



**DEPARTMENT OF
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RESOURCES**

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MEMORANDUM

June 14, 2024

TO: Cooperative Monitoring, Evaluation, and Research Committee (CMER)

FROM: Lori Clark, Adaptive Management Program Administrator (AMPA)

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SUBJECT: CMER Work Plan Update– Project Prioritization

The Cooperative Monitoring, Evaluation, and Research Committee (CMER) Science Advisory Groups (SAGs) completed the 2023 SAG Project Assessment exercise (see attached) which included withdrawn projects and project add-ons. To inform the 2025-2027 Work Plan and Appendix A, CMER will need to complete the following steps:

1. Discuss format of the Work Plan (e.g. list the completed and/or withdrawn projects under the strategy but move details to an appendix with hyperlink).
2. CMER consideration/ approval of projects recommended by SAGs for potential withdrawal.
3. Review projects that were not assigned to a SAG (e.g., forest chemicals program, Roads project) to verify that projects are still relevant to the AMP priorities.

Once these steps are completed, the SAGs will be assigned the following:

- Propose sequencing/prioritization of future projects (including added projects and the project add-ons).
- Verify CWA projects are noted as such in the Work Plan and Appendix A.
- Provide Work Plan updates for CMER consideration.

	Activity									Notes
		Jun	July	Aug	Sep	Oct	Nov	Dec		
PMS	Format of the work plan, finalize edits (per previous approved language)									
CMER	Approval of projects recommended by SAGs for potential withdrawal.									
CMER	Review projects that were not assigned to a SAG.									
SAGs	Prioritize/sequence the proposed future project list (including the project add-ons).									Aug: UPSAG, SAGE, LWAG, RSAG Sept: ISAG, Roads, WetSAG
CMER	Approve sequencing of future projects									
SAGs	Work Plan updates									Sept: UPSAG, SAGE, LWAG, RSAG Oct: ISAG, Roads, WetSAG
CMER	Approve Work Plan updates									

Attachments:

- Draft Appendix A (rule group, CMER projects, status, task type, and priority)

APPENDIX A: CMER PROJECTS, OBJECTIVES, AND TARGETS

Rule Group/ Program	CMER Projects	Status	Task Type	Priority
Stream Typing Rule Group				
Stream Typing Program (Rule Tool)				
	Last Fish/Habitat Prediction Model Development	complete	RIT	
	Annual/Seasonal Variability	complete	R&D	
	Last Fish/Habitat Prediction Model Field Performance	complete	RIT	
	Default Physicals Criteria Assessment	in prog	RIT	
	Fish/Habitat Detection Using Environmental DNA (eDNA)	complete	---	
	Evaluation of physical features that define fish habitat in forested landscapes (PHB)	in prog	RIT	
	Anadromous Fish Floor	in prog	RIT	
Stream Typing Program (Extensive Status and Trends Monitoring)				
	Recoverable/Restorable Fish Habitat	delayed	EXT	
Type N Riparian Prescriptions Rule Group				
Type N Delineation Program (Rule Tool)				
	Perennial Initiation Point Survey: Pilot Study	complete	RIT	
Sensitive Site Program (Rule Tool)				
	SAA Sensitive Sites Identification Methods	complete	RIT	
	SAA Sensitive Sites Characterization	complete	RIT	
Type N Riparian Effectiveness Program				
	Westside Type N Buffer Characteristics, Integrity, and Function (BCIF)	complete	EFF	
	Type N Exp Buffer Treatment Feasibility Study	complete	R&D	1
	Type N Exp Buffer Treatment in Hard Rock Lithologies- Phase 1	complete	EFF	1
	Type N Exp Buffer Treatment in Hard Rock Lithologies (Extended Monitoring: Amphibian Demographics/Channel Metrics)- Phase 2	complete	EFF	1
	Type N Exp Buffer Treatment in Hard Rock Lithologies (Extended Monitoring: Temperature, Sediment, Vegetation, Litterfall)- Phase 2	complete	EFF	1
	Type N Exp Buffer Treatment in Hard Rock Lithologies (Extended Monitoring: Amphibian Demographics and responses of interest)- Phase 3	in prog	EFF	1
	Type N Exp Buffer Study in Soft Rock Lithologies	complete	EFF	1
	Windthrow Frequency, Distribution, and Effects	delayed	EFF	
	Eastside Type N Buffer Characteristics, Integrity, and Function (BCIF)	delayed	EFF	
	Eastside Type N Forest Hydrology	complete	RIT	1
	Eastside Type N Riparian Effectiveness	in prog	EFF	1
	Eastside Ns Effectiveness	delayed	EFF	
	Timber	complete	---	
	Sensitive Sites and Amphibian Project	delayed	RIT	
	Slash in Type N Streams	delayed	EFF	
Type N Amphibian Response Program (Effectiveness)				
	SAA Detection/Relative Abundance Methodology	complete	R&D	
	Type N Exp Buffer Treatment in Hard Rock Lithologies ⁽⁹⁾	complete	EFF	
	Tailed Frog Literature Review	complete	R&D	
	Tailed Frog Meta-Analysis	complete	R&D	
	Tailed Frogs and Parent Geology	delayed	R&D	
	Dunn's Salamander	complete	R&D	
	Buffer Integrity - Shade Effectiveness	complete	EFF	1
	Amphibian Recovery	complete	EFF	
	Water Temperature and Amphibian use in Type Np Waters with Discontinuous Surface Flow	delayed	R&D	2
	Van Dyke's Salamander Literature Review	complete	R&D	
	Van Dyke's Salamander	add	R&D	
	Eastside Amphibian Evaluation	delayed	R&D	
	Type N Hard Rock Phase III Amphibian Demographics	in prog	R&D	
	Type N Hard Rock Phase III Amphibian Demographics	add	R&D	
Extensive Riparian Status and Trends Monitoring Program				
	Extensive Riparian Status and Trends Monitoring- Temperature, Type F/N Westside	in prog	EXT	
	Extensive Riparian Status and Trends Monitoring- Temperature, Type F/N Eastside	in prog	EXT	
	Extensive Riparian Status and Trends Monitoring- Vegetation, Type F/N Westside and Eastside	in prog	EXT	
	Riparian Characteristics and Shade Response Study	in prog	INT	
	Wood Recruitment Volume and Source Distances from Riparian Buffers	---	---	
Rule Group/ Program				
CMER Projects				
Status				
Task Type				
Type F Riparian Prescriptions Rule Group				
DFC Validation Program (Rule Tool)				
	DFC Target Validation	complete	RIT	
	DFC Plot Width Standardization (scoping)	withdrawn	R&D	
	FPA Desktop Analysis (includes field analysis)	complete	RIT	
	DFC Site Class Map Validation (scoping)	delayed	RIT	
	DFC Trajectory Model Validation	delayed	R&D	
	DFC Aquatic Habitat	delayed	R&D	
	Pathways of Riparian Stand Development to Maturity	delayed	R&D	
	Red Alder Growth and Yield Model (coop. contribution)	complete	R&D	
Eastside Type F Riparian Rule Tool Program				
	Eastside Disturbance Regime Literature Review	complete	R&D	
	Eastside LWD Literature Review	complete	R&D	
	Eastside Temperature Nomograph	incomplete	RIT	
	Eastern WA Riparian Assessment (EWRAP)	complete	R&D	1
	Eastside Modeling Evaluation (EMEP)	complete	RIT	
	Eastside Timber Habitat Evaluation (ETHEP)	in prog	RIT	
	Eastside Type F Channel Wood Characterization	delayed	R&D	
Bull Trout Habitat Identification Program (Rule Tool)				
	Bull Trout Presence/Absence Protocols	complete	RIT	
	Bull Trout Habitat Prediction Models	complete	RIT	
	Yakima River Radiotelemetry	complete	R&D	
Westside Type F Riparian Effectiveness Program				
	Westside Type F Riparian Prescription Monitoring	in prog	EFF	
	Westside Type F Experimental Buffer Treatment	delayed	EFF	
	Type F Performance Target Validation	delayed	EFF	
Eastside Type F Riparian Effectiveness Program				
	BTO Temperature (Eastside Riparian Shade/Temperature)	complete	EFF	1

Solar Radiation/Effective Shade	complete	EFF	1
Eastside Type F Riparian Effectiveness Monitoring (BTO add-on)	in prog	EFF	1
Groundwater Conceptual Model	withdrawn	R&D	
Hardwood Conversion Program (Effectiveness)			
Riparian Hardwood Conversion	complete	EFF	1
Riparian Hardwood Conversion - Temperature Component	complete	EFF	
Annotated Bibliography: Riparian Hardwood Conversion	withdrawn	R&D	
WDOE Water Temperature Modeling	complete	R&D	
Intensive Monitoring/Cumulative Effects Program: No projects yet identified.			

Rule Group/ Program	CMER Projects	Status	Task Type
Channel Migration Zone Rule Group			
CMZ Delineation Program			
	CMZ Screen and Aerial Photo Catalog and CMZ Boundary Identification Criteria	withdrawn	RIT
	Consistency and Accuracy of CMZ Boundary Delineations	delayed	RIT
CMZ Validation Program: No projects yet identified.			
Unstable Slopes Rule Group 1			
Unstable Landform Identification Program (Rule Tool)			
	Shallow Rapid Landslide Screen for GIS (Westside)	complete	RIT
	Shallow Rapid Landslide Screen for GIS (Eastside)	delayed	RIT
	Technical Guidelines for Geotechnical Reports	complete	RIT
	Regional Unstable Landforms Identification (Deep-Seated Screen)	complete	RIT
	Landform Hazard Classification System and Mapping Protocols	complete	R&D
	Landslide Hazard Zonation (priority 1 and 2 watersheds)	complete	RIT
	Landslide Hazard Zonation (priority 3 watersheds)	withdrawn	RIT
Glacial Deep-Seated Landslides Program (Rule Tool)			
	Model Evapo-Transpiration in Deep-Seated Landslide Recharge Areas	complete	RIT
	Evapo-Transpiration Model Refinement	delayed	R&D
	Glacial Deep-Seated Landslides and Groundwater Recharge Literature Synthesis	complete	RIT
	Groundwater Recharge Modeling	delayed	R&D
	Glacial Deep-Seated Landslide Map	in prog	RIT
	Landslide Classification	in prog	RIT
	Board Manual Revision	complete	RIT
Mass Wasting Effectiveness Monitoring Program			
	Unstable Slopes Criteria	in prog	---
	Non-Glacial Deep-Seated Landslides and Groundwater Recharge Literature Synthesis	complete	---
	Deep-Seated Landslide Research Strategy	in prog	---
	Mass Wasting Effectiveness Monitoring (aka Post-Mortem)	complete	EFF
	Mass Wasting Landscape Scale Extensive Monitoring	withdrawn	EFF
	Mass Wasting Buffer Integrity and Windthrow Assessment	withdrawn	EFF
Mass Wasting Validation Program (Intensive): No projects yet identified.			
Roads Rule Group			
Road Sub-Basin-Scale Effectiveness Monitoring Program			
	Road Sub-Basin-Scale Effectiveness Monitoring (Phase 1)	complete	EFF
	Road Surface Erosion Model Update	complete	RIT
	Road Surface Erosion Model Validation/Refinement	delayed	R&D
Road Prescription-Scale Effectiveness Monitoring Program			
	Effectiveness of RMAP Fixes	delayed	EFF
	Road Prescription-Scale Effectiveness Monitoring	in prog	EFF
Roads Validation Program and Cumulative Sediment Effects			
	Intensive Watershed-Scale Monitoring to Assess Cumulative Effects	delayed	INT

Rule Group/ Program	CMER Projects	Status	Task Type
Fish Passage Rule Group			
Fish Passage Effectiveness/Validation Monitoring Program: No projects yet identified. withdrawn			
Extensive Fish Passage Monitoring Program			
	Extensive Fish Passage Trends Monitoring (Design)	complete	EXT
Pesticides Rule Group			
Forest Chemicals Program (Effectiveness and Validation): No projects yet identified.			
Wetlands Protection Rule Group			
Forested Wetlands Effectiveness Program			
	Forested Wetlands Effectiveness	in prog	EFF
	Forest Practices and Wetlands Systematic Literature Review	complete	R&D
	Forested Wetlands Literature Review and Workshop	complete	R&D
	Statewide Forested Wetlands Regeneration Pilot	complete	EFF
Wetland Management Zone Effectiveness Monitoring Program			
	Wetland Management Zone Effectiveness Monitoring	scoping	EFF
Forest Roads and Wetlands Program			
	Roads Effects on Wetlands	---	---
	Wetlands Mitigation Effectiveness (Pilot Study)	withdrawn	EFF
	Wetlands Mitigation Effectiveness (Phase 1)	withdrawn	EFF
	Wetlands Mitigation Effectiveness (Phase 2)	withdrawn	EFF
Wetland Intensive Monitoring Program			
	Wetlands Intensive Monitoring	delayed	INT
Wetland Mapping Program			
	Wetland Intrinsic Potential Tool (WIP)	complete	RIT
Silvicultural Chemicals and Wetlands Program: No projects yet identified.			
Wildlife Rule Group			
Wildlife Program			
	RMZ Resample	complete	EFF
Intensive Watershed-Scale Monitoring to Assess Cumulative Effects: No projects yet identified.			