



**DEPARTMENT OF  
NATURAL  
RESOURCES**

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## MEMORANDUM

19 April 2022

**TO:** Cooperative Monitoring, Evaluation, and Research Committee (CMER)  
**FROM:** Saboor Jawad, Adaptive Management Program Administrator (AMPA)  
**SUBJECT:** TFW Policy Request to Scope Extensive Monitoring Project

This memo transmits to CMER a TFW Policy request to develop an Extensive Monitoring (EM) proposal for stream temperature and riparian stand conditions. TFW Policy passed the following motion at their regular meeting on April 07, 2022.

“ Move that TFW Policy forwards the extensive monitoring request as outlined in the edited workgroup memo to CMER to scope a landscape scale extensive monitoring project to collect data to understand status/trends of key indicators and provide context for ongoing and future prescription scale studies” TFW Policy Committee approved motion, April 07, 2022

At their special budget meeting on April 15, 2022, TFW Policy also recommended to the Forest Practices Board an EM line item and associated budget in the Master Project Schedule (MPS). The Board will consider the MPS for approval at their May, 2022 meeting.

CMER can begin the scoping work leading to a scoping document and study design for EM. I've assigned Alexander Prescott to serve as the project manager for EM. CMER may want to consider assigning this request to a Science Advisory Group and/or work with the AMPA to assemble a project team.

The workgroup memo referenced in TFW Policy motion is also transmitted to CMER with this memo.

**Attachment:**

- Policy request for Extensive Monitoring information

## Policy request for Extensive Monitoring information

On June 3<sup>rd</sup> 2021 TFW Policy accepted the Extensive Monitoring Workgroup recommendation that “a strategy be developed to inform the direction of this component [extensive monitoring] of the CMER research and monitoring program”. In order to meet the goals in Schedule L-1 of the Forests and Fish Report (FFR) and the Forest Practices Habitat Conservation Plan, TFW Policy requests CMER develop an Extensive Monitoring (EM) proposal for stream temperature and riparian stand conditions. Additionally, identify if and how existing data can be incorporated into the study design and present to policy. Policy intends to include EM on the Master Project Schedule with a budget to develop the study design. Identify potential collaborations and present proposal(s) for CMER integration with existing status and trends work conducted by different agencies including efforts lead by members of the public, private and academic sectors taking place on and off FFR lands of interest. This will initiate an iterative conversation between TFW Policy and CMER.

### Questions:

- What is the distribution of stream temperature in Type F and N streams across FFR regulated lands, and how is the distribution changing over time as the forest practices prescriptions are implemented?
- For Type F and N streams, what is the status of riparian stand condition; e.g. stand structure, large wood present (contributing to pools and stream morphology), and shade.
- What is the variation in stream temperature distribution on FFR regulated lands compared to non-FFR regulated lands?
- What other questions can we answer with this effort?
  - o For example: Are there cost efficient add-ons can we implement at the same time, such as amphibian presence/absence (eDNA)?
- Which of the resource targets are able to be collected from various remote sensing options (LIDAR, Landsat imagery, etc...)

### Additional Considerations

CMER proposed work should also identify data and analysis methods that have potential to contribute to validation monitoring. Policy understands that EM does not address cause and effect relationships therefore, it is expected that Extensive Monitoring findings will inform future targeted Intensive Monitoring project proposals to address policy relevant knowledge gaps. While not as far along as extensive monitoring, Policy will begin to look at intensive monitoring.