

**To** TFW Policy Members  
**From** Terra Rentz, TFW Co-Chair  
**Date** 1 February 2019  
**Subject** **Board Information: Relative Priorities for the Adaptive Management Program**

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At the November Forest Practices Board meeting discussions occurred regarding the high-level prioritization of projects on the Master Project Schedule (MPS) triggered by three topics: (1) the increased costs of the Board Requests PHB study, (2) the 2019 deadline for Clean Water Act Assurances, and (3) extended monitoring for Type N. Although Policy submitted a balanced projected budget in August for the FY 20/21 Biennium, changes in these areas are shifting what was a balanced budget into a projection that exceeds available funds. As a result, the Board asked Policy Co-Chairs to describe a few MPS scenarios reflective of high-level policy priorities to better equip them to advise Policy on a desired direction for the final FY20/21 budget that would be approved in May. Specifically, the Board asked for 2 things:

1. A proposed strategy by both Policy and CMER for how to address Extended Monitoring (CMER is taking the lead; Due to the Board by May)
2. High-level MPS prioritization scenarios (Informational only; Due to the Board by February)

This memo seeks to present those high-level scenarios for discussion at Policy. This is not a decision item, but is intended to capture the breadth of options to inform the Board in their discussions. Caucus specific concerns or endorsements on any particular scenario will be captured and communicated to the Board. A final Board Memo will be prepared by co-chairs at the conclusion of our February Policy Meeting. The specific budget, reflective of the direction of the Board, will be developed by the Budget Workgroup and proposed to Policy for consensus in April.

#### **Scenario Assumptions:**

- Projected *available funds for research* remain stable from FY19 (\$3,781,600 per FY)
- *Administrative Expenses* remain constant (\$1,442,270 per FY)
- Clean Water Act projects are a high priority due to the expiration of Assurances in 2019
- Type N post-harvest Add-on Studies need to be completed
- Board Directed Projects should be accommodated in most scenarios
- Deep Seated Slopes strategy, was board directed and needs to be captured in certain strategies
- Type N decision making is in progress and projects related to that process are critical
- Within each scenarios, delays and gap years should be minimized

#### **Proposed Scenarios (in no particular order):**

- A. All Clean Water Act Assurances Projects** (~\$1.5 M per FY), Remaining *Active Projects* (Soft Rock/Hard Rock Add-On; ~\$120K), PHB Study (\$570K costs **negative variance**)
- B. Type N Related Projects** (Add-ons, Extended, Riparian Characteristics; ~\$735K), Remaining *Active Projects* (~1.1M per FY), PHB Study (\$100K **negative variance**)
- C. All Active Projects** (\$1.2 M FY20, \$1.06 M FY21), PHB Study (\$350K **positive variance**)
- D. Deep-seated Slopes Strategy** (\$200K FY20/21), All *Active Projects* (\$1.2 M FY20, \$1.06 M FY21), PHB Study (\$150K **positive variance**)
- E. All Projects** (Active, CWAs, Type N Related, Deep Seated), **excluding PHB study** (\$100k **positive variance**)

A working spreadsheet will be available at Policy to demonstrate changes in “bottom line” funding for the purpose of discussion.

## **Scenario Details**

### **SCENARIO A – CLEAN WATER ACT ASSURANCES PRIORITY (then remaining Active, PHB)**

#### **Active Projects**

- CWA\_Type N Experimental Buffer treatment Project in Soft Rock Lithology -- (1) Monitoring ends fall 2017, 2-yr post-harvest
- CWA\_TWIG Eastside Type N Riparian Effectiveness (ENREP)
- CWA\_TWIG\_Westside Type F Riparian Prescription Monitoring
- CWA\_TWIG\_Road Prescription-Scale Effectiveness Monitoring
- Type N Experimental Buffer treatment Project in Soft Rock Lithology – Analysis and Summary Report
- Add-on\_LWAG\_Type N Experimental Buffer Treatment in Hard Rock Lithologies -- Amphibian Extended (Analysis & Summary Report)
- Add-on\_Type N Experimental Buffer Treatment Project in Hard Rock Lithology -- Temperature Extended (Analysis & Summary Report)

#### **Board Directed Project(s)**

- Potential Habitat Break Validation/Evaluation Study (likely season delay necessary to accommodate cost)

#### **Projects Moving to Implementation**

- CWA\_TWIG\_Unstable Slopes Criteria Evaluation and Development
- CWA\_TWIG Forested Wetlands Effectiveness Study
- CWA\_WetSAG\_Wetlands Management Zone Effectiveness Monitoring

#### **Projects Needing Study Design**

- CWA\_LWAG\_Amphibians in Intermittent Streams

#### **Projects Needing Scoping (Not in current Biennium)**

- CWA\_WetSAG\_Wetlands Intensive Monitoring
- CWA\_RSAG\_Watershed Scale Assessment of Cumulative Effects (roads and riparian) -- *post* Effectiveness Monitoring
- CWA\_UPSAG\_Road Sub-Basin-Scale Effectiveness Monitoring -- Resample (Re-scoping)

### **SCENARIO B – TYPE N RELATED PROJECT PRIORITY (then remaining Active and PHB)**

#### **Active Projects**

- CWA\_Type N Experimental Buffer treatment Project in Soft Rock Lithology -- (1) Monitoring ends fall 2017, 2-yr post-harvest
- CWA\_TWIG Eastside Type N Riparian Effectiveness (ENREP)
- CWA\_TWIG\_Westside Type F Riparian Prescription Monitoring
- CWA\_TWIG\_Road Prescription-Scale Effectiveness Monitoring
- Type N Experimental Buffer treatment Project in Soft Rock Lithology – Analysis and Summary Report
- Add-on\_LWAG\_Type N Experimental Buffer Treatment in Hard Rock Lithologies -- Amphibian Extended (Analysis & Summary Report)
- Add-on\_Type N Experimental Buffer Treatment Project in Hard Rock Lithology -- Temperature Extended (Analysis & Summary Report)

#### **Board Directed Project(s)**

- Potential Habitat Break Validation/Evaluation Study

#### **Projects Moving to Implementation**

- RSAG\_Riparian Characteristics and Shade Study

#### **Extended Monitoring**

- Add On\_LWAG\_Type N Experimental Buffer Treatment Project in Hard Rock Lithology -- Extended Monitoring: AMPHIBIANS
- Add on\_Type N Experimental Buffer Treatment Project in Soft Rock Lithology -- -- Extended Monitoring: TEMPERATURE

### **SCENARIO C – ALL ACTIVE PROJECTS AS PRIORITY (then PHB - \$350K positive variance)**

#### **Active Projects**

- CWA\_Type N Experimental Buffer treatment Project in Soft Rock Lithology -- (1) Monitoring ends fall 2017, 2-yr post-harvest
- CWA\_TWIG Eastside Type N Riparian Effectiveness (ENREP)

- CWA TWIG\_Westside Type F Riparian Prescription Monitoring
- CWA TWIG\_Road Prescription-Scale Effectiveness Monitoring
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- Add-on\_Type N Experimental Buffer Treatment Project in Hard Rock Lithology -- Temperature Extended (Analysis & Summary Report)

**Board Directed Project(s)**

- Potential Habitat Break Validation/Evaluation Study (likely season delay necessary to accommodate cost)

**SCENARIO D – DEEP SEATED SLOPES PRIORITY (then remaining Active projects, PHB)**

**Active Projects**

- CWA\_Type N Experimental Buffer treatment Project in Soft Rock Lithology -- (1) Monitoring ends fall 2017, 2-yr post-harvest
- CWA\_TWIG Eastside Type N Riparian Effectiveness (ENREP)
- CWA TWIG\_Westside Type F Riparian Prescription Monitoring
- CWA TWIG\_Road Prescription-Scale Effectiveness Monitoring
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- Add-on\_LWAG\_Type N Experimental Buffer Treatment in Hard Rock Lithologies -- Amphibian Extended (Analysis & Summary Report)
- Add-on\_Type N Experimental Buffer Treatment Project in Hard Rock Lithology -- Temperature Extended (Analysis & Summary Report)

**Board Directed Project(s)**

- Potential Habitat Break Validation/Evaluation Study (likely season delay necessary to accommodate cost)

**Projects Needing Study Design**

- UPSAG\_Deep Seated Research Strategy -- Study Design Development
- UPSAG\_Deep Seated Research Strategy -- Phase I: Mapping (4.5)
- UPSAG\_Deep Seated Research Strategy -- Phase II: Landslide Classification Project (4.6)
- UPSAG\_Deep Seated Research Strategy -- Phase III: GIS Toolkit Development (4.7) (FY22)
- UPSAG\_Deep Seated Research Strategy -- Phase IV: Groundwater Modeling Project (4.8) (FY24)
- UPSAG\_Deep Seated Research Strategy -- Phase V: Physical Modeling of Deep-seated Landslides (FY24)
- UPSAG\_Deep Seated Research Strategy -- Phase VI: Landslide Monitoring Project (FY 24)

**SCENARIO E – ALL PROJECTS, EXCLUDING PHB STUDY**

**Active Projects**

- CWA\_Type N Experimental Buffer treatment Project in Soft Rock Lithology -- (1) Monitoring ends fall 2017, 2-yr post-harvest
- CWA\_TWIG Eastside Type N Riparian Effectiveness (ENREP)
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**Projects Moving to Implementation**

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- CWA\_LWAG\_Amphibians in Intermittent Streams

**Projects Needing Scoping (Not in current Biennium)**

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**Extended Monitoring**

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- Add on\_Type N Experimental Buffer Treatment Project in Soft Rock Lithology -- -- Extended Monitoring: TEMPERATURE