



COLUMBIA BASIN FISH AND WILDLIFE AUTHORITY

Development of Fish and Wildlife Program Amendments

**Members Meeting
February 7, 2007**



Current Situation

- Regional goals not linked to SBP goals
- Recovery goals not developed
- Undefined BPA obligations
- Undefined role for managers

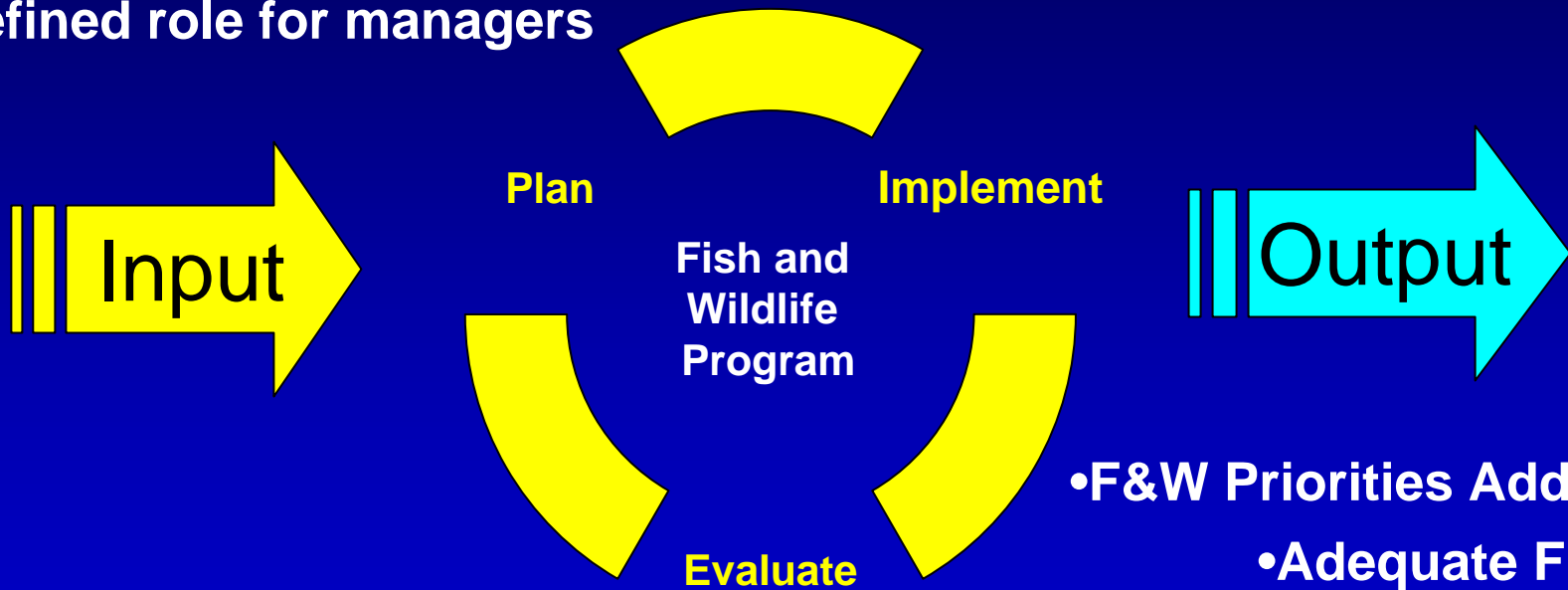


- Missing F&W Priorities
- Inadequate funding level
- Non-explicit coordination strategy
- Managers left out of decision making



CBFWA Vision

- Regional goals linked to SBP/Recovery goals
- Defined BPA obligations
- Defined role for managers



- F&W Priorities Addressed
- Adequate Funding
- Regional commitment to mitigation
- Explicit coordination strategy



Schedule for Future Decisions Affecting Fish and Wildlife

2007

2008

2009

2010

2011

2012

Council 07-09 Funding
Recommendations

BPA 07-09 Rate Case

Fish and Wildlife
Manager Program
Evaluation

Council Amendment
Process

Council Power
Plan Development

BPA 2010 Rate Case
Development

Council 2010 Project
Selection Process

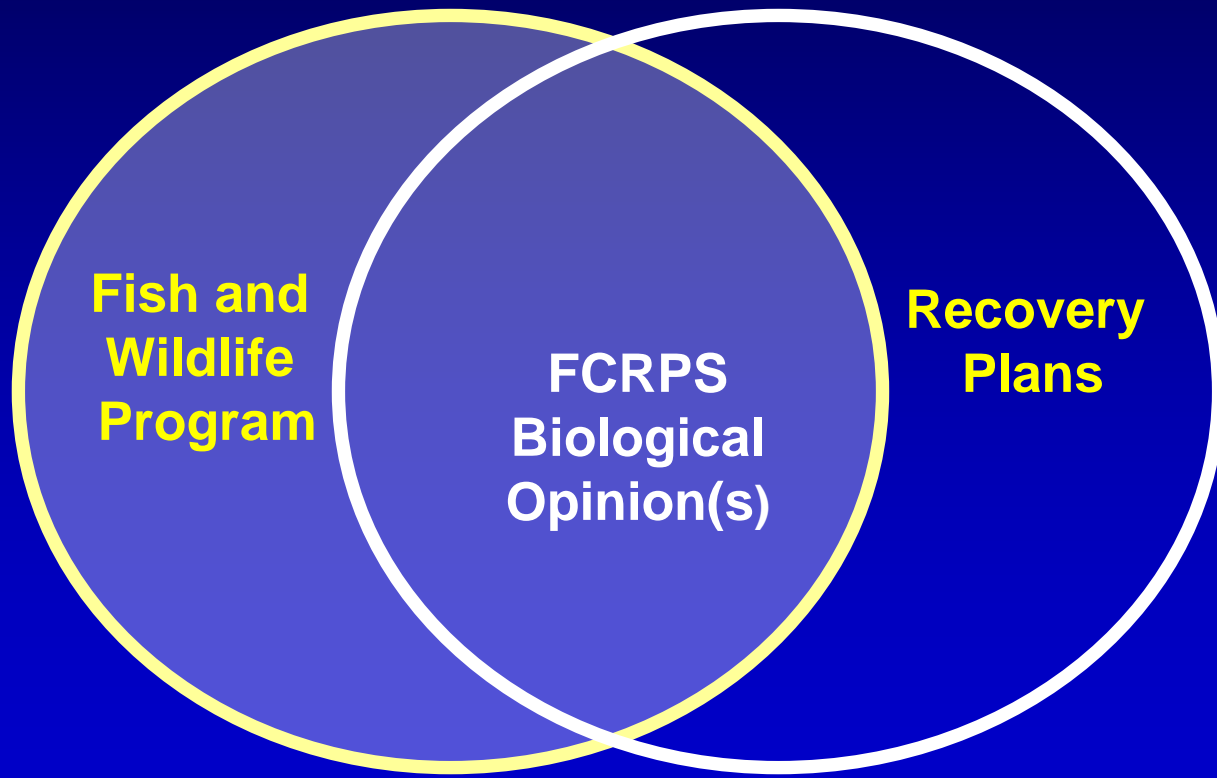
BPA 2010-? Rate Case

Council 2010-? Funding
Recommendations

NPA – ESA Relationship

Northwest Power Act

Endangered Species Act



CBFWA Approach for Draft Amendment

Subbasin Scale

Strategies



Limiting Factors



Focal Species



Trawl and haul



Reservoirs=poor reproduction



Harvest = 5 kg/hectare



Improve riparian habitat



Habitat quality/quantity



1,700 Chinook salmon

Potential Action: Technical Committees

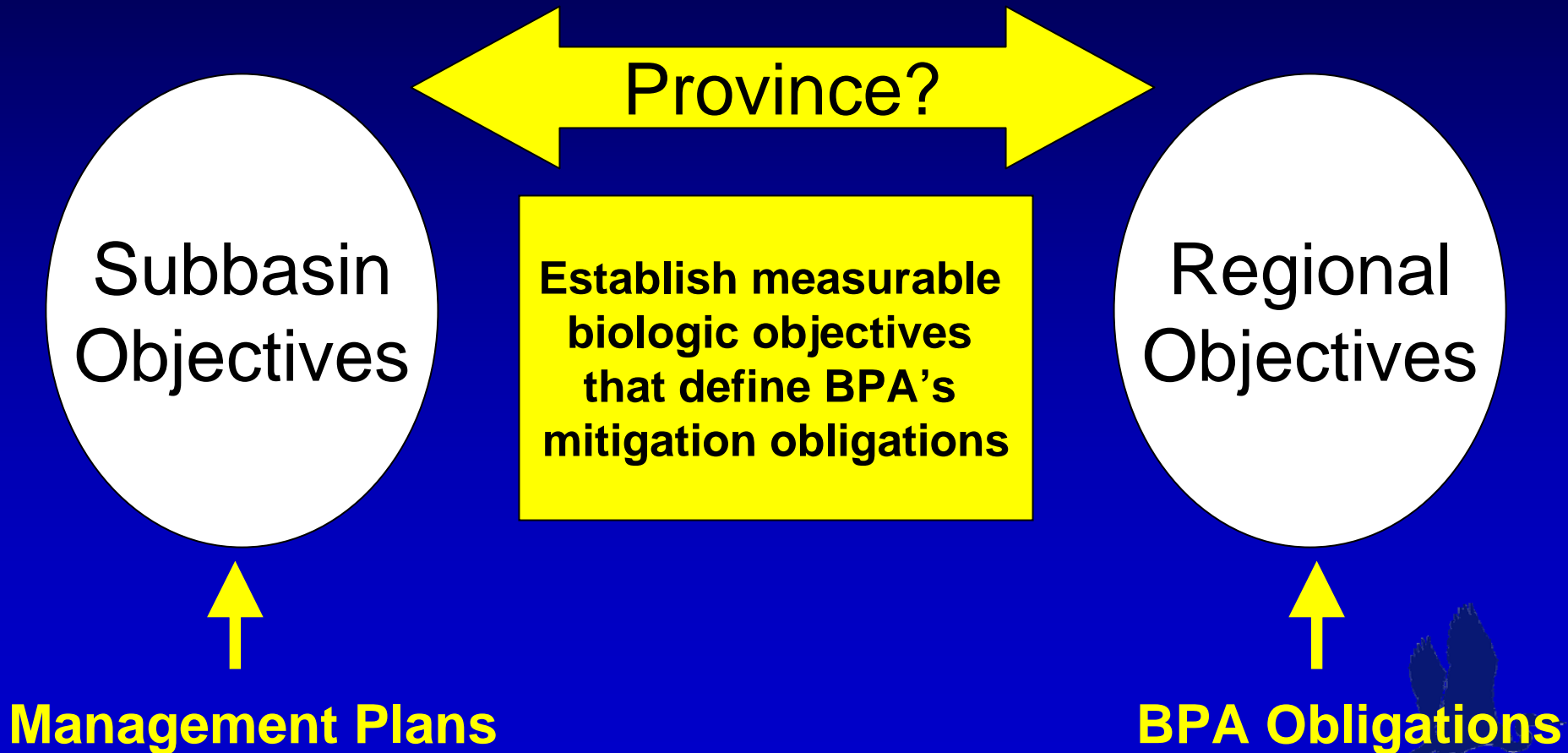
CBFWA Members direct the Technical Committees to evaluate the existing Program:

- **Confirm population level biological objectives**
- **Validate current limiting factors**
- **Identify strategies and actions necessary to reduce the limiting factors.**

Complete by August 2007



Linking Subbasin and Regional Objectives



Potential Action: Members Advisory Group

CBFWA Members direct the Members Advisory Group to:

- **Link subbasin population objectives to regional Program goals**
 - **Identify BPA's obligations**

CBFWA Members interact with the Council and regional utilities to educate and develop an understanding of the linkages and obligations



Potential Action: Members Advisory Group

CBFWA Members direct the Members Advisory Group to work with all coordination entities to:

- Develop a comprehensive management coordination strategy**





COLUMBIA BASIN FISH AND WILDLIFE AUTHORITY

Development of Fish and Wildlife Program Amendments

Members Meeting

February 7, 2007



Program Amendment Process: Identification of Biological Objectives

Subbasin Scale



Hood River Subbasin

Province Scale



Columbia Gorge Province

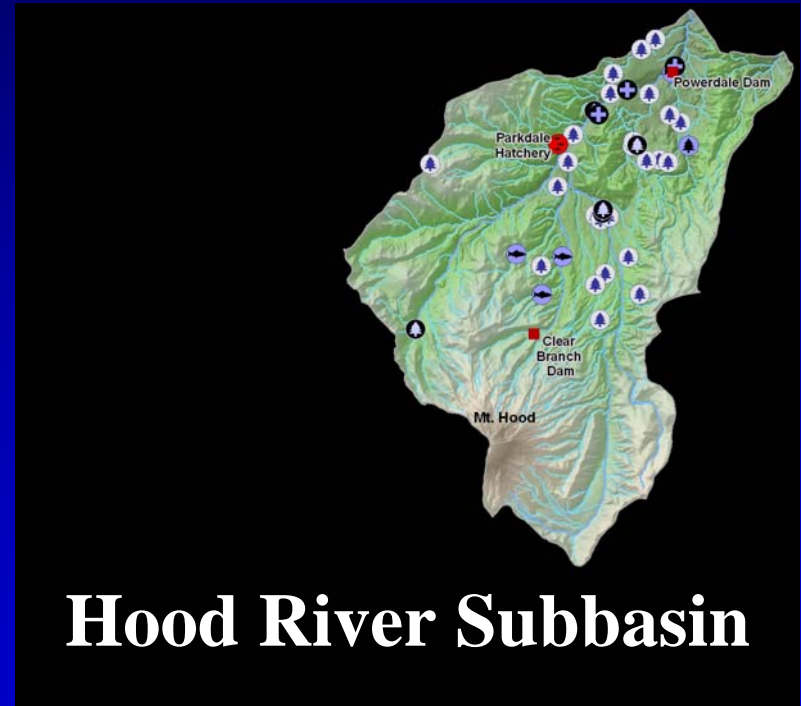
Regional Scale



Program Amendment Process: Identification of Biological Objectives

Subbasin Scale

- Confirm focal species
- Confirm populations
- Confirm limiting factors
- Confirm/establish biological objectives
- Identify population status by metric



Program Amendment Process: Identification of Biological Objectives

Subbasin Scale – Anadromous Fish

Steelhead

Focal Species



Summer

Federal Designation: Threatened

Population: Hood River

Population

ESU: Lower Columbia

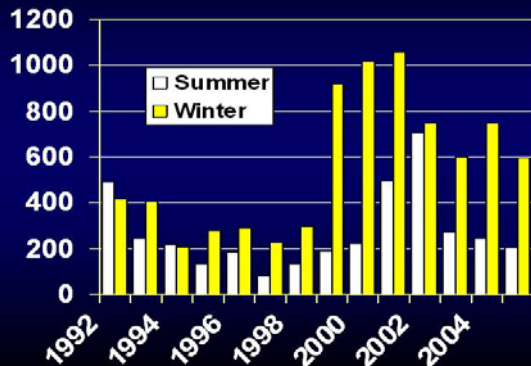
Biological Objective: 600 adults¹

Status: 205 adults collected at Powerdale Dam (2005)²

Biological Objective

Status and Trend by Metric

Steelhead (Natural) Escapement to the Powerdale Dam



Program Amendment Process: Identification of Biological Objectives

Province Scale – Anadromous Fish

- Number or percent of populations meeting stated objectives in a province?



Program Amendment Process: Regional Objectives

Regional Scale – Anadromous Fish

- **5 million salmon and steelhead past Bonneville**
- **Widest possible set of healthy naturally producing populations**
- **Begin restoring lamprey**



Schedule for Technical Committees

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
			Confirm FS, LF, BO, status, and S&A					
		Recommend how to express biological objectives at geographic scales		Develop biological objectives at geographic scales				
								
								



Program Amendment Process: Identification of Biological Objectives

Subbasin Scale – Resident Fish

Kokanee

Focal Species



Federal Designation: None

Population: Lake Roosevelt

Population

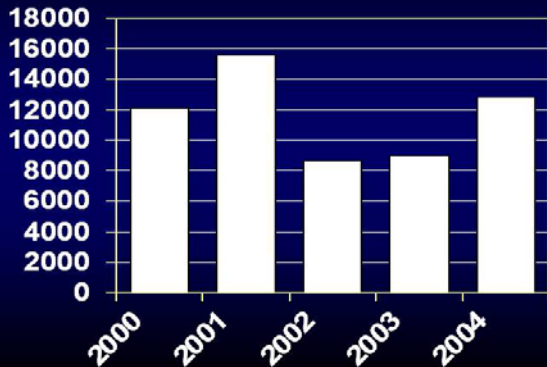
Biological Objective: Harvest of 300,000 fish

Status: Estimated harvest = 12,854 (2004)

Biological
Objective

Status and Trend
by Metric

Estimated Kokanee Harvest at
Lake Roosevelt



Program Amendment Process: Identification of Biological Objectives

Province Scale – Resident Fish

- Number or percent of focal species meeting stated objectives in a province?

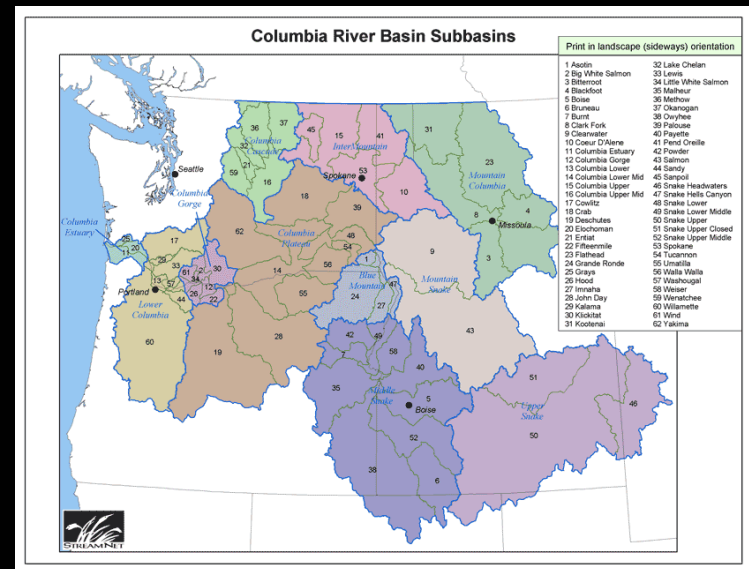


Program Amendment Process: Regional Objectives

Regional Scale – Resident Fish

- Substitution for anadromous fish losses
- Mitigate for resident fish losses

Columbia River Basin



Program Amendment Process: Regional Objectives

Regional Scale Resident Fish Substitution Policy

- Restore native fish species to near historic abundance**
- Reintroduce anadromous fish into blocked areas**
- Opportunities for consumptive and non-consumptive resident fisheries**



Program Amendment Process: Regional Objectives

Regional Scale Resident Fish Losses

- Assessments of resident fish losses**
- Maintain and restore healthy ecosystems and watersheds**
- Protect and expand habitat and ecosystems**
- Achieve population characteristics within 100 years**



Schedule for Technical Committees

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

AFAC

Confirm FS, LF, BO, status, and S&A

Recommend how to express biological objectives at geographic scales

Develop biological objectives at geographic scales

RFAC

Confirm FS, LF, BO, status, and S&A

Recommend how to express biological objectives at geographic scales

Develop biological objectives at geographic scales

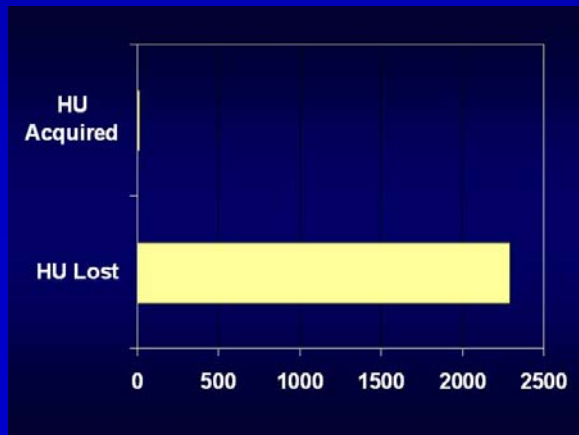
WAC



Program Amendment Process: Identification of Biological Objectives

Subbasin Scale – Wildlife

Sharp-tailed Grouse
Shrusteppe Habitat



Hydroelectric Project: Chief Joseph
Biological Objective: 2,290 Habitat Units
Status: 14 Habitat Units Acquired (0.61% completed)

Focal Species/
Habitat

Biological
Objective

Status
of HU Ledger



Wildlife Program Objectives

(From NPCC Fish and Wildlife Program)

- **Quantify wildlife losses**
- **Develop and implement habitat acquisition and enhancement projects**
- **Coordinate with fish mitigation**
- **Maintain existing and created habitats**
- **Monitor and evaluate habitat and species responses to mitigation**



Priority WAC Activities

- **Develop provincial and regional-scale biological goals and objectives**
- **Develop operational loss assessments**
- **Confirm status of Habitat Unit Ledger**



Priority WAC Activities

- **Coordinate with NPCC, BPA and IEAB to evaluate cost effective implementation of Wildlife Program**
 - O&M
 - Alternate prioritization strategies
- **Define and develop appropriate Wildlife M&E**



Schedule for Technical Committees

Jan Feb Mar Apr May Jun Jul Aug

AFAC

Recommend how to express biological objectives at geographic scales

Develop biological objectives at geographic scales

Confirm FS, LF, BO, status, and S&A

RFAC

Recommend how to express biological objectives at geographic scales

Develop biological objectives at geographic scales

Confirm FS, LF, BO, status, and S&A

WAC

Develop schedule

Coordinate with IEAB

Complete remaining tasks



Potential Action: Technical Committees

CBFWA Members direct the Technical Committees to evaluate the existing Program:

- **Confirm population level biological objectives**
- **Validate current limiting factors**
- **Identify strategies and actions necessary to reduce the limiting factors.**

Complete by August 2007

