

RTD-230
Methodology for Estimating Delta Counties Subsistence Fishers
from Angling Intensity Data

Assumptions:

- Each Delta angler fished just once during the year, equal to 1 “person-angler.” (It is likely, however, that resident anglers will fish more than once a year; that means the daily estimate of person-anglers in Table 1, is in actuality higher on any given day for fishing.)
- The average duration for a typical outing to fish is 6 hours for resident anglers.
- Each Delta person-angler represents one household, and that fish caught and kept by that person-angler feeds a single household.
- The population of Delta region anglers mirrors the Delta counties’ population and income distribution, poverty rate, etc.
- All Delta licensees living in distressed communities are members of environmental justice communities.
- All person-anglers living in distressed communities in Delta counties are licensed to fish.

Table 1
Estimate of Person-Anglers in Delta Region from Angling Intensity Data, 1999-2000

River Corridor	Estimated Angler Hours	Hours per Week	Number of Anglers Fishing per Week at 6 hours per outing
Carquinez Strait to City of Sacramento on Sacramento River	915,000	17,596	2,933
San Joaquin River	300,000	5,769	962
Total, Delta Region	1,215,000	23,365	3,894
Number of Anglers per day			556
Number of Anglers per day from Delta region distressed communities (about 20 percent)			111

Source: RTD-233; Restore the Delta.

Note: Estimated Angler Hours averages RTD’s estimate of RTD-233 chart data for Sac - Carquinez to Sacramento angler hours (about 950,000 in 1999 and 880,000 in 2000) and San Joaquin River angler hours (about 340,000 in 1999 and 260,000 in 2000).

Note: Number of Anglers per day from distressed Delta communities factor derived from RTD-229, Table 2, taking the ratio of Delta distressed community licenses to total Delta licenses.