

FCRPS BiOp Requirements

- RPA Action 35 of the BiOp requires the Action Agencies to:
 - Identify habitat projects for implementation to achieve population specific habitat quality improvements listed in RPA 35, Table 5.
 - Convene expert panels to evaluate the percent change in overall habitat quality at the population scale from projects implemented previously and projects proposed for implementation.
 - Use methods consistent with the Remand Habitat Collaboration Workgroup (HCW) process to estimate changes in habitat quality.

FCRPS BiOp RPA 35 Table 5 Population Specific Targets

ESA Listed ESU	Major Population Group	Population	Estimated % Habitat Quality Improvement of 2007-2009 Actions	Total Estimated % Habitat Quality Improvement of 2007-2017 Actions
Snake River Spring/Summer Chinook	Grand Ronde/Imnaha	Catherine Creek	4	23
		Lostine/Wallowa River	2	2*
		Grand Ronde River upper mainstem	2	23
		Imnaha River mainstem	1	1*
	Middle Fork Salmon River	Big Creek	1	1*
	South Fork Salmon River	Secesh River	1	1*
		South Fork Salmon River Mainstem	<1	<1*
	Lower Snake	Tucannon River	7	17
	Upper Salmon River	East Fork Salmon River	1	1*
		Lemhi River	7	7*
		Pahsimeroi River	41	41*
		Salmon River lower mainstem below Redfish Lake	1	1*
		Salmon River upper mainstem above Redfish Lake	14	14*
		Valley Creek	1	1*
		Yankee Fork	10	30

FCRPS BiOp RPA 35 Table 5 Population Specific Targets

ESA Listed ESU	Major Population Group	Population	Estimated % Habitat Quality Improvement of 2007-2009 Actions	Total Estimated % Habitat Quality Improvement of 2007-2017 Actions
Snake River Steelhead	Clearwater River	Lochsa River	6	16
		Lolo Creek	8	12
		Selway River	<1	<1
		South Fork Clearwater River	5	14
	Grand Ronde River	Grand Ronde River lower mainstem tributaries	<1	<1*
		Grand Ronde River upper mainstem	4	4*
		Joseph Creek (OR)	<1	4*
		Joseph Creek (WA)	4	<1*
		Wallowa River	<1	<1*
	Hells Canyon	Hells Canyon		
	Imnaha River	Imnaha River		*
	Lower Snake	Asotin Creek	4	4*
		Tucannon River	5	5*
	Salmon River	Lower Middle Fork mainstem and tribs (Big, Camas, and Loon Creeks)	1	2
		East Fork Salmon River	2	2*
		Lemhi River	3	3*
		Pahsimeroi River	9	9*
		Salmon River upper mainstem	6	6*
		Secesh River	1	6
		South Fork Salmon River	<1	1

Habitat Quality Improvement Estimates

- Initial estimates of habitat quality improvements considered under the BiOp were developed during the BiOp Remand Collaboration.
- The Action Agencies convened Expert Panels in 2009 to validate and update initial estimates. Expert Panels are scheduled to convene again in 2012.
- New scientific information is to be considered to estimate benefits for future implementation

Tributary Expert Panel Process

(formulated by HCW during 2006 Remand Collaboration)

For each priority population:

- Identify limiting habitat factors for each assessment unit/watershed.
- Estimate the “current” status of habitat limiting factors in an assessment unit/watershed
- Estimate the “potential” status of habitat limiting factors as a percent of optimal condition that should result if the habitat action is implemented
- Consider identified habitat actions that have, or will, directly or indirectly address the habitat limiting factor
- Estimate the % change in habitat function that would occur from implementation of the habitat actions

HCW methodology involves:

- Local Expert Panels who "*look back*" to validate or revise actual status of planned habitat actions and associated changes in habitat limiting factors identified for the last implementation cycle;
- Local Expert Panels who "*look forward*" to identify planned habitat improvement actions and associated changes in habitat limiting factors for the next implementation cycle.

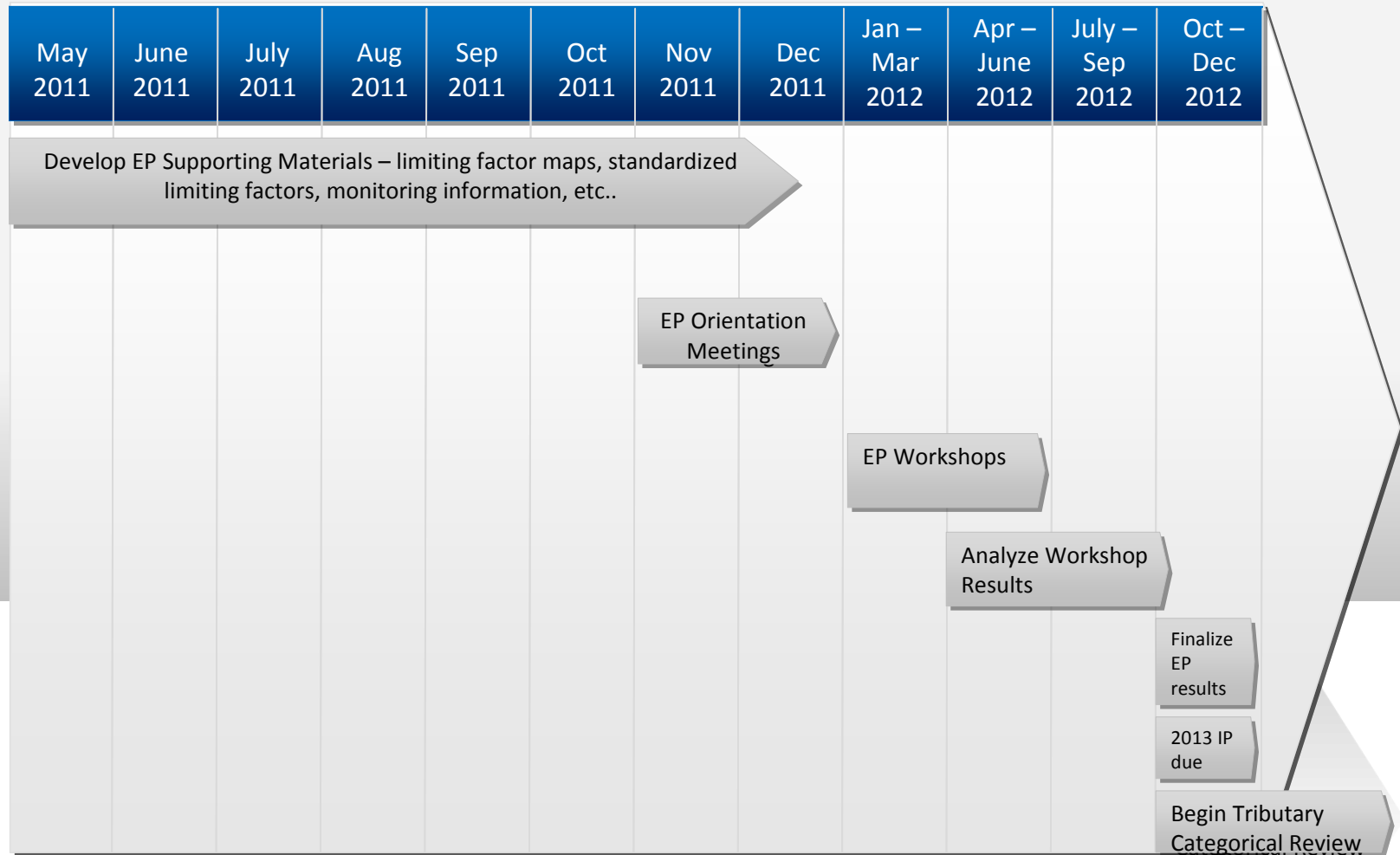
HCW methodology involves:

- Action Agencies who combine changes in habitat limiting factors into a single local habitat condition value, combine local habitat condition values into a single overall habitat condition value for the population, and translate overall habitat condition change into population survival change.

Estimate of Habitat Quality Improvement

- Calculated survival changes are compared to the FCRPS BiOp RPA 35 Table 5 targets and may prompt revised levels of effort for some populations.

2011 - 2012 Expert Panel Workshop Schedule



Area	Pre-Meetings	Followup Mtgs	Workshops
Upper Columbia Coordinate through UC Salmon Recovery Board	Wenatchee August 9	September 2011 – January 2012	April 2012
Lower Snake (Tucannon) Coordinate through Snake River Salmon Recovery Board	Dayton October 4	December 2011 – January 2012	January-April 2012
Upper Salmon Coordinate through Idaho Office of Species Conservation & SWCD	Salmon, ID September 27/28	November 2011 – January 2012	January-April 2012
Lower/MF Salmon Coordinate through Idaho OSC, NPT, & USFS	Riggins November 9	To be determined	January-April 2012
Grande Ronde/Imnaha Coordinate through Grande Ronde Model Watershed	LaGrande October 5	To be determined	January-April 2012
Clearwater Coordinate through Idaho OSC, NPT, USFS	Lewiston November 10	To be determined	January-April 2012

Nez Perce Tribe DFRM “Homework”

1. Work with other local experts and decide whether or not to transition from the existing Expert Panel LFs to the NOAA developed "standardized" limiting factors for the 2013-2018 time period (ie. the "look forward").
 - Action Agencies are available to facilitate this effort.
 - Reclamation "pie maps" reflect the existing Expert Panel limiting factors and could be a useful tool for this exercise.
 - If decide to transition to the standardized limiting factors, then validate or assess the "new" LF weightings and current/potential functions (bookends).
 - If decide not to transition to the standardized limiting factors, then validate/refine the current Expert Panel LF bookends.

Nez Perce Tribe DFRM “Homework”

2. Prepare “Actions List” of actions implemented in 2010-2011 (2012 actions will have to be evaluated in the 2015 Expert Panels)
 - BPA will provide a PISCES report of metrics accomplished by watershed in the 2009-2011 time frame.
 - Nez Perce staff to review and validate report and identify limiting factors addressed.
3. Prepare list of Potential Actions for 2013-2018 implementation.
 - BPA is preparing guidance for this effort and expects to have it available by early December.
 - You can start by describing actions that you think are feasible for implementation in 2013-2018, identify assessment unit/watershed location, limiting factor(s) addressed, and quantified metrics.

Nez Perce Tribe DFRM “Homework”

4. Work with other local experts to identify monitoring information, data, analysis, or reports that would be helpful for the 2012 (or later) expert panel workshops.
 - Action Agencies are available to facilitate this effort.
 - NOAA Science Center staff is ready to help with presentation of data sets.
 - Think about what information you know of that would assist with identifying limiting factors, and estimating habitat function and habitat change.
 - Need your input as soon as possible if it is to be available for the 2012 workshops.

Nez Perce Tribe DFRM “Homework”

- Scope potential dates/locations for actual Expert Panel workshops (January – April timeframe)