

Bering Sea slope and canyons are not at risk under current fishery management, and additional habitat protections are not necessary. This science-based decision is consistent with data-driven, ecosystem based fishery management principles, which hold that protections should be enacted where they are likely to be most effective. If marine conservation practitioners and resource managers are committed to “making science matter,” then they

must be prepared to make the appropriate decision based on the best available science.

AUTHOR CONTRIBUTIONS

SM is the primary author. CR lead camera surveys in the EBS. MS and CR modeled coral habitat in EBS.

REFERENCES

- De Leo, F. C., Smith, C. R., Rowden, A. A., Bowden, D. A., and Clark, M. R. (2010). Submarine canyons: hotspots of benthic biomass and productivity in the deep sea. *Proc. Biol. Sci.* 277, 2783–2792. doi: 10.1098/rspb.2010.0462
- McConnaughey, R. A., Amend, M., Berger, J., Busby, M., Campbell, G., Hoff, J., et al. (2006). *A Review of Scientific Information Related to Bering Sea Canyons and Skate Nursery Areas*. North Pacific Fishery Management Council, Anchorage, AK.
- Miller, R. J., Hocevar, J., Stone, R. P., and Fedorov, D. V. (2012). Structure-forming corals and sponges and their use as fish habitat in Bering Sea submarine canyons. *PLoS ONE* 7:e33885. doi: 10.1371/journal.pone.0033885
- Rooper, C., Smeltz, S., Harris, B., Olson, J., and Sigler, M. (2016). *Fishing Effort in Predicted Coral Habitat in the Eastern Bering Sea*. Report to the North Pacific Fishery Management Council.
- Rooper, C. N., Sigler, M., Goddard, P., Malecha, P., Towler, R., Williams, K., et al. (2015). *Validation of Models of the Distribution of Structure-Forming Invertebrates in the Eastern Bering Sea Using an Underwater Stereo Camera*. Report to the North Pacific Fishery Management Council.
- Rooper, C. N., Sigler, M. F., Goddard, P., Malecha, P., Towler, R., Williams, K., et al. (2016). Validation and improvement of species distribution models for structure-forming invertebrates in the eastern Bering Sea with an independent survey. *Mar. Ecol. Prog. Ser.* 551, 117–130. doi: 10.3354/meps11703
- Sigler, M. F., Rooper, C. N., Huff, G. R., Stone, R. P., McConnaughey, R. A., and Wilderbuer, T. K. (2015). Faunal features of submarine canyons on the eastern Bering Sea slope. *Mar. Ecol. Prog. Ser.* 526, 21–40. doi: 10.3354/meps11201
- Stone, R. P. (2006). Coral habitat in the Aleutian Islands of Alaska: depth distribution, fine-scale species associations, and fisheries interactions. *Coral Reefs* 25, 229–238. doi: 10.1007/s00338-006-0091-z
- Vetter, E. W., and Dayton, P. K. (1998). Macrofaunal communities within and adjacent to a detritus-rich submarine canyon system. *Deep Sea Res. II* 45, 25–54.

Conflict of Interest Statement: The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest.

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