, and 4 redear sunfish were reported caught, or reported caught and released.

Shore anglers totaled 53 anglers who had fished 153.75 hours and caught 17 rainbow trout, 20 brook trout (0.24 trout per hour), and 3 bass. Shore anglers also reported catching, or catching and releasing 3 redear sunfish.

Boat anglers totaled 47 anglers who had fished 209 hours and caught 38 rainbow trout, 8 brook trout (0.22 trout per hour), and 21 largemouth bass. They also reported catching, or catching and releasing and additional 5 rainbow trout, 1 brook trout, 18 largemouth bass, and 1 redear sunfish.

Mean lengths of measured fish were 32.9 cm (13.0 inches) for 52 rainbow trout (Figure 1) and 29.0 cm (11.4 inches) for 28 brook trout (Figure 2). The largest fish was a rainbow trout measuring 44.0 cm fork length (17.3 inches).

About 43 percent of the anglers fished with bait, 32 percent with lures, 19 percent used bait and lures, and 6 percent used bait and flies.

About 40 percent of the anglers were from Northeast Counties (Plumas and Lassen) and 25 percent were from out-of-State (mostly Reno and Sparks, Nevada). The rest of the anglers at the lake were mostly from the San Francisco Bay area (12 percent) and Sacramento Valley Counties (10 percent), with the remaining 13 percent from more distant regions of California (Figure 3).

Kathy Hill
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If you have any questions or require additional information regarding this survey, please contact me at (530) 529-7393 or www.hintonr@water.ca.gov.

ORIGINAL SIGNED BY

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Spell Check: November 25, 2003

FIGURE 1
Length-Frequency of Censused Rainbow Trout
Antelope Lake 1999

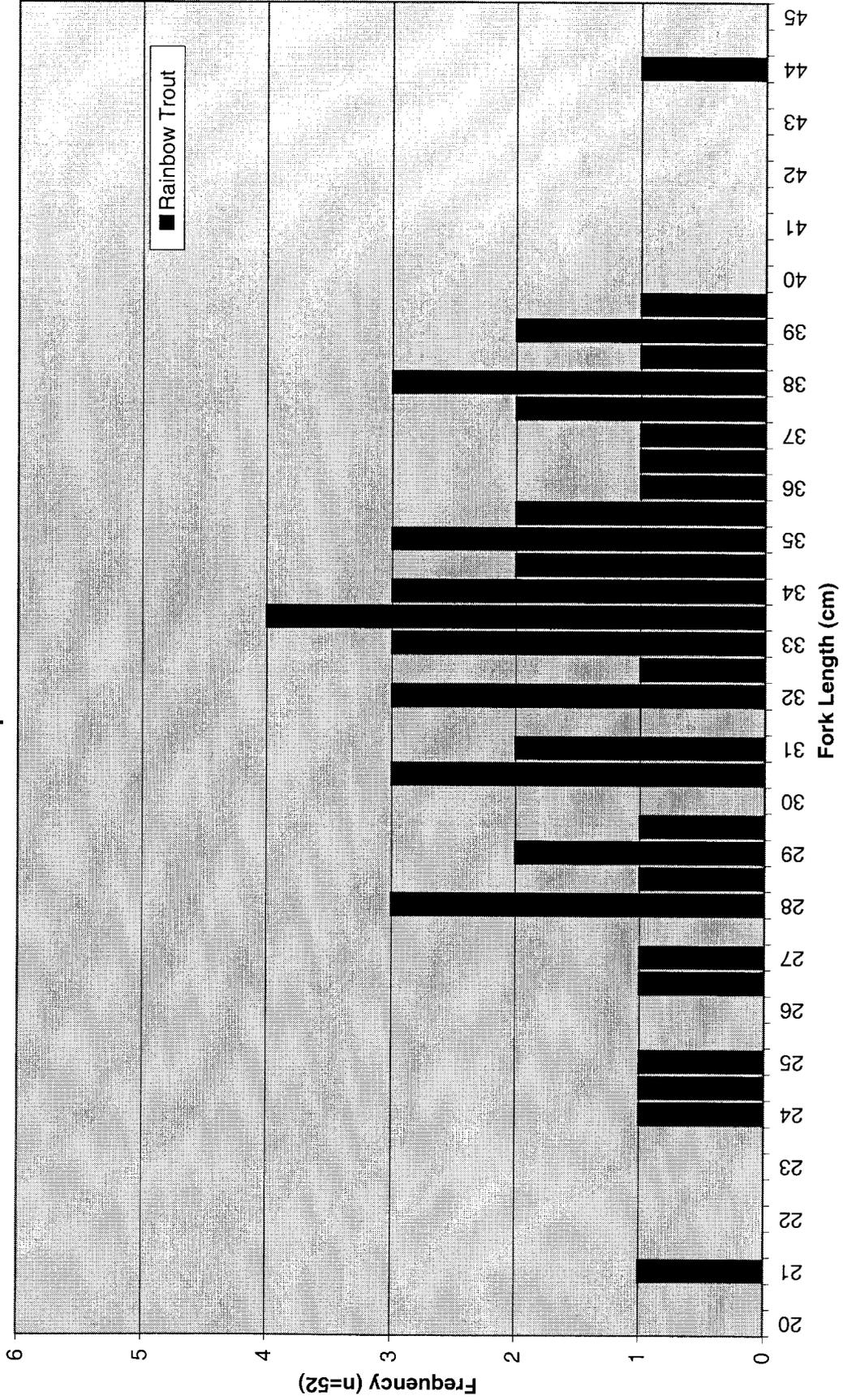
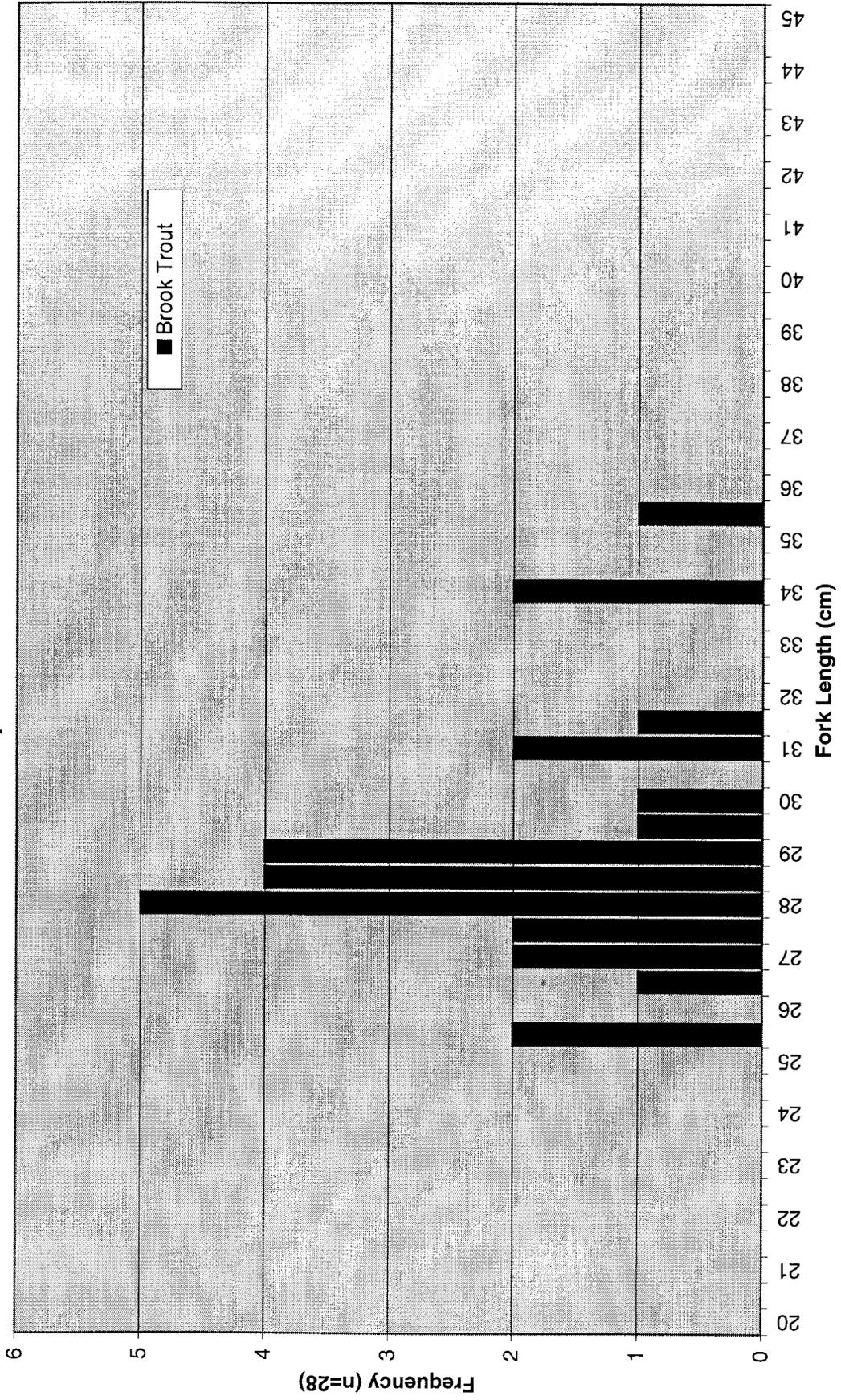


FIGURE 2
Length-Frequency of Censused Brook Trout
Antelope Lake 1999



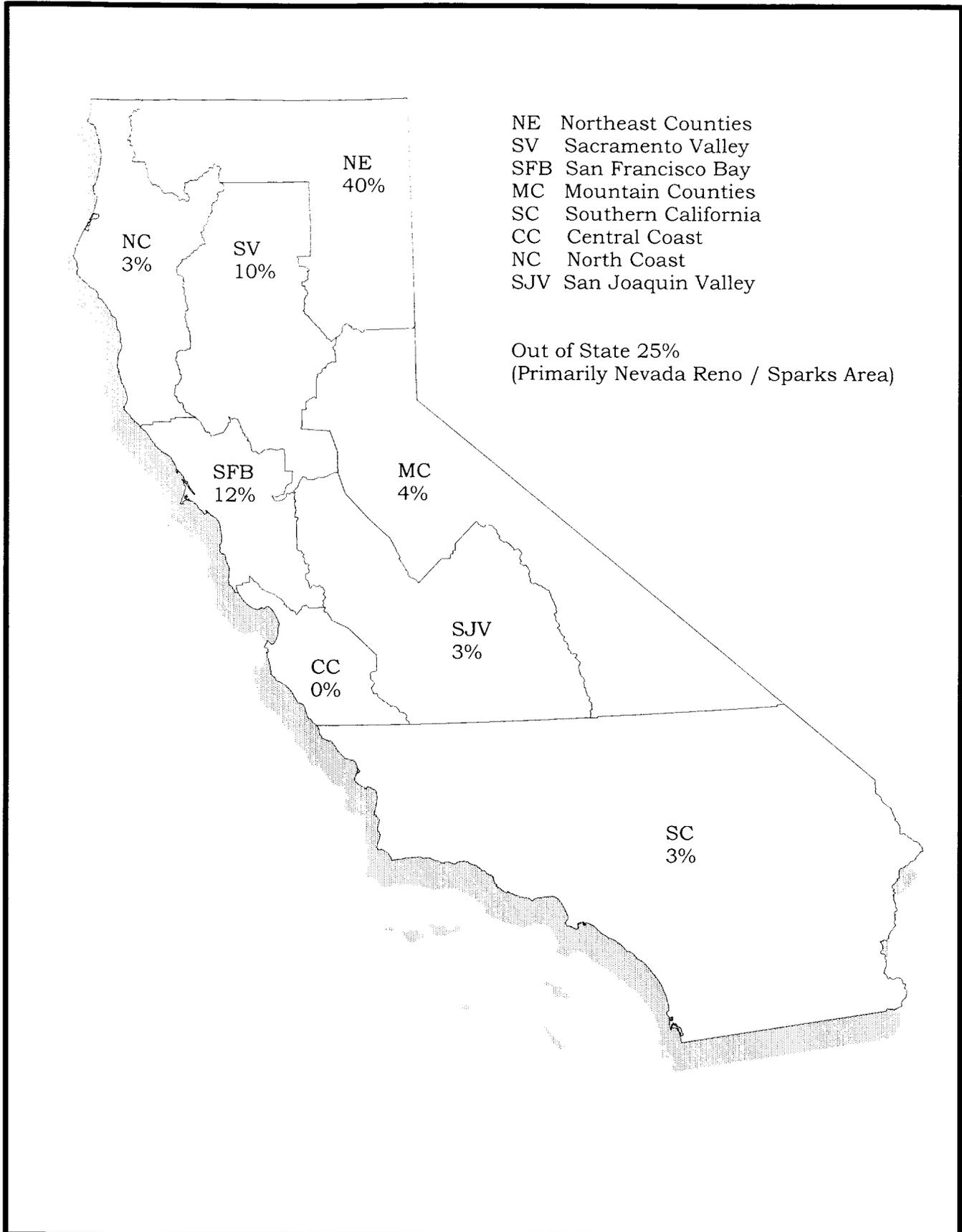


Figure 3 - Antelope Lake - Angler Origin by County Groups - 1999