

## [EXTERNAL] PVM analyses

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Mon 2/22/2021 9:55 AM

To: Cassler, Constance <constance\_cassler@fws.gov>

Cc: Williams, Larry O <larry\_williams@fws.gov>; Hinzman, Roxanna <roxanna\_hinzman@fws.gov>; Dell, David <david\_dell@fws.gov>; Tawes, Robert <robert\_tawes@fws.gov>

 3 attachments (17 MB)

mem\_fws\_pvm\_scientific\_issues\_20210222.pdf; StatisticsReviewOfPVMprediction\_10Nov2020.pdf; Higgs\_FREMreview\_SupplementaryFiles.zip;

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Good Morning Connie,

Per your 2/11/21 email, please find attached a brief memo outlining ECPO's concerns regarding the FREM and associated PVM analyses. As you will note, the memo lists a number of critical issues regarding the FREM and PVM analyses that will require the USGS peer reviewer to examine detailed FREM and PVM methodologies, raw datasets and derivative datasets, statistics, PVM work products, and draft BO language. A copy of the report from Dr. Megan Higgs (previously submitted to the Service on 11/11/20) is also attached, with supplementary files.

Given the amount information that the reviewer will require to perform their work, ECPO requests that the Service promptly forward this email (with attachments) to the USGS reviewer, so they can begin directing Vero staff to compile the necessary datasets and supporting materials now, prior to the reviewer beginning their work. This will allow the USGS reviewer to perform their work as efficiently as possible, without unnecessary delays due to initial data requests.

ECPO would appreciate an email confirmation that this information was forwarded to the USGS reviewer. If you have any questions or items to discuss, please contact me at your convenience.

Thank You,

**Bruce Johnson, Ph.D.**

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