

Expert Science Panel

Closed Session Summary

December 7, 2022

The Expert Science Panel (Panel) met from 10:00 AM – 12:00 PM remotely via zoom. The goal of the day was three-fold: (a) review requested data analysis from the previous meeting, (b) define what lab techniques (if any) we should start considering for the next phase of the study, and (c) planning for the next Panel closed session and Stakeholder Committee public meeting held back-to-back on Dec 21, 2022. SCCWRP staff had prepared and sent a revised draft Data Packet from the baseline intercalibration study to the Panel members.

SCCWRP began the day with a brief recap of the previous meeting outcomes, including (a) updating the data packet formats to tables and figures, (b) plotting more summary statistics including frequency distributions, binning data by trigger points, and (c) advanced data analysis including Analysis of Variance or Covariance (ANOVA/ANCOVA), random forest, and multiple linear regression, amongst others. The Panel discussed the results at length, including interpretation of results. A number of new data analysis were requested, including revising or refining data analysis already conducted.

SCCWRP staff presented additional data analysis aiming to target lab techniques for the next phase of the study. Several aspects of testing were evaluated for differences between labs in neonate production, neonate production variability, or test toxicity endpoints including brood board productivity, brood board water quality, age of brood board females, test water quality, type of dilution water, and source of dilution water, amongst other factors.

The Panel asked for another round of data analysis to include reformatting tables and plots, revising biological response variables, including differences in feeding, examining brood board health criteria, and focusing analysis only on labs that passed test acceptability criteria. SCCWRP staff is to add these to the final revised data packet.

SCCWRP then led a discussion about the upcoming back-to-back Panel closed session and Stakeholder Committee public meeting to be held on Dec 21, 2022. The Panel agreed on a basic agenda, and asked SCCWRP to prepare two shared files for review and group editing: (a) SCCWRP's summary of the baseline intercalibration study, and (b) the Panel's conclusions and recommendations for next steps. The two presentations will be the focal point of the next meeting.