

Projects Removed From Master Schedule Due to Completion

- Bull Trout Overlay Solar Radiation
- Bull Trout Overlay Temperature/Shade
- Mass Wasting Effectiveness Monitoring
- Westside Type N BCIF
- Eastside Type F Riparian Effectiveness (BTO add-on)
- Red Alder Growth and Yield Model
- Tailed Frog Literature Review
- Yakima River Radiotelemetry

Projects Removed From Master Schedule (Cost) - Reason

- Extensive Monitoring Studies – Replaced with an alternate extensive pilot project and implementation funding.
 - Type N Extensive Eastside Temperature (Baseline Status) - \$450,000 over 3 years.
 - Type F Extensive East and Westside – Vegetation (Baseline Status) - \$800,000 over 6 years.
 - Type F Extensive East and Westside – Temperature (Resample) - \$2.15 million over 11 years.
 - Type F Extensive East and Westside – Vegetation (Resample) - \$750,000 over 6 years.
 - Type N Extensive East and Westside – Vegetation (Baseline Status) - \$700,000 over 5 years.
 - Type N Extensive East and Westside – Temperature (Resample) - \$2.3 million over 12 years.
 - Type N Extensive East and Westside – Vegetation (Resample) - \$750,000 over 6 years.
- Wetlands Overlay Project (\$785,000) – A concept to map wetlands as part of ongoing research. Determined that opportunity has passed.
- Mass Wasting Buffer Integrity – Windthrow (\$785,000) – Replaced with Windthrow Synthesis
- Windthrow Frequency, Distribution and Effects (\$2,580,000) – Replaced with Windthrow Synthesis
- Eastside Type N BCIF (none budgeted) – Assumption is that other studies (cite?) will address.
- Type N Experimental Buffer Treatment in Hard Rock (none budgeted) – CMER unclear what the purpose of this study was.
- Intensive Watershed Scale Monitoring to Assess Cumulative Effects (Roads Program) (none budgeted) – Duplicate to Watershed Scale Assessment of Cumulative Effects (roads and riparian)
- DFC Aquatic Habitat (\$785,000) – Already have performance standards for DFC so monitoring is not needed.
- Annotated Bibliography – Riparian Hardwood Conversion (\$785,000) – Replaced with literature review conducted as part of the Riparian Hardwood Conversion study.
- Groundwater Conceptual Model (none budgeted) - A draft literature review has been completed. However, the draft conceptual model developed from the original contract did not

meet the expectations or objectives described by the former BTSAG to identify areas that might be highly susceptible to groundwater heating after timber harvest.

- Overlay Project (Wetlands Mapping) (\$610,000) – Duplicate study to Wetlands Overlay Project.
 - DFC Plot Width Standardization (none budgeted) – CMER recommended removing this project.
 - Landslide Hazard Zonation (\$610,000) – Not a research project, potential agency task.
 - Board Manual Revision (Section 16 – Deep Seated Landslides) (none budgeted) – Not a research project, elements currently underway by DNR.
 - DNR GIS Wetlands Data Layer (none budgeted) – Not a research project, potential agency task.
-
- **Projects Placed on a hold list, pending a decision on a project listed in the Master Schedule or other action.**
 - Effectiveness of RMAP Fixes (\$625,000) – Re-evaluate after completion of road prescription scale project.
 - Road Surface Erosion Model Validation/Refinement (\$1,385,000) – Re-evaluate after completion of road prescription scale project.
 - Wetlands Mitigation Effectiveness (\$785,000) – Consider the following as part of the wetlands strategy development: Pending refinement of dependent variables (e.g., work plan does not suggest what should be specifically measured) that would best be completed after the wetlands literature review, if being developed or another similar milestone.
 - Eastside Type F Channel Wood Characterization (\$785,000) - Project needs to be re-scoped to proceed as it was to use the EWRAP data set. Too much time has now passed. May be needed to establish LWD performance targets on Eastside.
 - Eastside Tailed Frog Distribution Study (\$785,000) – Revisit pending the results of the Eastside N effect study. If no effect on temperature than perhaps no reason to do the study.
 - DFC Site Class Map Validation (\$785,000) – to correct site class mapping would be a significant undertaking acknowledging that there remains significant variability in site class accuracy, especially near RMZs.
 - Tailed Frog meta Analysis (\$140,000)– Low priority for LWAG, no need to prioritize prior to 2019.
 - Tailed Frogs and Parent Geology (\$785,000) – Revisit pending the results of the Type N Hardrock Studies.
 - DFC Trajectory Model Validation (\$785,000) – Revisit pending study design decisions on westside prescription effectiveness study.
 - Eastside Temperature Nomograph (\$785,000) – Revisit pending discussion on BTO Overlay Study findings
 - Hydrogeomorphic Wetland Classification System (\$785,000) – Hold pending wetland effectiveness studies
 - Consistency and Accuracy of CMZ Boundary Delineations (\$610,000) – Review as part of a CMZ strategy discussion.

- CMZ Screen and Aerial Photo Catalog and CMZ Boundary Identification Criteria (none budgeted)
- Review as part of a CMZ strategy discussion.
- Forest Chemicals Program (Effectiveness) (none budgeted) – pending discussion and development of strategy if needed.
- CMZ validation program, No specific projects suggested (\$610,000) - Review as part of a CMZ strategy discussion.
- Chemical Effects to Forested Wetlands (\$2,580,000) – Revisit as part of Wetland strategy development
- Eastside Type F Effectiveness (new study for additional strata) (\$2,580,000)– Revisit, pending BTO discussion
- Wetlands/Roads Interaction study (\$2,580,000) – Revisit as part of Wetland Strategy development