



Coastal Cutthroat Trout: Past, Present, and Future

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U.S. Department of Interior

U.S. Geological Survey

Oncorhynchus clarki clarki Coastal Cutthroat Trout



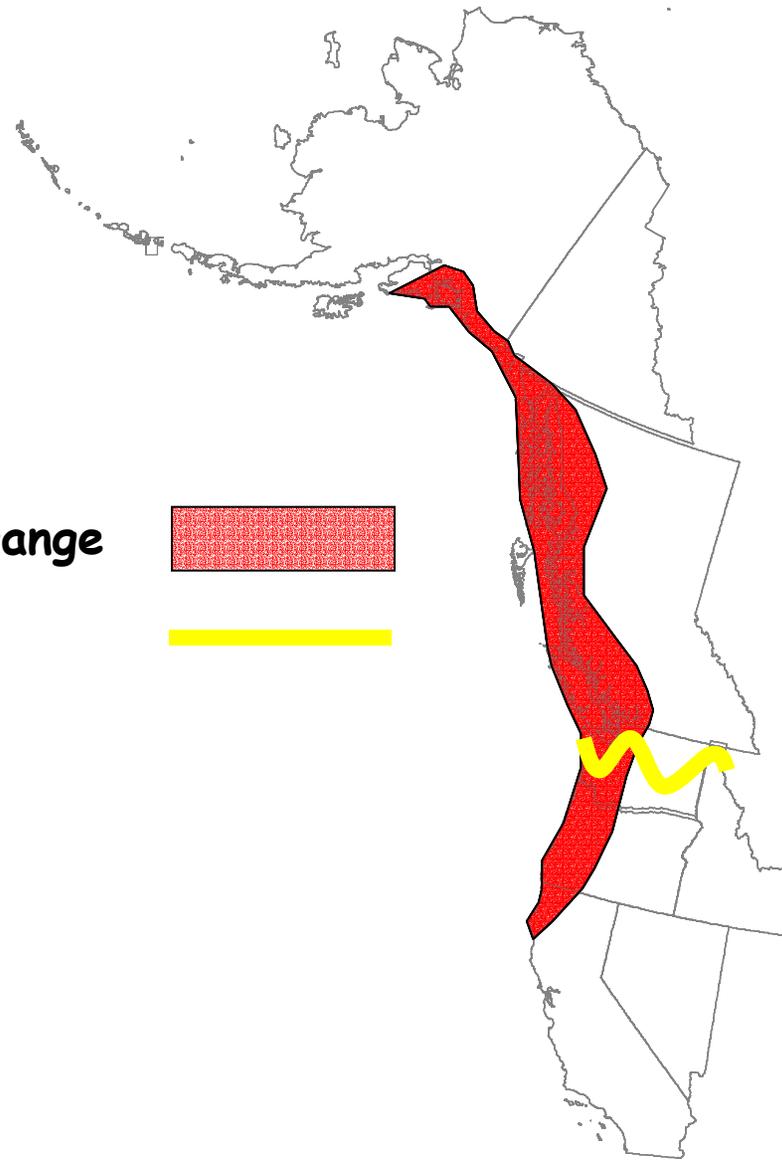
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O. clarki, 210mm, F.L.
CAMP CREEK COASTAL CUTTHROAT

Amelia P. Thomas

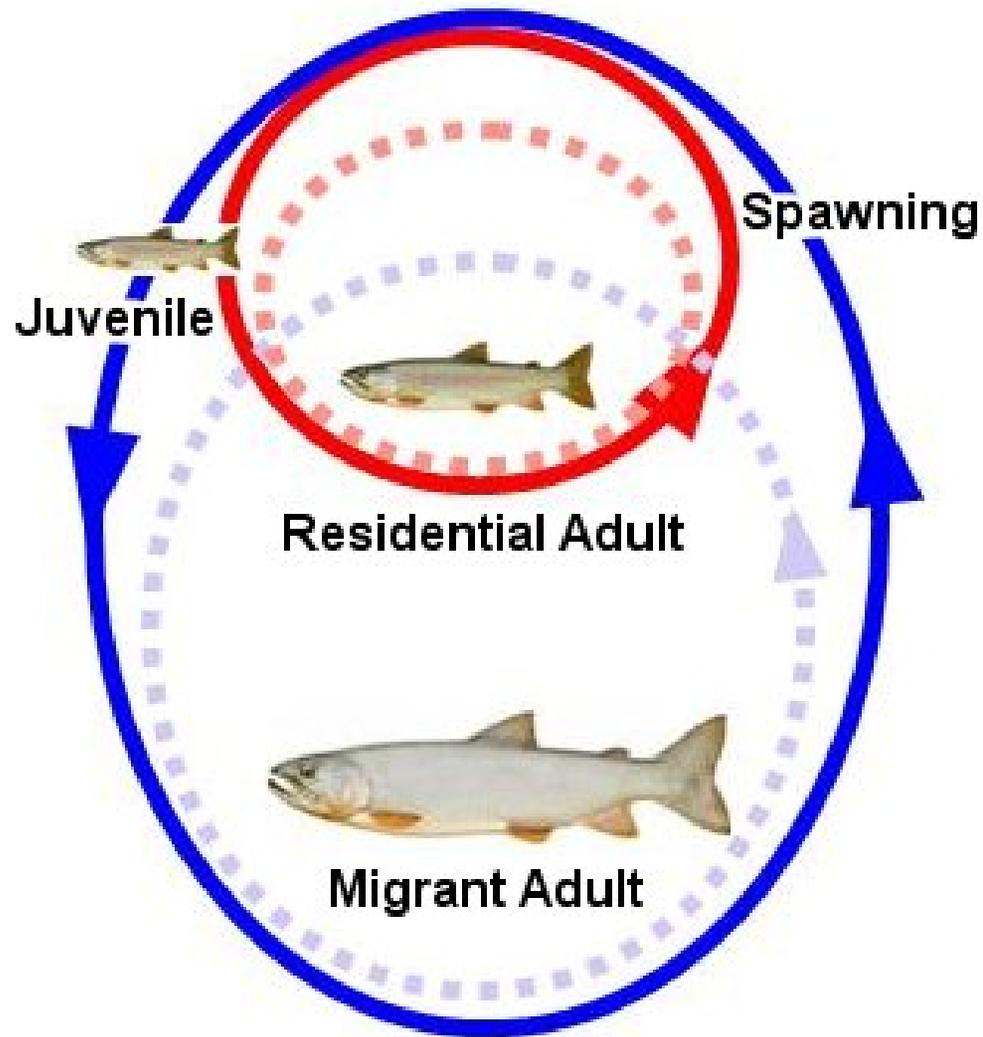


Coastal cutthroat trout range
Glacial extent



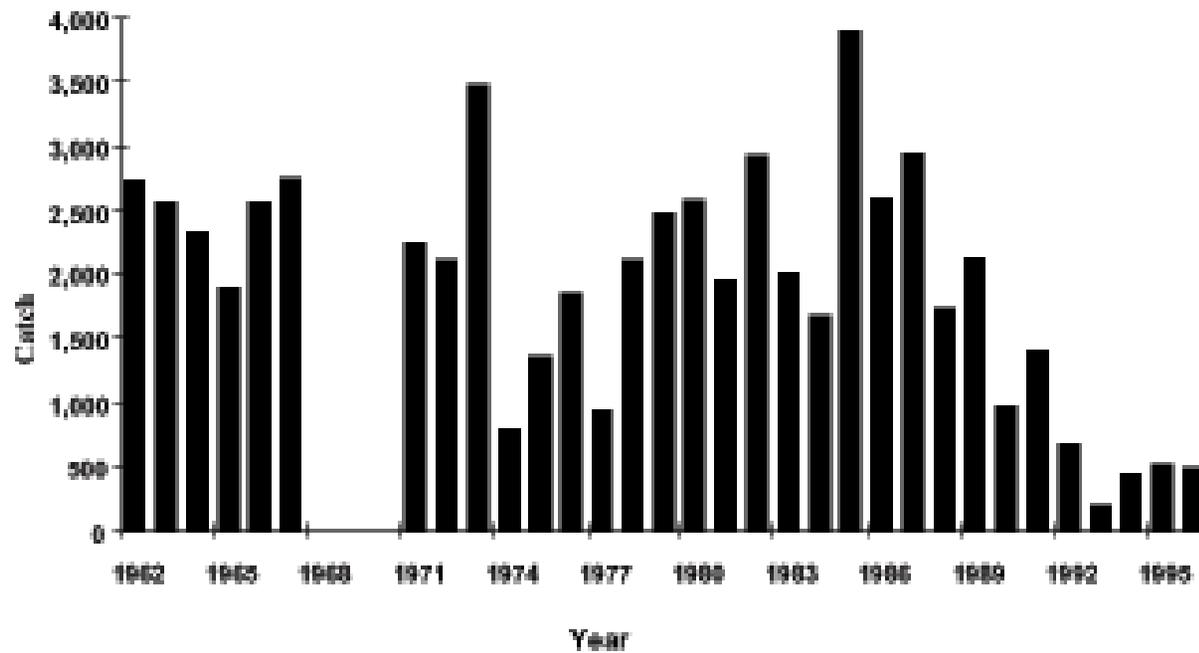
Guy 2004

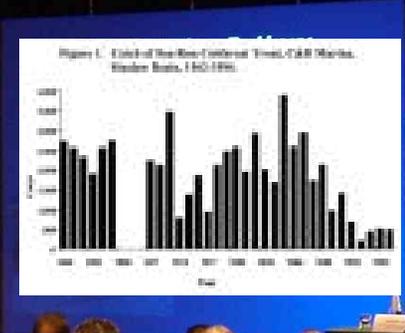
Cutthroat Trout Life History



Past

Figure 1. Catch of Sea-Run Cutthroat Trout, C&D Marina, Sluslaw Basin, 1962-1996.





THE WAY FORWARD
14TH NOVEMBER 2004

"... encourage the development of a coordinated management plan to restore sea-run cutthroat trout populations".

Present



USGS
 science for a changing world

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 Past, Present, and Future**

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U.S. Government Information
 U.S. Geological Survey



THE WAY FORWARD
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ZZZZ...



Forest and Rangeland Ecosystem Science Center

Geo-Referenced Database for Coastal Cutthroat Trout *Oncorhynchus clarki clarki* of Washington and Oregon

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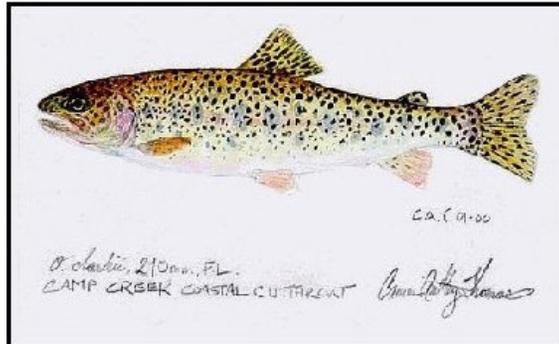
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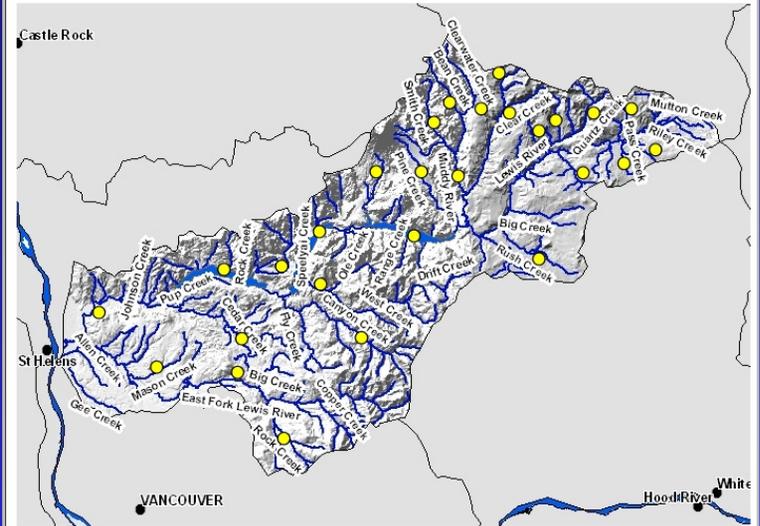
A collaboration between Western Fisheries Research Center's (WFRC) Columbia River Research Laboratory (CRRL) and Forest and Rangeland Ecosystem Science Center (FRESC)



Pacific Northwest Information Node, NBII and NACSE supported web development and net access to this site



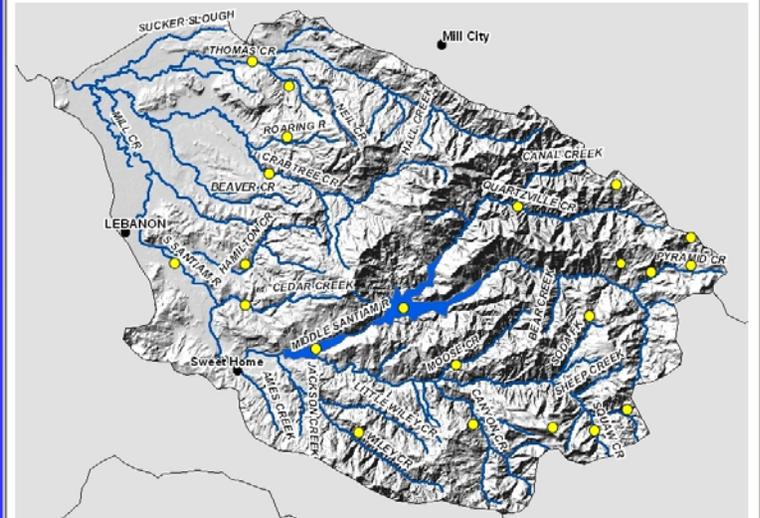
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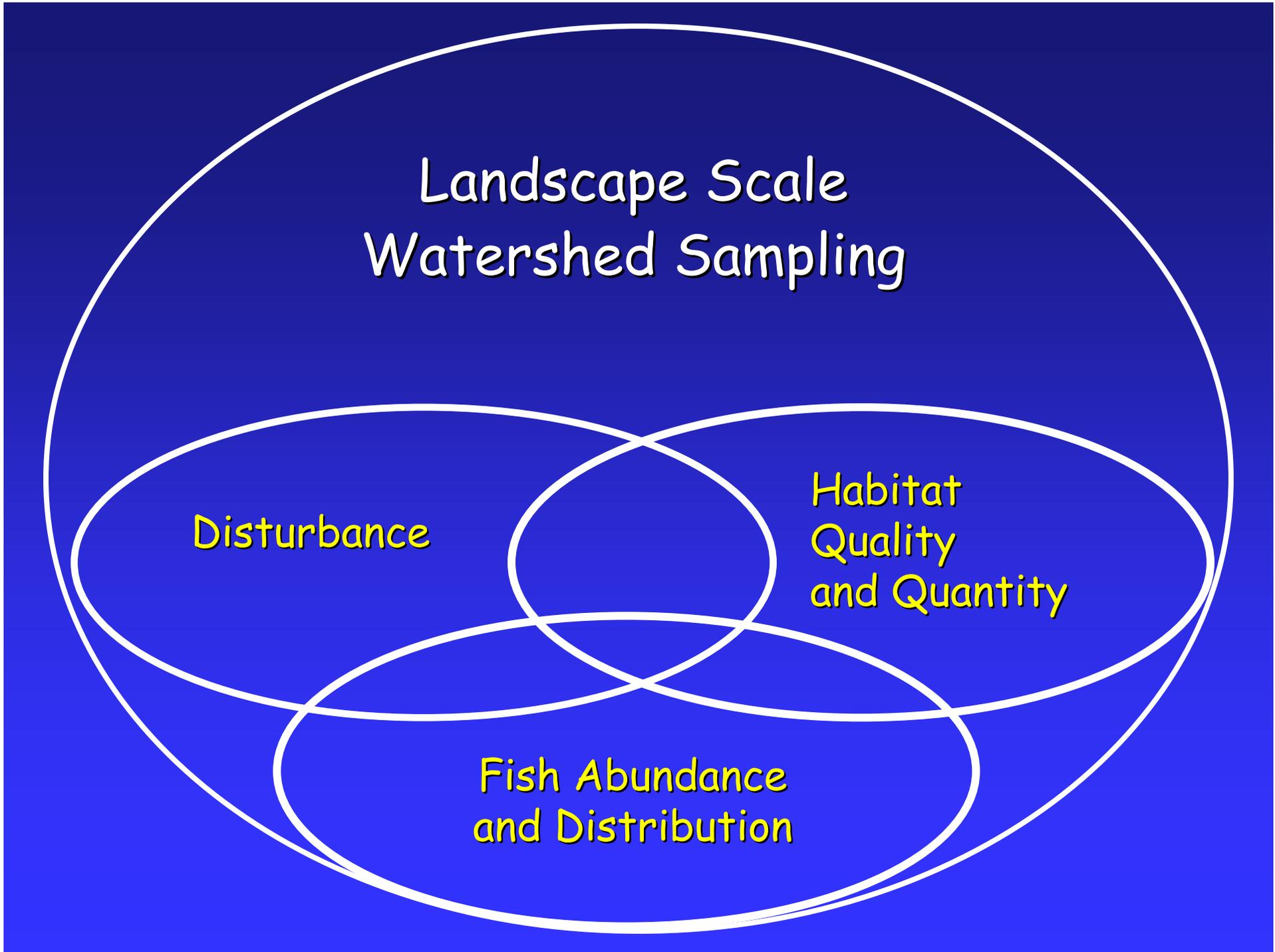
Future

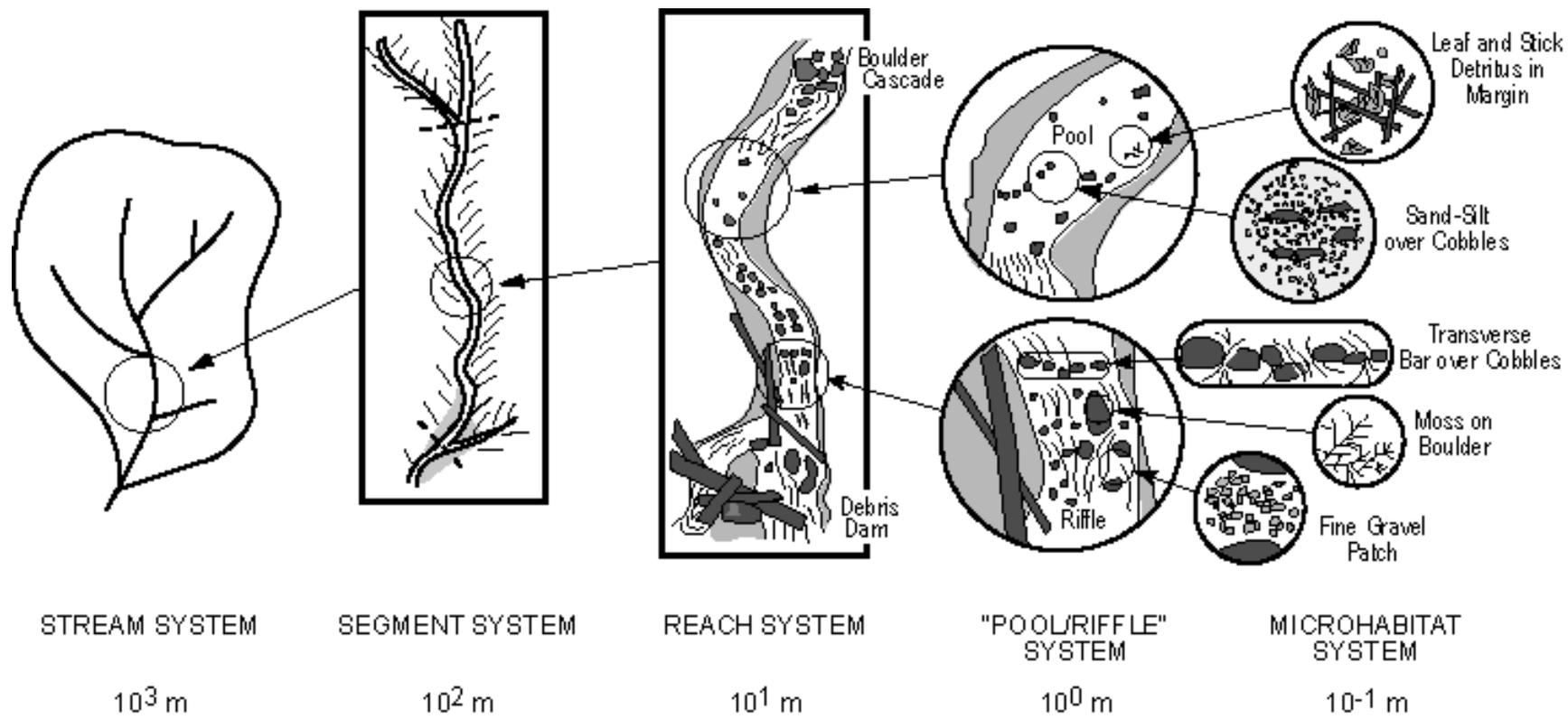
Landscape Scale Watershed Sampling

Disturbance

Habitat
Quality
and Quantity

Fish Abundance
and Distribution

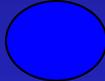




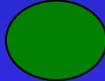
Adapted from Frissell et al. 1986

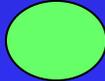


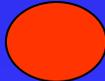
Third-Order Watersheds with an Isolated Population of Cutthroat by Ecoregion and Geology

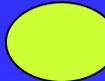
 Coast Range Hard

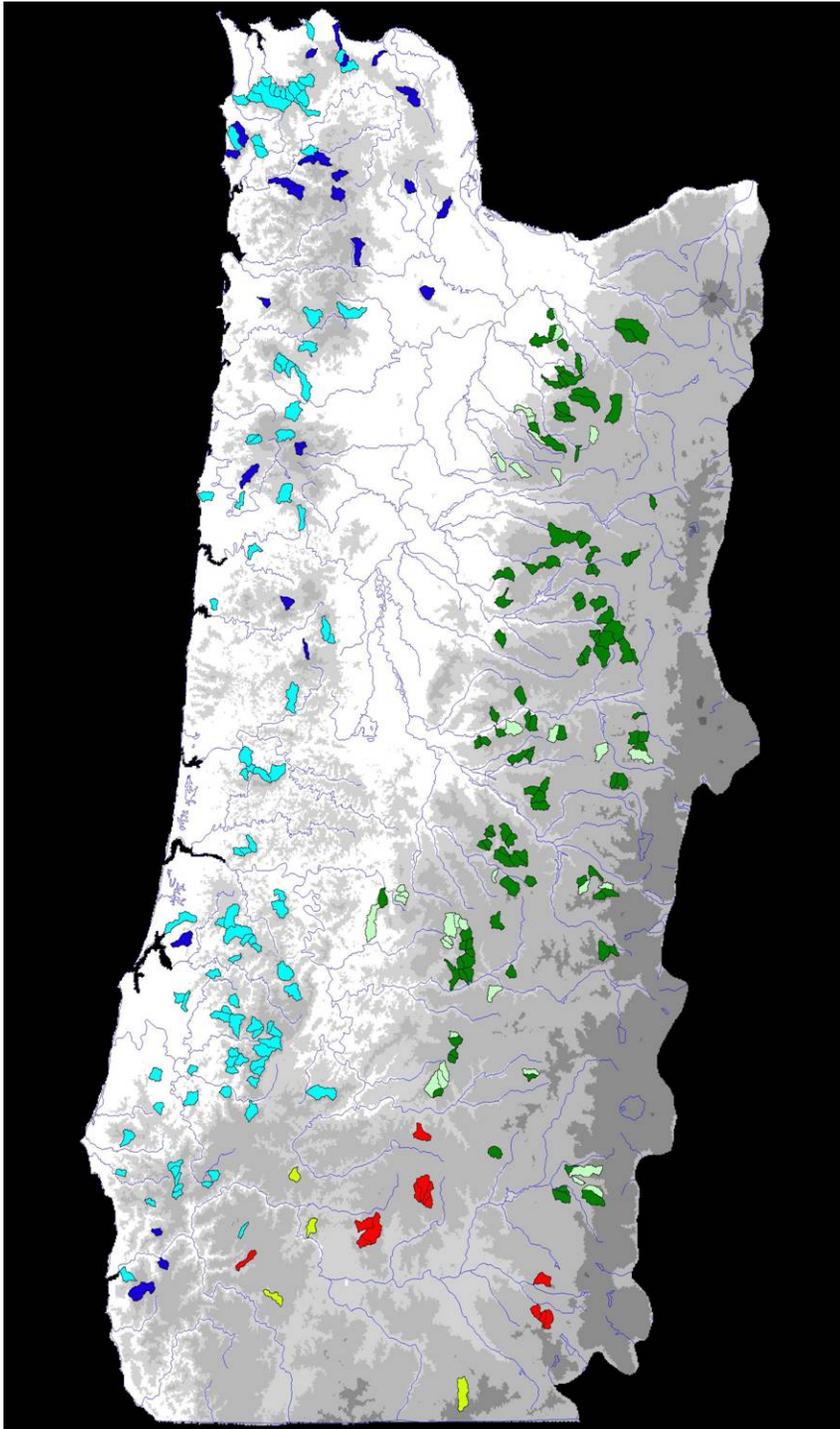
 Coast Range Soft

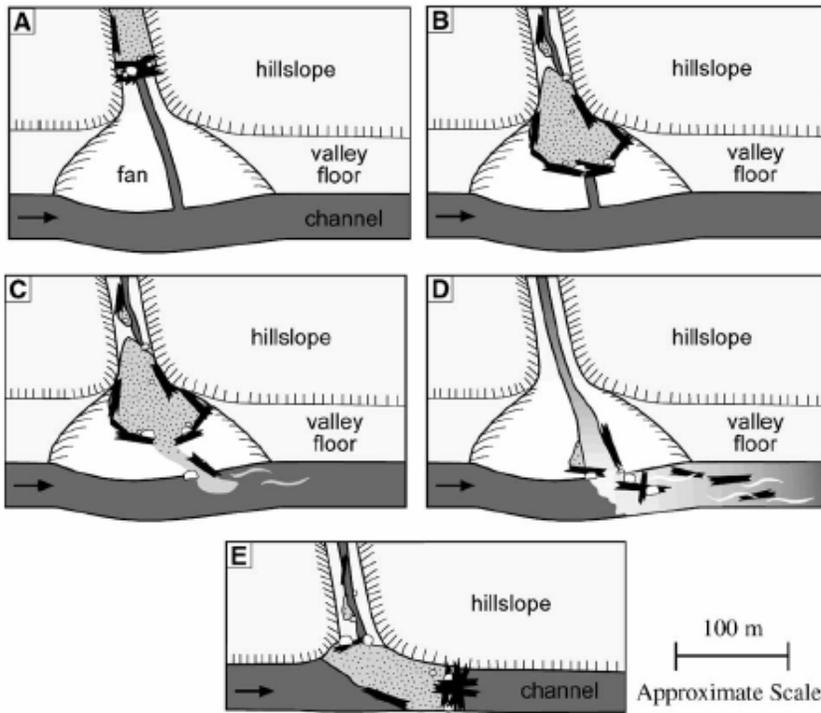
 Cascades Hard

 Cascades Soft

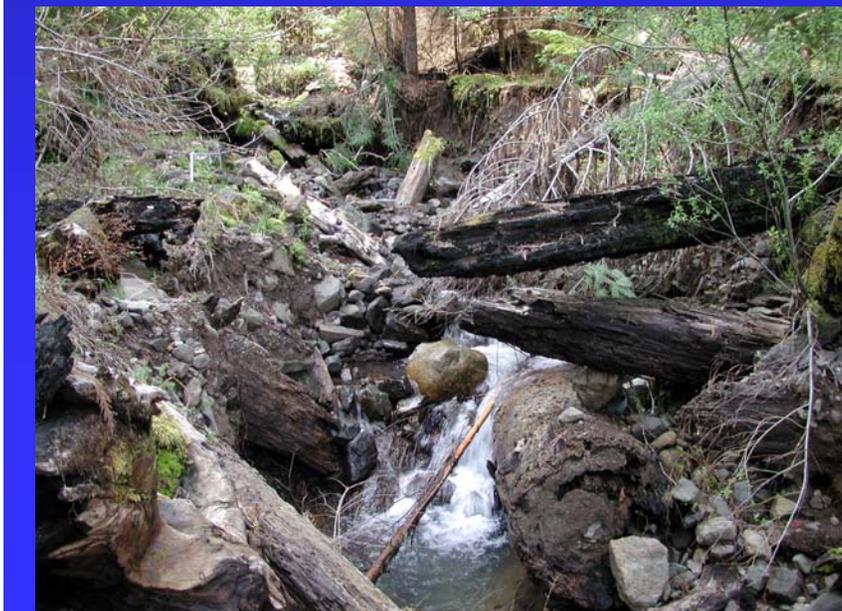
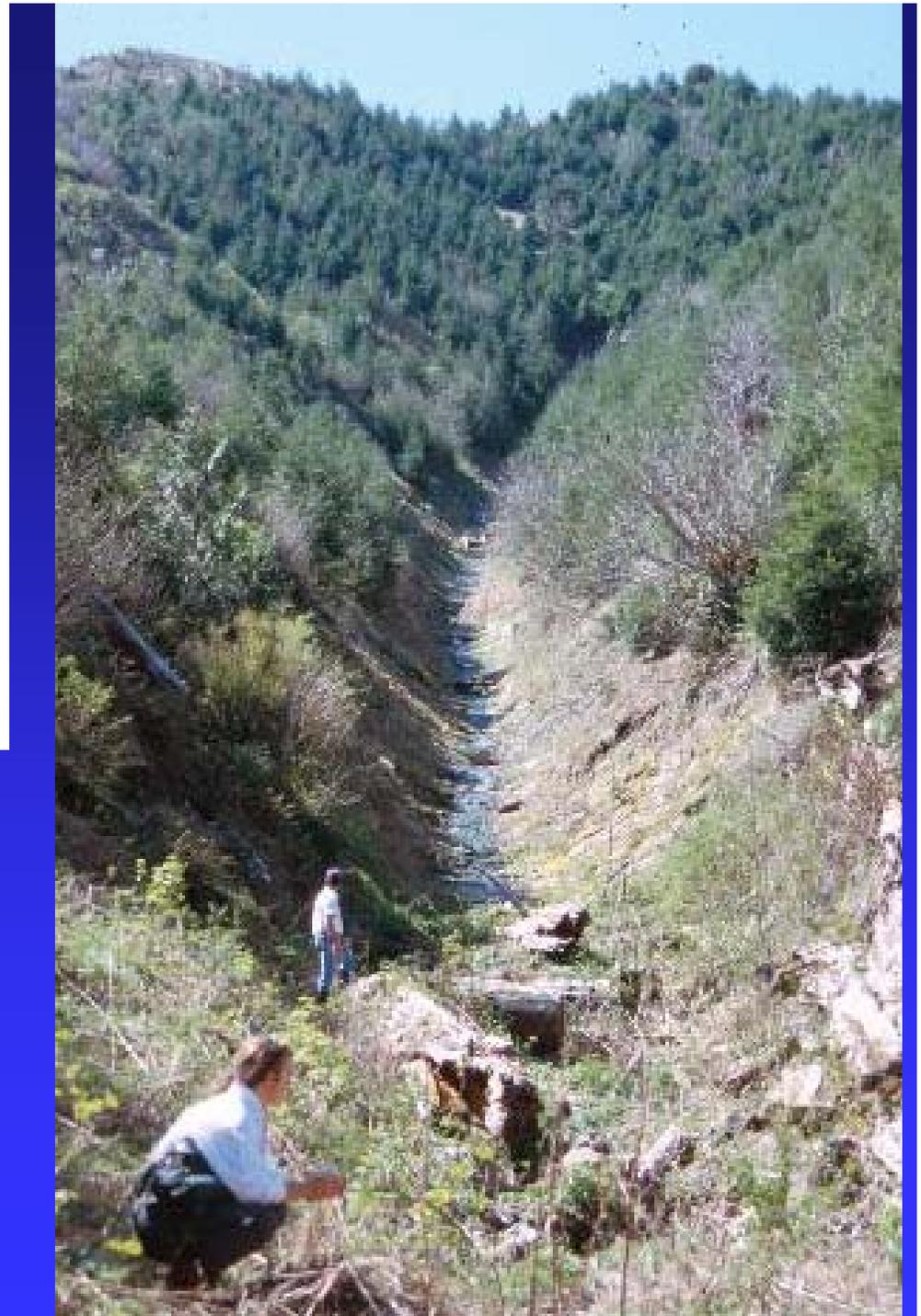
 Klamath Hard

 Klamath Soft





From May and Gresswell (2004) *Geomorphology* 57:135-149

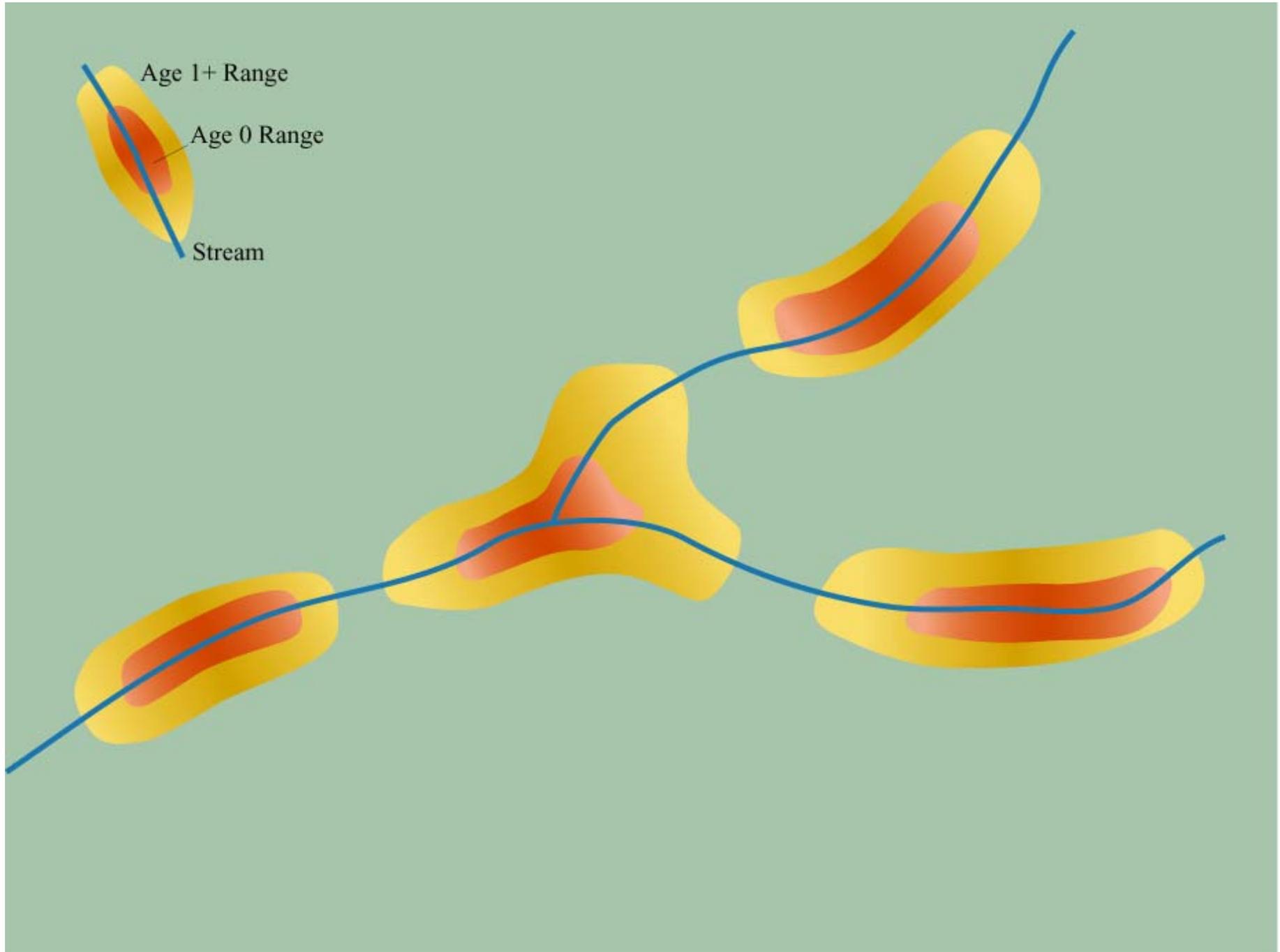


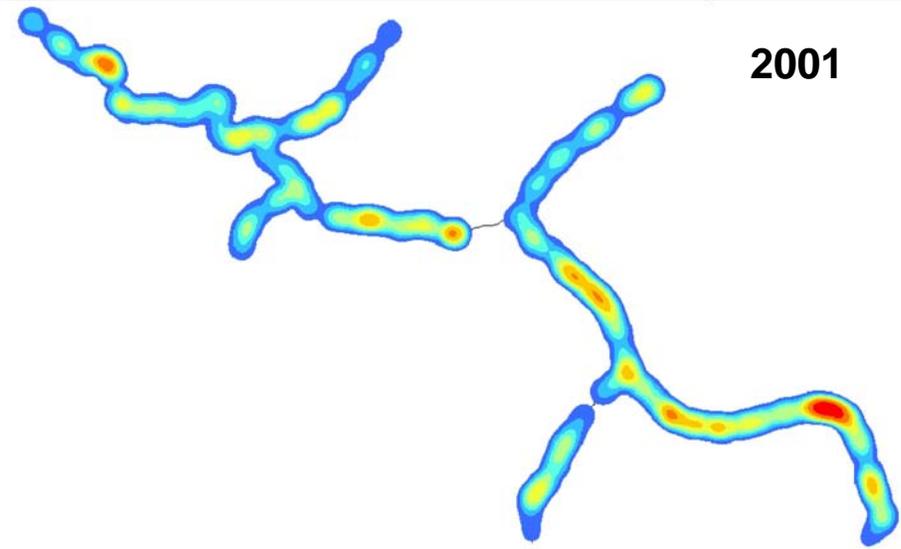
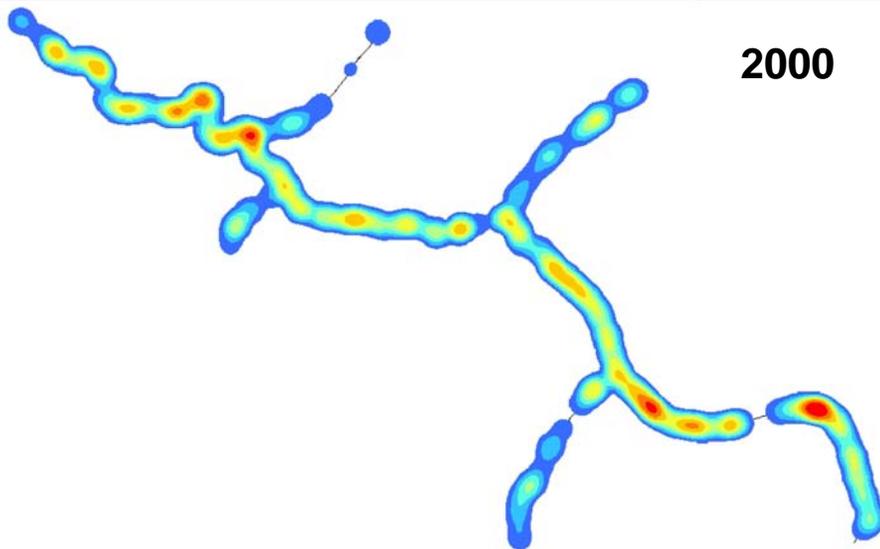
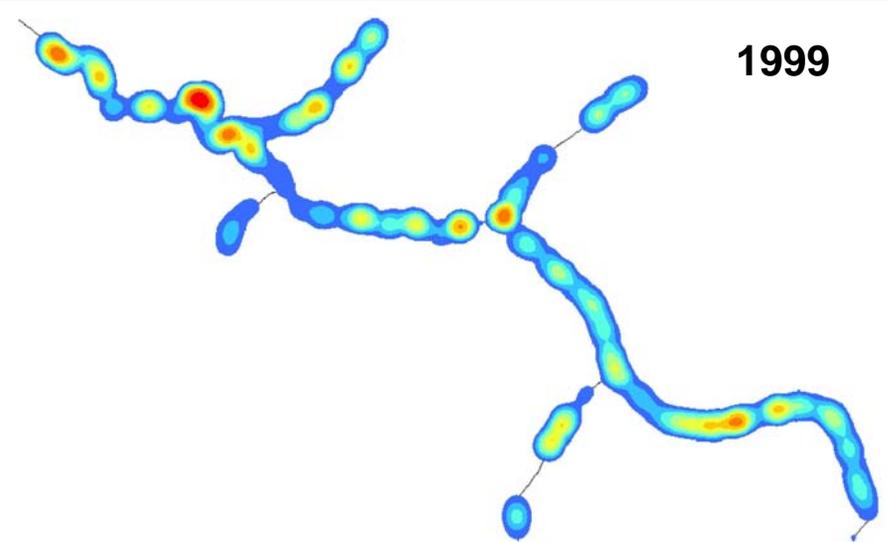
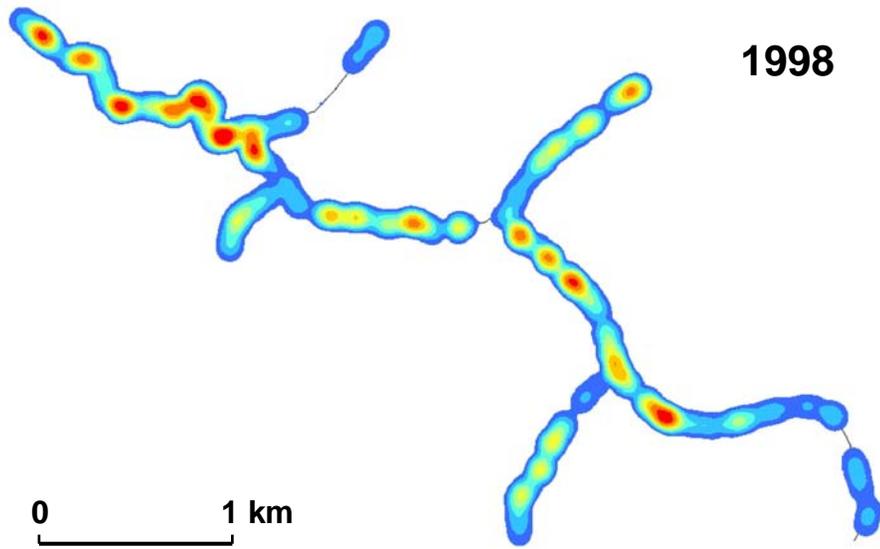










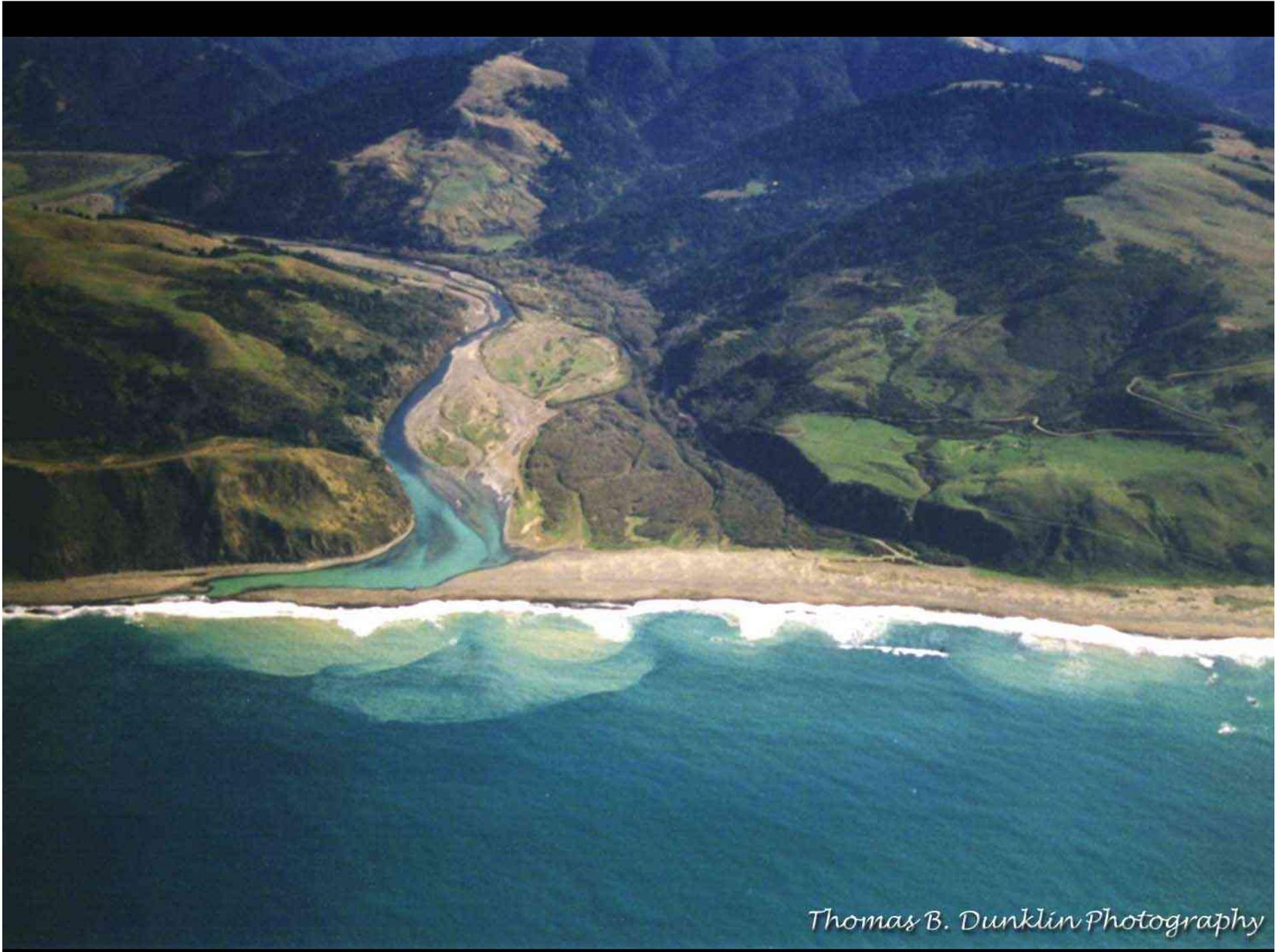


The H's Ride Again...

- Hatcheries
- Hydropower
- Habitat







Thomas B. Dunklin Photography



The H's Ride Again...

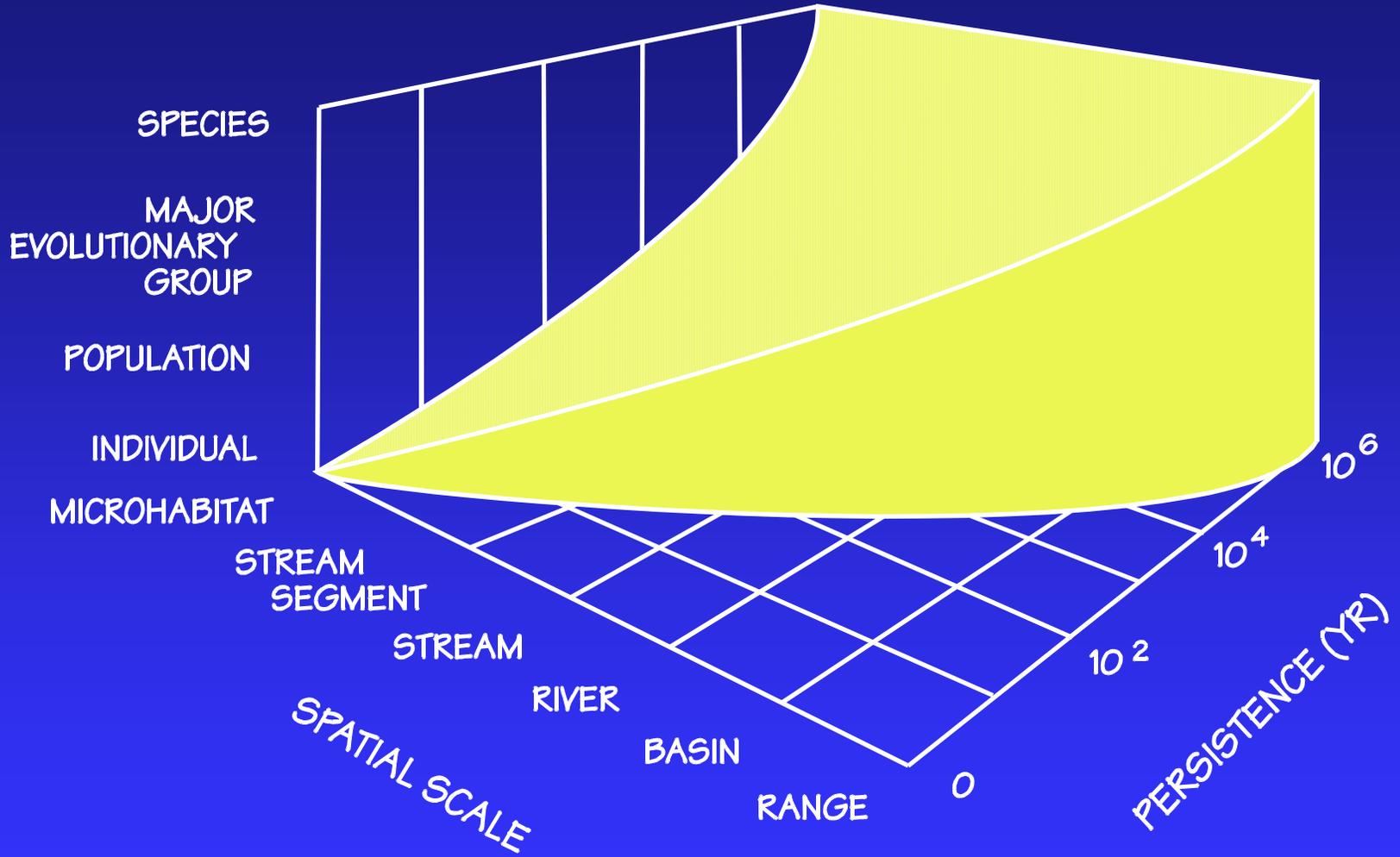
- Hatcheries
- Hydropower
- Habitat
- **Harvest**



A Fifth H?

Hypocrisy

BIOLOGICAL ORGANIZATION



Adapted from Currens 1997

Just Do It!



C.A.T. 01-00

O. clarkii, 210mm, FL.
CAMP CREEK COASTAL CUTTHROAT

Amelia L. Thomas