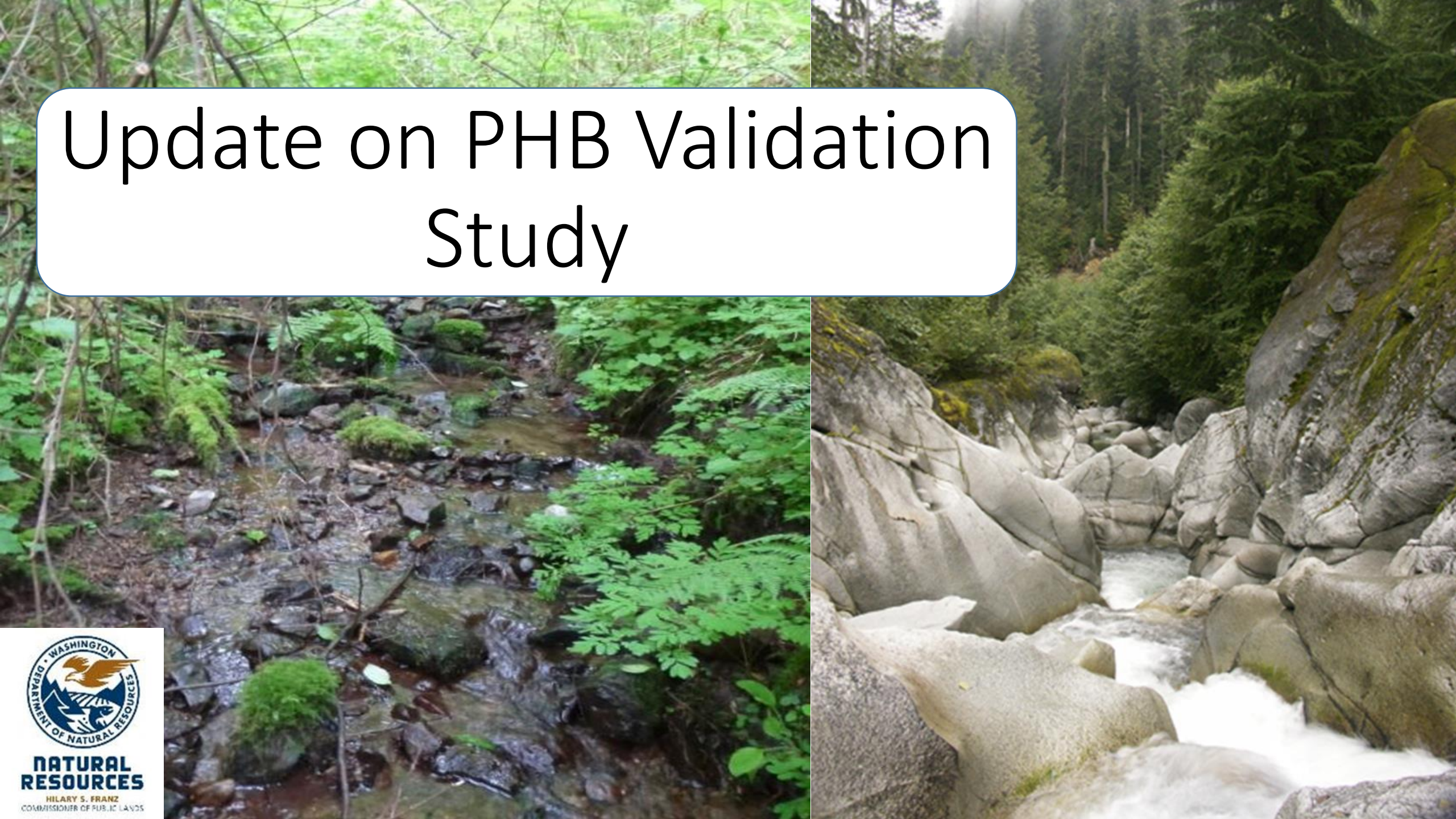


Update on PHB Validation Study



Study Design Overview

- Stratified sample by ecoregion
 - We can always aggregate to the appropriate resolution informed by data.
- Focus on end of fish point to start the identification of PHBs---200 m up and downstream. Will use electrofishing to identify starting point.
- Measure slope, stream size, and obstacles seasonally to determine if PHBs can be identified correctly.
- Measure all sites each survey season, and then 1/3 in two other biologically relevant seasons during each year: each site gets sampled 3 x during Mar-June, and once in the other two seasons.
- eDNA proposed for 3rd sampling season to take advantage of logistics and representative sample informed by OSU/USFS/CMER funded project in 2018.



Pilot study

- Purpose: to test available protocols in gathering data necessary to identify PHBs and inform the validation study starting in March 2019.
- Visit complex sites on east and west side of the state to thoroughly test methodology.
- Analyze data and report progress to the Board in November.
- Refine budget for entire study.



Status of Pilot Project

- Comments received from stakeholders and waiting for ISPR comments on study design.
- Response matrix for each comment received and identify how it was incorporated or why it wasn't.
- Send revised document to ISPR for review.
- Present ISPR approved study design to the Board in August.



Project Timeline

- Revise study design (now until July 2018).
- Initiate Pilot study (Now through October 2018 if funding is approved) and report/presentation to the Board in November 2018.
- Work with landowners to review and identify study sites (September 2018 to February 2019).
- Conduct Validation Study (start in March 2019 through December 2022).
- Annual reports to the Board in November (2019, 2020, 2021, 2022).
- Analysis Feb-May 2022, with draft Summary Report for review at CMER June 2022.
- ISPR review August-December 2022.
- Final Summary Report – CMER Jan-Feb 2023; Policy Mar-Apr 2023; Board May 2023.

