FINAL Meeting Notes Lewis River License Implementation Aquatic Coordination Committee (ACC) Meeting August 14, 2008 Ariel, WA

ACC Participants Present (27)

Jim Bryne, WDFW Clifford Casseseka, Yakama Nation Michelle Day, NMFS Jeremiah Doyle, PacifiCorp Energy David Geroux, WDFW (via teleconference 9:00am - 11:15am) Diana Gritten-MacDonald, Cowlitz PUD Bernadette Graham Hudson, LCFRB Adam Haspiel, USDA Forest Service Eric Holman, WDFW (9:00am – 11:15am) LouEllyn Jones, USFWS George Lee, Yakama Nation Curt Leigh, WDFW (via teleconference 9:45am – 10:45am) Erik Lesko, PacifiCorp Energy Jim Malinowski, Fish First Kimberly McCune, PacifiCorp Energy Kathryn Miller, Trout Unlimited (via teleconference 11:00am – 2:15pm) Kirk Naylor, PacifiCorp Energy (9:00am – 11:15am) Bob Nelson, RMEF (via teleconference 9:00am – 11:15am) Todd Olson, PacifiCorp Energy Frank Shrier, PacifiCorp Energy Neil Turner, WDFW Steve Vigg, WDFW Shannon Wills, Cowlitz Indian Tribe Lindsy Wright, USFWS Intern Cherie Kearney, Columbia Land Trust (9:30am – 11:15am) Tom Tuchman, US Forest Capital (9:30am – 11:15am) Gary Winans, NOAA Fisheries (11:15am – 12:00 pm) Mike Hudson, USFWS (12:00pm – 2:15pm)

Calendar:

Sept. 10, 2008	TCC Meeting	Lacey, WA
Sept. 11, 2008	ACC Meeting	Merwin Hydro

Assignments from August 14th Meeting:	Status:
Kearney: George Lee (Yakama Nation) requested CLT background	Complete - 8/26/08
and funding information mailed to his attention.	
McCune: Email Gary Winans PowerPoint "Genetic Work Relating to	Complete – 8/19/08
the Hatchery & Supplementation (H&S) Plan" to all ACC	
representatives.	

Assignments from July 10th Meeting:	Status:		
Shrier: Follow up with Bryan Nordlund relative to his requested edits	Complete - 8/14/08		
to the 6/12/08 meeting notes prior to finalizing.			
McCune: Email the ACC a reminder to submit ATE comments in	Complete - 7/15/08		
writing and the date we would like to receive these comments.			
McCune: Email all RMIS data provided to the ACC to date all	Complete - 7/28/08		
together in one email.			

Opening, Review of Agenda and Meeting Notes

Frank Shrier (PacifiCorp Energy) called the meeting to order at 9:10 a.m. Shrier requested a round-table introduction for the benefit of those on the conference call and for the TCC members in attendance, reviewed the agenda for the day, updated assignments and requested any changes to the agenda. LouEllyn Jones (USFWS) indicated that Shelley Spalding has been ill and would like to postpone the Lewis River Bull Trout Action Plan Discussion to the September ACC meeting.

Shrier requested comments and/or changes to the ACC Draft 7/10/08 meeting notes. The meeting notes were approved at 9:15am to include the following changes as submitted by Michelle Day, NMFS:

Add the following text to the top of page 3: *Michelle Day (NMFS) informed the ACC that NMFS would prefer to have water released through the top of the Speelyai Creek Diversion so eventually that whole area could be used by anadromous fish.*

On page 3, third paragraph add the following text: Day further stated that using today's data is not the same as when there is a new configuration. Another way to look at it is the standard should be set and the trap modified to meet this standard. Not the trap built to meet existing conditions.

License Issuance Update

Todd Olson (PacifiCorp Energy) informed the ACC attendees that PacifiCorp, Cowlitz PUD, National Marine Fisheries (NMFS), Clark County and WDFW all filed a request for rehearing and clarification on certain license articles. All parties are waiting for the Federal Energy Regulatory Commissions (FERC) response. This does not affect the present FERC submittal time commitments. The Utilities called the FERC at their request to schedule a meeting this Fall with them in Washington, DC to talk over license articles and conditions. The Utilities were requested to present a PowerPoint which illustrates to the FERC how the Utilities will complete all the required tasks over the life of the license.

Both Utilities have the responsibility to implement the license now and not wait for the outcome of the rehearing. PacifiCorp has 90 days to update Exhibit G and is on schedule for this submittal. In addition, PacifiCorp will be submitting a Water Quality Management Plan to the Washington Department of Ecology on or before 9/24/08.

ACC/TCC Combined Meeting – Lands Update (CONFIDENTIAL)

Olson informed all ACC & TCC attendees that the conversation to follow is considered confidential and proprietary and not intended for the general public distribution or for members who have not signed a confidentiality agreement. All attendees present have signed a confidentiality agreement.

Olson provided a background to all attendees as to why lands update discussions are considered confidential and requested input from the ACC on any aquatic concerns relating to certain land acquisitions under consideration.

Cherie Kearney (Columbia Land Trust - CLT) and Tom Tuchman (US Forest Capital) presented a PowerPoint presentation to include an overview of the subject site(s), financial investors, objectives and the negotiation progress thus far.

Naylor also provided an update of other interests in certain lands, however, this discussion is considered confidential and proprietary and not for public viewing. Naylor invited those ACC & TCC participants who are interested in visiting the subject site to contact him directly at kirk.naylor@pacificorp.com

George Lee (Yakama Nation) requested CLT background and funding information mailed to his attention.

<Break 11:15am> <Reconvene 11:30am>

Gary Winans (NOAA Fisheries) – Genetic Work Relating to the Hatchery & Supplementation (H&S) Plan

Winans reviewed a PowerPoint presentation titled, "*Genetic Work Relating to the Hatchery & Supplementation (H&S) Plan*", August 2008 (Attachment A) which can also be located on the Lewis River website at the following link: http://www.pacificorp.com/Article/Article78699.html

Kimberly McCune (PacifiCorp Energy) will also email a PDF of the presentation to all ACC representatives.

Winans presentation was created to address questions concerning the following:

- Resident rainbow vs. steelhead,
- late-winter steelhead @Merwin vs. winter-run hatchery steelhead, and
- late-winter steelhead @ Merwin vs. other Lewis River steelhead stocks

Winans illustrated that rainbow trout (residents and introduced hatchery stocks) are <u>genetically</u> different from steelhead and that resident and introduced hatchery stocks of rainbows are <u>morphologically</u> different from steelhead (juveniles).

In addition, Winans discussed the preliminary parr mark analyses and how they show that resident trout have a more complex coloration pattern, the indicators of adaptation. He also presented genetic data of wild late-winter steelhead vs. hatchery winter-run steelhead. The structure results of Lewis mSATS indications, and the mSAT markers will be used to monitor success of steelhead colonization and rainbow steelhead crosses.

<Working Lunch 12:15pm>

Bull Trout Distribution (BT), Lewis River Subbasin – Mike Hudson (USFWS)

Hudson reviewed a PowerPoint presentation titled, "*Bull Trout Distribution, Lewis River Subbasin*", August 14, 2008 (Attachment B) relating to BT distribution, which can also be located on the Lewis River website at the following link: <u>http://www.pacificorp.com/Article/Article78699.html</u>

Hudson discussed the Patch concept (*the limits or boundaries of environmental conditions that can support a biological response*) which included the background of patch analysis, delineation of patch characteristics, patch model design, approach and results. He discussed the recovery objectives of the Bull Trout Recovery Monitoring & Evaluation Work Group (RMEG) to include distribution, abundance, habitat and connectivity. Hudson discussed the RMEG challenges such as varying amounts of available information and limited resources. The PowerPoint described RMEG's guidance parameters, habitat parameters, patch delineation (compilation of temperature data), linear regressions by major watersheds, Generalized Random Tessellation Stratified (GRTS) sample design and probability of detection.

Hudson reviewed the biological and physical sample approach and the incorporation of local knowledge such as known distribution, barriers, spawning areas and life history types. Lastly, Hudson discussed the advantages of the patch concept.

The end purpose is to collect empirical data, which later is passed on to USFWS for their use and/or perhaps incorporation into the Bull Trout Recovery Plan.

Continued Review of Aquatic Fund – Strategic Plan and Administrative Procedures (September 2005). *Are changes to the Strategic Plan needed?*

Olson provided a matrix handout (Attachment C), which included collective comments received by PacifiCorp thus far as an attempt to help address the list of discussion points indicted below:

Olson suggested we address two questions today and asked each ACC attendee for input.

List of Discussion Points				
• Should we stop funding projects	How can process become more			
until fish are reintroduced?	efficient to meet the schedule?			

Should we stop funding projects until fish are reintroduced?

Jim Malinowski (Fish First) – No. Only projects that are truly worthy and that really help fish should get funded. The Fund is not just for reintroduction of anadromous fish, but for the whole basin and mitigation for aquatic habitat inundated by the reservoirs. Fund announcement needs to stress what the ACC is looking for in habitat projects.

Bernadette Graham-Hudson (LCFRB) – No. However, more weight should be give to projects that benefit re-introduction of anadromous fish.

Clifford Casseseka (Yakama Nation) – No. The Settlement Agreement gives direction for the Aquatic Fund. The ACC should respond accordingly in a professional fashion and work through any funding response differences together.

Adam Haspiel (USFS) - No. if we wait until fish are reintroduced to do any work, we may be years behind habitat needs of reintroduced fish, and create an unsuccessful reintroduction effort. He would like to see NOAA and USFWS be more involved in the identification and review of projects. The ACC should consider how proposed projects address issues identified in the 2008 Habitat Synthesis.

Shannon Wills (Cowlitz Indian Tribe) – No. Look at each project on a case by case basis and ask the question does the project benefit anadromous fish reintroduction efforts?

LouEllyn Jones (USFWS) - We should continue funding projects now, and not wait until reintroduction takes place.

Michelle Day (NMFS) – No. The ACC should spend the fund on the appropriate projects while looking to make the anadromous fish reintroduction a success.

Jim Bryne (WDFW) – No. Each project should have strong justification; bull trout projects should be supported by the recovery plans or other levels of support.

<u>Decision</u> - The ACC should not withhold distribution of Aquatic Funds until anadromous fish are reintroduced upstream of Merwin dam. Future funding should only be spent on projects that justifiably benefit the anadromous fish reintroduction, recovery of listed species, and/or fish habitat (per Lewis River Settlement Agreement).

How can process become more efficient to meet the schedule?

Bernadette Graham- Hudson (LCFRB) - A more detailed budget form should be provided in the proposal.

LouEllyn Jones (USFWS) - The project proposals need to include enough information to adequately describe the project and its context within the Lewis River basin.

Michelle Day (NMFS) - The FERC's response to rehearing could affect the funding process.

Jim Bryne (WDFW) - September timeline does not work for WDFW for the initial preproposal due to staff needs in the field.

Study Updates

Erik Lesko (PacifiCorp Energy) and Shrier provided the following study updates:

Swift Constructed Channel Concept Design and Swift Upper Release Design –Schedule remains unchanged.

Hatchery Upgrades Lewis River Pond 15 – Construction is still planned to begin January 2009; permits submitted to the county including the engineer stamped project drawings. Speelyai Burrows Pond – Construction planned for 2009; permits submitted to the county

Lewis River Ponds 13 & 14 – Completed conceptual design - on schedule.

Hatchery and Supplementation (H&S) Plan – Comments on the Early Winter Steelhead and Summer Steelhead HGMPs due to James Dixon (WDFW) by August 15, 2008.

Acclimation Pond Plan – In process of obtaining engineering services for the projects.

Yale BT Entrainment Reduction Study Plan – The project design of an electrical barrier has exceeded financial expectations for a process that may not work; PacifiCorp is modifying project to construct a fish barrier net instead.

New topics/issues

None

Agenda items for September 11, 2008 (Conference call was suggested)

- ▶ Review August 14, 2008 Meeting Notes
- Continued Review of Aquatic Fund Strategic Plan and Administrative Procedures (September 2005) *Review suggested changes to the Strategic Plan*
- Study/Work Product Updates
- License Issuance Update

Public Comment Opportunity

No public comment was provided.

Next Scheduled Meetings

September 11, 2008 (via conference call - to be confirmed)	October 9, 2008
Merwin Hydro Facility	Merwin Hydro Facility
Ariel, WA	Ariel, WA
9:00am – 3:00pm	9:00am – 3:00pm

Meeting Adjourned at 2:15pm

Handouts

- o Final Agenda
- Draft ACC Meeting Notes 7/10/08
- Attachment A Genetic Work Relating to the Hatchery & Supplementation (H&S) Plan", August 2008
- Attachment B Bull Trout Distribution, Lewis River Subbasin", August 14, 2008
- Attachment C Review of Aquatic Fund Strategic Plan and Administrative Procedures (September 2005), with collective comments dated August 14, 2008

We are addressing questions concerning:

Resident rainbow vs. steelhead,

late-winter steelhead @Merwin

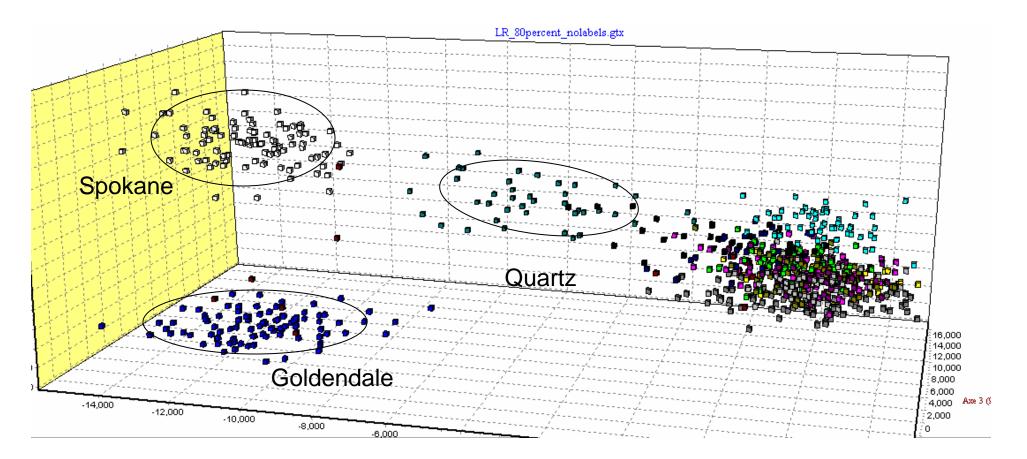
vs. winter-run hatchery steelhead, and

vs. other Lewis River steelhead stocks. <u>Gary.winans@noaa.gov</u> 14 Aug 2008

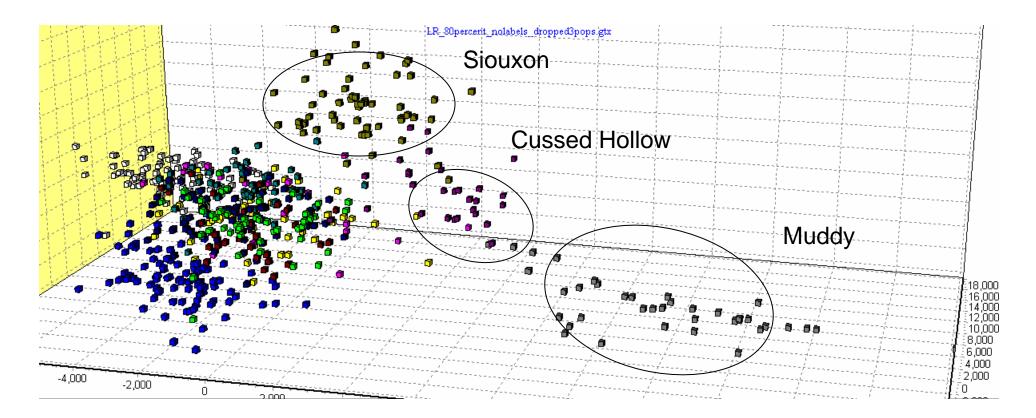
Above	Quartz Cussed Hollow Muddy Eagle Cliff Trap Siouxon
Below	 @ Merwin Dam 05,06, and 07 Hatchery winters Hatchery summers Cedar 96 & 03 EF Lewis NF Lewis (mix)

Goldendale & Spokane

Rainbow trout (residents and introduced hatchery stocks) are <u>genetically</u> different from steelhead.



Rainbow trout (residents and introduced hatchery stocks) are <u>genetically</u> different from steelhead: part 2.

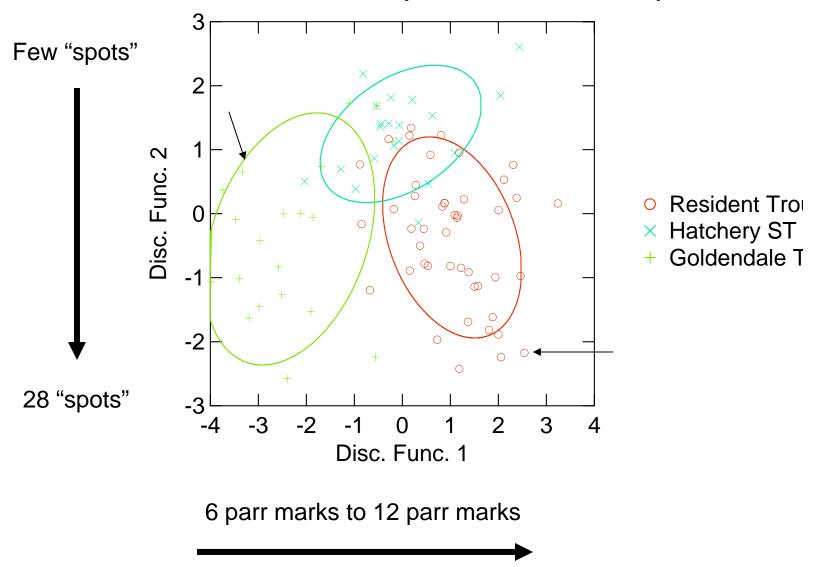


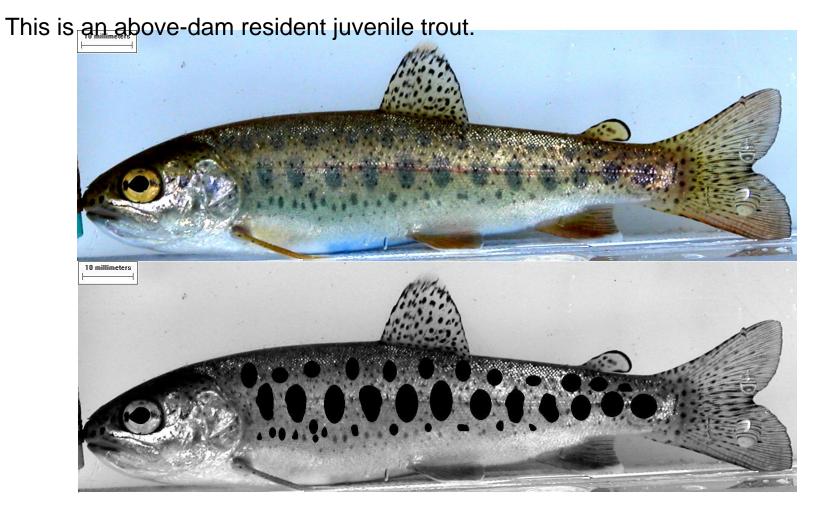
After dropping Quartz, Goldendale, and Spokane collections.

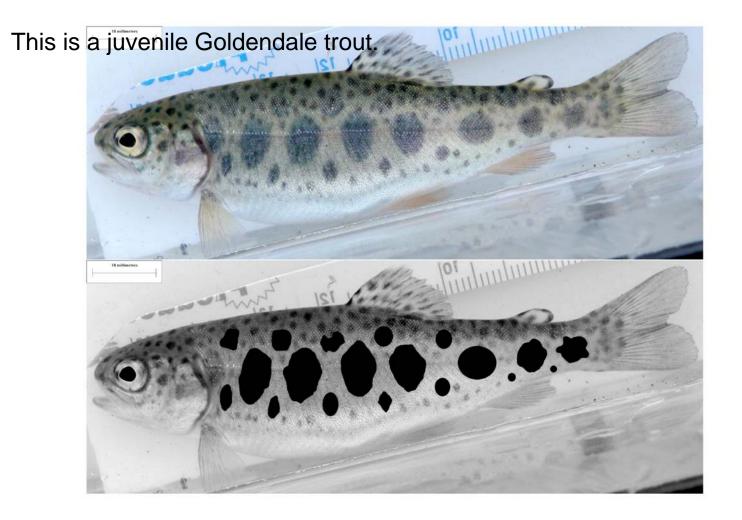
Resident and introduced hatchery stocks of rainbows are <u>morphologically</u> different from steelhead (juveniles).



Preliminary parr mark analyses show that resident trout have a more complex coloration pattern.

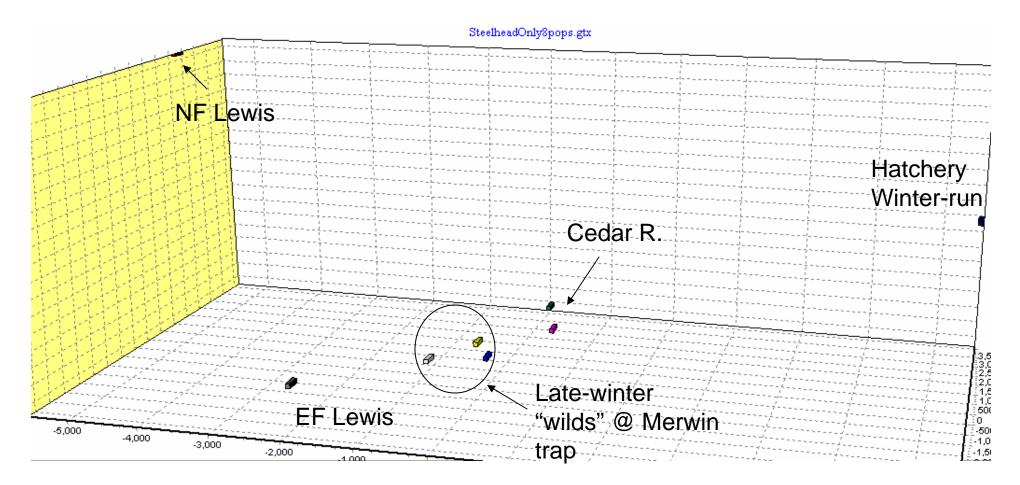


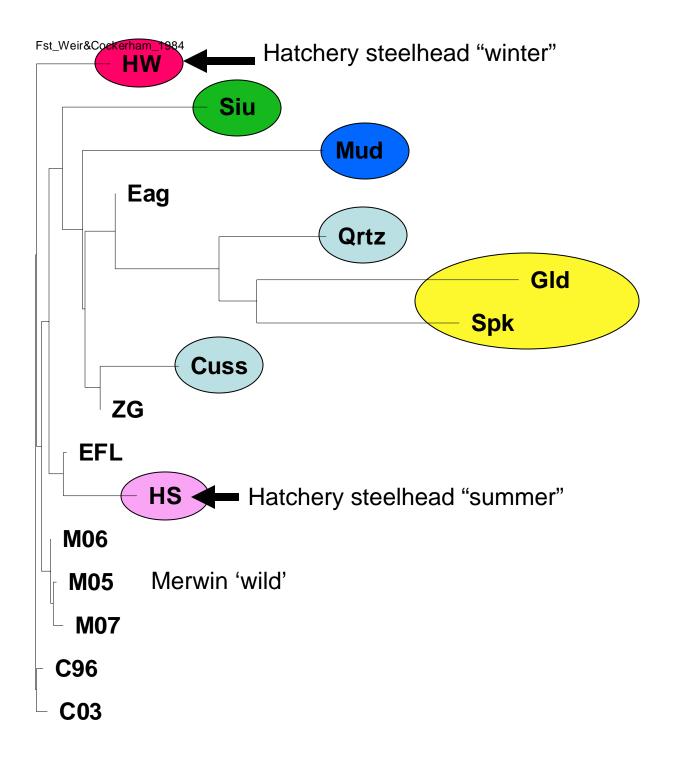




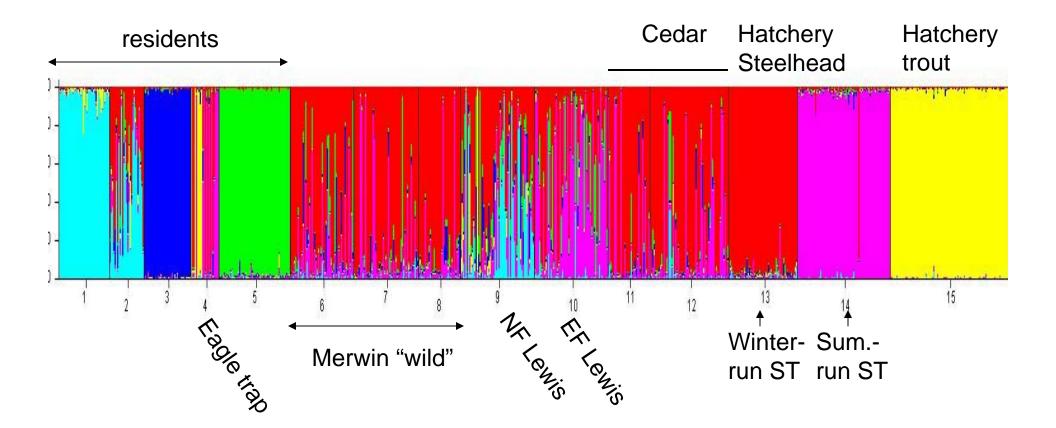
Pg 35

Collections of steelhead are genetically different from the hatchery winter-run steelhead.

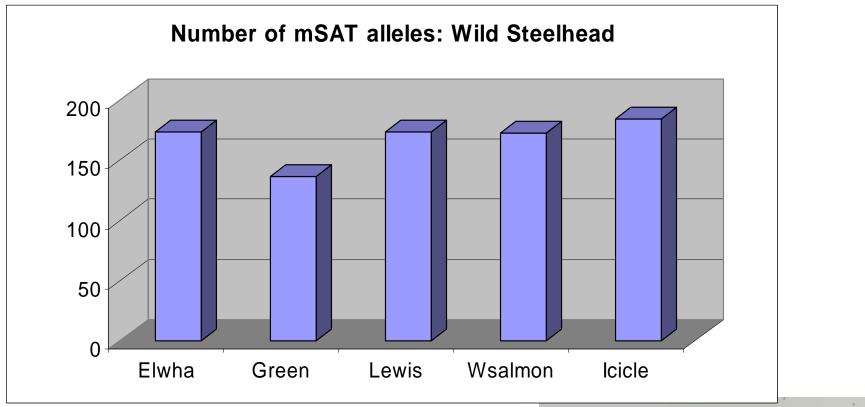




Structure results of Lewis mSATS indicate 6 gene pools.



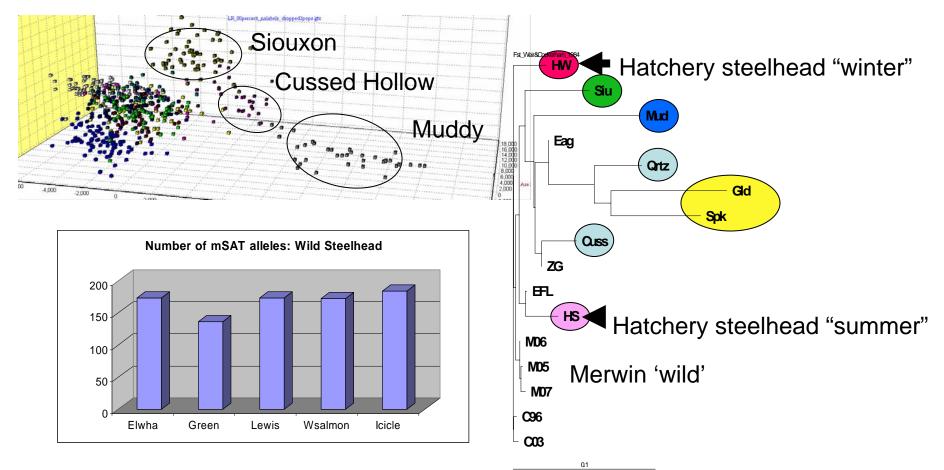
mSAT markers provide a powerful means to monitor the success of recolonization.



168 alleles available to monitor recolonization



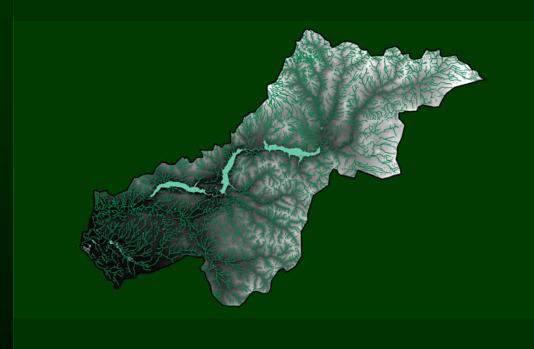
mSATs



168 alleles available to monitor recolonization



Bull Trout Distribution Lewis River Subbasin



USFWS-CRFPO Vancouver, WA August 14, 2008

Patch concept

- Background
- Patch delineation
- Sample design
- Sample approach
- Results
- Review and adjustment
- Advantages to approach

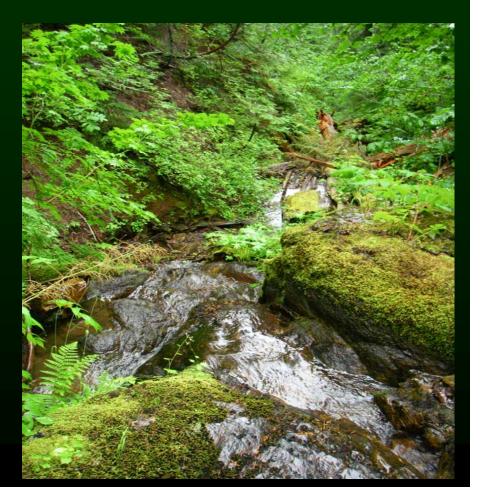


Background - RMEG

- Bull Trout Recovery Monitoring and Evaluation Technical Workgroup (RMEG)
 - A multi-agency body working to overcome challenges so as to provide recommendations toward broad scale monitoring and evaluation strategies essential for evaluating progress towards bull trout recovery objectives/criteria across the region, assessing changing status, and evaluating effectiveness of specific recovery actions.

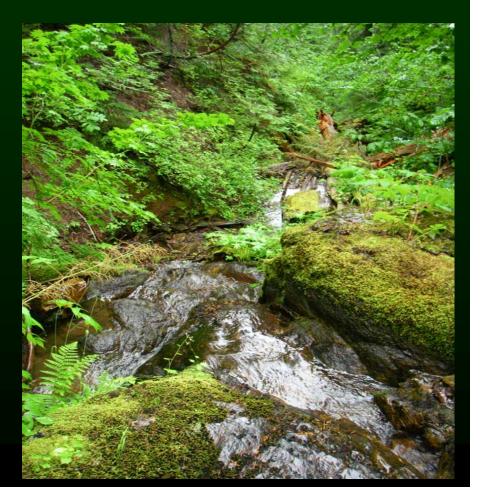
Background – BT Recovery

- Bull Trout "Recovery Objectives"
 - Distribution
 - Abundance
 - Habitat
 - Connectivity



Background – BT Recovery

- Bull Trout "Recovery Objectives"
 - Distribution
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• Patch

- "the limits or boundaries of environmental conditions that can support a biological response" – Dunham et al. 2002
- Concept rests on the observations that animal populations are not uniformly distributed across the landscape
- Distributions are tied to specific habitat features

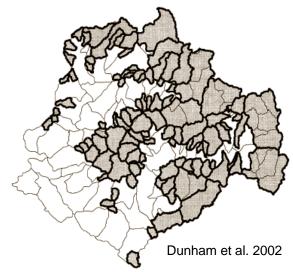


- Temperature/Elevation
 Nonnative fish
- Catchment area
- Stream width
- Gradient
- Barriers

- - Solar radiation
 - Patch isolation
 - Road density
 - Geology



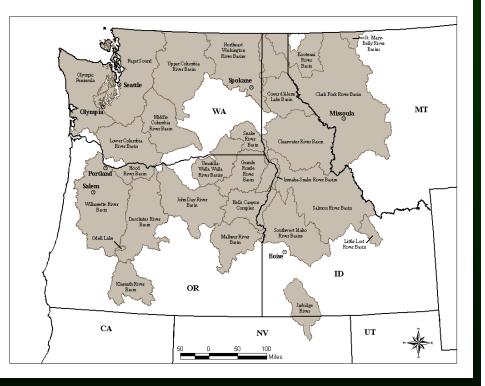
- Dunham and Rieman (1999) applied patch concept to Boise River basin
- "Biological Response"
 - Identified potential spawning and early life rearing habitat for bull trout
- Utilized many habitat parameters



 If patches could be delineated for bull trout in core areas across the range, it potentially provides a sampling template for assessment and monitoring of distribution by modeling potential habitat and becomes a quantifiable unit toward recovery

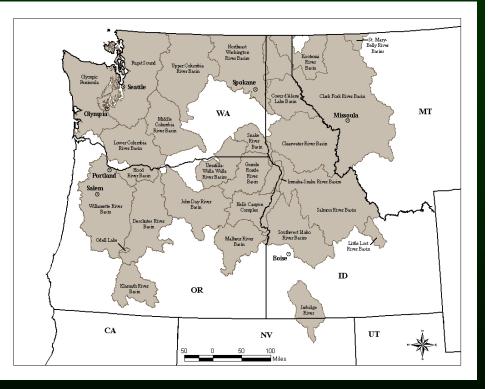
• RMEG challenge

- Apply patch concept across a broad geographic scale
 - Varying amounts of available information
 - Limited resources



• RMEG challenge

- Apply patch concept across a broad geographic scale
 - Varying amounts of available information
 - Limited resources
- Develop sampling design within patch framework that allows a statistically sound and rigorous evaluation of current bull trout distribution among and within patches and changes over time
 - Limited resources



RMEG guidance

- Bull trout patches should be applied as a consistent spatial template
 - Water temperature/elevation (≤ 16° C maximum temp)
 - Catchment area (\geq 400 hectares)
 - Stream order (no larger than 3rd order at 1:100k scale)

Determine the proportion of occupied patches

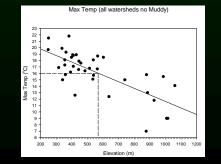
Patch delineation – Lewis River

• Compile available temperature data

Develop temperature/elevation model

Conduct GIS analyses







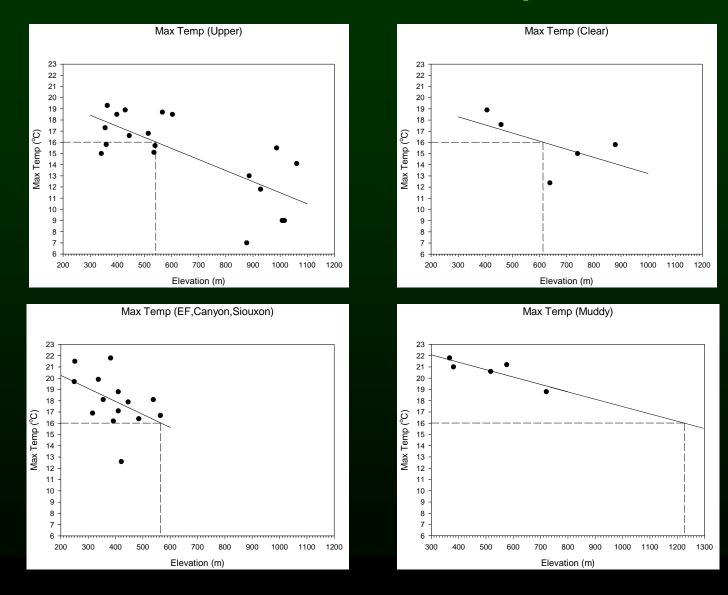
Patch delineation – Temperature

- Central Skill Center/Gifford Pinchot National Forest
 - 1996 Water Quality Monitoring Report
 - 1997 Water Quality Monitoring Report
 - 1998 Water Quality Monitoring Report
- Mt. St. Helens National Volcanic Monument/Gifford Pinchot National Forest
 - 1999 Water Quality Monitoring Report
 - 2000 Water Quality Monitoring Report
 - 2001 Water Quality Monitoring Report
 - 2002 Water Quality Monitoring Report
 - 2003 Water Quality Monitoring Report

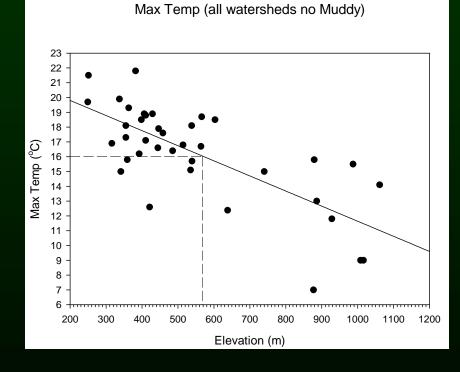
Patch delineation – Temperature

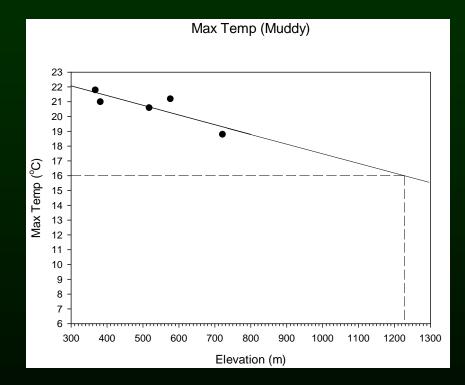
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	Station					Elevation		Maximum
Stream		Location	Watershed	UTM-X	UTM-Y	(m)	Year	Temperature
Canyon Creek	03080501	above Big Rock Creek (baseline)	Canyon/Siouxon	559232.88	5086279.12	316		16.9
Canyon Creek		above Jake's Creek	Canyon/Siouxon	564724.20	5082796.82		2001	12.6
Siouxon Creek	0308052	below West Creek (baseline)	Canyon/Siouxon	563518.79	5088288.13	337	1998	19.9
Clear Creek	03070603	above Elk Creek	Clear Creek		5120968.16		1998	15.0
Clear Creek	03070605	below Elk Creek	Clear Creek	581426.03	5120040.96	638		12.4
Clear Creek		nr Muddy River confluence (baseline)	Clear Creek		5110930.38	406		18.9
Clear Creek		below Spencer Butte	Clear Creek	579864.22		458		17.6
Wright Creek		trib to Clear Creek	Clear Creek	581798.96	5116470.89	879		15.8
Copper Creek	03130501	above Bolin Creek (baseline)	EF Lewis	559366.82	5071546.32	382		21.8
EF Lewis River		below Copper Creek (baseline)	EF Lewis	554813.04	5073421.40	251		21.5
EF Lewis River	03130506	above Green Fork	EF Lewis	566063.54	5073957.14	538		18.1
EF Lewis River		below Green Fork	EF Lewis	565126.00	5074492.88	485	2002	16.4
EF Lewis River	03130505	below Little Creek	EF Lewis	562849.11	5074492.88	446	2000	17.9
EF Lewis River	03130502	below McKinley Creek	EF Lewis	561241.90	5075162.55	410	1998	18.8
EF Lewis River	03130502	above Slide Creek	EF Lewis	561241.90	5075162.55	410		17.1
EF Lewis River		below Slide Creek	EF Lewis	560170.42	5074760.75	355		18.1
EF Lewis River		below Sunset Falls campground	EF Lewis	554946.98	5073421.40	249		19.7
Green Fork	03130503	trib to EF Lewis River	EF Lewis	566331.41	5075430.42	564	1998	16.7
Slide Creek		.25 mi above EF Lewis	EF Lewis	560036.49	5075698.29	392		16.2
Clearwater Creek	03070707	Middle Bridge	Muddy River	575786.16	5124379.33	721		18.8
Clearwater Creek, Lower	14216300		Muddy River	575872.92	5119173.29	576	1998	21.2
Muddy River	03070509	above Clear Creek (baseline)	Muddy River	576569.84	5107383.01	381	2003	21.0
Muddy River		below Clear Creek	Muddy River	576478.53	5106196.01	367	2003	21.8
Smith Creek	14216200	trib to Muddy River	Muddy River	572894.20	5115075.04	517	1998	20.6
Alec Creek		nr Lewis River confluence	Upper Lewis	588479.42		535		15.1
Big Creek		Big Creek gaging station	Upper Lewis	588059.45	5104900.56	987		15.5
Big Creek Tributary		above Skookum Meadows	Upper Lewis	587723.48	5106244.44	1061		14.1
Big Spring Creek	03060506	trib to Lewis River	Upper Lewis	605361.98	5120187.25	1008		9.0
Lewis River	03060515	below Alec Creek	Upper Lewis	588296.67	5113467.83	514	1998	16.8
Lewis River	03060511	above Big Creek	Upper Lewis	583691.82	5106378.63		2003	18.5
Lewis River		above Curly Creek (baseline)	Upper Lewis	580130.83	5101265.41		2003	17.3
Lewis River		below Crab Creek	Upper Lewis	585244.05	5110396.16	444		16.6
Lewis River	03060513	below Cussed Hollow Creek	Upper Lewis	584787.51	5110122.24	429	2003	18.9
Lewis River	03060512	above Quartz Creek	Upper Lewis	589718.12	5114413.69	539	2001	15.7

Patch delineation – Temperature



Patch delineation – Temperature





570 m

1230 m

Patch delineation – GIS

1230 m

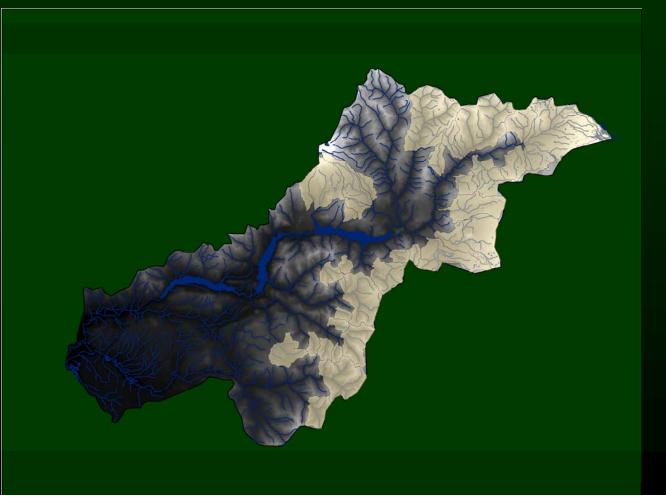


Patch delineation – GIS

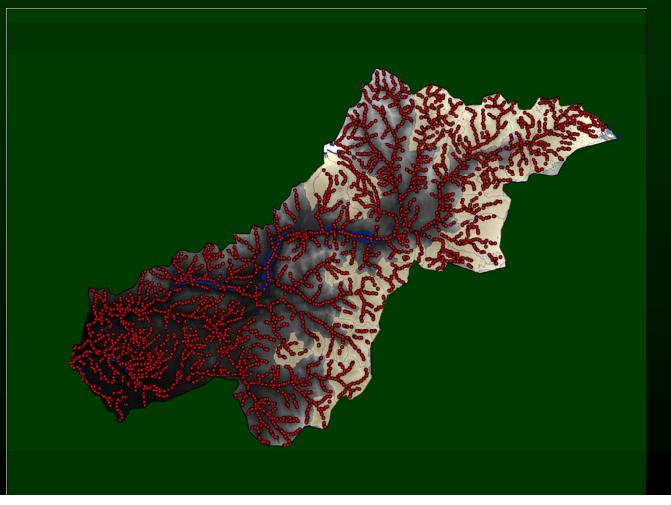


- Generalized Random-Tessellation Stratified (GRTS) design
 - Developed by EPA Environmental Monitoring and Assessment Program (EMAP)
 - GIS approach that lends itself to relatively broad applications
 - e.g., evaluate status of salmonid stocks in Oregon
 - Random and spatially balanced design
 - Allows one to make a statistical inference about the status and trend of stream attributes (e.g., presence/absence of bull trout) within a predefined stream network (e.g., a patch)

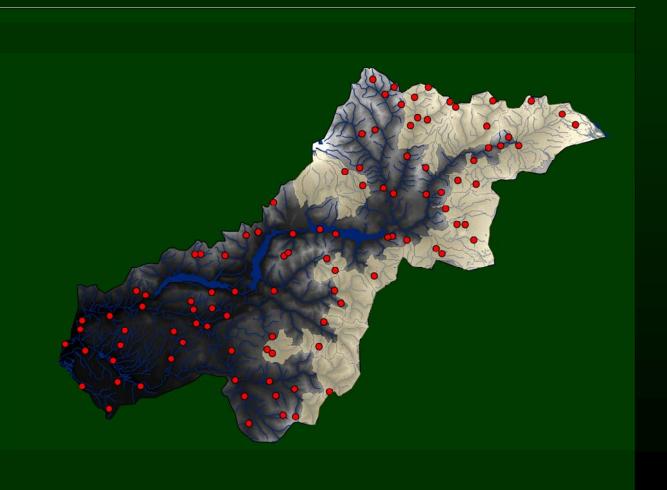
• One sample site per 500 m (4,056)



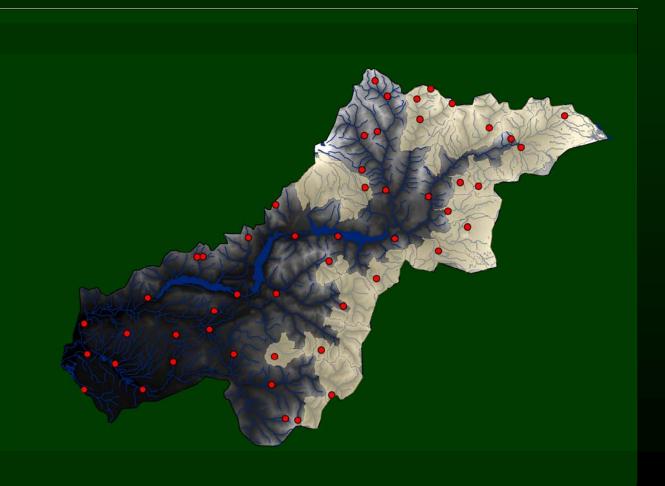
• One sample site per 500 m (4,056)



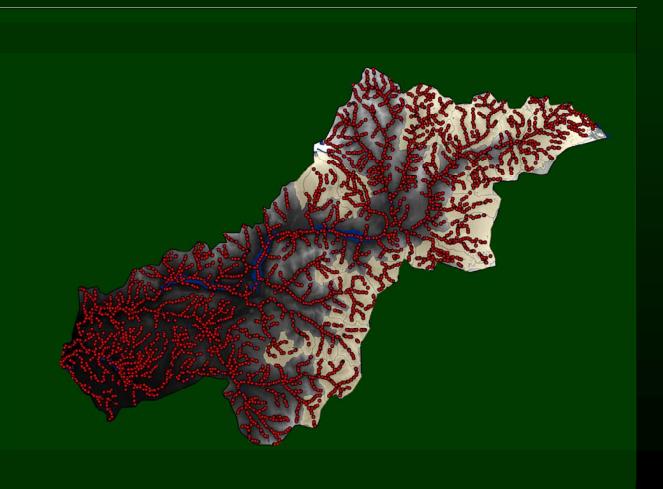
• 100 sites

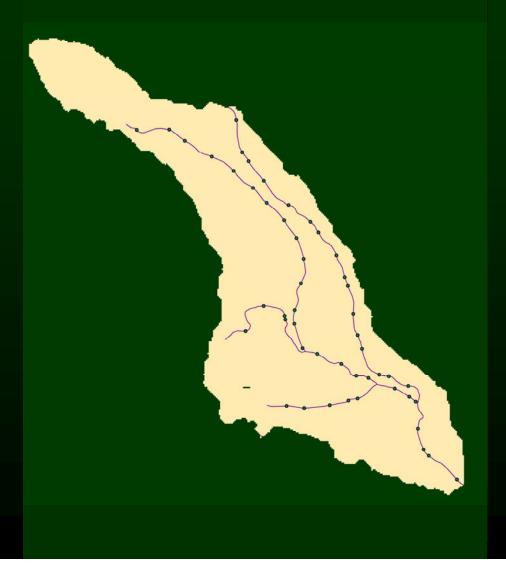


• 50 sites



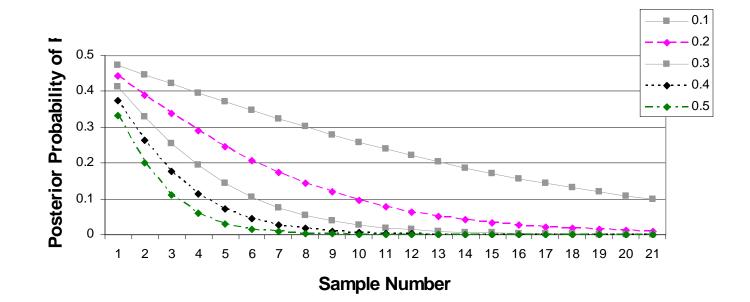
• 4,056 sites

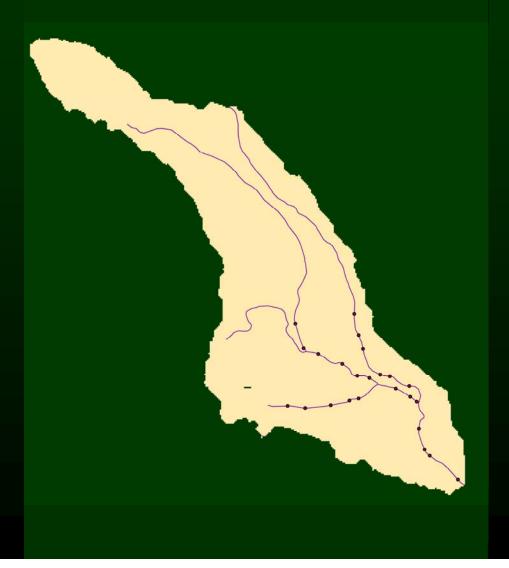


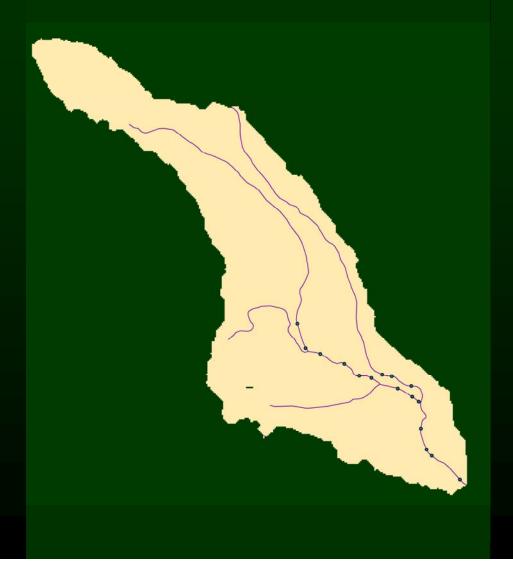


Sample design – Probability of detection?

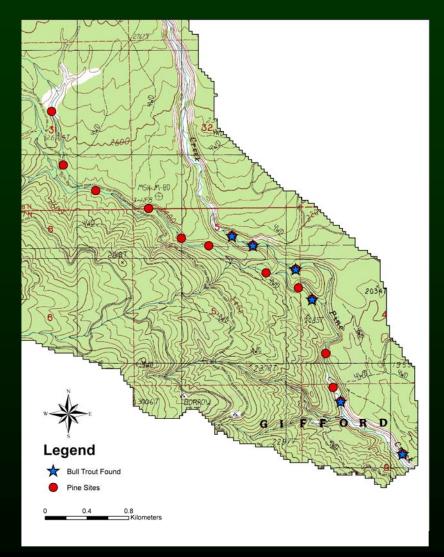
EFISH Estimating the probability of presence if no fish are detected during sampling prior P of presence = 0.50





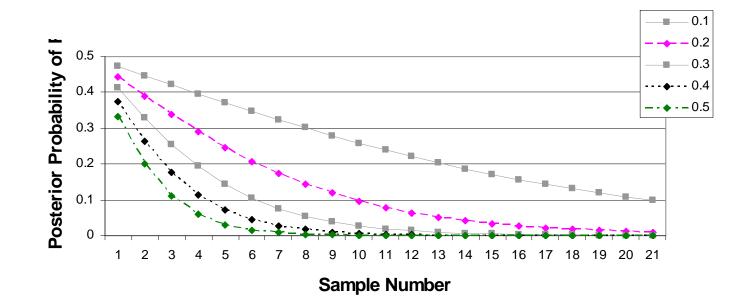


- Bull trout captured in 6 of 16 sites
- Probability of detection = 6/16 = 37.5%



Sample design – Probability of detection

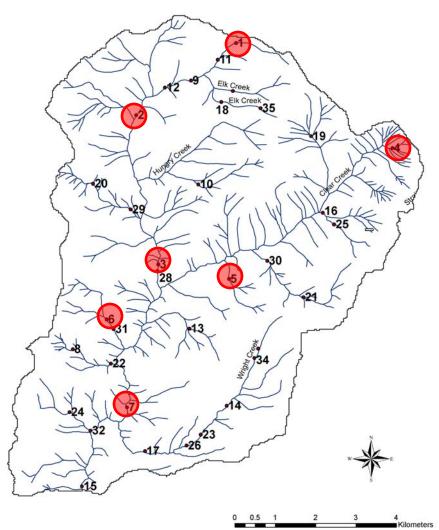
EFISH Estimating the probability of presence if no fish are detected during sampling prior P of presence = 0.50





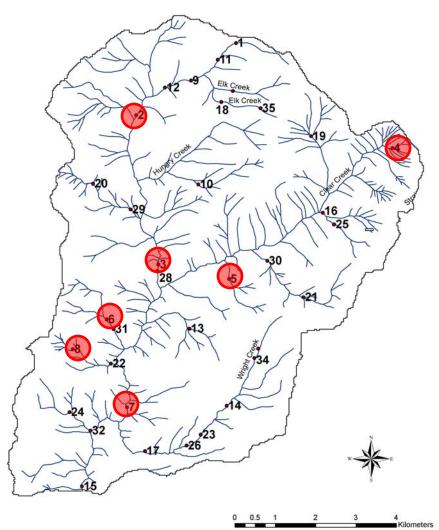
Clear1 Patch

- Top 35 of 142 sample sites
- Sample the top 7 to determine among patch distribution (i.e., occupancy)
- Once multiple size classes (> 30 mm difference) are detected, patch determined occupied
- If bull trout not detected, 80% confident that the patch is not occupied



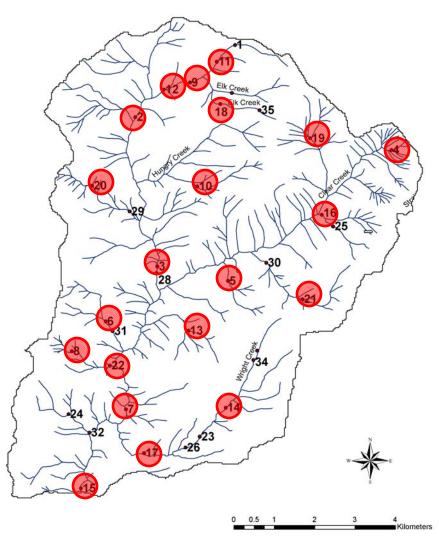
Clear1 Patch

- Top 35 of 142 sample sites
- Sample the top 7 to determine among patch distribution (i.e., occupancy)
- Once multiple size classes (> 30 mm difference) are detected, patch determined occupied
- If bull trout not detected, 80% confident that the patch is not occupied



 Determine bull trout distribution within occupied patches

- Expand initial 7 sample sites to the top 21
- These become your standardized sites for monitoring changes in distribution



Clear1 Patch

Sample approach

Biological

- Electrofish 50 m reach bounding sample site (no block nets)
- Capture and ID all fish
- Physical
 - Gradient
 - Channel dimensions
 - Woody debris
 - Undercut banks



Results



Results



Results



Review and modification

- Local knowledge can be incorporated
 - i.e., barriers, known distribution, known spawning areas, life history types present
- Lewis River subbasin
 - Barriers
 - Reservoirs
 - Adfluvial life history strategy



Review and modification



Advantages of patch concept

- Provides a template for sampling with minimal resources
- Provides a template for assessing current state of distribution among patches within a core area and monitoring changes
- Provides a template for assessing current state of distribution within a patch and monitoring changes
- Provides a statistically sound and rigorous evaluation approach – "scientifically defensible"
- May provide an approach to monitoring trends in abundance

Review of Aquatic Fund - Strategic Plan and Administrative Procedures

Discussion Point and Questions	Fish First	LCFRB	Yakama Nation	USFS	Cowlitz Indian Tribe	USFWS	Utilities	NMFS	WDFW	Decision
Clarify East Fork Lewis language in the Settlement Agreement Q1		It is clear that there is a strong priority given		Projects should be funded in the East Fork Lewis River with	East Fork projects are to be	East Fork projects should be	The SA specifically states that the	According to the Settlement	Agrees with the NMFS that if	East Fork projects may b
Should projects in the EF be funded? Q2 - Should EF projects be	U	to the North Fork system for project	opposed to funding projects on	priority given to projects on the North Fork Lewis River. Projects		considered for funding (but are a	Aquatic Fund should support	Agreement priority is given to the	the FERC is going to approve	funded, but priority of
unded after funding of NF projects?	projects only which violates	implementation. We agree with this	the East Fork. Fish can not be	proposed for the East Fork Lewis should have a clear nexus to	basis. The Tribe does not believe	lower priority), and only if a	resource protection measures that,	North Fork; however, this does not	these project the ACC will need	1 0 0
S er re	certain parts of the	guidance, and feel that investment should		benefits to North Fork Lewis populations. Projects downstream o	f any 'clarification' is needed. A	clear link can be established (in	"increase the probability for a	preclude funding projects in the	to provide a very clear	North Fork as identified
	Settlement Agreement. The	be made in the East Fork only if there are	want. Changing the variable	Merwin Dam should also be funded with priority given first to	project proponent introduces a	the body of the proposal) that the	1 0	East Fork. The ACC must provide	connection to the North Fork	in the Settlement
	emphasis should be on the	no opportunities in the North Fork,	upsets the balance of the fish	projects above the reservoirs.	project, the ACC discusses it and a decision will be made. The project		(SA 7.5) The SA goes on to state	clear connection of the East Fork	reintroduction effort.	Agreement.
	relative aquatic benefits of	including future opportunities. Any project	should be included in the		1 5	1 1	1 1	projects to the reintroduction efforts.		
	the project and not the location. If all things are	proposed for the East Fork Lewis should make clear, direct connections to benefits to			should have a clear connection to the benefits to the North Fork	clear that there has to be a nexus to project operations or to	North Fork Lewis refers to the portion of the Lewis River from its	enons.		
	•		cut the arm (the tributaries) off		Lewis.	1 0 1	confluence with the Columbia River			
	equal in benefit, priority means you select a North	North Fork Lewis populations. We recognize the importance of the East Fork	which is why the East Fork is		Lewis.	enhance populations affected by the project.	upstream to the headwaters,			
	Fork project first. If the	Lewis for salmon recovery efforts, but the	important to the reintroduction			the project.	including tributaries except the East			
	benefits are greater on an	purpose of the Aquatics Fund should	process. Different streams				Fork of the Lewis River (SA			
	East Fork project, that	remain focused on the North Fork Lewis	change with time. Placing a				7.5.3.1). However, the section			
	project should be selected.	system.	priority on the basin does not				above this says that one of the			
pre	FJ	-,	consider how the salmon				objectives is to "enhance fish			
			(different species) are related and				habitat in the Lewis River Basin,			
			what they need to do. The North				with priority given to the North			
			Fork and the East Fork are equal				Fork Lewis River"(SA 7.5.3.1(3)).			
			in importance.				Since East Fork is really the only			
			F				part of the North Fork Lewis River			
							that is not included in the above			
							definition, that is what 7.5.3.1(3) is			
							referring to. All this really says is			
							that we can fund East Fork projects			
							but they fall behind any other			
							proposed project that fits the Nort			
							Fork definition.			
Project effects/nexus definition Q1 - What are the hydroproject				Priority should be given to instream habitat restoration projects,			Priority should be given to instream			
effects that AQ Funded projects should address? Q2 - Should any				next to riparian related projects, and then to road related projects.			projects that will provide a "home"			
priority be given to certain project types?							for reintroduced salmon and			
							steelhead.			
Role of Project owner Q1 - What is the appropriate level of	The ACC is too small to	In Section 3.2, under the Process		The project proponents are most knowledgeable about the project	The Tribe agrees with Fish First.	Agree with position of the	An ACC entity proposing a project	Do not give ACC members more of	7	No questions should be
engagement in the funding process for an ACC entity that is also a	exclude any members from	Considerations, it states that ACC		and should be allowed to participate in discussions about the	The ACC is too small to exclude	LCFRB. Have the project	may participate in ACC discussions	an advantage or opportunity than		asked of Project
project proponent?	discussion (whether a	representatives may not champion their own		proposed project as needed. Proponents should not champion	members from discussion and/or	manager leave the discussion if	on their project, but cannot	non ACC members. A project		proponent at the Funding
- a A	proponent or not).	projects. We agree with this guidance and		their project, just provide clear concise information as needed.	voting. ACC members are	different from the ACC	champion their project nor	owner should step out when		Selection meeting. If
	Consensus takes care of any	feel that this guidance should be more			educated, intelligent individuals		participate in the consensus	decision is being made or show		requested by any ACC
	advocating of projects.	closely followed. While a member of the			with a good working knowledge of		selection of their project. If	that there is a clear division		representative, a project
	Agree with position of	sponsoring organization can participate in			the watershed. They also have	decision meeting.	requested, they must excuse	between ACC representative and		proponent/entity must
	Cowlitz Indian Tribe.	discussions to provide information, the			professional integrity. The Tribe is			project proponent.		remove themselves from
		ACC voting member should not advocate			not concerned with any member's		at the appropriate time.			the meeting during
		for their organization's project. It is the			participation, regardless if their					discussion on their
		responsibility of the facilitator to determine			agency is a project proponent.					project. Process should
		when this line is being crossed.			Participation of all ACC members					strive to give equal
					is critical if we are to make the					consideration to all
					best decisions for the Lewis River					projects.
					Watershed. Let the projects speak for themselves.					
Post-implementation monitoring Q1 - What "value" should be				A higher value of some sort should be given to projects that		Monitoring above and beyond				
given to those projects that include monitoring to assess the				include monitoring.		what is already required may be				
success of the project?						appropriate in a more	Projects that include monitoring at			
							the appropriate funding level should			
						"experimental" project, i.e.,				
						where the ACC is interested in	get a higher rating. ACC should			
							have the right to eliminate funding			
						where the ACC is interested in	have the right to eliminate funding of monitoring as needed. Project			
						where the ACC is interested in seeing it go forward, but on a	have the right to eliminate funding of monitoring as needed. Project owners must continue to			
						where the ACC is interested in seeing it go forward, but on a	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was			
						where the ACC is interested in seeing it go forward, but on a	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was built according to project plan and			
						where the ACC is interested in seeing it go forward, but on a	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was built according to project plan and is functioning as expected (e.g.			
AQ Fund Spending Q1 - Should we stop funding projects until				If we wait until fish are reintroduced to do any work, we may be		where the ACC is interested in seeing it go forward, but on a pilot or trial basis.	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was built according to project plan and			
				If we wait until fish are reintroduced to do any work, we may be vears behind habitat needs of reintroduced fish, and create an		where the ACC is interested in seeing it go forward, but on a pilot or trial basis. We should continue funding	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was built according to project plan and is functioning as expected (e.g.			
				years behind habitat needs of reintroduced fish, and create an		where the ACC is interested in seeing it go forward, but on a pilot or trial basis. We should continue funding projects now, and not wait until	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was built according to project plan and is functioning as expected (e.g.			
				years behind habitat needs of reintroduced fish, and create an unsuccessful reintroduction effort. Some of the money, perhaps		where the ACC is interested in seeing it go forward, but on a pilot or trial basis. We should continue funding	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was built according to project plan and is functioning as expected (e.g.			
				years behind habitat needs of reintroduced fish, and create an unsuccessful reintroduction effort. Some of the money, perhaps half, should be saved until fish are actually reintroduced. NOAA		where the ACC is interested in seeing it go forward, but on a pilot or trial basis. We should continue funding projects now, and not wait until	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was built according to project plan and is functioning as expected (e.g. photos before and after the project).			
AQ Fund Spending Q1 - Should we stop funding projects until fish are reintroduced?				years behind habitat needs of reintroduced fish, and create an unsuccessful reintroduction effort. Some of the money, perhaps half, should be saved until fish are actually reintroduced. NOAA and USFWS need to play a major role in monitoring reintroduced		where the ACC is interested in seeing it go forward, but on a pilot or trial basis. We should continue funding projects now, and not wait until	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was built according to project plan and is functioning as expected (e.g. photos before and after the project). No, projects that will directly			
				years behind habitat needs of reintroduced fish, and create an unsuccessful reintroduction effort. Some of the money, perhaps half, should be saved until fish are actually reintroduced. NOAA		where the ACC is interested in seeing it go forward, but on a pilot or trial basis. We should continue funding projects now, and not wait until	have the right to eliminate funding of monitoring as needed. Project owners must continue to demonstrate that the project was built according to project plan and is functioning as expected (e.g. photos before and after the project). No, projects that will directly enhance the habitat of reintroduced			
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Review of Aquatic Fund - Strategic Plan and Administrative Procedures

		1/17/1		**(17)***(4)	**-111-1		5.11
Discussion Point Fish I Ranking of Projects Q1 - Should prioritization of projects be	First LCFRB Yakama Nation Section 3.1 Aquatics Fund Goals – states in	USFS When projects are rated using established guidelines they should	Cowlitz Indian Tribe	USFWS	Utilities If a request of information is made	NMFS	Decision
considered? Q1 - Is additional focus needed on the individual	Section 3.1 Aquatics Fund Goals – states in the first paragraph, final sentence, "The		a good use of time for the Utilities		to a project proponent, that same		
project long-term benefits?	purpose of the Aquatic Fund is to fund	the project proposal for all projects.	to prioritize projects based on	benefits that restore ecological	request goes to all applicants.		
project long-term benefits:	projects that directly help achieve the	the project proposal for an projects.	scores. The current method of	function (e.g., log jams or	Discussion of projects by the ACC		
	Reintroduction Outcome Goal." Can you		reviewing projects, which includes		should be limited to the information		
	clarify if this is an overarching goal of the		a 'Selected by Utilities for Full-	one time action, (e.g., adding	on hand, unless all project		
	Aquatic Fund, or if this is one of several		Proposal' category in the pre-	spawning gravel that would wash			
	goals, including those listed in section 1.0		proposal evaluation and the 'Total				
	Introduction in the language from the SA		Score' category in the final	unuy).			
	describing Resource Projects?		proposal matrix, is adequate.				
			1 · 1 · · · · · · · · · · · · · · · · ·				
Funding process Q1 - How can the process become more efficient	We recommend strengthening the proposal	Time should be set aside for each project proponent to present	In the past, the ACC has made	From the language of the license			
to meet schedule?	instructions to encourage sponsors to better	their projects to the ACC group at an ACC meeting. This could	decisions in a timely fashion. A	it sounds like FERC wants to	prioritized based on evaluation		
	describe how their projects relate to the Aquatics Fund objectives and recovery	be at the draft proposal stage, but it may make more sense to do it when the final proposal is submitted.	when an objection was received	approve the suite of projects prior to funds being released. If	score		
	plans. Sponsors should be asked to clearly	when the man proposal is sublinitied.	after the ACC made a funding	so, it really throws our schedule			
	describe biological benefits and expected	It appears that the ACC group expects to see projects begin a short					
	outcomes of their projects. Sponsors	time after final project approval. A shorter review time of projects		discuss, clarify, and decide how			
	should include metrics to help the reviewers	would speed up the funding process and may allow this to occur	timeline should be adequate to	best to respond.			
	quantify the scope of their project and relate	under certain circumstances. However, the amount of time it	address this problem. The Tribe	· · · · · · · · · · · · · · · · · · ·			
	it to their proposed cost. A more detailed	takes for final project approval, collection agreements to be	does not want to see the ACC				
	budget form should be provided in the	executed, and to get projects on the docket to be evaluated by our	Aquatics Fund process become a				
	proposal.	NEPA planning team, a start date of the following calendar year is					
	*	more realistic.	nightmare for our project				
			proponents. Most other funding				
		Representatives need to attend ACC meetings to participate and	sources in the region are not				
		discuss potential projects. Representatives should not be allowed	viewed as user friendly by				
		to object to projects without participating in the selection process.	applicants. The ACC spends a				
		Rearrange the time line so that the final vote for project approval	meeting or two a year discussing				
		is the final vote. The 7 day comment period should be prior to the		t			
		final vote, and Representatives can provide feedback during this 7					
		period if they are not able to attend the final vote. Either the Repre					
		should vote for final project approval. If a Representative is not av					
		Project proponents should be allow to stay in the room when proje					
			Aquatics Fund proponents will not	t			
			streamline the ACC decision				
			making process.				
Funding Decision Meeting Q1 - Should it be a requirement that	ACC members should attend or				s See USFS suggestions. They are	Giving a proponent more time to	
ACC members should attend or an alternate should be in	an alternate should be in	and it wastes project proponent's time.		or their representative should	good and we should discuss these	argue their own projects is a	
attendance at the meeting or they lose their voting opportunity?	attendance. since we (the ACC)		the Tribe agrees with Fish First.	attend when a decision needs to	as a group although there is no real	concern for her; to remove	
	operate on a consensus basis it		The ACC is too small to exclude	be made, or assign a proxy who			
	doesn't mean a project will be		members from discussion and/or	can represent their needs at that	especially given that FERC now	and bias a project proponent should	
	approved. He further stated that		voting. Our ACC members are		says they need to approve each	not champion their proposed	
	our group is too small to exclude		educated, intelligent individuals	are most knowledgeable about	project.	project.	
	any members from discussion		with a good working knowledge o	the project and should be			
	(whether a proponent or not).		the watershed. They also have				
			professional integrity. The Tribe is	discussions about the proposed			
			not concerned with any member's	r-J			
			participation, regardless if their	should not champion their project; just provide clear			
			agency is a project proponent.	concise information as needed.			
			Participation of all ACC members				
			is critical if we are to make the				
			best decisions for the Lewis River	-			
			Watershed.				
FERC Comment in License - 6/26/08					Yes		
Section 7.5.3.1 of the Agreement proposes the establishment of an							
Aquatic Fund. The Agreement explains that this fund may be							
used for projects that would benefit fish recovery throughout the							
North Fork Lewis River. In contrast to the In-lieu Fund, the							
Agreement notes some specific aquatic habitat enhancement							
objectives that would be implemented with the funds, but							
provides no nexus to project purposes. The EIS emphasized,							
however, that the fund should be used only for measures that							
provide a demonstrated benefit to resources affected by project							
facilities and operation and that the strategic plan and annual							
report describing proposed resource measures be filed with the							
Commission for approval so that our approval can be made on a							
suite of measures. I concur and require that the annual report be							
filed for our approval in each of the Lewis River Project licenses.							