

FINAL Meeting Notes
Lewis River License Implementation
Aquatic Coordination Committee (ACC) Meeting
September 10, 2009
Ariel, WA

ACC Participants Present (12)

Diana Gritten-MacDonald, Cowlitz PUD (teleconference)
Adam Haspiel, USDA Forest Service
David Hu, USDA Forest Service
Eric Kinne, WDFW
George Lee, Yakama Nation
Curt Leigh, WDFW (teleconference)
Erik Lesko, PacifiCorp Energy
Kimberly McCune, PacifiCorp Energy
Kathryn Miller, Trout Unlimited
Todd Olson, PacifiCorp Energy
Frank Shrier, PacifiCorp Energy
Shannon Wills, Cowlitz Indian Tribe (teleconference)

Calendar:

October 8, 2009	ACC Meeting	Merwin Hydro
November 12, 2009	ACC Meeting	Merwin Hydro

Assignments from September 10, 2009 Meeting:	Status:
McCune: Email a copy of the Hatchery & Supplementation reintroduction schedule to the ACC.	Complete – 9/11/09
Kinne: Provide comment on Swift 90% design submittal as soon as possible given formal comment period ended on August 10, 2009.	Pending

Assignments from August 13, 2009 Meeting:	Status:
Lesko: Provide Kathryn Miller (Trout Unlimited) a redline version of the H&S Plan which illustrates all changes made by the Subgroup.	Complete – 8/17/09

Assignments from April 9, 2009 Meeting:	Status:
ACC: Further investigate WDFW carcass survey methods established in 1978 and determine “next step” regarding modifications needed, if any, to the 1978 methods.	Pending as of 10/8/09

Opening, Review of Agenda and Meeting Notes

Frank Shrier (PacifiCorp Energy) called the meeting to order at 9:15am. Shrier reviewed the agenda for the day and requested any changes/additions. Shrier informed the ACC attendees that he will provide an update regarding PacifiCorp’s activities relating to water right applications for all Lewis River fish projects. No additional changes were requested.

Shrier requested comments and/or changes to the ACC Draft 8/13/09 meeting notes. No changes were requested. The meeting notes were approved at 9:20am.

Adult Release Strategy – Feedback on Proposals

Shrier informed the ACC that PacifiCorp is exploring a variety of options to release adults in the upper Swift release area.

Option 1 – Swift Camp boat launch.

Option 2 - If water levels are too low Swift Camp boat launch cannot be used so a viable alternative is to release fish at **Eagle Cliff**. [Attachment A](#) illustrates Eagle Cliff day-use park to include the release pipe line and elevation of line from ground to bottom of pipe. PacifiCorp anticipates use of this site in early winter and late spring for primarily Winter Steelhead.

In addition, the pipe is not permanent; however engineers are thinking about making the supports permanent. The supports will be placed 10' apart and the pipe will be strapped down to the supports. PacifiCorp is also looking at ways for supplementary water to flush the fish out. The pipe is a 10" – 15" pipe consisting of high density polypropylene and corrugated on the outside (smooth on the inside) and when not needed will be removed for storage.

Shrier also expressed that PacifiCorp will *not* be using a trough because fish could jump or fall out.

Shannon Wills (Cowlitz Indian Tribe) suggested the use of "lay-flat" inside the pipe to insure fish safety when passing over the pipe joints.

Option 3 – Release fish at **Swift dam** but reservoir must be within 10 feet of full pool in order for this option to work.

Curt Leigh expressed that he wants to keep on the table the option for a deep water boat ramp/launch on Swift reservoir. He would like this option to be identified in the final considerations. Leigh is aware that the Settlement Agreement does not require PacifiCorp to establish a deep water boat launch, but it possibly could be less expensive than other options if other parties were to develop the launch. As such PacifiCorp may want to consider greater involvement in the deep water launch project.

Adam Haspiel (US Forest Service) expressed concern about the aesthetics of a pipe flume at Eagle Cliff. Wills suggested the addition of a sign indicating exactly what the flume is being used for.

Olson communicated to the ACC attendees that if the reservoir is within 10' of full pool the preferred option is to release at Swift dam, unless fall back to the collector becomes an issue. If not available, Swift Camp boat ramp/launch will be used. If the ramp is not available, we would release at Eagle Cliff.

Leigh would like PacifiCorp to develop a contingency (4th option) if the reservoir is too low and PacifiCorp is unable to access Swift Camp or Eagle Cliff.

Water Rights Update

Shrier informed the ACC attendees that PacifiCorp is applying for non-consumptive water rights relating to every fish facility on the Lewis River, e.g. Merwin Upstream passage which requires four non-consumptive water rights.

Olson expressed that it would be helpful to receive letters of support from the ACC to attach with the applications. PacifiCorp will likely apply in January 2010.

Leigh indicated that support from the Washington Department of Fish & Wildlife will have to come after Washington Department of Ecology (WDOE) has reviewed the applications.

In response to a question from George Lee (Yakama Nation) regarding the length of time PacifiCorp will hold these water rights, Olson indicated that PacifiCorp will hold the non-consumptive water rights until such time they are no longer needed.

Study Updates

Shrier and Lesko provided the following study updates:

Swift Constructed Channel and Swift Upper Release – Construction nearly complete on Constructed Channel; Lesko informed the ACC attendees that 47 cfs is required according to the Settlement Agreement until the upper release is completed. The construction contractor would prefer 14 cfs in the Constructed Channel and the remaining 33 cfs will shunted to the bypass. This would be in place until the Upper Release is completed and bypass flows are released at that point. Shrier clarified that the 14 cfs requirement came from WDOE in the 401 Water Quality Certification. The project will be complete in approximately 1 – 2 weeks.

The Swift Upper Release construction project was stopped due to seepage issues. PacifiCorp Engineers have suggested a re-design and the Federal Energy Regulatory Commission has approved. Test pits were created to see where water is coming from to avoid excavating in a pool of water. Shrier used engineering illustration, “Swift Upper Release Siphon Profile Sketch”, ([Attachment C](#)) to view cross sections of the revised piping to see where water will be siphoned. There is a vacuum pump to ensure siphon is not lost, and the existing berm between the spawning channel and the plunge pool will be ‘beefed-up’ to protect in high flow. If there is some sort of failure at the release structure or siphon, operators will spill into the plunge pool and a one-way culvert will supply water to the spawning channel.

Hatchery Upgrades –

Lewis River Hatchery Pond 15 is nearly complete; waiting for holding tanks; installing distribution pipes for ponds. The target to start collecting returning adults is September 16, 2009.

Speelyai Burrows Pond will be complete in 1 – 2 weeks.

Hatchery & Supplementation (H&S) Plan – The comment period ended on September 8, 2009. PacifiCorp is in the process of scheduling another H&S Plan Subgroup meeting to finalize and submit the Plan to the Services for a 60-day review and comment period.

Acclimation Pond Plan – Preliminary drawings are back from consultants and they confirmed that the concept design is very feasible at any of the sites. The drawings have been sent to the Yakama Nation via email for them to comment. The ACC can expect a review draft very soon.

Water Quality Management Plan – Comments received from WDOE; and PacifiCorp will be discussing with the WDOE. It's important we stay true to the 401 Water Quality Certification.

Swift 90% Design Submittal – WDFW comments pending and are needed as soon as possible.

Monitoring and Evaluation Plan (ACC Review Draft) – Comments are due September 21, 2009.

Baseline Monitoring Plan – Finished summer season collections; PacifiCorp will schedule a subgroup meeting to talk about Fall collection.

Stranding Monitoring Study – Comments due September 11, 2009.

Public Comment

None

New Topics

A number of ACC attendees requested a copy of the Hatchery & Supplementation reintroduction schedule to the ACC ([Attachment B](#)). Erik Lesko (PacifiCorp Energy) stated that reintroduction starts in 2012.

Agenda items for October 8, 2009

- Review September 10, 2009 Meeting Notes
- Update from H&S Plan Subgroup
- Study/Work Product Updates

Next Scheduled Meetings

October 8, 2009	November 12, 2009
Merwin Hydro Control Center	Merwin Hydro Control Center
Ariel, WA	Ariel, WA
9:00am – 3:00pm	9:00am – 3:00pm

Meeting Adjourned at 10:20 a.m.

Handouts

- Final Agenda
- Draft ACC Meeting Notes 8/13/09
- [Attachment A](#) – Eagle Cliff Site Plan
- [Attachment B](#) - Hatchery & Supplementation reintroduction schedule
- [Attachment C](#) – Swift Upper Release Siphon Profile Sketch

Field Visit and Safety Tailgate – departed at 10:30am

Frank Shrier	George Lee	Eric Kinne
Todd Olson	Kate Miller	David Hu
Erik Lesko	Adam Haspiel	Kimberly McCune

















































Olson conducted a safety tailgate to include review of the following sites to be visited:

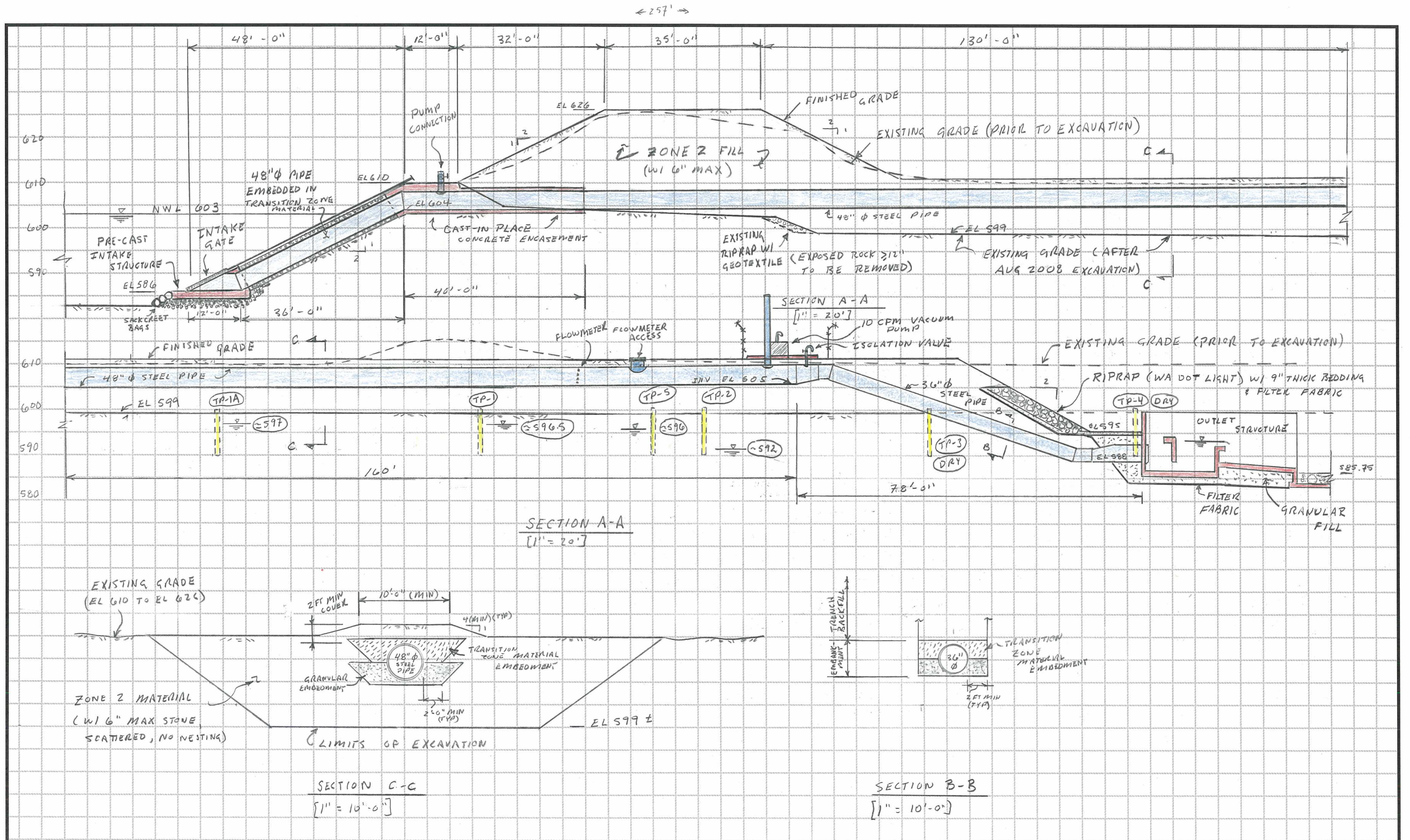
- Lewis River Hatchery Pond 15
- Speelyai Hatchery Burrows Pond
- Cougar Creek Weir
- Constructed Channel

He expressed that all sites are active construction sites so we will stand outside general construction areas and watch only. All attendees will wear hard hats, glasses, and foot protection when appropriate.

Olson communicated to all attendees to consider the following when at each site:

- All stay together
- Carpool, if available
- Hearing and hard hat protection will be needed
- Any bee allergy's please speak up
- If sun block is needed PacifiCorp can provide
- Watch for traffic at Lewis River Hatchery Pond 15
- Driving conditions will be dry

	2009	2010	2011	2012	2013	2014	2015
Habitat Preparation Plan							
Adult Transport							
Reintroduction							
Spring Chinook (2,000)							
Winter Steelhead							
Early Coho (9,000)							
Juvenile Supplementation							
WWST Broodstock Collection							
Release WWST downstream of Merwin dam							
SCH Broodstock Collection							
Transport SCH Juveniles to Acclimation sites							
Broodstock Collection, Addl. Hatchery Production							
Spring Chinook							
Early Coho							



						3	8/24/09	Revised w/ D. Gupta comments	TRDB				
						2	8/23/09	Revised w/ surveyed T/P's	TRDB				
						1	8/14/09	Revised TP locations	ROB				
						0	8/13/09		ROB				
4	8/25/09	Pacificorp comments		TRDB		NO.	DATE	REVISION	DWN	CK	ACC	APP	

BLACK & VEATCH

PROJECT

SWIFT UPPER RELEASE PROJECT
SIPHON PROFILE SKETCH

P-GN-016-B