

FINAL Meeting Notes
Lewis River License Implementation
Aquatic Coordination Committee (ACC) Meeting
Aquatic Fund Subgroup
May 16, 2016
Merwin Hydro Control Center
Ariel, WA

ACC Participants Present (8)

Frank Shrier, PacifiCorp
 Kim McCune, PacifiCorp
 Ruth Tracy, USDA Forest Service
 Bryce Michaelis, USDA Forest Service
 Peggy Miller, WDFW
 Michelle Day, NMFS
 Shannon Wills, Cowlitz Indian Tribe
 Steve Manlow, LCFRB

Calendar:

June 22, 2016	Aquatic Fund Sub-Group Meeting	HCC
---------------	--------------------------------	-----

Assignments from January 7, 2016	Status
All: Review Cramer Fish Sciences (Roni) limiting factors and restoration opportunities study to better understand where the priority list came from: http://www.pacificorp.com/content/dam/pacificorp/doc/Energy_Sources/Hydro/Hydro_Licensing/Lewis_River/li/acc/CramerFish_April%202016.pdf	Complete 6/22/16

Assignments from January 7, 2016	Status
All Participants to review the Synthesis Matrix under suggested format from Ruth Tracy.	Complete – 5/16/16
All Participants to review the Synthesis Matrix and get familiar with the filtering and sorting.	Complete – 5/16/16
Shrier: Add a column in the Synthesis Matrix for restoration value.	Complete – 1/8/16
Shrier: Email revised Synthesis Matrix to the ACC Aquatic Fund Subgroup	Complete – 1/8/16
Manlow: Report back to Subgroup if the Consumer Reports (see Attachment B) can be placed on the LCFRB website so aquatic fund project proposers can access the information.	Complete – 1/8/16 – sent actual reports
Manlow: Define reach potential heading in accordance with LCFRB.	Complete

Opening, Review of Meeting Notes

Frank Shrier (PacifiCorp) called the meeting to order at 11:05 a.m. and reviewed the January 7, 2016 meeting notes and assignments. The meeting notes were approved without change at 11:25am.

Meeting Purpose

With completion and presentation of the In Lieu funding analysis and a re-run of the EDT model Frank Shrier (PacifiCorp) created a new Synthesis Matrix spreadsheet (**Attachment A**) that incorporates the latest knowledge about reach potential. Through the EDT modeling and through an independent analysis of restoration potential by Cramer Fish Sciences, a list of reaches was identified that have the highest restoration potential, which is the source of the new Synthesis matrix tab. Shrier colored the tab red so that the Subgroup participants could easily find it and left it attached to the original Synthesis for the simple reason that, this is a short list that the subgroup can focus its efforts. However, once those projects are completed, the ACC can draw from the remaining reaches from the original matrix if there is still funding available.

Intended outcomes:

- The Aquatic Fund Subgroup is to take a look at the new list and develop their thoughts. The Subgroup is to go over the list provided and fill in the Synthesis Group Restoration Potential column to help further prioritize this list for funding potential.
- Determine what resources are to be made available to the project proposing public, i.e., Synthesis matrix, LCFRB Interactive Map, Consumer Reports.
- Insure uniformity between resources so as not to confuse the project proposing public.
- Update and modify the Aquatics Fund – Strategic Plan and Administrative Procedures, Announcement Letter and associated appendices no later than August 2016.

Decisions made at meeting:

- ACC Aquatic Fund Subgroup does not want to limit themselves to only top 25 preferred areas as stated in the January 7, 2016 meeting notes. A larger number than 25 preferred areas with the highest restoration potential may be selected and, in fact, there are more than 25 projects listed in the revised matrix.

Kim McCune (PacifiCorp) reminded the Subgroup to be cognizant when making aquatic fund determinations, targeted species, etc. to not deviate from the intent of the Lewis River Settlement Agreement requirements as indicated below:

7.5.3.1 Guidance for Resource Project Approval and Aquatics Fund Expenditures.

c. The Licensees shall evaluate Resource Projects using the following objectives:

(1) benefit fish recovery throughout the North Fork Lewis River, with priority to federal ESA-listed species;

(2) support the reintroduction of anadromous fish throughout the Basin; and

(3) *enhance fish habitat in the Lewis River Basin, with priority given to the North Fork Lewis River.*

McCune further noted that once the initial list of proposed habitat enhancement projects have been selected by the ACC to move forward to the full proposal phase, PacifiCorp's risk assessment department will then evaluate each project to determine the needed insurance limits. This timing will allow the project proposers to provide a more comprehensive budget when their final project proposal is submitted to the ACC for its review and evaluation.

McCune also mentioned that a landowner acknowledgement form will be included with the initial funding announcement letter so the ACC will know early in the funding review process that the project proposer has obtained the access permission needed from all owners of land.

Next steps - Shrier will modify the updated EDT Synthesis Matrix to include:

- Current EDT and Cramer FS potential project reaches
- Add back in the synthesis group reach potential
- Change species present in reach to a single column
- Add original recovery plan ratings
- Synthesis subgroup rating, LCFRB and EDT columns all together

< Meeting adjourned at 1:30 p.m. >

Agenda items for June 22, 2016

- Review May 16, 2016 Meeting Notes
- Review revised synthesis matrix
- Review Aquatics Fund Administrative Procedures, time permitting

Meeting Handouts & Attachments:

- January 7, 2016 Meeting Notes
- Updated EDT Synthesis Matrix

<u>Reach Name</u>	<u>Location</u>	<u>6th Field HUC</u>	<u>Hydrologic Regime</u>	<u>Length of habitat (miles)¹</u>	<u>Steelhead Life History Use</u>	<u>Other Species Present in relation to Steelhead</u>	<u>Steelhead Synthesis Group Restoration Potential²</u>	<u>WSTHD Reach Potential (Recovery Plan)</u>	<u>Coho Life History Use</u>	<u>Other Species Present in relation to Coho</u>	<u>Coho Synthesis Group Restoration Potential²</u>	<u>Coho Reach Potential (Recovery Plan)</u>	<u>SPCH Chinook Life History Use</u>	<u>Other Species Present in relation to Chinook</u>	<u>Chinook Synthesis Group Restoration Potential²</u>	<u>SPCH Reach Potential (Recovery Plan)</u>	<u>LCFRB Restoration Potential (%)</u>
Cedar Creek 1 B	LB Trib 1 to Grist Mill		Rain	0.9	Spawning, rearing, migration	Coho, Chum, Fall Chinook		High	Spawning, rearing, migration	WSTHD, Chum, Fall Chinook		Low		WSTHD, Chum, Coho		NA	59
Cedar Creek 1 C	Grist Mill to Pup Creek		Rain	1.9	Spawning, rearing, migration	Coho, Chum, Fall Chinook		High	Spawning, rearing, migration	WSTHD, Chum, Fall Chinook		Medium		WSTHD, Chum, Coho		NA	64
Cedar Creek 2 C	Beaver Cr. to RB Trib 1		Rain	0.7	Spawning, rearing, migration	Coho, Chum, Fall Chinook		Medium	Spawning, rearing, migration	WSTHD, Chum, Fall Chinook		Medium		WSTHD, Chum, Coho		NA	75
Cedar Creek 5	Bitter Cr to Chelatchie Cr		Rain	0.6	Spawning, rearing, migration	Coho, Chum, Fall Chinook		High	Spawning, rearing, migration	WSTHD, Chum, Fall Chinook		Medium		WSTHD, Chum, Coho		NA	63
Cedar Creek 6 B	LB Trib 3 to RB Trib 2		Rain	1.7	Spawning, rearing, migration	Coho, Chum, Fall Chinook		Medium	Spawning, rearing, migration	WSTHD, Chum, Fall Chinook		Low		WSTHD, Chum, Coho		NA	74
Cedar Creek 6 C	RB trib 2 to RB Trib 3		Rain	0.72	Spawning, rearing, migration	Coho, Chum, Fall Chinook		Low	Spawning, rearing, migration	WSTHD, Chum, Fall Chinook		Low		WSTHD, Chum, Coho		NA	
Clearwater Creek	Mouth to RM 8.7	170800020202 Clearwater Creek	Rain, Glacier	8.7	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		Medium	Spawning, rearing, migration	WSTHD, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers		Medium	57
Clearwater Tribs.	Small Tribs to Clearwater Creek	170800020201 Smith Creek	Rain, Glacier	0.8	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		Low	Spawning, rearing, migration	WSTHD, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		Medium		Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers		NA	49
Cougar Creek2																	
Crab Creek	Mouth to 0.4	170800020109 Cussed Hollow Creek	Rain, Glacier, Spring	0.4	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	Spawning, rearing, migration	WSTHD, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		Medium	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		NA	42
Dog Creek	Head of Yale Lake to R.M. 2.0	170800020405 Upper Yale Reservoir	Rain, Spring	2	Spawning, rearing, migration	Cutthroat		Low	Spawning, Rearing, Migration	Cutthroat		Low		Cutthroat		NA	10

Cougar Creek (incorrectly labeled as Panamaker Cr. on the LCFRB map)	Trib to Yale Lake	170800020405 Upper Yale Reservoir	Rain, Glacier, Spring	2.1	Spawning, rearing, migration	Bull trout, Cutthroat, Rainbow, Kokanee, Mt. Whitefish, Brook trout, Suckers, coho		Low	Spawning, Rearing, Migration	Bull trout, Cutthroat, Rainbow, Kokanee, Mt. Whitefish, Brook trout, Suckers, Steelhead		Medium	Spawning, rearing, migration	Bull trout, Cutthroat, Rainbow, Kokanee, Mt. Whitefish, Brook trout, Suckers, Coho, Steelhead		NA	37
John Creek 1	Mouth to Top of '04 reach		Rain.snow	1.1	Spawning, rearing, migration	Coho, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, Fall Chinook, cutthroat		Low	NA	NA		NA	41
Lewis 1 Tidal A	Mouth to Allen Creek		Rain.snow	1.9	Migration	Coho, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, Fall Chinook, cutthroat		Low	NA	NA		NA	61
Lewis 2 Tidal B	:B Trib 1 to LB Trib 2		Rain.snow	1.5	Migration	Coho, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, coho, cutthroat		Low	36
Lewis 2 Tidal D	LB Trib 3 to Robinson Cr		Rain.snow	0.9	Migration	Coho, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, coho, cutthroat		Medium	32
Lewis 3	Robinson Cr to Ross Cr		Rain.snow	1	Migration	Coho, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, Fall Chinook, cutthroat		High	Spawning, Rearing, Migration	Steelhead, Chum, coho, cutthroat		High	53
Lewis 4 A	Ross Cr to Hayes Cr		Rain.snow	2.2	Migration	Coho, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, Fall Chinook, cutthroat		High	Spawning, Rearing, Migration	Steelhead, Chum, coho, cutthroat		Medium	36
Lewis 4 C	Staples Cr to Houghton Cr		Rain.snow	0.46	Migration	Coho, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, Fall Chinook, cutthroat		High	Spawning, Rearing, Migration	Steelhead, Chum, coho, cutthroat		High	42
Lewis 12	Swift Bypass Reach from Yale Lake to Swift dam	170800020405 Upper Yale Reservoir	Rain	3.3	Spawning, rearing, migration	Cutthroat, Rainbow, Kokanee		Low	Spawning, Rearing, Migration	Cutthroat, Rainbow, Kokanee		Low	Spawning, rearing, migration	Cutthroat, Rainbow, Kokanee		Low	Not rated
Lewis 18	Head of Swift Reservoir to Pine Creek	170800020303 Upper Swift Reservoir	Rain, Glacier, Spring	0.7	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	52
Lewis 21	Rush Creek to Little Creek	170800020113 Little Creek	Spring, Rain	1	Spawning, rearing, migration	Bull trout, Cutthroat, Coho		High	Spawning, rearing, migration	Bull trout, Cutthroat, Coho		High		Bull trout, Cutthroat, Coho		High	45

Lewis 19	Pine Creek to Muddy River	170800020301 Pine Creek	Spring, Glacier	0.5	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	35	
Little Creek	Mouth to RM 1.0	170800020113 Little Creek	Rain, Glacier, Spring	1	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring chinook		Low	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring chinook		Low	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring chinook		Low	51
Muddy R3	Smith Creek to RM 13.8	170800020204 Clear Creek	Rain, Glacier	3.5	Spawning, rearing, migration	unknown		Low	Spawning, rearing, migration	unknown		Low	Spawning, rearing, migration	unknown		Low	43
NF Siouxon	Mouth to RM 2.1	170800020403 North Siouxon Creek	Rain	2.1	Spawning, Rearing, Migration	Cutthroat, Rainbow		Low	Spawning, Rearing, Migration	Cutthroat, Rainbow		Low		Cutthroat, Rainbow		Low	39
Muddy R1	Mouth to Clear Creek	170800020205 Muddy River	Rain, Glacier	4.4	Spawning, rearing, migration	Rainbow, Cutthroat, Coho		Medium	Spawning, rearing, migration	Rainbow, Cutthroat, Coho		Medium	Spawning, rearing, migration	Rainbow, Cutthroat, Coho		Medium	55
Muddy R1A	Clear Creek to Clearwater Creek	170800020205 Muddy River	Rain, Glacier	4.4	Spawning, rearing, migration	Coho, Cutthroat, Rainbow, Mt. Whitefish		Medium	Spawning, rearing, migration	Coho, Cutthroat, Rainbow, Mt. Whitefish		Medium	Spawning, rearing, migration	Coho, Cutthroat, Rainbow, Mt. Whitefish		Medium	54
Rain Creek	Head of Yale Lake to RM 0.89	170800020405 Upper Yale Reservoir	Ephemeral	0.89	Spawning, rearing, migration	Cutthroat, Rainbow		Low	Spawning, rearing, migration	Cutthroat, Rainbow		Low	Spawning, rearing, migration	Cutthroat, Rainbow		Low	36
Ross Cr 1 E	Bearwaller Falls to end of '04 reach		Rain	0.85	Migration	Coho, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, Fall Chinook, cutthroat		Low	Spawning, Rearing, Migration	Steelhead, Chum, Coho, cutthroat		NA	67
Rush Creek	Mouth to RM 2.5	170800020113 Little Creek	Rain	2.5	Spawning, rearing, migration	Cutthroat		Medium	Spawning, rearing, migration	Cutthroat		Medium	Spawning, Rearing, Migration	Steelhead, Chum, Coho, cutthroat		Medium	31
Siouxon 1	Mouth to NF Siouxon	170800020403 North Siouxon Creek	Rain	1.2	Spawning, Rearing, Migration	Cutthroat, Rainbow		Low	Spawning, Rearing, Migration	Cutthroat, Rainbow		Low	Spawning, Rearing, Migration	Steelhead, Chum, Coho, cutthroat		Low	34
Siouxon2	??												Spawning, Rearing, Migration	Steelhead, Chum, Coho, cutthroat			
Siouxon 1 Template	Entire Siouxon drainage	170800020403 North Siouxon Creek	Rain	2.3	Spawning, Rearing, Migration	Cutthroat, Rainbow		Low	Spawning, Rearing, Migration	Cutthroat, Rainbow		Low	Spawning, Rearing, Migration	Steelhead, Chum, Coho, cutthroat		Low	50
Speelyai 2	Upstream of diversion dam	170800020603 Lake Merwin	Rain	2.8	Spawning, Rearing, Migration	Cutthroat, Rainbow		Low	Spawning, Rearing, Migration	Cutthroat, Rainbow		Low	Spawning, Rearing, Migration	Steelhead, Chum, Coho, cutthroat		Low	43
Speelyai Canal	Yale Lake to Diversion		Rain	0.5	Spawning, Rearing, Migration	Cutthroat, Rainbow			Spawning, Rearing, Migration	Cutthroat, Rainbow							

Swift Campground Creek	Reservoir to RM 0.3	170800020303 Upper Swift Reservoir	Rain, Glacier, Spring	0.3	Spawning, rearing, migration	Coho, Cutthroat		Low	Spawning, rearing, migration	Coho, Cutthroat		Low		Coho, Cutthroat		Low	50
Spencer Creek	Mouth to RM 0.4	170800020109 Cussed Hollow Creek	Rain, Glacier, Spring	0.4	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High		Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish, Suckers, Spring Chinook		High	25
Pine Creek 5	P8 to P10	170800020301 Pine Creek	Spring, Glacier	1	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish		High	Spawning, rearing, migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish		High	Migration	Coho, Rainbow, Cutthroat, Bull trout, Mt. Whitefish		High	44
Pine Creek 6	P10 to upper extent	170800020205 Muddy River	Rain, Glacier	2.75	Spawning, rearing, migration	Coho, Cutthroat, Rainbow		High	Spawning, rearing, migration	Coho, Cutthroat, Rainbow		High		Coho, Cutthroat, Rainbow		High	56

- 1- Taken directly from EDT, Coho criteria was used as the basis for habitat lengths thus, may not be applicable to all species.
- 2- Our rating as a group showing how important we feel habitat improvements would be to this stream or stream reach.
- 3- What we feel as a group are the current conditions based on a good, marginal, or poor rating. Good would signify our belief that this stream or stream reach has relatively good current habitat conditions.
- 4- Habitat attributes taken directly from EDT and other sources to be used as a basis and comparison tool.
- 5- Low Impact is EDT's way of saying that this reach for this species if made to have habitat improvements would still, after habitat improvements, only have a low impact to the health and status of that specific species.