

Science, Service, Stewardship



Goals of Tributary Monitoring and Evaluation Framework

- Council's Fish & Wildlife Program Habitat-based program "to rebuild healthy, naturally producing fish and wildlife populations by protecting, mitigating, and restoring habitats and biological systems within them"
- FCRPS BiOp –

"Protect and improve tributary habitat based on biological needs and prioritized actions ... to achieve specified habitat quality and fish survival improvements"

• [RPA 35]

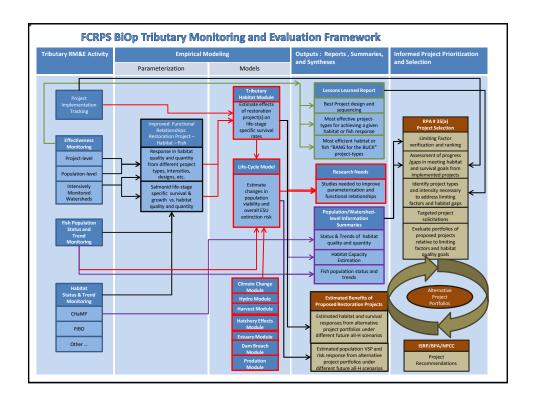
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Goals of Tributary Monitoring and Evaluation Framework

- ➤ Select restoration projects based on habitat limiting factors and prioritize to achieve specified habitat quality improvements
- ➤ Empirically verify that estimated habitat quality improvements have been achieved
- ❖ Achieve "success" faster with the minimum expenditure of resources

Tributary Monitoring and Evaluation Framework • Diagram the relationships among the various RM&E elements, and how they inform: **Note: The project selection and prioritization and prioritization of habitat-quality and fish-survival improvements**



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Tributary Monitoring and Evaluation Framework

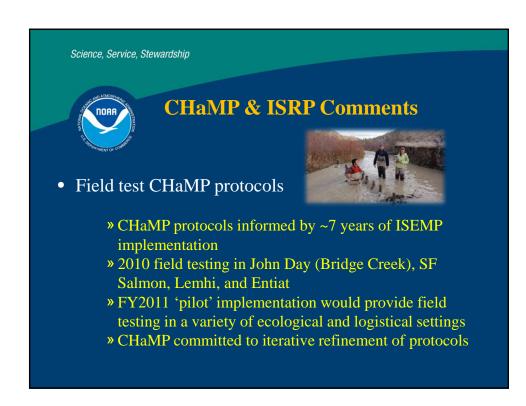
- Diagram the relationships among the various RM&E elements, and how they inform:
 - » Lessons learned
 - » Empirically-driven project selection and prioritization
 - » Verification of habitat-quality and fish-survival improvements
- Accompanying narratives detail: leads, products, timelines, regional coordination, and check-in points to identify efficiencies

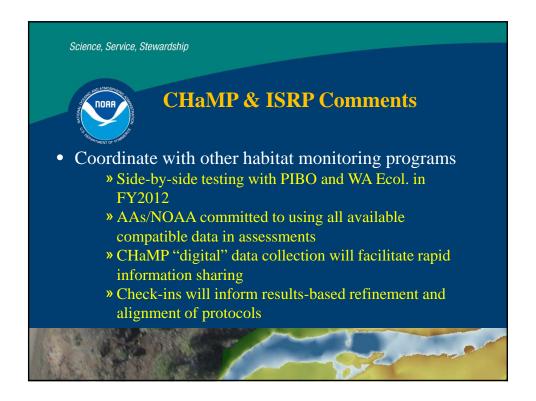
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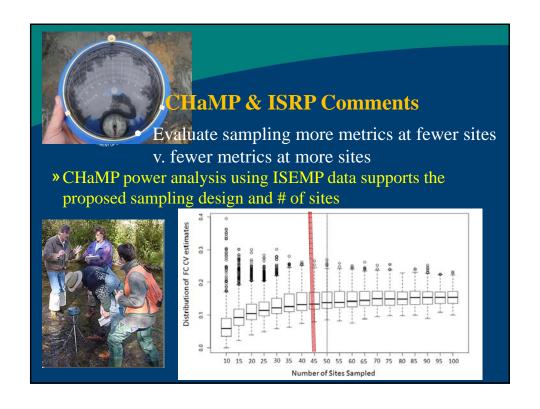


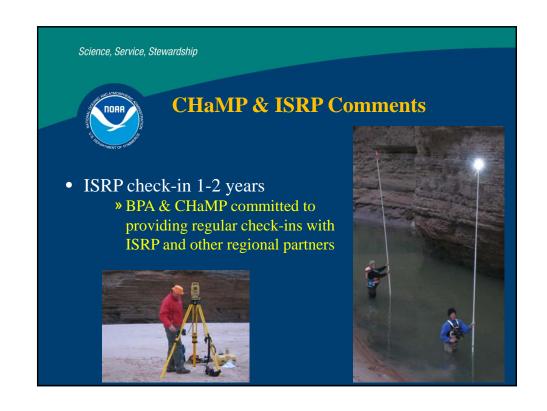
Constraints and Uncertainties

- Pressing timelines for implementing the framework elements
 - » 2010 BiOp requires that <u>all</u> habitat and fish monitoring be in place by 2011
 - » 2013 Comprehensive Evaluation
 - » Full implementation in FY2012 essential
- AA/NOAA "framework" will address uncertainties by describing linkages and detailing products, analytical methods, timelines, and check-ins

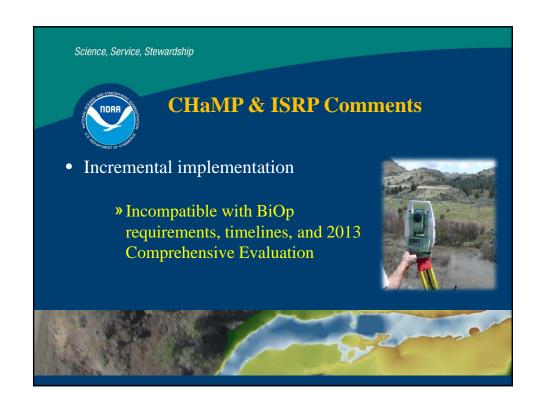








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				IMW	Existing	FY2011	FY11 Mod. ISEMP	FY11 CHaMP	FY12 CHaM
NORA DE LA COMPANIA D	Snake River	South Fork Salmon	South Fork	Х	х		×		
		Middle Fork Salmon	Big Creek			Х			х
		Upper Salmon	Lemhi	Х	Х		Х		
			Pahsimeroi			Х			Х
			Yankee Fork			X			
		Clearwater*	Lolo Creek*		Х				Х
		Lower Snake	Tucannon		Х			X	
			Asotin*		Х				Х
			Upper Grande						
			Ronde		Х			Х	
Describe			Catherine Creek	Х	X		Х		
intogration		Imnaha	Imnaha*						X
integration	Upper Columbia	Upper Columbia	Wenatchee	X	X		X		
with fish			Entiat Methow	X	X		X		
monitoring			Okanogan*	X	X		X		Х
		Eastern Cascades*	Klickitat River*	Λ	X				X
		Yakima*	Topenish*		X				X
		John Day*	Lower		^				
		,	Mainstem*	Х	x		Х		
			North Fork*	X	X		X		
			Upper						
			Mainstem*	X	Х		×		
			Middle Fork*	X	X		X		
			South Fork*	Х	Х		Х		
		Umatilla/ Walla Walla*	Umatilla*		х				х
	Lower Columbia*	Gorge*	Wind*			Х			Х
	* Steelhead only								



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Proposed Next Steps

- What can NOAA do to increase Council members' and Council staff's support of full CHaMP implementation in FY2012?
 - » Increase understanding of CHaMP's critical role in informing the larger framework
 - » Incorporate ISRP comments and Council staff recommendations in AA/NOAA framework document
 - » Engage Council and include Council staff in development and approval of AA/NOAA framework document

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What's Next?

- This isn't all about RM&E
 - » On-the-ground restoration projects that address the primary limiting factors for priority anadromous populations
 - » Demonstrated habitat quality and survival improvements
 - » Results-based refinements informing a more streamlined and efficient RM&E program