

Fish Passage Workshop
January 9-11 2001
Ted Ferry Convention Center
Ketchikan, Alaska

Purposes

- **Share information on and use collaborative problem solving to develop the ability design/install/maintain road crossings that pass fish**
- **Build Relationships and partnerships to address fish passage at road crossings**

Desired Outcomes

- **Present Fish Passage Knowledge that will result in improved/successful fish passage at road crossing**
- **Shared information on the design considerations for fish passage (old and new knowledge)**
- **Identify how we will work together to address fish passage at road crossings**

AGENDA
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Tuesday January 9, 2001

8:00-8:15 - Introduction/Housekeeping

Ron Medel, Tongass National Forest, Ketchikan, AK

MODERATOR: Ann Puffer, USDA, Forest Service, Alaska Regional Office,

8:15 –8:45 - Historical Perspective on Culvert Design and Fish Passage

Kim Clarkin, San Dimas Technology Center, San Dimas, CA

8:45-9:15 - USDA, Forest Service, Region 6 Lessons Learned

Ginny Grilley, Deputy Director, Engineering, Region 6. Portland Oregon

9:15-9:30 Break

9:30-11:30 - Policy (Panel)

❖ Federal (0930-1030)

- *Chris Meade, Environmental Protection Agency, Juneau, Alaska*
- *Larry Reeder, Chief, Regulatory Branch, Corps of Engineers, Anchorage, Alaska*
- *Cindy Hartmann, NMFS, Habitat Conservation Division, Juneau, Alaska*
- *Eleanor Oman, USDA, Forest Service, Tongass National Forest, Ketchikan, Alaska*

❖ State (1030-11:00)

- *Ken Bates, Washington Department of Fish and Wildlife, Olympia, Washington*
- *Charlie Corrarino, Oregon Department of Fish and Wildlife, Portland, Oregon,*
- *Bill Hanson, Alaska Department of Fish and Game, Douglas, Alaska*

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❖ British Columbia (11:00-11:30)

- *Brian Fuehr, Head of Fish Habitat Protection Section, Ministry of Environment, Lands, and Parks, Smithers, British Columbia*

11:30-1230 – LUNCH

12:30-5:00 -Culvert Principles

MODERATOR: Traci Sylte, USDA, Forest Service, Lolo National Forest, Missoula, Montana

12:30 - 1:00 – Introduction to Culvert Considerations

Traci Sylte, Lolo National Forest, Missoula, Montana

1:00-1:30 Basin Hydrology and Design Discharge Requirements Overview

Bob Gubernick, USDA, Forest Service, Tongass National Forest, Petersburg,, AK

1:30-2:00 Headwaters Aquatic Ecology Considerations Overview

Larry Dominguez, Washington Department of Natural Resources, Olympia, Washington ,

2:00-2:30 Hydraulics Overview

Susan Firor, Humboldt State University, Arcata, California

2:30-3:00 Break

3:00-3:30 Principles of Fish Passage Through Culverts

Mac McLean, Alaska Department of Fish and Game, Fairbanks, Alaska

3:30-4:00 Culvert Effects on Channel Form

Jane Kelly, Oregon Department of Fish and Wildlife, Portland, Oregon

Wednesday January 10, 2001

0800-11:30 - Culvert Design/Tools

MODERATOR: Chris Meade, EPA, Juneau, Alaska

8:00-8:30 FishXing

Susan Firor, Stream Systems Technology Center, USDA, Forest Service, Ft. Collins, Colorado

8:30-9:00 Hydraulic Design

Doug Kane, University of Alaska, Fairbanks

9:00-9:30 HEC-RAS

Mark Miles, Alaska Department of Transportation, Juneau, Alaska

9:30-10:00 Break

10:00-10:30 Stream Simulation

George Robison, Private Consultant, Corvallis, Oregon

10:30-11:15 British Columbia Culvert Assessment Procedure

Jeff Law, Ministry of Environment, Lands, and Parks, Smithers, British Columbia

11:30-12:30 – Lunch

12:30-3:00 - Culvert Inventory, Assessment and “Restoration” Prioritization

MODERATOR: Bill Hanson, Alaska Department of Fish and Game, Douglas, Alaska

12:30-1:00 Quid Nunc: What Do We Do Now, Ollie? ()

Mike Furniss, USDA, Forest Service, Stream Systems Technology Center, Ft. Collins, CO

1:00-1:30 Culvert Restoration in British Columbia

Dana Atagi, Ministry of Environment, Lands, and Parks, Smithers, British Columbia

1:30-2:00 USDA, Forest Service, Alaska Region, Road Condition Survey (1330-1400)

Jim Cariello, Alaska Department of Fish and Game, Petersburg, Alaska

2:00-2:30 Break

2:30-3:00 An Audit of Forest Road Crossings of Fish-Bearing Streams in British Columbia

Dave Harper and Jason Quigley, Fisheries & Oceans Canada, Vancouver, British Columbia

3:00-5:00 Culvert Retrofit-Replacement

Moderator: Betty Wilt, USDA, Forest Service, Alaska Regional Office, Juneau, Alaska

3:00-3:30 Tongass National Forest Interim Design Standards and Policy

Bob Gubernick, Tongass National Forest, Petersburg, Alaska

3:30-4:00 Fish Passage Through Oregon DOT Structures

Lance Clark, Oregon Department of Transportation, Portland, Oregon

4:00-4:30 Biologic Considerations

Randy Reeve, Oregon Department of Fish and Wildlife, Portland, Oregon

4:30-5:00 Baffles, Buried Inverts in Steep Streams

Don Porior, USDI, Bureau of Land Management, Coos Bay, Oregon

Thursday: January, 11, 2001

0800-1000 - Where Are We Now?

- ❖ The Outcome of this Session is to produce a List of Short Statements That Identifies What Is Known and What is Currently Happening in the World Of Fish Passage/Road Construction)

Ann Puffer, Facilitator, USDA, Forest Service, Alaska Regional Office, Juneau, Alaska

(Fish Species, Habitat, Hydraulic, Design Discharge Considerations)

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10:00-10:15 – Break

10:15-11:30 - Where Do We Need to Go?

- ❖ The result of this session will be a list of items (data, policy, etc) that we need to address in the near future on fish passage considerations at road crossings)
Susan Firor, Facilitator.

11:30-12:30 - Lunch

12:30-1:00 - Summary of “Findings” from the Lists of Items Identified in the Morning
Traci Sylte, Lolo National Forest, Missoula, Montana, Facilitator

1:00-2:30 - Strategies and Policies for the Future

- ❖ The outcome of this session will be to identify strategies for how to proceed-cost sharing, partnerships, Funding Sources, communications, disciplines to involve, identify policies to evaluate, related to Fish Passage at Road Crossings)
Jim Schafer, Washington Department of Transportation, Olympia, WA, Facilitator

2:30-3:00 - Break

2:45-3:45 - Where do We Go From Here? (The outcome of this session will be to identify what actions will Occur in the Near Future. Who, What, When.)
Bob Gubernick, Tongass National Forest, Petersburg, Alaska

Summary

