Captive Rearing of Bull Trout Within the Framework of Adaptive Resource Management and Strategic Habitat Conservation

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Evaluation

Planning

Biological Planning

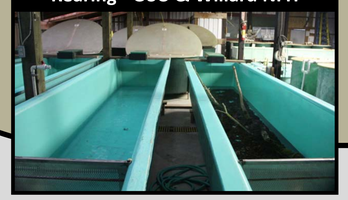
Bull Trout Draft Recovery Plan & Designation of Critical Habitat

"…bull trout recovery…may require the use of artificial propagation…in order to meet recovery criteria."
Draft Recovery Plan 2002.

How does the captive environment influence bull trout phenotype?

Behavior Assessment?

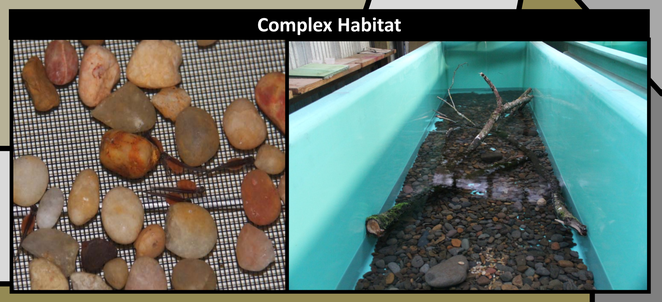
Rearing - OSU & Willard NFH



Rearing - Health Diagnosis

Conventional Habitat

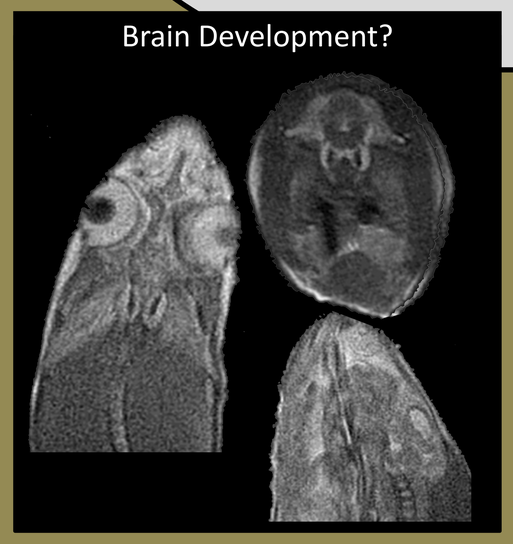
Complex Habitat



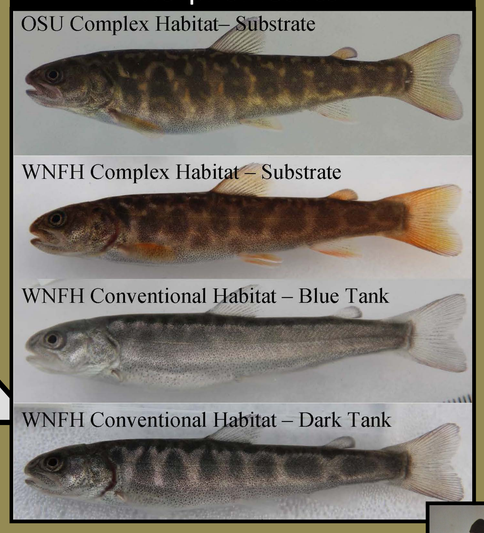
Assumption-driven Research

Outcome-based Monitoring

Brain Development?

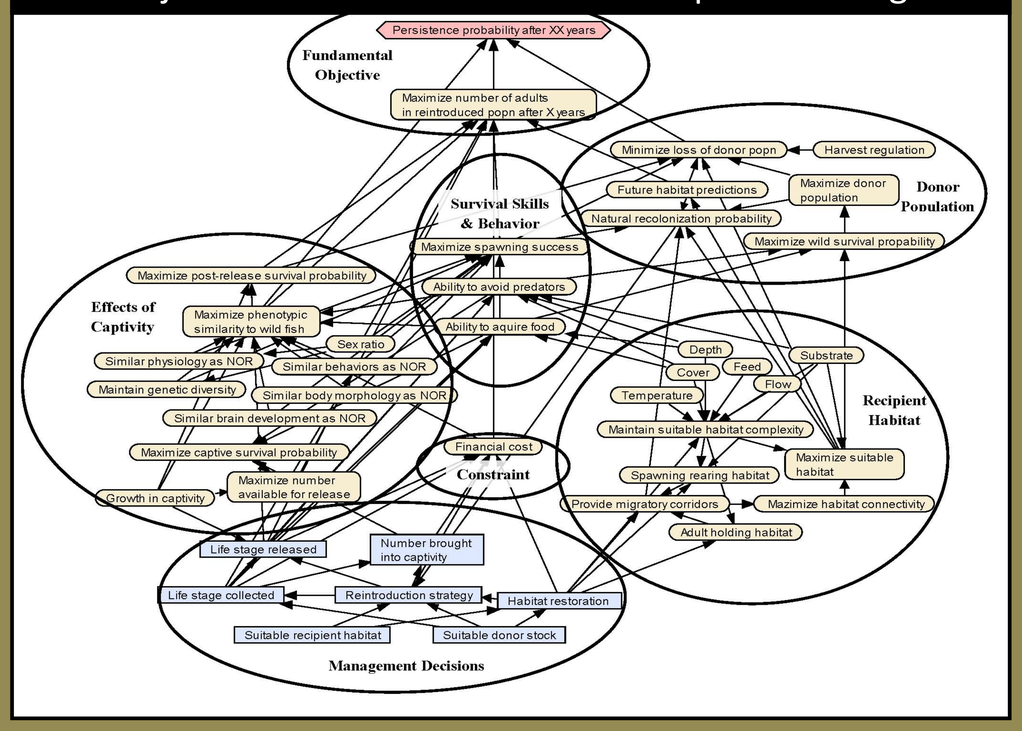


Morphometrics?

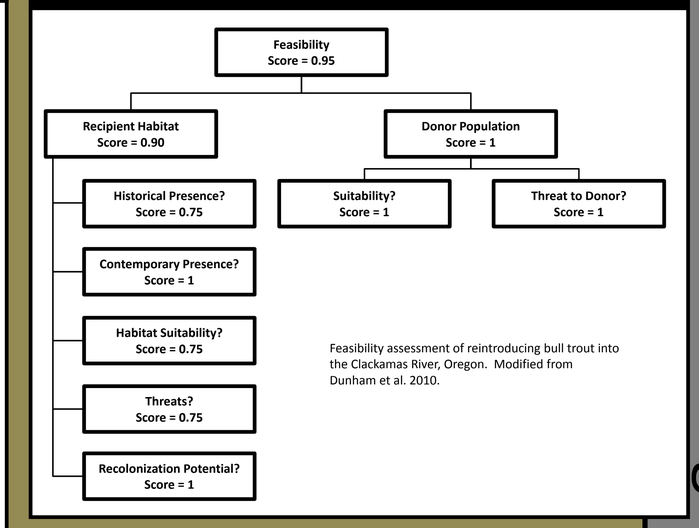


Fish Health?

Objectives Network of Bull Trout Captive Rearing



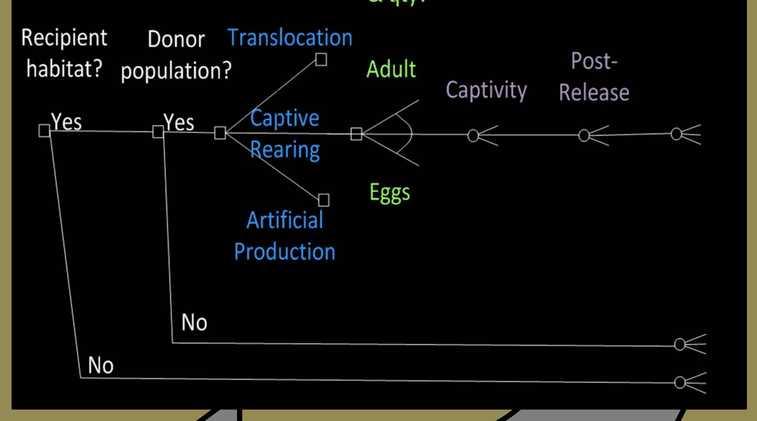
Feasibility Of Reintroduction



Feasibility assessment of reintroducing bull trout into the Clackamas River, Oregon. Modified from Dunham et al. 2010.

Conservation Design

Decision Model for Reintroduction



Development of a Captive Reared Population

Wild Embryo Collection & Transfer

Program Delivery

Implementation

Special thanks to S. Wingert, B. Charlton, P. Cushman @ Willard NFH & R. Chitwood @ OSU Fish Performance and Genetics Lab.