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Hi all,

As you know, Nadav and I have been working on a power analysis for the Ashy storm-petrel netting efforts conducted at SEFI, the Channel Islands, and Mexico with data provided by you all. Well, we finished that project in the early summer and submitted our final report to NFWF. I have been meaning to send this to all of you for a while and was finally reminded by our meeting today.

While the results of the power analysis aren't on the agenda for today's meeting, maybe it is something we can discuss the next time we are reviewing the monitoring program. Some of the quick take away findings.

- We settled on evaluating the power to detect a 40% decline over a 15 year period. That trend value was chosen because it is already the standard used for the California Current Breeding Seabird Protocol Framework (Bridgeland et al. 2018), which in turn was based on IUCN guidelines.
- There isn't really a good "one size fits all" netting protocol for all three locations. The capture rates and variance at the different colonies are too different to allow that.
- However, each colony can achieve sufficient power to detect meaningful trends over a 15 year period with some standardization of efforts in terms of the total number of netting sessions conducted per year. Different scenarios for how to achieve those sample sizes, including evaluating annual netting effort vs. netting every 3 or 5 years, are also examined.
- In many cases, we may be able to achieve sufficient power to detect the desired trend with less effort than is currently employed, allowing for some flexibility when it comes to funding and personnel requirements.

Please give it a read and let us know if you have any questions or other feedback. We would be happy to set up a time to discuss.

Thanks,
Pete

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