

FSOC Fish Passage Training Outline

September 17-20, 2012
Best Western Hood River Inn
Hood River, OR
Riverview Room

September 17 – Session 1: Introduction and Background

2:00 - 3:00 PM: Course Introduction (Bryan Nordlund - NMFS)

3:30 – 3:45 PM: Break

3:45 – 4:30 PM: Background (Nordlund)

4:30 – 5:00 PM: Site Visit Overview (Alan Ritchey and Martin Olson – ODFW)

September 18 – Session 2: Site Visits

7:45 – 8:00 AM: Meet in the Best Western Parking Lot (*in front of lobby*)

8:00 AM - Depart from Hotel*

5:00 PM – Arrive at the Best Western

**Box Lunch and Transportation Provided Included with Registration*

September 19 – Session 3: Juvenile Fish Screen and Bypass Designs

8:00 - 9:00 AM: Juvenile Fish Screen and Bypass Design (Bryan Nordlund – NMFS)
History, criteria, and objectives of screen and bypass design

9:00 - 10:00 AM: Juvenile Fish Screen and Bypass Design (Nordlund)
Screen and bypass – hydrology, hydraulic calculations, and terminology

10:00 - 10:15 AM: Break

10:15 - 11:30 AM: Juvenile Fish Screen and Bypass Design (Nordlund)
Fish behavior and physiology as applied to screen and bypass design

11:30 – Noon: Juvenile Fish Screen and Bypass Design (Nordlund)
Positive barrier screen design

Noon - 1:00 PM: Lunch Break (provided)

1:00 – 2:00 PM: Juvenile Fish Screen and Bypass Design (Nordlund)
Positive barrier screen design (continued)

2:00 – 3:00 PM: Juvenile Fish Screen and Bypass Design (Nordlund)
Screen types (descriptions, criteria, benefits, disadvantages, and appropriate uses)

3:00 - 3:15 PM: Break

3:15 – 3:30 PM: Juvenile Fish Screen and Bypass Design (Nordlund)

Debris management and uniform velocity

3:30 – 4:30 PM: Juvenile Fish Screen and Bypass Design (Nordlund)

Bypass design

4:30 – 5:00 PM: Juvenile Fish Screen and Bypass Design (Nordlund)

Monitoring and evaluations

7:00 – 9:00 PM: Social – Hosted (Shoreline Room)

Sponsored by HDR Engineering, Inc.

September 20 – Sessions 4-8: Screen and Bypass Systems

8:00 - 8:30 AM: Oregon Screen and Passage Issues (Mike Jensen – ODFW)

8:30 – 9:00 AM: Managing Sediment at Fish Screens (Ray Gilmour – WDFW)

9:00 - 10:00 AM: Resolving Site Issues in Screen and Bypass Systems (Paddy Murphy – IDFG)

10:00 - 10:15 AM: Break

10:15 – Noon: Introduction to Upstream Fish Passage Systems (Ken Loffink - ODFW)

Noon - 1:00 PM: Lunch Break (provided)

1:00 – 2:30 PM: Juvenile Lamprey Passage (Matt Mesa – USGS)

2:30 – 2:45 PM: Break

2:45 – 5:00 PM: Upstream Fish Passage Systems – FishXing (Mike Love – Mike Love and Associates)