

**Willamette Action Team for Ecosystem Restoration (WATER)
Research, Monitoring and Evaluation (RM&E)
November 16, 2020
CONFERENCE CALL/WEBEX**

http://pweb.crohms.org/tmt/documents/FPOM/2010/Willamette_Coordination/Willamette_RME/RME.html

**FINAL Facilitator’s Summary
[Edits Provided by: Corps]**

ACTION	BY WHOM?	BY WHEN?
Consider ideas for use/replacement of the Lebanon Dam monitoring equipment and bring to December meeting.	RM&E Team	12/16 meeting
Contact Kelly and Lawrence to discuss needs for additional monitoring (JPL-XX-21 Foster Dam Juvenile Passage Spill Ops IM#9).	Mike	As soon as feasible
Meet to discuss links/strategy regarding sampling/monitoring for JPL-XX-SYS Interim Measures Passage and Survival.	Mike & Anne	As soon as feasible
Present RM&E thoughts/questions re: IM #5 at DET and hatchery BiOp/monitoring efficiencies to Steering Team.	Mike, Lawrence, Kelly	12/1 Steering Team meeting

Present for all or part of the meeting: Leslie Bach (NPCC), Fenton Kahn (COE), Michael Hudson (USFWS), Dave Jepsen (ODFW), Rachel Laird (COE), Anne Mullan (NMFS), Jim Myers (NMFS), Christine Petersen (BPA), Kelly Reis (ODFW), Lawrence Schwabe (CTGR),

Facilitation Team: Emily Stranz and Nancy Pionk (DS Consulting).

Welcome and Housekeeping

Emily welcomed the group and conducted a round of introductions. Team members approved the October 22, 2020 RM&E meeting summary.

Update on FY20 Studies

Fenton reported that the contract for the pedigree analysis is halfway through the contracting process and may be completed by December.

FY21 Concept Follow-up

- **Interim Measures screwtrapping contract** - Fenton noted that the request for bids is now open and the Corps expects to get responses from researchers within the next three weeks. The contracting office will review all proposals to confirm that they meet the requirements and then narrow down the applications to one contractor. Once a contractor is selected, their proposal will be provided to the RM&E team for review and comments. Fenton will keep the team updated between meetings as information develops.
- **JPL-XX-21 Detroit Dam juvenile passage (IM#5)**
Christine and Fenton updated the group regarding the plan to use turbines for station service power (SSP) during interim operations at DET. At the October 22nd meeting, Fenton noted that the intention of the interim operation is to use the ROs as a safe passage route for fish. However, given that the ROs are 100 feet deeper than the turbines, there was a concern that fish might pass through the turbines during SSP. It was noted that it is not ideal not to have power generation during the time periods in which fish may be passing. Christine and Fenton noted that DET does not need to

generate SSP during the times designated for the interim operations (6 AM - 10 AM and 6 PM to 10 PM during approximately November 1, 2020 through February 1, 2021) unless there is an emergency (they can get SSP from the grid). Christine shared BPA's perspective, that while the measure is not ideal for power, it was part of the agreement concerning the interim measures. Fenton noted that the SOR was approved and the operation began on November 1, 2020.

Anne questioned whether fish are likely to sound 100 feet and raised a concern that fish will likely hold in the reservoir and then go through the turbines once they are turned back on. She noted that it would be helpful to have screwtraps in place to monitor this; she raised the question: if monitoring is not in place, it is useful to continue the DET operation? It was suggested that this question be brought to the Steering Team for consideration.

→ **Actions:** The RM&E Team will bring forward the following question to the Steering Team for consideration: *Whether it is useful to continue interim measure #5 at DET without monitoring in place?*

- ***JPL-XX-21 Foster Dam Juvenile Passage_Spill Ops_IM#9***
At the October 22nd meeting, Mike agreed to reach out to co-managers to discuss needs for additional monitoring and next steps. Mike indicated that this conversation had not yet occurred; he will keep the RM&E Team informed as conversations move forward.
- ***JPL-XX-SYS Interim Measures Passage and Survival***
At the October 22nd meeting, Mike and Anne agreed to meet to consider and discuss links between sampling upstream and monitoring needs downstream. Mike indicated that this conversation had not yet occurred; Anne and Mike will keep the RM&E Team informed as conversations move forward.

Sub-basin RM&E Plans

Fenton has been in working in the field and thus has not been able to review the status of the sub-basin RM&E plans. He will review them when he returns to the office in December. Fenton proposed that the team discuss how best to update/complete the plans and consider the implications of the interim measures at the January RM&E Team meeting.

Follow-up regarding Lebanon Dam Monitoring Equipment

The group continued their discussion from the October 22nd meeting regarding the Lebanon Dam PIT antenna monitoring equipment. At the October meeting, Fenton had reported that the Corps was planning to remove PIT antenna and equipment at Lebanon Dam in summer 2021. He noted that while the PIT antennas in the adult fish ladder were still collecting data, the antennas on the spillway are damaged and not repairable and would need to be replaced.

Dave noted that ODFW does not have capacity to retrieve data from the antennas. Fenton noted that he will begin working on the contract in January 2021 for removal of the damaged PIT antennas in summer 2021, and any future plans to use/replace the equipment need to be identified by then (January or February).

Anne noted that the detectors could be useful for monitoring if PIT-tagged fish are coming downstream in connection with the South Santiam sub-basin plan for RM&E. Jim noted that given the interim measures and re-design of the weir, having the ability to detect at Lebanon Dam would be great and the expense of modifying/repairing the antennas may be similar to removing them.

It was noted that, in considering what to do with this equipment, the team needs to consider what actions this information would inform and what data needs exist. Team members agreed to consider outside the meeting what additional data needs there are which would support the use/updating of this equipment.

The team will bring their ideas for continued use/replacement to the December RM&E meeting.

Additionally, it was noted that there is planned hatchery BiOp monitoring taking place at Lebanon Dam (for adult migration) and a question was raised whether there are opportunities to combine or build off of hatchery BiOp efforts to get juvenile monitoring at the Dam? The RM&E Team will bring this question forward to the Steering Team for consideration.

→ **Action:** RM&E Team members will bring ideas for use/replacement of the Lebanon Dam PIT antenna monitoring equipment to the December 14, 2020 RM&E Team meeting.

→ **Action:** The RM&E Team will bring forward the following question to the Steering Team for consideration: *Whether there are opportunities to combine or build off of hatchery BiOp efforts (for adult migration) to get juvenile monitoring at Lebanon Dam?*

Closing

The group agreed to reschedule the December 2020 meeting to December 14, 2020 from 10 AM – 12 PM due the Christmas Holiday.

With that, Emily thanked the group and adjourned the meeting.

The next RM&E meeting is December 14, 2020 at 10 AM

This summary is provided by DS Consulting. Suggested edits are welcome and can be provided to Nancy at nancy@dsconsult.co

Document Review Tracking (Click here for [Master “tracking” Spreadsheet](#))

Document Name	Document Type	Comments Due By	Comments Provided By
High-Head Bypass Fish Passage Investigations: Year One	Draft Technical Report	November 30, 2020	
DET Pedigree Analysis	Concept Paper	7/29/2020	
	Status: Ranked 8/27/20; RM&E discussed further at 9/24/20 mtg. Fish managers to provide write-up regarding information needs.		
FY19 APH-19-02-FC - Fall Creek_AFF_yr2.	Concept Paper	7/29/2020	
	Status: Ranked 8/27/20; Moving forward		
FY20 JPL-20-01 - Spatiotemporal sources of mortality in juvenile reservoir-reared Chinook salmon.	Concept Paper	7/29/2020	
	Status: Ranked 8/27/20		
FY21 APH-21-01 - Rapid Genetic Sorting.	Concept Paper	7/29/2020	
	Status: Ranked 8/27/20		
FY21 JPL-XX-21 - Detroit Dam Juvenile Passage_IM#5.	Concept Paper	7/29/2020	
	Status: Ranked 8/27/20; RM&E discussed further at 9/24/20 mtg. Proposal being requested.		
FY21 WQFM-XX-21-BCL - Big Cliff TDG_IM#6.	Concept Paper	7/29/2020	
	Status: Ranked 8/27/20; RM&E discussed further at 9/24/20 mtg		
FY20 JPL-XX-SYS - Interim Passage and Delayed Mortality.	Concept Paper	7/29/2020	
	Status: Ranked 8/27/20; RM&E discussed further at 9/24/20 mtg. Revised concept provided 10/22/20.		
FY21 JPL-XX-21 - Foster Dam Juvenile Passage Spill Ops_IM#9.	Research Summary	7/29/2020	
	Status: No Ranking; RM&E to discussed further at 9/24/20 mtg		
FY21 JPL-XX-21 - Foster Dam Adult Passage Operations_TDG_IM #10.	Research Summary	7/29/2020	
	Status: No Ranking; RM&E discussed further at 9/24/20 mtg		