

Mark J. Henderson

Curriculum Vita

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Education

- Ph.D. **College of William and Mary**, Virginia Institute of Marine Sciences
Dissertation: *Movements, growth, and mortality of Chesapeake Bay summer flounder based on multiple tagging technologies*
- M.Sc. **University of Washington**, School of Aquatic and Fishery Science
Thesis: *The influence of orientation on the target strength of Pacific hake (Merluccius productus)*
- B.S. **State University of New York - College at Geneseo**, Biology (*cum laude*)
Thesis: *The sublethal effects of ultraviolet light on the development of an Antarctic sea urchin (Sterechinus neumayeri)*

Research Experience

- 2022 – present *Unit Leader*, USGS VT Cooperative Fish and Wildlife Research Unit, University of Vermont, Burlington, VT
- 2017 - 2022 *Acting Unit Leader*, USGS CA Cooperative Fish and Wildlife Research Unit, Humboldt State University, Arcata, CA
- 2016 - 2017 *Assistant Unit Leader*, USGS CA Cooperative Fish and Wildlife Research Unit, Humboldt State University, Arcata, CA
- 2012 - 2016 *Postdoctoral scholar*, University of California, Santa Cruz, CA
- 2007 - 2012 *Doctoral Student*, VA Inst Marine Science. Gloucester Pt., VA
- 2006 - 2007 *Lab and Research Specialist*, VA Inst Marine Science. Gloucester Pt., VA
- 2005 *Field Technician*, University of Washington. Seattle, WA
- 2002 - 2005 *Masters Student*, University of Washington. Seattle, WA
- 2001 - 2002 *Fisheries Biologist*, NOAA Alaska Fisheries Science Center. Seattle, WA
- 2000 *Fisheries Biological Technician*, USDA-Forest Service. Wrangell, AK
- 1998 - 2000 *Research Assistant*, SUNY Geneseo. Geneseo, NY

Teaching Experience

- Instructor Humboldt St Univ: Fish River Restoration Ecology (2021)
Humboldt St Univ: Aquatic Ecosystem Modeling (2021)
Humboldt St Univ: Fish River Restoration Ecology (2019)
Humboldt St Univ: Fisheries Ecological Modeling (2018)
Humboldt St Univ: Salmon Population Assessment (2017)
- Teaching Assistant Univ of Washington: Bioacoustical Oceanography (2005)

SUNY Geneseo: Invertebrate Zoology (2000)

Supervisory Experience

Graduate students (Major Advisor)	Jacqueline Bridegum (HSU, CA) Cory Dick (HSU, CA) John Deibner-Hanson (HSU, CA) Nick Van Vleet (HSU, CA) Hannah Coe (HSU, CA) Chris Loomis (HSU, CA) Nissa Kreidler (HSU, CA) Emily Chen (HSU, CA) Emerson Kanawi (HSU, CA) Natalie Okun (HSU, CA)
Graduate students (committee)	Grace Ghrist (HSU, CA) Brendan Foster (HSU, CA) Chris O'Keefe (HSU, CA) Josh Cahill (HSU, CA) Laura Solinger (HSU, CA) Maddie Halloran (HSU, CA) Max Ramos (HSU, CA) Max Grezlik (HSU, CA) Bobbie Suarez (U Hawaii Hilo, HI) Dylan Keel (HSU, CA) Natasha Ficzyycz (HSU, CA) Kathryn Stonecypher (HSU, CA)
Undergraduates	Alex Brett (College of the Atlantic, Bar Harbor, ME) Kristen Elsmore (UC Santa Cruz, Santa Cruz, CA)
High School	John Massie (The Collegiate School, Richmond, VA)

Competitive Grants and Fellowships

Delta Science Council (2021-2023) Mark Henderson (PI), Cyril Michel (Co-PI), Russell Perry (Co-PI), Arnold Ammann (Co-PI), Jeremy Notch (Co-PI) \$247,929.

State Water Contractors (2021-2023) Mark Henderson (PI), Andrew Kinziger (Co-PI) \$175,000

California Department of Transportation (2020-2022) Andrew Kinziger (PI), Eric Bjorkstedt (Co-PI), Andre Buchheister (Co-PI), Mark Henderson (Co-PI) 398,819.

Metropolitan Water District (2020-2022) Mark Henderson (PI), Wes Larson (Co-PI), Suresh Sethi (Co-Pi), Russell Perry (Co-PI), Frederick Feyrer (Co-PI) \$240,876.

Metropolitan Water District (2020-2021) Andrew Kinziger (PI), Mark Henderson (Co-PI) \$70,704.

Hoopa Valley Tribal Council (2019-2021) Darren Ward (PI), Mark Henderson (Co-PI), \$70,800.

US Fish and Wildlife Service (2018-2023) Mark Henderson (PI), Nicholas Som (Co-PI), \$118,321.

National Fish and Wildlife Foundation (2018-2020) Andrew Kinziger (PI), William Pinnix (Co-PI), Mark Henderson (Co-PI), \$95,418.

Save the Redwoods Foundation (2018-2020) Mark Henderson (PI), Andrew Kinziger (Co-PI), Emerson Kanawi (Co-PI), \$24,798.

Fisheries Restoration Grant Program (2017-2020) Darren Ward (PI), Mark Henderson (Co-PI). \$966,872.

Fisheries Restoration Grant Program (2017-2020) Mark Henderson (PI), Margaret Wilzbach (Co-PI). \$672,369.

Fisheries Restoration Grant Program (2017-2020) Margaret Wilzbach (PI), Mark Henderson (Co-PI). \$629,357.

California Department of Fish and Wildlife (2017-2018) Mark Henderson (PI) \$58,500

Confluence Environmental Company (2016-2018) Mark Henderson (PI) \$61,655

US Fish and Wildlife Service (2015-2020) Andrew Kinziger (PI), Margaret Wilzbach (Co-PI), Mark Henderson (Co-PI), \$93,664.

NOAA Deep Sea Coral Research and Technology Program (2015-2016) David Huff (PI), Mark Henderson (Co-PI), Mary Yoklavich (Co-PI). \$55,000.

US Fish and Wildlife Service (2014-2018) Marget Wilzbach (PI), Nicholas Som (Co-PI), Mark Henderson, (Co-PI) \$161,239.

NMFS Population Dynamics Sea Grant Graduate Fellowship (2009-2012) M. Henderson (PI), M. Fabrizio (Co-PI), S. Cadrin (Associate Investigator), and M. Terceiro (Associate Investigator). \$115,502.

Virginia Marine Resources Commission Recreational Fish Advisory Board (2008-2010) M. Fabrizio (PI) and M. Henderson (Co-PI). \$116,113.

Awards and Achievements

2020	USGS Performance Award
2019	USGS Performance Award
2018	USGS Star (Special Thanks for Achievement) Award
2014	VIMS Best Student Paper Award
2009	NOAA Fisheries/Sea Grant Population Dynamics Fellowship
2008	Fish Tagging and Marking Technology Symposium Travel Scholarship
2007	VIMS Hargis Award (outstanding academic achievement)
2007	VIMS Beazley Fellowship (recruitment fellowship)
2007	VIMS Doctoral Fellowship (recruitment fellowship)
2001	NSF Graduate Research Fellowship, Honorable Mention
1999	Geneseo Foundation Summer Student Fellowship

Professional Memberships and Service

Membership	American Fisheries Society (AFS), American Association for the Advancement of Science (AAAS), Ecological Society of America (ESA)
Reviewer	Canadian Journal of Fisheries and Aquatic Sciences, Fisheries Oceanography, Environmental Biology of Fishes, Estuaries and Coasts, Journal of the Acoustical Society of America, Hudson River Foundation, Journal of Fisheries Management and Ecology, North American Journal of Fisheries Management, Reviews in Fish Biology and Fisheries, Transactions of the American Fisheries Society, Marine and Coastal Fisheries, Woods Hole Sea Grant
Committees	American Fisheries Society Ballot Tally Committee, American Fisheries Society California-Nevada Annual Chapter Meeting Planning Committee (2017), North American Journal of Fisheries Management Best Publication Committee (2017-2019), VA Institute of Marine Science Graduate Student Association (treasurer), University of Washington Fisheries Interdisciplinary Network of Students (president)
Journal Editor	Associate Editor – Transactions of the American Fisheries Society Special Topic Editor – Frontiers in Marine Science Subject Matter Editor – Ecological Applications

Publications

Peer Reviewed

*denotes my graduate student

1. Chen, E.K.*, Som, N.A., Deibner-Hanson, J.*, Anderson, D.G., **Henderson, M.J.** *in press*. A life cycle model for evaluating estuary residency and restoration potential in Chinook salmon. Submitted to Fisheries research.
2. Robinson, D.H., **Henderson, M.J.**, H.E., Goodman, Perry, R.W., Som, N.A. *in press*. From site to system: approaches for producing system-wide estimates of fish habitat in large rivers. River Research and Applications.
3. Chen, E.K.* and **Henderson, M.J.** Reduced recruitment of Chinook salmon in a leveed bar-built estuary. 2021. Canadian Journal of Fisheries and Aquatic Sciences 78: 894-904.
4. **Henderson, M.J.**, Huff, D., and Yoklavich, M. Deep-Sea Coral and Sponge Taxa Increase Demersal Fish Diversity and the Probability of Fish Presence. 2020. Frontiers in Marine Science 7:593844. doi: 10.3389/fmars.2020.593844
5. Michel, C., **Henderson, M.J.**, Loomis, C.*, Smith, J., Demetras, N., Iglesias, I., Lehman, B., and Huff, D.D. 2020. Fish Predation on a Landscape Scale. Ecosphere 11(6):e03168. 10.1002/ecs2.3168 <https://doi.org/10.1002/ecs2.3168>
6. Winship A.J., Thorson J.T., Clarke M.E., Coleman H.M., Costa B., Georgian S.E., Gillett D., Grüss A., **Henderson M.J.**, Hourigan T.F., Huff D.D., Kreidler N.*, Pirtle J.L., Olson J.V., Poti M., Rooper C.N., Sigler M.F., Viehman S. and Whitmire C.E. 2020. Good Practices for Species Distribution Modeling of Deep-Sea Corals and Sponges for Resource Management: Data Collection, Analysis,

Validation, and Communication. *Front. Mar. Sci.* 7:303. doi: 10.3389/fmars.2020.00303

7. Notch J.J., McHuron A.S., Michel C.J., Cordoleani F., Johnson M., **Henderson M.J.**, and Ammann A.J. 2020. Outmigration survival of wild Chinook salmon smolts through the Sacramento River during historic drought and high water conditions. *Environmental Biology of Fishes* 103, 561-576.
8. Rub, AMW, Som, NA, **Henderson, MJ**, Sandford, BP, Van Doornik, DM, Teel, DJ, Tennis, MJ, Langness, OP, van der Leeuw, BK, and Huff, DD. 2019. Changes in adult Chinook salmon (*Onchorhynchus tshawytscha*) survival within the lower Columbia River amid increasing pinniped abundance. *Canadian Journal of Fisheries and Aquatic Sciences* 76: 1862-1873.
9. **Henderson, MJ**, Iglesias, IS, Michel, CJ, Ammann, AJ Huff, DD. 2019. Estimating spatial-temporal differences in Chinook salmon outmigration survival with habitat and predation related covariates. *Canadian Journal of Fisheries and Aquatic Sciences* 76: 1549-1561.
10. Robinson, H.E., Strickler, J.R., **Henderson, M.J.**, Hartline, D.K., and Lenz, P.H. 2019. Predation strategies of larval clownfish capturing evasive copepod prey. *Marine Ecology Progress Series* 614: 125-146.
11. **Henderson, M.**, Fiechter J., Huff, D.D., and Wells, B.K. 2019. Spatial Variability in ocean-mediated growth potential is linked to Chinook salmon survival. *Fisheries Oceanography* 28: 334-344
12. Wells, B., Santora, J., **Henderson, M.**, Huff, D., Field, J., and Ainley, D. 2017. Environmental conditions and prey-switching by a seabird predator impact juvenile salmon survival. *Journal of Marine Systems* 174: 54-63.
13. Sabal, M., Huff, D., **Henderson, M.**, and Hayes, S. 2016. Contrasting patterns in growth and survival of Central Valley fall run Chinook salmon related to hatchery and ocean conditions. *Environmental Biology of Fishes* 99: 949-967.
14. Hassrick, J.L., **Henderson, M.J.**, Sydeman, W.J., Harding, J.A., Ammann, A.J., Huff, D., Crandall, E.D., Bjorkstedt, E., Garza, J.C., and Hayes, S.A. 2016. Physical and environmental determinants of juvenile Chinook salmon dispersal in the Northern California Current. *Fisheries Oceanography* 25:133-146.
15. **Henderson, M.J.** and Fabrizio, M.C. 2014. Estimation of summer flounder mortality rates using mark-recapture data from a recreational angler-tagging program. *Fisheries Research* 159: 1-10.
16. **Henderson, M.J.** and Fabrizio, M.C. 2014. Small-scale vertical movements of summer flounder (*Paralichthys dentatus*) relative to diurnal, tidal, and temperature changes. *Marine and Coastal Fisheries* 6: 108-118.
17. **Henderson, M.J.**, Fabrizio, M.C., and Lucy, J.A. 2014. Movement patterns of summer flounder near an artificial reef: effects of fish size and environmental cues. *Fisheries Research* 153: 1-8.

18. **Henderson, M.J.** and Fabrizio, M.C. 2013. Detecting noncompliance in the summer flounder recreational fishery using a mark-recapture growth model. *North American Journal of Fisheries Management* 33: 1039-1048.
19. **Henderson, M.J.**, Horne, J.K., and Towler, R.J. 2008. The influence of beam position and swimming direction on fish target strength. *ICES Journal of Marine Science* 65: 226-237
20. **Henderson, M.J.** and Horne, J.K. 2007. Comparison of in situ, ex situ, and backscatter model estimates of Pacific hake (*Merluccius productus*) target strength. *Canadian Journal of Fisheries and Aquatic Sciences* 64: 1781-1794.

In Prep

1. **Henderson, M.J.**, Danner, E., Martin, B. Influence of food density on the growth and survival of juvenile salmon in the Sacramento River. Intended for *Transactions of the American Fisheries Society*
2. Kreidler, N.*, Buchheister, A., Fiechter J., Huff, D.D., and **Henderson, M.J.** Habitat suitability modeling for deep-sea corals and sponges in the Southern California Bight. Intended for *Frontiers in Marine Science*.
3. Coe, H.* and **Henderson, M.J.** Impacts of longline oyster aquaculture on benthic invertebrate communities. Intended for *Estuarine, Coastal, and Shelf Science*.
4. **Henderson, M.J.**, Loomis, C.*, Michel, C, Demetras, N., Iglesias, Il, Lehman, B., Smith, J. and Huff, D.D. Estimating density and distribution of piscivorous fishes relative to physical and environmental gradients using mobile dual-frequency identification sonar (DIDSON) surveys. Intended for *ICES Journal of Marine Science*
5. Van Vleet, N.*, Ward, D., Som, N., Barton, D., and **Henderson, M.** A time- and state- based approach to estimate movement and survival of juvenile salmon using PIT tag data. Intended for *Transactions of the American Fisheries Society*.

Other Publications

1. Deibner-Hanson, J.D. and Henderson, M. Life Cycle Monitoring of Coho Salmon in Prairie Creek 2017-2020. Final Report to Fisheries Restoration Grant Program Project Number P1610520. April 2021.
2. Deibner-Hanson, J.D. and Henderson, M. Redwood Creek Chinook Salmon Monitoring 2017-2020. Final Report to Fisheries Restoration Grant Program Project Number P1610535. June 2021.
3. Okun, N., McGuire, J., Henderson, M., Gallagher, S., Lang, E. and Mackey, E. Large Wood Restoration Effectiveness Monitoring in a Coastal Northern California Stream: A Paired Watershed Before-After-Control-Impact Study. Final Report to California Department of Fish and Wildlife Fisheries Restoration Grant Program May 2021.
4. Michel CJ, Loomis CM*, **Henderson MJ**, Smith JM, Demetras NJ, Iglesias IS, Lehman BM, & Huff DD. 2019. Linking predation mortality to predator density and survival for out-migrating Chinook Salmon and Steelhead in the lower San Joaquin River and South Delta. Report produced by National Marine Fisheries

Service (SWFSC) for the California Department of Fish and Wildlife under contract E1696020, 58 p.

5. Iglesias, I.S., **Henderson, M.J.**, Michel, C.J., Ammann, A.J., and Huff, D.D. 2017. Chinook salmon smolt mortality zones and the influence of environmental factors on out-migration success in the Sacramento River Basin. Final report to US Fish and Wildlife Service – Agreement Number F15PG00146. 30 pgs.
6. **Henderson, M.J.** 2012. Movements, growth, and mortality of Chesapeake Bay summer flounder based on multiple tagging technologies. Ph.D. dissertation. The College of William and Mary, Williamsburg, VA U.S.A.
[<http://web.vims.edu/library/theses/Henderson12.pdf>]
7. **Henderson, M.J.** and Fabrizio, M.C. 2011. Migration patterns of adult summer flounder from Chesapeake Bay: implications for stock structure. Final Report to Virginia Marine Resources Commission Marine Recreation Fishing Advisory Board, April 2011.
[http://mrc.virginia.gov/vsrfd/pdf/RF09-05_Feb11.pdf]
8. Fabrizio, M.C., **Henderson, M.J.**, and Lucy, J.A. 2007. Understanding localized movements and habitat associations of summer flounder in Chesapeake Bay using passive acoustic arrays. Final Report to Virginia Marine Resources Commission Marine Recreational Fishing Advisory Board, December 2007.
[http://www.mrc.state.va.us/vsrfd/pdf/RF06-11_Dec07.pdf]
9. **Henderson, M.J.** 2005. The influence of orientation on the target strength of Pacific hake (*Merluccius productus*). M.Sc. thesis. University of Washington, Seattle, WA U.S.A.
[http://weber.s.uw.edu/research/publications/ms_phd/Henderson_MS_A05.pdf]

Presentations

*denotes my graduate student

Invited

1. **Henderson, M.J.** Improving management and recovery of an endangered salmon that migrates through the world's most invaded estuary. February 18th, 2022
2. **Henderson, M.J.**, Kreidler, N., Buchheister, A., Yoklavich, M., Fiechter, J. and Huff, DD. The importance of accounting for spatial autocorrelation in habitat analyses. American Fisheries Society 151st meeting, Baltimore, MD. November 6-10, 2021. Virtual presentation.
3. **Henderson, M.J.** Using environmental data to explain spatial patterns in fish mortality and predation risk. University of Massachusetts Amherst. July 21, 2020.
4. **Henderson, M.J.** The importance of estuaries to juvenile Coho and Chinook salmon growth and survival. Oregon State University. January 27, 2020.
5. **Henderson, M.J.** Central Valley Chinook salmon smolt outmigration mortality in freshwater and estuarine habitats. NOAA Northwest Fisheries Science Center Monster Seminar Jam Series. December 5, 2019.
6. **Henderson, M.J.** Juvenile Chinook salmon mortality in different habitats during migration from freshwater to the ocean. University of Southern Mississippi Gulf Coast Research Laboratory. April 2019.
7. **Henderson, M.J.**, Huff, D.D., and Yoklavich, M. Association between deep-sea coral and sponge assemblages and demersal fishes in the Southern California Bight. NOAA deep-sea coral species distribution modeling workshop, Seattle, WA, February, 2019.
8. **Henderson, M.J.** How environmental conditions influence fish habitat preferences and mortality rates in various ecosystems. Humboldt State University Ecoseries - September 2017
9. **Henderson, M.J.** Combining empirical and theoretical models to study fish population dynamics. Humboldt State University. September 2015.
10. **Henderson, M.J.** Applying growth and food web models to understand fish population dynamics. National Oceanic and Atmospheric Administration, Santa Cruz, CA. December 2014.
11. **Henderson, M.J.** "Using growth models to discern angler noncompliance with minimum size regulations". NOAA/Sea Grant Populations Dynamics annual fellows meetings. San Diego, CA. April 24-25, 2012.
12. **Henderson, M.J.** Movements, growth, and mortality of Chesapeake Bay summer flounder based on multiple tagging technologies. National Oceanic and Atmospheric Administration, Santa Cruz, CA. November 2011.
13. **Henderson, M.J.** "Estimating natural mortality with data from an angler tagging program". NOAA/Sea Grant Populations Dynamics annual fellows meetings. Miami, FL. May 22-23, 2011.

14. **Henderson, M.J.** “Migration patterns and mortality rates of summer flounder based on multiple tagging technologies”. NOAA/Sea Grant Populations Dynamics annual fellows meetings. Seattle, WA. April 15-16, 2010.
15. Fabrizio, M.C. and **Henderson, M.J.** Designing an acoustic telemetry study with marine fishes. University of Maryland Eastern Shore, Princess Anne, MD. November 2008.

Contributed Papers (last 5 years)

1. Pope, K. L., M. P. Carey, D. R. DeVries, J. E. Garvey, M. Henderson, S. Hitchman, M. E. Mather, J. M. Smith, and R. W. Tingley. 2022. Researchers and managers: co-development of science-based management. Joint Aquatic Sciences Meeting, Grand Rapids, Michigan (Virtual).
2. Feyrer, F., Perry, R., Clause, J., Young, M., Huntsman, B., Larwood, V. Enos, E. Henderson, M., Dick, C., Larson, W., Shi, Y., Michel, C., and Nelson, T.R.. Quantifying the Role of Predation by Piscivorous Fishes as a Source of Juvenile Chinook Salmon Mortality in the Sacramento-San Joaquin Delta. Interagency Ecological Program annual workshop, March 22-24, 2022
3. Dick, C., Larson, W., and Henderson, M. How many salmon smolts are consumed in the Sacramento-San Joaquin Delta: quantifying predation with molecular methods. 151st annual meeting of the American Fisheries Society, Baltimore, MD, USA. November 6-10, 2021
4. Chen E. K. *, **Henderson M.J.** 2019. Barred from the Ocean: Consequences of a Unique Estuary Phenomenon on Recruitment of Chinook Salmon. American Fisheries Society 149th Annual Meeting, September 29 - October 3, 2019, Reno, NV.
5. Okun, N.* and **Henderson, M.** Large Wood Restoration Effectiveness for Salmonids in Pudding Creek, CA: A Before-After-Control-Impact Experiment. 149th annual meeting of the American Fisheries Society, September 29 - October 3, 2019. Reno, NV.
6. Kreidler, N.* Buchheister, A. and **Henderson, M.** (2019) Habitat Suitability Mapping for Fish Indicative Deep Sea Corals and Sponges in the Southern California Bight. 7th International Deep Sea Coral Symposium, July 29 – August 2, 2019, Cartagena, Columbia.
7. Kanawi, E. *, Kinziger, A., and **Henderson, M.** Using Environmental DNA Water Samples to Determine the Timing and Abundance of Outmigrating Coho Salmon. 37th Annual Salmonid Restoration Conference. April 23-26, 2019. Santa Rosa, CA.
8. Okun, N.* and **Henderson, M.** Large Wood Restoration Effectiveness for Salmonids in Pudding Creek, CA: A Before-After-Control-Impact Experiment. 37th Annual Salmonid Restoration Conference. April 23-26, 2019. Santa Rosa, CA.
9. Chen E. K. *, **Henderson M.J.** 2019. Barred from the Ocean: Consequences of a Unique Estuary Phenomenon on Juvenile Growth and Population Recruitment of Chinook Salmon in Redwood Creek. 37th Annual Salmonid Restoration Conference, April 23-26, 2019. Santa Rosa, CA.

10. Kanawi, E.*, Kinziger, A., and **Henderson, M.** Using Environmental DNA Water Samples to Determine the Timing and Abundance of Outmigrating Coho Salmon. 55th Annual Meeting of the Oregon Chapter of the American Fisheries Society. March 4-8, 2019. Bend, OR.
11. Chen E. K.*, **Henderson M.J.** 2019. Contribution of Estuarine Rearing in a Bar-Built Estuary to Chinook Salmon Using a Hierarchical Life Cycle Model. Oregon Chapter of the American Fisheries Society 55th Annual Meeting, March 4-8, 2019. Bend, OR.
12. Loomis C.* and **Henderson M.** 2018. Estimating Delta predatory fish abundance with DIDSON acoustic cameras. 10th biennial Bay-Delta Science Conference, Sacramento, CA. September 10-12, 2018.
13. Michel C., Smith, J., Demetras N., Iglesias I., Lehman B., Loomis C.*, **Henderson M.**, Huff D. 2018. Spatial patterns and environmental associations of piscivorous predation throughout the south Sacramento-San Joaquin River Delta in 2017. 10th biennial Bay-Delta Science Conference, Sacramento, CA. September 10-12, 2018.
14. Kreidler N.*, Buchheister A., and **Henderson M.** 2018. Habitat Suitability Mapping for Southern California Bight Deep Sea Corals and Sponges. 15th Deep-Sea Biology symposium. Monterey, CA. Sept 9-14, 2018.
15. **Henderson, M.J.**, I. Iglesias, C. Michel, D. Huff, E. Danner, and S. Hayes. 2018. Processes influencing outmigrating Chinook Salmon survival in the Sacramento River. 148th Annual Meeting, American Fisheries Society, Atlantic City, NJ, 19-23 August 2018.
16. H.E. Robinson, J.R. Strickler, **M.J. Henderson**, D.K. Hartline, P.H. Lenz. 2018. Predation strategies of larval fish capturing evasive copepod prey. 42nd Annual Larval Fish Conference. Victoria, British Columbia, Canada, June 24-28th, 2018.
17. Solinger L., Bjorkstedt E., Buchheister A., **Henderson M.**, and Field J. 2018. Developing spatially-explicit stock assessment models to explore spatial variability in recruitment of Chilipepper Rockfish (*Sebastes goodei*). 13th National Stock Assessment Workshop. Irvine, CA. May 22-24, 2018.
18. Loomis C.* and **Henderson M.** 2018. Estimating predator fish density and abundance in the Sacramento-San Joaquin Delta using DIDSON Acoustic cameras. 36th annual salmonid restoration conference. Fortuna, CA. April 11-14, 2018.
19. Van Vleet N.*, **Henderson M.J.**, Ward, D. 2018. Winter movement and survival of juvenile Coho Salmon in Freshwater Creek, California. Oregon Chapter of the American Fisheries Society 54nd Annual Meeting, Eugene, OR. March 13-16, 2018.
20. Chen E. K.*, **Henderson M.J.** 2018 Contribution of juvenile estuarine residency to Chinook Salmon recruitment in Redwood Creek, California. Oregon Chapter of the American Fisheries Society 54nd Annual Meeting, Eugene, OR. March 13-16, 2018.
21. Chen E. K.*, **Henderson M.J.** 2018 Contribution of juvenile estuarine residency to Chinook Salmon recruitment in Redwood Creek, California. Cal-Neva Chapter of

the American Fisheries Society 52nd Annual Meeting, San Luis Obispo, CA. Feb 28-March 2, 2018.

22. Van Vleet N.*, **Henderson M.J.**, Ward, D. 2018. Winter movement and survival of juvenile Coho Salmon in Freshwater Creek, California. 52nd Annual California-Nevada American Fisheries Society meeting, San Luis Obispo, CA. Feb 28 - March 2, 2018.
23. **Henderson, M.J.**, Huff, D.D., and Yoklavich, M. 2018. Associations between deep-sea coral and sponge assemblages and demersal fishes in the Southern California Bight. 2018 Ocean Sciences Meeting, Portland OR, 11-16 September 2018.
24. **Henderson, M.J.**, Iglesias, I.S., Michel, C. Danner, E., Pike, A, Hayes, S., and Huff, D. Mortality of Central Valley Chinook Salmon smolts relative to physical habitat features. 51st Annual California Nevada American Fisheries Society Meeting, Eureka, CA April 5-7, 2017.