

Sea otter (*Enhydra lutris*)

2019-2025

1. Bailey, R. 2025. Chapter 11: Reintroductions and restoring nearshore ecosystemsd the Elakha Alliance: A new approach to sea otter conservation. In Sea Otter Conservation II: Nearshore Ecosystem Restoration, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 339-362.
2. Beichman, A. C., K.-P. Koepfli, G. Li, W. Murphy, P. Dobrynin, S. Kliver, M. T. Tinker, M. J. Murray, J. Johnson, and K. Lindblad-Toh. 2019. Aquatic adaptation and depleted diversity: a deep dive into the genomes of the sea otter and giant otter. *Molecular biology and evolution* 36:2631–2655.
3. Beichman, A. C., P. Kalhori, C. C. Kyriazis, A. A. DeVries, S. Nigenda-Morales, G. Heckel, Y. Schramm, A. Moreno-Estrada, D. J. Kennett, and M. Hylkema. 2023. Genomic analyses reveal range-wide devastation of sea otter populations. *Molecular Ecology* 32:281–298.
4. Belting, T. 2019. Association of zoos and aquariums regional studbook, Seattle Aquarium, Seattle USA.
5. Bland, A., Konar, B., Edwards, M. 2019. Spatial trends and environmental drivers of epibenthic shelf community structure across the Aleutian Islands. *Continental Shelf Research* 175, 1229.
6. Bodkin, J.L., Foster E.U., Larson, S.E. 2025. Chapter 1: How the history of harvest and recovery influenced our understanding of the ecological role of sea otters. In Sea Otter Conservation II: Nearshore Ecosystem Restoration, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 1-20.
7. Burdin, A. M. & Volkova, E. V. 2022. Conservation of biodiversity of Kamchatka and coastal waters. Materials of the XXIII international scientific conference. Petropavlovsk-Kamchatsky, November 16-17 2022.
8. Burek Huntington, K. A., V. A. Gill, A. M. Berrian, T. Goldstein, P. Tuomi, B. A. Byrne, K. Worman, and J. Mazet. 2021. Causes of mortality of northern sea otters (*Enhydra lutris kenyoni*) in Alaska from 2002 to 2012. *Frontiers in Marine Science* 8:630582.
9. Coletti, H, Bodkin, J.L., Hilderbrand, G.V., Ballachey, B.E. 2025. Chapter 5: Sea otter-mediated linkages among oceanic, nearshore, and terrestrial ecosystems. In Sea Otter Conservation II: Nearshore Ecosystem Restoration, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 133-164.

10. Davis, R. W., J. L. Bodkin, H. A. Coletti, D. H. Monson, S. E. Larson, L. P. Carswell, and L. M. Nichol. 2019. Future Directions in Sea Otter Research and Management. *Frontiers in Marine Science* 5.
11. Edwards, M.S., Konar, B. 2020. Trophic downgrading reduces spatial variability on rocky reefs. *Scientific Reports* 10, 18079.
12. Eisaguirre, J. M., Williams, P. J., Lu, X., Kissling, M. L., Beatty, W. S., Esslinger, G. G., Womble, J. N. & Hooten, M. B. 2021. Diffusion modeling reveals effects of multiple release sites and human activity on a recolonizing apex predator. *Mov. Ecol.*, 9, 1-14.
13. Elliott Smith, E.A., Tinker, M.T., Whistler, E.L., Kennett, D.J., Vellanoweth, R.L., Gifford-Gonzalez, D., Hylkema, M.G., Newsome, S. 2020. Reductions in the dietary niche of southern sea otters (*Enhydra lutris nereis*) from the Holocene to the Anthropocene. *Ecology and Evolution* 10, 3318–3329.
14. Esslinger, G. G., Robinson, B. H., Monson, D. H., Taylor, R. L., Esler, D., Weitzman, B. P., Garlich-Miller, J. 2022. Abundance and distribution of sea otters (*Enhydra lutris*) in the southcentral Alaska stock, 2014, 2017, and 2019 (No. 2021-1122). US Geological Survey.
15. Esslinger, G.G., Monson, D.H., Eisaguirre, J.M., Tomoleoni, J. A. 2025. Chapter 7: Monitoring sea otter population recovery from the maritime fur trade. In *Sea Otter Conservation II: Nearshore Ecosystem Restoration*, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 203-234.
16. Estes, J.A., Vermiej, G.J. 2022. History's legacy: Why future progress in ecology demands a view of the past. *Ecology* 103, e3788.
17. Flannery, B. G., O. L. Russ, M. L. St. Martin, W. S. Beatty, K. K. Worman, J. L. Garlich-Miller, V. A. Gill, P. L. Lemons, D. H. Monson, and K. A. Kloecker. 2022. Genetic variation in sea otters (*Enhydra lutris*) from the North Pacific with relevance to the threatened Southwest Alaska Distinct Population Segment. *Marine Mammal Science* 38:858–880.
18. Foster, E. U., Watson, J. C., Lemay, M. A., Tinker, M. T., Estes, J. A., Piercey, R. S., Henson, L., Ritland, C., Miscampbell, A., Nichol, L. M., Hessing-Lewis, M., Salomon, A. K. & Darimont, C. T. 2021. Physical disturbance by recovering sea otter populations increases eelgrass genetic diversity. *Science*, 374, 333-336.
19. Foster, E.U., 2021. Sea otter effects on soft sediment flora and fauna, and within ancient Indigenous maricultural systems. PhD, University of Victoria, BC, Canada.
20. Foster E.U., Hughes, B.B. 2025. Chapter 3: The role of sea otters in seagrass and salt marsh communities. In *Sea Otter Conservation II: Nearshore Ecosystem Restoration*, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 69-96.

21. Gabara, S.S., Konar, B.H., Edwards, M.S. 2021. Biodiversity loss leads to reductions in community-wide trophic complexity. *Ecosphere* 12, e03361.
22. Gaskins, L.C., Paxton, A.B., Silliman, B.R., 2020. Megafauna in salt marshes. *Frontiers in Marine Science* 7, 561476.
23. Gregr, E.J., Christensen, V., Nichol, L., Martone, R., Markel, R., Watson, J.C., Harley, C.D.G., Pakhomov, E.A., Shurin, J.B., Chan, K.M.A., 2020. Cascading social-ecological costs and benefits triggered by a recovering keystone predator. *Science* 368, 1243-1247.
24. Grimes, T.M., Tinker, M.T., Hughes, B.B., Boyer, K.E., Needles, L., Beheshti, K., Lewison, R.L., 2020. Characterizing the impact of recovering sea otters on commercially important crabs in California estuaries. *Marine Ecology Progress Series* 655, 123-137.
25. Hale, J.R., Laidre, K.L., Tinker M.T., Jameson, R.J., Jeffries, S., Larson, S.E., Bodkin, J.L. 2019. Influence of occupation history and habitat on Washington sea otter diet. *Marine Mammal Science* 35, 1369–1395.
26. Hale, J.R., Laidre, K.L., Jeffries, S.J., Scordino, J.J., Lynch, D., Jameson, R.J., Tinker, M.T. 2022. Status, trends, and equilibrium abundance estimates of the translocated sea otter population in Washington State. *The Journal of Wildlife Management*, 86(4), p.e22215.
27. Hale, J.R., Womble, J.N., Tomoleoni, J.A., Esslinger, G.G., Tinker, M.T. 2025. Chapter 8: The intersection of individual space use and landscape-level geography and their defining influence on sea otter conservation. In *Sea Otter Conservation II: Nearshore Ecosystem Restoration*, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 235-268.
28. Hatfield, B. B., Yee, J. L., Kenner, M. C. & Tomoleoni, J. A. 2019. California sea otter (*Enhydra lutris nereis*) census results, spring 2019. U.S. Geological Survey Data Series 1118, 1-12.
29. Hughes, B. B., Wasson, K., Tinker, M. T., Williams, S. L., Carswell, L. P., Boyer, K. E., Beck, M. W., Eby, R., Scoles, R., Staedler, M., Espinosa, S., Hessing-Lewis, M., Foster, E. U., K, M. B., Grimes, T. M., Becker, B. H., Needles, L., Tomoleoni, J. A., Rudebusch, J., Hines, E. & Silliman, B. R. 2019. Species recovery and recolonization of past habitats: lessons for science and conservation from sea otters in estuaries. *PeerJ*, 7, p.e8100.
30. Hughes, B.B., Beheshti, K.M., Tinker, M.T., Angelini, C., Endris, C., Murai, L., Anderson, S.C., Espinosa, S., Staedler, M.M., Tomoleoni, J.A., Sanchez, M.L., Silliman, B.R., 2024. Top predator recovery abates geomorphic decline of a coastal ecosystem. *Nature*, 626 (7997), pp.111-118.
31. Hughes, B.B., Wasson, K., Tinker, M.T., Williams, S.L., Carswell, L.P., Boyer, K.E., Beck, M.W., Eby, R., Scoles, R., Staedler, M., Espinosa, S., Hessing-Lewis, M., Foster, E.U., K, M.B., Grimes, T.M., Becker, B.H., Needles, L., Tomoleoni, J.A.,

- Rudebusch, J., Hines, E., Silliman, B.R., 2019. Species recovery and recolonization of past habitats: lessons for science and conservation from sea otters in estuaries. *PeerJ* 7, e8100.
32. Ibarra, S. N. 2021. Ibarra SN. 2021. Addressing a complex resource conflict: Humans, sea otters, and shellfish in southeast Alaska. PhD Dissertation Department of Fisheries. PhD Dissertation, University of Alaska Fairbanks, Department of Fisheries, Juneau, AK.
33. Jackson, J.R., 2021. Sea otter (*Enhydra lutris*) impacts to seagrass (*Zostera marina*) communities across the Northeast Pacific. MS Thesis, Sonoma State University.
34. Jeffries, S., Lynch, D., Waddell, J., Ament, S. & Pasi, C. 2019. Results of the 2019 survey of the reintroduced sea otter population in Washington State. *Unpublished Report. Copies may be obtained from the Washington Department of Fish and Wildlife or U.S. Fish and Wildlife Service's Washington Fish and Wildlife Office.*
35. Jenkinson, R.S., Hovel, K.A., Dunn, R.P., Edwards, M.S., 2020. Biogeographical variation in the distribution, abundance, and interactions among key species on rocky reefs of the Northeast Pacific. *Marine Ecology Progress Series* 648, 51-65.
36. Johnson, C.J., Hale, J.R., Tinker, M.T., Foster, E.U., Samhour, J.F., Shelton, A.O., Laidre, K.L. 2023. Rapid consumption of kelp crab: Implications for sea otters in Washington state. *Northwestern Naturalist*, 104(1), pp.48-67.
37. Kone, D.V., Tinker, M.T., Torres, L.G. 2021. Informing sea otter reintroduction through habitat and human interaction assessment. *Endangered Species Research* 44, 159–176.
38. LaRoche, N.L., King, S.L., Rogers, M.C., Eckert, G.L., Pearson, H.C., 2021. Behavioral observations and stable isotopes reveal high individual variation and little seasonal variation in sea otter diets in Southeast Alaska. *Marine Ecology Progress Series* 677, 219-232.
39. Larson, S., R. B. Gagne, J. Bodkin, M. J. Murray, K. Ralls, L. Bowen, R. Leblois, S. Piry, M. C. Penedo, M. T. Tinker, and H. B. Ernest. 2021. Translocations maintain genetic diversity and increase connectivity in sea otters, *Enhydra lutris*. *Marine Mammal Science*. 37(4). 1476-1497.
40. Larson, S., Bodkin, J., Foster, E. 2025. Sea Otter Conservation II: Nearshore Ecosystem Restoration. Academic Press. 410 pgs.
41. Larson, S., Wellman, H.P., Beichman, A.C., Carter, N.H., Elliott Smith, E.A. 2025. Chapter 10: Insights from molecular methods into past and present sea otter populations. In *Sea Otter Conservation II: Nearshore Ecosystem Restoration*, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 305-338.
42. Larson, S.E., Bodkin, J.L., Foster, E.U. 2025. Chapter 12: Envisioning sea otter recovery in the 21st century. In *Sea Otter Conservation II: Nearshore Ecosystem*

Restoration, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 363-374.

43. Community Ecology of Sea Otters. Springer Verlag, New York, pp. 151–167.
44. Lee, L.C., McNeil, G.D., Ridings, P., Featherstone, M., Okamoto, D.K., Spindel, N.B., Galloway, A.W.E., Saunders, G.W., Adamczyk, E.M., Reshitnyk, L., et al. 2021. Chiixuu Tii iinasdli: Indigenous ethics and values lead to ecological restoration for people and place in Gwaii Haanas. *Ecological Restoration* 39, 45–51.
45. Lee, L.C., Thorley, J., Watson, J., Reid, M., Salomon, A.K. 2019. Diverse knowledge systems reveal social-ecological dynamics that inform species conservation status. *Conservation Letters* 12, e12613
46. Letham, B., A. Martindale, and K. M. Ames. 2020. Endowment, investment, and the transforming coast: Long-term human-environment interactions and territorial proprietorship in the Prince Rupert Harbour, Canada. *Journal of Anthropological Archaeology* 59:101179.
47. Loshbaugh, S. 2021. Sea Otters and the Maritime Fur Trade. Pages 173–204 *Ethology and Behavioral Ecology of Sea Otters and Polar Bears*. Springer.
48. Malakhoff, K.D., Miller, R.J. 2021. After 15 years, no evidence for trophic cascades in marine protected areas. *Proceedings of the Royal Society B* 288, 20203061.
49. Mayer, K.A., Tinker, M.T., Nicholson, T.E., Murray, M.J., Johnson, A.B., Staedler, M.M., Fujii, J.A., Van Houtan, K.S., 2019. Surrogate rearing a keystone species to enhance population and ecosystem restoration. *Oryx* 55, 535-545.
50. Miller, M. A., M. E. Moriarty, L. Henkel, M. T. Tinker, T. L. Burgess, F. I. Batac, E. Dodd, C. Young, M. D. Harris, D. A. Jessup, J. Ames, and C. Johnson. 2020. Predators, Disease, and Environmental Change in the Nearshore Ecosystem: Mortality in southern sea otters (*Enhydra lutris nereis*) from 1998-2012. *Frontiers in Marine Science* 7:582.
51. Monson, D.H., Taylor, R.L., Hilderbrand, G.V., Erlenbach, J.A., Coletti, H.A., Kloecker, K.A., Esslinger, G.G., Bodkin, J.L., Hopkins, J., 2023. Brown bear–sea otter interactions along the Katmai coast: terrestrial and nearshore communities linked by predation. *Journal of Mammalogy* 104, 171-183.
52. Moss, M. L. 2020. Did Tlingit ancestors eat sea otters? Addressing intellectual property and cultural heritage through zooarchaeology. *American Antiquity* 85:202–221.
53. Nichol, L. M., Doniol-Valcroze, T., Watson, J. C. & Foster, E. U. 2020. Trends in growth of the sea otter (*Enhydra lutris*) population in British Columbia 1977-2017. *DFO Can. Sci. Advis. Sec. Res. Doc.* 2020/039.

54. Olsen, A.Y., Smith, A., Hempstead, C. and Larson, S.E., 2023. Analytical validation and assessment of baseline fecal glucocorticoid metabolites in Northern Sea Otters (*Enhydra lutris kenyoni*) in human care. *Animals*, 13(13), p.2175.
55. Popken, L. R., P. J. Griffin, C. Coté, and E. Angel. 2023. Indigenous food sovereignty through resurgent self-governance: centering Nuu-chah-nulth principles in sea otter management in Canada. *Ecology and Society* 28.
56. Ramshaw, B.C., Pakhomov, E.A. 2021. The dietary importance of kelp-derived detritus to pelagic and benthic consumers along the west coast of Vancouver Island, Canada. *Open Journal of Marine Science* 11, 187–213.
57. Randell, Z., Yee, J.L., Kenner, M., Novak, M. 2022. Kelp-forest dynamics controlled by substrate complexity. *Proceedings of the National Academy of Sciences, USA* 119, e2103483119.
58. Rasher, D.B., Steneck, R.S., Halfar, J., Kroeker, K.J., Ries, J.B., Tinker, M.T., Chan, P.T.W., Fietzke, J., Kamenos, N.A., Konar, B.H., et al. 2020. Keystone predators govern the pathway and pace of climate impacts in a subarctic marine ecosystem. *Science* 369, 1351–1354.
59. Raymond, W. W., Tinker, M. T., Kissling, M. L., Benter, B., Gill, V. A. & Eckert, G. L. 2019. Location-specific factors influence patterns and effects of subsistence sea otter harvest in Southeast Alaska. *Ecosphere*, 10, e02874.
60. Raymond, W.W., Hughes, B.B., Stephens, T.A., Mattson, C.R., Bolwerk, A.T., Eckert, G.L., 2021a. Testing the generality of sea otter-mediated trophic cascades in seagrass meadows. *Oikos* 130, 725-738.
61. Raymond, W.W., Schram, J.B., Eckert, G.L., Galloway, A.W.E., 2021b. Sea otter effects on trophic structure of seagrass communities in southeast Alaska. *Marine Ecology Progress Series* 674, 37-58.
62. Rechsteiner, E.U., Watson, J.C., Tinker, M.T., Nichol, L.M., Henderson, M.J.M., McMillan, C.J., DeRoos, M., Fournier, M.C., Salomon, A.K., Honka, L.D., et al. 2019. Sex and occupation time influence niche space of a recovering keystone predator. *Ecology and Evolution* 9, 3321–3334.
63. Roffler, G.H., Allen, J.M., Massey, A., Levi, T., 2021. Metabarcoding of fecal DNA shows dietary diversification in wolves substitutes for ungulates in an island archipelago. *Ecosphere* 12, e03297.
64. Saavedra, J.J., 2021. Testing the effects of recovering sea otters on seagrass ecosystems in Southeast Alaska. MS Thesis, Sonoma State University.
65. Salomon, A. K., J. M. Burt, B. W. Kii'iljuus, and I. McKechnie. 2020. Coastal Voices: Lessons Learned and Recommendations on Revitalizing Our Relationship with Sea Otters, Kelp Forests and Coastal Fisheries. Simon Fraser University, School of Resource and Environmental Management. Burnaby. British Columbia, Canada.

66. Sanchez, M.L., 2021. Using camera traps and machine learning as monitoring tools for the recovering southern sea otter (*Enhydra lutris nereis*) in a recolonized systems. MS Thesis, Sonoma State University.
67. Schmitz, O.J., Sylvén, M., Atwood, T.B., Bakker, E.S., Berzaghi, F., Brodie, J.F., Crooms, J.P., Davies, A.B., Leroux, S.J., Schepers, F.J. 2023. Trophic rewilding can expand natural climate solutions. *Nature Climate Change*, 1–10.
68. Slade, E., McKechnie, I., Salomon, A.K., 2021. Archaeological and contemporary evidence indicates low sea otter prevalence on the Pacific northwest coast during late Holocene. *Ecosystems* 25, 548-566.
69. Smith, J. G., J. Tomoleoni, M. Staedler, S. Lyon, J. Fujii, and M. T. Tinker. 2021. Behavioral responses across a mosaic of ecosystem states restructure a sea otter–urchin trophic cascade. *Proceedings of the National Academy of Sciences* 118:e2012493118.
70. Smith, J.G., Tinker, M.T. 2022. Alternations in the foraging behaviour of a primary consumer drive patch transition dynamics in a temperate rocky reef ecosystem. *Ecology Letters* 25, 1827–1838.
71. Smith, J.G., Tomoleoni, J., Staedler, M., Lyon, S., Fujii, J., Tinker, M.T. 2021. Behavioral responses across a mosaic of ecosystem states restructure a sea otter–urchin trophic cascade. *Proceedings of the National Academy of Sciences, USA* 118, e2012493118.
72. Tinker, M. T., J. A. Tomoleoni, B. P. Weitzman, M. Staedler, D. Jessup, M. J. Murray, M. Miller, T. Burgess, L. Bowen, A. K. Miles, N. Thometz, L. Tarjan, E. Golson, F. Batac, E. Dodd, E. Berberich, J. Kunz, G. Bentall, J. Fujii, T. Nicholson, S. Newsome, A. Melli, N. LaRoche, H. MacCormick, A. Johnson, L. Henkel, C. Kreuder-Johnson, and P. Conrad. 2019b. Southern sea otter (*Enhydra lutris nereis*) population biology at Big Sur and Monterey, California --Investigating the consequences of resource abundance and anthropogenic stressors for sea otter recovery. US Geological Survey Open-File Report No. 2019-1022. Page 244. US Geological Survey Open-File Report, Reston, VA.
73. Tinker, M. T., J. L. Yee, K. L. Laidre, B. B. Hatfield, M. D. Harris, J. A. Tomoleoni, T. W. Bell, E. Saarman, L. P. Carswell, and A. K. Miles. 2021c. Habitat features predict carrying capacity of a recovering marine carnivore. *Journal of Wildlife Management* 85:303–323.
74. Tinker, M. T., L. P. Carswell, J. A. Tomoleoni, B. B. Hatfield, M. D. Harris, M. A. Miller, M. E. Moriarty, C. K. Johnson, C. Young, L. Henkel, M. M. Staedler, A. K. Miles, and J. L. Yee. 2021b. An Integrated Population Model for Southern Sea Otters. U.S. Geological Survey Open-File Report 2021–1076, 50 p., <https://doi.org/10.3133/ofr20211076>. Reston, VA.

75. Tinker, M. T., V. A. Gill, G. G. Esslinger, J. L. Bodkin, M. Monk, M. Mangel, D. H. Monson, W. E. Raymond, and M. Kissling. 2019a. Trends and Carrying Capacity of Sea Otters in Southeast Alaska. *Journal of Wildlife Management* 83:1073–1089.
76. Tinker, M.T., Bodkin, J.L., Bowen, L., Ballachey, B., Bentall, G., Burdin, A., Coletti, H., Esslinger, G., Hatfield, B.B., Kenner, M.C., et al. 2021a. Sea otter population collapse in southwest Alaska: assessing ecological covariates, consequences, and causal factors. *Ecological Monographs* 91, e01472.
77. Tinker, T., P. Schuette, B. Weitzman, J. Eisaguirre, and W. Beatty. 2023b. The combined impact of killer whale consumptive and non-consumptive effects on northern sea otter population viability in the Western Aleutians Archipelago, Alaska. *bioRxiv*:2023.01. 30.526353.
78. Tinker, M. T., J. A. Estes, J. L. Bodkin, S. Larson, M. J. Murray, and J. Hodder. 2023a. Restoring otters to the Oregon coast: a feasibility study. Siletz, OR: Elakha Alliance.
79. Tinker, M.T., Salomon, A., Larson, S.E., McKechnie, I. 2025. Chapter 6: A catastrophic and unintended experiment: Revising our understanding of sea otters and their social and ecological importance based on a system in transition. In *Sea Otter Conservation II: Nearshore Ecosystem Restoration*, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 165-202.
80. Tolimieri, N., Shelton, A.O., Samhour, J.F., Harvey, C.J., Feist, B.E., Williams, G.D., Andrews, K.S., Frick, K.E., Lonhart, S., Sullaway, G. 2023. Changes in kelp forest communities off Washington, USA, during and after the 2014–2016 marine heatwave and sea star wasting syndrome. *Marine Ecology Progress Series* 703, 47–66.
81. USFWS. 2020. Southeast Sea Otter Stakeholder Meeting, Juneau Alaska, Nov 2019.
82. Ware, C., Dijkstra, J.A., Mello, K., Stevens, A., O'Brien, B., Ikedo, W. 2019. A novel three-dimensional analysis of functional architecture that describes the properties of macroalgae as a refuge. *Marine Ecology Progress Series* 608, 93–103.
83. Watson, J.C., Edwards M.S., Konar, B. 2025. Chapter 2: Sea otters and rocky reef communities. In *Sea Otter Conservation II: Nearshore Ecosystem Restoration*, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 21-68.
84. Weitzman, B., Konar, B. 2021. Biological correlates of sea urchin recruitment in kelp forest and urchin barren habitats. *Marine Ecology Progress Series* 663, 115–125.
85. Weitzman, B., Konar, B., Iken, K., Coletti, H., Monson, D., Suryan, R., Dean, T., Hondolero, D., Lindeberg, M. 2021. Changes in rocky intertidal community structure during a marine heatwave in the northern Gulf of Alaska. *Frontiers in Marine Science* 8, 556820.
86. Weitzman, B.P., Konar, B., Edwards, M.S., Rasher, D.B., Kenner, M.C., Tinker, M.T., Estes, J.A. 2023. Changes in abiotic drivers of green sea urchin demographics

- following the loss of a keystone predator. *Journal of Marine Sciences* 2023, 1198953.
87. Weitzman, B.P., Foster E.U. 2025. Chapter 4: Sea otters in mixed sediment habitats. In *Sea Otter Conservation II: Nearshore Ecosystem Restoration*, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 97-132.
88. Wellman, H. P. 2022. Fur or food? Native American use of sea otters (*Enhydra lutris*) on the Oregon coast prior to European contact and extirpation. *Journal of Archaeological Science: Reports* 43:103485.
89. Wellman, H. P., R. M. Austin, N. D. Dagtas, M. L. Moss, T. C. Rick, and C. A. Hofman. 2020. Archaeological mitogenomes illuminate the historical ecology of sea otters (*Enhydra lutris*) and the viability of reintroduction. *Proceedings of the Royal Society B* 287:20202343.
90. Williams, P.J., Hooten, M.B., Esslinger, G.G., Womble, J.N., Bodkin, J.L., Bower, M.R. 2019. The rise of an apex predator following deglaciation. *Diversity and Distributions* 25, 895–908.
91. Wilson, K. L., A. C. Sawyer, A. Potapova, C. J. Bailey, D. LoScerbo, E. K. Sweeney-Bergen, E. E. Hodgson, K. J. Pitman, K. M. Seitz, L. Law, L. Warkentin, S. M. Wilson, W. I. Atlas, D. C. Braun, M. R. Sloat, M. T. Tinker, and J. W. Moore. 2023. The role of spatial structure in at-risk metapopulation recoveries. *Ecological Applications* 33:e2898.
92. Wilson, R. R., St. Martin, M. & Beatty, W. 2021. A hierarchical distance sampling model to estimate spatially explicit sea otter density. *Ecosphere*, 12, 1-16.
93. Wright, T., Davis, R.W., Pearson, H.C., Murray, M., Sheffield-Moore, M. 2021. Skeletal muscle thermogenesis enables aquatic life in the smallest marine mammal. *Science* 373, 223–225.
94. Yee, J.L., Tomoleoni, J.A., Kenner, M.C., Fujii, J., Bentall, G.B., Tinker, M.T., Hatfield, B.B. 2020. Southern (California) sea otter population status and trends at San Nicolas Island, 2017–2020. U.S. Geological Survey Open-File Report 2020-1115. 38 pages.
95. Yee, J.L., Tinker, M.T., Bowen, L., Coletti, H.A., Douglas, D.C., Kolden, C., Larson, S.E., Lugo, R., Miles, A.K., Murray, M.J., Nichol, L.M., Perry, W.P., Saarinen, J.A., Von Biela, V., Bodkin, J.L. 2025. Chapter 9: What drives sea otter population growth and recovery: A large-scale perspective. In *Sea Otter Conservation II: Nearshore Ecosystem Restoration*, edited by Shawn Larson, James Bodkin, and Erin Foster, Academic Press, pp. 269-304.
96. Moriarty, M. E., Miller, M. A., Murray, M. J., Duignan, P. J., Gunther-Harrington, C. T., Field, C. L., ... & Johnson, C. K. (2021). Exploration of serum cardiac troponin I as a biomarker of cardiomyopathy in southern sea otters (*Enhydra lutris nereis*). *American Journal of Veterinary Research*, 82(7), 529-537.

97. Moriarty, M. E., Tinker, M. T., Miller, M. A., Tomoleoni, J. A., Staedler, M. M., Fujii, J. A., ... & Johnson, C. K. (2021). Exposure to domoic acid is an ecological driver of cardiac disease in southern sea otters ☆. *Harmful Algae*, 101, 101973.
98. Gunther-Harrington, C. T., Moriarty, M. E., Field, C. L., Adams, L. M., Johnson, C. K., & Murray, M. J. (2021). Transthoracic echocardiographic evaluation and serum cardiac troponin values in anesthetized healthy female southern sea otters (*Enhydra lutris nereis*). *Journal of Zoo and Wildlife Medicine*, 52(2), 490-498.
99. Miller, M. A., Moriarty, M. E., Duignan, P. J., Zabka, T. S., Dodd, E., Batac, F. I., ... & Toy-Choutka, S. (2021). Clinical signs and pathology associated with domoic acid toxicosis in southern sea otters (*Enhydra lutris nereis*). *Frontiers in Marine Science*, 8, 585501.
100. Miller, M. A., Newberry, C. A., Sinnott, D. M., Batac, F. I., Greenwald, K., Reed, A., ... & Shapiro, K. (2023). Newly detected, virulent *Toxoplasma gondii* COUG strain causing fatal steatitis and toxoplasmosis in southern sea otters (*Enhydra lutris nereis*). *Frontiers in Marine Science*, 10, 1116899.