

Department Publications Report
Published Dates: January 1, 2016 - December 31, 2016¹

10002344 - FISHERIES AND WILDLIFE

NOTE: This report is best served to be run on a calendar-year basis.

This is a report of published works by faculty and academic staff with a Primary Appointment in the selected department(s). The publications are unique across departments (e.g., no duplication if a publication is shared among authors).

Published Contributions²	Peer Reviewed/ Refereed³	Non-Peer Reviewed/ Refereed	Total	Contribution Types Included:
Journal Articles	117	16	133	Article, Journal
Other Articles	2	7	9	Article, Magazine/Trade Publication, Article, Newsletter/Brochure/Fact Sheet, Article, Newspaper, Article, Opinion/Editorial, Column (Recurring), Journal, Column (Recurring), Magazine/Trade Publication, Column (Recurring), Newspaper, Manuscript, Newsletter/Brochure/Fact Sheet, Reference Material Entry, Translation, Periodical, USGS Circular
Books	0	1	1	Book, Book, Handbook, Book, Textbook, Translation, Book
Book Chapters	3	11	14	Book, Chapter
Bulletins and Monographs	0	0	0	Bulletin/Monograph
Reviews	0	0	0	Review
Papers for Presentations	0	3	3	Abstract, Conference Paper Published in Proceedings, Conference Proceedings
Reports or Studies	3	6	9	Report, Brief, Policy/Issue/Synthesis, Discussion Paper/Working Paper
Contributions in Other Scholarly Outlets	0	2	2	Arrangement, Blog, Composition, Dataset, Instructor's Manual, Material Regarding New Course/Curricula, Other, Recording, Social Media, Software, Study Guide, Users' Guide/Manual, Website/Web Page, Written Case for Instructional Use
Total	125	46	171	

¹ This report includes publication records with a Date Published in Academic Profile that overlaps with the dates of this report. Records without a Date Published are not included.

² The Published Contributions in bold align with Form D (used for reappointment, promotion, and tenure). The non-bold category includes all other contributions captured by Academic Profile.

³ Publication records in Academic Profile with "Check if this was refereed" populated are counted in the Peer Reviewed/Refereed column.

Department Publications Report
Published Dates: January 1, 2016 - December 31, 2016¹

10002344 - FISHERIES AND WILDLIFE

Journal Articles

- *Clark, R. D., Bence, J. R., Claramunt, R., Johnson, J. E., Gonder, D., & Legler, N. D. (2016). A spatially explicit assessment of changes in Chinook Salmon fisheries in lakes Michigan and Huron from 1986 to 2011. *North American Journal of Fisheries Management*, 36(5), 1068-1083.
- *Fielder, D. G., Jones, M. L., & Bence, J. R. (2016). Analysis of management options and value of information for the Saginaw Bay stock of walleyes based on stochastic simulations. *North American Journal of Fisheries Management*, 36, 407-420.
- *Bence, J. R., Madenjian, C. P., He, J. X., Fielder, D. G., Pothoven, S. A., Dobiesz, N. E., Johnson, J. E., Ebener, M. P., Cottrill, R. A., Mohr, L. C., & Koproski, S. R. (2016). Reply to comments by Riley and Dunlop on He et al. *Canadian Journal of Fisheries and Aquatic Sciences*, 1-4.
- *He, J. X., Bence, J. R., Roseman, E. F., Fielder, D. G., & Ebener, M. P. (2016). Using time-varying asymptotic length and body condition of top piscivores to indicate ecosystem regime shift in the main basin of Lake Huron: A Bayesian hierarchical modeling approach. *Canadian Journal of Fisheries and Aquatic Sciences*, 73, 1092-1103. doi: 10.1139/cjfas-2015-0235
- *Li, Y., Bence, J. R., & Brenden, T. O. (2016). The influence of stock assessment frequency on the achievement of fishery management objectives. *North American Journal of Fisheries Management*, 36, 793-812.
- *Stevens, B. S., Bence, J. R., Porter, W. F., & Parent, C. J. (2016). Ecology matters: Robustness and management tradeoffs for maximum harvests of wild turkeys. *Proceedings of the National Wild Turkey Symposium*, 11, 189-210.
- *Tsehaye, I., Brenden, T. O., Bence, J. R., Liu, W., Scribner, K. T., Kanefsky, J., Bott, K., & Elliott, R. F. (2016). Combining genetics with age/length data to estimate temporal changes in year-class strength of source populations contributing to mixtures. *Fisheries Research*, 173, 236-249. Retrieved from <http://dx.doi.org/10.1016/j.fishres.2015.09.004> doi: 10.1016/j.fishres.2015.09.004, ISSN: 0165-7836
- *Standish, I. F., Millard, E. V., Brenden, T. O., & Abdel-Kariem, M. F. (2016). A DNA vaccine encoding the viral hemorrhagic septicemia virus genotype IVb glycoprotein confers protection in muskellunge (*Esox masquinongy*), rainbow trout (*Oncorhynchus mykiss*), brown trout (*Salmo trutta*), and lake trout (*Salvelinus namaycush*). *Virology Journal*, 13, 203.
- *Standish, I. F., Brenden, T. O., & Abdel-Kariem, M. F. (2016). Does herd immunity exist in aquatic animals? *International Journal of Molecular Sciences*, 17, 1898.
- *Johnson, N. S., Brenden, T. O., Swink, W. D., & Lipps, M. (2016). Survival and metamorphosis of larval sea lamprey (*Petromyzon marinus*) residing in Lakes Michigan and Huron near river mouths. *Journal of Great Lakes Research*, 42, 1461-1469.
- *Cooper, A. R., Infante, D. M., Wehrly, K. E., Wang, L., & Brenden, T. O. (2016). Identifying indicators and quantifying large-scale effects of dams on fishes. *Ecological Indicators*, 61, 646-657.
- *Buchinger, T. J., Li, K., Huertas Pau, M. D. M., Baker, C. F., Jia, L., Hayes, M. C., Li, W., & Johnson, N. S. (2016). Evidence for partial overlap of male olfactory cues in lampreys. *The Journal of Experimental Biology*. Retrieved from <http://dx.doi.org/10.1242/jeb.149807> doi: 10.1242/jeb.149807, ISSN: 0022-0949
- *Brant, C. O., Johnson, N. S., Li, K., Buchinger, T. J., & Li, W. (2016). Female sea lamprey shift orientation toward a conspecific chemical cue to escape a sensory trap. *Behavioral Ecology*, 27(3), 810-819. Retrieved from <http://dx.doi.org/10.1093/beheco/arv224> doi: 10.1093/beheco/arv224, ISSN: 1045-2249
- *Li, K., Scott, A. C., Chung-Davidson, Y.-W., Bussy, U., Patel, T., Middleton, Z., & Li, W. (2016). Quantification of oxidized and unsaturated bile alcohols in Sea Lamprey tissues by ultra-high performance liquid chromatography-tandem mass spectrometry. *Molecules*, 21(9), 1119. Retrieved from <http://dx.doi.org/10.3390/molecules21091119> doi: 10.3390/molecules21091119, ISSN: 1420-3049

Department Publications Report
Published Dates: January 1, 2016 - December 31, 2016¹

10002344 - FISHERIES AND WILDLIFE

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- *Wang, H., Bussy, U., Chung-Davidson, Y.-W., & Li, W. (2016). Ultra-performance liquid chromatography tandem mass spectrometry for simultaneous determination of natural steroid hormones in sea lamprey (*Petromyzon marinus*) plasma and tissues. *Journal of Chromatography B, Analytical Technologies in the Biomedical and Life Sciences*, *1009-1010*, 170-178. doi: 10.1016/j.jchromb.2015.12.030, ISSN: 1570-0232
- *Rinkus, M. A., Dobson, T., Gore, M. L., & Dreelin, E. A. (2016). Collaboration as process: A case study of Michigan's watershed permit. *Water Policy*. doi: 10.2166/wp.2015.202.
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- *Lute, M. L., Navarrete, C. D., Nelson, M. P., & Gore, M. L. (2016). Moral dimensions of human-wildlife conflict. *Conservation Biology*. doi: DOI: 10.1111/cobi.12731
- *McCarthy, S., Tambe, M., Kiekintveld, C., Gore, M. L., & Killion, A. (2016). Preventing illegal logging: Simultaneous optimization of resource teams and tactics for security. *Association for the Advancement of Artificial Intelligence*.
- *Gore, M. L., Ratsimbazafy, J. H., Rajaonson, A., Lewis, A., & Kahler, J. S. (2016). Public perceptions of poaching risks in a biodiversity hotspot: implications for wildlife trafficking interventions. *Journal of Trafficking, Organized Crime and Security*.
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- *Stoller, J., Hayes, D. B., & Murry, B. (2016). Effects of a rock-ramp fishway on summer fish assemblage in a Lake Huron tributary. *Fisheries Management and Ecology*, *23*, 407-417.
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Department Publications Report
Published Dates: January 1, 2016 - December 31, 2016¹

10002344 - FISHERIES AND WILDLIFE

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- *Robinson, J. M., Wilberg, M. J., Adams, J. V., & Jones, M. L. (2016). Tradeoff between assessment and control of aquatic invasive species: A case study of sea lamprey management in the St. Marys River. *North American Journal of Fisheries Management*, 36, 11-20.
- *Johnson, N. S., Swink, W. D., Dawson, H. A., & Jones, M. L. (2016). Effects of coded wire tagging on stream dwelling Sea Lamprey larvae. *North American Journal of Fisheries Management*, 36, 1059-1067.
- *Honeyfield, D. C., Peters, A. K., & Jones, M. L. (2016). Thiamine and lipid utilization in fasting Chinook salmon. *North Pacific Anadromous Fish Commission Bulletin*.
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- *Dawson, H. A., Jones, M. L., Irwin, B. J., Wagner, M., & Syzmanski, M. (2016). Management strategy evaluation of a new control tactic to manage an invasive fish. *Natural Resource Modeling*, 29, 448-469.
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- *Zu, Y., Zhang, X., Ren, J., Dong, X., Zhu, Z., Jia, L., Zhang, Q., & Li, W. (2016). Biallelic editing of a lamprey genome using the CRISPR/Cas9 system. *Scientific Reports*, 6.
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Department Publications Report
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10002344 - FISHERIES AND WILDLIFE

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- *Yang, W., Hyndman, D. W., Winkler, J. A., Vina, A., Deines, J. M., Lupi, F., Luo, L., Li, Y., Basso, B., Zheng, C., Ma, D., Li, S., Liu, X., Zheng, H., Cao, G., Meng, Q., Ouyang, Z., & Liu, J. (2016). Urban water sustainability: Framework and application. *ECOLOGY AND SOCIETY*, 21(4). doi: 10.5751/ES-08685-210404, ISSN: 1708-3087
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- *Abdel-Kariem, M. F., Baird, A., Winters, A. D., Millard, E. V., Marcquenski, S., Hsu, H. M., Hennings, A., Bochsler, P., Standish, I., Loch, T. P., Gunn, M. R., & Warg, J. (2016). Isolation of the Fathead Minnow Nidovirus from Muskellunge Experiencing Lingering Mortality. *Journal of aquatic animal health*, 28(2), 131-41. doi: 10.1080/08997659.2016.1159620, ISSN: 0899-7659
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- *Moll, R. J., Steel, D. P., & Montgomery, R. A. (2016). AIC and the challenge of complexity: A case study from ecology. *Studies in History and Philosophy of Science Part C: Studies in History and Philosophy of Biological and Biomedical Sciences*, 60, 35-43.
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Department Publications Report
Published Dates: January 1, 2016 - December 31, 2016¹

10002344 - FISHERIES AND WILDLIFE

- *Kilshaw, K., Montgomery, R. A., Campbell, R., Johnson, P., Macdonald, D. W., & Millsbaugh, J. J. (2016). Mapping the spatial configuration of hybridization risk for the endangered Scottish wildcat (*Felis silvestris silvestris*). *Acta Theriologica*, *61*, 1-11.
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- *Muneza, A. B., Montgomery, R. A., Fennesy, J. T., Dickman, A. J., Roloff, G. J., & McDonald, D. W. (2016). Regional variation, prevalence, and severity of Giraffe Skin Disease: A review of an emerging disease in wild and captive giraffe populations. *Biological Conservation*, *198*, 145-156. doi: 10.1016/j.biocon.2016.04.014
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Department Publications Report
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10002344 - FISHERIES AND WILDLIFE

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10002344 - FISHERIES AND WILDLIFE

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