



Meeting: Conservation Services Programme Technical Working Group

Date: Wednesday 29th September 2021

Time: 9:30 am – 11:20 am

Place: Microsoft Teams Meeting

Chair: Katie Clemens-Seely (kclemens@doc.govt.nz)

Attendance: Rosa Edwards, Tom Clark (FINZ), Ian Tuck, Campbell Murray (FNZ), Clinton Duffy, Shannon Weaver, Lyndsey Holland, Tiffany Plencner, Samhita Bose, (DOC), Janice Molloy (SSST), Penny Turner (The Navigators), Andrew Jeffs, Aimee van der Reis (University of Auckland), John Wilmer (TOKM), Rob Schuckard (independent consultant), Jaret Bilewitch (NIWA), Carol Scott (SIFM).

BCBC2020-11d: Drivers for fisher uptake of seabird bycatch mitigation - Southern Seabirds / The Navigators

SW Report isn't online yet as still under review but will go up after that process is complete.

JW Great research, a lot of detail.

PT Yes, a lot of detail and just a short review today.

BCBC2020-05: King shag DNA dietary analysis - University of Auckland

IT What is a secondary item?

AvdR If a fish has eaten a crab we will still pick up the crab.

IT With the data you are collecting is there a way of figuring out the contribution prey species have to the diet?

AvdR Not off this work alone, further research would be required

AJ The scale gives an overall proportion of diet. Work on otoliths previously could aid in determining biomass of fish consumed.

IT Yes could work out size and age of the fish.

RS Have the samples been preserved after DNA analysis?

AvdR Yes we still have them frozen.

Discussion around including which prey species are also recreationally fished e.g. blue cod.

Discussion around landings data used which isn't including bycatch of species that are prey items for king shags e.g. witch.

Discussion around how tracking could aid further work on spatial foraging patterns.

CS King shags in Croiselles Harbour?

RS Last summer we did a survey and we found a roost of 17 king shags at a river mouth south of the Croiselles. One was a juvenile banded bird from the twins. King shags do feed in this area.

CS So the DNA is coming?

RS No, no DNA from Tasman Bay yet

DOC to investigate getting further DNA sampling on Rahanui Island

CD Is there any evidence that they breed in the Tasman Bay, rather than just foraging there?

RS Yes

AJ Given the differences in the marine environment in Tasman Bay we might expect to find quite large differences in king shag diet - so definitely an interesting goal to look at.

End of meeting