

PCWA Aquatics TWG January 15, 2008  
Habitat Suitability Criteria (HSC) Outline

Overview

- Study Schedule and HSC (need substrate/cover codes before summer data collection)
- Overview of habitat modeling and role of HSC
- PowerPoint presentation on general issues with HSC

General HSC Approach

- Spatial Niche to cover all species
- Develop HSC criteria for selected species/lifestages using the following methods
  - Existing habitat use and availability data sets
  - Overlay existing HSC (other projects)
  - Create new HSC where appropriate
    - Fish size specific
    - Use professional judgement, use data, and use/availability data to create curves
    - Use depth and velocity. Also substrate for spawning. Only use cover if appropriate

Species and Lifestages to be modeled

Rainbow Trout

- Length frequency plots for Projects sampling sites
- Available data review (powerpoint)
- Spreadsheets
  - Stanislaus River
  - South Fork American River
  - North Fork Feather River
  - Klamath River
- Determine approach for HSC (e.g., fry, juv, adult size classes)

Foothill Yellow-Legged Frog

- Available data review (word document)
- Spreadsheet
- HSC