

## **GRAYS HARBOR -- CHEHALIS/GRAYS HARBOR** **BULL TROUT/DOLLY VARDEN**

### **STOCK DEFINITION AND ORIGIN**

Bull trout/Dolly Varden in the Chehalis River/Grays Harbor system have been identified as a distinct stock based on their geographic distribution. Bull trout/Dolly Varden have been caught in the anadromous zone in the spring and fall. Most reported are 457 mm or larger.

Spawn timing and locations are unknown.

Chehalis/Grays Harbor bull trout/Dolly Varden are native and are maintained by wild production.

### **STOCK STATUS**

The stock status is Unknown. There is insufficient information to assign stock status with confidence. The only information on this stock is anecdotal accounts from sport fishers (Mongillo 1993).

### **FACTORS AFFECTING PRODUCTION**

**Habitat**--Water quality in the Chehalis River is impacted by pulp mills in the lower river which produce effluents that vary from lethal to benign over a period as short as one day. Logging, agriculture and grazing in the Chehalis basin degrade habitat by removing riparian vegetation, increasing silt loads and decreasing large woody debris. The basin has a relatively low gradient which is not ideal for bull trout/Dolly Varden. The Chehalis and Columbia rivers probably represent the southern end of the range of anadromous char on the west coast.

**Harvest Management**--The Chehalis River is closed to fishing for bull trout/Dolly Varden. There may be some mortality from hook and release of bull trout/Dolly Varden in fisheries targeting other species.

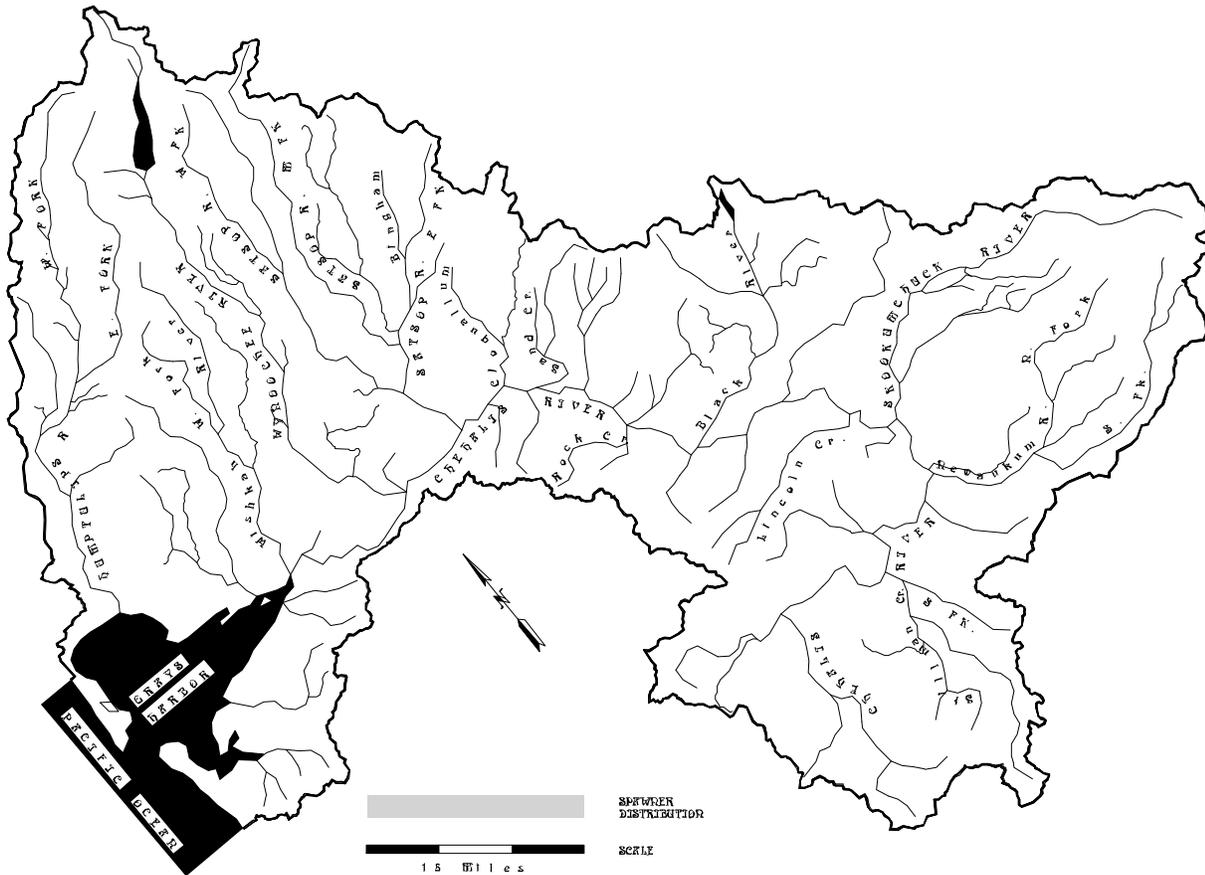
**Hatchery**--Hatchery-origin chinook, coho and steelhead are released into the Chehalis basin, however interactions between them and wild bull trout/Dolly Varden have not been examined.

# STOCK DEFINITION PROFILE for Chehalis/Grays Harbor Bull Trout/Dolly Varden

## SPAWNER DISTRIBUTION

DISTINCT? - Yes

Spawner distribution is distinct for this stock, but specific spawning locations are unknown.



## TIMING

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	DISTINCT?
												Unknown

Spawn timing is unknown for this stock.

## BIOLOGICAL CHARACTERISTICS

DISTINCT? - Unknown

# STOCK STATUS PROFILE for Chehalis/Grays Harbor Bull Trout/Dolly Varden

## STOCK ASSESSMENT

DATA QUALITY -----> No Data

Return Years	NO DATA			
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- 73
- 74
- 75
- 76
- 77
- 78
- 79
- 80
- 81
- 82
- 83
- 84
- 85
- 86
- 87
- 88
- 89
- 90
- 91
- 92
- 93
- 94
- 95
- 96
- 97

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## AVERAGE RUNSIZE DISTRIBUTION

Data not available.

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## STOCK SUMMARY

Stock Origin  
***Native***

Production Type  
***Wild***

Stock Distinction  
***Distribution***

Stock Status  
***Unknown***

Screening Criteria