

## Fish and Wildlife Habitat in Managed Forests

### FY2017 Program Priorities

Below are the priorities recommended by the Program Advisory Committee as high priority for new research and outreach in FY2017 (there is no implied prioritization based on the numbering scheme).

1. Water quality standards
  - a. How to tailor to a local area
  - b. How to make relevant to beneficial uses
  - c. How to incorporate natural variability
2. Chemicals used in Forestry
  - a. Quantify direct and indirect effects on fish and wildlife species:
    - i. from the frequency, magnitude, and duration of exposure expected during a typical forest management cycle.
    - ii. in watershed or landscape contexts
3. Roads/ water/ sediments
  - a. Scoping and development of BMPs to reduce sediment delivery from the subset of roads that connect to live water
  - b. Routing and storage of road-generated sediment
  - c. Linkages between road-generated sediment and beneficial use impacts
4. The response of fish and wildlife to forest management
  - a. Indicators of habitat quality/quantity, especially for species of conservation concern:
    - i. ODFW T&E species  
([http://www.dfw.state.or.us/wildlife/diversity/species/threatened\\_endangered\\_candidate\\_list.asp](http://www.dfw.state.or.us/wildlife/diversity/species/threatened_endangered_candidate_list.asp))
    - ii. Federal T&E, Proposed T&E, Candidate T&E species, or Species of Concern  
(<http://www.fws.gov/oregonfwo/Species/Lists/Documents/OregonSpeciesStateList.pdf>)
    - iii. Oregon Species of Concern  
([http://www.dfw.state.or.us/wildlife/diversity/species/sensitive\\_species.asp](http://www.dfw.state.or.us/wildlife/diversity/species/sensitive_species.asp))
    - iv. ODFW Conservation Strategy Species  
(<http://www.dfw.state.or.us/conservationstrategy/contents.asp#spec>)
  - b. Early seral habitat
  - c. Effects of treatments for fuels management, restoration, forest health
  - d. Organism passage/population connectivity
  - e. Ecological responses to disturbance (natural or human-induced)
  - f. Species distribution
5. Streamside management
  - a. Development and testing of alternatives that balance resource protection with economic values

For all priority research topics, the committee emphasized the need for work at the landscape/watershed scale wherever feasible, with explicit consideration for characterization of natural variability. The committee also encourages multidisciplinary proposals that address complex topics.