

Development of Fish and Wildlife Program Amendments

Joint Technical Committees and Members Advisory Group Amendment Strategy Workshop

July 24-25, 2007



CBFWA Vision



Schedule for Future Decisions Affecting Fish and Wildlife



CBFWA Approach for Draft Amendment

Subbasin Scale



Trawl and haul

Reservoirs=poor reproduction

Harvest = 5 kg/hectare

Mid-level Scale (i.e., ESU or Province)



Achieve population targets



Hatchery and Natural allocation



60,700 Sp/Su Chinook Salmon at LWG

Hierarchy

Biological Objectives (mid-level) Survival targets (by ESU) Mainstem (adult and Juvenile) Productivity targets (all fish) Natural and hatchery Substitution

Biological Objectives (population) Limiting Factors Threats Strategies Measures

Losses/Mitigation

Operations losses Survival targets (by ESU) Mainstem (adult and Juvenile) Tributary (offsite)

Construction/Inundation losses Productivity targets (all fish) Natural (habitat actions) Hatchery production Substitution (off site)

BPA Customer Groups Proposal

Purpose: To provide a structure for defining FCRPS responsibility that is used in conjunction with Regional Fish and Wildlife Biological Objectives

Key Principles:

- FCRPS responsibility is based on FCRPS impacts
- The measurement of mitigation success is NOT based on population numbers
- Separate responsibilities for mainstem projects and storage facilities

BPA Customer Groups Proposal

- Migration corridor facilities –
- Similar survival targets as natural river (focus on adult and juvenile survival through system or individual projects)
- Replace lost habitat with habitat and hatchery production
- Storage facility mitigation –
 Focus on hatchery production to offset anadromous losses
- Resident fish substitution equal to losses



Mainstem Survival Questions

...provide for improved survival at hydroelectric facilities (NPA839b(h)(6)(E)(i))

Should survival targets be set by ESU? Juvenile and adult targets? How is survival currently measured? By project or total system? How to offset unattainable survival targets? Mainstem Survival Objectives

Anadromous Fish by ESU

•Establish juvenile survival targets for each species (by project or through system depending on ability to monitor, BiOp)

•Establish habitat actions as offsets by identifying populations where system survival is identified as a primary limiting factor (linkage to pops)

Mainstem Habitat Questions

Lost mainstem spawning habitat (resident and anadromous)

Set hatchery production targets to offset lost spawning habitat? Set improved natural production targets to offset lost spawning and rearing habitat? Natural production targets met through habitat actions? Mainstem Habitat Objectives

Anadromous Fish •Use hatcheries to produce equivalent recruitment targets tied to loss estimates •Set specific hatchery production targets tied to expressed losses

Resident Fish •Short term target would be to complete loss assessments •Long term targets established through that process

Blocked Area Questions

Substitution for anadromous fish losses - Above Chief Joseph Dam: 2.9m fish - Above Hells Canyon Dam: 1.1m fish

Natural and hatchery production targets tied to these losses?

Anadromous and resident fish?

Natural production targets met through habitat actions?

Restore natural populations to near historic levels? Achieve passage to meet anadromous goals above blockages? Blocked Areas Objectives

- •Set natural and hatchery production targets to meet these losses by species
- Natural production targets met through habitat actions
- •Near term resident and anadromous fish substitution
- •Long term develop passage at Chief Joseph and Coulee



Wildlife Recommendations

Complete Construction/Inundation mitigation Improve crediting and conflict resolution processes

Develop operation loss assessments



Objectives

Not Listed

Subbasin (MPG):

John Day

Populations:

Middle Fork North Fork Granite Creek Upper

Province/ESU:

Columbia Plateau/Mid Columbia

MPGs:

Yakima Walla Walla/Umatilla John Day

Deschutes Klickitat

Snake River Wild Sp/Su Chinook Salmon Objectives





Snake River Spring/Summer Chinook Salmon Opportunities to Establish Wild Fish Goals

