

Update: Syllabus / Due Dates

- 3/31 Debate 1: Compensatory Mortality
- 4/2 Debate 2: Depletion of Tuna Stocks (* Seal Readings)
- 4/7 Leslie Matrix Homework Due (Distribute tomorrow)
- 4/7 Guest Lecture: Monk Seals 1 – NOAA (* HW -2)
- 4/9 Guest Lecture: Monk Seals 2 – DLNR
- 4/14 Homework 2 Due - Review Lecture
- 4/16 Proposal Ideas - Exam of Background Knowledge
- 4/21 Progress Report on Research Proposals
- 4/23 Research Proposals Due
- 4/28 Student Presentations
- 4/30 Review Panel and Conclusions
- 4/30 Pick up Take Home (Due 5/7)

Research Proposal

The minimum acceptable section lengths are:

justification	500 words. Must address research needs and end with null / alternate hypotheses. Contains at least 6 citations
objectives	200 words. In bullet form, list objectives and products of the proposed research (i.e., for each activity, list project output)
methods	500 words. Be sure to include enough details to allow anyone to re-do the work
results	500 words. Describe criteria used to evaluate results. No limit on figures / tables
contributions	500 words. Discuss anticipated results and their broader management implications. Contains at least 8 citations

Debate I: Compensatory Mortality

ARGUMENT: Course of reasoning aimed at demonstrating truth or falsehood:

A fact or statement put forth as proof or evidence; a reason:

A set of statements in which one follows logically as a conclusion from the others.

Monty Python - Argument Clinic



<http://www.youtube.com/watch?v=teMlv3ripSM&feature=related>

Debate Rules

The class will be split into two groups, taking opposing stances on either side of a management dispute.

RED: Group A **BLUE:** Group B

The groups will be assigned to one side of the argument randomly at the beginning of the class.

The 80-minute debate will follow the following format:

- Introductions (Team A and B): 10 mins each
- Rebuttal (Team A and B): 10 mins each
- Questions (Team A and B): 10 mins each
- Concluding Statements (Team A and B): 10 mins each

The Argument

Biol Invasions
DOI 10.1007/s10530-007-9183-0

ORIGINAL PAPER

Integrating invasive mammal eradications and biodiversity offsets for fisheries bycatch: conservation opportunities and challenges for seabirds and sea turtles

C. Josh Donlan · Chris Wilcox

A suite of incentives exists for fisheries, NGOs, and governments to embrace a framework that includes fishery bycatch offsets for seabirds and sea turtles.

A bycatch management framework based on the hierarchy of “avoid, minimize, and offset” would result in cost-effective conservation gains for many threatened seabirds and sea turtles affected by fisheries.

The Argument

CONCEPTS AND QUESTIONS

325

Compensatory mitigation as a solution to fisheries bycatch–biodiversity conservation conflicts

Front Ecol Environ 2007; 5(6): 325–331

Chris Wilcox^{1*} and C Josh Donlan^{2,3}

In a nutshell:

- Fisheries bycatch is causing serious environmental damage, resulting in social conflict, litigation, and fisheries closures
- We demonstrate that a compensatory mitigation approach, reducing other mortality sources to offset the impact of fisheries bycatch, can yield a conservation return on investment 23 times greater than a fishery closure
- If funded by a fee to fishers for their bycatch, this approach provides an individual incentive that increases with extinction risk, which has been shown to be the best predictor of sustainable fisheries management