

## Supporting Information

Table S1. Summary of the search for scientific articles about shifting baseline syndrome. The table shows the three criteria for grouping the scientific publications included in the review. The criteria (1) indicates publications that develop the issue beyond only mentioning; criteria (2) indicates publications that deliver social information about a biological variable and; criteria (3) indicates publications that deliver quantitative information of both biological and social data in order to evaluate them through a meta-analysis. Bold and underlined scientific articles indicates those included in the meta-analysis.

| Author                                                                                                                                                                                                                                                                                                                                | (1) | (2) | (3) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| <b><u>Ainsworth, C. H., T. J. Pitcher, and C. Rotinsulu. 2008. Evidence of fishery depletions and shifting cognitive baselines in Eastern Indonesia. <i>Biological Conservation</i> 141: 848–859. doi:10.1016/j.biocon.2008.01.006.</u></b>                                                                                           | YES | YES | YES |
| Al-Abdulrazzak, D., R. Naidoo, M. L. D. Palomares, and D. Pauly. 2012. Gaining perspective on what we've lost: The reliability of encoded anecdotes in historical ecology. <i>PLoS ONE</i> 7: 1–5. doi:10.1371/journal.pone.0043386.                                                                                                  | YES | YES | NO  |
| Alagona, P. S., J. Sandlos, and Y. F. Wiersma. 2012. Past Imperfect: Using Historical Ecology and Baseline Data for Conservation and Restoration Projects in North America. <i>Environmental Philosophy</i> 9: 49–70. doi:10.5840/envirophil2012914.                                                                                  | YES | NO  | NO  |
| Alexander, K., W. B. Leavenworth, S. Claesson, and W. J. Bolster. 2011. Catch Density: A new approach to Shifting Baselines, stock assessment, and ecosystem-based management. <i>Bulletin of Marine Science</i> 87: 213–234. doi:10.5343/bms.2010.1063.                                                                              | YES | NO  | NO  |
| Alfonso, A., F. Zorondo-Rodríguez, and J. A. Simonetti. 2016. Perceived changes in environmental degradation and loss of ecosystem services, and their implications in human well-being. <i>International Journal of Sustainable Development &amp; World Ecology</i> 4509. Taylor & Francis: 1–14. doi:10.1080/13504509.2016.1255674. | YES | YES | NO  |
| Alleway, H. K., and S. D. Connell. 2015. Loss of an ecological baseline through the eradication of oyster reefs from coastal ecosystems and human memory. <i>Conservation Biology</i> 29: 795–804. doi:10.1111/cobi.12452.                                                                                                            | YES | NO  | NO  |
| Arlinghaus, R., and T. Mehner. 2003. Toward ecosystem-based fisheries management: strategies for multispecies modeling and associated data requirements. <i>Fisheries</i> 28(6): 10–17. doi:10.1577/1548-8446(2003)28.                                                                                                                | YES | YES | NO  |
| Arseneau, K. M. A., C. T. Driscoll, C. M. Cummings, G. Pope, and B. F. Cumming. 2016. Adirondack (NY, USA) reference lakes show a pronounced shift in chrysophyte species composition since ca. 1900. <i>Journal of Paleolimnology</i> 56. Springer Netherlands: 349–364. doi:10.1007/s10933-016-9922-2.                              | YES | NO  | NO  |
| Baisre, J. A. 2013. Shifting baselines and the extinction of the caribbean monk seal. <i>Conservation Biology</i> 27: 927–935. doi:10.1111/cobi.12107.                                                                                                                                                                                | YES | YES | NO  |

| Author                                                                                                                                                                                                                                                                                                                          | (1) | (2) | (3) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Balaguer, L., A. Escudero, J. F. Martín-Duque, I. Mola, and J. Aronson. 2014. The historical reference in restoration ecology: Re-defining a cornerstone concept. <i>Biological Conservation</i> 176. Elsevier Ltd: 12–20. doi:10.1016/j.biocon.2014.05.007.                                                                    | YES | NO  | NO  |
| Ball, M. a, B. F. Noble, and M. G. Dubé. 2012. Valued ecosystem components for watershed cumulative effects: an analysis of environmental impact assessments in the South Saskatchewan River watershed, Canada. <i>Integrated Environmental Assessment and Management</i> 9: 469–79. doi:10.1002/ieam.1333.                     | YES | NO  | NO  |
| Balmford, A. 2017. On positive shifting baselines and the importance of optimism. <i>Oryx</i> 51: 191–192. doi:10.1017/S0030605317000096.                                                                                                                                                                                       | YES | NO  | NO  |
| Baum, J. K., and R. a. Myers. 2004. Shifting baselines and the decline of pelagic sharks in the Gulf of Mexico. <i>Ecology Letters</i> 7: 135–145. doi:10.1111/j.1461-0248.2003.00564.x.                                                                                                                                        | YES | NO  | NO  |
| Bellquist, L., B. Semmens, S. Stohs, and A. Siddall. 2017. Impacts of recently implemented recreational fisheries regulations on the Commercial Passenger Fishing Vessel fishery for Paralabrax sp. in California. <i>Marine Policy</i> 86. Elsevier Ltd: 134–143. doi:10.1016/j.marpol.2017.09.017.                            | YES | YES | NO  |
| Bellwood, D. R., T. P. Hughes, C. Folke, and M. Nyström. 2004. Confronting the coral reef crisis. <i>Nature</i> 429: 827–833. doi:10.1038/nature02691.                                                                                                                                                                          | YES | NO  | NO  |
| <b><u>Bender, M. G., S. R. Floeter, and N. Hanazaki. 2013. Do traditional fishers recognise reef fish species declines? Shifting environmental baselines in Eastern Brazil. <i>Fisheries Management and Ecology</i> 20: 58–67. doi:10.1111/fme.12006.</u></b>                                                                   | YES | YES | YES |
| Bender, M. G., G. R. Machado, P. J. D. A. Silva, S. R. Floeter, C. Monteiro-Netto, O. J. Luiz, and C. E. L. Ferreira. 2014. Local Ecological Knowledge and Scientific Data Reveal Overexploitation by Multigear Artisanal Fisheries in the Southwestern Atlantic. <i>PLoS ONE</i> 9: e110332. doi:10.1371/journal.pone.0110332. | YES | YES | NO  |
| Bischof, B. 2017. Focusing our resolve in coastal systems: ECSA 55 as a vehicle for better understanding shifting baselines in a rapidly-changing world. <i>Ocean and Coastal Management</i> 143: 1–3. doi:10.1016/j.ocecoaman.2017.03.026.                                                                                     | YES | NO  | NO  |
| Bohnsack, J. a. 2003. Shifting Baselines, Marine Reserves, And Leopold's Biotic Ethic. <i>Gulf of the Caribbean Research</i> 14: 1–7.                                                                                                                                                                                           | YES | NO  | NO  |
| Bonebrake, T. C., J. Christensen, C. L. Boggs, and P. R. Ehrlich. 2010. Population decline assessment, historical baselines, and conservation. <i>Conservation Letters</i> 3: 371–378. doi:10.1111/j.1755-263X.2010.00139.x.                                                                                                    | YES | NO  | NO  |
| Bornmann, L. 2013. The problem of citation impact assessments for recent publication years in institutional evaluations. <i>Journal of Informetrics</i> 7. Elsevier Ltd: 722–729. doi:10.1016/j.joi.2013.05.002.                                                                                                                | YES | NO  | NO  |

| Author                                                                                                                                                                                                                                                                                                                                     | (1) | (2) | (3) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Brierley, G. J., and K. A. Fryirs. 2016. Assessing hydromorphological and floristic patterns along a regulated Mediterranean river: The Serpis River (Spain). <i>River Research and Applications</i> 32: 823–835. doi:10.1002/rra.                                                                                                         | YES | NO  | NO  |
| Brown, C. J., and R. Trebilco. 2014. Unintended cultivation, shifting baselines, and conflict between objectives for fisheries and conservation. <i>Conservation Biology</i> 28: 677–688. doi:10.1111/cobi.12267.                                                                                                                          | YES | NO  | NO  |
| Buckley, S. M., R. H. Thurstan, A. Tobin, and J. M. Pandolfi. 2017. Historical spatial reconstruction of a spawning-aggregation fishery. <i>Conservation Biology</i> 31: 1322–1332. doi:10.1111/cobi.12940.                                                                                                                                | YES | NO  | NO  |
| <b><u>Bunce, M., L. D. Rodwell, R. Gibb, and L. Mee. 2008. Shifting baselines in fishers' perceptions of island reef fishery degradation. <i>Ocean and Coastal Management</i> 51: 285–302. doi:10.1016/j.ocecoaman.2007.09.006.</u></b>                                                                                                    | YES | YES | YES |
| Bush, M. B., A. Restrepo, and A. F. Collins. 2014. Galápagos History, Restoration, and a Shifted Baseline. <i>Restoration Ecology</i> 22: 296–298. doi:10.1111/rec.12080.                                                                                                                                                                  | YES | YES | NO  |
| Carneiro, G. 2013. Evaluation of marine spatial planning. <i>Marine Policy</i> 37: 214–229. doi:10.1016/j.marpol.2012.05.003.                                                                                                                                                                                                              | YES | NO  | NO  |
| Caro, T., J. Darwin, T. Forrester, C. Ledoux-Bloom, and C. Wells. 2011. Conservation in the Anthropocene. <i>Conservation Biology</i> 26: 185–188. doi:10.1111/j.1523-1739.2011.01752.x.                                                                                                                                                   | YES | NO  | NO  |
| Casey, M. M., G. P. Dietl, D. M. Post, and D. E. G. Briggs. 2014. The impact of eutrophication and commercial fishing on molluscan communities in Long Island Sound, USA. <i>Biological Conservation</i> 170. Elsevier Ltd: 137–144. doi:10.1016/j.biocon.2013.12.037.                                                                     | YES | NO  | NO  |
| Clavero, M. 2014. Shifting Baselines and the Conservation of Non-Native Species. <i>Conservation Biology</i> 28: 1434–1436. doi:10.1111/cobi.12266.                                                                                                                                                                                        | YES | NO  | NO  |
| <b><u>Coll, M., M. Carreras, C. Ciércoles, M. J. Cornax, G. Gorelli, E. Morote, and R. Sáez. 2014. Assessing fishing and marine biodiversity changes using fishers' perceptions: The Spanish Mediterranean and Gulf of Cadiz case study. <i>PLoS ONE</i> 9. doi:10.1371/journal.pone.0085670.</u></b>                                      | YES | YES | YES |
| Compton, T. J., S. Holthuijsen, M. Mulder, M. van Arkel, L. K. Schaars, A. Koolhaas, A. Dekinga, J. ten Horn, et al. 2017. Shifting baselines in the Ems Dollard estuary: A comparison across three decades reveals changing benthic communities. <i>Journal of Sea Research</i> 127. Elsevier: 119–132. doi:10.1016/j.seares.2017.06.014. | YES | NO  | NO  |
| Connell, S. D., B. D. Russell, D. J. Turner, S. a. Shepherd, T. Kildea, D. Miller, L. Airoidi, and A. Cheshire. 2008. Recovering a lost baseline: Missing kelp forests from a metropolitan coast. <i>Marine Ecology Progress Series</i> 360: 63–72. doi:10.3354/meps07526.                                                                 | YES | NO  | NO  |

Continue Table S1

| Author                                                                                                                                                                                                                                                                                                    | (1) | (2) | (3) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| D'Eon-Eggertson, F., N. K. Dulvy, and R. M. Peterman. 2014. Reliable Identification of Declining Populations in an Uncertain World. <i>Conservation Letters</i> 8: 86–96. doi:10.1111/conl.12123.                                                                                                         | YES | YES | NO  |
| Daw, T. M. 2010. Shifting baselines and memory illusions: What should we worry about when inferring trends from resource user interviews? <i>Animal Conservation</i> 13: 534–535. doi:10.1111/j.1469-1795.2010.00418.x.                                                                                   | YES | NO  | NO  |
| Di Marco, M., L. Boitani, D. Mallon, M. Hoffmann, A. Iacucci, E. Meijaard, P. Visconti, J. Schipper, et al. 2014. A Retrospective evaluation of the global decline of carnivores and ungulates. <i>Conservation Biology</i> 28: 1109–1118. doi:10.1111/cobi.12249.                                        | YES | NO  | NO  |
| Dietl, G. P., and J. A. Smith. 2017. Live-dead analysis reveals long-term response of the estuarine bivalve community to water diversions along the Colorado River. <i>Ecological Engineering</i> 106. Elsevier B.V.: 749–756. doi:10.1016/j.ecoleng.2016.09.013.                                         | YES | NO  | NO  |
| Dornelas, M., A. E. Magurran, S. T. Buckland, A. Chao, R. L. Chazdon, R. K. Colwell, T. Curtis, K. J. Gaston, et al. 2013. Quantifying temporal change in biodiversity: challenges and opportunities. <i>Proceedings of The Royal Society. Biological sciences</i> 280: 1–10. doi:10.1098/rspb.2012.1931. | YES | NO  | NO  |
| Drew, J., and L. Kaufman. 2013. Functional endemism: Population connectivity, shifting baselines, and the scale of human experience. <i>Ecology and Evolution</i> 3: 450–456. doi:10.1002/ece3.446.                                                                                                       | YES | NO  | NO  |
| Drew, J., C. Philipp, and M. W. Westneat. 2013. Shark Tooth Weapons from the 19th Century Reflect Shifting Baselines in Central Pacific Predator Assemblies. <i>PLoS ONE</i> 8: 1–7. doi:10.1371/journal.pone.0059855.                                                                                    | YES | NO  | NO  |
| Drew, J., E. H. López, L. Gill, M. McKeon, N. Miller, M. Steinberg, C. Shen, and L. McClenachan. 2016. Collateral damage to marine and terrestrial ecosystems from Yankee whaling in the 19th century. <i>Ecology and Evolution</i> 6: 8181–8192. doi:10.1002/ece3.2542.                                  | YES | YES | NO  |
| Drew, J. a, C. L. Buxman, D. D. Holmes, J. L. Mandecki, A. J. Mungkaje, A. C. Richardson, and M. W. Westneat. 2012. Biodiversity Inventories and Conservation of the Marine Fishes of Bootless Bay, Papua New Guinea. <i>BMC Ecology</i> 12. BMC Ecology: 15. doi:10.1186/1472-6785-12-15.                | YES | NO  | NO  |
| Duarte, C. M., D. J. Conley, J. Carstensen, and M. Sánchez-Camacho. 2009. Return to Neverland: Shifting baselines affect eutrophication restoration targets. <i>Estuaries and Coasts</i> 32: 29–36. doi:10.1007/s12237-008-9111-2.                                                                        | YES | NO  | NO  |
| Duenn, P., M. Salpeteur, and V. Reyes-Garcia. 2017. Rabari shepherds and the mad tree: the dynamics of local ecological knowledge in the context of <i>Prosopis juliflora</i> invasion in Gujarat, India. <i>Journal of Ethnobiology</i> 37: 561–580.                                                     | YES | NO  | NO  |

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| Author                                                                                                                                                                                                                                                                                                                                                             | (1) | (2) | (3) |
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| Dunwiddie, P. W., E. R. Alverson, R. A. Martin, and R. Gilbert. 2014. Annual species in native prairies of South Puget Sound, Washington. <i>Northwest Science</i> 88: 94–105. doi:10.3955/046.088.0205.                                                                                                                                                           | YES | NO  | NO  |
| Eddy, T. D., W. W. Cheung, and J. F. Bruno. 2018. Historical baselines of coral cover on tropical reefs as estimated by expert opinion. <i>PeerJ</i> , 6, e4308.                                                                                                                                                                                                   | YES | YES | NO  |
| Engelhard, G. H., R. H. Thurstan, B. R. Mackenzie, H. K. Alleway, R. C. A. Bannister, M. Cardinale, M. W. Clarke, J. C. Currie, et al. 2016. Marine Science. <i>ICES Journal of Marine Science</i> 73: 1386–1403.                                                                                                                                                  | YES | NO  | NO  |
| Erauskin-Extramiana, M., S. Z. Herzka, G. Hinojosa-Arango, and O. Aburto-Oropeza. 2017. An interdisciplinary approach to evaluate the status of large-bodied Serranid fisheries: The case of Magdalena-Almejas Bay lagoon complex, Baja California Sur, Mexico. <i>Ocean and Coastal Management</i> 145. Elsevier Ltd: 21–34. doi:10.1016/j.ocecoaman.2017.05.005. | YES | YES | NO  |
| Fernández-Llamazares, A., I. Díaz-Reviriego, A. C. Luz, M. Cabeza, A. Pyhälä, and V. Reyes-García. 2015. Rapid ecosystem change challenges the adaptive capacity of local environmental knowledge. <i>Global Environmental Change</i> 31: 272–284. doi:10.1016/j.gloenvcha.2015.02.001.                                                                            | YES | YES | NO  |
| Forbes, C. J., L. Gillson, and M. T. Hoffman. 2018. Shifting baselines in a changing world: Identifying management targets in endangered heathlands of the Cape Floristic Region, South Africa. <i>Anthropocene</i> 22, 81–93.                                                                                                                                     | YES | YES | NO  |
| Fortibuoni, T., D. Borme, G. Franceschini, O. Giovanardi, and S. Raicevich. 2016. Common, rare or extirpated? Shifting baselines for common angelshark, <i>Squatina squatina</i> (Elasmobranchii: Squatinidae), in the Northern Adriatic Sea (Mediterranean Sea). <i>Hydrobiologia</i> 772: 247–259. doi:10.1007/s10750-016-2671-4.                                | YES | YES | NO  |
| Franquesa-Soler, M., and J. C. Serio-Silva. 2017. Through the eyes of children: Drawings as an evaluation tool for children's understanding about endangered Mexican primates. <i>American Journal of Primatology</i> : 1–12. doi:10.1002/ajp.22723.                                                                                                               | YES | YES | NO  |
| Frezza, P. E., and S. E. Clem. 2015. Using local fishers' knowledge to characterize historical trends in the Florida Bay bonefish population and fishery. <i>Environmental Biology of Fishes</i> 98: 2187–2202. doi:10.1007/s10641-015-0442-0.                                                                                                                     | YES | YES | NO  |
| Friedlander, A. M., and E. E. DeMartini. 2002. Contrasts in density, size, and biomass of reef fishes between the northwestern and the main Hawaiian islands: The effects of fishing down apex predators. <i>Marine Ecology Progress Series</i> 230: 253–264. doi:10.3354/meps230253.                                                                              | YES | NO  | NO  |
| Gallant, D., L. Y. Gauvin, D. Berteaux, and N. Lecomte. 2016. The importance of data mining for conservation science: a case study on the wolverine. <i>Biodiversity and Conservation</i> 25. Springer Netherlands: 2629–2639. doi:10.1007/s10531-016-1188-5.                                                                                                      | YES | NO  | NO  |

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| Author                                                                                                                                                                                                                                                                                                                                              | (1) | (2) | (3) |
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| Garrabou, J., E. Sala, C. Linares, J. B. Ledoux, I. Montero-Serra, J. M. Dominici, S. Kipson, N. Teixidó, E. Cebrian, D. K. Kersting, and J. G. Harmelin. 2017. Re-shifting the ecological baseline for the overexploited Mediterranean red coral. <i>Scientific Reports</i> 7: 42404.                                                              | YES | NO  | NO  |
| Gatti, G., C. N. Bianchi, V. Parravicini, A. Rovere, A. Peirano, M. Montefalcone, F. Massa, and C. Morri. 2015. Ecological change, sliding baselines and the importance of historical data: Lessons from combing observational and quantitative data on a temperate reef over 70 years. <i>PLoS ONE</i> 10: 1–20. doi:10.1371/journal.pone.0118581. | YES | NO  | NO  |
| Gerritsen, J., R. W. Bouchard Jr, L. Zheng, E. W. Leppo, and C. O. Yoder. 2017. Calibration of the biological condition gradient in Minnesota streams: a quantitative expert-based decision system. <i>Freshwater Science</i> , 36(2), 427-451.                                                                                                     | YES | NO  | NO  |
| Giglio, V. J., O. J. Luiz, and L. C. Gerhardinger. 2015. Depletion of marine megafauna and shifting baselines among artisanal fishers in eastern Brazil. <i>Animal Conservation</i> 18: 348–358. doi:10.1111/acv.12178.                                                                                                                             | YES | YES | NO  |
| Giglio, V. J., M. G. Bender, C. Zapelini, C. E. L. Ferreira. 2017. The end of the line? Rapid depletion of large-sized grouper through spearfishing in a subtropical marginal reef. <i>Perspectives in Ecology and Conservation</i> 15(2017): 115-118.                                                                                              | YES | YES | NO  |
| Goatley, C. H. R., A. S. Hoey, and D. R. Bellwood. 2012. The role of turtles as coral reef macroherbivores. <i>PLoS ONE</i> 7. doi:10.1371/journal.pone.0039979.                                                                                                                                                                                    | YES | NO  | NO  |
| <b>Godoy, N., S. Gelcich, J. A. Vásquez, and J. C. Castilla. 2010. Spearfishing to depletion : evidence from temperate reef fishes in Chile from temperate reef fishes in Chile to Spearfishing depletion : <i>Ecological Applications</i> 20: 1504–1511. doi:10.1890/09-1806.1.</b>                                                                | YES | YES | YES |
| Greenstein, B. J., H. A. Curran, and J. M. Pandolfi. 1998. Shifting ecological baselines and the demise of <i>Acropora cervicornis</i> in the western North Atlantic and Caribbean Province: A Pleistocene perspective. <i>Coral Reefs</i> 17: 249–261. doi:10.1007/s003380050125.                                                                  | YES | NO  | NO  |
| Guénette, S., and D. Gascuel. 2012. Shifting baselines in European fisheries: The case of the Celtic Sea and Bay of Biscay. <i>Ocean and Coastal Management</i> 70: 10–21. doi:10.1016/j.ocecoaman.2012.06.010.                                                                                                                                     | YES | NO  | NO  |
| Hanazaki, N., D. F. Herbst, M. S. Marques, and I. Vandeboek. 2013. Evidence of the shifting baseline syndrome in ethnobotanical research. <i>Journal of Ethnobiology and Ethnomedicine</i> 9: 75. doi:10.1186/1746-4269-9-75.                                                                                                                       | YES | YES | NO  |
| Handley, S. J., T. J. Willis, R. G. Cole, A. Bradley, D. J. Cairney, S. N. Brown, and M. E. Carter. 2014. The importance of benchmarking habitat structure and composition for understanding the extent of fishing impacts in soft sediment ecosystems. <i>Journal of Sea Research</i> 86. Elsevier B.V.: 58–68. doi:10.1016/j.seares.2013.11.005.  | YES | NO  | NO  |

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| Author                                                                                                                                                                                                                                                                                | (1) | (2) | (3) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Heithaus, M. R., A. Frid, A. J. Wirsing, L. Bejder, and L. M. Dill. 2005. Biology of sea turtles under risk from tiger sharks at a foraging ground. <i>Marine Ecology Progress Series</i> 288: 285–294. doi:10.3354/meps288285.                                                       | YES | NO  | NO  |
| Hodgson, G. 1999. A Global Assessment of Human Effects on Coral Reefs. <i>Marine Pollution Bulletin</i> 38: 345–355.                                                                                                                                                                  | YES | NO  | NO  |
| Huber, P. R., S. E. Greco, and J. H. Thorne. 2010. Boundaries make a difference: The effects of spatial and temporal parameters on conservation planning. <i>Professional Geographer</i> 62: 409–425. doi:10.1080/00330121003788309.                                                  | YES | NO  | NO  |
| Huitric, M. 2005. Lobster and Conch fisheries of Belize: A history of sequential exploitation. <i>Ecology and Society</i> 10. doi:21.                                                                                                                                                 | YES | YES | NO  |
| Humphries, P., and K. O. Winemiller. 2009. Historical Impacts on River Fauna, Shifting Baselines, and Challenges for Restoration. <i>BioScience</i> 59: 673–684. doi:10.1525/bio.2009.59.8.9.                                                                                         | YES | YES | NO  |
| Izzo, C., Z. A. Doubleday, G. L. Grammer, K. L. Gilmore, H. K. Alleway, T. C. Barnes, M. C. F. Disspain, A. J. Giraldo, et al. 2016. Fish as proxies of ecological and environmental change. <i>Reviews in Fish Biology and Fisheries</i> 26: 265–286. doi:10.1007/s11160-016-9424-3. | YES | NO  | NO  |
| Jabado, R. W., S. M. Al Ghais, W. Hamza, and A. C. Henderson. 2014. The shark fishery in the United Arab Emirates: An interview based approach to assess the status of sharks. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> 25: 800–816. doi:10.1002/aqc.2477.       | YES | NO  | NO  |
| Jachowski, D. S., D. C. Kesler, D. a. Steen, and J. R. Walters. 2015. Redefining baselines in endangered species recovery. <i>The Journal of Wildlife Management</i> 79: 3–9. doi:10.1002/jwmg.800.                                                                                   | YES | NO  | NO  |
| Jackson, J. B. C. 1997. Reefs since Columbus. <i>Coral Reefs</i> : S23–S32. doi:10.1007/s003380050238.                                                                                                                                                                                | YES | NO  | NO  |
| Jackson, J. B. C. 2001. Historical Overfishing and the Recent Collapse of Coastal Ecosystems. <i>Science</i> 293: 629–637. doi:10.1126/science.1059199.                                                                                                                               | YES | YES | NO  |
| Kai, Z., T. S. Woan, L. Jie, E. Goodale, K. Kitajima, R. Bagchi, and R. D. Harrison. 2014. Shifting baselines on a tropical forest frontier: extirpations drive declines in local ecological knowledge. <i>PloS one</i> 9: e86598. doi:10.1371/journal.pone.0086598.                  | YES | YES | NO  |
| Katikiro, R. E. 2014. Perceptions on the shifting baseline among coastal fishers of Tanga, Northeast Tanzania. <i>Ocean and Coastal Management</i> 91. Elsevier Ltd: 23–31. doi:10.1016/j.ocecoaman.2014.01.009.                                                                      | YES | YES | NO  |
| Keiner, C. 2013. How scientific does marine environmental history need to be? <i>Environmental History</i> 18: 111–120. doi:10.1093/envhis/ems109.                                                                                                                                    | YES | NO  | NO  |

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| Author                                                                                                                                                                                                                                                              | (1) | (2) | (3) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Kenyon, J. C., M. J. Dunlap, and G. S. Aeby. 2008. Community structure of hermatypic corals at kure atoll in the Northwestern Hawaiian Islands: Stemming the shifting baseline. <i>Atoll Research Bulletin</i> : 1–25.                                              | YES | NO  | NO  |
| Kerby, T. K., W. W. L. Cheung, and G. H. Engelhard. 2012. The United Kingdom's role in North Sea demersal fisheries: A hundred year perspective. <i>Reviews in Fish Biology and Fisheries</i> 22: 621–634. doi:10.1007/s11160-012-9261-y.                           | YES | NO  | NO  |
| Kittinger, J. N. 2013. Participatory Fishing Community Assessments to Support Coral Reef Fisheries Comanagement. <i>Pacific Science</i> 67: 361–381. doi:10.2984/67.3.5.                                                                                            | YES | YES | NO  |
| Knowlton, N., and J. B. C. Jackson. 2008. Shifting baselines, local impacts, and global change on coral reefs. <i>PLoS biology</i> 6. Public Library of Science: e54.                                                                                               | YES | NO  | NO  |
| Köster, D., J. Lichter, P. D. Lea, and A. Nurse. 2007. Historical eutrophication in a river-estuary complex in mid-coast Maine. <i>Ecological Applications</i> 17: 765–778. doi:10.1890/06-0815.                                                                    | YES | NO  | NO  |
| Kuemmerle, T., T. Hickler, J. Olofsson, G. Schurgers, and V. C. Radeloff. 2012. Refugee species: Which historic baseline should inform conservation planning? <i>Diversity and Distributions</i> 18: 1258–1261. doi:10.1111/ddi.12013.                              | YES | NO  | NO  |
| Lam, M. E. 2012. Of fish and fishermen: Shifting societal baselines to reduce environmental harm in fisheries. <i>Ecology and Society</i> 17. doi:10.5751/ES-05113-170418.                                                                                          | YES | NO  | NO  |
| Leeney, R. H., and N. Downing. 2016. Sawfishes in The Gambia and Senegal - shifting baselines over 40years. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> 26: 265–278. doi:10.1002/aqc.2545.                                                        | YES | YES | NO  |
| Lindenmayer, D. B., and W. F. Laurance. 2012. A history of hubris - Cautionary lessons in ecologically sustainable forest management. <i>Biological Conservation</i> 151: 11–16. doi:10.1016/j.biocon.2011.10.032.                                                  | YES | NO  | NO  |
| Lotze, H., and I. Milewski. 2004. Two centuries of multiple human impacts and successive changes in a North Atlantic food web. <i>Journal of Ecological Society of America</i> 14: 1428–1447. doi:10.1890/03-5027.                                                  | YES | YES | NO  |
| Lozano-Montes, H. M., T. J. Pitcher, and N. Haggan. 2008. Shifting environmental and cognitive baselines in the upper Gulf of California. <i>Frontiers in Ecology and the Environment</i> 6: 75–80. doi:10.1890/070056.                                             | YES | YES | NO  |
| Lukasiewicz, A., P. Davidson, G. J. Syme, and K. H. Bowmer. 2013. How the social construction of the environment affects people's reactions to water policy. <i>Australasian Journal of Environmental Management</i> 20: 179–192. doi:10.1080/14486563.2013.816641. | YES | NO  | NO  |

Continue Table S1

| Author                                                                                                                                                                                                                                                                                                                                                       | (1) | (2) | (3) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Lyver, P. O. B. ., P. . Timoti, C. J. . Jones, S. J. . Richardson, B. L. . Tahi, and S. . Greenhalgh. 2017. An indigenous community-based monitoring system for assessing forest health in New Zealand. <i>Biodiversity and Conservation</i> 26. Springer Netherlands: 1–30. doi:10.1007/s10531-016-1142-6.                                                  | YES | YES | NO  |
| Lyytimäki, J. 2013. Nature’s nocturnal services: Light pollution as a non-recognised challenge for ecosystem services research and management. <i>Ecosystem Services</i> 3: 44–48. doi:10.1016/j.ecoser.2012.12.001.                                                                                                                                         | YES | NO  | NO  |
| Maia, H. A., R. A. Morais, A. C. Siqueira, N. Hanazaki, S. R. Floeter, M. G. Bender. 2018. Shifting baselines among traditional fishers in São Tomé and Príncipe islands, Gulf of Guinea. <i>Ocean and Coastal Management</i> 154: 133-142.                                                                                                                  | YES | YES | NO  |
| Manning, A. D., D. B. Lindenmayer, and J. Fischer. 2006. Stretch goals and backcasting: Approaches for overcoming barriers to large-scale ecological restoration. <i>Restoration Ecology</i> 14: 487–492. doi:10.1111/j.1526-100X.2006.00159.x.                                                                                                              | YES | NO  | NO  |
| Mata-Lara, M., J. R. Garza-Pérez, A. Aranda-Fragoso, and P. S. A. de Almeida. 2018. Social alienation and environmental decline in a coral reef: Challenges to coastal management in the Mexican Caribbean. <i>Ocean &amp; Coastal Management</i> 155, 30-39.                                                                                                | YES | YES | NO  |
| McClenachan, L. 2009. Documenting loss of large trophy fish from the florida keys with historical photographs. <i>Conservation Biology</i> 23: 636–643. doi:10.1111/j.1523-1739.2008.01152.x.                                                                                                                                                                | YES | YES | NO  |
| McClenachan, L., S. Lovell, and C. Keaveney. 2015. Social benefits of restoring historical ecosystems and fisheries: Alewives in Maine. <i>Ecology and Society</i> 20. doi:10.5751/ES-07585-200231.                                                                                                                                                          | YES | YES | NO  |
| McClenachan, L., G. O’Connor, B. P. Neal, J. M. Pandolfi, and J. B. C. Jackson. 2017. Ghost reefs: Nautical charts document large spatial scale of coral reef loss over 240 years. <i>Science Advances</i> 3: 1–8. doi:10.1126/sciadv.1603155.                                                                                                               | YES | YES | NO  |
| McGregor, A. M. 2014. Using Ecopath Modeling to Describe Historical Conditions for a Large, Boreal Lake Ecosystem prior to European Settlement. <i>North American Journal of Fisheries Management</i> 34: 16–29. doi:10.1080/02755947.2013.833559.                                                                                                           | YES | NO  | NO  |
| Myers, R. a, and B. Worm. 2005. Extinction, survival or recovery of large predatory fishes. <i>Philosophical Transactions of the Royal Society of London. Series B, Biological sciences</i> 360: 13–20. doi:10.1098/rstb.2004.1573.                                                                                                                          | YES | NO  | NO  |
| Newsome, S. D., M. a Etnier, D. Gifford-Gonzalez, D. L. Phillips, M. van Tuinen, E. a Hadly, D. P. Costa, D. J. Kennett, et al. 2007. The shifting baseline of northern fur seal ecology in the northeast Pacific Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 104: 9709–9714. doi:10.1073/pnas.0610986104. | YES | NO  | NO  |

Continue Table S1

| Author                                                                                                                                                                                                                                                                                                                                              | (1) | (2) | (3) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Nickerson, M. A., and A. L. Pitt. 2012. Historical turtle population decline and community changes in an Ozark River. <i>Bulletin of the Florida Museum of Natural History</i> 51: 217–278.                                                                                                                                                         | YES | NO  | NO  |
| Obst, M., S. Vicario, K. Lundin, M. Berggren, A. Karlsson, R. Haines, A. Williams, C. Goble, C. Mathew, and A. Güntsch. 2017. Marine long-term biodiversity assessment suggests loss of rare species in the Skagerrak and Kattegat region. <i>Marine Biodiversity</i> 1-12.                                                                         | YES | NO  | NO  |
| <b><u>Papworth, S. K., J. Rist, L. Coad, and E. J. Milner-Gulland. 2009. Evidence for shifting baseline syndrome in conservation. <i>Conservation Letters</i> 2: 93–100. doi:10.1111/j.1755-263X.2009.00049.x.</u></b>                                                                                                                              | YES | YES | YES |
| Parsons, D. M., M. A. Morrison, A. B. MacDiarmid, B. Stirling, P. Cleaver, I. W. G. Smith, and M. Butcher. 2009. Risks of shifting baselines highlighted by anecdotal accounts of New Zealand’s snapper ( <i>Pagrus auratus</i> ) fishery. <i>New Zealand Journal of Marine and Freshwater Research</i> 43: 965–983. doi:10.1080/00288330909510054. | YES | YES | NO  |
| Pellier, A. S., J. A. Wells, N. K. Abram, D. Gaveau, and E. Meijaard. 2014. Through the eyes of children: Perceptions of environmental change in tropical forests. <i>PLoS ONE</i> 9. doi:10.1371/journal.pone.0103005.                                                                                                                             | YES | YES | NO  |
| Pinnegar, J. K., and G. H. Engelhard. 2008. The “shifting baseline” phenomenon: A global perspective. <i>Reviews in Fish Biology and Fisheries</i> 18: 1–16. doi:10.1007/s11160-007-9058-6.                                                                                                                                                         | YES | NO  | NO  |
| Plumeridge, A. A., and C. M. Roberts. 2017. Conservation targets in marine protected area management suffer from shifting baseline syndrome: A case study on the Dogger Bank. <i>Marine Pollution Bulletin</i> 116. Elsevier Ltd: 395–404. doi:10.1016/j.marpolbul.2017.01.012.                                                                     | YES | NO  | NO  |
| Pont, D., M. Logez, G. Carrel, C. Rogers, and G. Haidvogel. 2015. Historical change in fish species distribution: shifting reference conditions and global warming effects. <i>Aquatic Sciences</i> 77. Springer Basel: 441–453. doi:10.1007/s00027-014-0386-z.                                                                                     | YES | NO  | NO  |
| Popejoy, T., C. R. Randklev, T. M. Neeson, and C. C. Vaughn. 2018. Prioritizing sites for conservation based on similarity to historical baselines and feasibility of protection. <i>Conservation Biology</i> doi: 10.1111/cobi.13128.                                                                                                              | YES | YES | NO  |
| Post, J. R., M. Sullivan, S. Cox, N. P. Lester, C. J. Walters, E. a. Parkinson, A. J. Paul, L. Jackson, et al. 2002. Canada’s Recreational Fisheries: The Invisible Collapse? <i>Fisheries</i> 27: 6–17. doi:10.1577/1548-8446(2002)027<0006:CRF>2.0.CO;2.                                                                                          | YES | YES | NO  |
| Price, A. R. G., S. J. Ghazi, P. J. Tkaczynski, A. J. Venkatachalam, A. Santillan, T. Pancho, R. Metcalfe, and J. Saunders. 2014. Shifting environmental baselines in the Red Sea. <i>Marine Pollution Bulletin</i> 78. Elsevier Ltd: 96–101. doi:10.1016/j.marpolbul.2013.10.055.                                                                  | YES | NO  | NO  |

Continue Table S1

| Author                                                                                                                                                                                                                                                                                                                                                                        | (1) | (2) | (3) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Price, M. H. H., C. T. Darimont, N. F. Temple, and S. M. MacDuffee. 2008. Ghost runs: management and status assessment of Pacific salmon ( <i>Oncorhynchus</i> spp.) returning to British Columbia's central and north coasts. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> 65: 2712–2718. doi:10.1139/F08-174.                                                  | YES | NO  | NO  |
| Reed, A. J., S. Thatje, and K. Linse. 2012. Shifting Baselines in Antarctic Ecosystems; Ecophysiological Response to Warming in <i>Lissarca miliaris</i> at Signy Island, Antarctica. <i>PLoS ONE</i> 7: 1–7. doi:10.1371/journal.pone.0053477.                                                                                                                               | YES | NO  | NO  |
| Restrepo, A., P. Colinvaux, M. Bush, A. Correa-metrio, M. R. Gardener, P. Jaramillo, M. Steinitz-kannan, J. Overpeck, et al. 2012. Impacts of climate variability and human colonization on the vegetation of the Galápagos Islands. <i>Ecology</i> 93: 1853–1866.                                                                                                            | YES | YES | NO  |
| Rick, T. C., and R. Lockwood. 2012. Integrating Paleobiology, Archeology, and History to Inform Biological Conservation. <i>Conservation Biology</i> 27: 45–54. doi:10.1111/j.1523-1739.2012.01920.x.                                                                                                                                                                         | YES | NO  | NO  |
| Rittenhouse, C. D., A. M. Pidgeon, T. P. Albright, P. D. Culbert, M. K. Clayton, C. H. Flather, C. Huang, J. G. Masek, et al. 2010. Conservation of forest birds: Evidence of a shifting baseline in community structure. <i>PLoS ONE</i> 5: 1–9. doi:10.1371/journal.pone.0011938.                                                                                           | YES | NO  | NO  |
| Rodrigues, A. S., A. Charpentier, D. Bernal-Casasola, A. Gardeisen, C. Nores, J. A. Pis Millán, K. McGrath, and C. F. Speller. 2018. Forgotten Mediterranean calving grounds of grey and North Atlantic right whales: evidence from Roman archaeological records. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 285(1882), 20180961.                       | YES | YES | NO  |
| Roff, G., T. R. Clark, C. E. Reymond, J. -x. Zhao, Y. Feng, L. J. McCook, T. J. Done, and J. M. Pandolfi. 2012. Palaeoecological evidence of a historical collapse of corals at Pelorus Island, inshore Great Barrier Reef, following European settlement. <i>Proceedings of the Royal Society B: Biological Sciences</i> 280: 20122100–20122100. doi:10.1098/rspb.2012.2100. | YES | NO  | NO  |
| Rosa, R., A. R. Carvalho, and R. Angelini. 2014. Integrating fishermen knowledge and scientific analysis to assess changes in fish diversity and food web structure. <i>Ocean and Coastal Management</i> 102. Elsevier Ltd: 258–268. doi:10.1016/j.ocecoaman.2014.10.004.                                                                                                     | YES | YES | NO  |
| Ruiz-Moreno, D., B. L. Willis, A. C. Page, E. Weil, A. Cróquer, B. Vargas-Angel, A. G. Jordan-Garza, E. Jordán-Dahlgren, et al. 2012. Global coral disease prevalence associated with sea temperature anomalies and local factors. <i>Diseases of Aquatic Organisms</i> 100: 249–261. doi:10.3354/dao02488.                                                                   | YES | NO  | NO  |
| Ruiz, J. M. 2004. Oil spills versus shifting baselines. <i>Marine Ecology Progress Series</i> 282: 307–309. doi:10.3354/meps282307.                                                                                                                                                                                                                                           | YES | NO  | NO  |

Continue Table S1

| Author                                                                                                                                                                                                                                                                                                    | (1) | (2) | (3) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Sáenz-Arroyo, A., and D. Revollo-Fernández. 2016. Local ecological knowledge concurs with fishing statistics: An example from the abalone fishery in Baja California, Mexico. <i>Marine Policy</i> 71: 217–221. doi:10.1016/j.marpol.2016.06.006.                                                         | YES | YES | NO  |
| Sáenz-Arroyo, A., C. M. Roberts, J. Torre, M. Cariño-Olvera, and R. R. Enríquez-Andrade. 2005. Rapidly shifting environmental baselines among fishers of the Gulf of California. <i>Proceedings of The Royal Society of London B: Biological Sciences</i> 272: 1957–1962. doi:10.1098/rspb.2005.3175.     | YES | YES | NO  |
| Sáenz-Arroyo, A., C. M. Roberts, J. Torre, M. Cariño-Olvera, and J. P. Hawkins. 2006. The value of evidence about past abundance: Marine fauna of the Gulf of California through the eyes of 16th to 19th century travellers. <i>Fish and Fisheries</i> 7: 128–146. doi:10.1111/j.1467-2979.2006.00214.x. | YES | NO  | NO  |
| <b><u>Sáenz-Arroyo, A., C. M. Roberts, J. Torres, and M. Cariño-Olvera. 2005. Using fishers' anecdotes, naturalists' observations and grey literature to reassess marine species at risk: the case of the Gulf grouper in the Gulf of California, Mexico. <i>Fish and Fisheries</i> 6: 121–133.</u></b>   | YES | YES | YES |
| Santini, L., M. González-Suárez, C. Rondinini, and M. Di Marco. 2017. Shifting baseline in macroecology? Unravelling the influence of human impact on mammalian body mass. <i>Diversity and Distributions</i> 23: 640–649. doi:10.1111/ddi.12555.                                                         | YES | NO  | NO  |
| Sheppard, C. 1995. The shifting baseline syndrome. <i>Marine Pollution Bulletin</i> 30. Pergamon: 706.                                                                                                                                                                                                    | YES | NO  | NO  |
| Soga, M., and Gaston K. J. 2018. Sifting baseline syndrome: causes, consequences, and implications. <i>Frontiers in Ecology and the Environment</i> 16(4): 222–230.                                                                                                                                       | YES | YES | NO  |
| Song, A. M., R. Chuenpagdee, and S. Jentoft. 2013. Values, images, and principles: What they represent and how they may improve fisheries governance. <i>Marine Policy</i> 40. Elsevier: 167–175. doi:10.1016/j.marpol.2013.01.018.                                                                       | YES | NO  | NO  |
| Steen, D. A., and D. S. Jachowski. 2013. Expanding shifting baseline syndrome to accommodate increasing abundances. <i>Restoration Ecology</i> 21: 527–529. doi:10.1111/rec.12040.                                                                                                                        | YES | NO  | NO  |
| Thornton, T. F., M. L. Moss, V. L. Butler, J. Hebert, and F. Funk. 2010. Local and Traditional Knowledge and the Historical Ecology of Pacific Herring in Alaska. <i>Journal of Ecological Anthropology</i> 14: 81–88.                                                                                    | YES | YES | NO  |
| Thurstan, R. H., L. McClenachan, L. B. Crowder, J. A. Drew, J. N. Kittinger, P. S. Levin, C. M. Roberts, and J. M. Pandolfi. 2015. Filling historical data gaps to foster solutions in marine conservation. <i>Ocean and Coastal Management</i> 115: 31–40. doi:10.1016/j.ocecoaman.2015.04.019.          | YES | NO  | NO  |

Continue Table S1

| Author                                                                                                                                                                                                                                                                                                                                                  | (1) | (2) | (3) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|
| Thurstan, R. H., S. M. Buckley, J. C. Ortiz, and J. M. Pandolfi. 2016. Setting the Record Straight: Assessing the Reliability of Retrospective Accounts of Change. <i>Conservation Letters</i> 9: 98–105. doi:10.1111/conl.12184.                                                                                                                       | YES | YES | NO  |
| Turvey, S. T., L. a. Barrett, H. Yujiang, Z. Lei, Z. Xinqiao, W. Xianyan, H. Yadong, Z. Kaiya, et al. 2010. Rapidly shifting baselines in Yangtze Fishing Communities and Local Memory of Extinct Species. <i>Conservation Biology</i> 24: 778–787. doi:10.1111/j.1523-1739.2009.01395.x.                                                               | YES | YES | NO  |
| <b><u>Ulman, A., and D. Pauly. 2016. Making history count: The shifting baselines of Turkish fisheries. <i>Fisheries Research</i> 183. Elsevier B.V.: 74–79. doi:10.1016/j.fishres.2016.05.013.</u></b>                                                                                                                                                 | YES | YES | YES |
| Vačkář, D., B. Ten Brink, J. Loh, J. E. M. Baillie, and B. Reyers. 2012. Review of multispecies indices for monitoring human impacts on biodiversity. <i>Ecological Indicators</i> 17: 58–67. doi:10.1016/j.ecolind.2011.04.024.                                                                                                                        | YES | NO  | NO  |
| Vander Pluym, J. L., D. B. Eggleston, and J. F. Levine. 2008. Impacts of road crossings on fish movement and community structure. <i>Journal of Freshwater Ecology</i> 23: 565–574. doi:10.1080/02705060.2008.9664244.                                                                                                                                  | YES | NO  | NO  |
| *Venkatachalam, A. J., A. R. G. Price, S. Chandrasekara, S. Senaratna Sellamuttu, and J. Kaler. 2010. Changes in frigate tuna populations on the south coast of Sri Lanka: evidence of the shifting baseline syndrome from analysis of fisher observations. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> 20: 167–176. doi:10.1002/aqc. | YES | YES | NO  |
| Villnäs, a., and a. Norkko. 2011. Benthic diversity gradients and shifting baselines: Implications for assessing environmental status. <i>Ecological Applications</i> 21: 2172–2186. doi:10.1890/10-1473.1.                                                                                                                                             | YES | NO  | NO  |
| Watson, M. S., D. C. Claar, and J. K. Baum. 2016. Subsistence in isolation: Fishing dependence and perceptions of change on Kiritimati, the world's largest atoll. <i>Ocean and Coastal Management</i> 123. Elsevier Ltd: 1–8. doi:10.1016/j.ocecoaman.2016.01.012.                                                                                     | YES | YES | NO  |
| Whipple, A. A., R. M. Grossinger, and F. W. Davis. 2011. Shifting Baselines in a California Oak Savanna: Nineteenth Century Data to Inform Restoration Scenarios. <i>Restoration Ecology</i> 19: 88–101. doi:10.1111/j.1526-100X.2009.00633.x.                                                                                                          | YES | NO  | NO  |
| Wodak, J. (2017). Shifting Baselines: Conveying Climate Change in Popular Music. <i>Environmental Communication</i> , 12(1), 58-70.                                                                                                                                                                                                                     | YES | NO  | NO  |
| Wu, T., M. A. Petriello, and Y. S. Kim. 2011. Shifting baseline syndrome as a barrier to ecological restoration in the American southwest. <i>Ecological Restoration</i> 29: 213–215. doi:10.3368/er.29.3.213.                                                                                                                                          | YES | YES | NO  |

Continue Table S1

| Author                                                                                                                                                                                                                                                                                                                                                   | (1)        | (2)      | (3)    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|--------|
| Yasuhara, M., G. Hunt, D. Breitburg, A. Tsujimoto, and K. Katsuki. 2012. Human-induced marine ecological degradation: Micropaleontological perspectives. <i>Ecology and Evolution</i> 2: 3242–3268. doi:10.1002/ece3.425.                                                                                                                                | YES        | YES      | NO     |
| Young, M. A. L., S. Foale, and D. R. Bellwood. 2014. Impacts of recreational fishing in Australia: Historical declines, self-regulation and evidence of an early warning system. <i>Environmental Conservation</i> 41: 350–356. doi:10.1017/S0376892914000046.                                                                                           | YES        | YES      | NO     |
| Zapelini C., V. J. Giglio, R. C. Carvalho, M. G. Bender, Gerhardinger L. C. 2017. Assessing fishing expert's knowledge to improve conservation strategies for an endangered grouper in the south western Atlantic. <i>Journal of Ethnobiology</i> 37(3): 478-493.                                                                                        | YES        | YES      | NO     |
| Zeller, D., R. Froese, and D. Pauly. 2005. On losing and recovering fisheries and marine science data. <i>Marine Policy</i> 29: 69–73. doi:10.1016/j.marpol.2004.02.003.                                                                                                                                                                                 | YES        | YES      | NO     |
| Zogaris, S., and A. De Maddalena. 2014. Sharks, blast fishing and shifting baselines: Insights from Hass's 1942 Aegean expedition. <i>Cahiers de Biologie Marine</i> 55: 305–313.                                                                                                                                                                        | YES        | NO       | NO     |
| Zu Ermgassen, P. S. E., M. D. Spalding, B. Blake, L. D. Coen, B. Dumbauld, S. Geiger, J. H. Grabowski, R. Grizzle, et al. 2012. Historical ecology with real numbers: past and present extent and biomass of an imperilled estuarine habitat. <i>Proceedings of the Royal Society B: Biological Sciences</i> 279: 3393–3400. doi:10.1098/rspb.2012.0313. | YES        | NO       | NO     |
| Zuberogoitia, I., M. Põdra, S. Palazón, A. Gómez, N. Zabala, and J. Zabala. 2016. Misleading interpretation of shifting baseline syndrome in the conservation of European mink. <i>Biodiversity and Conservation</i> 25: 1795–1800. doi:10.1007/s10531-016-1156-0.                                                                                       | YES        | NO       | NO     |
| Total amount of studies in each category 152                                                                                                                                                                                                                                                                                                             | 113 (100%) | 48 (32%) | 8 (5%) |