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## Summary AMP eDNA Efforts

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There have been a few efforts in the AMP to evaluate eDNA as a rule-tool since 2020. This document is a high-level summary of what has been discussed and decided within the AMP (Forest Practices Board, TFW Policy, and/or CMER) regarding the use of Environmental DNA (eDNA), a method that measures target DNA that is left behind in the water.

- CMER will ensure future eDNA studies are done under adequate oversight and peer review.
- CMER is expected to include eDNA in future water-typing studies.
- CMER is encouraged to continue development of eDNA technology and protocol as for use by the FPB and CMER in PHB, DPC, and other future studies yet scoped.

### [eDNA Pilot Study](#)

November 16, 2020, CMER meeting

- When incorporating eDNA into last-fish studies, consider multiple criteria regarding positive detection to reduce false results.
- **Further development and refinement of eDNA technology and protocol recommended, though not specifically in CMER's hands.**

### [eDNA Findings Report Review Slideshow](#)

May 19, 2021, CMER meeting

- Exploratory studies must be administered with full oversight and accountability.
- **eDNA is to be discussed as a part of PHB and/or DPC studies being developed by ISAG.**
- **CMER is expected to include eDNA in future water typing studies.**

### [Document 10 Draft Answers to CMER's Six Questions](#)

May 19, 2021, CMER meeting

- All studies must be administered with full oversight and accountability.
- **eDNA may be further investigated in broader scale research through CMER.**
- **eDNA to be potentially included as a component of CMER research.**

### [Document 9\(a\) Summary of eDNA Timeline](#)

May 25, 2021, CMER meeting

- CMER vote to pass Six Questions Document and Final Report.
  - **Passed in July, no Action taken (See "July Minutes")**
- **Move to encourage CMER to further develop eDNA potential.**

### Document 5(c)eDNA AMPA Transmittal Letter

June 10, 2021, TFW Policy meeting

- “CMER is expected to include eDNA methods in its future water typing related study efforts, and at that time will both apply the lessons learned from this endeavor and submit those study designs to more strenuous peer review.”
- **CMER is expected to Include eDNA in future water typing studies.**

### July Minutes

July 1, 2021, TFW Policy meeting

- CMER is encouraged to develop tool and use it for future studies.
- Convert to LicA base test for presence.
- **No Action to be taken.**
- **Move to encourage CMER development of eDNA.**

### FPB Final eDNA Report

July 20, 2021, FPB meeting

- Not intended or appropriate to include eDNA results from study into formal guidance or rules.
- **CMER is expected to Include eDNA in future water typing studies.**

### FPB Board Meeting Minutes August

August 11, 2021, FPB meeting

- **Board motions to encourage the CMER committee to continue development of eDNA as tool for the Forest Practices program to use in future studies.**