



Teejay Alexander O'Rear
outdoorsman, writer

creator: westernwatershedromance.com

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EDUCATION

- Master of Ecology degree, June 2012: University of California, Davis
- Bachelor of Science Degree, Highest Honors in Wildlife, Fish, and Conservation Biology with a specialization in Fisheries Biology, June 2007; also awarded Departmental Citation for Academic Excellence: University of California, Davis

CERTIFICATIONS

- Swift Water Rescue, June 2021: Sierra Rescue International
- Wilderness First Aid, October 2014: Outdoor Adventures, University of California, Davis
- Motorboat Operators Training Certification, February 2011: US Department of the Interior
- Bartender Certification, July 1996: National Bartenders and Casino Dealers Academy

SKILLS

Outdoors

- wilderness backpacking, navigating, camping, fishing, and survival; 1985 to present
- boating, including tiller and console-drive power boats, canoes, and rafts; 2007 to present

-basic maintenance/repair/fabrication of boats, automobiles, and trailers; 1995 to present

Indoors

Office

- Microsoft Office, including Access, Excel, PowerPoint, and Word; 1999 to present
- basic website design; 2019 to present
- strategic and tactical planning of outdoors expeditions

Art

- musician (guitar, bass, ukulele) and songwriter; 1992 to present
- prose writer; 1996 to present
- basic photography; 2012 to present

EMPLOYMENT

Lab/Field Supervisor, Peter Moyle/ARC Laboratory: University of California, Davis

June 2012 to July 2025

- Coordinated, led, participated, and supervised fisheries projects and field classes involving trawling, seining, trapping, gill-netting, hook-and-line, electrofishing, and water-quality surveys throughout the San Francisco Estuary Watershed
- Conceived, drafted, wrote, and edited reports, scientific publications, and grant proposals; served as reviewer for scientific publications; participated in conferences and in advisory committees for the San Francisco Estuary Watershed
- Curated aquatic ecology data with Microsoft Access and Excel
- Operated/maintained/repaired/modified/procured boats, trailers, and associated equipment

Graduate Student Researcher: University of California, Davis

July 2008 to June 2012

- Coordinated and managed the Suisun Marsh Fish Study, which had sampled the fishes and invertebrates of Suisun Marsh for 32 years
- Analyzed trends in ecology of fishes and invertebrates in Suisun Marsh for all years of the project

Fisheries Consultant: Laguna de Santa Rosa Foundation, California

July 2008 to October 2009

- Designed, coordinated, implemented, and analyzed the results of a study of the Laguna de Santa Rosa's summer fish community and food web

Environmental Scientist: California Department of Water Resources, Sacramento

October 2007 to July 2008

- Evaluated environmental effects of proposed surface-storage reservoirs.
- Contributed to design of infrastructure and operations for the proposed Sites Reservoir.
- Served as coordinator and editor for flood management regional reports of the California Water Plan: Update 2009

Fish Physiology Assistant: University of California, Davis

September 2006 to October 2007

- Performed experiments on Chinook salmon in large-scale flumes and flow-through respirometers to determine energy use in floodplains with and without vegetation.
- Assisted with metabolism, temperature preference, and swimming performance experiments on Sacramento perch to characterize niche.

Water Chemist: Castle Lake Research Group, University of California, Davis

June 2006 to September 2006

- Assayed nutrients (phosphorus and nitrogen) and carbon flux to determine summer nutrient and phytoplankton dynamics in a natural mesotrophic lake.
- Performed gut content analyses on rainbow trout for a study exploring the food web dynamics of the lake.

Department Supervisor/Cashier Supervisor/ Sales Associate/Inventory Management Associate: Home Depot, California (San Diego, Rialto, Vacaville) and Oregon (Portland)

August 1997 to October 2000; September 2001 to June 2006

- Ordered, received, and stocked freight with gas- and electric-powered forklifts
- Merchandised
- Customer service, including selling flooring installations, special orders, and providing general advice for home improvement
- Supervised sales associates in the Flooring and Design Center departments
- Supervised ordering, merchandising, and stocking of freight in the Flooring and Design Center departments
- Supervised cashiers

Lumber Salesman: Rim Forest Lumber, Rim Forest, California

April 2001 – September 2001

- Procured lumber materials for large-scale construction firms
- Cashiered
- Maintained premises

Bartender: Jolly Roger Restaurant, Oceanside, California

August 1996 to August 1997

- served drinks and food
- maintained bar and lounge

Maintenance Worker: Ralph's, San Diego

June 1996 to August 1997

- customer service
- cleaned/maintained premises

Checker, Deliveryman, Produce/Floral Associate, Grocery Associate: Jensen's Finest Foods, Blue Jay, California

May 1994 to June 1996; June to September 2001

- cashiered
- delivered groceries and floral arrangements across the San Bernardino Mountains
- stocked and maintained produce and beverage departments
- created market bouquets

Food Server: Subway, Lake Arrowhead, California

June 1992 to May 1994

- food preparation
- customer service
- cleaned/maintained premises

Food Server: McDonald's, Lake Arrowhead, California

June 1991 to June 1992

- food preparation
- cashiering
- event organizer
- cleaned/maintained premises

Fishing-lure Fabricator: Bobby's Pro-fisherman Center, Poway, California

January 1990 to June 1990

PUBLICATIONS

- Adams, L. E., J. R. Lund, P. B. Moyle, R. Quinonez, J. D. Herman, and T. A. O'Rear. 2017. Fish hedging: theory and method for reconciled reservoir operations for the environment and water supply. *Water Resources Research* 53: 7816-7831.
- Baumsteiger, J., T. A. O'Rear, J. D. Cook, A. D. Manfree, and P. B. Moyle. 2018. Factors affecting distribution and abundance of jellyfish medusae in a temperate estuary: a multi-decadal study. *Biological Invasions* 20:105-119.
- Baumsteiger, J., R. Schroeter, T. O'Rear, J. Cook, and P. Moyle. 2017. Long-term surveys show invasive overbite clams (*Potamocorbula amurensis*) are spatially limited in Suisun Marsh, California. *San Francisco Estuary and Watershed Science* 15(2).
- Columbano, D., J. M. Donovan, D. E. Ayers, T. O'Rear, and P. B. Moyle. 2020. Tidal effects on marsh habitat use by three fishes in the San Francisco Estuary. *Environmental Biology of Fishes*.
- Columbano, D., T. B. Handley, T. O'Rear, J. R. Durand, and P. B. Moyle. 2021. Complex tidal marsh dynamics structure fish foraging patterns in the San Francisco Estuary. *Estuaries and Coasts*.
- Colombano, D., A. D. Manfree, T. O'Rear, J. R. Durand, and P. B. Moyle. 2020. Estuarine-terrestrial habitat gradients enhance nursery function for resident and transient fishes in the San Francisco Estuary. *Marine Ecology Progress Series* 637: 141-157.

- California Department of Water Resources. 2009. California water plan: update 2009. California Department of Water Resources, California.
- California Department of Water Resources. 2009. North-of-the-Delta Offstream Storage (NODOS) State Feasibility Report. California Department of Water Resources, California.
- Durand, J. R., C. Jasper, B. Williamson, A. Kruger, T. O'Rear, and R. Holleman. 2020. North Delta Arc Study 2019 annual report: Cache and Lindsey Slough water quality, productivity, and fisheries. Online (<https://watershed.ucdavis.edu/library/north-delta-arc-study-2019-annual-report-cache-and-lindsey-slough-water-quality-productivity>).
- Fangue, N. A., D. E. Cocherell, F. Maudult, J. B. Poletto, K. Karr, T. O'Rear. 2021. Juvenile Chinook salmon use of sandbar willows in a large-scale, simulated riparian floodplain: microhabitat and energetics. *Environmental Biology of Fishes*.
- Liu, J., A. Tatarenkov, T. A. O'Rear, P. B. Moyle, and J. C. Avise. 2012. Multiple paternity in broods of pregnant tule perch *Hysterocarpus traski* suggests that mate encounter rate is an important factor affecting female multiple mating. *Journal of Heredity* 104: 217-222.
- Moyle, P. B., J. A. Hobbs, and T. A. O'Rear. 2012. Fishes. Pages 161-173 in A. Palaima, ed. *Ecology, Conservation, and Restoration of Tidal Marshes: the San Francisco Estuary*. University of California Press, California.
- Newell, C., T. O'Rear, and J. Durand. 2022. Untangling the food web of Suisun Marsh with stable isotopes. *Frontiers for Young Minds*: 10:631331.
- O'Rear, T. A. 2012. Diet of an introduced estuarine population of white catfish in California. MS Thesis, 53 pp.
- O'Rear, T. A. 2010. Amphibians of the Tuolumne River watershed. Pages 105-112 in J. Mount and S. Purdy, eds. *Confluence: a Natural and Human History of the Tuolumne River Watershed*. Jeffrey Mount, California.
- O'Rear, T. A. 2007. The distribution and abundance of aquatic invertebrates in the Grande Ronde River, Oregon, U.S.A. Online (<http://www-geology.ucdavis.edu/~shlemonc/trips/GrandeRonde/background.html>)
- O'Rear, T.A., N. G. Buckmaster, E. Cheatham, A. Clause, and P. B. Moyle. 2009. A fish kill in a slough of Suisun Marsh. University of California, Davis, California.
- O'Rear, T. A., and J. R. Durand. 2024. Suisun Marsh Fish Study: trends in fish and invertebrate populations of Suisun Marsh January 2023 - December 2023. California, California Department of Water Resources.
- O'Rear, T. A., N. Karres, and C. Sloop. 2009. 2008 Laguna de Santa Rosa Aquatic Community Survey. Laguna de Santa Rosa Foundation, Santa Rosa.
- O'Rear, T. A., and J. Montgomery, P. B. Moyle, and J. R. Durand. 2021. Suisun Marsh Fish Study: trends in fish and invertebrate populations of Suisun Marsh January 2020 - December 2020. California, California Department of Water Resources.
- O'Rear, T. A., and P. B. Moyle. 2018. Suisun Marsh Fish Study: trends in fish and invertebrate populations of Suisun Marsh January 2016 - December 2016. California, California Department of Water Resources.
- O'Rear, T. A., and P. B. Moyle. 2017. Suisun Marsh Fish Study: trends in fish and invertebrate populations of Suisun Marsh January 2015 - December 2015. California, California Department of Water Resources.

- O'Rear, T. A., and P. B. Moyle. 2015. Suisun Marsh Fish Study: trends in fish and invertebrate populations of Suisun Marsh January 2014 - December 2014. California, California Department of Water Resources.
- O'Rear, T. A., and P. B. Moyle. 2015. Trends in fish and invertebrate populations of Suisun Marsh January 2013 - December 2013. California Department of Water Resources, California.
- O'Rear, T. A., and P. B. Moyle. 2014. Fishes and macroinvertebrates. Pages 165-184 in P. B. Moyle, A. D. Manfree, and P. L. Fiedler, eds. *Suisun Marsh: Ecological History and Possible Futures*. University of California Press, California.
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- O'Rear, T. A., and P. B. Moyle. 2010. Long term and recent trends of fishes and invertebrates in Suisun Marsh. *Interagency Ecological Program Newsletter* 23(2): 26-48
- O'Rear, T. A., and P. B. Moyle. 2009. Trends in Fish Populations of Suisun Marsh January 2008 - December 2008. California Department of Water Resources, California.
- O'Rear, T. A., and P. B. Moyle. 2008. Trends in Fish Populations of Suisun Marsh January 2006 - December 2007. California Department of Water Resources, California.
- O'Rear, T. A., P. B. Moyle, and J. R. Durand. 2019. Suisun Marsh Fish Study: trends in fish and invertebrate populations of Suisun Marsh January 2017 - December 2017. California, California Department of Water Resources.
- O'Rear, T. A., P. B. Moyle, and J. R. Durand. 2020. Suisun Marsh Fish Study: trends in fish and invertebrate populations of Suisun Marsh January 2018 - December 2018. California, California Department of Water Resources.
- O'Rear, T. A., P. B. Moyle, C. Newell, and J. R. Durand. 2021. Suisun Marsh Fish Study: trends in fish and invertebrate populations of Suisun Marsh January 2019 - December 2019. California, California Department of Water Resources.
- O'Rear, T. A., P. B. Moyle, and J. R. Durand. 2023. Suisun Marsh Fish Study: trends in fish and invertebrate populations of Suisun Marsh January 2022 - December 2022. California, California Department of Water Resources.
- Phillips, K. A., A. M. Tung, R. M. McConnell, T.A. O'Rear, E. Rejmankova, S. P. Lawler, and J. R. Durand. 2024. Forbs from seasonal managed wetlands boost plankton production more than emergent graminoids by supplying labile detritus. *Freshwater Biology*.
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- Walden, G. K., G. M. S. Darin, B. Grewell, D. Kratville, J. Mauldin, J. O'Brien, T. O'Rear, A. Ougzin, J. V. Susteren, and P. W. Woods. 2019. Noteworthy collections, California (*Alternanthera philoxeroides*). *Madrono* 66(1): 4-7.

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- Williamson, B. O., T. A. O'Rear, D. De Carion, J. Durand, and P. Moyle. 2015. Fishes of the Nurse-Denverton complex: managed wetlands and tidal waterways in Suisun Marsh. *Interagency Ecological Program Newsletter* 28(3):29-35.
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- Young, M., E. Howe, T. O'Rear, K. Berridge, and P. Moyle. 2020. Food web fuel differs across habitats and seasons of a tidal freshwater estuary. *Estuaries and Coasts* 188.

PRESENTATIONS

- 12 September 2018. Delta smelt and salmon habitats beyond the estuary. 10th Bay-Delta Science Conference, Sacramento, California.
- 15 November 2016. Suisun Marsh's overbite clams and Black Sea jellyfish. 9th Bay-Delta Science Conference, Sacramento, California.
- 29 October 2014. Trends in fishes and shrimps of Suisun Marsh. 8th Bay-Delta Science Conference, Sacramento, California.
- 4 April 2012. Fishes of Suisun Marsh...plus some salmon stuff. Salmonid Restoration Conference, Solano County, California.
- 16 May 2011. Fishes of Suisun Marsh: 1980 - 2010 and the future. Suisun Marsh Symposium 2011, Davis, California.
- 25 May 2010. Long term and recent trends in fishes and invertebrates of Suisun Marsh. Interagency Ecological Program Workshop, Sacramento, California.
- 14 October 2009. The aquatic animals of the Laguna de Santa Rosa: then and now. State of the Laguna Conference and Science Symposium, Santa Rosa, California.

REFERENCES

Dr. Peter Moyle
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