

Draft
CMER Master Schedule
 March 27, 2014

CMER Master Project Schedule																		
Recommended FP HCP Adaptive Management Program Priority Projects																		
Project	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052
CMER Science Staff	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000	601,000
Project Support	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000	387,000
Project Administration	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000	267,000
Type N Experimental Buffer Treatment Project in Hard Rock Lithologies																		
Type N Experimental Buffer Treatment Project - Hard Rock- Amphibian Genetics - Post sample																		
Type N Experimental Buffer Treatment Project - Hard Rock- Amphibian Demographics/Channel Metrics																		
Type N Experimental Buffer Treatment Project in Hard Rock Lithologies - Temp/Sediment/Vegetation/Litterfall																		
Type N Experimental Buffer Treatment Project - Soft Rock Lithologies																		
Eastside Type N Forest Hydrology																		
Eastside Type N Riparian Effectiveness - Perennial																		
Eastside Type N Riparian Effectiveness - Dry																		
Buffer Integrity - Shade effectiveness (amphibian response)																		
Type N Extensive Westside - Temperature (Baseline status)																		
Eastern Washington Riparian Assessment (EWRAP)																		
Bull Trout Overlay Solar Radiation																		
Bull Trout Overlay Temperature/Shade																		
Eastside Type F Riparian Effectiveness (BTO add-on)																		
Riparian Hardwood Conversion																		
Type F Extensive East & Westside - Temperature (Baseline status)																		
Mass Wasting Effectiveness Monitoring (Post mortem buffer effectiveness)																		
Unstable Slopes Criteria Evaluation and Development (new UPSAG)																		
Road Sub-Basin-Scale Effectiveness Monitoring - Resample																		
Forest Practices and Wetlands Systematic Literature Review																		
Forested Wetlands Effectiveness Study																		
Wetlands Program Research Strategy																		
Wetland/Stream Water Temp Interactions																		
Wetland Hydrologic Connectivity																		
Wetlands Management Zone Effectiveness Monitoring																		
Amphibians in Intermittent Streams																		
Type N Extensive Eastside - Temperature (Baseline status)																		
Westside Type F Riparian Prescription Monitoring																		
Mass Wasting Landscape-Scale Effectiveness Monitoring																		
Watershed Scale Assessment of Cumulative Effects (sed & temp)																		
Road Prescription-Scale Effectiveness Monitoring																		
Windthrow Frequency, Distribution and Effects																		
Eastside Type N BCIF																		
Type F Experimental Buffer Treatment	150,000	100,000																
Type F Extensive East & Westside - Vegetation (Baseline status)																		
Type F Extensive East & Westside - Temperature (Resample)																		
Type F Extensive East & Westside - Vegetation (Resample)	75,000	75,000											150,000	350,000	350,000	150,000	75,000	75,000
Type N Extensive East & Westside - Vegetation (Baseline status)																		
Type N Extensive East & Westside - Temperature (Resample)																		
Type N Extensive East & Westside - Vegetation (Resample)	75,000												150,000	350,000	350,000	150,000	75,000	75,000
Pathways of Riparian Stand Development to Maturity																		
Effectiveness of RMAP Fixes	150,000	350,000	350,000	150,000	100,000													
Westside Type N BCIF																		
Type N Experimental Buffer Treatment Project - Hard Rock	216,000																	
Type F Performance Target Validation																		
Mass Wasting Buffer Integrity - Windthrow																		
Road Surface Erosion Model Validation/ Refinement																		
Van Dykes Salamander Project																		
RMZ birds																		
Wetlands Overlay Project																		
Wetlands Intensive Monitoring	100,000	150,000	350,000	350,000	350,000	150,000	100,000	150,000	150,000	75,000	75,000							
Wetlands Mitigation Effectiveness (deprioritized by CMER/ Policy)																		
Note: Order is not representative of review priority. Some project may be dropped pending review of recent literature and some projects may be added pending final results of CMER projects, further review and evaluation of "critical questions" in CMER's work plan, and unforeseen needs of Policy and the Board. Projects already on Policy's "Task List" do not apply.																		
	2,021,000	1,930,000	1,955,000	1,755,000	1,705,000	1,405,000	1,355,000	1,405,000	1,405,000	1,330,000	1,330,000	1,255,000	1,555,000	1,955,000	1,955,000	1,555,000	1,405,000	1,405,000
Project Priority Legend																		
1 - Current projects																		
2 - CWA projects (not already implemented in 1 above)																		

CMER Work Plan Projects Listed Below will be Prioritized and Budgeted at a Later Date by CMER/Policy.

Note: Order is not representative of review priority. Some project may be dropped pending review of recent literature and some projects may be added pending final results of CMER projects, further review and evaluation of "critical questions" in CMER's Work Plan, and unforeseen needs of Policy and the Board. Projects already on Policy's "Task List" do not apply.

Type N Amphibian Response Program (Effectiveness)

Tailed Frog Literature Review
Tailed Frog meta-Analysis
Tailed Frogs and Parent Geology

DFC Validation Program (Rule Tool)

DFC Plot Width Standardization
DFC Site Class Map Validation
DFC Trajectory Model Validation
DFC Aquatic Habitat
Red Alder Growth and Yield Model

Eastside Type F Riparian Rule Tool Program

Eastside Temperature Nomograph
Eastside Type F Channel Wood Characterization
Yakima River Radiotelemetry

Westside Type F Riparian Effectiveness Program

Type F Performance Target Validation

Eastside Type F Riparian Effectiveness Program

Groundwater Conceptual Model

Hardwood Conversion Program

Annotated Bibliography Riparian Hardwood Conversion

CMZ Delineation Program

CMZ Screen and Aerial Photo Catalog and CMZ Boundary Identification Criteria
Consistency and Accuracy of CMZ Boundary Delineations

CMZ Validation Program

Projects yet to be Identified

Unstable Landform Identification Program (Rule Tool)

Shallow Rapid Landslide Screen for GIS (Eastside)
Landslide Hazard Zonation (priority 3 watersheds)

Glacial Deep-Seated Landslides Program (Rule Tool)

Evapo-Transpiration Model Refinement
Landslide Classification
Groundwater Recharge Modeling and Model Refinement
Board Manual Revision

Mass Wasting Validation Program (Intensive)

Projects yet to be identified

Roads Validation Program and Cumulative Sediment Effects

Intensive Watershed-Scale Monitoring to Assess Cumulative Effects

Fish Passage Effectiveness/Validation Monitoring Program

Projects yet to be Identified

Extensive Fish Passage Monitoring Program

Extensive Fish Passage Trend Monitoring

Forest Chemicals Program (Effectiveness)

Projects yet to be Identified

Wetlands Mapping Tools Program (Rule Tool)

DNR GIS Wetlands Data Layer
Hydrogeomorphic Wetland Classification System
Overlay Project (Wetlands Mapping)

