



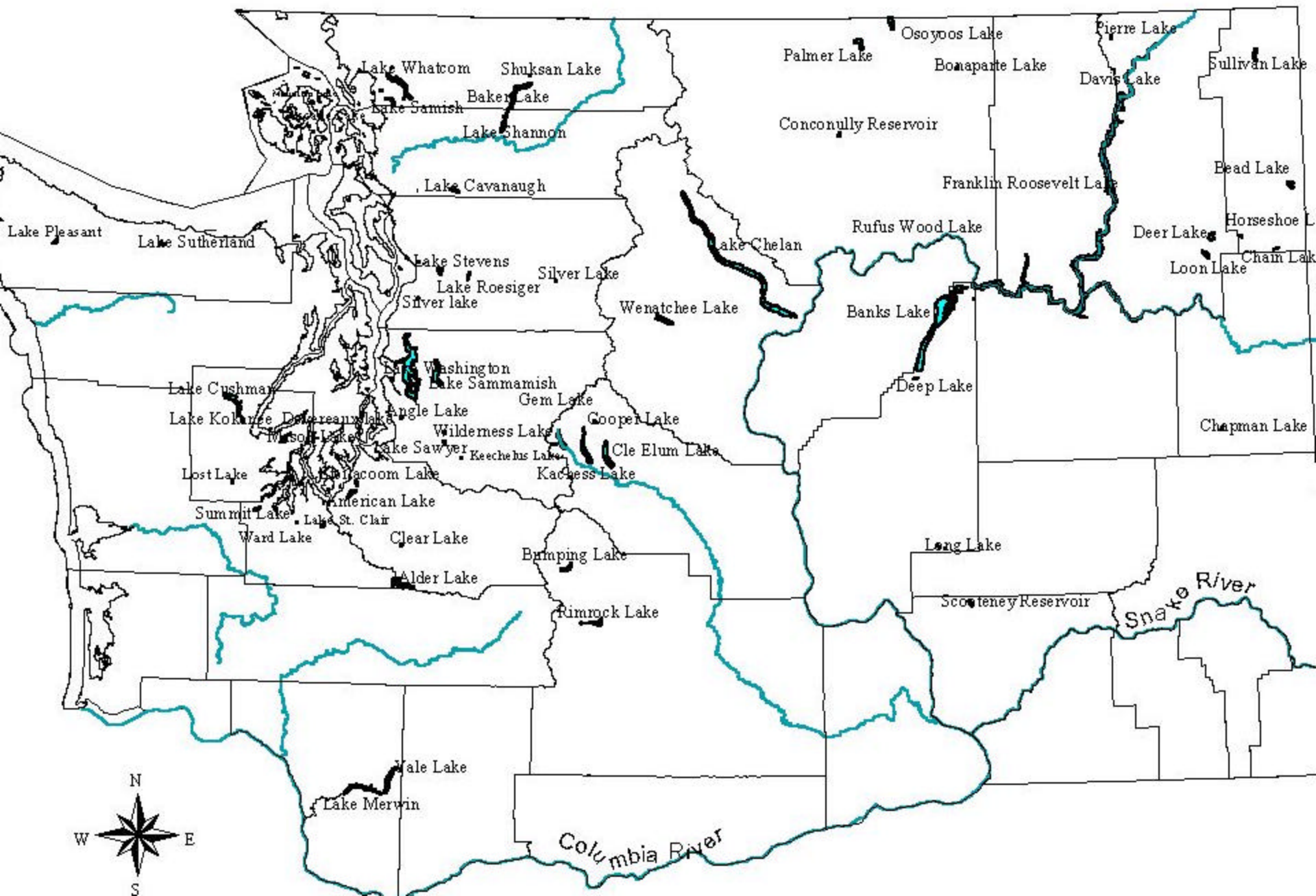
Washington State Kokanee Status Report







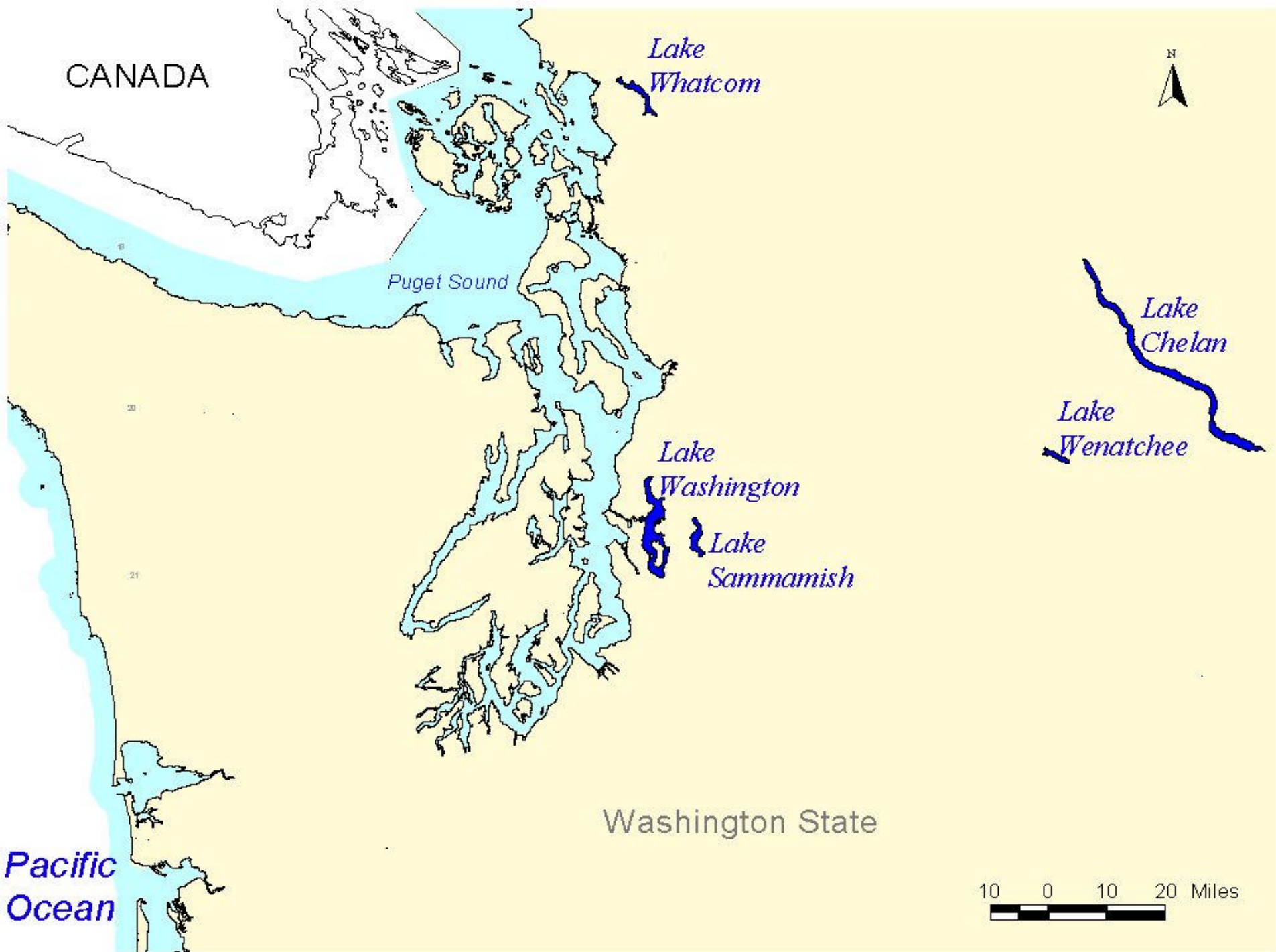
Lakes With Kokanee Plants



Kokanee In Washington State

- Culture History**
- Production Goals**
- Loss of Current Broodstock Source**
- Development of Solutions To Address Loss**







CANADA



Puget
Sound

Lake
Whatcom

Lake
Samish

Lake
Sammamish

Lake
Sullivan

Washington State

20 0 20 40 Miles

N









Lake Whatcom Kokanee

Hatchery Scientific Review Group

Nooksack Samish
Regional Review

May / June 2002



**Juvenile
Release**



**Juvenile
Rearing**



Eggs



Adults

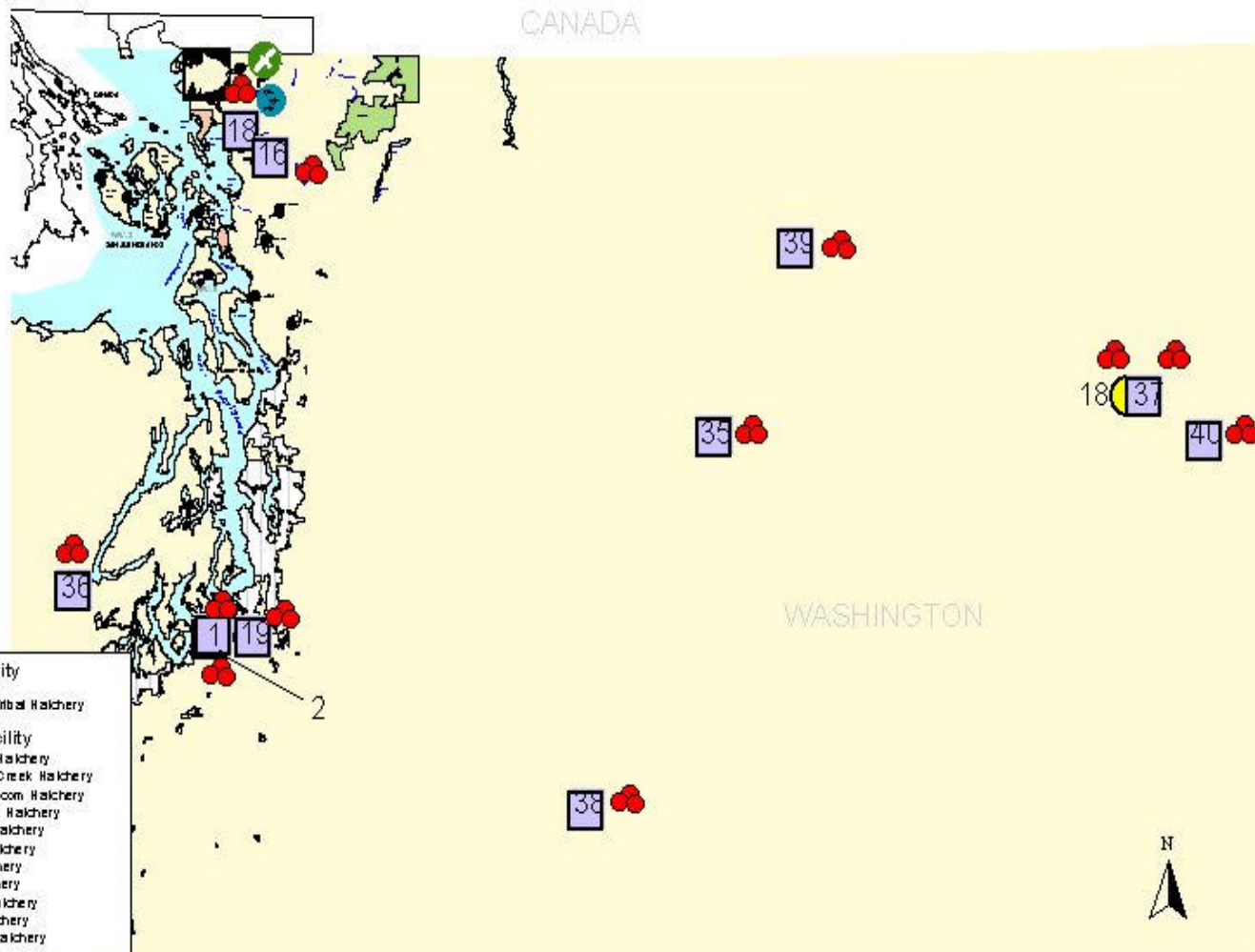
1. Release 5 million into Lake Whatcom.

1. Rear at Lake Whatcom Hatchery.

1. Collect 13.5 million eggs for in state and an additional 5 million (if available) for out of state at Lake Whatcom Hatchery.

2. Transfer 7.83 million to eleven state and tribal in-state programs.

1. Collect adults at Lake Whatcom Hatchery.



Tribal Facility

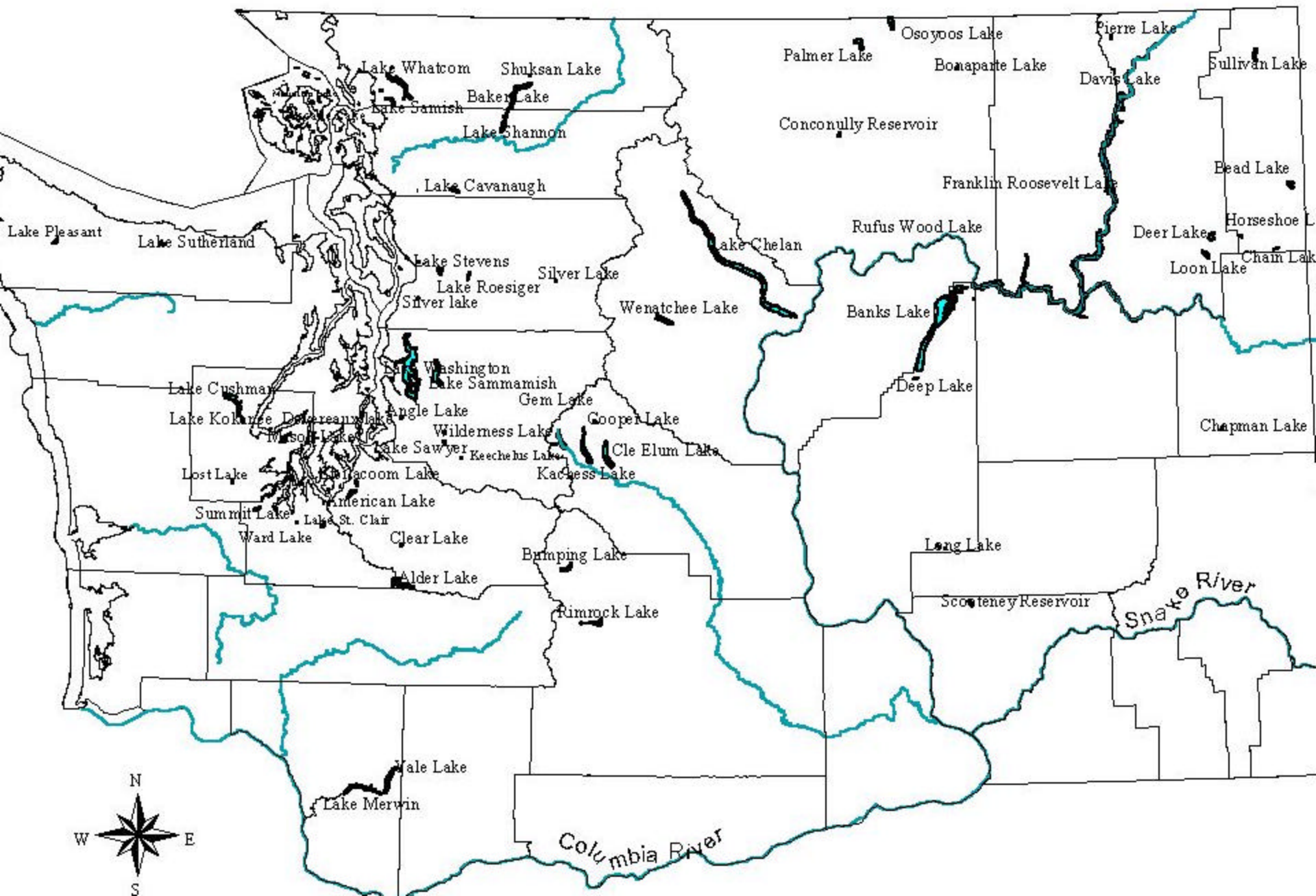
18. Spokane Tribal Hatchery



WDFW Facility

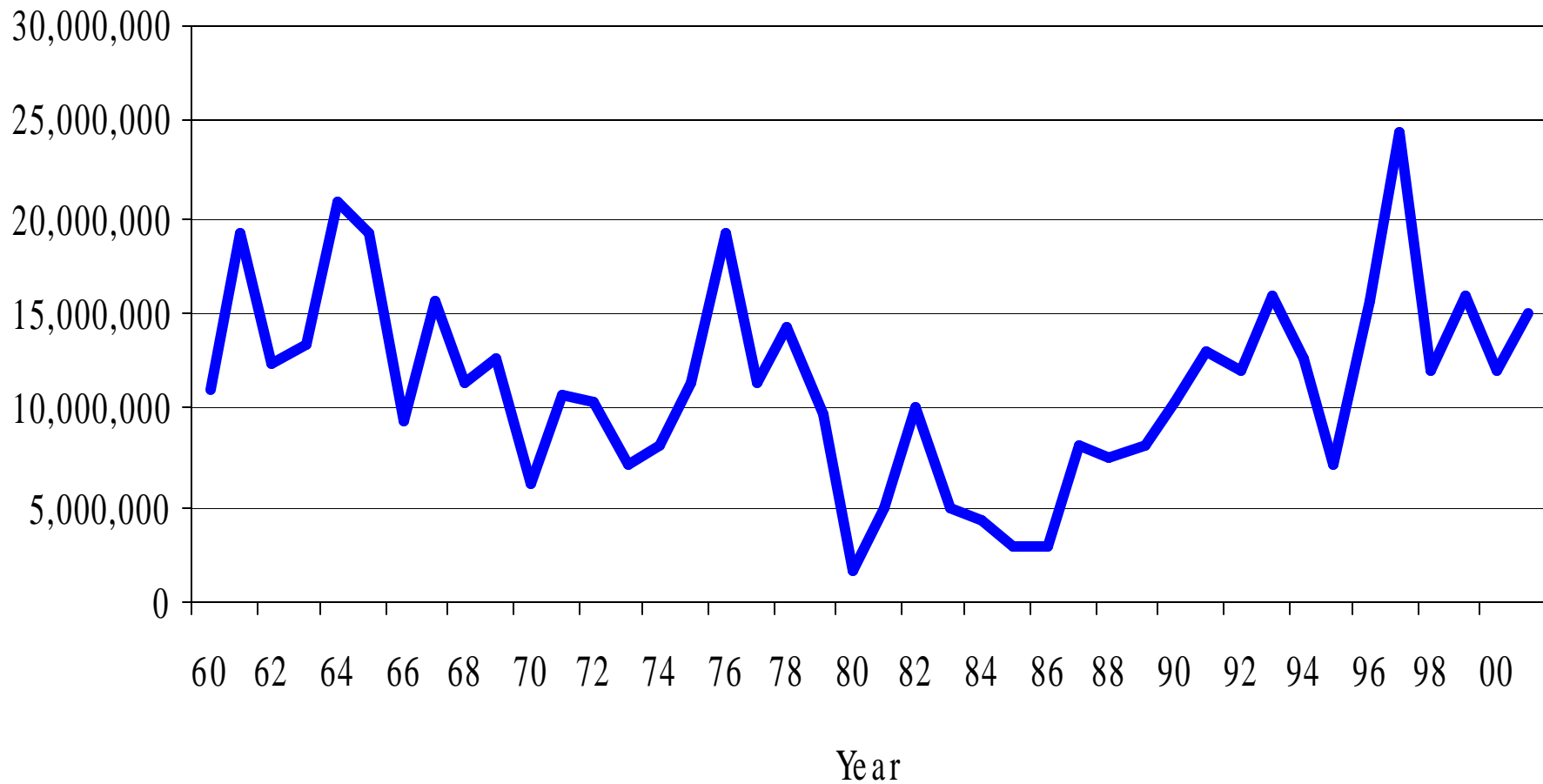
1. Lakewood Hatchery
2. Chambers Creek Hatchery
16. Lake Whatcom Hatchery
18. Bellingham Hatchery
19. Puyallup Hatchery
35. Chelan Hatchery
36. Belle Hatchery
37. Ford Hatchery
38. Waches Hatchery
39. Omak Hatchery
40. Spokane Hatchery

Lakes With Kokanee Plants



Lake Whatcom Kokanee Egg Collection

1960 - 2001





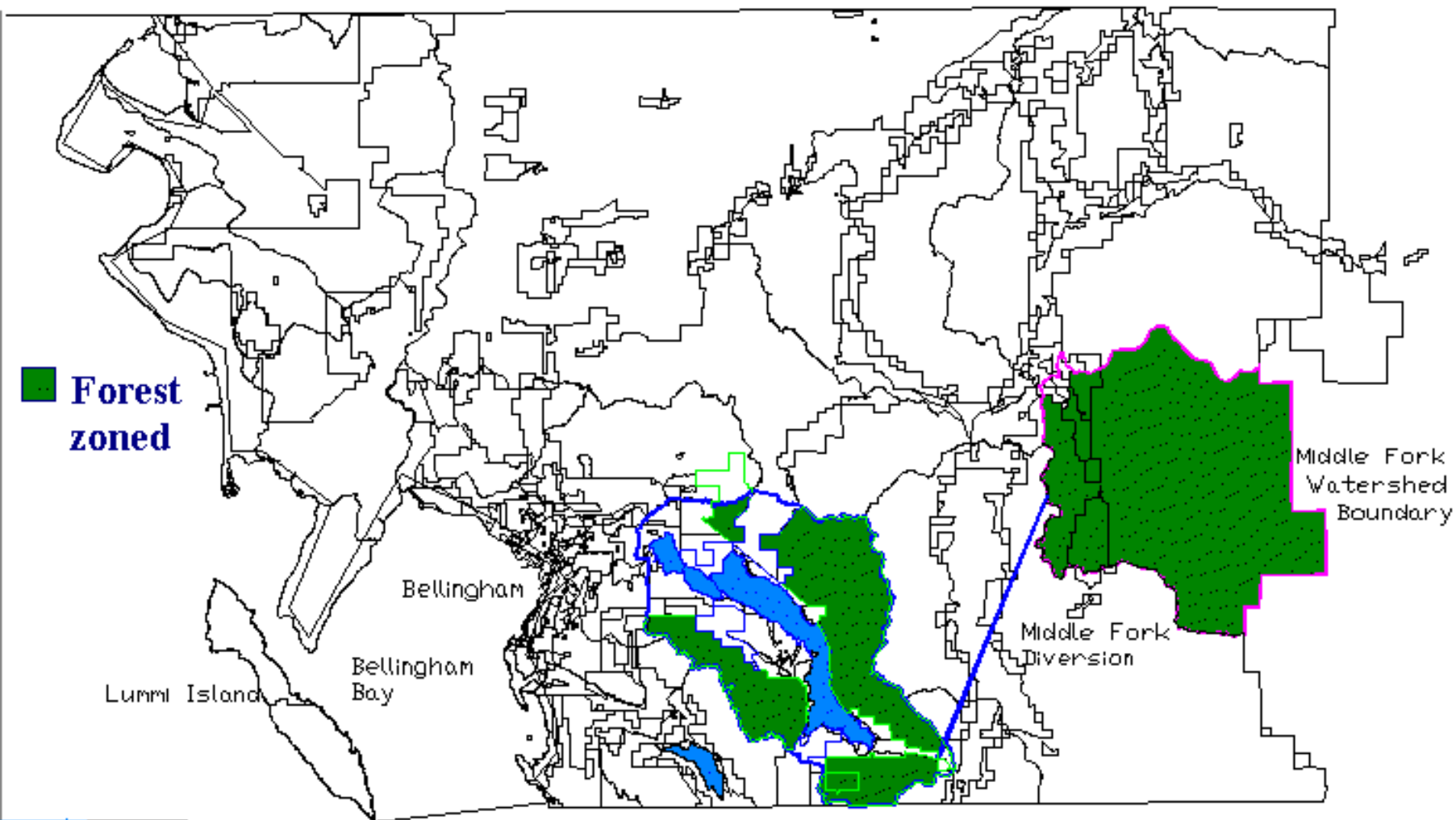












**Lake Whatcom Reservoir Watershed & Middle Fork
Nooksack Watershed boundary.**



Looking For Solutions



Evaluation Goals

- Identify Alternative Approaches, including cost estimates, to maintain five million fish statewide kokanee program
- Identify stocking needs to maintain kokanee population in Lake Whatcom
- Develop plan to maintain the 100,000 catchable trout program at Bellingham Hatchery

Review and Summarize

- Current hatchery kokanee programs
- Disease history of the statewide program
- Current and historical fish management planning documents for kokanee
- All existing genetic information on statewide kokanee stocks

Identify Feasible Production Options

- Potential Broodstock options
- Hatchery upgrades in infrastructure, water, and personnel needed to support new collection sites
- Fish health issues
- Any ESA issues
- Cost estimate for each option
- Prioritize options















