

CURRICULUM VITAE  
**WILLIAM W. SELMAN II**  
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## Contact

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## Education

- Ph.D. The University of Southern Mississippi, May 2010  
 Dissertation: Conservation and Ecology of the Yellow-blotched Sawback (*Graptemys flavimaculata*)
- B.S. Millsaps College, May 2003  
 Majored in Biology; Minors in Environmental Studies and Business

## Professional Experience

- 2016- **Assistant Professor of Field Biology**, Department of Biology, Millsaps College, Jackson, MS.  
*Pres.*
- 2011- **Research Wildlife Biologist and Research Coordinator (Biologist Supervisor)**,  
 2016 Rockefeller Wildlife Refuge, Louisiana Department of Wildlife and Fisheries, Grand Chenier, LA.
- 2014 **Adjunct Professor**, McNeese State University, Lake Charles, LA.
- 2010- **Research Wildlife Biologist (Biologist 2)**, Rockefeller Wildlife Refuge, Louisiana  
 2011 Department of Wildlife and Fisheries, Grand Chenier, LA
- 2004- **Graduate Research Assistant/Teaching Assistant/Instructor**, The University of Southern  
 2010 Mississippi, Department of Biological Sciences, Hattiesburg, MS.
- 2007 **Consultant**, Conservation Southeast Inc.
- 2004, **Field Assistant**, The University of Southern Mississippi & Mississippi Department of  
 2007 Wildlife, Fisheries, and Parks
- 2003- **Teacher**, Meridian Public Schools, Northwest Junior High School Biology Department,  
 2004 Meridian, MS

## Teaching Experience

- 2016- **Millsaps College (Assistant Professor), Department of Biology.**  
*Pres.* BIOL 1020: General Zoology (with Lab) - F 2016 – Sp 2019 (7 sections)  
 BIOL 3310: Ornithology (with Lab) - Sp 2018  
 BIOL 3370: Herpetology (with Lab) - Sp 2017  
 BIOL 3380: Wetland Ecology (with Lab) - F 2016, F 2018  
 BIOL 3750: Special Topics- Vertebrate Zoology (with Lab) – F 2017

- 2014 **McNeese State University (Adjunct Professor), School of Agricultural Sciences: Natural Resource Conservation Management.**  
NRCM 350: Herpetology – Sp 2014
- 2008- **Guest Lecturer**, University of Louisiana-Lafayette (5 lectures), McNeese State University  
2016 (5), The University of Southern Mississippi (3), University of Louisiana-Monroe (2), Mississippi State University (2), Louisiana State University (1), Hiram College (1), and Millsaps College (1).

### **Publications in Peer-reviewed Journals (+ Graduate, \* Undergraduate)**

- Selman, W.**, S.H. Pearson, and J.J. Wiebe. 2019. Population structure and demography of diamondback terrapins (*Malaclemys terrapin*) in coastal Louisiana. *Estuaries and Coasts* 42:1138-1148.
- Huntzinger, C.C.+, I.J. Louque, Jr.+, **W. Selman**, P.V. Lindeman, and E.K. Lyons. 2019. Distribution and abundance of the alligator snapping turtle (*Macrochelys temmenckii*) in southwestern Louisiana. *Southeastern Naturalist* 18:65-75.
- Whitaker, J.M., K.M. Ringelman, J.R. Marty, **W. Selman**, and J.T. Linscombe. 2019. Changes in waterfowl abundance and species composition on Louisiana coastal wildlife management areas and refuges 2004 – 2016. *Journal of the Southeastern Association of Fish and Wildlife Agencies* 6:136-145.
- Reinke, B.+, S. Pearson, and **W. Selman**. 2018. Plastron pigmentation variation in a coastal turtle species of conservation concern (*Malaclemys terrapin*). *Herpetologica* 74:141-145.
- Rhodin, A.G.J., C.B. Stanford, P.P. van Dijk, C. Eisemberg, L. Luiselli, R.A. Mittermeier, R. Hudson, B.D. Horne, E.V. Goode, G. Kuchling, A. Walde, E.H.W. Baard, K.H. Berry, A. Bertolero, T.E.G. Blanck, R. Bour, K.A. Buhlmann, L.J. Cayot, S. Collett, A. Currylow, I. Das, T. Diagne, G. Ferero-Medina, M.G. Frankel, U. Fritz, G. Garcia, A. Georges, J.W. Gibbons, P.M. Gibbons, G. Shiping, J. Guntoro, M. Hofmeyr, J.B. Iverson, A.R. Keister, K. Platt, S.G. Platt, P.C.H. Pritchard, H.R. Quinn, S.C. Rahman, S.T. Randrianjafizanaka, J. Schaffer, **W. Selman**, H.B. Shaffer, D.S.K. Sharma, S. Haitao, S. Singh, R. Spencer, K. Stannard, S. Sutcliffe, S. Thomson, and R.C. Vogt. Global conservation status of turtles and tortoises (Order Testudines). *Chelonian Conservation and Biology* 17:135-161.
- Selman, W.** 2018. Life in skinny water: observations of juvenile diamondback terrapins (*Malaclemys terrapin*) utilizing shallow water habitats. *Herpetological Conservation and Biology* 13:399-407.
- Selman, W.** and S. Collins. 2018. Observations of wintering piping plovers (*Charadrius melodus*) positively associated with rock breakwater-influenced shorelines in southwestern Louisiana. *Journal of Coastal Research* 34:1046-1051.
- Selman, W.** and P.V. Lindeman. 2018. Spatial, seasonal, and sexual variation in the diet of *Graptemys flavimaculata*. *Copeia* 102:247-254.
- Selman, W.**, S. Aughtman\*, A. Anderson\*, D. Carter\*, R. LeBlanc\*, S. Bethi\*, C. Casias\*, G. Bellnap\*, K. Klunk\*, H. Qureshi\*, H. Smith\*, M. Jaunsen\*, J. Moreno\*, M. Gaupp\*, M. Schwall\*, and M. Sullivan\*. 2018. Thirty-six new county records for herpetofauna of

- Mississippi, Louisiana, and Tennessee: results from an undergraduate herpetology class assignment. *Herpetological Review* 49:85-88.
- Donini, J., **W. Selman**, and R.A. Valverde. 2017. A comparison of reproductive assessment techniques to determine the reproductive activity of diamondback terrapins (*Malaclemys terrapin*). *Herpetological Review* 48:763-766.
- Ford, R.J., **W. Selman**, and S. Taylor. 2017. Hybridization between mottled ducks (*Anas fulvigula maculosa*) and mallards (*A. platyrhynchos*) in the western Gulf Coast. *The Condor: Ecological Applications* 119:683-696.
- Pickens, B.A., S.L. King, P. Vasseur, S. Zimorski, and **W. Selman**. 2017. Seasonal movements and multiscale habitat selection of Whooping Cranes (*Grus americana*) in natural and agricultural wetlands. *Waterbirds* 40:322-333.
- Selman, W.** 2017. Diagnostic trait variability in the imperiled freshwater turtle *Graptemys flavimaculata*. *Herpetologica* 73:105-112.
- Selman, W.** and R.L. Jones. 2017. Population structure, status, and conservation of two *Graptemys* species from the lower Pearl River, Mississippi, USA. *Journal of Herpetology* 51:27-36.
- Elsy, R.M., M. Miller, D. LeJeune, and **W. Selman**. 2016. Nesting ecology of little brown skinks (*Scincella lateralis*) utilizing American alligator (*Alligator mississippiensis*) nests and muskrat (*Ondatra zibethicus*) houses in southwestern Louisiana. *Southeastern Naturalist* 15:653-668.
- Fehrenbach, A.K., I. Louque, S.L. McFadden, C. Huntzinger, E. Lyons, S.H. Shively, **W. Selman**, and P.V. Lindeman. 2016. Habitat-related variation in body size and reproductive output and an examination of reproductive allometry in the Sabine map turtle (*Graptemys sabinensis*) across three river drainages. *Copeia* 104:458-468.
- Selman, W.**, T.J. Hess Jr., and J. Linscombe. 2016. Long-term population and colony dynamics of brown pelicans (*Pelecanus occidentalis*) in rapidly changing coastal Louisiana, USA. *Waterbirds* 39:45-57.
- Gaillard, D.L., **W. Selman**, R.L. Jones, B.R. Kreiser, C.P. Qualls, and K. Landry. 2015. High connectivity observed in populations of ringed sawbacks, *Graptemys oculifera*, in the Pearl and Bogue Chitto Rivers using six microsatellite loci. *Copeia* 103:1075-1085.
- Lindeman, P.V., I.J. Louque, Jr., C.C. Huntzinger, E. Lyons, S.H. Shively, and **W. Selman**. 2015. Eye color and chin pattern in the turtle *Graptemys pseudogeographica* in the Calcasieu River drainage of Louisiana, with comparison to adjacent drainages. *Herpetological Review* 46:179-185.
- Petre, C., **W. Selman**, B. Kreiser, S. Pearson, and J. Weibe. 2015. Population genetics of the diamondback terrapin, *Malaclemys terrapin*, in Louisiana. *Conservation Genetics* 16:1243-1252.
- Selman, W.** 2015. Herpetofaunal community of a coastal chenier forest remnant in southwestern Louisiana. *Southeastern Naturalist* 14:491-505.

- Selman, W.** and B. Davis. 2015. First nesting records in southwestern Louisiana for American Oystercatchers (*Haematopus palliatus*) and Reddish Egrets (*Egretta rufescens*), with implications for dredge spoil island restoration. *The Wilson Journal of Ornithology* 127:326-332.
- Selman, W.** and P.V. Lindeman. 2015. Life history and ecology of the Pascagoula map turtle (*Graptemys gibbonsi*). *Herpetological Conservation and Biology* 10:791-800.
- Selman, W.** 2014. Rev. of *The Map Turtle and Sawback Atlas: Ecology, Evolution, Distribution, and Conservation* by P.V. Lindeman. *Copeia* 2014:596-597.
- Selman, W.,** B. Baccigalopi, and C. Baccigalopi. 2014. Distribution and abundance of diamondback terrapins (*Malaclemys terrapin*) in southwestern Louisiana. *Chelonian Conservation and Biology* 13:131-139.
- Selman, W.,** B. Kreiser, and C. Qualls. 2013. Conservation genetics of the yellow-blotched sawback (Emydidae: *Graptemys flavimaculata*). *Conservation Genetics* 14:1193-1203.
- Zimorski, S., T. Perkins, and **W. Selman**. 2013. Chelonian species in the diet of reintroduced Whooping Cranes (*Grus americana*) in Louisiana. *The Wilson Journal of Ornithology* 125:420-423.
- Selman, W.,** C. Qualls, and J. Owen. 2013. Effects of human disturbance on the behavior and physiology of an imperiled freshwater turtle. *Journal of Wildlife Management* 77:877-885.
- Selman, W.** 2012. Geographic variation in population structure, shape morphology, and sexual size dimorphism in *Graptemys flavimaculata*. *Herpetological Conservation and Biology* 7:427-436.
- Selman, W.** and B. Baccigalopi. 2012. Effectively sampling Louisiana diamondback terrapin (*Malaclemys terrapin*) populations, with description of a new capture technique. *Herpetological Review* 43:583-588.
- Selman, W.** and R.L. Jones. 2012. Kyphosis and growth in the ringed sawback, *Graptemys oculifera*. *Chelonian Conservation and Biology* 11:259-261.
- Selman, W.,** J. Jawor, and C. Qualls. 2012. Seasonal variation of corticosterone levels in the yellow-blotched sawback (*Graptemys flavimaculata*), an imperiled freshwater turtle. *Copeia* 2012:698-705.
- Selman, W.,** T. Hess, Jr., B. Salyers, and C. Salyers. 2012. Short-term response of Brown Pelicans (*Pelecanus occidentalis*) to oil spill rehabilitation and translocation. *Southeastern Naturalist* 11:G1-G16.
- Selman, W.** and C. Qualls. 2011. Basking ecology of the yellow-blotched sawback (*Graptemys flavimaculata*), an imperiled turtle species of the Pascagoula River system, Mississippi, USA. *Chelonian Conservation and Biology* 10:188-197.
- Selman, W.,** T.J. Hess, Jr., J. Linscombe, and L. Reynolds. 2011. An extralimital record of a Louisiana-banded Mottled Duck recovered in South Dakota. *Southeastern Naturalist* 10:570-574.

- Ennen, J. R., J.E. Lovich, B.R. Kreiser, **W. Selman**, and C.P. Qualls. 2010. Genetic and morphological variation between populations of the Pascagoula map turtle (*Graptemys gibbonsi*) in the Pearl and Pascagoula rivers with description of a new species. *Chelonian Conservation and Biology* 9:98-113.
- Selman, W.** and C. Qualls. 2009. Distribution and abundance of two imperiled *Graptemys* species of the Pascagoula River system. *Herpetological Conservation and Biology* 4:171-184.
- Selman, W.**, J. Ennen, B. Kreiser, and C. Qualls. 2009. Cross-species amplification of Emydid microsatellite loci in three *Graptemys* species and their utility as a conservation tool. *Herpetological Review* 40:32-37.
- Selman, W.** and C. Qualls. 2008. Impacts of Hurricane Katrina on a population of yellow-blotched sawbacks (*Graptemys flavimaculata*) in the lower Pascagoula River. *Herpetological Conservation and Biology* 3:224-230.

## Book Chapters

- King, S.L., **W. Selman**, P. Vasseur, and S. Zimorski. 2018. Louisiana nonmigratory Whooping Crane reintroduction. In: French, J.B., S.J. Converse, and J. Austin (Eds.). *Whooping Cranes: The Biology and Conservation*. Academic Press, Elsevier, London, UK. pp. 469-502.
- Selman, W.** and R.L. Jones. 2011. *Graptemys flavimaculata* Cagle 1954- Yellow-blotched Sawback, Yellow-blotched Map Turtle. In: Rhodin, A.G.J., P.C.H. Pritchard, P.P. van Dijk, R.A. Saumure, K.A. Buhlmann, J.B. Iverson, and R.A. Mittermeier (Eds.). *Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group*. Chelonian Research Monographs No. 5, pp. 052.1-052.11.
- Jones, R.L. and **W. Selman**. 2009. *Graptemys oculifera* Baur 1890- Ringed Map Turtle, Ringed Sawback. In: Rhodin, A.G.J., P.C.H. Pritchard, P.P. van Dijk, R.A. Saumure, K.A. Buhlmann, J.B. Iverson, and R.A. Mittermeier (Eds.). *Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group*. Chelonian Research Monographs No. 5, pp. 033.1-033.8.
- Lovich, J.E., **W. Selman**, and C.J. McCoy. 2009. *Graptemys gibbonsi* Lovich and McCoy 1992- Pascagoula Map Turtle, Pearl River map turtle, Gibbons' map turtle. In: Rhodin, A.G.J., P.C.H. Pritchard, P.P. van Dijk, R.A. Saumure, K.A. Buhlmann, J.B. Iverson, and R.A. Mittermeier (Eds.). *Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group*. Chelonian Research Monographs No. 5, pp. 029.1-029.8.

## Peer-Reviewed Notes (+ Graduate, \* Undergraduate)

- Selman, W.** 2018. *Acris gryllus* (Southern Cricket Frog). Geographic Distribution. *Herpetological Review* 49:706
- Selman, W.** 2018. *Hyla avivoca* (Bird-voiced Treefrog). Geographic Distribution. *Herpetological Review* 49:707

- Selman, W.** and R. Dumas. 2018. *Hemidactylus turcicus* (Mediterranean Gecko). Geographic Distribution. *Herpetological Review* 49:715.
- Selman, W.**, G. Bellnap\*, L. Haden\*, and S. Rimmer\*. *Chrysemys dorsalis* (Southern Painted Turtle). Geographic Distribution. *Herpetological Review* 49:711.
- Elsey, R.M., D. Lejeune, W. Strong, and **W. Selman**. 2017. *Trachemys scripta elegans* (Red-eared Slider). Abnormal shell morphology with kyphoscoliosis. *Herpetological Review* 48:837-838.
- Selman, W.** 2017. *Graptemys flavimaculata* (Yellow-blotched Sawback). Shell abnormality and long-term site fidelity. *Herpetological Review* 48:835-836.
- Elsey, R.M. and **W. Selman**. 2016. *Alligator mississippiensis* (American Alligator). Diet. *Herpetological Review* 47:660.
- Selman, W.** *Graptemys pearlensis* (Pearl Map Turtle). 2016. Geographic Distribution. *Herpetological Review* 47:625.
- Selman, W.**, R. Elsey, J. Boundy, and B. Kreiser. 2016. *Apalone ferox* (Florida Softshell Turtle). Geographic distribution. *Herpetological Review* 47:421.
- Elsey, R.M., **W. Selman**, J.G. Nevarez, R.W. Bauer, R. King, and M. Dupuis. 2015. *Alligator mississippiensis* (American Alligator). Necrotizing exfoliation. *Herpetological Review* 46:246-248.
- Louque, Jr., I.J., **W. Selman**, C.C. Huntzinger+, and E.K. Lyons. 2015. *Graptemys sabinensis* (Sabine Map Turtle). Kyphosis. *Herpetological Review* 46:81.
- Selman, W.**, S. Zimorski, C. Gaspard, C.C. Smith, and P. Vasseur. 2015. Emydid turtles. Unusual basking location. *Herpetological Review* 46:78-79.
- Selman, W.**, W. Strong, J. Donini+, and W. Sylvest+. 2015. *Chelonia mydas* (Green Sea Turtle). Geographic distribution. *Herpetological Review* 46:381.
- Zenzal, T.J.+ and **W. Selman**. 2015. *Thamnophis proximus* (Western Ribbon Snake). Arboreal Behavior. *Herpetological Review* 46:653.
- Huntzinger, C.C.+, E.K. Lyons, and **W. Selman**. 2014. *Sternotherus odoratus* (Common Musk Turtle). Geographic distribution. *Herpetological Review* 45:658.
- Huntzinger, C.C.+, K. Cantrelle\*, E.K. Lyons, and **W. Selman**. 2014. *Sternotherus carinatus* (Razorback Musk Turtle). Geographic distribution. *Herpetological Review* 45:657.
- Selman, W.** and C. Baccigalopi. 2014. *Malaclemys terrapin* (Diamond-backed Terrapin). Geographic distribution. *Herpetological Review* 45:460.
- Selman, W.** 2014. *Macrochelys temminckii* (Alligator Snapping Turtle). Geographic distribution. *Herpetological Review* 45:90.
- Selman, W.**, R. King, B. Stultz, D. Cassidy, A. Magro, T. Credeur, and J.J. Weibe. 2014. *Chelonia mydas* (Green Sea Turtle). Geographic distribution. *Herpetological Review* 45:89.

- Selman, W.** and A. Cherry. 2013. *Macrochelys temminckii* (Alligator Snapping Turtle). Geographic distribution. *Herpetological Review* 44:624.
- Elsey, R.M., **W. Selman**, R. King, M. Miller, S.G. Platt. 2013. *Alligator mississippiensis* (American Alligator). Nests used by other reptiles in coastal Louisiana. *Herpetological Review* 44:559-560.
- Selman, W.** and A. Cherry. 2013. *Macrochelys temminckii* (Alligator Snapping Turtle). Unusual habitat and trap survivability. *Herpetological Review* 44:501-502.
- Selman, W.**, B. Stultz, J. Weibe, A. White, and M. Camacho. 2013. *Malaclemys terrapin* (Diamond-backed Terrapin). Coastal erosion and nest mortality. *Herpetological Review* 44:306-307.
- Elsey, R.M., P.L. Trosclair III, J.J. Wiebe, and **W. Selman**. 2011. *Alligator mississippiensis* (American Alligator). Juvenile site fidelity. *Herpetological Review* 42: 596-598.
- Selman, W.** 2011. *Graptemys flavimaculata* (Yellow-blotched Map Turtle). 2011. Unique aerial basking behaviors. *Herpetological Review* 42:593-595.
- Selman, W.** and T. Bocek\*. 2010. *Deirochelys reticularia reticularia* (Eastern Chicken Turtle). Geographic distribution. *Herpetological Review* 41:509.
- Selman, W.** and A. Holbrook. 2010. *Graptemys gibbonsi* (Pascagoula Map Turtle). Geographic distribution. *Herpetological Review* 41:509.
- Selman, W.** and M. Willig. 2010. *Macrochelys temminckii* (Alligator Snapping Turtle). Basking behavior. *Herpetological Review* 41:486.
- Selman, W.**, D. Strong\*, and C. Qualls. 2009. *Graptemys flavimaculata* (Yellow-blotched Map Turtle). Unusual basking disturbance. *Herpetological Review* 40:78.
- Selman, W.** and C. Qualls. 2009. *Graptemys flavimaculata* (Yellow-blotched Map Turtle). Basking and parasite removal. *Herpetological Review* 40:78-79.
- Selman, W.**, B. Drescher\*, and C. Qualls. 2009. *Macrochelys temmenckii* (Alligator Snapping Turtle). Adult basking behavior. *Herpetological Review* 40:79.
- Selman, W.** and C. Qualls. 2009. *Pseudemys concinna* (River Cooter). Maximum basking time. *Herpetological Review* 40:79-80.
- Selman, W.** and C. Qualls. 2009. *Trachemys scripta elegans* (Red-Eared Slider). Maximum basking time. *Herpetological Review* 40:80.
- Selman, W.** and C. Qualls. 2008. *Graptemys flavimaculata* (Yellow-blotched Map Turtle). Interspecific basking site competition. *Herpetological Review* 39:214-215.
- Selman, W.** and C. Qualls. 2008. *Graptemys flavimaculata* (Yellow-blotched Map Turtle). Foraging behavior. *Herpetological Review* 39:215.

**Selman, W.**, D. Strong\*, and C. Qualls. 2008. *Graptemys gibbonsi* (Pascagoula Map Turtle). Basking and parasite removal. *Herpetological Review* 39:216.

**Selman, W.** and C. Qualls. 2008. *Graptemys gibbonsi* (Pascagoula Map Turtle). Interspecific competition for basking sites. *Herpetological Review* 39:216.

**Selman, W.** and C. Qualls. 2008. *Graptemys gibbonsi* (Pascagoula Map Turtle). Interactions with ducks. *Herpetological Review* 39:216-217.

Ennen, J.R., **W. Selman**, and B.R. Kreiser. 2007. *Graptemys gibbonsi* (Pascagoula Map Turtle). Diet. *Herpetological Review* 38:200.

### **Publications in Revision (+ Graduate, \* Undergraduate)**

Huntzinger, C.C.+ , I. Louque, Jr.+ , E.K. Lyons, **W. Selman**, and P.V. Lindeman. Using local ecological knowledge to determine alligator snapping turtle distribution, abundance, and status in southwestern Louisiana. *The Wildlife Society Bulletin*.

### **Publications in Review (+ Graduate, \* Undergraduate)**

Berry, G.+ , G. Brown+, R.L. Jones, L. Haden\*, L. Pearson+, and **W. Selman**. Chutes and ladders: drainage exchange of map turtles (Genus *Graptemys*) across the Tennessee-Tombigbee Waterway in northeastern Mississippi. *Chelonian Conservation and Biology*.

Ennen, J.R., M.L. Hoffacker, **W. Selman**, C. Murray, J. Godwin, and M. Agha. Phenotypic plasticity of morphological traits in response to water conditions in a freshwater vertebrate. *Copeia*.

Sellen, H.\* and **W. Selman**. *Eurycea guttolineata* (Three-lined Salamander). Geographic distribution. *Herpetological Review*.

**Selman, W.** *Graptemys oculifera* (Ringed Sawback). Abnormal carapace scuttellation. *Herpetological Review*.

**Selman, W.** River turtles and one dam lake: two imperiled *Graptemys* species in the Pearl River and potential impacts of the proposed of One Lake Project. *Chelonian Conservation and Biology*.

### **Publications in Preparation (+ Graduate, \* Undergraduate)**

Bellnap, G.\* and **W. Selman**. Evaluating trapping methodologies and the turtle community of the Pearl River floodplain in central Mississippi.

Brown, G.+ , L. Pearson+, G. Berry+, and **W. Selman**. A Yankee turtle in the Deep South: discovery of the northern map turtle (*Graptemys geographica* LeSueur 1817) in Mississippi.

Lindeman, P.V., **W. Selman**, and R.L. Jones. A sawback is a sawback is a sawback: diet and habitat-related variation in body size of the turtle *Graptemys oculifera*, with comparison to its two closest relatives.

**Selman, W.** Linear activity patterns of two threatened *Graptemys* species from Mississippi, USA, *Graptemys oculifera* (Ringed Sawback) and *Graptemys flavimaculata* (Yellow-blotched Sawback).



Smith, H.A.\*, S. Galicki, and **W. Selman**. The third wheel: observations of a non-native map turtle, *Graptemys pseudogeographica* (False Map Turtle), occurring with two endemic *Graptemys* in the Pearl River, Mississippi.

## Popular Articles

*One Lake Project Will Become 'One Trashy Lake'*. Clarion Ledger, 15 July 2018.

*A Pearl of Great Price: The Value of a Flowing Pearl River in Jackson*. Jackson Free Press, 18 July 2018.

*The Big Flood of the Pearl, Not If, but When*. Jackson Free Press, 24 July 2018.

*Threatened Turtles of the Pearl River and the One Lake Project*. Pearl Riverkeeper Blog, 29 June 2018.

*Turtles in Dixie: Map Turtles and Sawbacks*. Turtle Survival Alliance Magazine, 2012.

## Technical Reports

**Selman, W.** 2018. Diamonds in the rough: status of two imperiled *Graptemys* species (*Graptemys oculifera* and *G. pearlensis*) in the Pearl River of Jackson, MS: Year 2. Mississippi Department of Wildlife, Fisheries, and Parks and the U.S. Fish and Wildlife Service. 39 pp.

**Selman, W.** and H. Smith. 2017. Diamonds in the rough: status of two imperiled *Graptemys* species (*Graptemys oculifera* and *G. pearlensis*) in the Pearl River of Jackson, MS: Year 1. Mississippi Department of Wildlife, Fisheries, and Parks and the U.S. Fish and Wildlife Service. 19 pp.

**Selman, W.** 2016. Attwater's Prairie Chicken (*Tympanuchus cupido attwateri*): background and reintroduction feasibility in Louisiana. Louisiana Department of Wildlife and Fisheries, 9 pp.

**Selman, W.** 2015. Vegetative survey report for Rockefeller Wildlife Refuge marsh mitigation bank sites. Report for the Mitigation Bank Review Team. 18 pp.

Taylor, S., **W. Selman**, and R. Ford. 2015. Hybridization in western Gulf Coast Mottled Ducks. Report for the Gulf Coast Joint Venture. 78 pp.

**Selman, W.** 2014. Fall 2014 vegetative survey report for marsh creation sites on Rockefeller Wildlife Refuge. Report for the Mitigation Bank Review Team. 11 pp.

**Selman, W.**, P. Lindeman, E. Lyons, C.C. Huntzinger, I. Louque, and S. Shively. 2014. A survey of the aquatic turtles of southwestern Louisiana, with emphasis on three Louisiana species of conservation concern: Final Report. Report for State Wildlife Grant T-094. 45 pp.

**Selman, W.** 2013. Fall 2013 vegetative survey report for marsh creation sites on Rockefeller Wildlife Refuge. Report for the Mitigation Bank Review Team. 6 pp.

**Selman, W.**, P. Lindeman, E. Lyons, C.C. Huntzinger, I. Louque, and S. Shively. 2013. A survey of the aquatic turtles of southwestern Louisiana, with emphasis on three Louisiana species of conservation concern: Year 2. Report for State Wildlife Grant T-094. 21 pp.

**Selman, W.**, P. Lindeman, E. Lyons, C.C. Huntzinger, I. Louque, and S. Shively. 2012. A survey of the aquatic turtles of southwestern Louisiana, with emphasis on three Louisiana species of conservation concern: Year 1. Report for State Wildlife Grant T-094. 23 pp.

- Selman, W.** and B. Baccigalopi. 2011. Distribution and abundance of diamondback terrapins (*Malaclemys terrapin*) on Rockefeller Wildlife Refuge. Louisiana Department of Wildlife and Fisheries. 24 pp.
- Selman, W.,** B. Salyers, C. Salyers, G. Perry, R. Elsey, T. Hess, and S. Zimorski. 2011. Rockefeller Wildlife Refuge Management Plan. Louisiana Department of Wildlife and Fisheries, Grand Chenier, Louisiana. 93 pp.
- Selman, W.,** C. Qualls, and M.T. Mendonça. 2009. Impact assessment of Hurricane Katrina on the yellow-blotched sawback (*Graptemys flavimaculata*): Year 2. Report to the U.S. Fish and Wildlife Service and Mississippi Department of Wildlife, Fisheries and Parks. 64 pp.
- Selman, W.,** C. Qualls, and M.T. Mendonça. 2007. Impact assessment of Hurricane Katrina on the yellow-blotched sawback (*Graptemys flavimaculata*): Year 1. Report to the U.S. Fish and Wildlife Service and Mississippi Department of Wildlife, Fisheries and Parks. 73 pp.
- Selman, W.** and C. Qualls. 2007. Distribution, status, and conservation of the Pascagoula map turtle (*Graptemys gibbonsi*). Report to the U.S. Fish and Wildlife Service; Mississippi Department of Wildlife, Fisheries, and Parks; and Louisiana Department of Wildlife and Fisheries. 35 pp.
- Selman, W.,** B. Kreiser, and C. Qualls. 2007. Conservation genetics of the yellow-blotched sawback (Emydidae: *Graptemys flavimaculata*). Chelonian Research Foundation Linnaeus Fund Report. 27 pp.
- Ennen, J.R., B. Kreiser, C. Qualls, and **W. Selman**. 2007. Molecular comparison of *G. gibbonsi* from the Pearl and Pascagoula rivers. Final Report to the Linnaeus Fund of the Chelonian Research Foundation. 21 pp.
- Selman, W.** and C. Qualls. 2006. Steroid hormone levels and current population status of the yellow-blotched sawback turtle (*Graptemys flavimaculata*). Report to the Mississippi Department of Wildlife, Fisheries, and Parks. Jackson, MS. 58 pp.
- Selman, W.** and C. Qualls. 2005. Steroid hormone levels and reproduction in the yellow-blotched sawback turtle (*Graptemys flavimaculata*) and the congeneric ringed sawback turtle (*Graptemys oculifera*). Report to the Mississippi Department of Wildlife, Fisheries, and Parks. Jackson, MS. 33 pp.

### **Research Funding - \$1,084,551** (Excludes matching funds; internal sources noted)

- 2019 **U.S. Fish and Wildlife Service State Wildlife Grant, Louisiana.** \$42,690.  
Distribution and abundance of three co-occurring SGCN turtle species in the Pearl River, Louisiana.
- 2018 **Cincinnati Zoo & Botanical Garden (CZBG) Internal Conservation Fund Grant.** \$2000.  
Surveys for rare *Graptemys* species and the Green Salamander (*Aneides aeneus*) in northeastern Mississippi.
- 2018 **Millsaps Faculty Development Grant (Internal).** \$1700.

- Surveys for the Common Map Turtle (*Graptemys geographica*) in northeastern Mississippi & home range, habitat use, and migration of Box Turtles (*Terrapene carolina*) in Lefleur's Bluff State Park.
- 2017 **U.S. Fish and Wildlife Service, Section 6 Endangered Species Funding.** \$13,815.  
Conservation genetics of two federally petitioned *Graptemys* species, *Graptemys gibbonsi* and *Graptemys pearlensis*.
- 2017 **Millsaps Faculty Development Grant (Internal).** \$1850.  
Surveys for the Common Map Turtle (*Graptemys geographica*) in northeastern Mississippi.
- 2017 **Howard Hughes Medical Institute Research Scholar Program (Internal).** \$13,300 total (2 students, \$6650 each). Projects include:
- Status of *Graptemys oculifera* (Ringed Sawback) and other turtle populations in the Jackson segment of the Pearl River. PI with Haley Smith (student).
  - Reproductive ecology of *Chrysemys dorsalis* (Southern Painted Turtle) in Lefleur's Bluff State Park, Jackson, Mississippi. PI with Gracie Bellnap (student).
- 2015 **U.S. Fish and Wildlife Service State Wildlife Grant, Louisiana.** \$140,595.  
Distribution, abundance, and nesting of Reddish Egrets (*Egretta rufescens*) in Louisiana. Co-PI.
- 2015 **Rockefeller Trust Funds (Internal).** \$75,705.  
Distribution, abundance, and nesting of Reddish Egrets (*Egretta rufescens*) in Louisiana. Co-PI.
- 2014 **ConocoPhillips.** \$50,000.  
Reintroduction of the Whooping Crane in southwestern Louisiana. PI.
- 2014 **Rockefeller Trust Funds (Internal).** \$26,503.  
Population genetics of diamondback terrapins in Louisiana. Co-PI.
- 2013 **U.S. Fish and Wildlife Service Gulf Coast Joint Venture.** \$40,000.  
Evaluating the effects of coastal restoration projects on shorebirds and shorebird habitats in Cameron Parish. Co-PI.
- 2013 **Rockefeller Trust Funds (Internal).** \$30,182  
Evaluating the effects of coastal restoration projects on shorebirds and shorebird habitats in Cameron Parish. Co-PI.
- 2012 **U.S. Fish and Wildlife Service Gulf Coast Joint Venture.** \$29,900  
Hybridization in western Gulf Coast Mottled Ducks. Co-PI.
- 2012 **Louisiana Department of Wildlife and Fisheries, Office of Fisheries.** \$370,000  
Population status of diamondback terrapins (*Malaclemys terrapin*) in Louisiana and the interaction of crab fisheries on population viability. Co-PI.
- 2011 **U.S. Fish and Wildlife Service State Wildlife Grant, Louisiana.** \$81,211  
Surveys of the aquatic turtle fauna in southwestern Louisiana, with emphasis on three Louisiana species of conservation concern. Co-PI.

- 2011 **U.S. Fish and Wildlife Service, Division of Scientific Authority.** \$75,000  
Surveys of the aquatic turtle fauna in southwestern Louisiana, with emphasis on three Louisiana species of conservation concern. Co-PI.
- 2009 **Batchelor Foundation/Turtle Survival Alliance.** \$5,000  
Conservation genetics and public education for the yellow-blotched sawback (*Graptemys flavimaculata*) in the Pascagoula River system. PI.
- 2006 **U.S. Fish and Wildlife Service.** \$80,000  
Assessment of Hurricane Katrina on the yellow-blotched sawback (*Graptemys flavimaculata*). Co-PI.
- 2006 **Chelonian Research Foundation's (CRF) Linnaeus Fund.** \$2000  
Conservation genetics of the yellow-blotched map turtle (*Graptemys flavimaculata*). PI.
- 2006 **Chelonian Research Foundation's (CRF) Linnaeus Fund.** \$1900  
Molecular comparison of *Graptemys gibbonsi* populations in the Pearl and Pascagoula rivers. Co-PI.

## Invited Presentations

- 2018 Gandhi Day: International Day of Nonviolence, Millsaps College, Jackson, MS.  
Title: One (Trashy) Lake.
- 2018 Mississippi Museum of Natural Science Monthly Lecture Series, Jackson, MS  
Title: Conservation of coastal waterbirds and coastal habitats: long and short-term insights from Louisiana.
- 2017 Baton Rouge Audubon Society, Baton Rouge, LA.  
Title: Rabbit Island: Wildlife Paradise or Paradise Lost?
- 2016 14<sup>th</sup> Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles, Conservation and Policy in North America Session, New Orleans, LA.  
Title: Gulf Coast regional planning for diamondback terrapins (*Malaclemys terrapin*): research, management, & education.
- 2016 Discovering Biodiversity Educator Workshop, Lake Charles, LA  
Title: Conservation of diamondback terrapins (*Malaclemys terrapin*) in Louisiana
- 2016 Southeastern Louisiana University, Hammond, LA  
Title: Are life history and ecology studies still relevant? A case study of the Pascagoula Map turtle (*Graptemys gibbonsi*)
- 2015 Whooping Crane PVA Workshop, Calgary, Alberta, Canada  
Title: Status of the whooping crane reintroduction in southwestern Louisiana
- 2015 Millsaps College, Jackson, LA  
Title: Population status and ecology of diamondback terrapins (*Malaclemys terrapin*) in Louisiana
- 2015 Louisiana State University - Shreveport, Shreveport, LA  
Title: Chenier geology, ecology, and conservation
- 2015 Bird Study Club of Shreveport, Shreveport, LA  
Title: Avian research and conservation in southwestern Louisiana
- 2015 Gulf Coast Meeting of the Diamondback Terrapin Working Group, Lafayette, LA  
Title: Status of terrapin research in Louisiana
- 2015 Southeastern Partners in Amphibian and Reptile Conservation Meeting, Covington, LA  
Title: Pearls slipping off a string: evidence of a long-term decline in *Graptemys pearlensis* (Pearl Map turtle) from the Pearl River, Mississippi
- 2012 USFWS CITES Delegation: Trade and Management of Reptiles, Grand Chenier, LA

- Title: Turtle conservation and research in Louisiana
- 2012 11<sup>th</sup> International Effects of Oil on Wildlife Conference, New Orleans, LA  
Title: Short-term response of brown pelicans to oil spill rehabilitation and translocation
- 2011 LSU School of Renewable Natural Resources Seminar Series, Baton Rouge, LA  
Title: Environmental conditions and freshwater turtle demographics: a case study with the yellow-blotched sawback, *Graptemys flavimaculata*
- 2009 Joint Meeting of Ichthyologists and Herpetologists, Turtle Symposium, Portland, OR  
Title: The Pascagoula Map turtle (*Graptemys gibbonsi*): overlooked, declining, or both?
- 2009 Desert Tortoise Council 34<sup>th</sup> Annual Symposium, Mesquite, NV  
Title: Evaluating the impacts of human disturbance on endangered chelonians, with focus on the yellow-blotched sawback (*Graptemys flavimaculata*) of the Pascagoula River system, MS, USA
- 2009 University of Southern Mississippi Biological Sciences Seminar Series, Hattiesburg, MS  
Title: Distribution and abundance of two imperiled turtle species of the Pascagoula River system, Mississippi
- 2008 Mississippi Museum of Natural Science Monthly Lecture Series, Jackson, MS  
Title: A tale of two rivers: a look at two populations of yellow-blotched sawbacks
- 2008 6<sup>th</sup> World Congress of Herpetology, Manaus, Brazil  
Title: Twenty years of multi-agency conservation for the yellow-blotched sawback (*Graptemys flavimaculata*): what do we know and where do we go from here?
- 2008 Pascagoula River Festival, Lucedale, MS  
Title: Turtles of Mississippi and imperiled turtles of the Pascagoula River
- 2007 Singing River Symposium, Moss Point, MS  
Title: Population distribution and status of two riverine turtles within the Pascagoula River system

### **Presentations/Posters (\* Presenter, + Graduate, # Undergraduate)**

- Bellnap, G.\*# and **W. Selman**. 2019. Improved trapping methodologies and turtle community of Lefleur's Bluff State Park. Oral Presentation. 29<sup>th</sup> Annual Millsaps Student Science Research Symposium+, 2019 Millsaps Honors Research Conference, and 2019 Mississippi Amphibian and Reptil Conservation Meeting. February, March, and April 2019.  
+**Honorable Mention** for student oral presentation.
- Brown, G.\*+, L.S. Pearson+, G. Berry+, and **W. Selman**. 2019. A Yankee turtle invading the Deep South: confirmation of the northern map turtle (*Graptemys geographica*) in Mississippi. 2019 Mississippi Amphibian and Reptile Conservation Meeting. April 2019.
- Haden, L.\*#, R. Murray\*#, and **W. Selman**. 2019. Home range size and movements of box turtles (*Terrapene carolina*) in Lefleur's Bluff State Park. Poster. 29<sup>th</sup> Annual Millsaps Student Science Research Symposium and 2019 Mississippi Amphibian and Reptile Conservation Meeting. February and April 2019.
- Pearson, L.S.\*+, **W. Selman**, B. Kreiser, P.V. Lindeman, and R.L. Jones. 2019. Conservation genetics of two imperiled *Graptemys* species (*G. gibbonsi* and *G. pearlensis*) petitioned for federal listing. 2019 Annual Southeastern Partners in Amphibian and Reptile Conservation meeting and 2019 Mississippi Amphibian and Reptile Conservation Meeting. February and April 2019.
- Selman, W.** 2019. Two imperiled *Graptemys* species of the Pearl River and impacts of the proposed One Lake project. 2019 Mississippi Amphibian and Reptile Conservation Meeting. April 2019.

- Bellnap, G.\*# and **W. Selman**. 2018. Turtle communities of Lefleur's Bluff State Park. Poster. 28<sup>th</sup> Annual Millsaps Student Science Research Symposium. February 2018.
- Carter, D.\*#, M. Sullivan, A. Anderson, and **W. Selman**. 2018. Population and demographics of eastern box turtles (*Terrapene carolina*) in Lefleur's Bluff State Park. Poster. 28<sup>th</sup> Annual Millsaps Student Science Research Symposium. February 2018.
- Collins, S.A.\*, **W. Selman**, M.S. Lognion, and W.T. Strong. 2018. Reproductive ecology of reddish egrets nesting on a natural marsh island in southwest Louisiana. Poster. Louisiana Association of Professional Biologists Meeting. August 2018.
- Collins, S.A.\*, **W. Selman**, M. Seymour, S. Holcomb, and W. Strong. 2018. Filling-in information gaps about North America's rarest Ardeid, the reddish egret (*Egretta rufescens*): investigating habitat selection, nesting ecology, and movement patterns of birds nesting in Louisiana. Oral Presentation. Baton Rouge Audubon Society. March 2018.
- Selman, W.** 2018. A pearl of great price: an urban stretch of river and its importance for two riverine *Graptemys* species of the Pearl River. Oral Presentation. 16th Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises in Fort Worth, TX. August 2018.
- Selman, W.** 2018. Ongoing herpetological research at Millsaps College. 2018. Poster. Mississippi Amphibian and Reptile Conservation and Research Meeting. Jackson, MS.
- Smith, H.\*# and **W. Selman**. 2018. Observations of a non-native map turtle, *Graptemys pseudogeographica*, in the Pearl River and proposed origins of introduction. Poster. 28<sup>th</sup> Annual Millsaps Student Science Research Symposium. February 2018.
- Whitaker, J.M., K.M. Ringelman, J.R. Marty, **W. Selman**, and J.T. Linscombe. 2018. Changes in waterfowl abundance and species composition on Louisiana coastal wildlife management areas and refuges 2004 – 2016. 72nd Annual Conference of the Southeastern Association of Fish & Wildlife Agencies, Mobile, AL. Oct 2018.
- Brown, G.\*+, L. Pearson+, G. Berry+, M. Jaunsen#, and **W. Selman**. 2017. A Yankee turtle in the Deep South: surveys for the northern map turtle (*Graptemys geographica*) in Mississippi. Poster. 15th Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises in Charleston, SC. August 2017.
- Collins, S.A.\* and **W. Selman**. 2017. Reproductive ecology of reddish egrets nesting on a natural marsh island in southwest Louisiana. Oral presentation. American Ornithological Society Meeting, East Lansing, Michigan. August 2017.
- Collins, S.A.\*, **W. Selman**, and William Strong. 2017. Reproductive ecology of reddish egrets nesting on a natural marsh island in southwest Louisiana. Poster. Louisiana Association of Professional Biologists Meeting. August 2017.
- Pickens, B., S. King, P. Vasseur\*, S. Zimorski, and **W. Selman**. 2017. Seasonal movements and multiscale habitat selection of Whooping Crane (*Grus americana*) in natural and agricultural wetlands. Oral presentation. 14<sup>th</sup> North American Crane Workshop. Chattanooga, TN.

- Selman, W.\*** 2017. A major field experience: new Millsaps College turtle research projects in Mississippi. Poster. 15th Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises in Charleston, SC. August 2017.
- Selman, W.\*** and R.L. Jones. 2016. A pearl of great price: population status of two *Graptemys* endemic to the Pearl River system. Oral presentation. Mississippi Amphibian and Reptile Conservation and Research Meeting. Jackson, MS.
- Selman, W.\*** and P.V. Lindeman. 2017. Spatial, seasonal, and sexual variation in the diet of a threatened turtle species (*Graptemys flavimaculata*) of the Pascagoula River system, Mississippi, USA. Poster. 15th Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises in Charleston, SC. August 2017.
- Collins, S.\*, **W. Selman**, M. Seymour, S. Holcomb, and C. Green. 2016. Distribution, abundance, and nesting of reddish egrets (*Egretta rufescens*) in Louisiana: update. Oral Presentation. Reddish Egret Working Group Meeting, Tampa, FL.
- Selman, W.\*** and W. Strong. 2016. Clutch Size and Egg Characteristics of Diamondback Terrapins (*Malaclemys terrapin*) in Southwestern Louisiana. Poster. Southeastern Partners in Amphibian and Reptile Conservation Annual Meeting, Nauvoo, AL.
- Selman, W.\***, W. Strong, and B. Baccigalopi. 2016. Life in skinny water: observations of juvenile diamondback terrapins (*Malaclemys terrapin*) utilizing shallow water habitat, Oral Presentation. 14<sup>th</sup> Annual Symposium on the Conservation and Biology of Tortoises and Freshwater Turtles. New Orleans, LA.
- Arfman, A.\*+, E.K. Lyons, and **W. Selman**. 2015. Evaluating the Effects of Coastal Restoration on Shorebirds and Shorebird Habitats in Cameron Parish, Oral Presentation. 2015 Fall Symposium on Recent Natural Resource Research in Louisiana. Oral presentation. Louisiana Association of Professional Biologists, Baton Rouge, LA.
- Huntzinger, C.C.\*+, B. Kreiser, I. Louque+, P. Lindeman, J.F. Koukl, E.K. Lyons, and **W. Selman**. 2015. Conservation genetics of the Sabine map turtle (*Graptemys sabinensis*). Oral Presentation. 13th Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Tucson, AZ.
- Jones, M.T.\*+, L.L. Willey, P. Sievert, T.S.B. Akre, D. Yorks, J. Mays, A. Ross, R.M. Rios, G. Johnson, L. Erb, L.D. Gamboa, M. Marchand, **W. Selman**, and E. Gonzalez-Akre. 2015. Conserving functional landscapes for at-risk North American turtles: multi-scale coordinated sampling and new support structure. Oral Presentation. 13th Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Tucson, AZ.
- Louque, I.\*+, C.C. Huntzinger+, E.K. Lyons, S.H. Shively, **W. Selman**, and P.V. Lindeman. 2015. Distribution and abundance of two species of map turtles (genus *Graptemys*) in the Calcasieu and Sabine River drainages of Louisiana. Oral Presentation. 13th Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Tucson, AZ.
- Selman, W.\*** 2015. Diagnostic trait variability in the imperiled freshwater turtle *Graptemys flavimaculata*, with implications and caution for specimen-based research. Poster. 13th

- Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Tucson, AZ.
- Selman, W.\*** 2015. Herpetofaunal diversity from a remnant coastal chenier forest in southwestern Louisiana. Poster. Southeastern Partners in Amphibian and Reptile Conservation Annual Meeting, Covington, LA.
- Selman, W.\***, T.J. Hess, Jr., and J. Linscombe. 2015. Long-term population and colony dynamics of Brown Pelicans (*Pelecanus occidentalis*) in rapidly changing coastal Louisiana. Oral Presentation. Southeast Partners in Flight 2015 Annual Meeting, Lafayette, LA.
- Selman, W.\***, S.H. Pearson, and J.J. Weibe. 2015. Population structure of diamondback terrapins (*Malaclemys terrapin*) throughout coastal Louisiana. Oral Presentation. 13th Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Tucson, AZ.
- Ford, R.\*+, S. Taylor, and **W. Selman**. 2014. Hybridization and population structure of western Gulf Coast Mottled Ducks. Oral Presentation. 68<sup>th</sup> Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, Destin, FL.
- Huntzinger, C.C.\*+, K. Cantrelle\*, I. Louque, E.K. Lyons, and **W. Selman**. 2014. Freshwater turtles in crab traps: an alternative trapping technique for Kinosternid species. Poster. 12<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Orlando, FL.
- Pearson, S.\*+, **W. Selman**, and J. Weibe. 2014. Evaluation of diamondback terrapin (*Malaclemys terrapin*) abundance, distribution, and reproduction throughout coastal Louisiana. Oral Presentation. Louisiana Department of Wildlife and Fisheries Research, Management, and Education Symposium, Baton Rouge, LA.
- Petre, C.\*+, **W. Selman**, B. Kreiser, S. Pearson, and J. Weibe. 2014. Population genetics of diamondback terrapins (*Malaclemys terrapin*) across Louisiana. Oral Presentation. 12<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Orlando, FL.
- Selman, W.\*** and R.L. Jones. 2014. Population status and demographics of two *Graptemys* species from the Pearl River, Mississippi, USA. Oral Presentation. 12<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Orlando, FL.
- Cantrelle, K.M.\*#, C.C. Huntzinger+, E.K. Lyons, and **W. Selman**. 2013. Trap success and distribution of razorback musk turtles (*Sternotherus carinatus*) in southwestern Louisiana. Poster. Louisiana Association of Professional Biologists Meeting, Baton Rouge, LA.
- Eaker, J.L.\*#, K.M. Cantrelle#, C.C. Huntzinger+, I. Louque+, E.K. Lyons, and **W. Selman**. 2013. Distribution, range, and concentration of Sabine map turtles (*Graptemys sabinensis*) within the Calcasieu watershed. Poster. Louisiana Association of Professional Biologists Meeting, Baton Rouge, LA.
- Gaillard, D.\*+, **W. Selman**, B. Jones, B. Kreiser, C. Qualls, and K. Landry. 2013. A pearl of a turtle: population genetics of the ringed sawback (*Graptemys oculifera*) from the Pearl River



- system, USA. Oral Presentation. 11<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, St. Louis, MO.
- Huntzinger, C.C.\*+, I. Louque+, E.K. Lyons, and **W. Selman**. 2013. Distribution and abundance of alligator snapping turtles (*Macrochelys temmenckii*) in southwestern Louisiana. Oral Presentation. 11<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, St. Louis, MO.
- Louque, I.\*+, C.C. Huntzinger+, E.K. Lyons, and **W. Selman**. 2013. The Sabine map turtle (*Graptemys sabinensis*) in southwestern Louisiana: a comparison of populations and morphology in three river systems. Oral Presentation. 11<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, St. Louis, MO.
- Selman, W.\***, B. Baccigalopi, and C. Baccigalopi. 2013. Distribution and abundance of diamondback terrapins in southwestern Louisiana. Oral Presentation. 11<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, St. Louis, MO and 6<sup>th</sup> Symposium on the Ecology, Status, and Conservation of Diamondback Terrapins, Charleston, SC.
- Stultz, B.\* , **W. Selman**, S. Pearson, D. Cassady, A. Magro, T. Credeur, and J.J. Weibe. 2013. An evaluation of diamondback terrapin (*Malaclemys terrapin*) population status and nesting ecology in coastal Louisiana. Poster. 6<sup>th</sup> Symposium on the Ecology, Status, and Conservation of Diamondback Terrapins, Charleston, SC.
- Huntzinger, C.C.\*+, I. Louque+, E.K. Lyons, and **W. Selman**. 2012. A comparison of aquatic turtle species in southwestern Louisiana. Oral Presentation. Louisiana Association of Professional Biologists Meeting, Lafayette, LA.
- Selman, W.\*** 2011. Geographic variation in population structure, shape morphology, and sexual size dimorphism in *Graptemys flavimaculata*. Oral Presentation. 9<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Orlando, FL.
- Selman, W.\*** 2011. Distribution and abundance of diamondback terrapins in southwestern Louisiana: a pilot study on Rockefeller Wildlife Refuge. Poster. 9<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Orlando, FL.
- Selman, W.\*** and C. Qualls. 2010. The impacts of human recreation on the behavior and physiology of the yellow-blotched sawback (*Graptemys flavimaculata*), an imperiled turtle of the Pascagoula River system. Oral Presentation. Mississippi Amphibian and Reptile Conservation Symposium, Jackson, MS.
- Selman, W.\***, J. Jawor, and C. Qualls. 2010. Seasonal variation of corticosterone levels in *Graptemys flavimaculata*, an imperiled freshwater turtle. Poster. 8<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Orlando, FL.
- Selman, W.\***, B. Kreiser, and C. Qualls. 2009. Conservation genetics of the yellow-blotched sawback (*Graptemys flavimaculata*). Oral Presentation. 7<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Tucson, AZ.
- Selman, W.\*** and C. Qualls. 2008. Basking ecology of the yellow-blotched sawback (*Graptemys flavimaculata*) and the implications of human disturbance on thermoregulatory behavior.

Oral Presentation. 6<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, St. Louis, MO.

**Selman, W.\*** and C. Qualls. 2007. Population distribution and status of two riverine turtles within the Pascagoula River system. Oral Presentation. 5<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Atlanta, GA. \*Best student presentation, runner up.

**Selman, W.\*** and C. Qualls. 2006. Is there population structure in the yellow-blotched sawback turtle (*Graptemys flavimaculata*) in a seemingly continuous environment? Oral Presentation. 4<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, St. Louis, MO.

**Selman, W.\*** and C. Qualls. 2006. The impacts of Hurricane Katrina on a population of yellow-blotched sawback turtles (*Graptemys flavimaculata*): An aquatic perspective. Poster. 4<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, St. Louis, MO.

## College Service

2017- **Faculty Representative.** Board of Trustees Facility and Grounds Committee.

2017- **Division of Sciences Faculty Representative.** Millsaps All College Council.  
2018

2017- **Faculty Advisor.** Kappa Sigma Fraternity, Alpha Upsilon Chapter.

## Professional & Public Outreach and Service

2017- **Board of Directors.** The American Turtle Observatory. Provide advice and guidance on  
*Pres.* new/existing projects; work to advance partnerships; and serve in an advisory role for grants program in order to identify, conserve, and protect landscapes for North American freshwater turtles.

2011- **Conference Student Presentation Award Committee.** 9<sup>th</sup>– 16<sup>th</sup> Annual  
*Pres.* Symposium on Conservation and Biology of Freshwater Turtles and Tortoises.

2018 **Conference Organizer for *Graptemys* Session.** 16<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises in Fort Worth, TX.

2016 **Subject Matter Expert.** Selected to provide status information regarding bird, reptile, and amphibian species of conservation concern for the "*Mississippi and North-Central Alabama Public Lands At-Risk Species Workshop.*"

2015- **Advisor/Key Partner.** The American Turtle Observatory. Provide advice to  
2017. identify, conserve, and protect landscapes for freshwater turtles in North America.

2013- **Regional Co-representative for the Gulf Coast Region.** Diamondback Terrapin  
2018 Working Group.

2010- **Rockefeller Wildlife Refuge Education & Outreach.** Provide informal presentations to  
2016 visiting school classes and civic groups.

- 2010 **Counsel for the IUCN Redlisting Process.** Provided expert opinion on imperiled North American freshwater turtle species for IUCN draft assessment.
- 2010 **Counsel for Mississippi Chapter of The Nature Conservancy.** Prioritized aquatic habitats of the Pascagoula River Basin for future riparian land acquisition efforts.
- 2009 **Counsel for Mississippi Comprehensive Wildlife Conservation Strategy.** Assisted in updating the Amphibian & Reptile species knowledge and research needs.
- 2009 **Conference Session Organizer and Chair.** 7<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises. *Graptemys* Session.
- 2008-2010 **Troop Assistant with Boy Scout Troop 461.** Edwards Street Fellowship Center, Hattiesburg, MS. Fall 2008-2010.
- 2006-2014 **Science Fair Judge.** Oak Grove Lower Elementary with USM and South Cameron High School with Rockefeller Wildlife Refuge.

## Commendations

**Millsaps Commendation for Scholarship.** AY 2016/2017, 2017/2018

**Millsaps Commendation for Teaching.** AY 2017/2018

## Awards & Honors

- 2019 **2018 Best Paper Young Scholar in Herpetology.** Award for journal article in *Copeia* entitled, "Spatial, seasonal, and sexual variation in the diet of *Graptemys flavimaculata*."
- 2018 **Richard A. Smith Award for Excellence in Scholarship or Creative Work.** Selected among the Millsaps faculty for exceptional scholarship productivity.
- 2017 **Regional Vice Chair for North America.** Selected to represent North America for the Tortoise and Freshwater Turtle Specialist Group.
- 2015 **Louisiana Representative for Whooping Crane PVA workshop.** Selected to represent Louisiana's reintroduction team at international workshop, Calgary, Canada.
- 2011 **LDWF 2010 Employee Recognition Award.** Team Award for Deepwater Horizon Oil Spill Response & Disaster Recovery
- 2010, 2011 **Louisiana Representative for USFWS Workshops.**
- Conservation and Trade Management of Freshwater and Terrestrial Turtles in the United States. St. Louis, MO
  - Turtle Farming Best Management Practices in the United States. Baton Rouge, LA
- 2009 **Outstanding Doctoral Student of the Year Award.** College of Science and Technology, The University of Southern Mississippi
- 2009 **Best Student Presentation.** Desert Tortoise Council 34<sup>th</sup> Annual Symposium

- 2009 **Expert Opinion for Yellow-blotched Map Turtle.** In *Countdown to Extinction: Last One*. National Geographic 215(1): 82-107. Rangewide population estimate cited (page 88)
- 2007 **Runner-Up for Best Student Presentation.** 5<sup>th</sup> Annual Symposium on Conservation and Biology of Freshwater Turtles and Tortoises, Atlanta, GA

## Journal Affiliations

- **Co-Section Editor, Chelonians.** *Herpetological Conservation and Biology*. 2016 – pres. 28 manuscripts.
- **Graptemys Special Issue Guest Co-editor.** *Chelonian Conservation and Biology*. 2019 – pres.
- **Editorial Board.** *Southeastern Naturalist*. 2013 – 2016. 11 manuscripts.
- **Assistant/Associate Editor.** *Herpetological Conservation and Biology*. 2010 – 2016. 7 manuscripts.
- **Guest Associate Editor.** *Southeastern Naturalist*. 2012. 1 manuscript.
- **Reviewer.** *Chelonian Conservation and Biology* (8 manuscripts), *Wilson Journal of Ornithology* (3), *Canadian Journal of Zoology* (2), *Conservation Physiology* (2), *Journal of Fish and Wildlife Management* (2), *Journal of Herpetology* (2), *Southeastern Naturalist* (2), *Aquatic Conservation: Marine and Freshwater Ecosystems* (1), *Copeia* (1), *Ecology and Evolution* (1), *Gulf and Caribbean Research* (1), *Herpetologica* (1), *Herpetological Conservation and Biology* (1), *Journal of Field Ornithology* (1), *Journal of Threatened Taxa* (1), *PLOS ONE* (1), *Transactions of the Illinois State Academy of Science* (1), and *Tropical Zoology* (1).

## Additional Review Duties

- 2019 **American Turtle Observatory Small Grants Opportunity.** 8 proposals.
- 2017 **American Turtle Observatory Small Grants Opportunity.** 33 proposals.
- 2017 **U.S. Fish & Wildlife Service Draft 5 Year Review for *Graptemys flavimaculata*.**
- 2017 **RESTORE Act Center of Excellence in Louisiana.** 1 proposal.
- 2016 **NOAA RESTORE Act Science Program.** 1 proposal.
- 2016 **American Turtle Observatory Small Grants Opportunity.** 7 proposals.
- 2016 **Diamondback Terrapin Working Group Grants-in-Aid of Research.** 4 proposals.
- 2015 **National Geographic Society.** 1 proposal
- 2015 **American Turtle Observatory Small Grants Opportunity.** 43 proposals

## Training

- **Airboat Operator Certified.** Department of the Interior Airboat Operation Certification Course AOCC. March 2012.
- **Boating Education Certified.** Department of Wildlife and Fisheries. 2010, 2016.
- **Professional Grant Writing.** Grant Writing Center Professional Grant Writing Workshop. August 2012.
- **First Aid and Blood-borne Pathogens Training.** Four courses to discuss current First Aid and blood-borne pathogens protocols. 2010, 2015.
- **Certified to Prescribe Burn.** Certified Prescribed Marsh Burning Workshop. 2011.
- **Ethics Training.** Code of Ethics for Public Servants. 2012 – 2015.
- **Comprehensive Public Training Program for Supervisors.** Five courses pertaining to effective supervision including a core capstone course. 2015.

## Past Employees Supervised

William Strong, Wildlife and Fisheries Technician 2-3 (Research), LDWF. 2015 – 2016.  
Phillip Vasseur, Biologist 2-3 (Research Biologist), LDWF. 2015 – 2016.

Samantha Collins, Biologist 2-3 (Research Ornithologist), LDWF. 2014 – 2016.  
 Sara Zimorski, Biologist 2-3 (Whooping Crane), LDWF. 2011 – 2016.  
 Eva Szyszkoski, Wildlife and Fisheries Technician 2 (Whooping Crane), LDWF. 2015.  
 Bruce Davis, Ph.D. Biologist 2 (Research Ornithologist), LDWF. 2012 – 2014.  
 Caleb Whalley, Summer Student Worker, LDWF. Summers 2014 – 2015.  
 Dylan Trahan, Summer Student Worker, LDWF. Summer 2014.  
 Deanna Brown, Summer Student Worker, LDWF. Summer 2013.  
 Colt Reeves, Summer Student Worker, LDWF. Summers 2012 – 2013.  
 Thomas Bocek, Map Turtle Field Technician, USM. 2008.  
 Brandon Drescher, Map Turtle Field Technician, USM. 2008.  
 Chris Griffith, Map Turtle Field Technician, USM. 2008.  
 Dustin Strong, Map Turtle Field Technician, USM. 2007.

## Current Research Students

**Grover Brown.** The University of Southern Mississippi, Hattiesburg, MS. Doctoral Dissertation Committee Member. 2016 – present.  
**Garner Fincher.** Millsaps College. Undergraduate research student. 2019 – present.  
**Langston Haden.** Millsaps College. Undergraduate research student. 2018 – present.  
**Kim Manley.** Millsaps College. Undergraduate research student. 2019 – present.  
**Todd Nims.** The University of Georgia, Athens, GA. Collaborator on Doctoral Dissertation project. 2014 – present.  
**Luke Pearson.** The University of Southern Mississippi, Hattiesburg, MS. Doctoral Dissertation Committee Member. 2017 – present.

## Past Research Students

**Daniel Adams.** Millsaps College. Undergraduate Research Student. Spring 2018. Graduated  
**Abigail Arfman.** McNeese State University, Lake Charles, LA. Master's Thesis committee member and collaborator. 2014 – 2016. Graduated.  
**Lexi Barron.** Millsaps College. Undergraduate Research Student. Spring 2018. Graduated.  
**Gracie Bellnap.** Millsaps College. HHMI Research Fellow and Honor's Student. 2017 – 2019. Graduated with Honors.  
**Drew Carter.** Millsaps College. Undergraduate Research Student. 2017 – 2018. Graduated.  
**Jordan Donini.** Southeastern Louisiana University, Hammond, LA. Collaborator on Master's Thesis project. 2015 – 2016. Graduated.  
**Robert Ford.** Louisiana State University, Baton Rouge, LA. Collaborator on Master's Thesis project. 2013 – 2015. Graduated.  
**Daniel Gaillard.** The University of Southern Mississippi, Hattiesburg, MS. Collaborator on Doctoral Dissertation Project. 2013 – 2015. Graduated.  
**Aaron Holbrook.** The University of Southern Mississippi, Hattiesburg, MS. Master's Thesis committee member. 2012 – 2015. Graduated.  
**McAulay Jaunsen.** Millsaps College. Undergraduate Research Student. 2017 – 2018. Graduated.  
**Irvin Louque.** McNeese State University, Lake Charles, LA. Master's Thesis committee member and collaborator. 2011 – 2014. Graduated.  
**Cybil Covic Huntzinger.** McNeese State University, Lake Charles, LA. Master's Thesis committee member and collaborator. 2011 – 2014. Graduated.  
**Richard Murray.** Millsaps College. Undergraduate research student. 2018 – 2019. Graduated.  
**Charlotte Petre.** The University of Southern Mississippi, Hattiesburg, MS. Collaborator on Thesis project. 2014 – 2015. Graduated.

**Beth Reinke.** Dartmouth College, Hanover, NH. Collaborator on Doctoral Dissertation project. 2013 – 2016. Graduated.

**Haley Smith.** Millsaps College. HHMI Research Fellow. 2017 – 2018. Graduated.

**Michael Sullivan.** Millsaps College. Undergraduate Research Student. 2017. Graduated.

**Willis Sylvest.** McNeese State University, Lake Charles, LA. Master's Thesis committee member and collaborator. 2014 – 2015. Incomplete; selected non-thesis route.

## References

Dr. Carl Qualls. Associate Professor of Biology (Doctoral Advisor). The University of Southern Mississippi. (601) 266-6906. carl.qualls@usm.edu

Dr. Brian Kreiser. Professor of Biology (Doctoral Committee Member, Collaborator). The University of Southern Mississippi. (601) 266-6556. brian.kreiser@usm.edu

Dr. Bob Jones. State Herpetologist of Mississippi (Doctoral Committee Member, Collaborator). Mississippi Museum of Natural Science. (601) 354-7303. bob.jones@mmns.state.ms.us

Dr. Peter Lindeman. Professor (Collaborator). Edinboro University. (814) 732-2447. plindeman@edinboro.edu