

# FISH PASSAGE MITIGATION BANKING PILOT PROJECT



*Oregon Fish & Wildlife Commission  
August 7, 2015*

# FISH PASSAGE MITIGATION BANKING PILOT PROJECT

- Background
- Pilot Outcomes
- Sideboards
- Success Criteria
- Adaptive Management



# BACKGROUND

- An innovative approach to address high priority passage sites and highway infrastructure
- 3 year collaborative effort between
  - ODFW
  - ODOT
  - Willamette Partnership
  - The Nature Conservancy
- Fish Passage Task Force and Commission updates

# FISH PASSAGE MITIGATION BANKING

## Pilot Project Outcomes

- Address fish passage priorities
- Address critical highway infrastructure
- Clear benefit to native migratory fish
- Refine Net Benefit Analysis Tool
- Program evaluation and recommendation





2012

**Project Initiation**

**Draft Net Benefit Analysis  
Tool & Mitigation Banking  
Instrument**

2015

**Field testing &  
Pilot Implementation**

**Pilot Evaluation**

2017

2018

**Program  
Recommendations**

## Expert Review

Advisory Group & Task Force

## ODFW Review

Task Force Recommendation – MAY 2015

Commission Informational Brief – JUN 2015

Commission Approval Request – AUG 2015

Commission & Task Force Updates - Ongoing

# Pilot Overview



- North Coast
- 3 years (2016-2018)
- Evaluate Mitigation Banking Instrument for guiding transactions
- Test Net Benefit Analysis Tool
- Program evaluation

# SIDEBOARDS

Assuring a Net Benefit to Native Migratory Fish and Addressing Risk & Uncertainty

- 3 to 1 ratio of benefit to impact
- Waivers will have ½ mile or less of habitat
- Maximum of 12 waivers

# NET BENEFIT ANALYSIS TOOL

- Science-based, defensible, and transparent
- Assesses habitat Quality and Quantity
- Quantifies mitigation credits and debits

Category	Weight	Composite Indicator Description	Essential Indicators Provided?	Composite Value	Composite Subscore	Composite Name
Instream Habitat	2	Instream Habitat Quality: Habitats for each species and life stage	No	See details below		Instream
Riparian and Floodplain Interactions	2	Riparian Composite Score: AVERAGE(FunRip,Enrich,FloodInt)				
Supporting Landscape Context	1	Supporting Landscape Composite Score: AVERAGE(Use,Shaded,Shading,Shade,Shade,Arch,Flow,Water,Shade,Shade)				

  

Reach	Area (sq ft)	Channel Subscore	Species Present			Channel Subscore
			Shadnow	Catfish	DUM	
1						
2						
3						
4						
5						

  

Reach	Area (sq ft)	DUM	DUM	DUM	FUM	DUM	DUM
1							





# DEBIT/CREDIT COMPARISON

## Impact Sites

- Less than ½ mile of habitat
- NBA score = 0.2
- A maximum of 12 Debit sites for Pilot Project



## Banking Site

- Approx. 20 miles of habitat
- NBA score = 62.5
- North Coast high priority barrier



# SUCCESS CRITERIA

- Net benefit for native migratory fish
- A Net Benefit Analysis tool that is transparent and defensible
- A streamlined process
- Efficient use of public resources

# ADAPTIVE MANAGEMENT

- Design-Test-Learn
- Modify and improve the banking process
- Program Reporting

# POLICY CONSIDERATIONS

- Service Area
- In-kind population transactions



# PUBLIC PROCESS

- Task Force Updates
- Outreach to Tribal Natural Resource Working Group
- 2 public comment periods

# Next Steps

- Commission approval
- Test and refined Net Benefit Analysis Tool
- Adaptively manage pilot
- Provide ongoing updates to Task Force and Commission
- Report back to Commission in 3 years on success

# SUMMARY

- Target high priority fish passage barriers
- Clear benefits for native migratory fish
- Benefit to state highway infrastructure
- Adaptive management
- Consistent with Agency principles
- Evaluate and report back to Commission in 3 years

# STAFF RECOMMENDATION

- Staff recommends Commission approval of the Fish Passage Mitigation Banking Pilot Project



# QUESTIONS