



Geographic Review of Habitat Projects in Anadromous areas of the Columbia Basin

December 2012

Today's Agenda

- Welcome and Introductions
- Overview of process
- Schedule
- ISRP review
- Overview of Programmatic Level Guidance
 - Umbrella projects
 - Subbasin Dashboards
 - Limiting factors
 - Monitoring
 - Data management
- Break
- Cbfish.org
- Proposal Overview
- Proposal work session

Category and Geographic Review Process

- Based on 27 years of experience in program implementation
- Consistent with 2009 F&W Program
- Largely follows recommendations of the ISRP (2006-7)
- Began process over four years ago

Portfolios

Wildlife (37)

RME/AP Plus Categorical Review (183)

Artificial Production (*except LSRCP*)

Predation/Harvest/Plus

RM&E

Program Coordination (20)

Data Management (7)

Resident Fish (56)

Habitat (anadromous areas) (87)

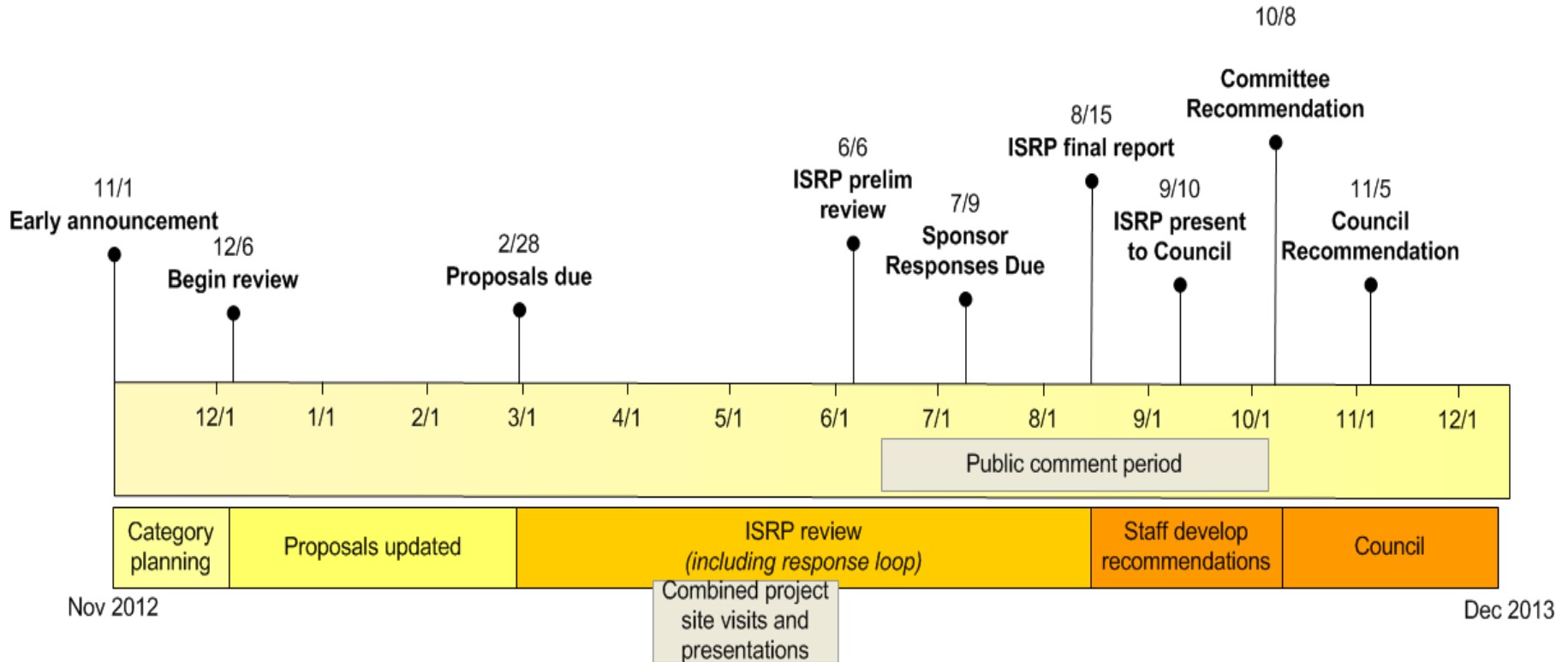
What's new

- Launch of Geographic Review
 - Not an “open solicitation”
 - ~87 projects in the review
 - Existing projects plus new Accord and BiOp projects that fit the category

- Electronic proposal form
 - cbfish.org
 - Narrative questions integrated
 - Tailored questions
 - Structured data
 - Limiting factors feature

Schedule

Geographic Review Schedule for Anadromous Fish Habitat Projects December 2012



Independent Scientific Review Panel

- 1996 Amendment to the NW Power Act
- Reviews projects for consistency with the Council's program and in regard to whether they:
 - 1) are based on sound science principles
 - 2) benefit fish and wildlife and
 - 3) have a clearly defined objective and outcome
 - 4) with provisions for monitoring and evaluation of results
- Council must explain in writing when they diverge from ISRP Recommendations.

ISRP 1997-2012

- ~300 Reports
- ~2700 proposals, 1000 responses
- 49 Subbasin Plans (30,000+ pages) with ISAB
- Over 60 scientists served as ISRP and PRG reviewers



ISRP & PRG expertise

- Columbia River anadromous and resident fish ecology
- statistics
- wildlife ecology
- ocean and estuary ecology
- fish husbandry
- genetics
- geomorphology
- social and economic sciences
- other relevant disciplines



Balance between Columbia River Basin and broader experience.

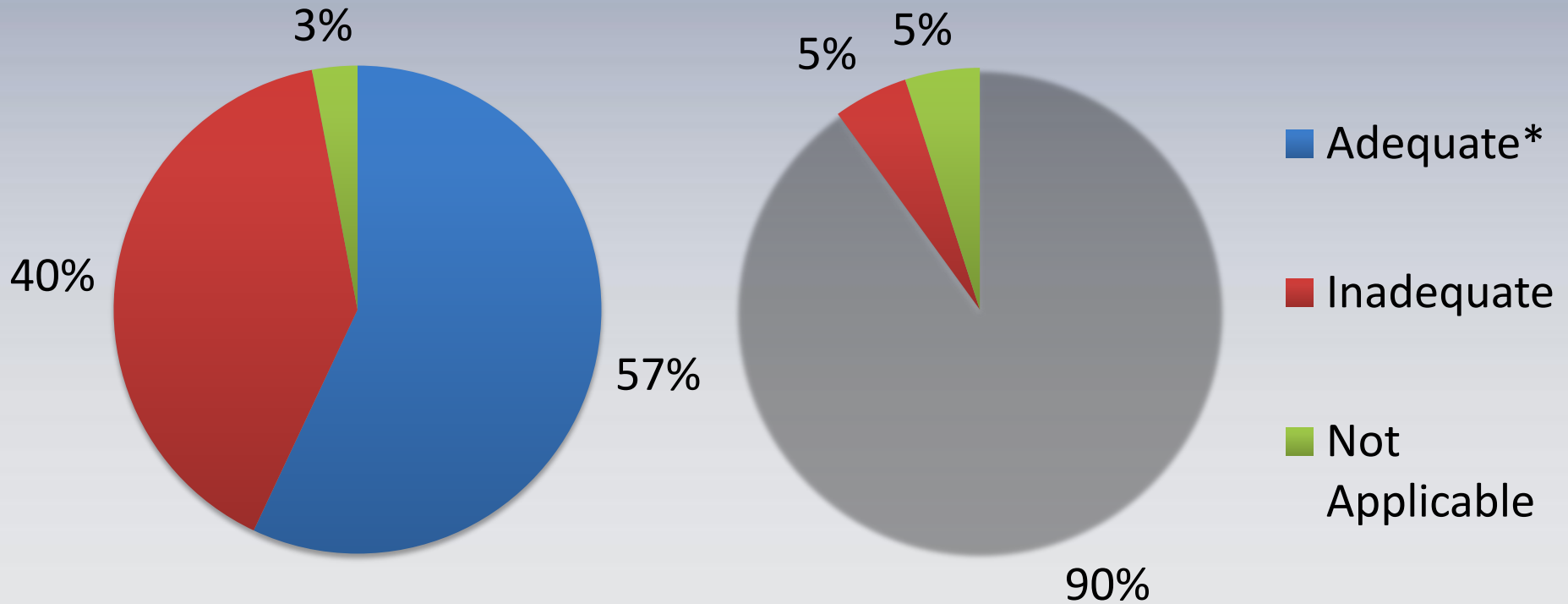
- Rich Alldredge, Ph.D., ISRP and ISAB Chair, Professor Emeritus of statistics at Washington State University
- Robert Bilby, Ph.D., Ecologist at Weyerhaeuser Company, an expert in riparian ecology
- David Heller, M.S., Aquatic Habitat Management and Restoration Consultant, formerly Fisheries Program Leader for the Pacific Northwest Region, USDA Forest Service
- R. Scott Lutz, Ph.D., Associate Professor of Wildlife Ecology, University of Wisconsin

ISRP review

- 11 Members plus PRGs (pool of 140)
- At least 3 reviewers for each proposal
- Anonymous review but opportunity for interactions at presentations and site visits
- Response loop for formal dialogue
- ISRP will provide a consensus recommendation and comments for each proposal (individual reviewer comments are not made public)

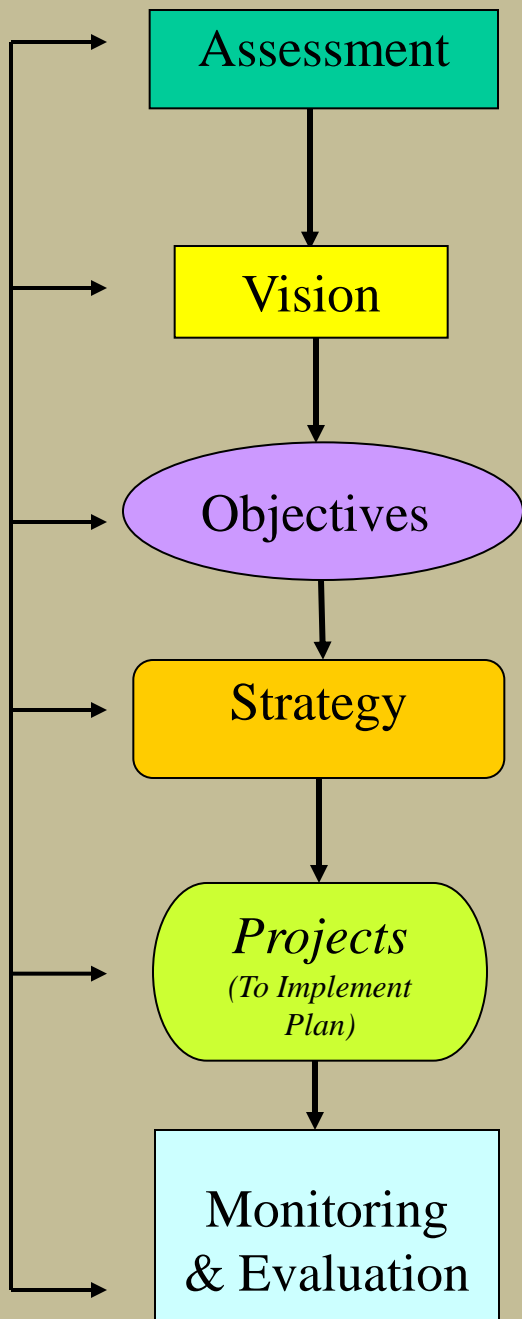


Proposal Quality 1998 and 2010



Proposal Pointers

- Make proposal stand-alone document, **summarize** results, literature; **cite** and **provide links** to the larger documents summarized (e.g. Subbasin plans, master plans, annual reports, and study designs)
- Follow **logic path** in justifying proposed action
- For ongoing projects, **address issues** identified in past ISRP and Council reviews
- New proposals: review similar proposals on Taurus
- Fully develop proposal; response loop not available for partial proposals



ASSESSMENT – Identifies Limiting Factors:

Spawning habitat loss due to development in headwaters, passage problems at culverts, high water temperature in lower reaches, extinct coho run

VISION Guides and Prioritizes Actions:

Establish protected and rebuilt self-sustaining fish runs; maintain genetic integrity; reconnect habitats

OBJECTIVES

Type 1, Population: Return 5,000 spring chinook & 1,000 coho
 Type 2, Habitat: Water temperature < 70oF in lower reaches

STRATEGY

Build from Strength - protect all actively spawning redds
 Restore Ecosystem - recover riparian functions in lower reach
 Artificial Production - restoration of coho run

PROJECTS

Habitat Acquisition in Headwaters 198504501	Culvert Replacement and Fencing Exclosure 200100001
---	---

MONITORING & EVALUATION

Indicators: water temperature, sediment load, redd & juvenile counts
 Performance Standards: lower reach water temperatures < 70°F

Reference documents



- Council's 2009 Fish and Wildlife Program
- Subbasin plans & subbasin dashboards
- ISRP and ISAB Reports
- Draft Monitoring, Evaluation, Research, Reporting, and Data Access Framework (MERR) and High level indicators
- RM&E Category Review Programmatic Recommendations
- Monitoringresources.org and Monitoringmethods.org
- ISEMP or CHaMP reports www.champmonitoring.org
- Expert panel limiting factor updates
<http://www.usbr.gov/pn/fcrps/habitat/panels/reference/index.html>

Key Contacts



Lynn Palensky, Council	503.222.5161 lpalensky@nwcouncil.org	General process and review
Marcy Foster, Bonneville	503.230.3446 mmfoster@bpa.gov	Taurus and proposal form
Erik Merrill, ISRP Coordinator	503.222.5161 emerrill@nwcouncil.org	ISRP review and proposal form
Nancy Leonard, Council	503.222.5161 nleonard@nwcouncil.org	Monitoring and data management
Jim Geiselman, Bonneville	503.230.5732 jrgeiselman@bpa.gov or RMEsupport@bpa.gov	BiOp Strategies/RPAs, Habitat Action Effectiveness & Data Management Guidelines
Dal Marsters, Sitka Tech Group	503.808.1208 dal@sitkatech.com	Taurus and cbfish.org technical

Umbrella projects

1. Project #1992-026-01: Grande Ronde Model Watershed
2. Project #2010-077-00: Tucannon River Programmatic Habitat
3. Project #2010-001-00: Upper Columbia Programmatic Habitat
4. Project #2003-011-00: Columbia River Estuary Habitat Restoration
5. Project #2008-104-00: Land & Water Acquisition (Colville Tribe)
6. Project #2009-012-00: Willamette Bi-Op Habitat Restoration
7. Project #2010-073-00: Columbia Land Trust Estuarine Restoration
8. Project #2010-004-00: CREST Estuary Habitat Restoration
9. Project #2010-070-00: WA Estuary MOA Project Scoping & Implementation

Questions to be addressed by Umbrella Projects

1. Describe the primary purpose of the program. Provide a history including past and future changes that serve to improve the program.
2. Describe the steps in the program's process to solicit, review, prioritize, and select habitat projects for implementation. Explain how this is consistent with other similar processes.
3. In your report
 - a. Provide a list of project actions to date and background information.
 - b. Describe how the restoration actions were selected for implementation,
 - c. Describe the process to document progress
 - d. Where project results are reported
 - e. Who is responsible for the final reporting and data management
 - f. Describe problems encountered, lessons learned, and any data collected.
4. Provide a summary of your past annual budgets and on cost share.

Subbasin Dashboards

www.nwcouncil.org/fw/dashboard

about us fish & wildlife energy news reports contact us

Fish & Wildlife - Subbasin Dashboard

ASOTIN SUBBASIN DASHBOARD

COUNCIL RESOURCES

Objectives

Objectives (from 2004 subbasin plan and data)

Filter for	Summer	Winter
1,000 natural adults	1000	1000
500 natural adults	500	500
100 adults distributed among 7 local populations	100	100

Enhance interior functionality to achieve habitat parameters for Trout and other oblige species within habitat classified as GCA Class 1 & 2 (14,000 acres), within protected areas (GAP), and areas of private land that meet one or more of the following conditions: directly contribute to the restoration of aquatic focal species, have high ecological function, are adjacent to public land, and/or are in active grant agreements, have goals and strategies under development

Limiting factors & actions

Factors

Factor	Value
Habitat Quantity and Quality	14
Instantaneous Mortality	3
Sediment Conditions	2
Water Quality	3
Water Quantity	1

Showing 11 limiting factors and 27 recommended actions for multiple species. Click here for more data

Projects

Filter for	Annual reports
2004051805 - Astotin Creek Enhancement and Restoration	reports
2002000000 - Riparian Buffers on Goose and Termini Creeks in Astotin County	reports
2002000000 - Astotin Creek Salmon Population Assessment	reports
2006000000 - Astotin Creek Wildlife Mitigation	reports

EXTERNAL RESOURCES

Programs & plans

STATE -
ENDANGERED SPECIES ACT (ESA) -
HATCHERIES -

Organizations

STATE -
TRIBE -
FEDERAL -

THE ASOTIN SNAPSHOT

News & updates

- Dashboard status: Under Development - check back soon!
- Geographic review starts December 8
- Council's Fish and Wildlife Program Amendment process starting Spring 2014

Focal species & geography

MAPS

10-14-12 map
Protected areas

AQUATIC SPECIES -

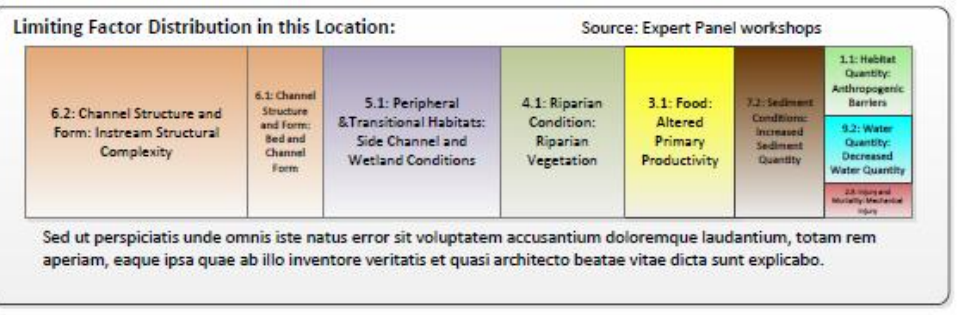
TERRESTRIAL SPECIES -

MONITORING -

REGIONAL DATA -

- Information from subbasin plans
 - objectives, limiting factors, focal species,
 - management plans,
 - status and trend information, etc
- Links to information about a subbasin
 - Project portfolios from Taurus
 - Local maps
 - ESA-related information (RPAs, Recovery plans, Expert Panels, etc)
 - Species, state and tribal management plans
 - Hatchery documentation (HGMPs, HSRG reviews, etc.)
 - local, tribal, state and federal organizations
 - Basinwide monitoring and data storage locations

Limiting Factors



- Linking project actions to limiting factors: proposal form now contains limiting factor assessments results
 - 2012 Expert Panel assessment
 - 2004 subbasin plan EDT and QHA assessments
- If in the proposal form a project's actions are not currently associated to a limiting factor or a new limiting factor should be added the proposal form will request
 - explanation of the linkage between action and limiting factor(s) / degraded condition
 - the source of information used for the proposed limiting factors (i.e. Expert Opinion, Updated EDT model, quantitative data from CHaMP, etc.)

Action Effectiveness Monitoring

Evolving from project to programmatic scale

(establish “cause and effect” or inferential relationships)

Current State of action effectiveness monitoring

- Gather data to evaluate specific types of actions
- Contribute data to programmatic monitoring project (e.g., IMW).
- Generally developed independently without standard methods or metrics
- Rely on other monitoring projects’ results

Potential change for 2014 and out-years

- Discuss in proposals if & how monitoring will be conducted and if:
 1. monitoring results will be integrated into BPA’s draft programmatic approach
 2. if other programmatic M&E projects will be relied upon to inform effectiveness
- 2014 will mark pilot year of BPA’s effectiveness monitoring by action category using a rotating subset of specific categories

In January 2013, BPA’s draft programmatic effectiveness monitoring approach will be available for sponsors to reference & for ISRP review

Status and Trend Monitoring

Evolving from project to programmatic scale

(status of fish populations and watershed conditions over time)

Current State of Status and Trend Monitoring

- Gather data to inform restoration opportunities
- Rely on info produced by other projects to ID restoration opportunities

Potential change for 2014 and out-years

- Discuss in proposals if & how monitoring will be conducted :
 1. Rather than proposing additional S&T monitoring in areas with geographic overlap consider using results from watershed/programmatic projects (e.g., CHaMP)
 2. Employ the watershed/programmatic's status monitoring methods
 3. Contribute data and results to these watershed/programmatic projects.
 4. Consider employing CHaMP's "*Scientific Protocol for Salmonid Habitat Surveys within the Columbia Habitat Monitoring Program (CHaMP) for 2011*" www.monitoringmethods.org/Protocol/Details/416 .

Compliance and Implementation Monitoring

- All projects to gather compliance and implementation monitoring data and report to Bonneville including:
 - type of action, location, and if action was implemented successfully
 - whether actions were implemented properly according to project design or comply with established standards or with laws, rules, or benchmarks (e.g., BMP)
 - Whether project remained functional
- It does not require environmental data
 - usually a low-cost monitoring activity

Data Management



- All data collected by Program funded projects must be publicly available in accordance with applicable state and federal laws
- BPA and the Council, to ensure appropriate data management, longevity of the data, and to facilitate data sharing, encourage
 - documenting BMP’s and standards,
 - protocols used in collecting and analyzing data, and metadata.
 - Associate the above with dataset
 - www.pnamp.org & www.monitoringresources.org for tools & guidance
- Proposal form now requests information as to where and how project data are stored (e.g., agency/regional databases, reports)

Protocol Documentation

- Protocols will need to be submitted as “proposed” at www.monitoringmethods.org to submit a proposal
- If you have questions or need help with protocol documentation please contact
 - monitoringmethods.org support staff in the help link
 - BPA at rmesupport@bpa.gov
- Explain in your proposal why and how you are using this protocol (tell the story)

Questions

