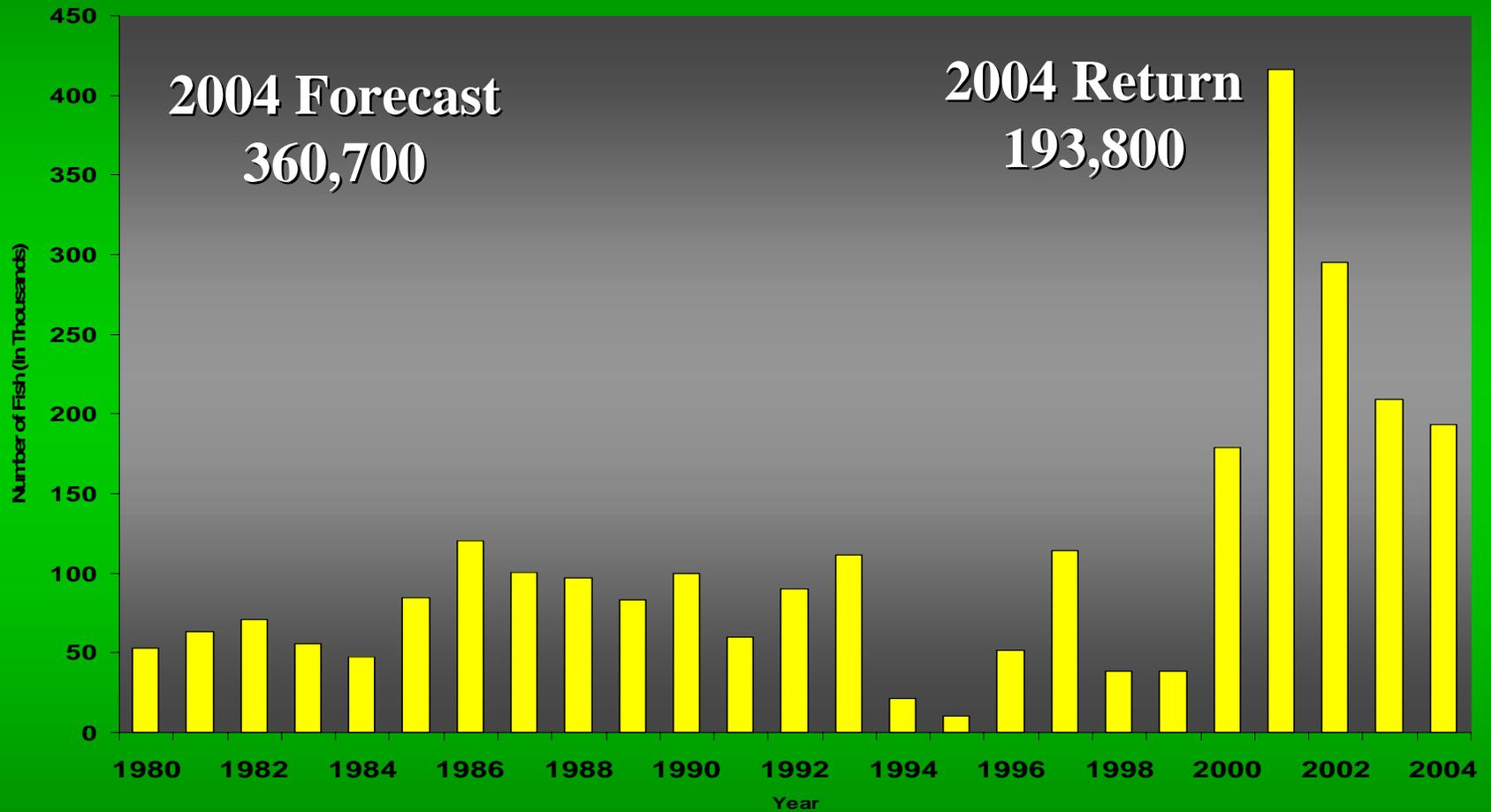


**Preliminary Review of
2004 Columbia River
Fish Runs and Fisheries**

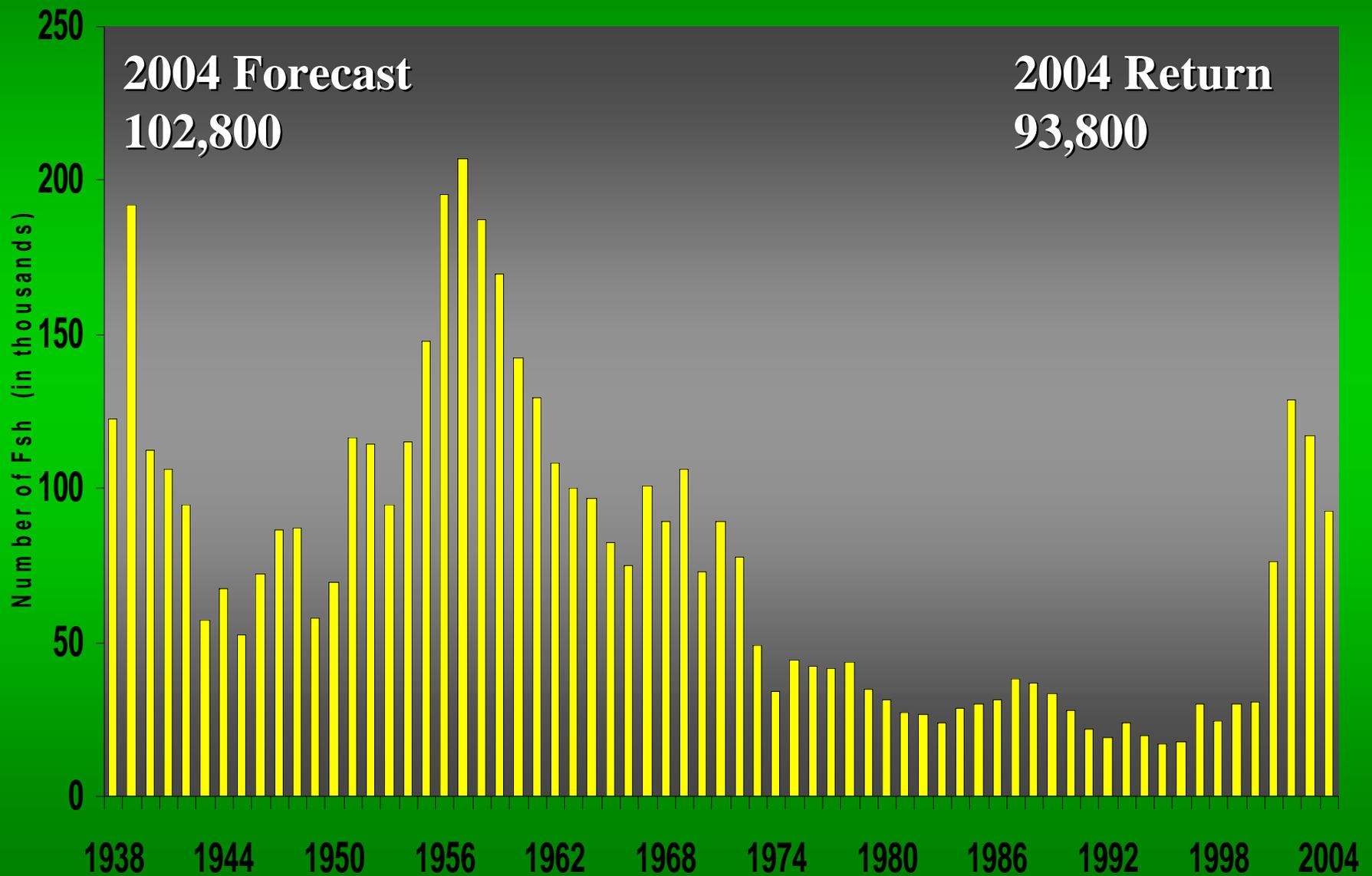
Upriver Spring Chinook Returns 1980-2004



Spring Chinook Fisheries 2004

- 164,000 angler trips
 - 23,700 spring chinook kept
- Commercial harvest of 13,500 fish
- SAFE commercial harvest of 10,600 fish
- Treaty harvest of 17,400 fish

Columbia River Summer Chinook Returns 1938-2004

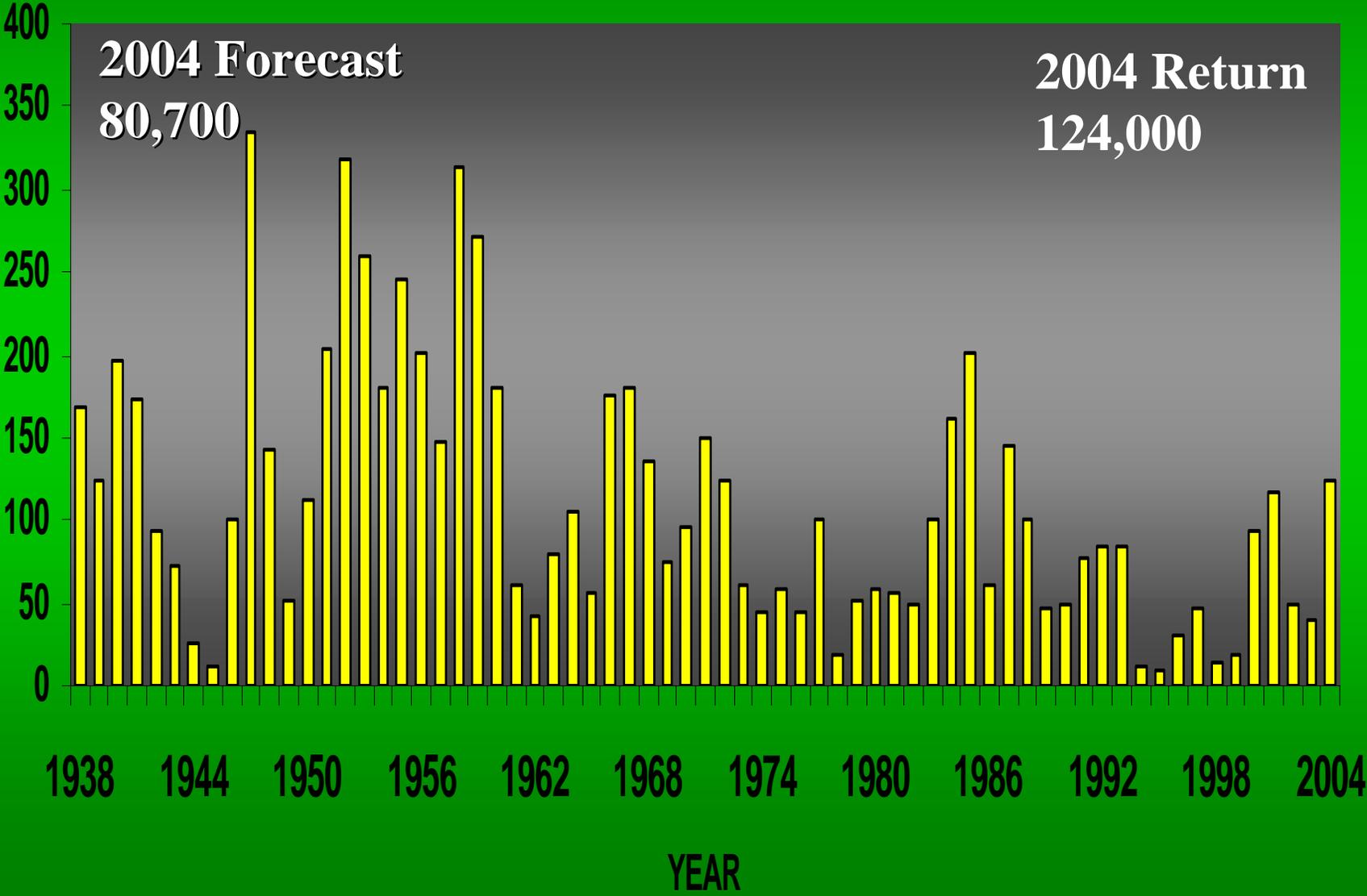


Summer Chinook Fisheries 2004

- 41,900 angler trips
 - 1,100 summer chinook kept
- Commercial harvest of 200 fish
- Treaty harvest of 8,700 fish

Columbia River Sockeye Returns

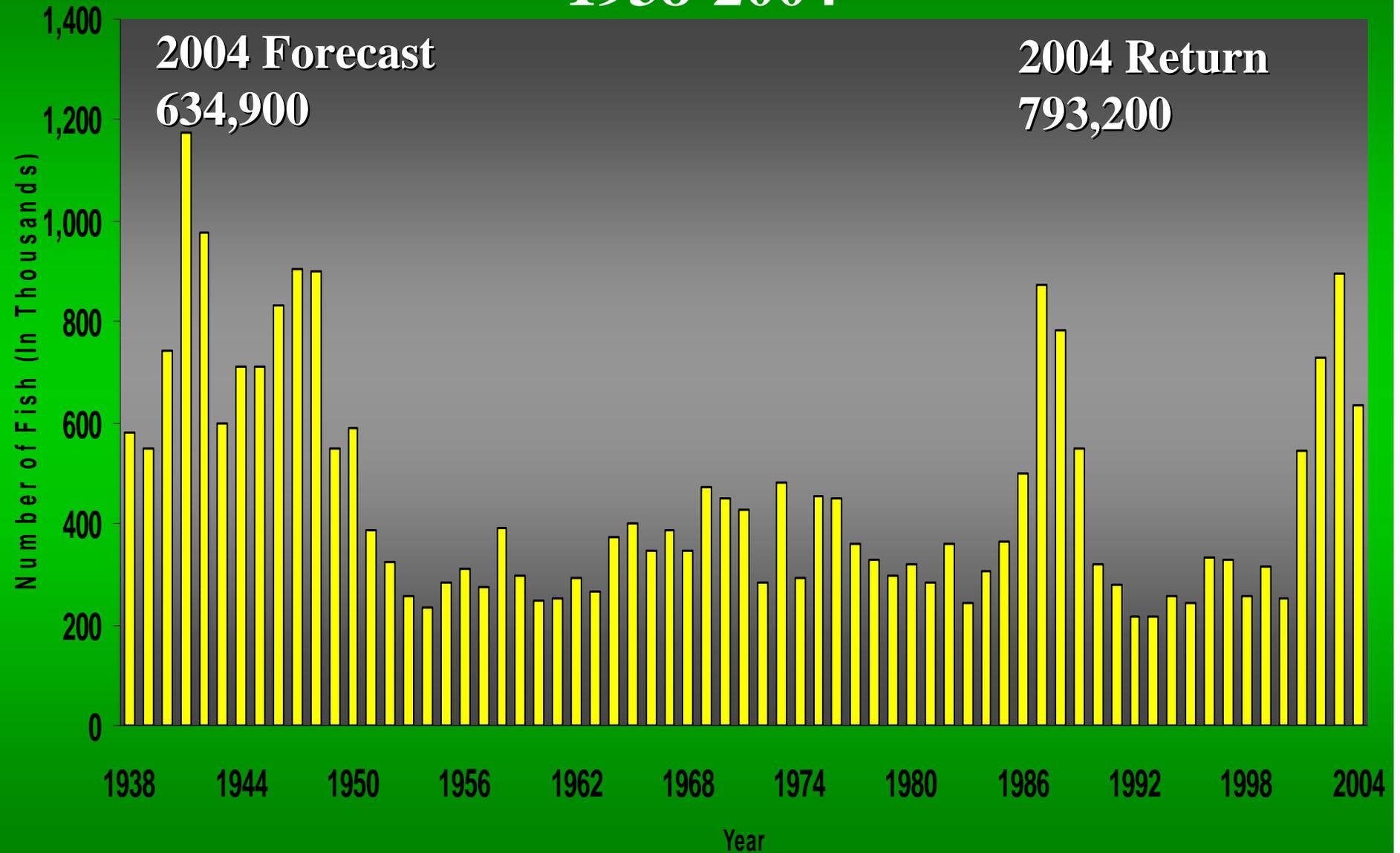
1938-2004



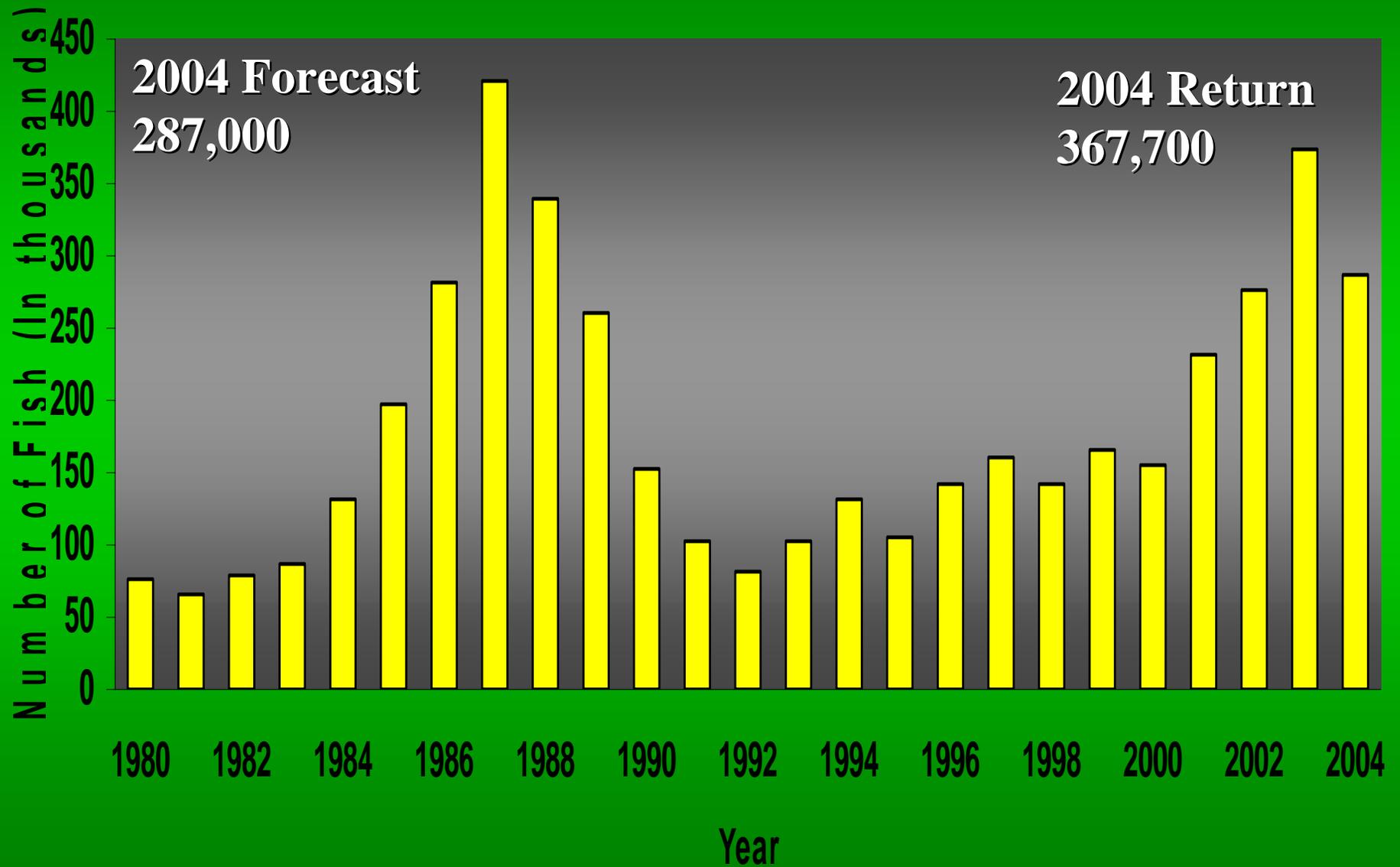
Sockeye Salmon Fisheries 2004

- Non-Indian commercial harvest of 700 fish
- Treaty commercial harvest of 4,700 fish
- Sport fisheries minor in Columbia River
 - Lake Wenatchee harvest 5,400 fish

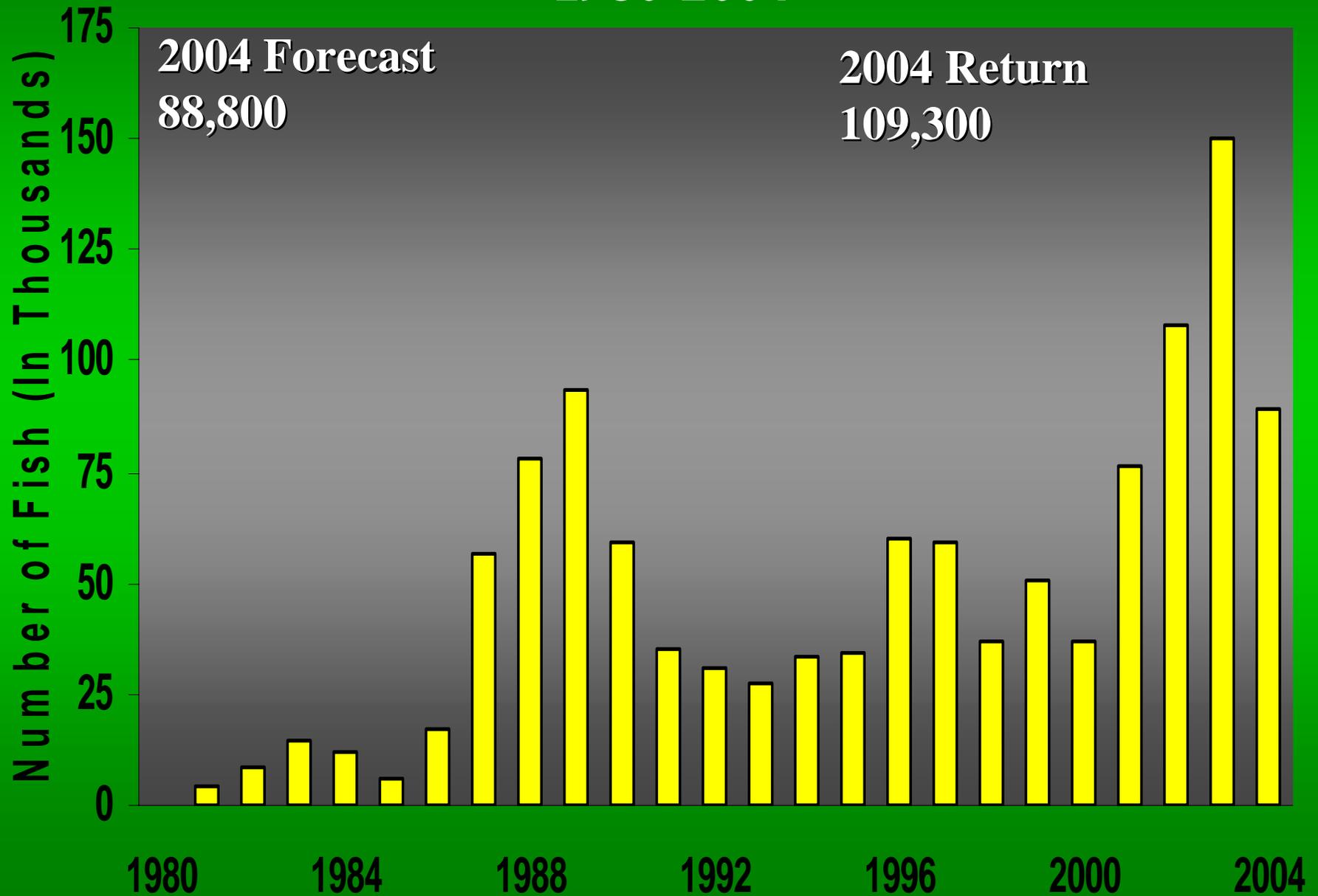
Columbia River Fall Chinook Returns 1938-2004



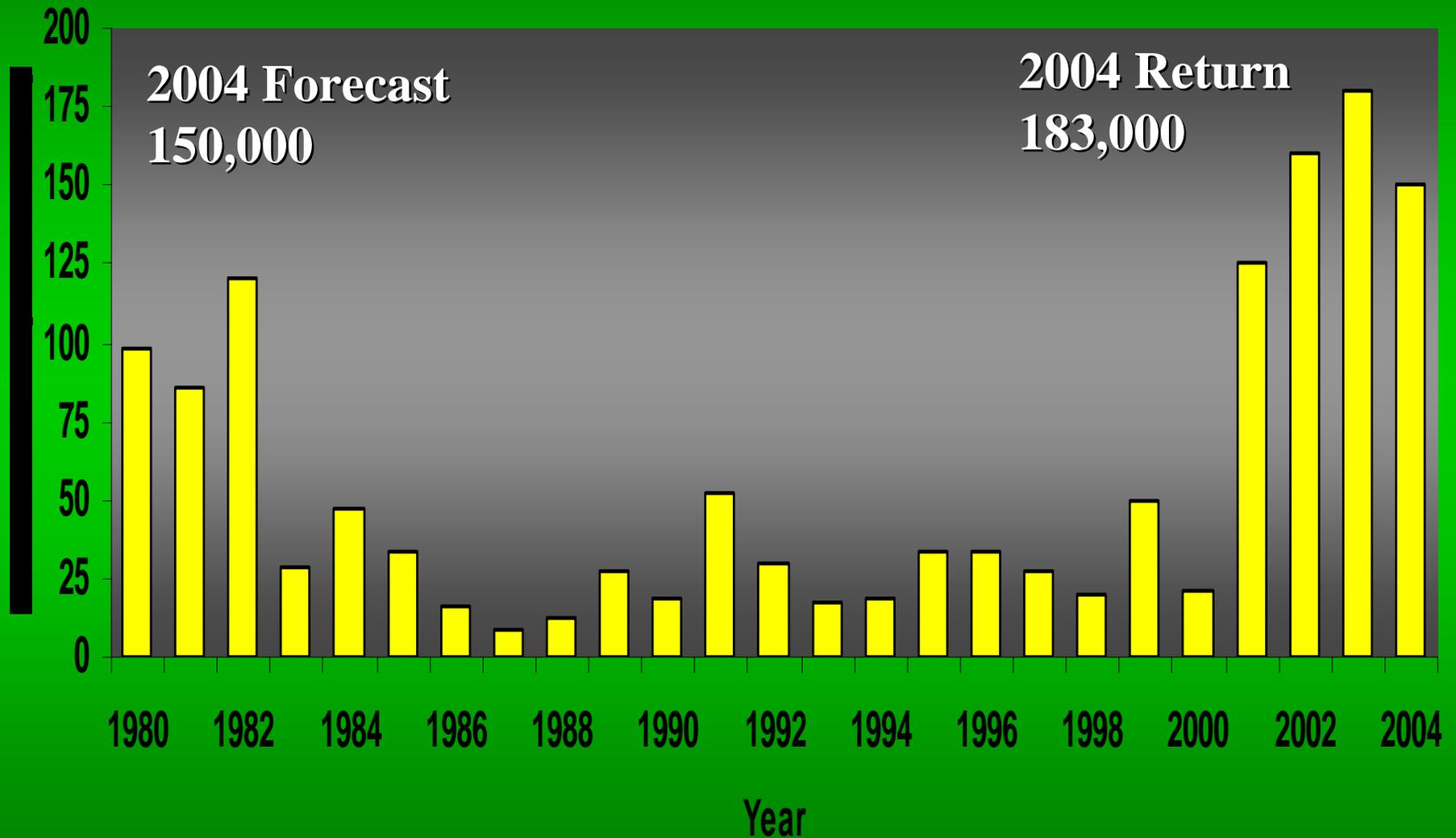
Upriver Bright Fall Chinook Returns 1980-2004



Mid-Columbia Bright Fall Chinook Returns 1980-2004



Bonneville Pool Hatchery Fall Chinook Returns 1980-2004



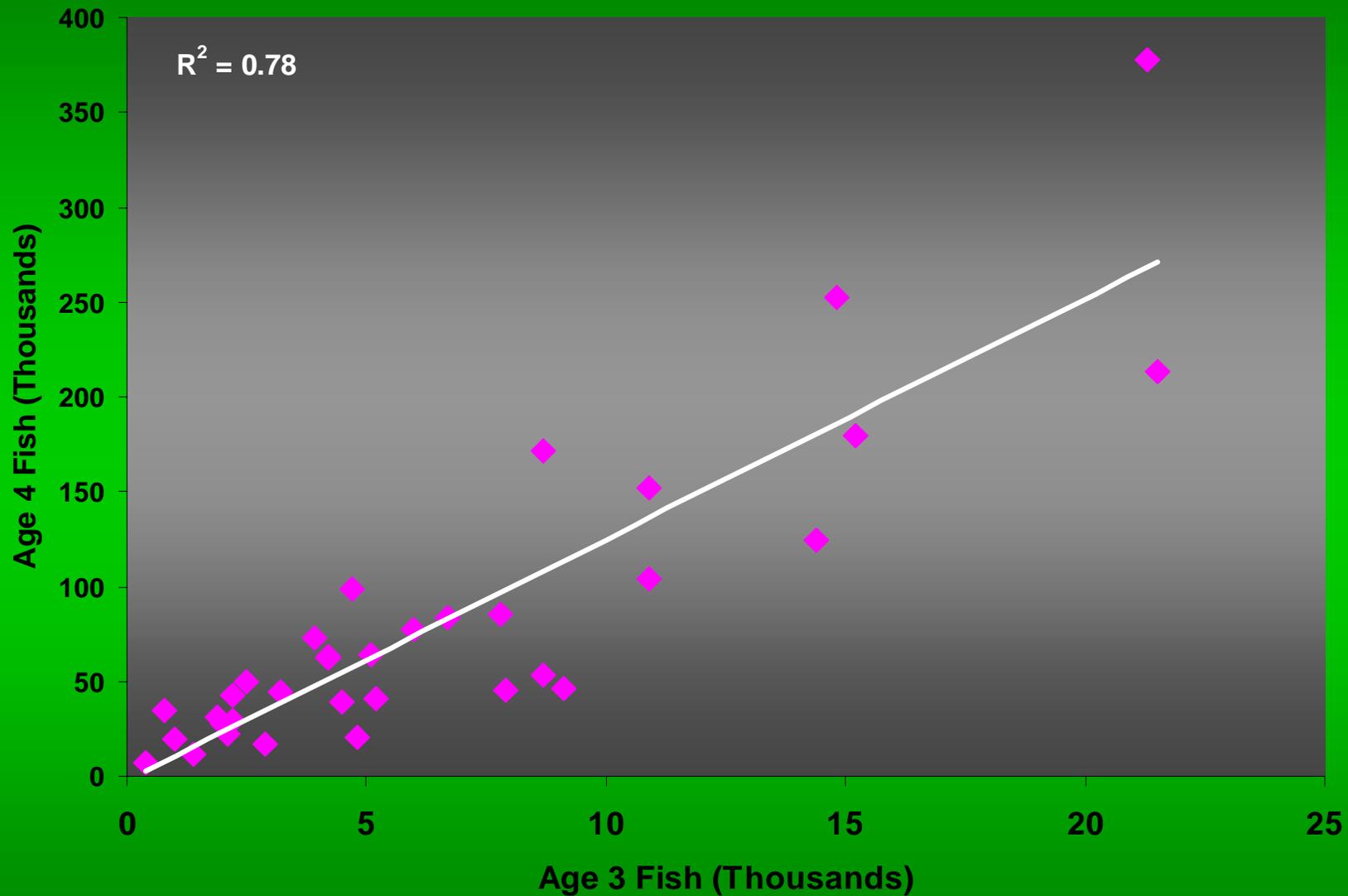
Fall Chinook Fisheries 2004

- 82,500 Angler trips
 - chinook kept 34,100
- Commercial harvest of 39,600
- Treaty harvest of 125,900

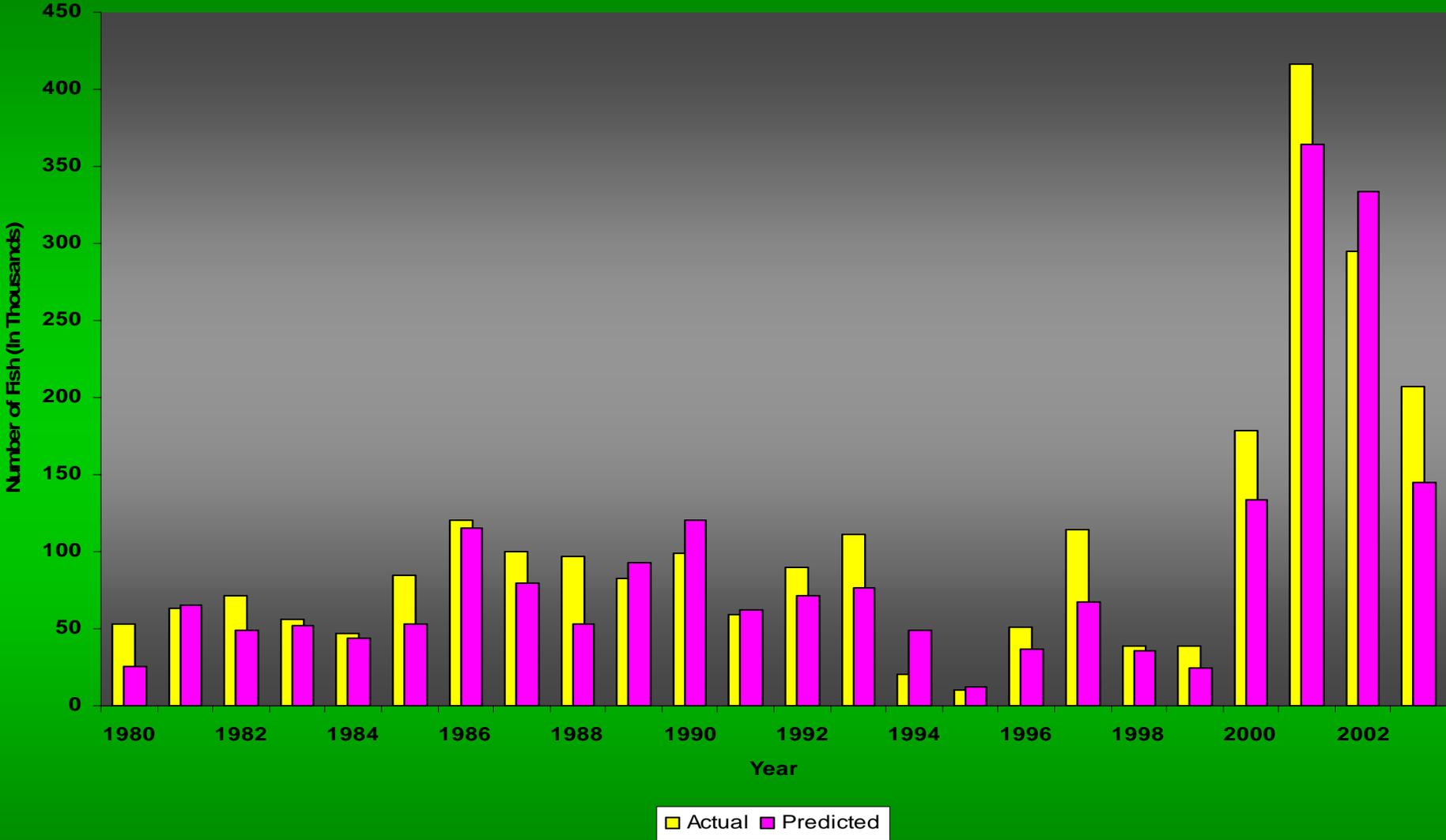
Forecasting Techniques

- Total Returns include:
 - fishery harvest
 - hatchery and natural escapement
 - dam counts
- Database divided into stock and age components
 - CWT and scale analysis
- Forecasts by brood year

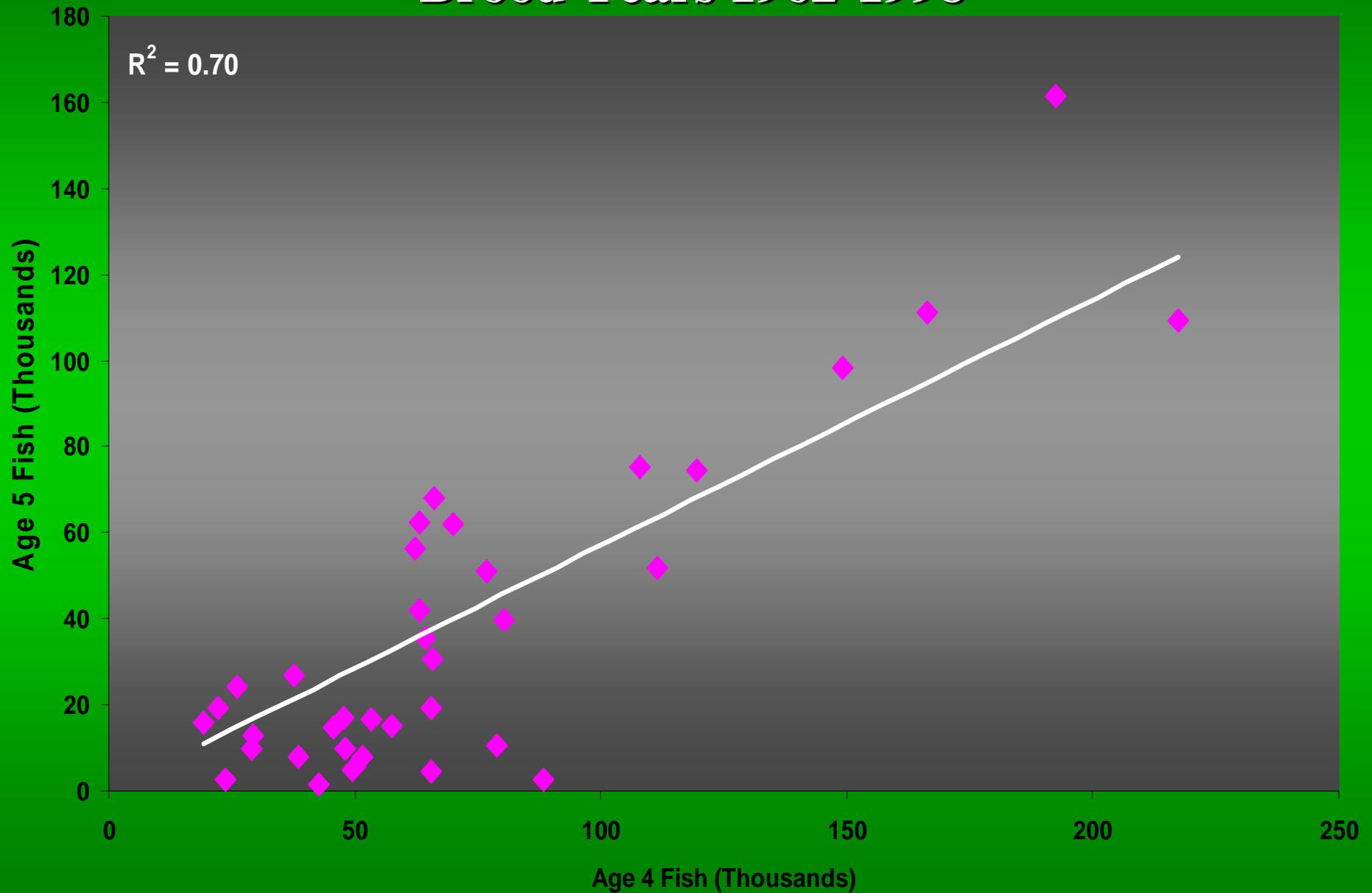
Upriver Spring Chinook Brood Years 1967-2000



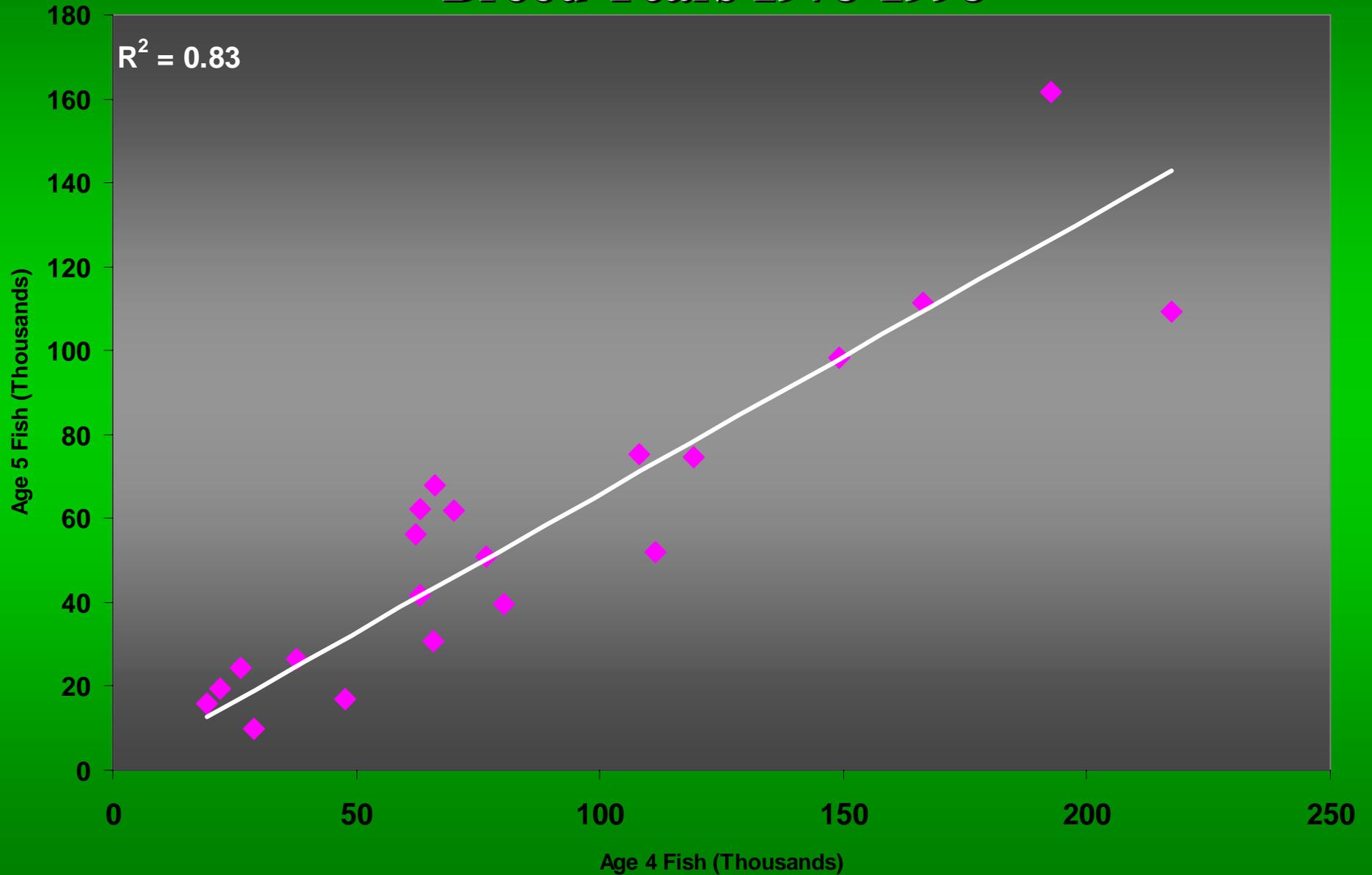
Forecast Accuracy Upriver Spring Chinook



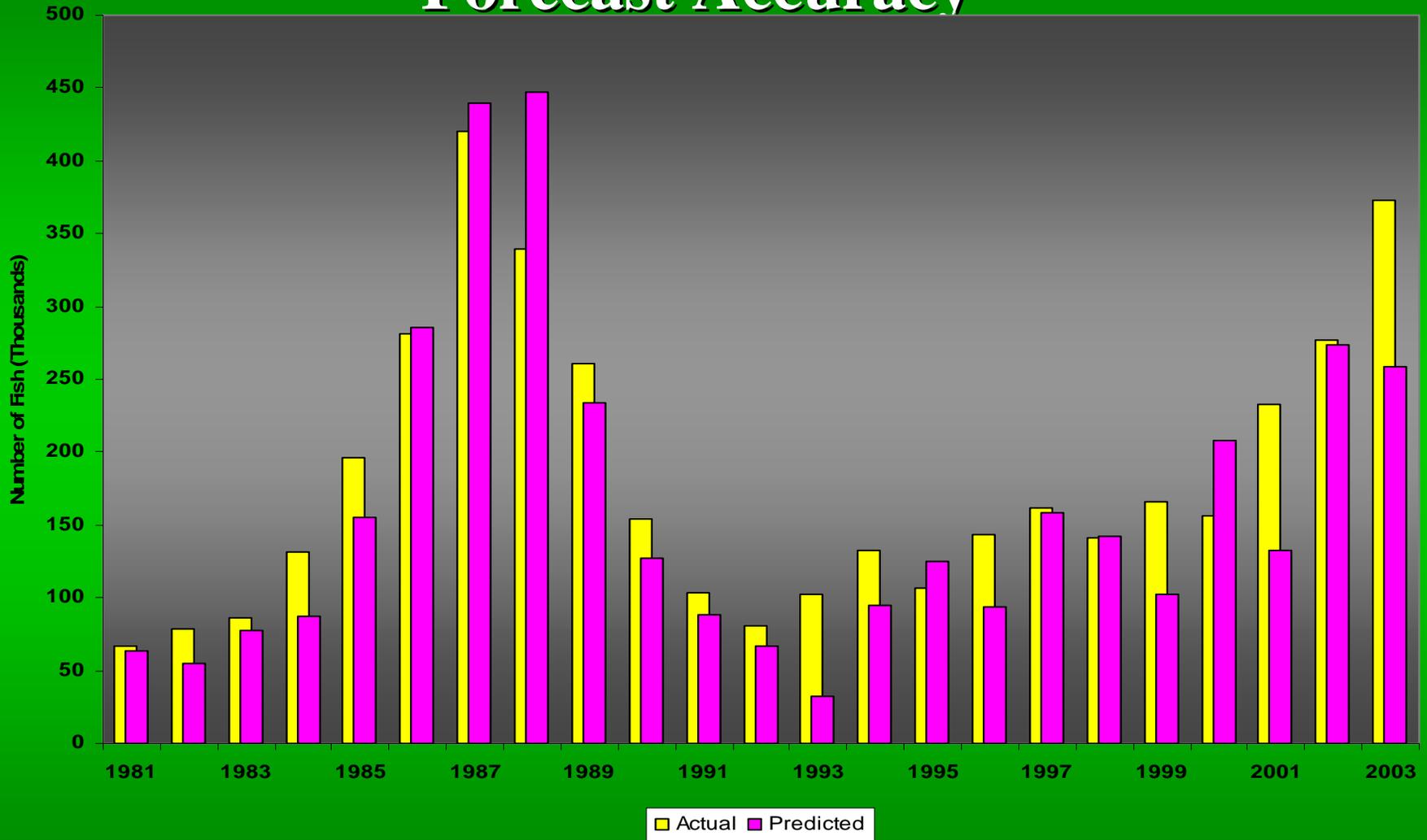
URB Linear Regression Brood Years 1962-1998



URB Linear Regression Brood Years 1978-1998



Upriver Bright Fall Chinook Forecast Accuracy



Fall Chinook Forecast Accuracy

