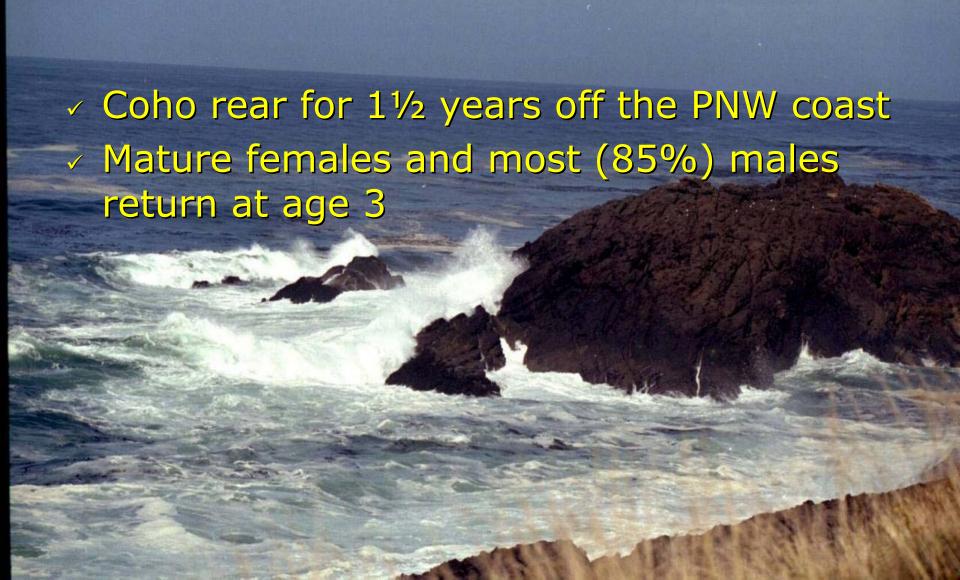
Coastal Coho Biology







Ocean Rearing



- Jack coho return at age 2
- Mature adults
 stage near their
 natal stream in
 the fall





Incubation

- Eggs incubate in clean gravel
- Fry emerge in3 months
- Fry move to the stream margins after emergence

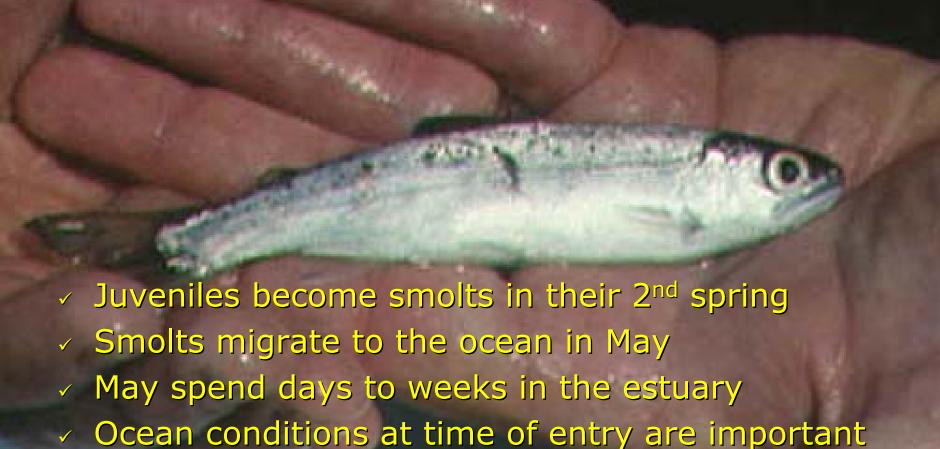


- Coho juveniles rear in freshwater for 1 year
- Prefer complex pool habitat
- Summer habitat is important.
- Protective over-winter habitat is also important





Migration to the Ocean



Biological Attributes of Coho Populations



Applying criteria from the Native Fish Conservation Policy to the Oregon Plan Assessment

Native Fish Conservation Policy

- Developed to be consistent with NOAA Fisheries' "Viable Salmonid Populations" concept
- Based on measurable criteria
- These criteria are being used in assessing the coastal coho species management unit (SMU)

Measurable Criteria

- 1. Distribution of Populations
- 2. Abundance for Constituent Populations
- 3. Within and Among Population Diversity
- 4. Population Connectivity
- 5. Survival Rate to Critical Life History Stage
- 6. Standardized Rate of Population Growth
- 7. Forecast Likelihood of SMU Persistence Near and Long Term

Using the NFCP for Near-Term Persistence

- ODFW Stock Status Report under development
- NFCP Interim Criteria developed to give a "snap shot" of population and SMU health
- Criteria look at population performance for the last five years
- Meant to identify species management units that need immediate attention

Coastal Coho SMU

ESA Designation: Proposed Threatened 2004 NFCP Interim Assessment: Not at Risk

The Coastal Coho SMU extends from the Necanicum River south to the Sixes River. The SMU includes 19 populations in ocean tributaries that were assessed for this report. Each of the interim criteria were met by at least 80% of the populations. Recent escapements have been at or near record lows. However, numbers, distribution and productivity have rebounded for most populations in the last four years following improved ocean productivity. These improvements are encouraging, but it is not clear whether all underlying factors for the recent decline have been addressed or if this is just a result of improved ocean conditions.

Distribution

Abundance

Productivity

Independence

Hybridization

20

40

60

80

100

Oregon

	Population	Exist	Dist.	Abund.	Prod.	Ind.	Hybrid	
	Necanicum/Ecola	✓	✓	✓	✓	✓	✓	
Necanicum	Nehalem	✓	✓	✓	✓	✓	✓	
	Tillamook	✓	✓	✓	✓	✓	✓	
	Nestucca	✓	✓	✓	✓	✓	✓	
Nehalem	Salmon	✓	✓	X	X	X	✓	
	Siletz	✓	✓	✓	✓	✓	✓	
Tillamook	Yaquina	✓	✓	✓	✓	✓	✓	
	Beaver	✓	✓		✓	✓	✓	
Nestucca	Alsea	✓	✓	X	✓	✓	✓	
Salmon -	Siuslaw	✓	✓	✓	✓	✓	✓	
Siletz	Upper Umpqua	✓	✓	✓	✓	X	✓	
Yaquina —	Lower Umpqua	✓	✓	✓	✓	✓	✓	
Велуег	Tahkentich	✓	✓	✓	✓	✓	✓	
Alsea	Siltcoos	✓	✓	✓	✓	✓	✓	
Siuslaw	Tenmile	✓	✓	✓	✓	✓	✓	
Siltcoos - Siusiaw	Coos	✓	✓	✓	✓	✓	✓	
Tahkenitch -	Coquille	✓	✓	✓	✓	✓	✓	
Tenmile -	Floras	✓	✓			✓	✓	
Coos L. Umpqua	Sixes	✓	✓			✓	✓	
		· L.		763	E	xist =	Percent of	Existing Populations Meeting Criter

Coquille

Floras

U. Umpqua

All criteria met

4-5 criteria met

4 criteria met
Info. Lacking

