

CHRISTOPHER P. BONVILLAIN

Department of Biological Sciences
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EDUCATION

Ph.D., *Wildlife and Fisheries Science*, Louisiana State University, Baton Rouge, LA. 2012

M.S., *Marine and Environmental Biology*, Nicholls State University, Thibodaux, LA. 2006

B.S., *Biology* (Environmental Biology concentration, Chemistry minor), Nicholls State University, Thibodaux, LA. 2004

RESEARCH INTERESTS

Crayfish biology and ecology, biotic and abiotic effects on aquatic biota, physical and physiological responses of aquatic biota to environmental hypoxia.

PROFESSIONAL EXPERIENCE

Graduate Program Coordinator 2017-date
Nicholls State University, Thibodaux, LA.
Primary duties include: Supervise and coordinate personnel, logistics, and academics of M.S. graduate program.

Assistant Professor 2016-date
Nicholls State University, Thibodaux, LA.
Primary duties include: Teach and develop undergraduate and graduate courses. Advise and mentor undergraduate and graduate students and serve as graduate faculty on M.S. committees. Develop and maintain an extramurally funded research laboratory.

Adjunct Faculty 2014-date
Louisiana State University, School of Renewable Natural Resources, Baton Rouge, LA
Primary duties include: Graduate committee member for M.S. and Ph.D. students.

Instructor 2013-2016
Nicholls State University, Thibodaux, LA.
Primary duties include: Teach and develop undergraduate and graduate courses. Advise and mentor undergraduate and graduate students and serve as graduate faculty on M.S. student committees.

- Postdoctoral Research Associate** 2012-2013
Louisiana State University, School of Renewable Natural Resources, Baton Rouge, LA.
 Primary duties include: Conduct fisheries, invertebrate, and water quality monitoring and assessment in the Atchafalaya River Basin and Louisiana coastal plain streams. Train and monitor research associates, graduate students, and undergraduate student workers on fisheries, invertebrate, and limnological sampling designs and protocols.
- Graduate Research Assistant** 2006-2012
Louisiana State University, School of Renewable Natural Resources, Baton Rouge, LA.
 Dissertation: Red swamp crayfish *Procambarus clarkii* in the Atchafalaya River Basin: biotic and abiotic effects on population dynamics and physiological biomarkers of hypoxic stress.
- Graduate Research Assistant** 2004-2006
Nicholls State University, Thibodaux, LA.
 Thesis: The use of a low-water refuge in the Atchafalaya River Basin by adult spotted gar *Lepisosteus oculatus*.
- Undergraduate Student Worker** 2003-2004
Nicholls State University, Thibodaux, LA.
 Undergraduate Thesis: Effects of naturally occurring hypoxia on the growth of young-of-the-year largemouth bass *Micropterus salmoides* in the Atchafalaya River Basin.

PEER-REVIEWED PUBLICATIONS

(*GRADUATE STUDENT; #UNDERGRADUATE STUDENT)

#Logarbo, J. and **C. P. Bonvillain**. *In prep.* Physical and physiological thermal maxima of two sympatric Louisiana crayfishes, *Procambarus clarkii* and *P. zonangulus*.

*Budnick, W. R., **C. P. Bonvillain**, S. Lott, and M. D. Kaller. *In prep.* An update to the ranges of two Louisiana *Orconectes palmeri* subspecies.

Mestre, A., R. K. Butlin, W. E. Kelso, R. Romaine, **C. P. Bonvillain**, J. S. Monrós, and F. Mesquita-Jones. 2016. Contrasting patterns of genetic diversity and spatial structure in an invasive symbiont-host association. *Biological Invasions* 18(11):3175-3191.

Bonvillain, C. P., D. A. Rutherford, W. E. Kelso. 2015. Effects of environmental hypoxia on population characteristics of red swamp crayfish *Procambarus clarkii* in the Atchafalaya River Basin, Louisiana. *Hydrobiologia* 743:309-319.

- Bonvillain, C. P.**, D. A. Rutherford, W. E. Kelso, and C. E. Murphy. 2013. Biotic and abiotic influences on population characteristics of *Procambarus clarkii* in the Atchafalaya River Basin, Louisiana. *Freshwater Crayfish* 19(2):125-136.
- Bonvillain, C. P.**, D. A. Rutherford, W. E. Kelso, and C. C. Green. 2013. Evaluation of hand-held meters for determination of hemolymph lactate and protein concentrations in red swamp crayfish *Procambarus clarkii*. *Journal of Crustacean Biology* 33(6):894-897.
- Bonvillain, C. P.**, D. A. Rutherford, W. E. Kelso, and C. C. Green. 2012. Physiological biomarkers of hypoxic stress in red swamp crayfish *Procambarus clarkii* from field and laboratory experiments. *Comparative Biochemistry and Physiology A* 163(1):15-21.
- Bonvillain, C.P.**, B.T. Halloran, K.M. Boswell, W.E. Kelso, A.R. Harlan, and D.A. Rutherford. 2011. Acute physicochemical effects in a large river-floodplain system associated with the passage of Hurricane Gustav. *Wetlands* 31(5):979-987.
- Bonvillain, C.P.**, A.M. Ferrara, and Q.C. Fontenot. 2008. Relative abundance and biomass estimate of a spotted gar population in a seasonally connected large river floodplain lake. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 62:177-182.
- Boopathy, R., **C. Bonvillain**, Q. Fontenot, and M. Kilgen. 2007. Biological treatment of low-salinity shrimp aquaculture wastewater using sequencing batch reactor. *International Biodeterioration & Biodegradation* 59:16-19.
- Fontenot, Q., **C. Bonvillain**, M. Kilgen, and R. Boopathy. 2007. Effects of temperature, salinity, and carbon:nitrogen ratio on sequencing batch reactor treating shrimp aquaculture wastewater. *Bioresource Technology* 98:1700-1703.

RECENT FUNDING

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| Bonvillain, Christopher (PI) and Quenton Fontenot. Population assessment of crayfish in the eastern Atchafalaya River Basin, The Nature Conservancy, \$48,000. | 1/2018 |
| Bonvillain, Christopher (PI) and Earl Melancon. Assessment of cultch placement along an eroding Wisner shoreline to facilitate protection and to recruit oysters for commercial harvest. Wisner Foundation, \$15,000. | 10/2017 |
| Bonvillain, Christopher (PI) and Quenton Fontenot. Effect of hydrologic restoration activities on red swamp crayfish <i>Procambarus clarkii</i> population characteristics in the Atchafalaya River Basin, The Nature Conservancy, \$48,000. | 1/2016 |

Bonvillain, Christopher (PI), Allyse Ferrara, and Quenton Fontenot. Enhancement of aquatic ecosystem sampling equipment at Nicholls State University, Louisiana Board of Regents, \$32,946.	8/2015
Bonvillain, Christopher. Production of 2014 year class black mangrove seedlings, Coalition to Restore Coastal Louisiana, \$15,000.	8/2015

TEACHING EXPERIENCE

(*GRADUATE COURSE OR CREDIT)

Nicholls State University

BIOL 105: Basic Biology I – Principles of Biology	Fall, Spring
BIOL 106: Basic Biology II – The Diversity of Life	Fall, Spring
BIOL 156: General Biology II	Summer
BIOL 404: Ecology	Fall
*BIOL 430: Limnology (<i>personally developed</i>)	Spring
BIOL 475: Research Problems	Fall, Spring
*BIOL 500: Teaching Internship	Fall, Spring
*BIOL 530: Aquatic Ecology (<i>personally developed</i>)	Spring
*BIOL 552: Marine and Environmental Biology II	Fall

Louisiana State University

*RNR/BIOL 4145: Ichthyology	2007, 2008, 2011
RNR 1002: Issues in Natural Resource Management	2009, 2010

GRADUATE ADVISOR

Gabrielle Sisson – M.S. Thesis: Population assessment of crayfish in the eastern Atchafalaya River Basin.	2018-date
Alexa Ballinger – M.S. Thesis: Crayfish population characteristics in two hydrologically different Louisiana river-floodplain systems.	2017-date
Brandon Bergeron – M.S. Thesis: Diet of invertivorous and piscivorous fishes from two hydrologically different Louisiana river-floodplain systems.	2017-date
Lauren Kong – M.S. Thesis: Population characteristics of red swamp crayfish <i>Procambarus clarkii</i> from hydrologically impaired locations in the Atchafalaya River Basin.	2016-2017

GRADUATE COMMITTEES

Emily Bodin – M.S. Thesis: Ammonia production and elimination in spotted gar <i>Lepisosteus oculatus</i> embryos and larvae.	2016-date
Ellie Wallace – M.S. Thesis: Comparison of finfish community structure between the Atchafalaya River Basin and the upper Barataria Estuary, Louisiana.	2016-date
Alexis Rixner – M.S. Thesis: Comparison of bowfin <i>Amia calva</i> diets and reproductive activity in the upper Barataria Estuary and Atchafalaya River Basin.	2016-date
Andria Ostrowski – M.S. Thesis: Hormonal control of epidermal carbonic anhydrase and exoskeletal metal deposition in the blue crab, <i>Callinectes sapidus</i> .	2016-date
Chris Haynes – M.S. Thesis: Reproductive comparison of bowfin <i>Amia calva</i> in two Louisiana river basins.	2014-date
Earl McNeese – M.S. Thesis: Tracking the movements of bowfin, <i>Amia calva</i> , in the upper Barataria Estuary using radio telemetry.	2014-date
Sarah Rehage – M.S. Thesis: The microbial gut ecology of the red swamp crayfish, <i>Procambarus clarkii</i> .	2014-17
Seth Moncrief – M.S. Thesis: Reproductive development of spotted gar <i>Lepisosteus oculatus</i> in two Louisiana floodplains.	2013-date
Paige O'Malley – M.S. Thesis: Movement response of largemouth bass <i>Micropterus salmoides</i> to episodic hypoxic conditions.	2013-date
John Grosch – M.S. Thesis: Fish community structure in the hydrologically impaired upper Barataria Estuary, Louisiana.	2013-15

UNDERGRADUATE RESEARCH MENTOR

Jordan Logarbo – Thermal maxima of two sympatric crayfish species in Louisiana, <i>Procambarus clarkii</i> and <i>P. zonangulus</i> .	2015-17
Brandon Bergeron – Diet comparison of bowfin <i>Amia calva</i> populations from two hydrologically different Louisiana river-floodplain systems.	2015-16

GUEST LECTURES, INVITED SEMINARS, AND SYMPOSIA

Guest Speaker – Seminar (BIOL 401/501), Nicholls State University. Red swamp crayfish in the Atchafalaya River Basin: biotic and abiotic effects on population dynamics and physiological biomarkers of hypoxic stress. 12 Sep 2016

Featured Speaker – Nicholls State University Research Week. Red swamp crayfish in the Atchafalaya River Basin: biotic and abiotic effects on population dynamics. 7 Mar 2013

Symposium Chair: “An Out of Channel Experience: The Importance of Floodplain Form and Function to Southeastern Fisheries”, 20th Annual Spring Meeting of the Southern Division of the American Fisheries Society. 28 Jan 2012

Guest Lecturer – Natural Resource Measurements and GIS (RNR 2102), Louisiana State University. Limnological and fisheries sampling techniques. Fall 2012

Guest Lecturer – Limnology (RNR 4025), Louisiana State University. Thermal stratification and dissolved oxygen dynamics in the Atchafalaya River Basin. Fall 2011, 2012

PRESENTATIONS (SINCE 2006)

(# POSTER PRESENTATION)

#Ballinger, A. and **C. P. Bonvillain**. 2017. Crayfish population characteristics in two hydrologically different Louisiana river-floodplain systems. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Thibodaux, LA.

Kong, L. and **C. P. Bonvillain**. 2017. Population characteristics of red swamp crayfish *Procambarus clarkii* from hydrologically impaired areas in the Atchafalaya River Basin. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Thibodaux, LA.

#Logarbo, J. and **C. P. Bonvillain**. 2017. Physical and physical thermal stress responses of two sympatric crayfishes in Louisiana, *Procambarus clarkii* and *P. zonangulus*. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Thibodaux, LA.

#Kong, L. and **C. P. Bonvillain**. 2017. Population characteristics of red swamp crayfish *Procambarus clarkii* from hydrologically impaired areas in the Atchafalaya River Basin. Nicholls State University Expeaux, Thibodaux, LA.

#Logarbo, J. and **C. P. Bonvillain**. 2017. Physical and physical thermal stress responses of two sympatric crayfish species in Louisiana, *Procambarus clarkii* and *P. zonangulus*. Nicholls State University Expeaux, Thibodaux, LA.

- #McNeese, E. G., **C. P. Bonvillain**, Q. Fontenot, G. LaFleur, and A. Ferrara. 2017. Tracking the movements of bowfin *Amia calva* in the upper Barataria estuary using radio telemetry. Nicholls State University Expeaux, Thibodaux, LA.
- #Logarbo, J. and **C. P. Bonvillain**. 2017. Physical and physical thermal stress responses of two sympatric crayfish species in Louisiana, *Procambarus clarkii* and *P. zonangulus*. University of Louisiana's 6th Academic Summit, Hammond, LA.
- #Bergeron, B., **C. Bonvillain**, C. Haynes, Q. Fontenot, and A. Ferrara. 2016. Diet comparison of bowfin *Amia calva* populations from two hydrologically different Louisiana river-floodplain systems. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, LA.
- #Logarbo, J. and **C. P. Bonvillain**. 2016. Thermal maxima of two sympatric crayfish species in Louisiana, *Procambarus clarkii* and *P. zonangulus*. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, LA.
- McNeese, G., **C. Bonvillain**, Q. Fontenot, G. LaFleur, and A. Ferrara. 2016. Tracking the movements of bowfin, *Amia calva*, in the upper Barataria Estuary using radio telemetry. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, LA.
- #Bergeron, B., **C. Bonvillain**, C. Haynes, Q. Fontenot, and A. Ferrara. 2016. Diet comparison of bowfin *Amia calva* populations from two hydrologically different Louisiana river-floodplain systems. University of Louisiana's 5th Academic Summit, Thibodaux, LA.
- #Bergeron, B., **C. Bonvillain**, C. Haynes, Q. Fontenot, and A. Ferrara. 2016. Diet comparison of bowfin *Amia calva* populations from two hydrologically different Louisiana river-floodplain systems. Nicholls State University Research Week, Thibodaux, LA.
- #Haynes, C., Q. Fontenot, **C. Bonvillain**, G. LaFleur, and A. Ferrara. 2016. Reproductive comparison of bowfin *Amia calva* in two Louisiana river basins. Nicholls State University Research Week, Thibodaux, LA.
- #Logarbo, J. and **C. P. Bonvillain**. 2016. Thermal maxima of two sympatric crayfish species in Louisiana, *Procambarus clarkii* and *P. zonangulus*. Nicholls State University Research Week, Thibodaux, LA.
- #McNeese, G., **C. Bonvillain**, Q. Fontenot, G. LaFleur, and A. Ferrara. 2016. Tracking the movements of bowfin *Amia calva* in the upper Barataria Estuary using radio telemetry. Nicholls State University Research Week, Thibodaux, LA.

- #Budnick, W. R., **C. P. Bonvillain**, S. Lott, and M. D. Kaller. 2016. Enemy at the gates: distributions of painted crayfishes (*Orconectes palmeri* subspecies) are closing in on range restricted and habitat sensitive Louisiana crayfish species. 24th Annual Spring Meeting of the Southern Division of the American Fisheries Society, Wheeling, West Virginia.
- #**Bonvillain, C. P.**, D. A. Rutherford, and W. E. Kelso. 2015. Crayfish as a diet constituent in invertivorous and piscivorous fishes in the southeastern Atchafalaya River Basin. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, Louisiana.
- Grosch, J. F., A. M. Ferrara, **C. P. Bonvillain**, and Q. C. Fontenot. 2015. Fish community structure of the upper Barataria Estuary, Louisiana. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, Louisiana.
- Moncrief, S. R., A. M. Ferrara, G. J. LaFleur, **C. P. Bonvillain**, and Q. C. Fontenot. 2015. Gonad development of female spotted gar *Lepisosteus oculatus* in two Louisiana floodplains. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, Louisiana.
- O'Malley, P., Q. Fontenot, **C. Bonvillain**, C. Gothreaux, and A. Ferrara. 2015. Movement of largemouth bass *Micropterus salmoides* in response to episodic hypoxic conditions in the upper Barataria Estuary. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, Louisiana.
- #Grosch, J., Q. Fontenot, **C. Bonvillain**, A. Ferrara, and A. Pierce. 2015. Fish community structure in four different shoreline habitats of the upper Barataria Estuary, Louisiana. Nicholls State University Research Week, Thibodaux, Louisiana.
- #O'Malley, P., Q. Fontenot, **C. Bonvillain**, C. Gothreaux, and A. Ferrara. 2015. Movement of largemouth bass *Micropterus salmoides* in response to episodic hypoxic conditions in the upper Barataria Estuary. Nicholls State University Research Week, Thibodaux, Louisiana.
- #Moncrief, S., Q. Fontenot, A. Ferrara, G. LaFleur, **C. Bonvillain**, and B. Piazza. 2015. Reproductive development of spotted gar *Lepisosteus oculatus* in two Louisiana floodplains. Nicholls State University Research Week, Thibodaux, Louisiana.
- #**Bonvillain, C. P.**, D. A. Rutherford, and W. E. Kelso. 2014. Effects of environmental hypoxia on population characteristics of red swamp crayfish *Procambarus clarkii* in the Atchafalaya River Basin. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Thibodaux, Louisiana.
- #**Bonvillain, C. P.**, D. A. Rutherford, W. E. Kelso, and C. C. Green. 2012. Physiological biomarkers of hypoxic stress in red swamp crayfish *Procambarus clarkii* from field and laboratory experiments. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, Louisiana.

- Bonvillain, C. P.**, and D. A. Rutherford. 2012. Effects of environmental hypoxia on population characteristics of red swamp crayfish *Procambarus clarkii* in the Atchafalaya River Basin. 20th Annual Spring Meeting of the Southern Division of the American Fisheries Society, Biloxi, Mississippi.
- Bonvillain, C. P.**, D. A. Rutherford, C. C. Green, and W. E. Kelso. 2011. Physiological biomarkers of hypoxic stress in red swamp crayfish. 141st Annual Meeting of the American Fisheries Society, Seattle, Washington.
- Bonvillain, C. P.**, D. A. Rutherford, C. C. Green, and W. E. Kelso. 2011. Crayfish in the Atchafalaya River Basin, Louisiana – use of biomarkers as indicators of hypoxic stress and possible oil spill applications. Queensland Fisheries meeting, Brisbane, Australia.
- Bonvillain, C. P.**, C. C. Green, D. A. Rutherford, W. E. Kelso. 2011. Can hemolymph lactate, protein, and glucose concentrations serve as physiological biomarkers of chronic hypoxic stress in red swamp crayfish *Procambarus clarkii*? Aquaculture America 2011 Meeting, New Orleans, Louisiana.
- Bonvillain, C. P.**, D. A. Rutherford, C. C. Green, W. E. Kelso. 2011. Can hemolymph lactate, protein, and glucose concentrations serve as physiological biomarkers of chronic hypoxic stress in red swamp crayfish *Procambarus clarkii*? Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Lafayette, Louisiana.
- #Bonvillain, C. P.**, B. T. Halloran, K. M. Boswell, W. E. Kelso, and D. A. Rutherford. 2011. Acute physicochemical effects in the Atchafalaya River Basin associated with the passage of Hurricane Gustav. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Lafayette, Louisiana.
- #Bonvillain, C. P.**, B. T. Halloran, K. M. Boswell, W. E. Kelso, and D. A. Rutherford. 2010. Acute physicochemical effects of Hurricane Gustav in a large river-floodplain. 140th Annual Meeting of the American Fisheries Society, Pittsburgh, Pennsylvania.
- Bonvillain, C. P.**, D. A. Rutherford, W. E. Kelso, and C. C. Green. 2010. Effect of hypoxia on hemolymph lactate, protein, and glucose concentrations in wild *Procambarus clarkii* from the Atchafalaya River Basin, Louisiana. International Association of Astacology 18, Columbia, Missouri.
- #Bonvillain, C. P.**, D. A. Rutherford, W. E. Kelso, and C. C. Green. 2010. Physiological biomarkers in red swamp crayfish *Procambarus clarkii* during hypoxic stress. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, Louisiana.
- #Bonvillain, C. P.**, D. A. Rutherford, W. E. Kelso, and C. C. Green. 2009. Physiological biomarkers in red swamp crayfish *Procambarus clarkii* during hypoxic stress. 63rd Annual SEAFWA Conference, Atlanta, Georgia.

- #Bonvillain, C. P.**, B. T. Halloran, J. L. West, D. A. Rutherford, W. E. Kelso, and M. D. Kaller. 2009. Biotic and abiotic influences on crayfish populations in the Atchafalaya River Basin, Louisiana. 139th Annual Meeting of the American Fisheries Society, Nashville, Tennessee.
- West, J. L., **C. P. Bonvillain**, and W. E. Kelso. 2009. Ecosystem metabolism in coastal plain streams in southeastern Louisiana. North American Benthological Society 57th Annual Meeting, Grand Rapids, Michigan.
- #Bonvillain, C. P.**, D. A. Rutherford, W. E. Kelso, and C. C. Green. 2009. Validation and use of handheld protein and lactate tools for quantifying physiological condition in red swamp crayfish *Procambarus clarkii*. 83rd Annual Meeting of the Louisiana Academy of Sciences, Hammond, Louisiana.
- Bonvillain, C. P.**, D. A. Rutherford, M. D. Kaller, and W. E. Kelso. 2009. Biotic and abiotic influences on wild *Procambarus clarkii* populations in the Atchafalaya River basin. Spring Meeting of the Southern Division and Louisiana Chapter of the American Fisheries Society, New Orleans, Louisiana.
- Bonvillain, C. P.**, A. M. Ferrara, and Q. C. Fontenot. 2008. Relative abundance and biomass estimate of a spotted gar (*Lepisosteus oculatus*) population in a seasonally connected large river floodplain lake. 62nd Annual SEAFWA Conference, Corpus Christi, Texas.
- #Bonvillain, C. P.** and Q. Fontenot. 2008. Does naturally occurring hypoxia affect growth of young-of-the-year largemouth bass *Micropterus salmoides* in the Atchafalaya River Basin? Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Baton Rouge, Louisiana.
- Bonvillain, C. P.**, A. Ferrara, and Q. Fontenot. 2007. The use of a low-water refuge in the Atchafalaya River Basin by adult spotted gar *Lepisosteus oculatus*. 137th Annual Meeting of the American Fisheries Society, San Francisco, California.
- Fontenot, Q., C. Lyles, **C. Bonvillain**, and R. Boopathy. 2007. Evaluation of pilot scale sequencing batch reactor treatment of wastewater collected from intensive recirculating systems. Annual Meeting of the World Aquaculture Society 2007, San Antonio, Texas.
- #Bonvillain, C. P.**, A. Ferrara, and Q. Fontenot. 2007. The use of a low-water refuge in the Atchafalaya River Basin by adult spotted gar *Lepisosteus oculatus*. Annual Meeting of the Louisiana Chapter of the American Fisheries Society, Thibodaux, Louisiana.
- Wiley, M., D. Romano, J. Reulet, **C. Bonvillain**, Q. Fontenot, and A. Ferrara. 2006. Retention of coded-wire tags in the green anole *Anolis carolinensis*. Annual Meeting of the Louisiana Herpetological Research Group.

Wiley, M., D. Romano, J. Reulet, **C. Bonvillain**, Q. Fontenot, and A. Ferrara. 2006. Retention of coded-wire tags in the green anole *Anolis carolinensis*. Joint Meeting of Ichthyologists and Herpetologists, New Orleans, Louisiana.

Fontenot, Q., R. Boopathy, and **C. Bonvillain**. 2006. Evaluation of sludge carbon:nitrogen ratios on sequencing batch reactor treatment of wastewater taken from an intensive recirculating shrimp culture system. Annual Meeting of the World Aquaculture Society 2006, Florence, Italy.

#Bonvillain, C. P., Q. C. Fontenot, and A. M. Ferrara. 2006. The use of a low-water refuge in the Atchafalaya River Basin by adult spotted gar *Lepisosteus oculatus*. Nicholls State University Research Week Competition, Thibodaux, Louisiana.

#Wiley, M., D. Romero, J. Reulet, **C. Bonvillain**, Q. Fontenot, and A. Ferrara. 2006. Retention of coded-wire tags in the green anole *Anolis carolinensis*. Nicholls State University Research Week Competition, Thibodaux, Louisiana.

Bonvillain, C. P., Q. C. Fontenot, and A. M. Ferrara. 2006. The use of a low-water refuge in the Atchafalaya River Basin by adult spotted gar *Lepisosteus oculatus*. 80th Annual Meeting of the Louisiana Academy of Sciences, Lafayette, Louisiana.

Fontenot, Q. C., R. Boopathy, and **C. Bonvillain**. 2006. Evaluation of sludge carbon:nitrogen ratios on sequencing batch reactor treatment of wastewater taken from an intensive recirculating shrimp culture system. Aquaculture America 2006 Meeting, Las Vegas, Nevada.

Bonvillain, C. P., Q. C. Fontenot, and A. M. Ferrara. 2006. The use of a low-water refuge in the Atchafalaya River Basin by adult spotted gar *Lepisosteus oculatus*. Joint Meeting of the Louisiana and Mississippi Chapters of the American Fisheries Society, Natchez, Mississippi.

Fontenot, Q. C., **C. P. Bonvillain**, and R. Boopathy. 2006. Evaluation of sludge carbon:nitrogen ratios on sequencing batch reactor treatment of wastewater taken from an intensive recirculating shrimp culture system. Joint Meeting of the Louisiana and Mississippi Chapters of the American Fisheries Society, Natchez, Mississippi.

ACCOMPLISHMENTS AND AWARDS

Honorary Initiate, Alpha Lambda Delta, Nicholls State University	2017
Nicholls State University Top Ten Grantsmanship Award	2016
Clark M. Hoffpauer Outstanding Graduate Student Award, Louisiana State University School of Renewable Natural Resources	2011
Rotary District 6200 Vocational Team Training member to Queensland, Australia	2011

1 st place, poster competition, Annual Meeting of the Louisiana Chapter of the American Fisheries Society	2011
2 nd place, abstract competition, Annual Meeting of the Louisiana Chapter of the American Fisheries Society	2011
3 rd place, abstract competition, Annual Meeting of the Louisiana Chapter of the American Fisheries Society	2011
Clark M. Hoffpauer Outstanding Graduate Student Award, Louisiana State University School of Renewable Natural Resources	2010
International Association of Astacology, student travel scholarship	2010
3 rd place, poster competition, Annual Meeting of the Louisiana Chapter the American Fisheries Society	2010
Glasgow Travel Grant, LSU School of Renewable Natural Resources	2009
John F. Dequine Award for Best Paper, runner-up, Southeastern Association of Fish & Wildlife Agencies	2008
Rockefeller State Wildlife Scholarship	2007-2009
3 rd place, poster competition, Annual Meeting of the Louisiana Chapter of the American Fisheries Society	2007
2 nd place, abstract competition, Annual Meeting of the Louisiana Chapter of the American Fisheries Society	2007
1 st place, poster competition, Nicholls State University Research Week	2006
3 rd place, abstract competition, Nicholls State University Research Week	2006
R. H. "Dickie" and Charlene Barker Scholarship for Marine and Environmental Biology Excellence	2005-2006
Eagle Scout, Boy Scouts of America	1997

UNIVERSITY COMMITTEES AND POSITIONS

Graduate Program Coordinator, Biological Sciences	2017-date
Undergraduate Awards Committee	2017-date
Calypseaux Committee	2016-date
Merit Review Committee, Department of Biological Sciences	2015-date
Grievance Committee, College of Arts & Sciences	2015-2017
General Education Assessment Committee	2015-2017
Nicholls State University Research Week Committee	2014-2017

MANUSCRIPT REVIEWER

Freshwater Crayfish
Aquatic Conservation: Marine and Freshwater Ecosystems
Canadian Journal of Zoology

MEMBERSHIP AND SERVICES

Editor, <i>2018 Abstracts Book</i> , Louisiana Chapter of the American Fisheries Society annual meeting	24-25 May 2018
Judge, Region 10 Science Fair	8 Feb 2018
Editor, <i>2017 Abstracts Book</i> , Louisiana Chapter of the American Fisheries Society annual meeting	25-26 May 2017
Judge, Region 10 Science Fair	8 Feb 2017
Editor, <i>2016 Abstracts Book</i> , Louisiana Chapter of the American Fisheries Society annual meeting	2-3 Jun 2016
Editor, <i>2015 Abstracts Book</i> , Louisiana Chapter of the American Fisheries Society annual meeting	28-29 May 2015
Judge, Region 10 Science Fair	6 Feb 2015
Editor, <i>2014 Abstracts Book</i> , Louisiana Chapter of the American Fisheries Society annual meeting	29-30 May 2014
Judge, Region 10 Science Fair	26 Feb 2014
Session Moderator, Louisiana Chapter of the American Fisheries Society annual meeting	27 Jan 2011
Session Moderator, Louisiana Chapter of the American Fisheries Society annual meeting	28 Jan 2010
Session Moderator, American Fisheries Society 140 th annual meeting annual meeting	13 Sep 2010
Junior and senior division judge for Region VII and state competition for the Louisiana State Science and Engineering Fair	2010
International Association of Astacology	2009-2018
American Fisheries Society	2007-2012
Louisiana Chapter of the American Fisheries Society	2005-2018