

Michael Robert Rochford

3205 College Ave
Davie, Florida 33314

Ph: 954-577-6304
Em: miker@ufl.edu

PROFESSIONAL & RESEARCH EXPERIENCE

Invasive Species Coordinator, University of Florida, Fort Lauderdale, FL **2012-Present**

- Project manager for multifaceted research on invasive herpetofauna
- Project manager for American Crocodile (*Crocodylus acutus*) and American Alligator (*Alligator mississippiensis*) research projects beginning March 2016
- Hired, supervised, and sometimes terminated staff to maintain reliable team of approximately twelve technicians and coordinated volunteer activities
- Authored proposals, reports, and peer-reviewed publications and presented posters and presentations at conferences
- Implemented systematic surveys for native and non-native herpetofauna and mammals
- Conducted radio-telemetry and trapping of Burmese Pythons (*Python bivittatus*), Nile Monitors (*Varanus niloticus*), and Argentine Black and White Tegus (*Salvator merianae*)
- Managed intake, necropsy, and sampling of specimens, particularly Burmese Pythons, Argentine Black and White Tegus, Nile Monitors, and Northern African Pythons (*Python sebae*)
- Summarized data and prepared reports for funding agencies; presented findings at cooperator and partner meetings, workshops, and conferences; and wrote articles for peer-reviewed scientific journals
- Used software (e.g., Microsoft Office suite, ArcGIS, Garmin MapSource and BaseCamp, etc.) to manage project information, perform quality assurance/quality control on data, and produce synopses, reports, and publications
- Actively sought new populations of nonnative reptiles in response to leads from agencies and amateur herpetologists
- Coordinated staff working on projects studying relative abundance, body condition, and nesting of crocodylians through spotlight surveys and captures
- Applied for, maintained, and wrote reports for permits from U.S. Fish & Wildlife Service, U.S. National Park Service, Florida Fish and Wildlife Conservation Commission, University of Florida's Institutional Animal Care & Use Committee (IACUC), and Miami-Dade County for research with threatened/endangered and nonnative species
- Flawless safety record driving work trucks, airboats, and motorboats; operating from fixed-wing aircraft and helicopters; and capturing all species of native and nonnative reptiles in southern Florida including venomous snakes, crocodylians, and large constrictors

Biological Science Technician, GS-05, United States Geological Survey, Dixon, CA **2012**

- Built, deployed, and checked traps to capture Giant Gartersnakes (*Thamnophis gigas*) in wetlands and canals of the central valley of California
- Similar duties with San Francisco Gartersnakes (*Thamnophis sirtalis tetrataenia*) in coastal California
- Responsible for data collection, entry, and quality control.
- Worked well independently and in teams in remote areas under primitive living conditions without supervision.

Wildlife Biologist, University of Arizona, Tucson, AZ **2011**

- Captured Flat-tailed Horned Lizards (*Phrynosoma mcallii*) by following tracks
- Attached radio-transmitters and radio-tracked lizards to obtain visuals on animals or determine their location within 1 meter if underground
- Collected morphometric and capture data and recorded in iPod or Microsoft Excel file
- Recorded encounter data for all reptile species encountered during course of field work
- Captured venomous and non-venomous snakes, collected their morphometric and capture data, and implanted them with PIT tags.
- Venomous snakes were administered Isoflurane to temporarily anesthetize them before processing.
- Used GPS, Holohil transmitters, and a Kestrel (to record environmental data).
- Required long days in extremely hot temperatures (over 45 °C).

Wildlife Research Assistant, University of Florida, Fort Lauderdale, FL **2006-2012**

- Conducted radio-telemetry and diet analysis of Burmese Pythons in and around Everglades National Park
- Radio-tracked Burmese Pythons, American Alligators, and American Crocodiles by triangulation from the ground, fixed-wing aircraft, and helicopter
- Assisted in surgical implantation of radio-transmitters in pythons.
- Performed spotlight surveys and captured American Alligators and American Crocodiles to collect morphometric data for long-term monitoring
- Designed and conducted road survey measuring encounter rates of snakes and mammals to assess the impact of Burmese Pythons on native snake and mammal communities in Everglades National Park
- Capture of venomous and nonvenomous snakes required to obtain morphometric data.
- Full-time until January 2011 and then worked remotely and part-time until returning to Florida and being promoted.

Field Technician, Towson University, Laclede, MO

2004

- Responsible for radio-telemetry of Eastern Massasauga Rattlesnakes (*Sistrurus catenatus*) in central Missouri
- Built and checked drift fences equipped with funnel traps designed to catch snakes for a mark/recapture study
- Weighed, sexed, drew blood, and PIT-tagged venomous snakes alone in the field
- Collected, entered, and maintained data

Field Biologist

2003

- Surveyed northeastern Colorado in search of new geographic records of reptiles and amphibians
- Successfully documented several county records and learned safe handling practices for venomous snakes.

EDUCATION

B.S., Biology, Kansas State University, Manhattan, KS, 66506. Graduated May 2004.

PUBLICATIONS

- Card, D.C., B.W. Perry, R.H. Adams, D.R. Schield, A. Young, A.L. Andrew, T. Jezkova, M.R. Walsh, S.M. Secor, **M. Rochford**, F. Mazzotti, K. Hart, M. Hunter, and T.A. Castoe. Submitted. Genomic evidence for rapid evolution and adaptation in invasive Florida Burmese pythons. *Proceedings of the National Academy of Sciences of the United States of America*.
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- Harvey, R.G., **M. Rochford**, J. Ketterlin, E.M. Metzger III, J. Nestler, and F.J. Mazzotti. 2017. Everglades Invasive Reptile and Amphibian Monitoring Program. University of Florida. Institute of Food and Agricultural Sciences. 5p. http://edis.ifas.ufl.edu/pdf/IFAS_UW/UW43100.pdf
- Gioeli, K, F. Mazzotti, E. Metzger, **M. Rochford**, and A. Thompson. 2016. The Everglades invasive reptile and amphibian monitoring (EIRAMP) citizen science program. *Proceedings of the Florida State Horticultural Society* 129:294-296. https://fshs.org/proceedings-x/2016-vol-129/FSHS_Vol_129/294-296.pdf
- Mazzotti, F.J., **M. Rochford**, J. Vinci, B.M. Jeffery, and J.K. Eckles. 2016. Implications of the 2013 Python Challenge™ for ecology and management of the Burmese Python (*Python molurus bivittatus*) in Florida. *Southeastern Naturalist* 15(Special Issue 8):63-74. <http://www.bioone.org/doi/pdf/10.1656/058.015.sp807>

- Mazzotti, F.J., M.S. Cherkiss, J.S. Beauchamp, **M.R. Rochford**, B.J. Smith, K.M. Hart, and L.A. Brandt. 2016. Large reptiles and cold temperatures: Do extreme cold spells set distributional limits for reptiles in Florida? *Ecosphere* 7(8):1-9.
<http://onlinelibrary.wiley.com/doi/10.1002/ecs2.1439/epdf>
- Smith, B.J., M.S. Cherkiss, K.M. Hart, **M.R. Rochford**, T.H. Selby, R.W. Snow, and F.J. Mazzotti. 2016. Betrayal: Radio-tagged Burmese Pythons reveal locations of conspecifics in Everglades National Park. *Biological Invasions* 18(11):3239-3250.
<https://link.springer.com/content/pdf/10.1007%2Fs10530-016-1211-5.pdf>
- **Rochford, M.R.**, K.L. Krysko, F.J. Mazzotti, M.H. Shirley, M.W. Parry, J.A. Wasilewski, J.S. Beauchamp, C.R. Gillette, E.F. Metzger III, M.A. Squires, and L.A. Somma. 2016. Molecular analyses confirming the introduction of Nile Crocodiles, *Crocodylus niloticus* Laurenti 1768 (Crocodylidae), in southern Florida, with an assessment of potential for establishment, spread and impacts. *Herpetological Conservation and Biology* 11(1):80–89.
http://www.herpconbio.org/Volume_11/Issue_1/Rochford_etal_2016.pdf
- Krysko, K.L., L.A. Somma, D.C. Smith, C.R. Gillette, D. Cueva, J.A. Wasilewski, K.M. Enge, S.A. Johnson, T.S. Campbell, J.R. Edwards, **M.R. Rochford**, R. Tompkins, J.L. Fobb, S. Mullin, C.J. Lechowicz, D. Hazelton, and A. Warren. 2016. New verified nonindigenous amphibians and reptiles in Florida through 2015, with a summary of over 152 years of introductions. *IRCF Reptiles & Amphibians* 23(2):110-143.
http://www.ircf.org/journal/wp-content/uploads/2016/08/RA-23.2_110-143_Krysko-etal.pdf
- Wolf, A.J., T.M. Walters, **M.R. Rochford**, R.W. Snow, and F.J. Mazzotti. 2016. Incubation temperature and sex ratio of a *Python bivittatus* (Burmese Python) clutch hatched in Everglades National Park, Florida, USA. *Southeastern Naturalist* 15:35-39.
<http://www.bioone.org/doi/pdf/10.1656/058.015.sp803>
- Mendyk, R.W., Krysko, K.L., **M. Rochford**, S. Wallace, and F.J. Mazzotti. 2016. Reproductive notes on a gravid *Python sebae* field-collected from southern Florida, USA. *IRCF Reptiles & Amphibians* 23(1):16–20.
http://www.ircf.org/journal/wp-content/uploads/2016/03/RA-23.1_16-20_Mendyk-etal_print.pdf
- **Rochford, M.R.**, J.M. Lemm, K.L. Krysko, L.A. Somma, R.W. Hansen, and F.J. Mazzotti. 2015. Spreading holiday spirit and Northwestern Salamanders, *Ambystoma gracile* (Baird 1859) (Caudata: Ambystomatidae), Across the USA. *IRCF Reptiles & Amphibians* 22(3):126–127.
<https://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1014&context=biosciherpetology>
- Smith, B.J., **M.R. Rochford**, M. Brien, M.S. Cherkiss, F.J. Mazzotti, S. Snow, and K.M. Hart. 2015. Largest Breeding Aggregation of Burmese Pythons (*Python bivittatus*) Kuhl 1820 (Squamata: Pythonidae) and Implications for Potential Development of a Control Tool. *IRCF Reptiles & Amphibians* 22(1):16–19.
https://www.researchgate.net/publication/273457956_Largest_Breeding_Aggregation_of_Burmese_Pythons_Python_bivittatus_Kuhl_1820_Squamata_Pythonidae_and_Implications_for_Potential_Development_of_a_Control_Tool
- Krysko, K.L., D.C. Smith, **M.R. Rochford**, G.N. Kieckhefer III, and L.P. Nunez. 2014. Confirmation of introduced Louisiana pinesnakes, *Pituophis ruthveni*, in Florida based on molecular analyses. *Amphibian & Reptile Conservation* 8(2):36–43.
[http://amphibian-reptile-conservation.org/pdfs/Volume/Vol_8_no_2/ARC_8_2_\[General_Section\]_36-43_e86_low_res.pdf](http://amphibian-reptile-conservation.org/pdfs/Volume/Vol_8_no_2/ARC_8_2_[General_Section]_36-43_e86_low_res.pdf)
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- Mazzotti, F.J., M. McEachern, **M. Rochford**, R.N. Reed, J. Ketterlin Eckles, J. Vinci, J. Edwards, and J. Wasilewski. 2014. *Tupinambis merianae* as nest predators of crocodylians and turtles in Florida, USA. *Biological Invasions* 17(1):47–50. DOI 10.1007/s10530-014-0730-1.
<http://crocdoc.ifas.ufl.edu/publications/articles/Mazzotti2014.pdf>
- **Rochford, M.R.**, J.R. Edwards, P.L. Howell, J. Ketterlin Eckles, L.A. Barraco, L.L. Connor, M.J. Curtis, K.L. Krysko, and F.J. Mazzotti. 2013. The Panther Chameleon, *Furcifer pardalis* (Cuvier 1829) (Chamaeleonidae), Another Introduced Chameleon Species in Florida. *IRCF Reptiles & Amphibians* 20(4):205–207.
http://www.ircf.org/journal/wp-content/uploads/2013/12/RA_20.4_205-207_IntroSpec-Rochford-etal_print.pdf
- Dorcas, M.E., J.D. Willson, R.N. Reed, R.W. Snow, **M.R. Rochford**, M.A. Miller, W.E. Meshaka, Jr., P.T. Andreadis, F.J. Mazzotti, C.M. Romagosa and K.M. Hart. 2012. Severe mammal declines coincide with

proliferation of invasive Burmese pythons in Everglades National Park. *Proceedings of the National Academy of Sciences of the United States of America* 109(7):2418–2422.

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- Fujisaki, I, F.J. Mazzotti, K.M. Hart, K.G. Rice, D. Ogurcak, **M. Rochford**, B.M. Jeffery, L.A. Brandt, and M.S. Cherkiss. 2012. Use of alligator hole abundance and occupancy rate as indicators for restoration of a human-altered wetland. *Ecological Indicators* 23:627–633. <http://www.evergladeshub.com/lit/pdf12/Fujisaki12-EcolIndic23.627-33-AlligHolesIndicWetlands.pdf>
- **Rochford, M.R.**, K.L. Krysko and K.P. Wray. 2011. The Marbled Treefrog (*Dendropsophus marmoratus* [Laurenti 1768]) (Hylidae), Another Introduced Amphibian Species in Florida. *IRCF Reptiles & Amphibians* 18(4):248. https://www.floridamuseum.ufl.edu/museum-voices/kenney-krysko/files/2014/05/2011_Rochford_et_al_Dendropsophus_marmoratus.pdf
- Krysko, K.L., J.P. Burgess, **M.R. Rochford**, C.R. Gillette, D. Cueva, K.M. Enge, L.A. Somma, J.L. Stabile, D.C. Smith, J.A. Wasilewski, G.N. Kieckhefer III, M.C. Granatosky, and S.V. Nielsen. 2011. Verified nonindigenous amphibians and reptiles in Florida from 1863 through 2010: outlining the invasion process and identifying invasion pathways and stages. *Zootaxa* 3028:1–64. https://www.floridamuseum.ufl.edu/museum-voices/kenney-krysko/files/2014/05/2011_Krysko_et_al_Verified_herps_in_Florida.pdf
- Dove, C., R.W. Snow, **M.R. Rochford**, and F.J. Mazzotti. 2011. Birds preyed upon by the introduced Burmese python (*Python molurus bivittatus*), in Everglades National Park, FL. *Wilson Journal of Ornithology* 123(1):126–131. <http://www.bioone.org/doi/pdf/10.1676/10-092.1>
- Mazzotti, F.J., M.S. Cherkiss, K.M. Hart, S. Snow, **M.R. Rochford**, M.E. Dorcas and R. Reed. 2010. Cold-induced mortality of invasive Burmese pythons in South Florida. *Biological Invasions* 12:2585–2596. <https://www.nps.gov/ever/learn/nature/upload/PythonColdMortalityLoRes.pdf>
- Gillette, C.R., K.L. Krysko, J.A. Wasilewski, G.N. Kieckhefer III, E.F. Metzger III, **M.R. Rochford**, D. Cueva, and D.C. Smith. 2010. Oustalet's Chameleon, *Furcifer oustaleti* (Mocquard 1894) (Chameleonidae), a Non-indigenous Species Newly Established in Florida. *IRCF Reptiles and Amphibians* 17(4):248–249. http://bugwoodcloud.org/mura/ECISMA/assets/File/2010_Gillette_et_al_Furcifer_oustaleti.pdf
- **Rochford, M.**, M.L. Brien, J. Carrigan, R.W. Snow, and F.J. Mazzotti. 2010. *Python molurus bivittatus* (Burmese python): Clutch Size. *Herpetological Review* 41.
- **Rochford, M.**, K.L. Krysko, J. Nifong, L. Wilkins, R.W. Snow, and M.S. Cherkiss. 2010. *Python molurus bivittatus* (Burmese python): Diet. *Herpetological Review* 41.
- **Rochford, M.**, K. Hines, and F.J. Mazzotti. 2010. *Tantilla oolitica* (Rim Rock Crowned Snake): Behavior. *Herpetological Review* 41.
- Beauchamp, J.S., M.S. Cherkiss, **M.R. Rochford**, and F.J. Mazzotti. 2010. A recent capture of a large American crocodile in Florida. *Florida Field Naturalist* 37(4):149–150. https://sora.unm.edu/sites/default/files/FFN_37-4_p149.pdf
- Krysko, K.L., M. Granatosky, Z.W. Fratto, J.L. Kline, and **M.R. Rochford**. 2010. *Caiman crocodilus* (Spectacled Caiman): Prey. *Herpetological Review* 41(3):348-349.
- Fujisaki, I, F. Mazzotti, K. Rice, S. Snow, K. Hart, and **M. Rochford**. 2009. Risk assessment of potential invasiveness of exotic reptiles to South Florida based on import pathway. *Biological Invasions* 12:2585-2596. http://www.ces.fau.edu/usgs/pdfs/exotic_reptiles.pdf
- Harvey, R.G., M.L. Brien, M.S. Cherkiss, M. Dorcas, **M. Rochford**, R.W. Snow, and F.J. Mazzotti. 2008. Burmese pythons in South Florida: scientific support for invasive species management. WEC242. Gainesville (FL): University of Florida Institute of Food and Agricultural Sciences. 9p. <http://edis.ifas.ufl.edu/UW286>
- Harvey R.G., M.L. Brien, M.S. Cherkiss, M. Dorcas, **M. Rochford**, R.W. Snow, and F. J. Mazzotti. Translator, Dominguez M. 2008. Pitones Birmanas en Florida del Sur: soporte científico para el manejo de especies invasoras. [Burmese pythons in South Florida: scientific support for invasive species management.] WEC242span. Gainesville (FL): University of Florida Institute of Food and Agricultural Sciences. 11p. <http://edis.ifas.ufl.edu/UW288>

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- Malecki, R., **M. Rochford**, D. Neely, and S.P. Mackessy. 2003. *Coluber constrictor flaviventris*: Geographic distribution. *Herpetological Review*.
- Malecki, R., **M. Rochford**, D. Neely, and S.P. Mackessy. 2003. *Arizona elegans*: Geographic distribution. *Herpetological Review*.
- **Rochford, M.**, R. Malecki, D. Neely, and S.P. Mackessy. 2003. *Lampropeltis triangulum*: Geographic distribution. *Herpetological Review*.

BOOK CHAPTERS

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- **Rochford, M.R.**, S.C. Farris, C. Hackett, L.A. Brandt, and F.J. Mazzotti. 2017. Evaluating alligator status as a system-wide ecological indicator of restoration progress. University of Florida. Final Report to U.S. Army Corps of Engineers.
- Nestler, J.H., R. Harvey, S.K. Cooke, B.M. Mason, M.R. Bradbury, J. Ketterlin Eckles, **M.R. Rochford**, and F.J. Mazzotti. 2017. Tegu removal and research in C-111 Basin and Redland Agricultural Area in Miami-Dade County (1 May 2016- 15 June 2017). University of Florida. Final Report to Florida Fish and Wildlife Conservation Commission. 34 pp.
- Nestler, J.H., J. Hardin Waddle, S.K. Cooke, B.M. Mason, M.M. Bradbury, J. Ketterlin Eckles, **M.R. Rochford**, and F.J. Mazzotti. 2017. Removal and surveillance of Argentine Black and White Tegus in the Everglades Cooperative Invasive Species Management Area: Protecting valued ecological resources in southern Miami-Dade and northern Monroe Counties. University of Florida. Final Report to Florida Fish and Wildlife Conservation Commission. 42 pp.
- Metzger, III, E.F., J. Nestler, J. Ketterlin Eckles, R.E. Whitaker, J. Lenin, J.A. Wasilewski, **M.R. Rochford**, and F.J. Mazzotti. 2017. Can Iruka snake-catchers from India improve our ability to detect and capture pythons in Greater Everglades ecosystems? University of Florida. Final Report to Florida Fish and Wildlife Conservation Commission. 39 pp.
- Rodgers, L., C. Mason, M. Bodle, R. Brown, E. Allen, P. Tipping, **M. Rochford**, F. Mazzotti, A. Peters, M. Renda, C. Beeler, J. Ketterlin-Eckles, F. Laroche, C. Segura, and K. Serbesoff-King. 2017. Chapter 7: Status of Nonindigenous Species. *In*: South Florida Environmental Report – Volume 1, South Florida Water Management District. 58 pp.
- **Rochford, M.R.**, J. Ketterlin Eckles, E. Metzger III, J. Nestler, and F.J. Mazzotti. 2016. Everglades Invasive Reptile, Amphibian, and Mammal Monitoring Program. University of Florida. Final Report to South Florida Water Management District. 139 pp.
- **Rochford, M.R.** and F.J. Mazzotti. 2016. Python Challenge™ Support. University of Florida. Final Report to Florida Fish and Wildlife Conservation Commission. 6 pp.
- **Rochford, M.R.**, M.D. Martin, and F.J. Mazzotti. 2016. Removal of Argentine Black and White Tegus in the Everglades Cooperative Invasive Species Management Area: Part I – Protecting trust resources in southern Miami-Dade and northern Monroe Counties. 2016. Final Report to U.S. Fish & Wildlife Service. 16 pp.
- Garner, L.A., C.D. Closius, K.W. Allen, M.R. Rochford, and F.J. Mazzotti. 2016. Nonnative wildlife body management. Final Report to Florida Fish and Wildlife Conservation Commission. 58 pp.
- Mason C., E. Allen, M. Bodle, F. Laroche, P. Tipping, A. Derksen, J. Ketterlin Eckles, J. Kline, **M. Rochford**, K. Serbesoff-King, M. Renda, B. Reed, M. McEachern, and B. Falk. 2016. Chapter 7: Status of Nonindigenous Species. *In*: South Florida Environmental Report – Volume 1, South Florida Water Management District. 54 pp.
- Garner, L.A., K. Allen, **M.R. Rochford**, and F.J. Mazzotti. 2015. Tegu Control and Research. University of Florida. Final Report to Florida Fish and Wildlife Conservation Commission. 59 pp.
- **Rochford, M.R.**, E. Metzger III, and F.J. Mazzotti. 2015. Everglades Invasive Reptile and Amphibian Monitoring Program. University of Florida. Final Report to South Florida Water Management District. 136 pp.
- **Rochford, M.R.**, K. Allen, L.A. Garner, E.F. Metzger III, M.A. Squires, S.E. Williams, and F.J. Mazzotti. 2015. Everglades Exotic Animal Monitoring. University of Florida. Final Report to Florida Fish and Wildlife Conservation Commission. 40 pp.
- Rodgers, L., M. Bodle, F. Laroche. Contributors: Pratt, P., A. Derksen, J. Ketterlin Eckles, J. Kliine, F. Mazzotti, **M. Rochford**, J. Vinci, K. Serbesoff-King, M. Renda, B. Reed, M. McEachern, and B. Falk. 2015. Chapter 7: Status of Nonindigenous Species. *In*: South Florida Environmental Report – Volume 1, South Florida Water Management District. 55 pp.
- **Rochford, M.R.** E. Metzger III, Sara Williams, and F.J. Mazzotti. 2014. Everglades Invasive Reptile and Amphibian Monitoring Program. University of Florida. Final Report to the South Florida Water Management District. 134 pp.

- **Rochford, M.R.**, J.J. Vinci, M.A. Squires, and F.J. Mazzotti. 2014. An Integrated Early Detection, Rapid Response, and Monitoring Program for Invasive Wildlife in Florida. University of Florida. Final Report to Florida Fish and Wildlife Conservation Commission. 28 pp.
- **Rochford, M.R.**, J.J. Vinci, and F. J. Mazzotti. 2014. Everglades Invasive Reptile and Amphibian Monitoring Program. Annual Report to Everglades National Park. 19 pp.
- Rodgers, L., D. Black, M. Bodle, and F. Laroche. Contributors: Pratt, P., F. Mazzotti, K. Serbesoff-King, M. Renda, J. Ketterlin Eckles, and **M. Rochford**. 2014. Chapter 7: Status of Nonindigenous Species. *In*: South Florida Environmental Report – Volume 1, South Florida Water Management District. 53 pp.
- **Rochford, M.R.**, J.J. Vinci, B.M. Jeffery, S.E. Williams, and F.J. Mazzotti. 2013. Everglades Invasive Reptile and Amphibian Monitoring Program. University of Florida. Final Report to South Florida Water Management District. 146 pp.
- **Rochford, M.R.**, B.M. Jeffery, J.J. Vinci, S.E. Williams, and F.J. Mazzotti. 2013. Everglades Invasive Reptile and Amphibian Monitoring Program. University of Florida. Final Report to Florida Fish and Wildlife Conservation Commission. 130 pp.
- **Rochford, M.R.**, 2013. Everglades Invasive Reptile and Amphibian Monitoring Program. University of Florida. Annual Report to Everglades National Park. 22 pp.
- Fujisaki, I., F. Mazzotti, K. Rice, S. Snow, K. Hart, and **M. Rochford**. 2008. Risk assessment of potential invasiveness of exotic reptiles to South Florida based on import pathway. University of Florida. Final Report to South Florida Water Management District.

ORAL PRESENTATIONS

- **Rochford, M.R.**, J. Ketterlin Eckles, and F.J. Mazzotti. UF reptile research & monitoring. Everglades Cooperative Invasive Species Management Area Summit, Davie, FL. July 26, 2017.
- Card, D., B. Perry, R. Adams, A. Andrew, D. Schield, A. Young, T. Jezkova, **M. Rochford**, F. Mazzotti, K. Hart, M. Hunter, T. Castoe. Genome-wide evidence of evolution and adaptation in the invasive Florida python population. Evolution, Portland, OR. June 23-27, 2017.
- **Rochford, M.R.**, J. Ketterlin-Eckles, and F.J. Mazzotti. Relationships between invasive wildlife and ecosystem restoration in the Florida Everglades. Greater Everglades Ecosystem Restoration (GEER) Conference, Coral Springs, FL. April 17-21, 2017 (invited speakers).
- Mazzotti, F.J., L.A. Brandt, M. Cherkiss, J. Cole, S. Cooke, J.K. Eckles, **M. Rochford**, and H. Waddle. A scientific framework for a simplified conceptual approach for early detection, rapid response and removal of invasive wildlife: Removing Veiled Chameleons (*Chamaeleo calytratus*) from Palm Beach County. Greater Everglades Ecosystem Restoration (GEER) Conference, Coral Springs, FL. April 17-21, 2017 (invited speakers).
- **Rochford, M.R.** and F.J. Mazzotti. Early detection and rapid response related to introduced herpetofauna in Florida: Lessons from the past and implications for the future. 39th Annual Herpetology Conference, University of Florida, Gainesville, FL. April 9, 2016.
- **Rochford, M.R.** and F.J. Mazzotti. Invasive species and endangered species. Guest lecture for Dr. Kara Lefevre's General Ecology Course, Florida Gulf Coast University, Fort Myers, FL. April 7, 2016.
- Gioeli, K., F.J. Mazzotti, E. Metzger, and **M.R. Rochford**. The Everglades invasive reptile and amphibian monitoring program (EIRAMP) – A Florida master naturalist citizen science wildlife monitoring program. Association of Natural Resources Extension Professionals Conference, Burlington, VT. June 26-69, 2016.
- Gioeli, K., F.J. Mazzotti, E. Metzger, **M.R. Rochford**, and A. Thompson. The Everglades invasive reptile and amphibian monitoring program (EIRAMP) – A Florida master naturalist citizen science wildlife monitoring program. Florida State Horticultural Society Conference, Stuart, FL. June 12-14, 2016.
- Mazzotti, F.J. and **M.R. Rochford**. Past, present, and future of invasive reptiles in Florida. Savannas Preserve State Park, Port St. Lucie, FL. February 10, 2016 (invited speakers).
- **Rochford, M.R.** and F.J. Mazzotti. Everglades invasive reptile, amphibian, and mammal monitoring program (EIRAMP) in and around the CREW footprint. Corkscrew Watershed Science Forum, Naples, FL. January 29, 2016 (invited speakers).
- **Rochford, M.R.**, J.S. Beauchamp, and F.J. Mazzotti. Monitoring reptiles, amphibians, and mammals in the greater Everglades. Seventh Annual Big Cypress Research Symposium, Ochopee, FL. November 5, 2015 (invited speakers).
- **Rochford, M.R.** and F.J. Mazzotti. Everglades invasive reptile and amphibian monitoring program (EIRAMP). Greater Everglades Ecosystem Restoration (GEER) Conference, Coral Springs, FL. April 23, 2015 (invited speakers).

- Metzger III, E.F., J. Ketterlin Eckles, **M.R. Rochford**, J.J. Vinci, D.C. Smith, and F.J. Mazzotti. Diet analyses of Oustalet's Chameleons (*Furcifer oustaleti*), an established exotic in southern Florida. Greater Everglades Ecosystem Restoration (GEER) Conference, Coral Springs, FL. April 22, 2015.
- **Rochford, M.R.** and F.J. Mazzotti. Adventures in herpetology at the University of Florida's Fort Lauderdale Research and Education Center. July 15, 2014 (invited speakers).
- **Rochford, M.R.** and F.J. Mazzotti. Nonnative chameleons. South Florida Herpetological Society. June 2014 (invited speakers).
- **Rochford, M.R.** and F.J. Mazzotti. Everglades Invasive Reptile and Amphibian Monitoring Program. Presented at 15th Everglades Day, Arthur R. Marshall Loxahatchee National Wildlife Refuge, Florida. February 8, 2014 (invited speakers).
- **Rochford, M.R.**, D. Smith, J. Vinci, S. Williams, J.R. Edwards, J. Ketterlin Eckles, F. Ridgley, and F.J. Mazzotti. Caiman and Chameleon Update. Everglades Cooperative Invasive Species Management Area Summit, Long Key Nature Center, Davie, FL. July 24th, 2013.
- **Rochford, M.R.** Everglades Burmese Pythons. Chicago Herpetological Society. April 27, 2011 (invited speaker).
- **Rochford, M.R.** and F.J. Mazzotti. Everglades python research. Flamingo Gardens and Wildlife Sanctuary. 2010 (invited speakers).
- **Rochford, M.R.** and F.J. Mazzotti. Cold constrictors unconquered. Annual Meeting, Kansas Herpetological Society, Topeka, KS. November 6, 2010 (invited speakers).
- **Rochford, M.R.**, K.L. Krysko, J.P. Burgess, K.M. Enge, L.A. Somma, C.R. Gillette, J.L. Stabile, D. Cueva, and S.V. Nielson. Nonindigenous amphibians and reptiles in Florida: Outlining the invasion process and identifying continuous pathways. Annual Meeting, Kansas Herpetological Society, Olathe, KS. November 8, 2009 (invited speakers).
- **Rochford, M.R.**, R.W. Snow, and F.J. Mazzotti. Burmese Pythons and other invasive wildlife threatening the Florida Everglades. Anne Kolb Nature Center. 2009 (invited speakers).
- **Rochford, M.R.**, R.W. Snow, and F.J. Mazzotti. Surveying for pythons in the Everglades: Techniques and results. Florida Reptile and Amphibian Working Group, Zoo Miami, Miami, FL. 2009 (invited speakers).
- **Rochford, M.R.**, C. Dove, L. Wilkins, R.W. Snow, and F.J. Mazzotti. Diet of Burmese Pythons in South Florida. Joint Meeting of Ichthyologists and Herpetologists, Montreal, Quebec, Canada. 2008.
- **Rochford, M.R.** The Diet of *Python molurus* in southern Florida. Annual Meeting, Kansas Herpetological Society. 2008 (invited speaker).
- **Rochford, M.R.** Pythons in paradise: A Floridian saga. Annual Meeting, Kansas Herpetological Society. 2007 (invited speaker).
- **Rochford, M.R.** American Alligators and American Crocodiles in Florida. Annual Meeting, Kansas Herpetological Society. 2006 (invited speaker).
- **Rochford, M.R.** Herpetofaunal observations in southern California. Annual Meeting, Kansas Herpetological Society. 2005 (invited speaker).

POSTER PRESENTATIONS

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- Young, C., N. Ravida, **M. Rochford**, and B. Durrant. 2018. Sperm cryopreservation in the Burmese python (*Python bivittatus*) as a model for endangered snakes. 44th Annual Conference of the International Embryo Technology Society, Bangkok, Thailand. January 13-16, 2018.
 - Mazzotti, F.J., J.R. Dalaba, **M.R. Rochford**, and J.K. Ketterlin. Everglades Invasive Reptile and Amphibian Monitoring Program (EIRAMP). Florida Fish and Wildlife Conservation Commission Meeting, Gainesville, FL. December 5-7, 2017.
 - Scobel, N.J., T.R. Adamson, J. Ketterlin-Eckles, **M.R. Rochford**, and F.J. Mazzotti. Updates on trapping Nile Monitors (*Varanus niloticus*) in southeast Florida. Greater Everglades Ecosystem Restoration (GEER) Conference, Coral Springs, FL. April 17-21, 2017.
 - Closius, C.D., **M.R. Rochford**, K. Gestring, and F.J. Mazzotti. 2016. Size, sex, and diet of Nile Monitors (*Varanus niloticus*) removed from South Florida. Annual Meeting of the Ecological Society of America. Fort Lauderdale, Florida, USA. August 7-12, 2016.
 - Williams, S.W., J.J. Vinci, E.F. Metzger III, D. Smith, **M.R. Rochford**, and F.J. Mazzotti. Diet analyses of Oustalet's Chameleons (*Furcifer outstaleti*), an established exotic in southern Florida. Greater Everglades Ecosystem Restoration Conference. 2015. April 22, 2015.

- Edwards, J.R., J.K. Eckles, **M.R. Rochford**, J. Vinci, D.C. Smith, and F.J. Mazzotti. Intentional introductions of chameleons in Florida. 68th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, Destin, Florida, USA. October 19-22, 2014.
- Curtis, M., B. Durrant, C. Young, F. Mazzotti, and **M. Rochford**. The utilization of invasive species as a model for the development of semen cryopreservation protocols for endangered Squamates. Second Annual South Florida Graduate Research Symposium, Davie, FL. 2013.
- Curtis, M., M. Squires, S. Williams, S. Farris, B. Jeffery, J. Vinci, **M. Rochford**, and F. Mazzotti. Monitoring nonnative amphibians, reptiles, and mammals along the boundary of Arthur R. Marshall Loxahatchee National Wildlife Refuge. A.R.M. Loxahatchee NWR 2013 Science Workshop. September 26, 2013.
- Mazzotti, F.J., K.M. Hart, M.S. Cherkiss, **M.R. Rochford**, S. Snow, M.L. Brien, K. Rice, M.E. Dorcas, A. Wolf, B. Greeves, L. Wilkins, G. Rodda, and R. Reed. Movements, habitat use, diet, thermal biology, and trapping of Burmese Pythons in the southern Everglades. USGS Gulf Coast Science Conference & Florida Integrated Science Center Meeting. 2008.
- Mazzotti, F.J., K.M. Hart, M.S. Cherkiss, **M.R. Rochford**, S. Snow, M.L. Brien, K. Rice, M.E. Dorcas, A. Wolf, B. Greeves, L. Wilkins, G. Rodda, and R. Reed. Movements, habitat use, diet, thermal biology, and trapping of Burmese Pythons in the southern Everglades. Greater Everglades Ecosystem Restoration Conference. 2008.
- Mazzotti, F.J., K.M. Hart, M.S. Cherkiss, **M.R. Rochford**, S. Snow, M.L. Brien, K. Rice, M.E. Dorcas, A. Wolf, B. Greeves, L. Wilkins, G. Rodda, and R. Reed. Movements, habitat use, diet, thermal biology, and trapping of Burmese Pythons in the southern Everglades. Annual Meeting, The Wildlife Society. 2008.
- Fujisaki, I., F. Mazzotti, K. Rice, S. Snow, K. Hart, and **M. Rochford**. Risk assessment of potential invasiveness of exotic reptiles to South Florida based on import pathway. Greater Everglades Ecosystem Restoration Conference. 2008.

LEADERSHIP POSITIONS

- Invasive Species Coordinator, University of Florida, Fort Lauderdale, FL, **2012-Present**
- President, Southeast Chapter of North American Field Herping Association, **2009**

AWARDS

- UF/IFAS High Impact Research Publication Award. For “*Large Reptiles and Cold Temperatures: Do Extreme Cold Spells Set Distributional Limits for Tropical Reptiles in Florida?*” UF/IFAS FAES Research Awards Ceremony, Gainesville, Florida. 26 May 2017.
- Achievement Award. Category: County Resiliency: Infrastructure, Energy and Sustainability. For St. Lucie County, Everglades Invasive Reptile and Amphibian Monitoring Program (EIRAMP). National Association of Counties. 2017.

TRAINING & SKILLS

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| <ul style="list-style-type: none"> • Project management • Writing proposals, protocols, technical reports, and scientific journal articles • Computer software: Microsoft Office Suite, ArcGIS • Radio and GPS telemetry (from ground, truck, airboat, motorboat, fixed-wing aircraft, and helicopter) • Reptile and amphibian identification (including anuran vocalization) • Capture and handling of venomous reptiles, large constricting snakes, and crocodylians • Reptile necropsy • Airboat maintenance and operation • Motorboat maintenance and operation • Collection, entry, and analysis of large data sets • Endangered, threatened, and sensitive species capture, handling, and monitoring | <ul style="list-style-type: none"> • First Aid, CPR, and AED certification • GPS, compass and map navigation • Hiking, camping, and kayaking • Media experience/public relations • PADI open water SCUBA certification • Hunter’s safety certificate • DOI firearms training • Florida concealed weapon or firearm license • Manual transmission, 4WD vehicle, Argo, and ATV operation, maintenance, and repair • ATV operator certification from ATV Safety Institute • Mammal hair identification for diet analyses • Point count, visual encounter, and line transect surveys • Power and hand tool operation |
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- County, State, and federal permit application, renewal, and report experience, including threatened & endangered species
- Public relations and communication skills with NGO's, state and federal organizations, and landowners

MEMBERSHIPS

- Kansas Herpetological Society, **2005-2014**
- Society for the Study of Amphibians and Reptiles, **2003**
- Kansas City Herpetological Society, **1998**

PERSONAL INTERESTS & HOBBIES

- Field herpetology (USA life list: 689 of 878 native species/subspecies + 73 nonnative species)
- Camping, hiking
- Snorkeling, SCUBA diving (PADI certified: Open Water), and freediving
- Bird watching (USA life list: 300 species)
- Wildlife and nature photography

RELEVANT COURSEWORK

- Animal Behavior
- Amphibians and Reptiles of Kansas
- Biochemistry
- Biometry
- Chemistry I
- Chemistry II
- Conservation Biology
- Evolution
- Field Ornithology
- Genetics
- Mammalogy
- Organic Chemistry
- Organismic Biology
- Ornithology
- Wildlife Management