



MINISTRY OF FISHERIES  
Te Tautiaki i nga tini a Tangaroa

**Meeting:** Conservation Services Programme Technical Working Group  
National Plan of Action – Seabirds Technical Working Group  
Joint meeting with MFish Aquatic Environment Working Group

**Date:** 27 November 2009

**Time:** 11:30 am – 12:30 pm

**Place:** NIWA, Greta Point, Wellington

**Chair:** Igor Debski (ph: 04-471-8189; email: idebski@doc.govt.nz)

**Present:** Greg Lydon (SeaFIC), Ed Abraham (Dragonfly), Martin Cawthorn (Cawthorn & Associates), Ian Angus (DOC), Finlay Thompson (Dragonfly), Craig Loveridge (MFish), Howard McElderry (Archipelago Marine Research Ltd), Simon Anderson (Lat 37), Andrew Penney (MFish), Steve Halley (MFish), Andrew France (MFish), Nathan Walker (MFish), James Dare (MFish), Eric Mellina (MFish), Kirstie Knowles (Forest & Bird), Paul Sagar (NIWA), Rob Mattlin, Richard Wells (Deepwater Group), David Middleton (SeaFIC), Paul Breen (NIWA), Laureline Meynier (Massey Uni), Wendi Roe (Massey Uni), Baukje Lenting (Massey Uni), Louise Chilvers (DOC), Finlay Thompson (Dragonfly), Vicky Reeve (MFish), Spencer Clubb (MFish).

**Apologies:** Johanna Pierre (DOC), Stephanie Rowe (DOC), Pat Reid (Area 2), Suze Baird (NIWA), Chris Francis (NIWA), Martin Cryer (MFish), Deanna Clement, Barry Weeber (ECO).

**Electronic monitoring in the New Zealand inshore trawl fishery: a pilot trial (2008) - Howard McElderry (Archipelago Marine Research Ltd)**

AP enquired as to the breakdown of cost types (i.e. analysis labour vs equipment), and would like to see some indication of how much effort was involved in the analysis of each hour of footage recorded. He noted from his experience in benthic monitoring there was a need to narrow the scope of the analyses to make it more feasible.

ID clarified that the objectives for the trial were purposefully broad, to encompass the range of data of interest to CSP, and the main aim of the trial was to assess which were feasible to monitor via EM. The final report will be modified to make more reference to the relative labour involved in this type of monitoring.

RW queried the example costing of overseas programmes at \$150 per day.

HM clarified this was Canadian \$.

RW asked how effected by rain the cameras were.

HM - camera housing is dome shape, and level of cleaning required is dependent on location.

SH - do overseas programmes identify finfish to species level?

HM - yes, when control points are used.

There was some general discussion over the ability of these systems to identify fish and other organisms to species level, and the use of control points as part of handling practice.

AP noted that experienced personnel was key in determining species identification from his experience of benthic monitoring.

MC asked if the systems can be used on large vessels.

HM – yes, have been used on factory trawlers.

ID explained the draft report would be updated with a summary of the full data analysis completed since the production of the report. He closed the session, and called for any further comments on the report or draft minutes, by 14 December 2009.