

CMER SAG UPDATES

July 2024

WetSAG

Co-Chairs: Debbie Kay & Harry Bell

AMP Project Manager: Jenny Schofield (WMZ/FWEP)

Forested Wetlands Effectiveness Project

- Field work is ongoing.
 - Data downloads, data QAQC and water quality analysis from instrumented sites is ongoing and will continue for the next two water years.
 - Hemispherical photography is complete for 2023, will be repeated in summer 2024.
 - The project team is conducting summer field work: Vegetation Surveys are ongoing and scheduled to be completed by the end of August.
- WetSAG hosted a field trip out of Forks where they they took the opportunity to visit some study sites.

Wetlands Management Zone Effectiveness Monitoring

- Policy approved the WMZ Charter at the May 2023 meeting, with the expectation that any lingering questions and comments be addressed during the scoping process.
- Scoping is ongoing, WetSAG has reviewed the first draft. Authors are continuing to develop the document based on current feedback from WetSAG.

UPSAG

Chairs: Jennifer Parker & Mike Maudlin

AMP Project Manager: Theryn Henkel

Deep-Seated Landslide Research Strategy

Project Team: Julie Dieu, Rachel Pirot, Anne Weekes, Elise Freeman, Jennifer Parker

AMP Project Manager: Theryn Henkel

- The RFQQ for the DSL Study Design was posted on 7/15/2024
- UPSAG has begun discussions on the remaining projects in the strategy, planning for what the next steps should be.

Unstable Slope Criteria Project

Project Team: Julie Dieu, Dan Miller, Ted Turner, Jeff Keck, Elise Freeman, Susan Shaw, Tiffany Justice

AMP Project Manager: Theryn Henkel

- The Object-Based Landform Mapping with High-Resolution Topography Study PT is focused on writing the final report. Neptune will review the report to get another perspective/feedback before ISPR. The report should be ready for concurrent UPSAG/CMER review in August.

- Implementation has begun on the Study Design for Empirical Evaluation of Shallow Landslide Susceptibility and Frequency by Landform (Project 3) and Empirical Evaluation of Shallow Landslide Runout (Project 4).

SAGE

Chair: Todd Baldwin

AMP Project Manager: Anna Toledo (ENREP), Jenny Schofield (ETHEP, Eastside Forest Health)

Eastside Timber Habitat Evaluation Project (ETHEP)

- The project team is assembling datasets and setting up the landscape classification analysis workflow.
- The project team presented on ETHEP Phase I to SAGE at the June 11th meeting. SAGE agreed to move into Phase II field data collection. The PM is working with landowners to gain access agreements for field data collection.
- The project team is planning a presentation/update to CMER at the September meeting.
- Summer field work is ongoing.

Eastside Forest Health Strategy

- SAGE is currently working to develop the full Eastside Forest Health Strategy after approval of strategy guidance document in Spring 2023.
 - Rachel is continuing to gather literature and geospatial datasets for a desktop analysis.
 - Work is ongoing
 - Rachel gave an update at the May SAGE meeting and will be giving a more in-depth presentation to SAGE in the coming months.

Eastside Type N Riparian Effectiveness Project (ENREP)

- Field season is underway, with teams monitoring several variables at each site.
- At their June 12 meeting, TFW Policy approved an extension of monitoring at the ENREP sites beyond two years post-harvest for fiscal year 2025. The PM is working on contract amendments with University of Idaho and Utah State University to add this additional monitoring.

RSAG

Co-Chairs: Joe Murray & Jenny Knoth

AMP Project Managers: Anna Toledo (RCS, Riparian Function Literature Synthesis), Alexander Prescott (Westside Type F, Extensive Monitoring)

- RSAG completed a field trip with Dr. Timothy Wootton on July 10.

Riparian Characteristics and Shade Response Study

- PI Rachel Rubin coordinated and completed implementation at the two sites within the Northwest Coast ecoregion that were selected for implementation this summer. This included taking daily hemispherical photos during implementation week and coordinating and overseeing contractors to complete LiDAR flights, sequential timber cutting, and post-harvest tree

inventory.

- Rachel will be working on site identification for continued implementation in summer 2025.

Westside Type F Riparian Prescription Effectiveness Project

- Exploratory Report Timeline (*future dates in italics*):
 - November 2022, Approved by CMER and sent to ISPR for review.
 - January 2023, ISPR response received.
 - April 2024, Revised version sent to and approved by ISPR.
 - May 2024, CMER approval of report (with allowances for minor corrections)
 - July 2024, Preliminary RSAG review of Final 6 Questions
 - August 2024, Final RSAG / CMER review and approval of the Final 6 Questions.
 - September 2024, Submission of Findings Report to TFW Policy

Extensive Riparian Status and Trends Monitoring – Riparian Vegetation and Stream Temperature, Type F/N Westside and Eastside Project

- The ExMo Project Team (PT) continues to make headway on scoping the project through the development of the Scoping and BAS documents.
- PT members have been outlining and writing various sections/elements of the documents and refining alternatives for both stream temperature and riparian functions/conditions components.
- The PT expects to begin sharing draft sections of the BAS and/or Scoping Document with RSAG starting in August, ahead of the planned October submission of final drafts of both documents.

Riparian Function Literature Synthesis

- CMER comments were received by July 1 from the three CMER reviewers – Jenny Knoth, A.J. Kroll, and Welles Bretherton. The document with comments has been returned to the authors, who will address comments and return the document to CMER.

ISAG

Chair: Jason Walter

AMP Project Manager: Anna Toledo

Anadromous Fish Floor

- The AFF Project Team has been reviewing historic documents related to previous AFF work and conducting an after-action review.

Water Typing Strategy

- Projects currently included in the Water Typing Strategy are: Potential Habitat Breaks (PHB), Default Physical Criteria Assessment (DPC), LiDAR Based Water Typing Model (LiDAR), and Fish/HabitatDetection Using eDNA (eDNA).
- The PHB Project Team is working on desktop site selection. The Project Team is also working on acquiring a PI and has developed a draft scope of work for what would be needed from a PI.

- The DPC Project Team is working on the DPC Study Design and expects to initiate concurrent CMER/ISAG review in fall 2024.
- Western EcoSystems Technology, Inc. is supporting ISAG with statistical consultation for the PHB and DPC Study Designs.

LWAG

Co-Chairs: AJ Kroll & Aimee McIntyre

AMP Project Manager: Jenny Schofield

Type Np Hard Rock Phase III- Amphibian Demographics

- Analyses to support report development have been completed.
- Report development is in progress.
- Anticipated delivery of report to CMER for review in September 2024.

Temperature and Amphibians in Discontinuously Flowing Np Reaches

- First draft of scoping has been reviewed by LWAG.
 - Questions and comments have been addressed.
 - LWAG will have the opportunity for a second revision concurrently with CMER review.
 - LWAG supports submission of the scoping document to CMER for review.
- CMER has received the LWAG Scoping document for review, comments are due on July 25, 2024.
- Project Team presentation to CMER at July 23, 2024 meeting.

Road Prescription-Scale Effectiveness Monitoring

Project Team: Julie Dieu, Charlie Luce, Tom Black, Erkan Istanbuluoglu, Amanda Alvis, Jenelle Black.

AMP Project Manager: Alexander Prescott

- The Project Team (PT) continues to develop the 2024 interim report for expected delivery in the August 2024 CMER meeting.
- The PT successfully implemented the Sediment Trap Efficiency Experiment after the Detailed Implementation Plan was approved by CMER in April 2024. Execution of the STE occurred in June 2024.
- The PT continues collaborating with Neptune and Company, Inc (using the AMP Statistician Contract) after developing a work order to process traffic camera and count data using machine learning. This effort is ongoing as we wait for the results from Neptune while they build and run a convolution neural net approach to classify hundreds of thousands of traffic camera photos.
- The PT continues to work on numerous data analyzation efforts related to microtopography, flow imputation, rain gauge data management, flow calibration, turbidity, suspended sediment concentration, etc.
- The PT continues to work with the DNR Pacific Cascade (PC) region as we execute the annual road maintenance, with phase 1 now completed (consisting of adding road surface rock and

implementing ditch treatments/ditch maintenance) and phase 2 (road grading) scheduled for October.

Anticipated Documents for CMER Consideration/Review Next 12 Months						
Project Name	Document Type	Project Manager	Science Lead/PI	Oversight Committee	Original Anticipated Date	Anticipated Date of Delivery
Unstable Slopes Criteria Project - Landform Mapping	Final Report	Henkel	Elise Freeman (CMER)	UPSAG	Feb- 2023	August 2024
DPC	Study Design	Toledo	TBD	ISAG	Feb-23	Sep-24
Discontinuous Np Surface Flows	Scoping	Schofield	Aimee McIntyre (WDFW)	LWAG	Sept -22	June-24
Westside Type F Riparian Prescription Effectiveness Exploratory Project	Final Six Questions	Prescott	Jenelle Black (CMER)	RSAG	July-24	Aug-24
Extensive Monitoring	Scoping Document	Prescott	Jeff Robins (ECY)	RSAG	Dec-24	Dec-24
Extensive Monitoring	Best Available Science (BAS)	Prescott	Jeff Robins (ECY)	RSAG	Dec-24	Dec-24
Road Prescription-Scale Effectiveness Monitoring	Interim Report/Presentation	Prescott	Jenelle Black (CMER)	CMER	Jun-24	Aug-24
WMZ	Scoping	Schofield	Tanner Williamson (CMER)	WetSAG	May-24	TBD
Riparian Function Literature Synthesis – CMER approval	Literature Synthesis	Toledo	Rachel Rubin (CMER)	RSAG	Aug-24	Aug-24
Eastside Timber Habitat Evaluation Project	Project management Plan	Schofield	Rachel Rubin (CMER)	SAGE	March-24	Sep-24
Eastside Timber Habitat Evaluation Project	Charter Update	Schofield	Rachel Rubin (CMER)	SAGE	July-24	Sep-24
* Policy Initiated Items- Not following CMER' Protocols and Standards Manual						