

Annotated bibliography for *shellfish habitat* compiled and summarized by The Pew Charitable Trusts

Breitburg, D. L., Coen, L. D., Luckenbach, M., Mann, R. L., Posey, M., & Wesson, J. A. (2000). Oyster reef restoration: convergence of harvest and conservation strategies. *Journal of Shellfish Research*, 19(1), 371. Retrieved from:

<https://scholarworks.wm.edu/cgi/viewcontent.cgi?article=1484&context=vimsarticles>

- This article argues that the incentives of fisheries and conservatories can be aligned when it comes to conserving and restoring oyster reefs. Oyster reefs provide habitats to many popular commercial fish, thus ensuring the safety of the habitat ensures a supply of said fish.

Grabowski, J. H., & Peterson, C. H. (2007). Restoring oyster reefs to recover ecosystem services. *Ecosystem engineers: plants to protists*, 4, 281-298. Retrieved from:

<https://www.fws.gov/doiddata/dwh-ar-documents/1187/DWH-AR0005495.pdf>

- This article discusses how to quantify the economic value of each of the ecosystem services provided by oyster reefs to compare the value of harvesting oysters in a traditional fishery to the monetary value of providing other oyster reef services.

Beck, M. W., Brumbaugh, R. D., Airoidi, L., Carranza, A., Coen, L. D., Crawford, C., ... & Lenihan, H. S. (2011). Oyster reefs at risk and recommendations for conservation, restoration, and management. *Bioscience*, 61(2), 107-116. Retrieved from:

<https://academic.oup.com/bioscience/article/61/2/107/242615>

- The article discusses cost-effective solutions for conservation, restoration, and the management of fisheries and nonnative species that could reverse oyster losses and restore reef ecosystem services.

Beck, M. W., Marsh, T. D., Reisewitz, S. E., & Bortman, M. L. (2004). New tools for marine conservation: the leasing and ownership of submerged lands. *Conservation Biology*, 18(5), 1214-1223. Retrieved from: <http://faculty.washington.edu/stevehar/Leasing.pdf>

- The article explores the leasing and ownership of submerged lands as tools for marine conservation and provide examples of the implementation of these tools from The Nature Conservancy's work in Texas, Washington, and New York.

Brumbaugh, R. D., Beck, M. W., Coen, L. D., Craig, L., & Hicks, P. (2006). A practitioners' guide to the design & monitoring of shellfish restoration projects: an ecosystem services approach. The Nature Conservancy. Arlington, VA. MRD Educational Report No. 22:28pp. Retrieved from: http://www.oyster-restoration.org/wp-content/uploads/2012/06/tnc_noaa.pdf

- This guide provides advice on making the case for shellfish restoration, identifying candidate species and an appropriate restoration strategy (or strategies), choosing sites for restoration projects, monitoring project outcomes, creating effective partnerships for restoration projects.

Seaman, W. (2007). Artificial habitats and the restoration of degraded marine ecosystems and fisheries. In *Biodiversity in Enclosed Seas and Artificial Marine Habitats* (pp. 143-155). Springer, Dordrecht.

Retrieved from:

https://www.researchgate.net/profile/Arvind_Singh56/post/Marine_habitat_restoration_methods/attachment/5aaf3c95b53d2f0bba58d387/AS%3A605751202549760%401521433749247/download/Seaman-Hydrobiologia2007.pdf

- Article contains a case study of the how artificial oyster reef are being used in the Chesapeake Bay to restore water quality and seagrass.

LoBue, C., & Udelhoven, J. (2013). Private ownership of underwater lands in Great South Bay, New York: a case study in degradation, restoration and protection. *Marine Policy*, 41, 103-109. Retrieved from: <https://www.sciencedirect.com/science/article/pii/S0308597X1200262X>

- Case study of how The Nature Conservancy bought the property rights to The Great South Bay Marine Conservation Area enabling the organization to take actions to restore and protect the conservation area and also create interest and momentum within the local community for better planning and management for surrounding areas.

Coen, L. D. (2008). Managing oysters in South Carolina: a five-year program to enhance/restore shellfish stocks and reef habitats through shell planting and technology improvements. *South Carolina State Documents Depository*. Retrieved from:

https://dc.statelibrary.sc.gov/bitstream/handle/10827/30176/DNR_Managing_Oysters_in_SC_2008-10.pdf?sequence=1&isAllowed=y

- Report by the South Carolina Department of Natural Resources on their efforts to restore oyster reefs through shell planting, the effect of these efforts, and recommendations to enhance these efforts.