

References

The references below have been checked for accuracy as part of the preparation of the report and all URLs contained within them were live as of July 20th, 2020. Each reference that is available online has also been added to the SJR Digital Archive (SJRDA) available at <https://sjrda.unf.edu> to ensure that the materials are permanently available. Those entries with a URL starting with <http://sjrda.unf.edu/items/view> have already disappeared from their original links and are thus only available online in the SJRDA. References where the URL starts with <http://sjrda.unf.edu/items/forward> are still available online, however due to problems with some URLs in PDF files, they do not link correctly when converted to PDF, so the forwarding function at the SJRDA site is used avoid this problem.

Abbott, G., J. H. Landsberg, A. R. Reich, K. A. Steidinger, S. Ketchen and C. Blackmore. 2009. Resource Guide for Public Health Response to Harmful Algal Blooms in Florida. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). TR-14: 132. http://research.myfwc.com/publications/publication_info.asp?id=58596 Accessed July 15, 2015.

Ackerman, B. B. 1995. Aerial Surveys of Manatees: A Summary and Progress Report. (In Population Biology of the Florida Manatee (*Trichechus manatus latirostris*)). T. J. O’Shea, B. B. Ackerman and H. F. e. Percival (Eds). Washington (DC): National Biological Service (NBS). 13-33. <https://www.fort.usgs.gov/sites/default/files/products/publications/2364/2364.pdf> Accessed July 15, 2015.

ACOE. 2020a. Harbor Map. Jacksonville (FL): US Army Corps of Engineers (ACOE). https://www.saj.usace.army.mil/Portals/44/siteimages/Congressional/Jacksonville_Harbor_Deepening_C_Map18.png?ver=2018-06-21-114055-183 Accessed May 17, 2020.

ACOE. 2020b. Jacksonville Harbor Channel Deepening Study. Jacksonville (FL): US Army Corps of Engineers (ACOE). <https://www.saj.usace.army.mil/Missions/Civil-Works/Navigation/Navigation-Projects/Jacksonville-Harbor-Channel-Deepening-Study/> Accessed May 17, 2020.

Adams, D. H. and R. H. McMichael Jr. 2001. Mercury Levels in Marine and Estuarine Fishes of Florida. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). FMRI Technical Report TR-6: 41. http://f50006a.eos-intl.net/ELIBSQL12_F50006A_Documents/Techincal_Report_TR-6_R.pdf Accessed July 15, 2015.

Adams, D. H. and R. H. McMichael Jr. 2007. Mercury in King Mackerel, *Scomberomorus cavalla*, and Spanish Mackerel, *S. maculatus*, From Waters of the South-eastern USA: Regional and Historical Trends. Marine and Freshwater Research; 58(2):187-193. 10.1071/MF06096. <http://dx.doi.org/10.1071/MF06096> Accessed July 15, 2015.

Adams, D. H., R. H. McMichael Jr and G. E. Henderson. 2003. Mercury Levels in Marine and Estuarine Fishes of Florida 1989-2001. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). FMRI Technical Report TR-9: 64. http://f50006a.eos-intl.net/ELIBSQL12_F50006A_Documents/Technical_Report_TR-9_R.pdf Accessed July 15, 2015.

Adamus, C., D. Clapp and S. Brown. 1997. Surface Water Drainage Basin Boundaries of the St. Johns River Water Management District: A Reference Guide. Palatka (FL): St. Johns River Water Management District (SJRWMD). Technical Publication SJ97-1: 117. <http://floridaswater.com/technicalreports/pdfs/TP/SJ97-1.pdf> Accessed July 15, 2015.

AEF. 2016. More About Bald Eagles. Pigeon Forge (TN): The American Eagle Foundation (AEF). <http://www.eagles.org/programs/eagle-facts/more-about-bald-eagles.php> Accessed April 1, 2016.

AEF. 2020. More About Bald Eagles. Pigeon Forge (TN): The American Eagle Foundation (AEF). <http://www.eagles.org/programs/eagle-facts/more-about-bald-eagles.php> Accessed May 10.

Ahmed, W., B. Hughes and V. Harwood. 2016. Current Status of Marker Genes of Bacteroides and Related Taxa for Identifying Sewage Pollution in Environmental Waters. Water; 8(6):231. <https://www.mdpi.com/2073-4441/8/6/231/htm> Accessed July 20, 2019.

Alexander, C. R., R. G. Smith, F. D. Calder, S. J. Schropp and H. L. Windom. 1993. The Historical Record of Metal Enrichment in Two Florida Estuaries. Estuaries and Coasts; 16(3B):627-637. 10.2307/1352800. <http://dx.doi.org/10.2307/1352800> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Alsop, D. H. and C. M. Wood. 2000. Kinetic Analysis of Zinc Accumulation in the Gills of Juvenile Rainbow Trout: Effects of Zinc Acclimation and Implications for Biotic Ligand Modeling. *Environmental Toxicology and Chemistry*; 19:1911-1918. 10.1002/etc.5620190728. <http://dx.doi.org/10.1002/etc.5620190728> Accessed July 15, 2015.
- Anderson, K., J. Whitlock and V. Harwood. 2005. Persistence and differential survival of fecal indicator bacteria in subtropical waters and sediments. *Applied and Environmental Microbiology*; 71(6):3041-3048. <http://aem.asm.org/content/71/6/3041.full> Accessed June 14, 2016.
- Anderson, W. and D. A. Goolsby. 1973. Flow and Chemical Characteristics of the St. Johns River at Jacksonville, Florida. Tallahassee (FL): U.S. Geological Survey (USGS). Information Circular 82: 66. http://www.aquaticcommons.org/1212/1/anderson_flow.pdf Accessed July 15, 2015.
- Andrade, A. L. 2011. Microplastics in the marine environment. *Mar Pollut Bull*; 62(8):1592-1605. 10.1016/j.marpolbul.2011.05.030. <https://pubmed.ncbi.nlm.nih.gov/21742351/> Accessed April 1, 2020.
- Andreen, W. and S. Jones. 2009. The Clean Water Act: A Blueprint for Reform. Center for Progressive Reform. https://cpr-assets.s3.amazonaws.com/documents/CW_Blueprint_802.pdf Accessed May 7, 2015.
- Armingeon, N. 2008. *Personal Communication* to P. Welsh.
- Ashley, K. H. 2010. Mocama Archaeology. Jacksonville (FL): University of North Florida Archaeology Laboratory. <http://www.unf.edu/~kashley/Mocama.html> Accessed July 15, 2015.
- ATSDR. 1995. Toxicological Profile for Polycyclic Aromatic Hydrocarbons. Atlanta (GA): Center for Disease Control (CDC), Agency for Toxic Substances and Disease Registry (ATSDR). TP69: 487. <http://www.atsdr.cdc.gov/toxprofiles/tp69.pdf> Accessed July 15, 2015.
- ATSDR. 1999. Toxicological Profile for Mercury. Atlanta (GA): Center for Disease Control (CDC), Agency for Toxic Substances and Disease Registry. TP46: 676. <http://www.atsdr.cdc.gov/toxprofiles/tp46.pdf> Accessed July 15, 2015.
- ATSDR. 2000. Toxicological Profile for Polychlorinated Biphenyls (PCBs). Atlanta (GA): Center for Disease Control (CDC), Agency for Toxic Substances and Disease Registry (ATSDR). TP17: 984. <http://www.atsdr.cdc.gov/ToxProfiles/tp17.pdf> Accessed July 15, 2015.
- Au, S. Y., C. M. Lee, J. E. Weinstein, P. van den Hurk and S. J. Klaine. 2017. Trophic transfer of microplastics in aquatic environments: Identifying critical research needs. *Integr Environ Assess Manag* 13(3):505-509. <https://reference.medscape.com/medline/abstract/28440939> Accessed April 1, 2020.
- Audubon. 2020. The 120th Christmas Bird Count. New York (NY): National Audubon Society. <https://www.audubon.org/conservation/science/christmas-bird-count> Accessed April 1, 2020.
- Axelrad, D. 2010. *Personal Communication* to L. Sonnenberg.
- Ayukai, T. 1987. Discriminate feeding of the calanoid copepod *Acartia clausi* in mixtures of phytoplankton and inert particles. *Mar Biol*; 94:579-587. doi.org/10.1007/BF00431404. <https://link.springer.com/article/10.1007/BF00431404> Accessed April 1, 2020.
- Bacopoulos, P., Y. Funakoshi, S. C. Hagen, A. T. Cox and V. J. Cardone. 2009. The Role of Meteorological Forcing on the St. Johns River (Northeastern Florida). *Journal of Hydrology*; 369(1-2):55-70. 10.1016/j.jhydrol.2009.02.027. <http://dx.doi.org/10.1016/j.jhydrol.2009.02.027> Accessed July 15, 2015.
- Baird, C. 1995. Title. (Eds). ISBN: 978-0716731535. New York (NY): W.H. Freeman and Company. <http://www.amazon.com/dp/0716731533> Accessed July 15, 2015.
- Barron, M. G., M. G. Carls, R. Heintz and S. D. Rice. 2004. Evaluation of Fish Early Life-stage Toxicity Models of Chronic Embryonic Exposures to Complex Polycyclic Aromatic Hydrocarbon Mixtures. *Toxicological Sciences*; 78(1):60-67. 10.1093/toxsci/kfh051. <http://dx.doi.org/10.1093/toxsci/kfh051> Accessed July 15, 2015.
- Barron, M. G., J. A. Hansen and J. Lipton. 2002. Association Between Contaminant Tissue Residues and Effects in Aquatic (In Organisms)Reviews of Environmental Contamination and Toxicology). G. W. e. Ware (Eds). ISBN: 978-0387953397. Springer-Verlag. 1-37. <http://www.springer.com/us/book/9780387953397> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Bartram, W. 1928. Title. M. Van Doren and editor (Eds). ISBN: 978-0486200132. New York (NY): Dover Publications. <http://store.doverpublications.com/0486200132.html> Accessed July 15, 2015.
- Bartram, W. 1998. Title. (Eds). ISBN: 978-0820320274. Athens (GA): University of Georgia Press. http://www.ugapress.org/index.php/books/travels_of_william_bartram/ Accessed July 15, 2015.
- Basch, M. 2020. UNF economist says it will take a year for economy to recover. Jacksonville (FL): Jacksonville Daily Record. [https://www.jaxdailyrecord.com/photo-gallery/unf-economist-says-it-will-take-a-year-for-economy-to-recover - photo-11](https://www.jaxdailyrecord.com/photo-gallery/unf-economist-says-it-will-take-a-year-for-economy-to-recover-photo-11) Accessed April 13, 2020.
- Baskaran, S., R. S. Kookana and R. Naidu. 1999. Degradation of Bifenthrin, Chlorpyrifos and Imidacloprid in Soil and Bedding Materials at Termitecidal Application Rates. *Pesticide Science*; 55(12):1222-1228. 10.1002/(SICI)1096-9063(199912)55:12<1222::AID-PS83>3.0.CO;2-7. <http://onlinelibrary.wiley.com/resolve/openurl?genre=article&title=Pesticide%20Science&date=1999&volume=55&issue=12&spage=1222> Accessed July 15, 2015.
- Batel, A., F. Linti, M. Scherer, L. Erdinger and T. Braunbeck. 2016. Transfer of Benzo[a]Pyrene from microplastics to artemia nauplii and further to zebrafish via a trophic food web experiment: cyp1a induction and visual tracking of persistent organic pollutants. *Environmental Toxicology and Chemistry*; 35:1656-1666. Accessed April 1, 2020.
- Battaglia, P., C. Peda, S. Musolino, V. Esposito, F. Andaloro and T. Romeo. 2016. Diet and first documented data on plastic ingestion of *Trachinotus ovatus* L. 1758 (Pisces: Carangidae) from the Strait of Messina (central Mediterranean Sea). *Ital J Zoo*; 83:121-129. Accessed April 1, 2020.
- Batzer, D. P. and S. A. Wissinger. 1996. Ecology of Insect Communities in Nontidal Wetlands. *Annual Review of Entomology*; 41(1):75-100. 10.1146/annurev.en.41.010196.000451. <http://dx.doi.org/10.1146/annurev.en.41.010196.000451> Accessed July 15, 2015.
- Baussant, T., S. Sanni, G. Jonsson, A. Skadsheim and J. F. Børseth. 2001a. Bioaccumulation of Polycyclic Aromatic Compounds: 1. Bioconcentration in Two Marine Species and in Semipermeable Membrane Devices During Chronic Exposure to Dispersed Crude Oil. *Environmental Toxicology and Chemistry*; 20(6):1175-1184. 10.1002/etc.5620200606. <http://dx.doi.org/10.1002/etc.5620200606> Accessed July 15, 2015.
- Baussant, T., S. Sanni, A. Skadsheim, G. Jonsson, J. F. Børseth and B. Gaudebert. 2001b. Bioaccumulation of Polycyclic Aromatic Compounds: 2. Modeling Bioaccumulation in Marine Organisms Chronically Exposed to Dispersed Oil. *Environmental Toxicology and Chemistry*; 20(6):1185-1195. 10.1002/etc.5620200607. <http://dx.doi.org/10.1002/etc.5620200607> Accessed July 15, 2015.
- Bear-Hull, D. 2020. *Personal Communication* to G. Pinto.
- Beck, C. A. 2018. *Personal Communication* to G. Pinto.
- Beck, C. A. and J. P. Reid. 1998. An Automated Photo-Identification Catalog for Studies of the Life History of the Florida Manatee. (In Population Biology of the Florida Manatee (*Trichechus manatus latirostris*)). T. J. O’Shea, B. B. Ackerman and H. F. e. Percival (Eds). Washington (DC): National Biological Service (NBS). 120-134. http://gcmd.nasa.gov/records/GCMD_usgsbrdfcsirenia.html Accessed July 15, 2015.
- Beer, S., A. Garm, B. Huwer, J. Dierking and T. G. Nielsen. 2018. No increase in marine microplastic concentration over the last three decades—A case study from the Baltic Sea. *Sci Total Environ*; 621(1272). https://backend.orbit.dtu.dk/ws/files/138579321/Publishers_version.pdf Accessed April 1, 2020.
- Belleville, B. 2020. Title. (Eds). 0-8203-2156-7. Athens (GA): University of Georgia Press. Accessed July 20, 2020.
- Bengtson, J. L. 1981. Ecology of Manatees (*Trichechus manatus*) in the St. Johns River, Florida. Ph.D.; University of Minnesota. http://prime2.oit.umn.edu/primo_library/libweb/action/dlDisplay.do?vid=TWINCITIES&docId=UMN_ALMA21376681770001701 Accessed July 15, 2015.
- Benke, A. C. and C. E. Cushing. 2005. Title. (Eds). ISBN: 978-0080454184. Burlington (MA): Elsevier/Academic Press. <http://store.elsevier.com/product.jsp?isbn=9780080454184> Accessed July 15, 2015.
- Bergeron, J. M., D. Crews and J. A. McLachlan. 1994. PCBs as Environmental Estrogens: Turtle Sex Determination as a Biomarker of Environmental Contamination. *Environmental Health Perspectives*; 102(9). <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1567153/> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Bergman, M. J. 1992. Volume 2 of the Lower St. Johns River Basin Reconnaissance: Surface Water Hydrology. Palatka (FL): St. Johns River Water Management District (SJRWMD). Technical Publication SJ92-1: 145. <http://floridaswater.com/technicalreports/pdfs/TP/SJ92-1.pdf> Accessed July 15, 2015.
- Bernardes, S., J. He, S. T. Bacchus, M. Madden and T. Jordan. 2014. Mitigation Banks and Other Conservation Lands at Risk from Preferential Groundwater Flow and Hydroperiod Alterations by Existing and Proposed Northeast Florida Mines. Journal of Sustainable Development; 7(4):225-261. 10.5539/jsd.v7n4p225. <http://dx.doi.org/10.5539/jsd.v7n4p225> Accessed July 15, 2015.
- Besseling, E., A. Wegner, E. Foekema, M. J. van den Heuvel-Greve and A. A. Koelmans. 2013. Effects of microplastic on fitness and PCB bioaccumulation by the lugworm *Arenicola marina*. Environmental Science and Technology; 47:593-600. <https://www.wur.nl/en/Publication-details.htm?publicationId=publication-way-343332343532> Accessed April 1, 2020.
- Best, R. C. 1981. Food and Feeding Habits of Wild and Captive Sirenia. Mammal Review; 11(1):3-29. 10.1111/j.1365-2907.1981.tb00243.x. <http://dx.doi.org/10.1111/j.1365-2907.1981.tb00243.x> Accessed July 15, 2015.
- Bielmyer, G. K., K. V. Brix, T. R. Capo and M. Grosell. 2005a. The Effects of Metals on Embryo-larval and Adult Life Stages of the Sea Urchin, *Diadema antillarum*. Aquatic Toxicology; 74(3):254-268. 10.1016/j.aquatox.2005.05.016. <http://dx.doi.org/10.1016/j.aquatox.2005.05.016> Accessed July 15, 2015.
- Bielmyer, G. K., J. B. Bullington, C. A. DeCarlo, S. J. Chalk and K. Smith. 2012a. The Effects of Salinity on Acute Toxicity of Zinc to Two Euryhaline Species of Fish, *Fundulus heteroclitus* and *Kryptolebias marmoratus*. Integrative and Comparative Biology; 52(6):753-760. 10.1093/icb/ics045. <http://dx.doi.org/10.1093/icb/ics045> Accessed July 15, 2015.
- Bielmyer, G. K., C. A. DeCarlo, C. Morris and T. Carrigan. 2013. The Influence of Salinity on Acute Nickel Toxicity to the Two Euryhaline Fish Species, *Fundulus heteroclitus* and *Kryptolebias marmoratus*. Environmental Toxicology and Chemistry; 32(6):1354-1359. 10.1002/etc.2185. <http://dx.doi.org/10.1002/etc.2185> Accessed July 15, 2015.
- Bielmyer, G. K., D. Gatlin, J. J. Isely, J. R. Tomasso and S. J. Klaine. 2005b. Responses of Hybrid Striped Bass to Waterborne and Dietary Copper in Freshwater and Saltwater. Comparative Biochemistry and Physiology - Part C: Toxicology & Pharmacology; 140(1):131-137. 10.1016/j.cca.2005.01.014. <http://dx.doi.org/10.1016/j.cca.2005.01.014> Accessed July 15, 2015.
- Bielmyer, G. K. and M. Grosell. 2011. Emerging Issues in Marine Metal Toxicity. (In Surface Chemistry, Bioavailability and Metal Homeostasis in Aquatic Organisms: An Integrated Approach). N. Bury and R. e. Handy (Eds). ISBN: 978-1907491023. London (England): Kings College. 129-158. http://www.sebiology.org/publications/Book_Series.html Accessed July 15, 2015.
- Bielmyer, G. K., M. Grosell and K. Brix. 2006a. Toxicity of Silver, Zinc, Copper, and Nickel to the Copepod *acartia tonsa* Exposed via a Phytoplankton Diet. Environmental Science and Technology; 40(6):2063-2068. 10.1021/es051589a. <http://dx.doi.org/10.1021/es051589a> Accessed July 15, 2015.
- Bielmyer, G. K., M. Grosell, P. R. Paquin, R. Mathews, K. B. Wu, R. C. Santore and K. V. Brix. 2007. Validation Study of the Acute Biotic Ligand Model for Silver. Environmental Toxicology and Chemistry; 26(10):2241-2246. 10.1897/06-634R.1. <http://dx.doi.org/10.1897/06-634R.1> Accessed July 15, 2015.
- Bielmyer, G. K., T. A. Jarvis, B. T. Harper, B. Butler, L. Rice, S. Ryan and P. McLoughlin. 2012b. Metal Accumulation From Dietary Exposure in the Sea Urchin, *Strongylocentrotus droebachiensis*. Archives of Environmental Contamination and Toxicology; 63(1):86-94. 10.1007/s00244-012-9755-6. <http://dx.doi.org/10.1007/s00244-012-9755-6> Accessed July 15, 2015.
- Bielmyer, G. K., J. R. Tomasso and S. J. Klaine. 2006b. Physiological Responses of Hybrid Striped Bass to Aqueous Copper in Freshwater and Saltwater. Archives of Environmental Contamination and Toxicology; 50(4):531-538. 10.1007/s00244-005-0131-7. <http://dx.doi.org/10.1007/s00244-005-0131-7> Accessed July 15, 2015.
- Bielmyer-Fraser, G. K., B. Harper, C. Picariello and A. Albritton-Ford. 2018. The influence of salinity and water chemistry on acute toxicity of cadmium to two euryhaline fish species. Comparative Biochemistry and Physiology - Part C: Toxicology & Pharmacology; 214:23-27. 10.1016/j.cbpc.2018.08.005. Accessed June 20, 2020.
- Bielmyer-Fraser, G. K., M. N. Waters, C. G. Duckworth, P. Patel, B. Webster, A. Blocker, C. H. Crummey, A. Duncan, S. Nwokike, C. Picariello, J. T. Ragan, E. L. Schumacher, R. Tucker, E. Tuttle and C. Wiggins. 2017. Assessment of metal contamination in the biota of four rivers experiencing varying degrees of human Impact. Environmental Monitoring and Assessment; 189:23. DOI:10.1007/s10661-016-5738-9. <https://link.springer.com/article/10.1007/s10661-016-5738-9> Accessed March 10, 2017.

LOWER SJR REPORT 2020 – REFERENCES

Blake, N. M. 1980. Title. (Eds). ISBN: 978-0813006420. Tallahassee (FL): University Press of Florida. <http://florida.theorangegrove.org/og/items/626e4cf0-0156-898a-745c-76b32eeab65e/1/> Accessed July 15, 2015.

Boothman, W. S., D. J. Hansen, W. J. Berry, D. L. Robson, A. Helmstetter, J. M. Corbin and S. D. Pratt. 2001. Biological Response to Variation of Acid-Volatile Sulfides and Metals in Field-exposed Spiked Sediments. Environmental Toxicology and Chemistry; 20(2):264-272. 10.1002/etc.5620200206. <http://dx.doi.org/10.1002/etc.5620200206> Accessed July 15, 2015.

Borgert, C. J., T. S. Gross, P. D. Guiney, T. G. Osimitz, B. Price and C. Wells. 2004. Interactive Effects of p,p'-Dichlorodiphenylchloroethylene and Methoxychlor on Hormone Synthesis in Largemouth Bass Ovarian Cultures. Environmental Toxicology and Chemistry; 23(8):1947-1956. 10.1897/03-424. <http://dx.doi.org/10.1897/03-424> Accessed July 15, 2015.

Borkowski, R. and J. H. Landsberg. 2012. Bottlenose Dolphins of the St. Johns River, FL: Stranding Data, Freshwater Overexposure Cases, Unusual Mortality Event 2010. Conference Proceedings of the International Association for Aquatic Animal Medicine, Atlanta (GA); <http://www.vin.com/apputil/content/defaultadv1.aspx?pId=11354&meta=Generic&catId=34820&id=5377966> Accessed May 2, 2017.

Boström, B., J. M. Anderson, S. Fleischer and M. Jansson. 1988. Exchange of Phosphorus Across the Sediment-water Interface. Hydrobiologia; 170(1):229-244. 10.1007/BF00024907. <http://dx.doi.org/10.1007/BF00024907> Accessed July 15, 2015.

Boström, B., M. Jansson and C. Forsberg. 1982. Phosphorus Release from Lake Sediments. (In Nutrient Remobilization from Sediments and its Limnological Effects). H. e. Bernhardt (Eds). ISBN: 978-3510470167. Stuttgart (Germany): E. Schweizerbart'sche Verlagsbuchhandlung. 5-59. <http://www.schweizerbart.de/publications/detail/isbn/3510470168> Accessed July 15, 2015.

Boudreaux, M. L. and L. J. Walters. 2006. *Mytella Charruana* (Bivalvia: Mytilidae): A New, Invasive Bivalve in Mosquito Lagoon, Florida. The Nautilus; 120(1):34-36. http://www.shellmuseum.org/nautilus/nautilus_contents_120.html Accessed July 15, 2015.

Boustany, R. G., T. C. Michot and R. F. Moss. 2003. Environmental Factors Affecting the Distribution and Health of Submersed Aquatic Plants in the Lower St. Johns River: Phase V - Final Report: Effect of Nutrients and Salinity Pulse on Biomass and Growth on *Vallisneria americana* in Lower St. Johns River, FL, USA. Palatka (FL): St. Johns River Water Management District (SJRWMD). NA. Accessed NA.

Bradbury, S. P. and J. R. Coats. 1989. Toxicokinetics and Toxicodynamics of Pyrethroids Insecticides in Fish. Environmental Toxicology and Chemistry; 8(5):10.1002/etc.5620080503. <http://dx.doi.org/10.1002/etc.5620080503> Accessed July 15, 2015.

Brand, L., J. Pablo, A. Compton, N. Hammerschlag and D. Mash. 2010. Cyanobacterial blooms and the occurrence of the neurotoxin, beta-N-methylamino-l-alanine (BMAA), in South Florida aquatic food webs. Harmful Algae; 9(6):620-635. <https://www.sciencedirect.com/science/article/pii/S1568988310000624> Accessed July 20, 2019.

Brenner, M., C. L. Schelske and L. W. Keenan. 2001. Historical Rates of Sediment and Nutrient Accumulation in Marshes of the Upper St. Johns River Basin, Florida, USA. Journal of Paleolimnology; 26(3):241-257. 10.1023/A:1017578330641. <http://dx.doi.org/10.1023/A:1017578330641> Accessed July 15, 2015.

Brodie, R. 2008. Personal Communication to H. McCarthy.

Brodie, R. 2009. Personal Communication to D. McCarthy.

Brodie, R. 2016. Personal Communication to G. Pinto.

Brody, R. W. 1994. Volume 6 of the Lower St. Johns River Basin Reconnaissance: Biological Resources. Palatka (FL): St. Johns River Water Management District (SJRWMD). Technical Publication SJ94-2: 113. <http://floridaswater.com/technicalreports/pdfs/TP/SJ94-2.pdf> Accessed July 15, 2015.

Brody, S. D., S. Zahran, W. E. Highfield, H. Grover and A. Vedlitz. 2008. Identifying the Impact of the Built Environment on Flood Damage in Texas. Disaster; 32(1):1-18. 10.1111/j.1467-7717.2007.01024.x. <http://dx.doi.org/10.1111/j.1467-7717.2007.01024.x> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Brody, S. D., S. Zahran, P. Maghela, H. Grover and W. E. Highfield. 2007. The Rising Costs of Floods: Examining the Impact of Planning and Development Decisions on Property Damage in Florida. *Journal of the American Planning Association*; 73(3):330-345. 10.1080/01944360708977981. <http://dx.doi.org/10.1080/01944360708977981> Accessed July 15, 2015.
- Broman, D., C. Näuf, I. Lundbergh and Y. Zebühr. 1990. An In Situ Study on the Distribution, Biotransformation and Flux of Polycyclic Aromatic Hydrocarbons (PAHs) in an Aquatic Food Chain (*Seston-Mytilus edulis L.-Somateria mollissima L.*) from the Baltic: An Ecotoxicological Perspective. *Environmental Toxicology and Chemistry*; 9(4):10.1002/etc.5620090404. <http://dx.doi.org/10.1002/etc.5620090404> Accessed July 15, 2015.
- Brooks, B. 2019. *Personal Communication* to G. Pinto.
- Brooks, W. B. and T. F. Dean. 2008. Measuring the Breeding Status of the Southeast U.S. Population of Wood Storks. *Waterbirds*; 31(SP1):50-59. 10.1675/1524-4695(2008)31[50:MTBSOT]2.0.CO;2. <https://sjrda.unf.edu/items/forward/sjrda:65> Accessed July 15, 2015.
- Brown, A., A. Foss, M. Miller and Q. Gibson. 2018. Detection of cyanotoxins (microcystins/nodularins) in livers from estuarine and coastal bottlenose dolphins (*Tursiops truncatus*) from Northeast Florida. *Harmful Algae*; 76(2018):22-34. <https://www.sciencedirect.com/science/article/pii/S1568988318300611?via%3Dhub> Accessed July 20, 2019.
- Brown, A. and P. Shi. 2014. Valuing the Economic Benefits of Florida's Conservation Lands. Durham (NC): Duke University, Nicholas School of the Environment. 40. <http://hdl.handle.net/10161/8571> Accessed July 15, 2015.
- Browne, M. A. 2015. What comes out in the wash. New York (NY): New York Times. Accessed April 1, 2020.
- Browne, M. A., P. Curmp, S. J. Niven, E. Teuten, A. Tonkin, T. Galloway and R. Thompson. 2011. Accumulation of microplastic on shorelines worldwide: Sources and sinks. *Environmental Science and Technology*; 45(9175-9179. Accessed April 1, 2020.
- Browne, M. A., A. Dissanayake, T. S. Galloway, D. M. Lowe and R. C. Thompson. 2008. Ingested microscopic plastic translocates to the circulatory system of the mussel, *Mytilus edulis* (L.). *Environmental Science and Technology*; 42(5026-5031. Accessed April 1, 2020.
- Browne, M. A., T. S. Galloway and R. C. Thompson. 2007. Microplastic—An emerging contaminant of potential concern? . *Integr Environ Assess Manag*; 3(559-561. Accessed April 1, 2020.
- Bruland, K. W. 1980. Oceanographic Distributions of Cadmium, Zinc, Nickel and Copper in the North Pacific. *Earth and Planetary Science Letters*; 47:2. 10.1016/0012-821X(80)90035-7. <http://www.sciencedirect.com/science/article/pii/0012821X80900357> Accessed July 15, 2015.
- Bruland, K. W. 1983. Trace Elements in Seawater. (In *Chemical Oceanography*). J. P. Riley and R. e. Chester (Eds). ISBN: 978-0125886086. New York (NY): Academic Press. 157-220. <http://www.amazon.com/dp/012588608X> Accessed July 15, 2015.
- Bryan, G. W. 1976. Some Aspects of Heavy Metal Tolerance in Aquatic Organisms. (In *Effects of Pollutants on Aquatic Organisms*). A. P. M. e. Lockwood (Eds). ISBN: 0521211034. Cambridge (England): University Press. 7-34. <http://www.amazon.com/dp/0521211034> Accessed July 15, 2015.
- Bryan, G. W. and L. G. Hummerstone. 1971. Adaptations of the Polychaete *Nereis diversicolor* to Estuarine Sediments Containing High Concentrations of Heavy Metals. I. General Observations and Adaptations to Copper. *Journal of the Marine Biological Association U.K.*; 51:4. 10.1017/S0025315400018014. <http://dx.doi.org/10.1017/S0025315400018014> Accessed July 15, 2015.
- Bullivant, J. S. 1968. The Rate of Feeding of the Bryozoan, *Zoobotryon verticillatum*. *New Zealand Journal of Marine and Freshwater Research*; 2(1):111-134. 10.1080/00288330.1968.9515230. <http://dx.doi.org/10.1080/00288330.1968.9515230> Accessed July 15, 2015.
- Burger, J., J. A. Rodgers Jr. and M. Gochfeld. 1993. Heavy Metal and Selenium Levels in Endangered Wood Storks from Nesting Colonies in Florida and Costa Rica. *Archives of Environmental Contamination and Toxicology*; 24(4):417-420. 10.1007/BF01146155. <http://dx.doi.org/10.1007/BF01146155> Accessed July 15, 2015.
- Burns, E. E. and A. B. A. Boxall. 2018. Microplastics in the aquatic environment: evidence for or against adverse impacts and major knowledge gaps. *Environmental Toxicology and Chemistry*; 37(11):2776-2796. 10.1002/etc.4268. <https://pubmed.ncbi.nlm.nih.gov/30328173/> Accessed April 1, 2020.

LOWER SJR REPORT 2020 – REFERENCES

- Burns Jr, J. W. 2008. Chapter 5. Toxic Cyanobacteria in Florida Waters. (In Cyanobacterial Harmful Algal Blooms: State of the Science and Research Needs). H. K. e. Hudnall (Eds). ISBN: 978-0387758640. New York (NY): Springer-Verlag. 127-137. http://dx.doi.org/10.1007/978-0-387-75865-7_5 Accessed July 15, 2015.
- Burns Jr, J. W., A. D. Chapman, E. Messer and J. Konwinski. 1997. Submerged Aquatic Vegetation of the Lower St. Johns River. Palatka (FL): St. Johns River Water Management District (SJRWMD). 225. <https://sjrda.unf.edu/items/view/sjrda:77> Accessed July 15, 2015.
- Bury, N. R., P. A. Walker and C. N. Glover. 2003. Nutritive Metal Uptake in Teleost Fish. Journal of Experimental Biology; 206:1. 10.1242/jeb.00068. <http://dx.doi.org/10.1242/jeb.00068> Accessed July 15, 2015.
- Cailleaud, K., H. Budzinski, K. Le Menach, S. Souissi and J. Forget-Leray. 2009. Uptake and Elimination of Hydrophobic Organic Contaminants in Estuarine Copepods: An Experimental Study. Environmental Toxicology and Chemistry; 28:2. 10.1897/07-664.1. <http://dx.doi.org/10.1897/07-664.1> Accessed July 15, 2015.
- Campbell, D. 2009. *Personal Communication* to H. McCarthy.
- Campbell, P. G. C. 1995. Interactions Between Trace Metals and Aquatic Organisms: A Critique of the Free-ion Activity Model. (In Metal Speciation and Bioavailability in Aquatic Systems). A. Tessier and D. R. e. Turner (Eds). ISBN: 978-0471958307. New York (NY): Wiley Interscience. 45-102. <http://www.wiley.com/WileyCDA/WileyTitle/productCd-0471958301.html> Accessed July 15, 2015.
- Campbell, P. G. C., P. R. Paquin, W. J. Adams, K. V. Brix, D. R. Juberg, R. C. Playle, C. J. Ruffing and R. S. Wentsel. 2000. Risk Assessment. (In Silver in the Environment: Transport, Fate, and Effects). A. W. Andren and T. W. e. Bober (Eds). ISBN: 978-1880611449. Pensacola (FL): Society of Environmental Toxicology and Chemistry (SETAC). 97-134. <https://www.setac.org/store/ViewProduct.aspx?id=1037388> Accessed July 15, 2015.
- Carls, M. G., J. W. Short and J. Payne. 2006. Accumulation of Polycyclic Aromatic Hydrocarbons by Neocalanus copepods in Port Valdez, Alaska. Marine Pollution Bulletin; 52:11. 10.1016/j.marpolbul.2006.05.008. <http://dx.doi.org/10.1016/j.marpolbul.2006.05.008> Accessed July 15, 2015.
- Carlton, J. T. 1987. Patterns of Transoceanic Marine Biological Invasions in the Pacific Ocean. Bulletin of Marine Science; 41(2):452-465. <http://openurl.ingenta.com/content?genre=article&issn=0007-4977&volume=41&issue=2&spage=452&epage=465> Accessed July 15, 2015.
- Carlton, J. T. 1992. Introduced Marine and Estuarine Mollusks of North America: An End-of-the-20th-Century Perspective. Journal of Shellfish Research; 11(2):489-505. <http://www.biodiversitylibrary.org/page/15141774> Accessed July 15, 2015.
- Carlton, J. T. 2012. *Personal Communication* to H. Lee and H. McCarthy.
- Carlton, J. T. and J. B. Geller. 1993. Ecological Roulette: The Global Transport of Nonindigenous Marine Organisms. Science; 261(5117):78-82. 10.1126/science.261.5117.78. <http://dx.doi.org/10.1126/science.261.5117.78> Accessed July 15, 2015.
- Carpenter, E. J. and K. L. Smith. 1972. Plastics on the Sargasso Sea surface. Science; 175(4027):1240-1241. <https://pubmed.ncbi.nlm.nih.gov/5061243/> Accessed April 1, 2020.
- Carr, S. A., J. Liu and A. G. Tesoro. 2016. Transport and fate of microplastic particles in wastewater treatment plants. Water Research; 91:174-182. Accessed April 1, 2020.
- Cassels, L. 2020. DeSantis Signs Water-Quality Bill Touted as Historic, Yet Also Condemned as Polluter-friendly. Tallahassee (FL): Florida Phoenix.: Tallahassee (FL): Florida Phoenix. https://twitter.com/FLPhoenixNews?ref_src=twsrc%5Etfw%7Ctwcamp%5Eembeddedtimeline%7Ctwterm%5Elist%3AFLPhoenixNews%3Aflorida_phoenix1&ref_url=https%3A%2F%2Fwww.floridaphoenix.com%2F2020%2F06%2F30%2Fdesantis-signs-water-quality-bill-touted-as-historic-yet-also-condemned-as-polluter-friendly%2F/ Accessed July 19
- CBSMiami. 2016. Former Governor Calls on Scott to Stop Water Bill. Miami (FL): CBS Miami. <http://miami.cbslocal.com/2016/01/20/former-governor-calls-on-scott-to-stop-water-bill/> Accessed April 5, 2016
- CEQ. 2008. Conserving America's Wetlands 2008: Four Years of Partnering Resulted in Accomplishing the President's Goal. Washington (DC): The White House Council on Environmental Quality. <http://georgewbush-whitehouse.archives.gov/ceq/wetlands/2008/index.html> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- CFWI. 2015. Central Florida Water Initiative. Orlando (FL): Central Florida Water Initiative (CFWI). <http://cfwiwater.com/> Accessed July 15, 2015.
- CFWI. 2020. What is CFWI? Orlando (FL): Central Florida Water Initiative (CFWI). https://cfwiwater.com/what_is_CFWI.html/ Accessed July 17, 2020.
- Chadwick, M. A., J. E. Thiele, A. D. Huryn, B. A. C. and D. R. Dobberfuhl. 2012. Effects of Urbanization on Macroinvertebrates in Tributaries of the St. Johns River, Florida, USA. *Urban Ecosystems*; 15(2):347-365. 10.1007/s11252-011-0217-0. <http://dx.doi.org/10.1007/s11252-011-0217-0> Accessed July 15, 2015.
- Chapman, A. D. and C. L. Schelske. 1997. Recent Appearance of *Cylindrospermopsis* (Cyanobacteria) in Five Hypereutrophic Florida Lakes. *Journal of Phycology*; 33(2):191-195. 10.1111/j.0022-3646.1997.00191.x. <http://dx.doi.org/10.1111/j.0022-3646.1997.00191.x> Accessed July 15, 2015.
- Chary, N. S., C. T. Kamala and D. S. S. Raj. 2008. Assessing risk of heavy metals from consuming food grown on sewage irrigated soils and food chain transfer. *Ecotoxicol. Environ. Saf.*; 69:513-524. Accessed June 30, 2020.
- Chen, J., L. Theller, M. W. Gitau, B. A. Engel and J. M. Harbor. 2017. Urbanization Impacts On Surface Runoff Of The Contiguous United States. *Journal of Environmental Management*; 187:470-481. <http://www.sciencedirect.com/science/article/pii/S0301479716308933> Accessed March 17, 2017.
- Chorus, I. and J. e. Bartram (Eds). 1999. Toxic Cyanobacteria in Water. A Guide to their Public Health Consequences, Monitoring and Management. Bury St Edmunds, Suffolk, England: World Health Organization. http://www.who.int/water_sanitation_health/resourcesquality/toxycyanbact/en/ Accessed July 15, 2015.
- CISEH. 2014. Early Detection & Distribution Mapping System (EDDMapS). Tifton, GA: University of Georgia (UGA), Center for Invasive Species and Ecosystem Health (CISEH). <http://www.eddmaps.org/> Accessed July 15, 2015.
- CISEH. 2015. Early Detection & Distribution Mapping system (EDDMapS). Tifton, GA: University of Georgia (UGA), Center for Invasive Species and Ecosystem Health (CISEH). <http://www.eddmaps.org/> Accessed December 20, 2015.
- CISEH. 2016. Early Detection & Distribution Mapping System (EDDMapS). Tifton, GA: University of Georgia (UGA), Center for Invasive Species and Ecosystem Health (CISEH). <http://www.eddmaps.org/> Accessed March 17, 2017.
- Clesceri, L. S. 1989. Title. (Eds). ISBN: 978-0875531618. Baltimore (MD): American Public Health Association (APHA). <http://www.standardmethods.org/> Accessed July 15, 2015.
- ClimateCentral. 2019. Surging Seas Risk Finder Jacksonville (FL): Risk Finder. <https://riskfinder.climatecentral.org/place/jacksonville.fl.us?comparisonType=city-council-district&forecastType=NOAA2017 int p50&level=4&unit=ft> Accessed April 1, 2020.
- Cohen, M. J., S. Carstenn and C. R. Lane. 2004. Floristic Quality Indices for Biotic Assessments of Depressional Marsh Condition in Florida. *Ecological Applications*; 14(3):784-794. 10.1890/02-5378. <http://dx.doi.org/10.1890/02-5378> Accessed July 15, 2015.
- COJ. 2010. Environmental Compliance Department Mosquito Control FAQ. Jacksonville (FL): City of Jacksonville (COJ), Environmental and Compliance Department. <http://www.coj.net/departments/regulatory-compliance/mosquito-control/frequently-asked-questions.aspx> Accessed July 1, 2008
- COJ. 2017. Assessment Plan Part V. B. Jacksonville (FL): City of Jacksonville (COJ), Environmental and Compliance Department. Accessed April 1, 2018.
- COJ. 2018. City of Jacksonville Bill Information. City of Jacksonville (COJ) <http://cityclts.coj.net/coj/COJBillList.asp?Bill=2015-0105> Accessed July 11, 2018.
- COJ. 2019a. City of Jacksonville Storm Resiliency and Infrastructure Development Review Committee. Jacksonville (FL): City of Jacksonville (COJ). <https://www.coj.net/sraidrc/docs/resiliency-presentation-6-19-19.aspx> Accessed April 13, 2020.
- COJ. 2019b. St. Johns River Quality, Algae Status and Action Plan by the Jacksonville Waterways Commission St. Johns River Algae Task Force Jacksonville (FL): City of Jacksonville (COJ). http://apps2.coj.net/City_Council_Public_Notices_Repository/20190410_Algae_Task_Force_Report - Final.pdf Accessed July 22, 2019.

LOWER SJR REPORT 2020 – REFERENCES

COJ. 2019c. Storm Resiliency & Infrastructure Development Review Committee. Jacksonville (FL): City of Jacksonville (COJ) <https://www.coj.net/departments/planning-and-development/adaptation-action-area> Accessed April 1, 2020.

COJ. 2020a. City Council District Maps. Jacksonville (FL): City of Jacksonville (COJ). <https://www.coj.net/city-council/council-district-maps.aspx> Accessed May 22, 2020.

COJ. 2020b. City of Jacksonville Manatee Protection Plan. Jacksonville (FL): City of Jacksonville (COJ), Environmental and Compliance Department. <http://www.coj.net/departments/planning-and-development/community-planning-division/plans-and-studies/manatee-protection-plan> Accessed May 8, 2020.

COJ. 2020c. Development Services. Jacksonville (FL): City of Jacksonville (COJ). <https://www.coj.net/departments/planning-and-development/development-services-division/floodplain-management.aspx> Accessed July 16, 2020.

Collins, A. G. 1995. Introduction to Phoronida. Berkeley, CA: University of California Museum of Paleontology. <http://www.ucmp.berkeley.edu;brachiopoda/phoronida.html> Accessed July 15, 2015.

Collins, A. G. 1999. Introduction to the Bryozoa: Moss Animals. Berkeley, CA: University of California Museum of Paleontology. <http://www.ucmp.berkeley.edu/bryozoa/bryozoa.html> Accessed July 15, 2015.

Collins, A. G. 2000. Introduction to the Sipuncula: The Peanut Worms. Berkeley, CA: University of California Museum of Paleontology. <http://www.ucmp.berkeley.edu/sipuncula/sipuncula.html> Accessed July 15, 2015.

Collins, A. G. 2001. Introduction to the Nemertini: Tied Up in Knots.... Berkeley, CA: University of California Museum of Paleontology. <http://www.ucmp.berkeley.edu/nemertini/nemertini.html> Accessed July 15, 2015.

Congress. 1972. Marine Mammal Protection Act of 1972 (16 U.S.C. § 1531 et seq.). Washington (DC): 92nd Congress. <http://www.nmfs.noaa.gov/pr/pdfs/laws/mmpa.pdf> Accessed July 15, 2015.

Congress. 1973. Endangered Species Act of 1973 (16 U.S.C. § 1361 et seq.). Washington (DC): 93rd Congress. <http://www.nmfs.noaa.gov/pr/pdfs/laws/esa.pdf> Accessed July 15, 2015.

Connors, K. A., S. D. Dyer and S. E. Belanger. 2017. Advancing the quality of environmental microplastic research. Environmental Toxicology and Chemistry; 36:1697-1703. Accessed April 1, 2020.

Cooksey, C. and J. L. Hyland. 2007a. Sediment Quality of the Lower St. Johns River, FL: An Integrative Assessment of Benthic Fauna, Sediment-Associated Stressors, and General Habitat Characteristics. Marine Pollution Bulletin; 54:1. 10.1016/j.marpolbul.2006.09.007. <http://dx.doi.org/10.1016/j.marpolbul.2006.09.007> Accessed July 15, 2015.

Cooksey, C. and J. L. Hyland. 2007b. Sediment Quality of the Lower St. Johns River, FL: An Integrative Assessment of Benthic Fauna, Sediment-Associated Stressors, and General Habitat Characteristics. Marine Pollution Bulletin; 54(1):9-21. 10.1016/j.marpolbul.2006.09.007. <http://dx.doi.org/10.1016/j.marpolbul.2006.09.007> Accessed July 15, 2015.

Cooper, D. A. and P. L. Corcoran. 2010. Effects of mechanical and chemical processes on the degradation of plastic beach debris on the island of Kauai, Hawaii. Mar Pollut Bull; 60:650-654. Accessed April 1, 2020.

Cooper, K. and E. N. Vanderhoff. 2015. Survey of Brown Pelicans (*Pelecanus occidentalis*) in Jacksonville, Florida. Florida Field Naturalist; 43(2):69-78. <http://www.fosbirds.org/sites/default/files/FFNs/FFNv43n2p69-78.pdf> Accessed March 14, 2016.

Cordova, E. 2016. *Personal Communication* to R. Pyati.

Courtene-Jones, W., B. Quinn, S. F. Gary, A. O. M. Mogg and B. E. Narayanaswamy. 2017. Microplastic pollution identified in deep-sea water and ingested by benthic invertebrates in the Rockall Trough, north Atlantic Ocean. Environmental Pollution; 23:271-280. Accessed April 1, 2020.

Cox, P., S. Banack, S. Murch, U. Rasmussen, G. Tien, R. Bidigare, J. Metcalf, L. Morrison, G. Codd and B. Bergman. 2005. Diverse taxa of cyanobacteria produce β -N-methylamino-l-alanine, a neurotoxic amino acid. PNSA; 102(14):5047-5078. <https://www.pnas.org/content/102/14/5074> Accessed July 20, 2019.

Craft, C., J. Ehman and S. Perry. 2015. Chapter 3. Removal of Phosphorous and Nitrogen by Wetlands along the St. Johns River: An Economic Perspective. (In St. Johns River Economic Study). C. T. Hackney (Eds). Jacksonville (FL): University of

LOWER SJR REPORT 2020 – REFERENCES

North	Florida	(UNF),	Coastal	Biology	Program.	145-167.
					http://floridaswater.com/stjohnsriver/pdfs/St. Johns River Economic Study.pdf	Accessed July 15, 2015.

Crain, D. A., L. J. Guillette Jr., D. B. Pickford, H. F. Percival and A. R. Woodward. 1998. Sex-Steroid and Thyroid Hormone Concentrations in Juvenile Alligators (*Alligator mississippiensis*) from Contaminated and Reference Lakes in Florida. *Environmental Toxicology and Chemistry*; 17:3. 10.1002/etc.5620170315. <http://dx.doi.org/10.1002/etc.5620170315> Accessed July 15, 2015.

Crooks, J. B. 2004. Title. (Eds). ISBN: 978-0813027081. Gainesville (FL): University Press of Florida. <http://www.upf.com/book.asp?id=CROOKS04> Accessed July 15, 2015.

CSA. 1988. A Final Report for St. Johns River Ichthyofaunal Survey. Jupiter (FL): Continental Shelf Associates (CSA). <https://sjrda.unf.edu/items/view/sjrda:101> Accessed July 15, 2015.

Curry, C. 2016. Environmental groups want water-bill veto. Gainesville (FL): The Gainesville Sun. <http://www.gainesville.com/article/20160115/ARTICLES/160119737?p=1&tc=pg> Accessed April 6, 2016.

Dadswell, M. J., B. D. Taubert, T. S. Squiers, D. Marchette and J. Buckley. 1984. Synopsis of Biological Data on Shortnose Sturgeon, *Acipenser brevirostrum* LeSueur 1818. Washington (DC): National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS). Technical Report NMFS-14, FAO Fisheries synopsis No. 140: 45. http://www.nmfs.noaa.gov/pr/pdfs/species/shortnosesturgeon_biological_data.pdf Accessed July 15, 2015.

Dahl, T. E. 2000. Status and Trends of Wetlands in the Conterminous United States 1986 to 1997. Washington (DC): U.S. Fish and Wildlife Service (USFWS). 82. <http://www.fws.gov/wetlands/Documents/Status-and-Trends-of-Wetlands-in-the-Conterminous-United-States-1986-to-1997.pdf> Accessed July 15, 2015.

Dahl, T. E. 2005. Florida's Wetlands: An Update on Status and Trends 1985 to 1996. Washington (DC): U.S. Fish and Wildlife Service (USFWS). 80. <http://www.fws.gov/wetlands/Documents/Floridas-Wetlands-An-Update-on-Status-and-Trends-1985-to-1996.pdf> Accessed July 15, 2015.

Dahl, T. E. 2006. Status and Trends of Wetlands in the Conterminous United States 1998 to 2004. Washington (DC): U.S. Fish and Wildlife Service (USFWS). 112. <http://www.fws.gov/wetlands/Documents/Status-and-Trends-of-Wetlands-in-the-Conterminous-United-States-1998-to-2004.pdf> Accessed July 15, 2015.

Dahl, T. E. and C. E. Johnson. 1991. Wetlands Status and Trends in the Conterminous United States, Mid-1970's to Mid-1980's. Washington (DC): U.S. Fish and Wildlife Service (USFWS). 28. <http://www.fws.gov/wetlands/Documents/Wetlands-Status-and-Trends-in-the-Conterminous-United-States-Mid-1970s-to-Mid-1980s.pdf> Accessed July 15, 2015.

Dahl, T. E. and S.-M. Stedman. 2013. Status and Trends of Wetlands in the Coastal Watersheds of the Conterminous United States 2004 to 2009. Washington (DC): U.S. Fish and Wildlife Service (USFWS). 58. <http://www.fws.gov/wetlands/Documents/Status-and-Trends-of-Wetlands-In-the-Coastal-Watersheds-of-the-Conterminous-US-2004-to-2009.pdf> Accessed July 15, 2015.

Dallinger, R. and P. S. Rainbow (Eds). 1993. Ecotoxicology of Metals in Invertebrates. 978-0873717342. Boca Raton (FL): CRC Press. <https://www.crcpress.com/Ecotoxicology-of-Metals-in-Invertebrates/Dallinger-Rainbow/9780873717342> Accessed July 15, 2015.

Dame, R., M. Alber, D. Allen, M. A. Mallin, C. Montague, A. Lewitus, A. Chalmers, R. Gardner, C. Gilman, B. Kjerfve, J. Pinckney and N. Smith. 2000. Estuaries of the South Atlantic Coast of North America: Their Geographical Signatures. *Estuaries and Coasts*; 23:6. 10.2307/1352999. <http://dx.doi.org/10.2307/1352999> Accessed July 15, 2015.

Dames and Moore. 1983. Deepwater Ports Maintenance Dredging Study; Results, Interpretations and Recommendations - Ports of Jacksonville, Tampa, Manatee and Pensacola. Tallahassee (FL): National Oceanic and Atmospheric Administration (NOAA). Final Report Vol. 1: 348. <http://www.gpo.gov/fdsys/pkg/CZIC-tc224-f6-d36-1983-v-ii/pdf/CZIC-tc224-f6-d36-1983-v-ii.pdf> Accessed July 15, 2015.

Dantin, D. D., R. G. Boustanly, M. A. Lewis, S. J. Jordan, R. F. Moss and T. C. Michot. 2010. Effects of Nutrient Pre-Exposure on Atrazine Toxicity to *Vallisneria americana* Michx. (Wild Celery). *Archives of Environmental Contamination and Toxicology*; 58(3):622-630. 10.1007/s00244-009-9399-3. <http://dx.doi.org/10.1007/s00244-009-9399-3> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Daprise, L. 2017. Investigation: Human Waste Fertilizes Farms, But Fuels Toxic Algae Blooms. Stuart (FL): TC Palm. <https://www.tcpalm.com/story/news/investigations/2017/02/07/biosolids-pollute-florida-watersheds/97443714/> Accessed May 18, 2019.
- Daskalakis, K. D. and T. P. O'Connor. 1995. Distribution of Chemical Concentrations in US Coastal and Estuarine Sediment. Marine Environmental Research; 40:4. 10.1016/0141-1136(94)00150-N. <http://www.sciencedirect.com/science/article/pii/01411369400150N> Accessed July 15, 2015.
- Davies, P. H., J. P. Goettl, J. R. Sinley and N. F. Smith. 1976. Acute and Chronic Toxicity of Lead to Rainbow Trout *Salmo gairdneri*, in Hard and Soft Water. Water Research; 10(3):10.1016/0043-1354(76)90128-7. <http://www.sciencedirect.com/science/article/pii/0043135476901287> Accessed July 15, 2015.
- Davis, A., K. Mondo, E. Stern, A. Annor, S. Murch, T. Coyne, L. Brand, M. Niemeyer, s. Sharp, W. Bradley, P. Cox and D. Mash. 2019. Cyanobacterial neurotoxin BMAA and brain pathology in stranded dolphins. PLoS ONE; 14(2):e0213346. <https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0213346> Accessed July 20, 2019.
- Davis, J. E. and R. Arsenault (Eds). 2005. Paradise Lost? This Environmental History of Florida. 978-0813028262. Gainesville (FL): University Press of Florida. <http://www.upf.com/book.asp?id=DAVISF05> Accessed July 15, 2015.
- De Barros, R. C., R. M. Da Rocha and M. R. Pie. 2009. Human-Mediated Global Dispersion of *Styela plicata* (Tunicata, Ascidiaceae). Aquatic Invasions; 4(1):45-57. 10.3391/ai.2009.4.1.4. <http://dx.doi.org/10.3391/ai.2009.4.1.4> Accessed July 15, 2015.
- De Orte, M. R., S. Clowez and K. Caldeira. 2019. Response of bleached and symbiotic sea anemones to plastic microfiber exposure. Environmental Pollution; 249:512-517. Accessed April 1, 2020.
- De Sa, L. C., M. Oliveira, F. Ribeiro, T. L. Rocha and M. N. Futter. 2018. Studies of the effects of microplastics on aquatic organisms: What do we know and where should we focus our efforts in the future? . Sci Total Environ; 15(645):1029-1039. Accessed April 1, 2020.
- Delfino, J. J., J. A. Coates, W. M. Davis, K. L. Garcia, M. W. Jacobs, K. J. Marincic and L. L. Signorella. 1991. Toxic Pollutants in Discharges, Ambient Waters, and Bottom Sediments: Final Report. Tallahassee (FL): Florida Department of Environmental Protection (DEP). Contract No. MW266: 1105. Accessed July 15, 2015.
- Delfino, J. J., J. A. Coates, K. L. Garcia and L. L. Signorella. 1992. Toxic Organic Pollutant Content of Sediments Within the SJRWMD Non-Swim Areas. Palatka (FL): St. Johns River Water Management District (SJRWMD). Contract No. 90D214: 59. <https://sjrda.unf.edu/items/view/sjrda:119> Accessed July 15, 2015.
- DeMort, C. L. 1990. Chapter 7. The St. Johns River System. (In The Rivers of Florida). R. J. e. Livingston (Eds). ISBN: 978-0387973630. New York (NY): Springer-Verlag. 97-120. <http://www.springer.com/us/book/9780387973630> Accessed July 15, 2015.
- Dennison, W. C., R. J. Orth, K. A. Moore, J. C. Stevenson, V. Carter, S. Kollar, P. W. Bergstrom and R. A. Batiuk. 1993. Assessing Water Quality with Submersed Aquatic Vegetation: Habitat Requirements as Barometers of Chesapeake Bay Health. BioScience; 43(2):86-94. 10.2307/1311969. <http://dx.doi.org/10.2307/1311969> Accessed July 15, 2015.
- DEP. 2002. Basin Status Report: Lower St. Johns. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Water Resource Management. 404. <https://sjrda.unf.edu/items/view/sjrda:123> Accessed July 15, 2015.
- DEP. 2004. Adopted Verified Lists of Impaired Waters for the Group 2 Basins: Lower St. Johns River. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Water Resource Management. <https://sjrda.unf.edu/items/forward/sjrda:124> Accessed July 1, 2008.
- DEP. 2006. TMDL Report: Fecal Coliform TMDL for Hogan Creek (WBID 2252) . Tallahassee (FL): Florida Department of Environmental Protection (DEP). Protection (DEP). https://floridadep.gov/sites/default/files/tmdl_document2252_0.pdf Accessed May 8, 2020.
- DEP. 2007. Plan for Development of a Statewide Total Maximum Daily Load for Mercury (Mercury TMDL). Tallahassee (FL): Florida Department of Environmental Protection (DEP), Bureau of Laboratories/Division of Water Resource Management/Division of Air Resource Management. 9. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/mercury/merc-tmdl-plan-draft.pdf> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

DEP. 2008a. Basin Management Action Plan: For the Implementation of Total Daily Maximum Loads for Nutrients Adopted by the Florida Department of Environmental Protection for the Lower St. Johns River Mainstem. Tallahassee (FL): Lower St. Johns River TMDL Executive Committee and Florida Department of Environmental Protection, Division of Water Resource Management, Bureau of Watershed Management. 194. <http://www.dep.state.fl.us/water/watersheds/docs/bmap/adopted-lsjr-bmap.pdf> Accessed July 15, 2015.

DEP. 2008b. Integrated Water Quality Assessment for Florida: 2008 305(b) Report and 303(d) List Update. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Environmental Assessment and Restoration, Bureau of Watershed Management. 156. http://www.dep.state.fl.us/water/docs/2008_Integrated_Report.pdf Accessed July 15, 2015.

DEP. 2008c. Surface Water Improvement and Management Program (SWIM). Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://www.dep.state.fl.us/water/watersheds/swim.htm> Accessed July 15, 2015

DEP. 2009a. Adopted Verified Lists of Impaired Waters for the Group 2 Basins: Lower St. Johns River. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 13. <http://www.dep.state.fl.us/water/watersheds/assessment/docs/303d/group2/adopted/cycle2/lstjr-verified-c2.xls> Accessed July 15, 2015.

DEP. 2009b. Basin Management Action Plan for Implementation of the Total Maximum Daily Loads for Fecal Coliform Adopted by the Florida Department of Environmental Protection in the Lower St. Johns River Tributaries Basin. Tallahassee (FL): Lower St. Johns River Tributaries Basin Working Group and Florida Department of Environmental Protection. 260. <http://www.dep.state.fl.us/water/watersheds/docs/bmap/lstjr-tribs-fecal-bmap.pdf> Accessed July 15, 2015.

DEP. 2009c. Final Delist List of Impaired Waters: Lower St. Johns River (Cycle 2). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 24. <http://www.dep.state.fl.us/water/watersheds/assessment/docs/303d/group2/adopted/cycle2/lstjr-delist-c2.xls> Accessed July 15, 2015.

DEP. 2009d. Final Verified Lists of Impaired Waters: Group 2 (Cycle 2). Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Water Resource Management. http://www.dep.state.fl.us/water/watersheds/assessment/adopted_gp2-c2.htm Accessed July 15, 2015.

DEP. 2009e. Florida's NPDES Stormwater Program. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://www.dep.state.fl.us/water/stormwater/npdes/index.htm> Accessed July 1, 2008.

DEP. 2009f. Northwest District Water Quality Outlook. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://www.dep.state.fl.us/northwest/Ecosys/waterquality/outlook.htm> Accessed July 15, 2015.

DEP. 2010a. Basin Management Action Plan for Implementation of the Total Maximum Daily Loads for Fecal Coliform Adopted by the Florida Department of Environmental Protection in the Lower St. Johns River Tributaries Basin (II). Tallahassee (FL): Lower St. Johns River Tributaries Basin Working Group and Florida Department of Environmental Protection. 333. <http://www.dep.state.fl.us/water/watersheds/docs/bmap/bmap-lsjt2.pdf> Accessed July 15, 2015.

DEP. 2010b. Basin Management Action Plans. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Watershed Assessment Section. <http://www.dep.state.fl.us/water/watersheds/bmap.htm> Accessed July 15, 2015.

DEP. 2010c. Biosolids (62-640). Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://www.flrules.org/gateway/ChapterHome.asp?Chapter=62-640> Accessed May 18, 2019.

DEP. 2010d. Classification of Surface Waters, Usage, Reclassification, Classified Waters (62-302.400). Tallahassee (FL): Florida Department of State (FDOS). <https://www.flrules.org/gateway/ruleno.asp?id=62-302.400> Accessed July 15, 2015.

DEP. 2010e. Florida Drought Conditions. Tallahassee (FL): Florida Department of Environmental Protection (DEP). Accessed July 15, 2015.

DEP. 2010f. Florida STORET: Search Water Data. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://survey.dep.state.fl.us/DearSpa/default.do?page=waterdata> Accessed July 15, 2015.

DEP. 2010g. Florida STORET: Station Search. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://survey.dep.state.fl.us/DearSpa/default.do?page=stations> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- DEP. 2010h. The Pilot Water Quality Credit Trading Program for the Lower St. Johns River: A Report to the Governor and Legislature. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 46. <http://www.dep.state.fl.us/water/wqssp/docs/WaterQualityCreditReport-101410.pdf> Accessed July 15, 2015.
- DEP. 2010i. Watershed Management. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Watershed Assessment Section. <http://www.dep.state.fl.us/water/watersheds/> Accessed July 15, 2015.
- DEP. 2011. DRAFT Plan for Development of a Statewide Total Maximum Daily Load for Mercury. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://sjrda.unf.edu/items/forward/sjrda:156> Accessed July 15, 2015.
- DEP. 2013a. 2012 Progress Report for the Lower St. Johns River Mainstem Basin Management Action Plan. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 127. http://www.dep.state.fl.us/northeast/stjohns/2012_progress_report_lsjr_bmap.pdf Accessed July 15, 2015.
- DEP. 2013b. Dissolved Oxygen Criteria for Class I, Class II, and Class III-Limited Waters (62-302.533). Tallahassee (FL): Florida Department of State (FDOS). <https://www.flrules.org/gateway/ruleno.asp?id=62-302.533> Accessed July 15, 2015.
- DEP. 2013c. Final Report: Mercury TMDL for the State of Florida. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Watershed Evaluation and TMDL Section. 120. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/mercury/Mercury-TMDL.pdf> Accessed July 15, 2015.
- DEP. 2013d. Implementation of Florida's Numeric Nutrient Standards. Tallahassee (FL): Florida Department of Environmental Protection (DEP). http://www.dep.state.fl.us/secretary/news/2013/03/NNC_Implementation_3-11-13.pdf Accessed July 15, 2015.
- DEP. 2013e. Lower St. Johns River Basin TMDL. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Watershed Assessment Section. <http://www.dep.state.fl.us/northeast/stjohns/TMDL/tmdl.htm> Accessed July 15, 2015.
- DEP. 2013f. Mitigation Banks Permitted Under 373.4135, F.S. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://www.dep.state.fl.us/water/wetlands/docs/mitigation/mitbanks-all.xlsx> Accessed July 15, 2015.
- DEP. 2013g. Outdoor Recreation in Florida 2013: Florida's Statewide Comprehensive Outdoor Recreation Plan (SCORP). Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Recreation and Parks. 78. http://www.dep.state.fl.us/parks/outdoor/files/FLSCORP_Draft2013.pdf Accessed July 15, 2015.
- DEP. 2013h. Report to the Governor and Legislature: Status of Efforts to Establish Numeric Interpretations of the Narrative Nutrient Criterion for Florida Estuaries and Current Nutrient Conditions of Unimpaired Waters. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 68. <https://sjrda.unf.edu/items/view/sjrda:631> Accessed July 15, 2015.
- DEP. 2013i. Table: Surface Water Quality Criteria (62-302.530). Tallahassee (FL): Florida Department of State (FDOS). <https://www.flrules.org/gateway/ruleno.asp?id=62-302.530> Accessed July 15, 2015.
- DEP. 2013j. Technical Reports: Fifth Year Assessments. Jacksonville (FL): Florida Department of Environmental Protection (DEP), Bureau of Laboratories. <http://www.dep.state.fl.us/labs/cgi-bin/reports/results.asp> Accessed July 15, 2015.
- DEP. 2013k. Technical Support Document: Derivation of Dissolved Oxygen Criteria to Protect Aquatic Life in Florida's Fresh and Marine Waters. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 232. <http://www.dep.state.fl.us/water/tmdl/docs/tsd-do-criteria-aquatic-life.pdf> Accessed July 15, 2015.
- DEP. 2014a. 2013 Five-Year Assessment Report. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Environmental Assessment and Restoration, Bureau of Watershed Management. 132. <http://www.dep.state.fl.us/water/watersheds/docs/bmap/lsjr-bmap-FiveYearProgressReport-2013.pdf> Accessed July 15, 2015.
- DEP. 2014b. Alternate Surface Water Quality Standards: Waters with Site Specific Alternative Criteria. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://www.dep.state.fl.us/water/wqssp/ssac-list.htm> Accessed July 15, 2015.
- DEP. 2014c. Basin Downloads: Waterbody ID Run 49. Tallahassee (FL): Florida Department of Environmental Protection (DEP). http://www.dep.state.fl.us/water/watersheds/assessment/docs/basin411/WBID_Run49.zip Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- DEP. 2014d. Integrated Water Quality Assessment for Florida: 2014 Sections 303(d), 305(b) Report and 314 Report and Listing Update. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Environmental Assessment and Restoration, Bureau of Watershed Management. 361. http://www.dep.state.fl.us/water/docs/2014_integrated_report.pdf Accessed July 15, 2015.
- DEP. 2014e. Statewide Comprehensive Verified List of Impaired Waters. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://www.dep.state.fl.us/water/watersheds/assessment/docs/303d/Comp-Verified-List-2014.xlsx> Accessed July 15, 2015.
- DEP. 2015a. Draft Delist List of Impaired Waters: Lower St. Johns River (Cycle 3). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 24. <http://www.dep.state.fl.us/water/watersheds/assessment/docs/303d/group2/cycle3/vldl/g2c3-lsj-dl-draft.xlsx> Accessed July 15, 2015.
- DEP. 2015b. Estuary-Specific Numeric Interpretations of the Narrative Nutrient Criterion (62-302.532). Tallahassee (FL): Florida Administrative Code, State of Florida. https://www.flrules.org/Gateway/View_notice.asp?id=16034893 Accessed July 15, 2015.
- DEP. 2015c. List of Nutrient TMDLs that are Hierarchy 1 Interpretations under Rule 62-302.531(2)(a), F.A.C. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 8. <http://www.dep.state.fl.us/water/wqssp/docs/swqdocs/nutrient-tmdl-list.pdf> Accessed June 18, 2016.
- DEP. 2016a. 2015 Progress Report for the Lower St. Johns River Main Stem Basin Management Action Plan. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/sites/default/files/ljr-bmap-apr-2015.pdf> Accessed April 13, 2018.
- DEP. 2016b. Estuary-Specific Numeric Interpretations of the Narrative Nutrient Criterion (62-302.532). Tallahassee (FL): Florida Administrative Code, State of Florida. <https://www.flrules.org/gateway/ruleno.asp?id=62-302.532> Accessed June 14, 2016.
- DEP. 2016c. Final Lower St. Johns River Tributaries BMAP I Progress Report. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Environmental Assessment and Restoration, Water Quality Restoration Program. 74. <http://www.dep.state.fl.us/water/watersheds/docs/bmap/ljr-tribs1-bmap-apr-2014.pdf> Accessed May 2, 2017.
- DEP. 2016d. Final Lower St. Johns River Tributaries BMAP II Update. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Environmental Assessment and Restoration, Water Quality Restoration Program. 123. http://www.dep.state.fl.us/water/watersheds/docs/bmap/ljr_tribs2-bmap-update.pdf Accessed May 2, 2017.
- DEP. 2016e. Lower St. Johns River Basin TMDLs (62-304.415). Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://www.flrules.org/gateway/RuleNo.asp?ID=62-304.415> Accessed June 18, 2016.
- DEP. 2016f. Lower St. Johns River Tributaries I BMAP Update, Phase 2. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Environmental Assessment and Restoration, Water Quality Restoration Program. 96. http://publicfiles.dep.state.fl.us/DEAR/DEARweb/BMAP/Lower_St._Johns_River_LSR_Tributaries/LSJR_Tribs_BMAP_I_Update_07-30-15_Distribution.pdf Accessed May 2, 2017.
- DEP. 2016g. Numeric Interpretations of Narrative Nutrient Criteria (62-302.531). Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://www.flrules.org/gateway/ruleno.asp?id=62-302.531> Accessed June 14, 2016.
- DEP. 2016h. Revised Delist of Impaired Waters: Lower St. Johns River (Cycle 3). Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://dep.state.fl.us/water/watersheds/assessment/docs/303d/group2/cycle3/vldl/g2c3-lsj-dl-rev.xlsx> Accessed April 4, 2016.
- DEP. 2016i. Revised List of Assessments in the Group 2 (Cycle 3) Basins for the Verified List of Impaired Waters, Delist, and Study Lists. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://dep.state.fl.us/water/watersheds/assessment/g2c3.htm> Accessed April 4, 2016.

LOWER SJR REPORT 2020 – REFERENCES

DEP. 2016j. Revised Verified List of Impaired Waters: Lower St. Johns (Cycle 3). Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://dep.state.fl.us/water/watersheds/assessment/docs/303d/group2/cycle3/vldl/g2c3-lsj-vl-rev.xlsx> Accessed April 4, 2016.

DEP. 2016k. Table: Surface Water Quality Criteria (62-302-530). Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://www.flrules.org/gateway/ruleno.asp?id=62-302.530> Accessed April 2, 2016.

DEP. 2017a. Final TMDL Report Nutrient TMDLs for Crescent Lake (WBID 2606B). Tallahassee (FL): Florida Department of Environmental Protection (DEP), Division of Environmental Assessment and Restoration, Water Quality Restoration Program. https://floridadep.gov/sites/default/files/Crescent_Lake_FINAL_052017_0.pdf Accessed April 1, 2018.

DEP. 2017b. Mitigation and Mitigation Banking. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/water/submerged-lands-environmental-resources-coordination/content/mitigation-and-mitigation-banking> Accessed March 10, 2018.

DEP. 2017c. Progress Report for the Lower St. Johns River Tributaries Basin Management Action Plans I and II. Tallahassee (FL): Florida Department of Environmental Protection (DEP). http://publicfiles.dep.state.fl.us/DEAR/DEARweb/BMAP/Lower_St._Johns_River_LSJR_Tributaries/Final_LSJR_Tribs_Progress_Report_2016.pdf Accessed July 14, 2017.

DEP. 2018a. 2018 BMAP Watersheds Source Investigations Map. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://fdep.maps.arcgis.com/apps/MapJournal/index.html?appid=d43cfca15b5e4c3f873db3f77b22e5db&embed> Accessed July 20, 2019.

DEP. 2018b. Final Integrated Water Quality Assessment for Florida: 2018 Sections 303(d), 305(b), and 314 Report and Listing Update. Tallahassee (FL): Division of Environmental Assessment and Restoration; Florida Department of Environmental Protection (DEP). https://floridadep.gov/sites/default/files/2018_integrated_report.pdf Accessed July 20, 2019.

DEP. 2018c. WIN – Watershed Information Network: WAVES – WIN Advanced View & Extraction System. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <http://prodenv.dep.state.fl.us/DearWin/public/wavesSearchFilter?calledBy=menu> Accessed May 15, 2019.

DEP. 2019a. 2018 Statewide Annual Report on Total Maximum Daily Loads, Basin Management Action Plans, Minimum Flows or Minimum Water Levels, and Recovery or Prevention Strategies. Tallahassee (FL): Florida Department of Environmental Protection (DEP). http://publicfiles.dep.state.fl.us/DEAR/DEARweb/BMAP/STAR/FINAL_2018_STARStoryMapADACompliant_062819.pdf Accessed May 19, 2020.

DEP. 2019b. Algal Bloom Sampling Status Dashboard Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/AlgalBloom> Accessed July 20, 2019.

DEP. 2019c. Blue-Green Algae Task Force. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/Blue-GreenAlgaeTaskForce> Accessed July 21, 2019.

DEP. 2019d. Blue-Green Algae Task Force Consensus Document #1 (11 October 2019). Tallahassee (FL): Florida Department of Environmental Protection (DEP). https://floridadep.gov/sites/default/files/Final_Consensus_%231_0.pdf Accessed June 20, 2020.

DEP. 2019e. DEP Biosolids Technical Advisory Committee. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/water/domestic-wastewater/content/dep-biosolids-technical-advisory-committee> Accessed May 15, 2019.

DEP. 2019f. Domestic Wastewater Biosolids. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/water/domestic-wastewater/content/domestic-wastewater-biosolids> Accessed May 15, 2019.

DEP. 2019g. Map. Tallahassee (FL): Florida Department of Environmental Protection (DEP). https://ca.dep.state.fl.us/mapdirect/?focus=standard&ts=1521036299378&customized=standard&zoom=latlon&latDD=28.13327565&lonDD=-83.00024414&scale=4622325&basemap=topo&topics=*WAFR RAFS IMS SP Accessed July 20, 2019.

DEP. 2019h. Notice of Proposed Rule (62-640). Tallahassee (FL): Florida Department of Environmental Protection (DEP). https://www.flrules.org/gateway/View_Note.asp?id=22546212 Accessed May 19, 2020.

LOWER SJR REPORT 2020 – REFERENCES

- DEP. 2019i. State of Florida Office of the Governor – Executive Order 19-12. Tallahassee (FL): Florida Department of Environmental Protection (DEP). https://floridadep.gov/sites/default/files/EO_19-12_0.pdf Accessed April 8, 2019.
- DEP. 2020a. Alternative Restoration Plans. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/dear/alternative-restoration-plans/> Accessed July 17, 2020.
- DEP. 2020b. Basin Management Action Plans (BMAPs). Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/dear/water-quality-restoration/content/basin-management-action-plans-bmaps/> Accessed July 17, 2020.
- DEP. 2020c. Blue-Green Algae Task Force. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://protectingfloridatogether.gov/state-action/blue-green-algae-task-force/> Accessed July 18, 2020.
- DEP. 2020d. Chapter 62-640, F.A.C., Rulemaking. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/water/domestic-wastewater/content/dep-chapter-62-640-fac-rulemaking> Accessed May 19, 2020.
- DEP. 2020e. Florida Water Quality Trading Registry. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/dear/water-quality-restoration/content/florida-water-quality-credit-trading-registry/> Accessed July 17, 2020.
- DEP. 2020f. Notice of Change/Withdrawal (62-640). Tallahassee (FL): Florida Department of Environmental Protection (DEP). https://www.flrules.org/gateway/View_Note.asp?id=23065259 Accessed May 19, 2020.
- DEP. 2020g. Notice of Development of Rulemaking (62-640). Tallahassee (FL): Florida Department of Environmental Protection (DEP). https://www.flrules.org/gateway/View_Note.asp?id=23143053 Accessed May 19, 2020.
- DEP. 2020h. Statewide Annual Report. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/dear/water-quality-restoration/content/statewide-annual-report> Accessed July 20, 2020.
- DEP. 2020i. Surface Water Quality Standards, Classes, Uses, Criteria. Tallahassee (FL): Florida Department of Environmental Protection (DEP). <https://floridadep.gov/dear/water-quality-standards/content/surface-water-quality-standards-classes-uses-criteria> Accessed May 13, 2020.
- DET.R. 1998. Digest of Environmental Statistics No. 20. London (England): The Stationary Office, Department of the Environment, Transport and the Regions (DET.R). <http://webarchive.nationalarchives.gov.uk/20130822084033/http://www.defra.gov.uk/statistics/files/pas-summary-1997.pdf> Accessed July 15, 2015.
- Deutsch, C. J., J. P. Reid, R. K. Bonde, D. E. Easton, H. I. Kochman and T. J. O’Shea. 2000. Seasonal Movements, Migratory Behavior, and Site Fidelity of West Indian Manatees Along the Atlantic Coast of the United States as Determined by Radio-telemetry. Tallahassee (FL): University of Florida, Florida Cooperative Fish and Wildlife Research Unit. Final Report. Research Work Order No. 163: 254. <http://www.aquaticcommons.org/1067/> Accessed July 15, 2015.
- Deutsch, C. J., J. P. Reid, R. K. Bonde, D. E. Easton, H. I. Kochman and T. J. O’Shea. 2003. Seasonal Movements, Migratory Behavior, and Site Fidelity of West Indian Manatees Along the Atlantic Coast of the United States. Wildlife Monographs; 151(1-77). <http://www.jstor.org/stable/3830830> Accessed July 15, 2015.
- Di Toro, D. M., H. E. Allen, H. L. Bergman, J. S. Meyer, P. R. Paquin and R. C. Santore. 2001. Biotic Ligand Model of the Acute Toxicity of Metals. 1. Technical Basis. Environmental Toxicology and Chemistry; 20(10):10.1002/etc.5620201034. <http://dx.doi.org/10.1002/etc.5620201034> Accessed July 15, 2015.
- Ding, Y., D. P. Weston, J. You, A. K. Rothert and M. J. Lydy. 2010. Toxicity of Sediment-Associated Pesticides to Chironomus dilutus and Hyalella azteca. Archives of Environmental Contamination and Toxicology; 61(1):10.1007/s00244-010-9614-2. <http://dx.doi.org/10.1007/s00244-010-9614-2> Accessed July 15, 2015.
- Dobberfuhl, D. R. 2002. Distribution of Submerged Aquatic Vegetation in the Lower St. Johns River, 1998 Atlas. Palatka (FL): St. Johns River Water Management District (SJRWMD). SJ2002-PP1: 46. <http://floridaswater.com/technicalreports/pdfs/PP/SJ2002-PP1.pdf> Accessed July 15, 2015.
- Dobberfuhl, D. R. 2007. Light Limiting Thresholds for Submerged Aquatic Vegetation in a Blackwater River. Journal of Aquatic Botany; 86(4):346-352. 10.1016/j.aquabot.2007.01.003. <http://dx.doi.org/10.1016/j.aquabot.2007.01.003> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

Dobberfuhl, D. R. 2009. *Personal Communication* to G. Pinto.

Dobberfuhl, D. R. and N. Trahan. 2003. Distribution of Submerged Aquatic Vegetation in the Lower St. Johns River, 2001 Atlas. Palatka (FL): St. Johns River Water Management District (SJRWMD). SJ2003-PP1: 52. <http://floridaswater.com/technicalreports/pdfs/PP/SJ2003-PP1.pdf> Accessed July 15, 2015.

Dodds, N. M. W., M. H. Miller and A. J. Lamm. 2014. Floridians' Perceptions of Invasive Species. Gainesville (FL): Agricultural Education and Communication Department, UF/IFAS Extension. Publication #AEC524: <http://edis.ifas.ufl.edu/wc186> Accessed December 28, 2015.

Donkin, P., J. Widdows, S. V. Evans, C. M. Worrall and M. Carr. 1989. Quantitative Structure-activity Relationships for the Effect of Hydrophobic Organic Chemicals on Rate of Feeding by Mussels (*Mytilus edulis*). *Aquatic Toxicology*; 14(3):10.1016/0166-445X(89)90021-0. <http://www.sciencedirect.com/science/article/pii/0166445X89900210> Accessed July 15, 2015.

Dortch, Q. 1990. The Interaction Between Ammonium and Nitrate Uptake in Phytoplankton. *Marine Ecology Progress Series*; 61(1):183-201. <http://www.int-res.com/articles/meps/61/m061p183.pdf> Accessed July 15, 2015.

Duis, K. and A. Coors. 2016. Microplastics in the aquatic and terrestrial environment: Sources (with a specific focus on personal care products), fate and effects. *Environ Sci Eur*; 28:1-25. Accessed April 1, 2020.

Dunn, A. E., D. R. Dobberfuhl and D. A. Casamatta. 2008. A Survey of Algal Epiphytes from *Vallisneria americana* Michx. (Hydrocharitaceae) from the Lower St. Johns River, Florida. *Southeastern Naturalist*; 7(2):229-244. 10.1656/1528-7092(2008)7[229:ASOAEF]2.0.CO;2. <http://www.bioone.org/doi/abs/10.1656/1528-7092%282008%297%5B229%3AASOAEF%5D2.0.CO%3B2> Accessed July 15, 2015.

Durako, M. J., M. D. Murphy and K. D. Haddad. 1988. Assessment of Fisheries Habitat: Northeast Florida. St. Petersburg (FL): Florida Department of Environmental Protection (DEP), Department of Natural Resources, Bureau of Marine Research. Volume 45: 51. http://f50006a.eos-intl.net/ELIBSQL12_F50006A/Documents/FMRP045ocr.pdf Accessed July 15, 2015.

Durell, G. S., J. S. Fredriksson and J. C. Higman. 2004. Sediment Quality of the Lower St. Johns River and Cedar-Ortega River Basin: Chemical Contaminant Characteristics. Palatka (FL): St. Johns River Water Management District (SJRWMD). SJ2004-SP43: 190. <http://floridaswater.com/technicalreports/pdfs/SP/SJ2004-SP43.pdf> Accessed July 15, 2015.

Durell, G. S., J. A. Seavey and C. D. Hunt. 1997. Status of Sediment Quality in the St. Johns River Water Management District: Physical and Chemical Characteristics. Revised. Palatka (FL): St. Johns River Water Management District (SJRWMD). Contract No. 95J169: 250. <http://floridaswater.com/technicalreports/pdfs/SP/SJ98-SP5.pdf> Accessed July 15, 2015.

Dyble, J., H. W. Paerl and B. A. Neilan. 2002. Genetic Characterization of *Cylindrospermopsis raciborskii* (Cyanobacteria) Isolates from Diverse Geographic Origins Based on *nifH* and *cpcBA*-IGS Nucleotide Sequence Analysis. *Applied and Environmental Microbiology*; 68(5):2567-2571. 10.1128/AEM.68.5.2567-2571.2002. <http://dx.doi.org/10.1128/AEM.68.5.2567-2571.2002> Accessed July 15, 2015.

EAO. 2020. Water Quality: A Half Century of Progress. North Garden (VA): EPA Alumni Association (EAO). <https://www.epaalumni.org/hcp/waterquality.pdf> Accessed May 7, 2020.

Echols, K. R., J. C. Meadows and C. E. Orazio. 2009. Pollution of Aquatic Ecosystems II: Hydrocarbons, Synthetic Organics, Radionuclides, Heavy Metals, Acids, and Thermal Pollution. (In Encyclopedia of Inland Waters). G. E. Likens (Eds). 978-0123706263. Elsevier/Academic Press. 120-128. <http://dx.doi.org/10.1016/B978-012370626-3.00223-4> Accessed July 15, 2015.

EDR. 2015. Demographic Estimating Conference Database. The Florida Legislature, Office of Economic and Demographic Research (EDR). <http://edr.state.fl.us/Content/conferences/population/index.cfm> Accessed July 15, 2015.

Ehrenfeld, D. W. 1970. Title. (Eds). 978-0030800498. New York (NY): Holt, Rinehart and Winston. <http://www.amazon.com/dp/0030800498> Accessed July 15, 2015.

Eisler, R. 1988a. Lead Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. Laurel (MD): U.S. Fish and Wildlife Service (USFWS), Patuxent Wildlife Research Center. 14: 94. http://www.pwrc.usgs.gov/eisler/CHR_14_Lead.pdf Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Eisler, R. 1988b. Nickel Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. Laurel (MD): U.S. Fish and Wildlife Service (USFWS), Patuxent Wildlife Research Center. 34: 95. http://www.pwrc.usgs.gov/eisler/CHR_34_Nickel.pdf Accessed July 15, 2015.
- Eisler, R. 1993. Zinc Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. Laurel (MD): U.S. Fish and Wildlife Service (USFWS), Patuxent Wildlife Research Center. 26: 79. http://www.pwrc.usgs.gov/eisler/CHR_26_Zinc.pdf Accessed July 15, 2015.
- Eisler, R. 1996. Silver Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. Laurel (MD): U.S. Fish and Wildlife Service (USFWS), Patuxent Wildlife Research Center. 32: 63. http://www.pwrc.usgs.gov/eisler/CHR_32_Silver.pdf Accessed July 15, 2015.
- Eldredge, L. G. and C. M. Smith. 2001. A Guidebook of Introduced Marine Species in Hawaii. Manoa, HI: B.P. Bishop Museum and the University of Hawaii. Bishop Museum Technical Report 21: 70. http://www2.bishopmuseum.org/HBS/invertguide/species_pdf/guide.pdf Accessed July 15, 2015.
- ELI. 2008. The Role of Aquatic Invasive Species in State Listing of Impaired Waters and the TMDL Program: Seven Case Studies. Washington (DC): Environmental Law Institute (ELI). 52. http://www.eli.org/sites/default/files/eli-pubs/d18_14.pdf Accessed July 15, 2015.
- Elton, C. S. 1958. Title. (Eds). ISBN: 978-0226206387. Chicago (IL): The University of Chicago Press. <http://press.uchicago.edu/ucp/books/book/chicago/E/bo3614808.html> Accessed July 15, 2015.
- EPA. 1976. Quality Criteria for Water. Washington (DC): Environmental Protection Agency (EPA). EPA-440/9-76-023: 534. http://www.waterboards.ca.gov/water_issues/programs/tmdl/records/state_board/2008/ref2689.pdf Accessed April 1, 2017.
- EPA. 1979. Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions. Federal Register; 44:106. <https://sjrda.unf.edu/items/view/sjrda:563> Accessed July 15, 2015.
- EPA. 1986. Ambient Water Quality Criteria for Bacteria - 1986. Washington (DC): Environmental Protection Agency (EPA), Office of Water. EPA440/5-84-002: 24. http://water.epa.gov/scitech/swguidance/standards/upload/2009_04_13_beaches_1986crit.pdf Accessed July 15, 2015.
- EPA. 1997a. Mercury Study Report to Congress; Volume I: Executive Summary. Washington (DC): Environmental Protection Agency (EPA), Office of Air Quality Planning & Standards and Office of Research and Development. EPA-452/R-97-004: 95. <http://www.epa.gov/ttn/oarpg/t3/reports/volume1.pdf> Accessed July 15, 2015.
- EPA. 1997b. Mercury Study Report to Congress; Volume II: An Inventory of Anthropogenic Mercury Emissions in the United States. Washington (DC): Office of Air Quality Planning & Standards and Office of Research and Development. EPA-452/R-97-004: 181. <http://www.epa.gov/ttn/oarpg/t3/reports/volume2.pdf> Accessed July 15, 2015.
- EPA. 2001. Water Quality Criterion for the Protection of Human Health: Methylmercury. Washington (DC): Environmental Protection Agency (EPA). EPA-823-R-01-001: 303. <https://sjrda.unf.edu/items/forward/sjrda:566> Accessed July 15, 2015.
- EPA. 2002a. Methods for Estimating the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms. Washington (DC): Environmental Protection Agency (EPA), Office of Water. EPA-821-R-02-012: 275. http://water.epa.gov/scitech/methods/cwa/wet/upload/2007_07_10_methods_wet_disk2_atx.pdf Accessed July 15, 2015.
- EPA. 2002b. Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms. Washington (DC): Environmental Protection Agency (EPA), Office of Water. EPA-821-R-02-013: 350. http://water.epa.gov/scitech/methods/cwa/wet/upload/2007_07_10_methods_wet_disk3_ctf.pdf Accessed July 15, 2015.
- EPA. 2007. Integrated Risk Information System (IRIS) Substance List. Washington (DC): U.S. Environmental Protection Agency (EPA), Office of Research and Development. <http://cfpub.epa.gov/ncea/iris/index.cfm?fuseaction=iris.showSubstanceList> Accessed July 15, 2015
- EPA. 2010a. Total Maximum Daily Loads for the Doctors Lake, Swimming Pen Creek, Six Mile Creek, Black Creek, Black Creek South Fork, Peters Creek and Lake Harney Watersheds - WBIDS: 2389, 2410, 2411, 2415B, 2415C, 2444, 2964A: Silver. Atlanta (GA): Environmental Protection Agency (EPA), Region 4. 32. http://www.epa.gov/waters/tmdldocs/38333_38333_silver.pdf Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- EPA. 2010b. Water Quality Standards for Florida's Lakes and Flowing Waters. EPA-HQ-OW-2009-0596. Federal Register; 75(233):75762-75806. <http://federalregister.gov/a/2010-29943> Accessed July 15, 2015.
- EPA. 2012a. 2012 Recreational Water Quality Criteria. Washington (DC): U.S. Environmental Protection Agency (EPA), Office of Water. 820-F-12-058: <https://www.epa.gov/sites/production/files/2015-10/documents/rwqc2012.pdf> Accessed July 1, 2014.
- EPA. 2012b. Microbial (Pathogen)/Recreational Water Quality Criteria. Washington (DC): U.S. Environmental Protection Agency (EPA), Office of Water. 820-F-12-061: 2. <http://water.epa.gov/scitech/swguidance/standards/criteria/health/recreation/upload/factsheet2012.pdf> Accessed July 15, 2015.
- EPA. 2013a. Decision Document of the United States Environmental Protection Agency Determination Under§ 303(c) of the Clean Water Act Review of a Portion of Florida's 2013 Triennial Review of Changes to Rules 62-302 and 62-303. Tallahassee (FL): Environmental Protection Agency (EPA). 33. <https://sjrda.unf.edu/items/view/sjrda:761> Accessed July 15, 2015.
- EPA. 2013b. Mercury and Air Toxics Standards (MATS). Washington (DC): Environmental Protection Agency (EPA). <http://www.epa.gov/mats/> Accessed July 15, 2015.
- EPA. 2013c. Risk-Screening Environmental Indicators (RSEI). Washington (DC): U.S. Environmental Protection Agency (EPA). http://www.epa.gov/oppt/rsei/pubs/get_rsei.html Accessed July 15, 2015.
- EPA. 2014. Cyanobacteria and Cyanotoxins: Information for Drinking Water Systems. Washington (DC): U.S. Environmental Protection Agency (EPA). https://www.epa.gov/sites/production/files/2014-08/documents/cyanobacteria_factsheet.pdf Accessed July 20, 2019.
- EPA. 2015a. 2015 Drinking Water Health Advisories for Two Cyanobacterial Toxins. Washington (DC): Environmental Protection Agency (EPA), Office of Water. 3. https://www.epa.gov/sites/production/files/2015-06/documents/cyanotoxins-fact_sheet-2015.pdf Accessed June 15, 2016.
- EPA. 2015b. Bill Number: Toxics Release Inventory (TRI) Program. Code Washington (DC): Environmental Protection Agency (EPA). <http://www2.epa.gov/toxics-release-inventory-tri-program> Accessed July 15, 2015.
- EPA. 2015c. TRI.NET. Washington (DC): Environmental Protection Agency (EPA). <http://www2.epa.gov/toxics-release-inventory-tri-program/trinet> Accessed July 15, 2015.
- EPA. 2016. Nutrient Policy Data: Guidelines and Recommendations. Washington (DC): Environmental Protection Agency (EPA). <https://www.epa.gov/nutrient-policy-data/guidelines-and-recommendations-what3> Accessed June 15, 2016.
- EPA. 2017. Health Advisories and Health Effect Support Documents for Cyanotoxins Washington (DC): U.S. Environmental Protection Agency (EPA). <https://19january2017snapshot.epa.gov/nutrient-policy-data/guidelines-and-recommendations.html> Accessed July 22, 2019.
- EPA. 2019a. Fact Sheet: Recommended Human Health Recreational Ambient Water Quality Criteria or Swimming Advisories for Microcystins and Cylindrospermopsin Washington (DC): U.S. Environmental Protection Agency (EPA). <https://www.epa.gov/sites/production/files/2019-05/documents/hh-rec-criteria-habs-factsheet-2019.pdf> Accessed July 20, 2019.
- EPA. 2019b. Health Effects from Cyanotoxins. Washington (DC): Environmental Protection Agency (EPA). <https://www.epa.gov/cyanohabs/health-effects-cyanotoxins> Accessed July 20, 2019.
- EPA. 2019c. Recommended Human Health Recreational Ambient Water Quality Criteria or Swimming Advisories for Microcystins and Cylindrospermopsin. Washington (DC): U.S. Environmental Protection Agency (EPA). <https://www.epa.gov/sites/production/files/2019-05/documents/hh-rec-criteria-habs-document-2019.pdf> Accessed July 20, 2019.
- EPA. 2020a. Impaired Waters and TMDLs. Washington (DC): Environmental Protection Agency (EPA). <https://www.epa.gov/tmdl/overview-identifying-and-restoring-impaired-waters-under-section-303d-cwa> Accessed May 7, 2020.
- EPA. 2020b. Non-Point Source Pollution. Washington (DC): Environmental Protection Agency (EPA). https://cfpub.epa.gov/si/si_public_record_report.cfm?Lab=NHEERL&TIMSType=&count=10000&dirEntryId=60116&searchAll=&showCriteria=2&simpleSearch=0&startIndex=60001/ Accessed July 16, 2020.

LOWER SJR REPORT 2020 – REFERENCES

- EPA. 2020c. Overview of Identifying and Restoring Impaired Waters under the Section 303 (d) of the Clean Water Act. Washington (DC): Environmental Protection Agency (EPA). <https://www.epa.gov/tmdl/overview-identifying-and-restoring-impaired-waters-under-section-303d-cwa> Accessed May 7, 2020.
- EPA. 2020d. Point Source Pollution Washington (DC): Environmental Protection Agency (EPA). <https://search.epa.gov/epasearch/?querytext=point+source+pollution&areaname=&areacontacts=&areasearchurl=&typeofsearch=epa&resulttemplate=2col.ftl> Accessed July 16, 2020.
- Episcopio-Sturgeon, D. J. and E. F. Pienaar. 2019. Understanding stakeholders' opinions and preferences for non-native pet trade management in Florida Human Dimensions of Wildlife; 24(1):46-60. 10.1080/10871209.2019.1537016. <https://pubag.nal.usda.gov/catalog/6266935> Accessed April 1, 2020.
- ERDC. 2015. Regulatory In-lieu Fee and Bank Information Tracking System (RIBITS). Washington (DC): U.S. Army Corps of Engineers (USACE), Environmental Research and Development Center. https://ribits.usace.army.mil/ribits_apex/f?p=107:2 Accessed July 15, 2015.
- ERDC. 2017. Regulatory In-lieu Fee and Bank Information Tracking System (RIBITS). Washington (DC): U.S. Army Corps of Engineers (USACE), Environmental Research and Development Center. https://ribits.usace.army.mil/ribits_apex/f?p=107:2 Accessed March 10, 2018.
- ERDC. 2020. Regulatory In-lieu Fee and Bank Information Tracking System (RIBITS). Washington (DC): U.S. Army Corps of Engineers (USACE), Environmental Research and Development Center. <https://ribits.ops.usace.army.mil/ords/f?p=107:2> Accessed May 1, 2020.
- Eriksen, M., S. Mason, W. Wilson, C. Box, A. Zellers, W. Edwards, H. Farley and S. Amato. 2013. Microplastic pollution in the surface waters of the Laurentian Great Lakes. Mar Pollut Bull; 77:177-182. Accessed June 20, 2020.
- Escher, B. I., R. I. L. Eggen, U. Schreiber, Z. Schreiber, E. Vye, B. Wisner and R. P. Schwarzenbach. 2002. Baseline Toxicity (Narcosis) of Organic Chemicals Determined by in Vitro Membrane Potential Measurements in Energytransducing Membranes. Environmental Science and Technology; 36(9):10.1021/es015844c. <http://dx.doi.org/10.1021/es015844c> Accessed July 15, 2015.
- Escher, B. I. and J. L. M. Hermens. 2002. Modes of Action in Ecotoxicology: Their Role in Body Burdens, Species Sensitivity, QSARs, and Mixture Effects (Critical Review). Environmental Science and Technology; 36(20):10.1021/es015848h. <http://dx.doi.org/10.1021/es015848h> Accessed July 15, 2015.
- EuropeanCommission. 2013. GREEN PAPER: On a European Strategy on Plastic Waste in the Environment Brussels, Belgium: European Commission. https://www.ab.gov.tr/files/ardb/evt/greenpaper_march_2013.pdf Accessed April 1, 2020.
- Evans, D. L., D. G. Strom, J. C. Higman, E. Hughes, E. A. Hoover and L. M. Line. 2004. An Evaluation of Benthic Macroinvertebrate Data from 20 Surface Water Sites Within the Lower St. Johns River Basin, 2002-2003. Palatka (FL): St. Johns River Water Management District (SJRWMD). SJ2004-SP41: 110. <http://floridaswater.com/technicalreports/pdfs/SP/SJ2004-SP41.pdf> Accessed July 15, 2015.
- Evans, S. M., A. C. Birchenough and M. S. Brancato. 2000. The TBT Ban: Out of the Frying Pan into the Fire? Marine Pollution Bulletin; 40(3):10.1016/S0025-326X(99)00248-9. <https://sjrda.unf.edu/items/forward/sjrda:763> Accessed July 15, 2015.
- Everaert, G., L. Van Cauwenberghe, M. De Rijcke, A. Koelmans, J. Mees, M. Vandegehuchte and C. Janssen. 2018. Risk assessment of microplastics in the ocean: Modelling approach and first conclusions. Environmental Pollution; 242(Pt B):1930-1938. Accessed April 1, 2020.
- Farrell, P. and K. Nelson. 2013. Trophic level transfer of microplastic: *Mytilus edulis* (L.) to *Carcinus maenas* (L.). Environmental Pollution; 177:1-3. Accessed April 1, 2020.
- FAS. 2019. Evolution of the Meaning of "Waters of the United States" in the Clean Water Act. Washington (DC): Federation of American Scientists (FAS). <https://fas.org/sgp/crs/misc/R44585.pdf> Accessed July 20, 2019.
- Faulkner, S. 2004. Urbanization Impacts on the Structure and Function of Forested Wetlands. Urban Ecosystems; 7(2):89-106. 10.1023/B:UECO.0000036269.56249.66. <http://dx.doi.org/10.1023/B:UECO.0000036269.56249.66> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- FCCDR. 2008. Atlas of Florida Vascular Plants. TampL, FL: University of South Florida (USF), The Florida Center for Community Design + Research (FCCDR). <http://www.florida.plantatlas.usf.edu/> Accessed July 15, 2015.
- FCN. 2015. Foot-long Asian tiger shrimp caught on the First Coast. Jacksonville (FL): First Coast News (FCN). <http://legacy.firstcoastnews.com/story/news/weird/2015/07/09/asian-tiger-shrimp--st-johns-river--jacksonville/29945025/> Accessed February 3, 2016.
- FDEP. 2016. Basin Management Action Plan for the Implementation of Total Daily Maximum Loads for Fecal Coliforms in the Lower St. Johns River Basin Tributaries I. Tallahassee (FL): Florida Department of Environmental Protection (DEP). http://www.dep.state.fl.us/water/watersheds/docs/bmap/ljsr_tribs1-bmap-update.pdf Accessed April 2, 2016.
- FDHSMV. 2019. Vessel Owner Statistics. Tallahassee (FL): Florida Department of Highway Safety and Motor Vehicles (FDHSMV). <https://www.flhsmv.gov/motor-vehicles-tags-titles/vessels/vessel-owner-statistics/> Accessed May 8, 2020.
- FDOH. 2005. News Release: Health Alert for Duval, St. Johns, and Clay Counties. Tallahassee (FL): Florida Department of Health (FDOH), Duval County Health Department. <https://sjrda.unf.edu/items/view/sjrda:199> Accessed July 15, 2015.
- FDOH. 2016. Your Guide to Eating Fish Caught in Florida (2015). Tallahassee (FL): Florida Department of Health (FDOH). 39. <http://www.floridahealth.gov/programs-and-services/prevention/healthy-weight/nutrition/seafood-consumption/documents/2013-advisory-brochure.pdf> Accessed April 1, 2016.
- FDOH. 2020. Seafood Consumption. Tallahasee (FL): Florida Department of Health (FDOH). <http://www.floridahealth.gov/programs-and-services/prevention/healthy-weight/nutrition/seafood-consumption/quick-facts.html> Accessed March 28, 2020.
- Fears, D. R. 2010. Arsenic in the Groundwater at Naval Station Mayport; Geochemical Processes or Anthropogenically Caused? Gainesville (FL): University of Florida, Institute of Food and Agricultural Sciences (IFAS). 19. <https://sjrda.unf.edu/items/view/sjrda:678> Accessed July 15, 2015.
- Fenton, J. 2020. Gator mating season is here. This is what you need to know. Tampa (FL): 10 Tampa Bay WTSP. <https://www.wtsp.com/article/news/regional/florida/alligator-courtship-mating-season-begins-in-april/67-89184ca5-1ca3-49a5-8653-7a7ccf664284> Accessed May 15, 2020.
- Fernald, E. A. and D. J. Patton. 1984. Titlle. (Eds). 978-0960670819. Tallahassee (FL): Florida State University. <http://www.amazon.com/dp/0960670815> Accessed July 15, 2015.
- Fisk, A. T., G. A. Stern, K. A. Hobson, W. J. Strachan, M. D. Loewen and R. J. Norstrom. 2001. Persistent Organic pollutants (POPs) in a Small, Herbivorous, Arctic Marine Zooplankton (*Calanus hyperboreus*): Trends from April to July and the Influence of Lipids and Trophic Transfer. Marine Pollution Bulletin; 43:1-6. 10.1016/S0025-326X(01)00038-8. <http://www.sciencedirect.com/science/article/pii/S0025326X01000388> Accessed July 15, 2015.
- FloridaHouse. 2020. CS/CS/SB 712: Environmental Resource Management (712). <https://www.myfloridahouse.gov/Sections/Bills/billsdetail.aspx?BillId=67257&SessionId=89> Accessed May 19, 2020.
- FloridaSenate. 2019. CS/CS/SB 1278: Biosolids Management (1278). <https://www.flsenate.gov/Session/Bill/2019/01278> Accessed May 2, 2020.
- FloridaSenate. 2020. Environmental Resource Management. Tallahassee (FL): Florida Senate. <https://www.flsenate.gov/Committees/BillSummaries/2020/html/2136> Accessed July 18, 2020.
- Flowe, J. 2016. Personal Communication to N. Goldberg.
- FNAI. 2019. Conservation Lands. Tallahassee (FL): Florida Natural Assets Inventory (FNAI). <https://www.fnaionline.org/conservationlands.cfm> Accessed May 1, 2020.
- Foltz, D. W., S. K. Sarver and A. W. Hrincevich. 1995. Genetic Structure of Brackish Water Clams (*Rangia spp.*). Biochemical Systematics and Ecology; 23(3):223-233. 10.1016/0305-1978(95)00012-J. <http://www.sciencedirect.com/science/article/pii/030519789500012J> Accessed July 15, 2015.
- Forstall, R. L. 1995. Florida Population of Counties by Decennial Census: 1900 to 1990. Washington (DC): U.S. Census Bureau (USCB), Population Division. <http://www.census.gov/population/cencounts/fl190090.txt> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Fossi, M. C. and L. Marsili. 2003. Effects of Endocrine Disruptors in Aquatic Mammals. *Pure and Applied Chemistry*; 75:11-12. 10.1351/pac200375112235. <http://dx.doi.org/10.1351/pac200375112235> Accessed July 15, 2015.
- Foster, J. M., R. W. Heard and D. M. Knott. 2004. Northern Range Extensions for *Caprella Saura* Templeton, 1836 (Crustacea: Amphipoda: Caprellidae) on the Florida Gulf Coast and South Carolina. *Gulf and Caribbean Research*; 16(1):65-69. <http://aquila.usm.edu/gcr/vol16/iss1/9/> Accessed July 15, 2015.
- Frank, B. 2008. *Personal Communication* to H. McCarthy.
- Frank, B. and H. Lee. 2008. Jacksonville Shells. Jacksonville (FL): Jacksonville Shell Club. <http://www.jaxshells.org/> Accessed July 15, 2015.
- Frayer, W. E., T. Monahan, D. C. Bowden and F. A. Graybill. 1983. Status and Trends of Wetlands and Deepwater Habitats in the Conterminous United States, 1950's to 1970's. St. Petersburg (FL): U.S. Fish and Wildlife Service (USFWS), National Wetlands Inventory. 31. <http://www.fws.gov/wetlands/Documents/Status-and-Trends-of-Wetlands-and-Deepwater-Habitats-in-the-Conterminous-United-States-1950s-to-1970s.pdf> Accessed July 15, 2015.
- French, G. T. and K. A. Moore. 2003. Interactive Effects of Light and Salinity Stress on the Growth, Reproduction, and Photosynthetic Capabilities of *Vallisneria americana* (Wild Celery). *Estuaries and Coasts*; 26(5):1255-1268. 10.1007/BF02803628. <http://dx.doi.org/10.1007/BF02803628> Accessed July 15, 2015.
- Friedland, K. D. and B. Kynard. 2004. IUCN Red List of Threatened Species (2007) *Acipenser brevirostrum*. Cambridge (England): International Union for Conservation of Nature and Natural Resources (IUCN). <http://www.iucnredlist.org/details/222/0> Accessed July 15, 2015.
- FWC. 1978. The Florida Manatee Sanctuary Act (68C-22). Tallahassee (FL): Florida Department of State (FDOS). <https://www.flrules.org/gateway/ChapterHome.asp?Chapter=68C-22> Accessed July 15, 2015.
- FWC. 2000. Sea Stats: Baitfish. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC). 4. http://research.myfwc.com/products/product_info.asp?id=1442 Accessed July 15, 2015.
- FWC. 2007. Florida Manatee Management Plan: *Trichechus manatus latirostris*. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC). 281. http://myfwc.com/media/415297/Manatee_MgmtPlan.pdf Accessed July 15, 2015.
- FWC. 2008. Bald Eagle Management Plan: *Haliaeetus leucocephalus*. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC). 85. http://myfwc.com/media/427567/Eagle_Plan_April_2008.pdf Accessed July 15, 2015.
- FWC. 2010. FWC Determines Fungus Caused St. Johns Fish Kill. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <http://preview.myfwc.com/news/news-releases/2010/november/09/fish-kill/> Accessed July 15, 2015.
- FWC. 2014a. Lionfish Recreational Regulations. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC). <http://myfwc.com/fishing/saltwater/recreational/lionfish/> Accessed July 15, 2015.
- FWC. 2014b. Manatee Protection Plans. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC). <http://www.myfwc.com/wildlifehabitats/managed/manatee/protection-plans/> Accessed July 15, 2015.
- FWC. 2014c. Nonnatives - Muscovy Duck. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC). <http://myfwc.com/wildlifehabitats/nonnatives/birds/muscovy-duck/> Accessed July 15, 2015.
- FWC. 2016. Species Profile - Largemouth Bass. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC). <http://myfwc.com/wildlifehabitats/profiles/freshwater/largemouth-bass/> Accessed April 1, 2016.
- FWC. 2018a. Boater Education. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC). <https://myfwc.com/boating/safety-education/> Accessed April 26, 2019.
- FWC. 2018b. Licenses and Permits. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC). <https://myfwc.com/license/> Accessed April 26, 2019.
- FWC. 2019. Prohibited Nonnative Species List. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC). <https://myfwc.com/wildlifehabitats/nonnatives/prohibited-species-list/> Accessed April 1, 2019.

LOWER SJR REPORT 2020 – REFERENCES

- FWC. 2020a. Florida Commercial Freshwater Fisheries 2019-2020 Rules and Regulations Summary. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC). <http://www.eregulations.com/wp-content/uploads/2019/06/19FLFW-LR1.pdf> Accessed May 12, 2020.
- FWC. 2020b. Florida Commercial Saltwater Fisheries 2019-2020 Rules and Regulations Summary. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC). <https://myfwc.com/fishing/saltwater/> Accessed May 12, 2020.
- FWRI. 2002. Fisheries-Independent Monitoring Program 2001 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 333. http://www.lsjr.org/pdf/FIM_2001_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2003. Fisheries-Independent Monitoring Program 2002 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2003-013: 335. http://www.lsjr.org/pdf/FIM_2002_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2004. Fisheries-Independent Monitoring Program 2003 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2004-003: 348. http://www.lsjr.org/pdf/FIM_2003_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2005. Fisheries-Independent Monitoring Program 2004 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2005-02: 364. http://www.lsjr.org/pdf/FIM_2004_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2006. Fisheries-Independent Monitoring Program 2005 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2006-10: 343. http://www.lsjr.org/pdf/FIM_2005_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2007. Fisheries-Independent Monitoring Program 2006 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2007-004: 356. http://www.lsjr.org/pdf/FIM_2006_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2008a. Atlantic Croaker, *Micropogonias undulatus* (Linnaeus, 1766). St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 6. http://myfwc.com/media/194607/atlantic_croaker.pdf Accessed July 15, 2015.
- FWRI. 2008b. Fisheries-Independent Monitoring Program 2007 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2008-006: 345. http://www.lsjr.org/pdf/FIM_2007_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2008c. Flounders, *Paralichthys* spp. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 6. <http://myfwc.com/media/194673/flounders.pdf> Accessed July 15, 2015.
- FWRI. 2008d. Penaeid Shrimp. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 5. http://myfwc.com/media/195867/penaeid_shrimps.pdf Accessed July 15, 2015.
- FWRI. 2009. Fisheries-Independent Monitoring Program 2008 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2009-002: 342. http://www.lsjr.org/pdf/FIM_2008_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2010. Fisheries-Independent Monitoring Program 2009 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2010-001: 340. http://www.lsjr.org/pdf/FIM_2009_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2011. Fisheries-Independent Monitoring Program 2010 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2009-002: 342. http://www.lsjr.org/pdf/FIM_2010_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2012a. Cold-Related Mortality Event Winter 2009-2010. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <http://myfwc.com/research/manatee/rescue-mortality-response/mortality-statistics/cold-related-2009-2010/> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- FWRI. 2012b. Fisheries-Independent Monitoring Program 2011 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2012-005: 342. http://www.lsjr.org/pdf/FIM_2011_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2013a. Blue Crab, *Callinectes sapidus* Rathbun, 1896. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 6. http://myfwc.com/media/195795/ihr_2013-014_blue_crab_2013.pdf Accessed July 15, 2015.
- FWRI. 2013b. Fisheries-Independent Monitoring Program 2012 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2013-003: 342. http://www.lsjr.org/pdf/FIM_2012_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2014. Fisheries-Independent Monitoring Program 2013 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2014-003: 346. http://www.lsjr.org/pdf/FIM_2013_Annual_Report.pdf Accessed July 15, 2015.
- FWRI. 2015. Red Drum, *Scianops ocellatus* (Linnaeus, 1766). St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 7. <http://myfwc.com/media/194654/red-drum.pdf> Accessed April 1, 2016.
- FWRI. 2016. Fisheries-Independent Monitoring Program 2015 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). http://www.lsjr.org/pdf/FIM_2015_Annual_Report.pdf Accessed April 1, 2016.
- FWRI. 2017. Fisheries-Independent Monitoring Program 2016 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). https://www.dep.state.fl.us/northeast/stjohns/TMDL/docs/Feb2017/LSJR_Main_Stem_BMAP_2016_progress_report021617.docx Accessed March 10, 2017.
- FWRI. 2018a. Fisheries-Independent Monitoring Program 2016 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <https://floridadep.gov/northeast> Accessed March 10, 2018.
- FWRI. 2018b. Manatee Population Monitoring. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <http://myfwc.com/research/manatee/research/population-monitoring/synoptic-surveys/> Accessed April 10, 2018.
- FWRI. 2019. Fisheries-Independent Monitoring Program 2018 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <https://floridadep.gov/northeast> Accessed March 10, 2019.
- FWRI. 2020a. Commercial Fisheries Landings in Florida. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <https://myfwc.com/research/saltwater/fishstats/commercial-fisheries/landings-in-florida/> Accessed April 28, 2020.
- FWRI. 2020b. Fisheries-Independent Monitoring Program 2019 Annual Data Summary Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <https://floridadep.gov/northeast> Accessed April 10, 2020.
- FWRI. 2020c. Florida Manatee. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <http://myfwc.com/research/manatee/> Accessed May 8, 2020.
- FWRI. 2020d. Manatee Mortality Search. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <http://research.myfwc.com/manatees/> Accessed May 8, 2020.
- FWRI. 2020e. Manatee Population Monitoring. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <http://myfwc.com/research/manatee/research/population-monitoring/synoptic-surveys/> Accessed May 8, 2020.
- FWRI. 2020f. Shortnose Sturgeon Population Evaluation in the St. Johns River, Florida. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). <http://myfwc.com/research/saltwater/sturgeon/research/population-evaluation> Accessed May 1, 2020.

LOWER SJR REPORT 2020 – REFERENCES

- Gallegos, C. L. 2005. Optical Water Quality of a Blackwater River Estuary: The Lower St. Johns River, Florida, USA. *Estuarine, Coastal and Shelf Science*; 63(1-2):57-72. 10.1016/j.ecss.2004.10.010. <http://dx.doi.org/10.1016/j.ecss.2004.10.010> Accessed July 15, 2015.
- Gao, X. 2009. Final TMDL Report: Nutrient and Dissolved Oxygen TMDLs for the Six Middle St. Johns River Segments between the Inlet of Lake Harney (WBID 2964A) and St. Johns River above Wekiva River (WBID 2893C). Tallahassee (FL): Florida Department of Environmental Protection (DEP). https://floridadep.gov/sites/default/files/donutmdl_msjr_final.pdf Accessed August 1, 2019.
- GBIF. 2012a. Occurrence Records for *Caprella scaura* (Templeton, 1836). Copenhagen, Denmark: Global Biodiversity Information Facility. <http://data.gbif.org/species/5178082/> Accessed July 15, 2015.
- GBIF. 2012b. Occurrence Records for *Corophium lacustre* (Vanhöffen, 1911). Copenhagen, Denmark: Global Biodiversity Information Facility. <http://data.gbif.org/species/2217325/> Accessed July 15, 2015.
- GBIF. 2012c. Occurrence Records for *Rangia cuneata* (G. B. Sowerby I, 1831). Copenhagen, Denmark: Global Biodiversity Information Facility. <http://data.gbif.org/species/5188971/> Accessed July 15, 2015.
- GBIF. 2012d. Occurrence Records for *Styela plicata* (Lesueur, 1823). Copenhagen, Denmark: Global Biodiversity Information Facility. <http://data.gbif.org/species/2331954/> Accessed July 15, 2015.
- Gelsleichter, J., C. J. Walsh, N. J. Szabo and L. E. L. Rasmussen. 2006. Organochlorine Concentrations, Reproductive Physiology, and Immune Function in Unique Populations of Freshwater Atlantic Stingrays (*Dasyatis sabina*) from Florida's St. Johns River. *Chemosphere*; 63(9):10.1016/j.chemosphere.2005.09.011. <http://dx.doi.org/10.1016/j.chemosphere.2005.09.011> Accessed July 15, 2015.
- Gerstein, E. R., J. E. Blue, G. F. Pinto and S. Barr. 2006. Underwater Noise Radiation from Dredging and the Zones of Masking that Impact Manatee Hearing in the Lower St. Johns River, Jacksonville, FL. Jacksonville (FL): City of Jacksonville (COJ), Jacksonville Waterways Commission (JWC). Final draft - contract No. 8548: 55. <https://sjrda.unf.edu/items/view/sjrda:279> Accessed July 15, 2015.
- GESAMP. 2015. Sources, fate, and effects of microplastics in the marine environment: A global assessment. London, UK: Rep. Stud Joint Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP), IMO/FAO/UNESCO-IOC/UNIDO/ WMO/IAEA/UN/UNEP/UNDP. Accessed April 1, 2020.
- Giblin, A. E., A. Bourg, I. Valiela and J. M. Teal. 1980. Uptake and Losses of Heavy Metals in Sewage Sludge by a New England Salt Marsh. *American Journal of Botany*; 67(7):1059-1068. <http://www.jstor.org/stable/2442198> Accessed July 15, 2015.
- Gilg, M. R., R. Howard, R. Turner, M. Middlebrook, M. Abdulnour, E. Lukaj, P. Sheng, T. Liu and B. Tutak. 2014. Estimating the dispersal capacity of the introduced green mussel, *Perna viridis* (Linnaeus, 1758), from field collections and oceanographic modeling. *Journal of Experimental Marine Biology and Ecology*; 461:233-142. 10.1016/j.jembe.2014.08.004. <http://dx.doi.org/10.1016/j.jembe.2014.08.004> Accessed July 15, 2015.
- Gilg, M. R., E. Lukaj, M. Abdulnour, E. Gonzalez, M. Middlebrook, R. Turner and R. Howard. 2010. Spatio-Temporal Settlement Patterns of the Non-native Titan Acorn Barnacle, *Megabalanus coccopoma*, in Northeastern Florida. *Journal of Crustacean Biology*; 30(1):146-150. 10.1651/09-3148.1. <http://dx.doi.org/10.1651/09-3148.1> Accessed July 15, 2015.
- Gilliom, R. J., J. E. Barbash, C. G. Crawford, P. A. Hamilton, J. D. Martin, N. Nakagaki, L. H. Nowell, J. C. Scott, P. E. Stackelberg, G. P. Thelin and D. M. Wolock. 2006. Pesticides in the Nation's Streams and Ground Water, 1992-2001 (Revised February 2007). Washington (DC): U.S. Geological Survey (USGS). Circular 1291: 184. <http://pubs.usgs.gov/circ/2005/1291/pdf/circ1291.pdf> Accessed July 15, 2015.
- Gipson, J. 2014. *Personal Communication* to G. Pinto.
- Goff, K. 2010. *Personal Communication* to L. Sonnenberg.
- Goldberg, N. and K. C. Reiss. 2016. Accounting for Wetland Loss: Wetland Mitigation Trends in Northeast Florida 2006-2013. *Wetlands*; 36(2):73-384. Accessed May 25, 2016.
- Goldberg, N., T. Trent and J. Hendrickson. 2018. Temporal and Spatial Changes in *Vallisneria americana* Michaux (Tape-grass) Beds in the Lower St. Johns River, Florida, from 2002–2011. *Southeastern Naturalist*; 17(3):396-410.

LOWER SJR REPORT 2020 – REFERENCES

<https://bioone.org/journals/Southeastern-Naturalist/volume-17/issue-3/058.017.0305/Temporal-and-Spatial-Changes-in-iVallisneria-americana-i-Michaux-Tape/10.1656/058.017.0305.short> Accessed May 8, 2019.

Gordon, D. 1997. Sodium Channels as Targets for Neurotoxins: Mode of Action and Interaction of Neurotoxins with Receptor Sites on Sodium Channels. (In Toxins and Signal Transduction). (Eds). 978-9057020780. Amsterdam: Harwood. 119-149. <https://www.crcpress.com/Toxins-and-Signal-Transduction/Gutman-Lazarovici/9789057020780> Accessed July 15, 2015.

Gordon, D. R. 1998. Effects of Invasive, Non-Indigenous Plant Species on Ecosystem Processes: Lessons Learned from Florida. Ecological Applications; 8(4):975-989. 10.1890/1051-0761(1998)008[0975:EOINIP]2.0.CO;2. <http://www.esajournals.org/doi/abs/10.1890/1051-0761%281998%29008%5B0975%3AEONIP%5D2.0.CO%3B2> Accessed July 15, 2015.

Gouin, T., J. Avalos, I. Brunning, K. Brzuska, J. De Graaf, J. Kaumanns, T. Koning, M. Meyberg, K. Rettinger, H. Schlatter, J. Thomas, R. van Welie and T. Wolf. 2015. Use of micro-plastic beads in cosmetic products in Europe and their estimated emissions to the North Sea environment. SOFW Journal; 141:40-46. Accessed April 1, 2020.

Graf, D. L. 2013. Phylum Nemertea. Stevens Point, WI: University of Wisconsin-Stevens Point. <http://winvertebrates.uwsp.edu/Nemertea.html> Accessed July 15, 2015.

Granberry, J. 1956. Timucua I: Prosodics and Phonemics of the Mocama Dialect. International Journal of American Linguistics; 22(2):97-105. <http://www.jstor.org/stable/1263585> Accessed July 15, 2015.

Granberry, J. 1993. Title. (Eds). ISBN: 978-0817307042. Tuscaloosa (AL): The University of Alabama Press. <https://sjrda.unf.edu/items/forward/sjrda:286> Accessed July 15, 2015.

Gray, A. D. and J. E. Weinstein. 2017. Size and shape-dependent effects of microplastic particles on adult Daggerblade Grass Shrimp (*Palaemonetes pugio*). Environmental Toxicology and Chemistry; 36:3074-3080. Accessed April 1, 2020.

Gray, J. S., M. Waldichuk, A. J. Newton, R. J. Berry, A. V. Holden and T. H. Pearson. 1979. Pollution-Induced Changes in Populations. Philosophical Transactions of the Royal Society of London B.; 286(1015):545-561. 10.1098/rstb.1979.0045. <http://dx.doi.org/10.1098/rstb.1979.0045> Accessed July 15, 2015.

Green, E. J. and D. E. Carritt. 1967. New Tables for Oxygen Saturation of Seawater. Journal of Marine Research; 25:2. Accessed July 15, 2015.

Groom, M. J., G. K. Meffe and C. R. Carroll. 2006. Title. (Eds). ISBN: 978-0-878-93518-5. Sunderland (MA): Sinauer Associates, Inc. <http://www.sinauer.com/catalog/biology/principles-of-conservation-biology.html> Accessed July 15, 2015.

Grosell, M., J. Blanchard, K. V. Brix and R. Gerdes. 2007. Physiology is Pivotal for Interactions Between Salinity and Acute Copper Toxicity to Fish and Invertebrates. Aquatic Toxicology; 84(2):10.1016/j.aquatox.2007.03.026. <http://dx.doi.org/10.1016/j.aquatox.2007.03.026> Accessed July 15, 2015.

Grosell, M., R. Gerdes and K. V. Brix. 2006. Influence of Ca, Humic acid and pH on Lead Accumulation and Toxicity in the Fathead Minnow During Prolonged Water-borne Lead Exposure. Comparative Biochemistry and Physiology - Part C: Toxicology & Pharmacology; 143(4):10.1016/j.cbpc.2006.04.014. <http://dx.doi.org/10.1016/j.cbpc.2006.04.014> Accessed July 15, 2015.

Gross, T. S. and O. T. Burgess. 2015. Lower St. Johns River Biological Community Monitoring - Post Discharge Relocation Report. Jacksonville (FL): St. Johns Riverkeeper. <http://folioweekly.com/STUDY-HARD,14686> Accessed April 1, 2016.

GSMFC. 2010. Non-Native Aquatic Species in the Gulf of Mexico and South Atlantic Regions. Ocean Springs (MS): Gulf States Marine Fisheries Commission (GSMFC). <http://www.gsarp.org/> Accessed July 15, 2015.

Guillette Jr., L. J., J. W. Brock, A. A. Rooney and A. R. Woodward. 1999. Serum Concentrations of Various Environmental Contaminants and Their Relationship to Sex Steroid Concentrations and Phallus Size in Juvenile American Alligators. Archives of Environmental Contamination and Toxicology; 36(4):10.1007/PL00006617. <http://dx.doi.org/10.1007/PL00006617> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

Guillette Jr., L. J., T. S. Gross, G. R. Masson, J. M. Matter, H. F. Percival and A. R. Woodward. 1994. Developmental Abnormalities of the Gonads and Abnormal Hormone Concentrations in Juvenile Alligators from Contaminated and Control Lakes in Florida. Environmental Health Perspectives; 102:8. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1567320/> Accessed July 15, 2015.

Gurbisz, C., W. M. Kemp, L. P. Sanford and R. J. Orth. 2016. Mechanisms of Storm-Related Loss and Resilience in a Large Submersed Plant Bed. Estuaries and Coasts; 39(4):951-966. DOI 10.1007/s12237-016-0074-4. [https://www.researchgate.net/publication/293641255 Mechanisms of Storm-Related Loss and Resilience in a Large Submersed Plant Bed](https://www.researchgate.net/publication/293641255_Mechanisms_of_Storm-Related_Loss_and_Resilience_in_a_Large_Submersed_Plant_Bed) Accessed May 8, 2019.

Guzman, H. M. and C. E. Jimenez. 1992. Contamination of Coral Reefs by Heavy Metals Along the Caribbean Coast of Central America (Costa Rica and Panama). Marine Pollution Bulletin; 24:11. 10.1016/0025-326X(92)90708-E. <http://www.sciencedirect.com/science/article/pii/0025326X9290708E> Accessed July 15, 2015.

Hackney, C. T. 2015. St. Johns River Economic Study. Jacksonville (FL): University of North Florida (UNF), Coastal Biology Program. 284. [http://floridaswater.com/stjohnsriver/pdfs/St. Johns River Economic Study.pdf](http://floridaswater.com/stjohnsriver/pdfs/St.%20Johns%20River%20Economic%20Study.pdf) Accessed July 15, 2015.

Hallegraeff, G. M. and C. J. Bolch. 1991. Transport of Toxic Dinoflagellate Cysts via Ships' Ballast Water. Marine Pollution Bulletin; 22(1):27-30. 10.1016/0025-326X(91)90441-T. <http://www.sciencedirect.com/science/article/pii/0025326X9190441T> Accessed July 15, 2015.

Hallegraeff, G. M., C. J. Bolch, J. Bryan and B. Koerbin. 1990. Microalgal Spores in Ship's Ballast Water: A Danger to Aquaculture. Fourth International Conference on Toxic Marine Phytoplankton, Lund (Sweden): Elsevier. <http://www.amazon.com/dp/044401523X> Accessed July 15, 2015.

Hankla, D. 2007. U.S. Fish and Wildlife Service Announces Availability of the Wood Stork Five-Year Review. Jacksonville (FL): U.S. Fish and Wildlife Service (USFWS), North Florida Field Office. <http://www.fws.gov/northflorida/Releases-07/005-07-Availability-of-Wood-stork-Five-Year-Reviews-092807.htm> Accessed July 15, 2015.

Harper, H. H. and D. M. Baker. 2007. Evaluation of Current Stormwater Design Criteria within the State of Florida. Orlando (FL): Florida Department of Environmental Protection (DEP) and Environmental Research & Design Inc. FDEP Contract No. S0108: 345. [http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/SW TreatmentReportFinal 71907.pdf](http://www.dep.state.fl.us/water/nonpoint/docs/nonpoint/SW_TreatmentReportFinal_71907.pdf) Accessed July 15, 2015.

Harrington, D., G. Maddox and R. Hicks. 2010. Florida Springs Initiative Monitoring Network Report and Recognized Sources of Nitrate. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 113. http://www.dep.state.fl.us/springs/reports/files/springs_report_102110.pdf Accessed July 15, 2015.

Harris, C. and J. Hendrickson. 2019. Doctors Lake Watershed: Recent sampling for nutrients and wastewater tracers (Powerpoint presentation). Accessed July 20, 2020.

Hart, C. 2012. *Personal Communication* to G. Pinto.

Hartley, W. 2020. *Personal Communication* to G. Pinto.

Hefner, J. M. 1986. Wetlands in Florida: 1950's to 1970's. Managing Cumulative Effects in Florida Wetlands, Madison (WI): Omnipress. <https://www.fws.gov/wetlands/Documents/Wetlands----of----Florida----1950s----to----1970s.pdf> Accessed May 2, 2015.

Helsel, D. 2005. More Than Obvious: Better Methods for Interpreting Nondetect Data. Environmental Science and Technology; 39(20):419-423A. 10.1021/es053368a. <http://dx.doi.org/10.1021/es053368a> Accessed July 15, 2015.

Hendrickson, J. 2006. The St. Johns River: Water Resource and Pollution Issues. A Seminar for Journalists. Palatka (FL): St. Johns River Water Management District (SJRWMD). 35. <https://sjrda.unf.edu/items/view/sjrda:301> Accessed July 15, 2015.

Hendrickson, J. 2008. *Personal Communication* to P. Welsh.

Hendrickson, J. 2011. *Personal Communication* to L. Sonnenberg.

Hendrickson, J. 2013. *Personal Communication* to L. Sonnenberg.

Hendrickson, J. 2014. *Personal Communication* to G. Pinto.

LOWER SJR REPORT 2020 – REFERENCES

- Hendrickson, J. and J. Konwinski. 1998. Seasonal Nutrient Import-Export Budgets for the Lower St. Johns River, Florida. Palatka (FL): St. Johns River Water Management District (SJRWMD). Contract WM598: 109. http://waterinstitute.ufl.edu/WorkingGroups/TCAA/downloads/Hendrickson_and_Konwinski_1998.pdf Accessed July 15, 2015.
- Higman, J. C., C. Hart, J. Tallerico, S. Baird and D. Campbell. 2013. The Lower St. Johns River Basin Sediment Quality Atlas: Riverbed Sediment Characteristics and Contaminant Concentrations. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://floridaswater.com/technicalreports/pdfs/SP/SJ2013-SP4.pdf> Accessed July 15, 2015.
- Hill, J. E. and J. Sowards. 2015. Successful eradication of the non-native loricariid catfish *Pterygoplichthys disjunctivus* from the Rainbow River, Florida. Managmt Biol. Inv.; 6:311-317. http://www.reabic.net/journals/mbi/2015/Accepted/MBI_2015_Hill_Sowards_correctedproof.pdf Accessed July 15, 2015.
- Hoang, T. C., J. R. Tomasso and S. J. Klaine. 2004. Influence of Water Quality and Age on Nickel Toxicity to Fathead Minnows (*Pimephales promelas*). Environmental Toxicology and Chemistry; 23:1. 10.1897/03-11. <http://dx.doi.org/10.1897/03-11> Accessed July 15, 2015.
- Hodson, P. V., B. R. Blunt and D. J. Spry. 1978. Chronic Toxicity of Water-borne and Dietary Lead to Rainbow Trout (*Salmo gairdneri*) in Lake Ontario Water. Water Research; 12:10. 10.1016/0043-1354(78)90039-8. <http://www.sciencedirect.com/science/article/pii/0043135478900398> Accessed July 15, 2015.
- Homann, P. 2019. Personal Communication to L. Rinaman.
- Horak, D. 1995. Native and Nonnative Fish Species Used in State Fisheries Management Programs in the United States. American Fisheries Society Symposium on Uses and Effects of Cultured Fishes in Aquatic Ecosystems, Albuquerque (NM): American Fisheries Society. <http://www.amazon.com/dp/0913235911> Accessed July 15, 2015.
- Hostetler, J. A., H. H. Edwards, J. Martin and P. Schueller. 2018. Technical Report No. 23: Updated Statewide Abundance Estimates for the Florida Manatee. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 23. https://media.news4jax.com/document_dev/2018/12/18/FWC-FWRI-TR23-Hostetler_1545160400024_15865885_ver1.0.pdf Accessed May 8, 2019.
- Hough, P. and M. Robertson. 2009. Mitigation Under Section 404 of the Clean Water Act: Where it Comes From, What it Means. Wetlands Ecology and Management; 17(1):15-33. 10.1007/s11273-008-9093-7. <http://dx.doi.org/10.1007/s11273-008-9093-7> Accessed July 15, 2015.
- Houston, J. R. and R. G. Dean. 2014. Shoreline Change on the East Coast of Florida. Journal of Coastal Research; 30(4):647-660. 10.2112/JCOASTRES-D-14-00028.1. <http://dx.doi.org/10.2112/JCOASTRES-D-14-00028.1> Accessed July 15, 2015.
- Humann, P. and N. Deloach. 2011. Title. (Eds). ISBN: 978-1878348319. Jacksonville (FL): New World Publications. http://www.fishid.com/nwp/index.php?main_page=product_info&cPath=1&products_id=3 Accessed July 15, 2015.
- Hutchinson, G. E. 1944. Nitrogen in the Biogeochemistry of the Atmosphere. American Scientist; 32(3):178-195. <http://www.jstor.org/stable/29773619> Accessed July 15, 2015.
- IFAS. 2007. UF/IFAS Center for Aquatic and Invasive Plants. Gainesville (FL): University of Florida, Institute of Food and Agricultural Sciences (IFAS). <http://plants.ifas.ufl.edu/> Accessed July 15, 2015.
- IFAS. 2009. Trophic States of Florida Lakes. Gainesville (FL): University of Florida, Institute of Food and Agricultural Sciences (IFAS). <http://plants.ifas.ufl.edu/manage/overview-of-florida-waters/introduction> Accessed July 15, 2015.
- Incardona, J. P., T. K. Collier and N. L. Scholz. 2004. Defects in Cardiac Function Precede Morphological Abnormalities in Fish Embryos Exposed to Polycyclic Aromatic Hydrocarbons. Toxicology and Applied Pharmacology; 196(2):10.1016/j.taap.2003.11.026. <http://dx.doi.org/10.1016/j.taap.2003.11.026> Accessed July 15, 2015.
- Inclan, L. 2013. Algae Bloom in St. Johns River Causes Health Concerns. Jacksonville (FL): Action News Jacksonville. <https://sjrda.unf.edu/items/view/sjrda:773> Accessed July 15, 2015.
- Ivar do Sul, J. A. and M. F. Costa. 2014. The present and future of microplastic pollution in the marine environment. Environmental Pollution; 185(352-364. Accessed April 1, 2020.
- Jackson, T. 2013. Personal Communication to N. Goldberg.

LOWER SJR REPORT 2020 – REFERENCES

- Jacksonville Zoo. 2019. Biofacts: Bald Eagle. Jacksonville (FL): Jacksonville Zoo and Gardens. <http://www.jacksonvillezoo.org/listingDetails.aspx?listingID=6983&pageID=15580> Accessed May 10, 2019.
- Jacksonville Zoo. 2020b. Wood Stork Conservation. Jacksonville (FL): Jacksonville Zoo and Gardens. <http://www.jacksonvillezoo.org/woodstorkconservation> Accessed May 1, 2020.
- Jacoby, C. A. 2011. *Personal Communication* to G. Pinto.
- Jambeck, J. R., R. Geyer, C. Wilcox, T. R. Siegler, M. Perryman, A. Andrade, R. Narayan and K. L. Law. 2015. Plastic waste inputs from land into the ocean. *Science* 347:768-771. Accessed April 1, 2020.
- Jarvis, T. A., R. J. Miller, H. S. Lenihan and G. K. Bielmyer. 2013. Toxicity of ZnO Nanoparticles to the Copepod *Acartia tonsa*, Exposed Through a Phytoplankton Diet. *Environmental Toxicology and Chemistry*; 32(6):10.1002/etc.2180. <http://dx.doi.org/10.1002/etc.2180> Accessed July 15, 2015.
- JAXPORT. 2007. JAXPORT Begins Construction of New TraPac Terminal. Jacksonville (FL): Jacksonville Port Authority (JAXPORT). <http://www.freightnet.com/release/1228.htm> Accessed July 1, 2008.
- JAXPORT. 2017. Cargo Statistics. Jacksonville (FL): Jacksonville Port Authority (JAXPORT). <https://www.jaxport.com/newsroom/cargo-statistics> Accessed March 10, 2017.
- JAXPORT. 2019a. FDOT awards JAXPORT an additional \$35.3 million in funding for harbor deepening. Jacksonville (FL): Jacksonville Port Authority (JAXPORT). <https://www.jaxport.com/fdot-awards-jaxport-an-additional-35-3-million-in-funding/> Accessed April 1, 2020.
- JAXPORT. 2019b. JAXPORT sets new cargo records in 2019. Jacksonville (FL): Jacksonville Port Authority (JAXPORT). <https://www.jaxport.com/jaxport-sets-new-cargo-records-in-2019/> Accessed April 1, 2020.
- JAXPORT. 2020a. Cargo Statistics. Jacksonville (FL): Jacksonville Port Authority (JAXPORT). <https://www.jaxport.com/media/statistics/> Accessed April 1, 2020.
- JAXPORT. 2020b. Harbor Deepening. Jacksonville (FL): Jacksonville Port Authority (JAXPORT). <https://www.jaxport.com/cargo/port-improvements/harbor-deepening/> Accessed May 17, 2020.
- JEA. 2019a. Environmental Incident Reporting. Jacksonville (FL): Jacksonville Electrical Authority (JEA). https://www.jea.com/Outage_Center/Environmental_Impact_Report/ Accessed April 1, 2020.
- JEA. 2019b. Sanitary Sewer Overflows. Jacksonville (FL): Jacksonville Electrical Authority (JEA) https://www.jea.com/About/Wastewater/Sanitary_Sewer_Overflows/ Accessed December 31, 2019.
- JEA. 2020. Keeping Our Community Safe With Reliable Utility Service. Jacksonville (FL): Jacksonville Electric Authority (JEA). https://www.jea.com/Coronavirus_Update Accessed April 13, 2020.
- JHS. 2014. Reptile Found in Ocala Forest Concerns Experts. Ocala, FL: Ocala Star Banner. <http://www.ocala.com/article/20100516/ARTICLES/5161015> Accessed July 15, 2015.
- Jin, G., A. Englande, H. Bradford and H. Jeng. 2004. Comparison of E.Coli, Enterococci, and Fecal Coliform as Indicators for Brackish Water Quality Assessment. *Water Environment Research*; 76(3):245-255. <http://www.ingentaconnect.com/content/wef/wer/2004/00000076/00000003/art00008> Accessed May 1, 2017.
- Johnson, E. G. and M. K. Swenarton. 2016. Age, Growth And Population Structure Of Invasive Lionfish (*Pterois volitans Miles*) In Northeast Florida Using A Length-Based, Age-Structured Population Model. *Journal*; DOI 10.7717/peerj.2730. <https://peerj.com/articles/2730.pdf> Accessed May 10, 2017.
- Johnson, S. and M. McGarrity. 2013. Science: Tadpole Salinity Tolerance. *The Invader Update*; 5(4):2-3. http://ufwildlife.ifas.ufl.edu/InvaderUpdater/pdfs/InvaderUpdater_Winter2013.pdf Accessed July 15, 2015.
- Jones, R. J. 1997. Zooxanthellae Loss as a Bioassay for Assessing Stress in Corals. *Marine Ecology Progress Series*; 149(1):10.3354/meps149163. <http://dx.doi.org/10.3354/meps149163> Accessed July 15, 2015.
- Jones, W. W. and S. Sauter. 2005. Distribution and Abundance of *Cylindrospermopsis raciborskii* in Indiana Lakes and Reservoirs. Bloomington (IN): Indiana University, School of Public and Environmental Affairs. 54. <https://sjrda.unf.edu/items/forward/sjrda:323> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Jordan, F. 2000. An Evaluation of Relationships Between Submerged Aquatic Vegetation and Fish Community Structure in the St. Johns River. Final Report. New Orleans (LA): Loyola University of New Orleans, Department of Biological Sciences. 213. <https://sjrda.unf.edu/items/view/sjrda:325> Accessed July 15, 2015.
- Jordan, F., M. Bartolini, C. Nelson, P. E. Patterson and H. L. Soulent. 1996. Risk of Predation Affects Habitat Selection by the Pinfish *Logodon rhomboides* (Linnaeus). Journal of Experimental Marine Biology and Ecology; 208(1-2):45-56. 10.1016/S0022-0981(96)02656-1. <http://www.sciencedirect.com/science/article/pii/S0022098196026561> Accessed July 15, 2015.
- JU. 2020. Jacksonville University Manatee Research Center Online (MARCO). Jacksonville (FL): Jacksonville University (JU). <http://www.ju.edu/marco/> Accessed May 9, 2020.
- Karami-Mohajeri, S. and M. Abdollahi. 2011. Toxic Influence of Organophosphate, Carbamate, and Organochlorine Pesticides on Cellular Metabolism of Lipids, Proteins, and Carbohydrates: A Systematic Review. Human & Experimental Toxicology; 30(9):10.1177/0960327110388959. <http://dx.doi.org/10.1177/0960327110388959> Accessed July 15, 2015.
- Karen, D. J., B. M. Joab, J. M. Wallin and K. A. Johnson. 1998. Partitioning of Chlorpyrifos Between Water and an Aquatic Macrophyte (*Elodea densa*). Chemosphere; 37(8):10.1016/S0045-6535(98)00141-6. <http://www.sciencedirect.com/science/article/pii/S0045653598001416> Accessed July 15, 2015.
- Karen, D. J., S. J. Klaine and P. E. Ross. 2001. Further Considerations of the Skeletal System as a Biomarker of Episodic Chlorpyrifos Exposure. Aquatic Toxicology; 52:3-4. 10.1016/S0166-445X(00)00164-8. <http://www.sciencedirect.com/science/article/pii/S0166445X00001648> Accessed July 15, 2015.
- Karickhoff, S. W. 1981. Semi-Empirical Estimation of Sorption of Hydrophobic Pollutants on Natural Sediments and Soils. Chemosphere; 10(8):10.1016/0045-6535(81)90083-7. <http://www.sciencedirect.com/science/article/pii/0045653581900837> Accessed July 15, 2015.
- Karlavige, B. 2020. Personal Communication to G. Pinto.
- Katagi, T. 2010. Bioconcentration, Bioaccumulation, and Metabolism of Pesticides in Aquatic Organisms. (In Reviews of Environmental Contamination and Toxicology). D. M. Whitacre (Eds). 978-1441914408. New York (NY): Springer-Verlag. 1-132. http://dx.doi.org/10.1007/978-1-4419-1440-8_1 Accessed July 15, 2015.
- Kelly, N. M. 2001. Changes to the Landscape Pattern of Coastal North Carolina Wetlands Under the Clean Water Act, 1984–1992. Landscape Ecology; 16(1):3-16. 10.1023/A:1008168322720. <http://dx.doi.org/10.1023/A:1008168322720> Accessed July 15, 2015.
- Kennedy, T. L., L. A. Horth and D. E. Carr. 2009. The Effects of Nitrate Loading on the Invasive Macrophyte *Hydrilla verticillata* and Two Common, Native Macrophytes in Florida. Aquatic Botany; 91(3):253-256. 10.1016/j.aquabot.2009.06.008. <http://dx.doi.org/10.1016/j.aquabot.2009.06.008> Accessed July 15, 2015.
- Kenney, W. F., M. N. Waters, C. L. Schelske and M. Brenner. 2002. Sediment Records of Phosphorus-Driven Shifts to Phytoplankton Dominance in Shallow Florida Lakes. Journal of Paleolimnology; 27(3):367-377. 10.1023/A:1016075012581. <http://dx.doi.org/10.1023/A:1016075012581> Accessed July 15, 2015.
- Kennish, M. J. 1997. Title. (Eds). Boca Raton (FL): CRC Press. <https://www.crcpress.com/Pollution-Impacts-on-Marine-Biotic-Communities/Kennish/9780849384288> Accessed July 15, 2015.
- Kensley, B. 1998. Estimates of Species Diversity of Free-living Isopod Crustaceans on Coral Reefs. Coral Reefs; 17(1):83-88. 10.1007/s003380050100. <http://dx.doi.org/10.1007/s003380050100> Accessed July 15, 2015.
- Keppner, S. M. 1995. U.S. Fish and Wildlife Service: National and Regional Responses to Non-Indigenous Aquatic Species. Proceedings of the Northeast Conference on Non-Indigenous Aquatic Nuisance Species, Cromwell (CT): Connecticut Sea Grant College Program. Accessed July 15, 2015.
- Kiker, C. F. and A. W. Hodges. 2002. Economic Benefits of Natural Land Conservation: Case Study in Northeast Florida. Gainesville (FL): University of Florida, Institute of Food and Agricultural Sciences (IFAS), Department Food and Resource Economics. 75. <http://www.fred.ifas.ufl.edu/economic-impact-analysis/pdf/NE-Fla-Project-Final-Report.pdf> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

Kincaid, T., G. Davies, C. Werner and R. DeHan. 2012. Demonstrating the interconnection between a wastewater application facility and a first magnitude spring in a karstic watershed: Tracer study of the Southeast Farm Wastewater Reuse Facility, Tallahassee, Florida. Tallahassee (FL): Florida Department of Environmental Protection (DEP) and Florida Geological Survey (FGS). Report of Investigation No. 111: 202. <http://ufdcimages.uflib.ufl.edu/AA/00/01/68/94/00001/AA00016894.pdf> Accessed July 15, 2015.

Kinnaird, M. F. 1983a. Aerial Census of Manatee and Boats Over the Lower St. Johns River and the Intracoastal Waterway in Northeastern Florida. Site-Specific Reduction of Manatee Boat/Barge Mortality. Gainesville (FL): University of Florida, Florida Cooperative Fish and Wildlife Research Unit. Report 2, Agreement No. 14-16-0004-81-923: 56. <http://www.aquaticcommons.org/1085/> Accessed July 15, 2015.

Kinnaird, M. F. 1983b. Site-Specific Analysis of Factors Potentially Influencing Manatee Boat/Barge Mortality. Site-Specific Reduction of Manatee Boat/Barge Mortality. Gainesville (FL): University of Florida, Florida Cooperative Fish and Wildlife Research Unit. Report No. 4, Agreement No. 14-16-0004-81-923: 41. <http://ufdc.ufl.edu/UF00073786/00001> Accessed August 15, 2015.

Kitchen, S. 2016. JEA, city of Jacksonville to spend \$30 million to reduce septic tanks. Jacksonville (FL): Florida Times Union. <http://jacksonville.com/news/metro/2016-04-04/story/jea-city-jacksonville-spend-30-million-reduce-septic-tanks> Accessed April 4, 2016.

Kling, H. J. 2004. *Cylindrospermopsis Raciborskii* (Nostocales, Cyanobacteria): A Brief Historic Overview and Recent Discovery in the Assiniboine River (Canada). *Fottea*; 9(1):45-47. <http://www.fottea.cz/pdfs/fot/2009/01/02.pdf> Accessed July 15, 2015.

Koelmans, A., T. Gouin, R. Thompson, N. Wallace and C. Arthur. 2014. Plastics in the marine environment. *Environmental Toxicology and Chemistry*; 33(5-10). Accessed April 1, 2020.

Kozelka, P. B. and K. W. Bruland. 1998. Chemical Speciation of Dissolved Cu, Zn, Cd, Pb in Narragansett Bay, Rhode Island. *Marine Chemistry*; 60:3-4. 10.1016/S0304-4203(97)00107-2. <http://www.sciencedirect.com/science/article/pii/S0304420397001072> Accessed July 15, 2015.

Kraemer, G. P., R. H. Chamberlain, P. H. Doering, A. D. Steinman and M. D. Hanisak. 1999. Physiological Responses of Transplants of the Freshwater Angiosperm *Vallisneria Americana* Along a Salinity Gradient in the Caloosahatchee Estuary (Southwestern Florida). *Estuaries and Coasts*; 22(1):138-148. 10.2307/1352934. <http://dx.doi.org/10.2307/1352934> Accessed July 15, 2015.

Kramer, J. R., G. Benoit, K. C. Bowles, D. M. DiToro, R. T. Herrin, G. W. Luther III, H. Manolopoulos, K. A. Robillard, M. M. Shafer and J. R. Shaw. 2000. Environmental Chemistry of Silver. (In Silver in the Environment: Transport, Fate, and Effects). A. W. Andren and T. W. Bober (Eds). 978-1880611449. Pensacola (FL): Society of Environmental Toxicology and Chemistry (SETAC). 1-25. <https://www.setac.org/store/ViewProduct.aspx?id=1037388> Accessed July 15, 2015.

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 Non-Indigenous Amphibians and Reptiles in Florida from 1863 through 2010: Outlining the Invasion Process and Identifying Invasion Pathways and Stages. *Zootaxa*; 3028:1-64. http://www.flmnh.ufl.edu/museum-voices/kenney-krysko/files/2014/05/2011_Krysko_et_al_Verified_herps_in_Florida.pdf Accessed July 15, 2015.

Laane, R. W. P. M., W. W. C. Gieskes, G. W. Kraay and A. Eversdijk. 1985. Oxygen Consumption from Natural Waters by Photo-Oxidizing Processes. *Netherlands Journal of Sea Research*; 19(2):10.1016/0077-7579(85)90016-X. <http://www.sciencedirect.com/science/article/pii/007775798590016X> Accessed July 15, 2015.

Laist, D. W., C. Taylor and J. E. Reynolds III. 2013. Winter Habitat Preferences for Florida Manatees and Vulnerability to Cold. *PLoS ONE*; 8(3):e58978-58979. 10.1371/journal.pone.0058978. <http://dx.doi.org/10.1371/journal.pone.0058978> Accessed July 15, 2015.

Lambert, S. and M. Wagner. 2016. Characterisation of nanoplastic during the degradation of polystyrene. *Chemosphere*; 145(265-268). Accessed April 1, 2020.

Lamers, L. P. M., H. B. M. Tomassen and J. G. M. Roelofs. 1998. Sulfate-Induced Eutrophication and Phytotoxicity in Freshwater Wetlands. *Environmental Science and Technology*; 32(2):199-205. 10.1021/es970362f. <http://dx.doi.org/10.1021/es970362f> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Landsberg, J. H., J. Hendrickson, M. Tabuchi, Y. Kiryua, B. J. Williams and M. C. Tomlinson. 2020. A large-scale sustained fish kill in the St. Johns River, Florida: A complex consequence of cyanobacteria blooms. *Harmful Algae*; 92(101771). 10.1016/j.hal.2020.101771. <https://www.sciencedirect.com/science/article/pii/S1568988320300494> Accessed May 20, 2020.
- Lane, C. R., B. C. Autrey, T. Jicha, L. Lehto, C. Elonen and L. Siefert-Monson. 2015. Denitrification Potential in Geographically Isolated Wetlands of North Carolina and Florida, USA. *Wetlands*; 35(3):459-471. <http://link.springer.com/article/10.1007/s13157-015-0633-7> Accessed December 28, 2015.
- Lane, C. R. and E. D'Amico. 2010. Calculating the Ecosystem Service of Water Storage in Isolated Wetlands using LiDAR in North Central Florida, USA. *Wetlands*; 30(5):967-977. 10.1007/s13157-010-0085-z. <http://dx.doi.org/10.1007/s13157-010-0085-z> Accessed July 15, 2015.
- Lange, T. 2010. *Personal Communication* to L. Sonnenberg.
- Lassen, C., S. F. Hansen, K. Magnusson, F. Noren, N. I. B. Hartmann, P. R. Jensen, T. G. Nielsen and A. Brinch. 2015. Microplastics: Occurrence, effects and sources of releases to the environment in Denmark. Environmental project 1793. Copenhagen, Denmark: Danish Environmental Protection Agency. Accessed April 1, 2020.
- Law, K. L. and R. C. Thompson. 2014. Microplastics in the seas. *Mar Pollut Bull*; 345:144-145. Accessed April 1, 2020.
- Lee, H. 2008. *Personal Communication* to H. McCarthy.
- Lee, H. 2012a. Mytella Charruana (d'Orbigny, 1846) Charrua Mussels in Duval Co., Florida. Jacksonville (FL): Jacksonville Shell Club. <http://www.jacksonvilleshells.org/012509.htm> Accessed July 15, 2015.
- Lee, H. 2012b. *Personal Communication* to H. McCarthy.
- Leendertse, P. C., M. C. T. Scholten and J. T. Van Der Wal. 1996. Fate and Effects of Nutrients and Heavy Metals in Experimental Salt Marsh Ecosystems. *Environmental Pollution*; 94(1):19-29. 10.1016/S0269-7491(96)00104-2. <http://www.sciencedirect.com/science/article/pii/S0269749196001042> Accessed July 15, 2015.
- Levine, N. and T. Knudson. 2012. Interactive Graphic: Animals Killed by Wildlife Services Nationwide. Sacramento, CA: The Sacramento Bee. <http://www.sacbee.com/news/investigations/wildlife-investigation/article2574588.html> Accessed July 15, 2015.
- Levine, S. N. and D. W. Schindler. 1992. Modification of the N:P Ratio in Lakes by in Situ Processes. *Limnology and Oceanography*; 37(5):917-935. http://www.aslo.org/lo/toc/vol_37/issue_5/0917.pdf Accessed July 15, 2015.
- Lewis, N. and J. Mandrup-Poulsen. 2009. Final TMDL Report: Lead TMDLs for Black Creek (WBIDs 2415B and 2415C) and Peters Creek (WBID 2444). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 52. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/black-peters-lead-tmdl.pdf> Accessed July 15, 2015.
- Lindeman, P. V. 2008. *Sternotherus Carinatus* (Gray 1856) - Razorback Musk Turtle, Razor-Backed Musk Turtle. Lunenberg, MA: Chelonian Research Foundation. 5: 12.11-12.16. <http://dx.doi.org/10.3854/crm.5.012.carinatus.v1.2008> Accessed July 15, 2015.
- Linhoss, A. C., G. A. Kiker, M. Shirley and K. Frank. 2015. Sea-Level Rise, Inundation, and Marsh Migration: Simulating Impacts on Developed Lands and Environmental Systems. *Journal of Coastal Research*; 299(1):36-46. https://www.researchgate.net/publication/271721801_Sea-Level_Rise_Inundation_and_Marsh_Migration_Simulating_Impacts_on_Developed_Lands_and_Environmental_Systems Accessed May 8, 2019.
- Livingston, R. J. 2008. Importance of River Flow to the Apalachicola River-Bay System. Tallahassee (FL): Department of Biological Science, Florida State University (FSU). http://mayorvanjohnson.com/files/Livingston_Report.pdf Accessed March 10, 2018.
- Loder, M. G. J. and G. Gerdts. 2015. Methodology used for the detection and identification of microplastics—A critical appraisal. Switzerland: Marine Anthropogenic Litter. Springer International. 201-227. Accessed April 1, 2020.
- Lomolino, M. V. 1977. The Ecological Role of the Florida Manatee (*Trichechus manatus latirostris*) in Water Hyacinth-Dominated Ecosystems. M.S.; University of Florida. <http://uf.catalog.fcla.edu/permalink.jsp?20UF020568919> Accessed July 15, 2015.

Long, M. 2018. Personal Communication to R. Pyati.

Lusher, A. L., V. Tirelli, I. O'Connor, R. Officer, C. Halsband and T. S. Galloway. 2015. Microplastics in Arctic polar waters: The first reported values of particles in surface and sub-surface samples. *Sci Rep*; 5:14949. Accessed April 1, 2020.

Ma, L. Q., W. G. Harris and J. Sartain. 2000. Environmental Impacts of Lead Pellets at Shooting Ranges & Arsenical Herbicides On Golf Courses in Florida. Gainesville (FL): University of Florida, Institute of Food and Agricultural Sciences (IFAS), Florida Center for Hazardous Waste Management. Report #00-03: 62. <http://soils.ifas.ufl.edu/lqma/Publication/MA-00-R.pdf> Accessed July 15, 2015.

MacDonald, D. D. 1994. Chapter 6. Numerical Sediment Quality Assessment Guidelines for Florida Coastal Waters. Approach to the Assessment of Sediment Quality. (In Approach to the assessment of sediment quality in Florida coastal waters). (Eds). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 48-75. <http://www.dep.state.fl.us/water/monitoring/docs/seds/vol1/chapter6.pdf> Accessed July 15, 2015.

Maeda, K. 2019. Draft Report: Nutrient TMDLs for Bethel Lake, Lake Gem (Orange County), and Lake Orlando (WBIDs 2953, 2997V, and 3004K) and Documentation in Support of the Development of Site-Specific Numeric Interpretations of the Narrative Nutrient Criterion. Tallahassee (FL): Florida Department of Environmental Protection (FDEP). <http://publicfiles.dep.state.fl.us/DEAR/DEArweb/TMDL/DRAFTTMDL/Group%202/Middle%20St%20Johns%20TMDL%20Report%20final%20DRAFT.pdf> Accessed May 19, 2019.

Mager, E. M. and M. Grosell. 2011. Effects of Acute and Chronic Waterborne Lead Exposure on the Swimming Performance and Aerobic Scope of Fathead Minnows (*Pimephales promelas*). Comparative Biochemistry and Physiology - Part C: Toxicology & Pharmacology; 154(1):10.1016/j.cbpc.2011.03.002. <http://dx.doi.org/10.1016/j.cbpc.2011.03.002> Accessed July 15, 2015.

Magley, W. 2006a. TMDL Report: Fecal and Total Coliform TMDLs for Durbin Creek (WBID 2365). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 80. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/tmdl_document2365.pdf Accessed July 15, 2015.

Magley, W. 2006b. TMDL Report: Fecal and Total Coliform TMDLs for the Cedar River (WBID 2262). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 80. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/tmdl_document2262A.pdf Accessed July 15, 2015.

Magley, W. 2009a. Final TMDL Report: Dissolved Oxygen and Nutrient TMDLs for Trout River (WBID 2203). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 104. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/MiddleTroutRiver-DO_TMDL.pdf Accessed July 15, 2015.

Magley, W. 2009b. Final TMDL Report: DO and Nutrient TMDLs for the Ortega River (WBID 2213P). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 46. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/OrtegaDONutTMDL.pdf> Accessed June 17, 2016.

Magley, W. 2009c. Final TMDL Report: Nutrient TMDL for Arlington River, WBID 2265A. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 89. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/arlington-river-nutr-tmdl.pdf> Accessed July 15, 2015.

Magley, W. 2009d. TMDL Report: Dissolved Oxygen TMDL for Sixteen Mile Creek, WBID 2589. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 95. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/SixteenMileCreek-DO-TMDL.pdf> Accessed July 15, 2015.

Magley, W. 2009e. TMDL Report: DO and Nutrient TMDLs for Swimming Pen Creek (WBID 2410) and Nutrient TMDL for Doctors Lake (WBID 2389). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 166. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/SwimmingPenDoctors-DONut-TMDL.pdf> Accessed July 15, 2015.

Magley, W. 2010. Final TMDL Report: Dissolved Oxygen and Nutrient TMDLs for Mill Creek (WBID 2460). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 113. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/millcreek-donut-tmdl.pdf> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Magley, W. and D. Joyner. 2008. TMDL Report: Total Maximum Daily Load for Nutrients for the Lower St. Johns River. Tallahassee (FL): Florida Department of Environmental Protection (DEP), Watershed Assessment Section. 146. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/lower-stjohns-nutrients.pdf> Accessed July 14, 2016.
- Mahmoudi, B. 2005. A 2005 Update of the Stock Assessment for the Striped Mullet, *Mugil cephalus*, in Florida. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 43. http://myfwc.com/media/203452/stripermullet_2005asse_1327.pdf Accessed July 15, 2015.
- Malecki, L. M., J. R. White and K. R. Reddy. 2004. Nitrogen and Phosphorus Flux Rates from Sediment in the Lower St. Johns River Estuary. *Journal of Environmental Quality*; 33(4):1545-1555. 10.2134/jeq2004.1545. <http://dx.doi.org/10.2134/jeq2004.1545> Accessed July 15, 2015.
- Marcilla, A., S. Garia and J. C. Garcia-Quesada. 2004. Study of the migration of PVC plasticizers. *J Anal Appl Pyrolysis*; 71:457-463. Accessed April 1, 2020.
- Mason Jr, W. T. 1998. Macrobenthic Monitoring in the Lower St. Johns River, Florida. *Environmental Monitoring and Assessment*; 50(2):101-130. 10.1023/A:1005802229832. <http://dx.doi.org/10.1023/A:1005802229832> Accessed July 15, 2015.
- Mason, S. A., D. Garneau, R. Sutton, Y. Chu, K. Ehmann, J. Barnes, P. Fink, D. Papazissimos and D. L. Rogers. 2017. Microplastic pollution is widely detected in US municipal wastewater treatment plant effluent. *Environmental Pollution*; 218:1045-1054. Accessed April 1, 2020.
- Masterson, J. 2007. Indian River Lagoon Inventory: *Megabalanus coccopoma*, Titan Acorn Barnacle. Fort Pierce (FL): Smithsonian Marine Station. http://www.sms.si.edu/irlspec/Megabalanus_coccopoma.htm Accessed July 15, 2015
- Mattson, R. A., K. W. Cummins, R. W. Merritt, P. A. Montagna, T. Palmer, J. Mace, J. Slater and C. A. Jacoby. 2012. St. Johns River Water Supply Impact Study: Chapter 11 - Benthic Macroinvertebrates. Palatka (FL): St. Johns River Water Management District (SJRWMD). SJ2012-1: 121. http://floridaswater.com/technicalreports/pdfs/TP/SJ2012-1_Chapter11.pdf Accessed July 15, 2015.
- McBride, R. S. 2000. Florida's Shad and River Herrings (*Alosa* species): A Review of Population and Fishery Characteristics. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). Technical Report TR-5: 26. http://f50006a.eos-intl.net/ELIBSQL12_F50006A/Documents/Technical%20Report%20TR-5_R.pdf Accessed July 15, 2015.
- McCann, J. A., L. N. Arkin and J. D. Williams. 1996. Nonindigenous Aquatic and Selected Terrestrial Species of Florida: Status, Pathway and Time of Introduction, Present Distribution, and Significant Ecological and Economic Effects. Gainesville (FL): National Biological Service (NBS), Southeastern Biological Science Center. 301. http://plants.ifas.ufl.edu/manage/sites/default/files/McCann_Arkin_Williams_1996-Nonindigenous.pdf Accessed July 15, 2015.
- McCann, L. D., N. G. Hitchcock, J. E. Winston and G. M. Ruiz. 2007. Non-native Bryozoans in Coastal Embayments of the Southern United States: New Records for the Western Atlantic. *Bulletin of Marine Science*; 80(2):319-342. <http://openurl.ingenta.com/content?genre=article&issn=0007-4977&volume=80&issue=2&spage=319&epage=342> Accessed July 15, 2015.
- McCarthy, D. 2008. *Personal Communication* to H. McCarthy.
- McCarthy, H. 2011. *Personal Communication* to N. Goldberg.
- McCloud, L. 2010. *Personal Communication* to D. McCarthy.
- McCully, J. G. 2006. Title. (Eds). ISBN: 978-9812566447. Hackensack (NJ): World Scientific Publishing. <http://dx.doi.org/10.1142/9789812774330> Accessed July 15, 2015.
- McGuire, M. 2020. *Personal Communication* to G. Bielmyer-Fraser.
- McLane, W. M. 1955. The Fishes of the St. Johns River System. Ph.D.; University of Florida. <http://uf.catalog.fcla.edu/permalink.jsp?20UF000543250> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- McLaughlin, D. L., D. A. Kaplan and M. J. Cohen. 2015. A significant nexus: Geographically isolated wetlands influence landscape hydrology. *Water Resources Research*; 50(9):7153-7166. 10.1002/2013WR015002. http://www.watershedecology.org/uploads/1/2/7/3/12731039/mclaughlin_et_al_2014.pdf Accessed December 28, 2015.
- Meindl, C. F. 2005. Chapter 5: Water, Water Everywhere. (In *Paradise Lost? An Environmental History of Florida*). J. E. Davis and R. e. Arsenault (Eds). ISBN: 978-0813028262. Gainesville (FL): University Press of Florida. 113-140. <http://www.upf.com/book.asp?id=DAVISF05> Accessed July 15, 2015.
- Merchant, C. 2007. Title. (Eds). ISBN: 978-0-231-14035-5. New York (NY): Columbia University Press. Accessed April 26, 2019.
- MetroJacksonville. 2017. South Shores: A historic neighborhood near its end? . Jacksonville (FL): Metro Jacksonville. <https://www.metrojacksonville.com/article/2017-nov-south-shores-a-historic-neighborhood-near-its-end> Accessed March 10, 2018
- Meybeck, M. 1982. Carbon, Nitrogen, and Phosphorus Transport by World Rivers. *American Journal of Science*; 282(4):401-450. 10.2475/ajs.282.4.401. <http://dx.doi.org/10.2475/ajs.282.4.401> Accessed July 15, 2015.
- Meybeck, M. 1993. Natural Sources of C, N, P, and S. (In *Interactions of C, N, P and S Biogeochemical Cycles and Global Change*). R. Wollast, F. T. Mackenzie and L. e. Chou (Eds). ISBN: 978-3642760662. Berlin (Germany): Springer-Verlag. 163-193. <http://www.springer.com/earth+sciences+and+geography/geography/book/978-3-642-76066-2> Accessed July 15, 2015.
- Michielssen, M. R., E. R. Michielssen, J. Ni and M. B. Duhaime. 2016. Fate of microplastics and other small anthropogenic litter (SAL) in wastewater treatment plants depends on unit processes employed. *Environ Sci Water Res Technol*; 2:1064-1073. Accessed April 1, 2020.
- Migwi, F. K. 2020. Occurrence and Spatial Distribution of Microplastics in the Surface Waters of Lake Naivasha, Kenya *Environmental Toxicology and Chemistry*; 39:765-774. Accessed April 1, 2020.
- Milanich, J. T. 1995. Title. (Eds). ISBN: 978-0813016368. Gainesville (FL): University Press of Florida. <http://www.upf.com/book.asp?id=MILANF95> Accessed July 15, 2015.
- Milanich, J. T. 1996. Title. (Eds). ISBN: 978-0631218647. Hoboken (NJ): Wiley-Blackwell. <http://www.wiley.com/WileyCDA/WileyTitle/productCd-0631218645.html> Accessed July 15, 2015.
- Milanich, J. T. 1997. Missions, Timucuans, and the Aucilla. *Aucilla River Times*; X(1):NA. http://www.flmnh.ufl.edu/vertpaleo/aucilla10_1/missions.htm Accessed July 15, 2015.
- Milanich, J. T. 1998. Title. (Eds). ISBN: 978-0813015989. Gainesville (FL): University Press of Florida. <http://www.upf.com/book.asp?id=MILANF98> Accessed July 15, 2015.
- Miller, J. J. 1998. Title. (Eds). ISBN: 978-0813016009. Gainesville (FL): University Press of Florida. <http://www.upf.com/book.asp?id=MILLES98> Accessed July 15, 2015.
- Mitchelmore, C. L., E. A. Verde, A. H. Ringwood and V. M. Weis. 2003. Differential Accumulation of Heavy Metals in the Sea Anemone *Anthopleura elegantissima* as a Function of Symbiotic State. *Aquatic Toxicology*; 64:3. 10.1016/S0166-445X(03)00055-9. <http://www.sciencedirect.com/science/article/pii/S0166445X03000559> Accessed July 15, 2015.
- Mitsch, W. J. and J. G. Gosselink. 2000. The Value of Wetlands: Importance of Scale and Landscape Setting. *Ecological Economics*; 35(200):25-33. 10.1016/S0921-8009(00)00165-8. <http://www.sciencedirect.com/science/article/pii/S0921800900001658> Accessed July 15, 2015.
- Miyamoto, J. and M. Matsuo. 1990. Environmental Health Criteria No 94: Permethrin. Geneva (Switzerland): United Nations Environment Program, World Health Organization. <http://www.inchem.org/documents/ehc/ehc/ehc94.htm> Accessed July 15, 2015.
- Monroe, N. and C. Hong. 2018. As the Ocean Creeps In: A Florida Times Union Special Report. Jacksonville (FL): Florida Times Union. <http://gatehousenews.com/RiverProject/> Accessed March 21, 2019.

LOWER SJR REPORT 2020 – REFERENCES

- Montagna, P. A., T. A. Palmer and J. B. Pollack. 2011. St. Johns Estuary: Estuarine Benthic Macroinvertebrates Phase 2. A Final Report Submitted to the St. Johns River Water Management District. Palatka (FL): St. Johns River Water Management District (SJRWMD). 49. <http://floridaswater.com/technicalreports/pdfs/SP/SJ2012-SP4.pdf> Accessed July 15, 2015.
- Monteiro, P. R. R., M. A. Reis-Henriques and J. Coimbra. 2000. Plasma Steroid Levels in Female Flounder (*Platichthys flesus*) after Chronic Dietary Exposure to Single Polycyclic Aromatic Hydrocarbons. *Marine Environmental Research*; 49(5):[http://dx.doi.org/10.1016/S0141-1136\(99\)00085-9](http://dx.doi.org/10.1016/S0141-1136(99)00085-9). <http://www.sciencedirect.com/science/article/pii/S0141113699000859> Accessed July 15, 2015.
- Moody, H. L. 1970. Factors in the Decline of the Fishery of the St. Johns River, Florida: Report to the Florida Department of Air and Water Pollution Control Board. Tallahassee (FL): Florida Game and Fresh Water Fish Commission. Accessed July 15, 2015.
- Moreno-Mateos, D., M. E. Power, F. A. Comin and R. Yockteng. 2012. Structural and Functional Loss in Restored Wetland Ecosystems. *PLoS Biology*; 10(1):e1001247-1001248. 10.1371/journal.pbio.1001247. <http://dx.doi.org/10.1371/journal.pbio.1001247> Accessed July 15, 2015.
- Morris IV, F. W. 1995. Volume 3 of the Lower St. Johns River Basin Reconnaissance: Hydrodynamics and Salinity of Surface Water. Palatka (FL): St. Johns River Water Management District (SJRWMD). Technical Publication SJ95-9: 390. <http://floridaswater.com/technicalreports/pdfs/TP/SJ95-9.pdf> Accessed July 15, 2015.
- Morris, L. and D. R. Dobberfuhl. 2012. Appendix 9.A. Submerged Aquatic Vegetation Patterns in the Lower St. Johns River Basin. Jacksonville (FL): Division of Water Resources, St. Johns River Water Management District (SJRWMD). https://scholar.google.com/scholar?cluster=5710286309559308855&hl=en&as_sdt=0,5&sciodt=0,5 Accessed May 8, 2019.
- Mortimer, C. H. 1981. Title. (Eds). ISBN: 978-3510520220. Stuttgart (Germany): Schweizerbart Science Publishers. <http://www.schweizerbart.de/publications/detail/isbn/351052022X> Accessed July 15, 2015.
- Moskowitz, H., R. Herrmann, E. Zlotkin and D. Gordon. 1994. Variability Among Insect Sodium Channels Revealed by Binding of Selective Neurotoxins. *Insect Biochemical and Molecular Biology*; 24(1):10.1016/0965-1748(94)90118-X. <http://www.sciencedirect.com/science/article/pii/096517489490118X> Accessed July 15, 2015.
- Mulamba, T., P. Bacopoulos, E. J. Kubatko and G. F. Pinto. 2019. Sea-level rise impacts on longitudinal salinity for a low-gradient estuarine system. *Climate Change*; 152(3-4):533-534. <https://link.springer.com/article/10.1007%2Fs10584-019-02369-x> Accessed April 28, 2019.
- Mulcrone, R. S. 2005. Animal Diversity Web: Echinodermata - Sea Stars, Sea Urchins, Sea Cucumbers, and Relatives. Ann Arbor, MI: University of Michigan. <http://animaldiversity.org/accounts/Echinodermata/> Accessed July 15, 2015.
- Muller, R. G., T. M. Bert and S. D. Gerhart. 2006. The 2006 Stock Assessment Update for the Stone Crab, *Menippe* spp., Fishery in Florida. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2006-011: 47. http://myfwc.com/media/203200/sa_stone_crab_2006_0856.pdf Accessed July 15, 2015.
- Mundy, C. 2018. Hydrologic Conditions Report - March 2018, Agenda Item 2 (PowerPoint Presentation). Palatka (FL): St. Johns River Water Management District (SJRMD). Accessed April 13, 2018.
- Munyandorero, J., M. D. Murphy and T. C. MacDonald. 2006. An Assessment of the Status of Sheepshead in Florida Waters Through 2004. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2006-009: 113. <https://sjrda.unf.edu/items/forward/sjrda:465> Accessed July 15, 2015.
- Murphy, F., C. Ewins, F. Carbonnier and B. Quinn. 2016. Wastewater treatment works (WwTW) as a source of microplastics in the aquatic environment. *Environ Sci Technol*; 50(11):5800-5808. <https://pubs.acs.org/doi/abs/10.1021/acs.est.5b05416> Accessed April 1, 2020.
- Murphy, M. D., D. Chagaris and D. Addis. 2011. An Assessment of the Status of Spotted Seatrout in Florida Waters Through 2009. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2011-002: 53. http://myfwc.com/media/1355905/Spotted_seatrout.pdf Accessed July 15, 2015.
- Murphy, M. D., A. L. McMillen-Jackson and B. Mahmoudi. 2007. A Stock Assessment for the Blue Crab, *Callinectes sapidus*, in Florida Waters. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2007-006: 90. http://myfwc.com/media/200959/bc_2007.pdf Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Murphy, M. D. and J. Munyandorero. 2008. A Stock Assessment of Red Drum, *Sciaenops ocellatus*, in Florida: Status of Stocks Through 2007. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). IHR 2008-008: 106. <http://myfwc.com/media/1353540/red-drum.pdf> Accessed July 15, 2015.
- Murphy, M. D. and R. G. Taylor. 1990. Tag/Recapture and Age Validation of Red Drum in Florida. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). NA86-WC-H-06136: 27. <http://myfwc.com/media/1353540/red-drum.pdf> Accessed July 15, 2015.
- Murray, F. and P. R. Cowie. 2011. Plastic contamination in the decapod crustacean *Nephrops norvegicus* (Linnaeus, 1758). *Mar Pollut Bull*; 62(1207-1217. Accessed April 1, 2020.
- Murray-Hudson, M., C. R. Lane, S. North and B. M.T. 2012. Macrophyte Species Distribution, Indices of Biotic Integrity, and Sampling Intensity in Isolated Florida Marshes. *Wetlands*; 32(3):449-460. 10.1007/s13157-012-0278-8. <http://dx.doi.org/10.1007/s13157-012-0278-8> Accessed July 15, 2015.
- Myers, P. 2001a. Animal Diversity Web: Cnidaria - Corals, Sea Anemones, Jellyfish, and Relatives. Ann Arbor, MI: University of Michigan. <http://animaldiversity.org/accounts/Cnidaria/> Accessed July 15, 2015.
- Myers, P. 2001b. Animal Diversity Web: Insecta - Insects. Ann Arbor, MI: University of Michigan. <http://animaldiversity.org/accounts/Insecta> Accessed July 15, 2015.
- Myers, P. 2001c. Animal Diversity Web: Porifera - Sponges. Ann Arbor, MI: University of Michigan. <http://animaldiversity.org/accounts/Porifera/> Accessed July 15, 2015.
- Myers, R. L. and J. J. Ewel (Eds). 1990. Ecosystems of Florida. 978-0813010229. Orlando (FL): University Press of Florida. <http://www.upf.com/book.asp?id=MYERSF90> Accessed July 15, 2015.
- Nalley, A. 2018. FWC announces winners of 2019 Lionfish Challenge. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC). <https://myfwc.com/news/all-news/lionfish-challenge/> Accessed April 1, 2019.
- Naumann, E. 1929. The Scope and Chief Problems of Regional Limnology. *International Review of Hydrobiology*; 22(1):423-444. 10.1002/iroh.19290220128. <http://dx.doi.org/10.1002/iroh.19290220128> Accessed July 15, 2015.
- Neff, J. M. and W. A. Burns. 1996. Estimation of Polycyclic Aromatic Hydrocarbon Concentrations in the Water Column Based on Tissue Residues in Mussels and Salmon: An Equilibrium Partitioning Approach. *Environmental Toxicology and Chemistry*; 15(12):10.1002/etc.5620151218. <http://dx.doi.org/10.1002/etc.5620151218> Accessed July 15, 2015.
- NEMESIS. 2014. Bill Number: National Exotic Marine and Estuarine Species Information System. Code(Code Edgewater, MD: Smithsonian Environmental Research Center (SERC). <http://invasions.si.edu/nemesis/index.jsp> Accessed July 15, 2015.
- Newbold, J. D. 1992. Cycles and Spirals of Nutrients. (In *The Rivers Handbook*. I. Hydrological and Ecological Principles). P. Calow and G. E. Petts (Eds). 978-0632028327. Oxford (England): Blackwell Science Publishers. 379-408. http://www.limnology.uni-muenster.de/etc/experieco/lit/respiration/newbold_1992.pdf Accessed July 15, 2015.
- Newman, W. A. and D. P. Abbott. 1980. Cirripedia: The Barnacles. (In *Intertidal Invertebrates of California*). R. H. Morris, D. P. Abbott and E. C. Haderlie (Eds). 978-0804710459. Stanford (CA): Stanford University Press. 504-535. <http://www.amazon.com/dp/0804710457> Accessed July 15, 2015.
- News4JAX. 2015. Local boys catch their own 'River Monster'. Jacksonville (FL): News4JAX. <http://www.news4jax.com/news/local-boys-catch-their-own-river-monster/29821620> Accessed July 15, 2015.
- NFLT. 2018. Land acquired by North Florida Land Trust along the Ortega River has been named for donors. Jacksonville (FL): North Florida Land Trust (NFLT). <http://www.northfloridalandtrust.org/pressreleases/> Accessed March 10, 2018.
- NIH. 2019. Human Microbiome Project. Bethesda (MD): National Institutes of Health (NIH). <https://commonfund.nih.gov/hmp/public> Accessed July 20, 2019.
- Nixon, S. W. 1995. Coastal Marine Eutrophication: A Definition, Social Causes, and Future Concerns. *Ophelia*; 41(1):199-219. 10.1080/00785236.1995.10422044. <http://www.tandfonline.com/doi/abs/10.1080/00785236.1995.10422044> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- NMFS. 1998. Recovery Plan for the Shortnose Sturgeon (*Acipenser brevirostrum*). Washington (DC): National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS). 104. http://www.nmfs.noaa.gov/pr/pdfs/recovery/sturgeon_shortnose.pdf Accessed July 15, 2015.
- NOAA. 2007a. Bill Number: National Center for Coastal Monitoring and Assessment: Monitoring Data - Benthic Surveillance. Code(Code National Oceanic and Atmospheric Administration (NOAA). http://ccma.nos.noaa.gov/about/coast/nsandt/benthic_surveillance.aspx Accessed July 15, 2015.
- NOAA. 2007b. Bill Number: National Center for Coastal Monitoring and Assessment: Monitoring Data - Mussel Watch. Code(Code National Oceanic and Atmospheric Administration (NOAA). <http://ccma.nos.noaa.gov/about/coast/nsandt/musselwatch.aspx> Accessed July 15, 2015.
- NOAA. 2008. Screening Quick Reference Tables. Seattle (WA): National Oceanic and Atmospheric Administration (NOAA), Office of Response and Restoration. OR&R Report 08-1: 34. <http://response.restoration.noaa.gov/sites/default/files/SQuiRTs.pdf> Accessed July 15, 2015.
- NOAA. 2013. Download Environmental Sensitivity Index (ESI) Maps and GIS Data. Washington (DC): National Oceanic and Atmospheric Administration (NOAA), Office of Response and Restoration. <http://response.restoration.noaa.gov/maps-and-spatial-data/download-esi-maps-and-gis-data.html - Florida> Accessed July 1, 2014.
- NOAA. 2018. National Hurricane Center Tropical Cyclone Report: Hurricane Irma. Washington (DC): National Oceanic and Atmospheric Administration (NOAA). https://www.nhc.noaa.gov/data/tcr/AL112017_Irma.pdf Accessed July 12, 2019.
- NOAA. 2019. 2018 Atlantic Hurricane Season. Miami (FL): National Oceanic and Atmospheric Administration (NOAA), National Hurricane Center. <https://www.nhc.noaa.gov/data/tcr/index.php?season=2018&basin=atl> Accessed May 13, 2019.
- NOAA. 2020. PORTS® (Physical Oceanographic Real-Time System). Washington (DC): National Oceanic and Atmospheric Administration (NOAA). <https://tidesandcurrents.noaa.gov/ports.html> Accessed March 3, 2019.
- Novitski, R. P. 1985. The Effects of Lakes and Wetlands on Flood Flows and Base Flows in Selected Northern and Eastern States. Wetlands Of The Chesapeake, Easton (MD): Environmental Law Institute. Accessed July 15, 2015.
- NRC. 1995. Title. (Eds). ISBN: 978-0309083973. Washington (DC): National Academies Press (NAP), National Research Council (NRC). <http://www.nap.edu/catalog/4923/understanding-marine-biodiversity> Accessed July 15, 2015.
- NRC. 1996. Title. (Eds). ISBN: 978-0309055376. Washington (DC): National Academies Press, National Research Council (NRC). <http://www.nap.edu/catalog/5294/stemming-the-tide-controlling-introductions-of-nonindigenous-species-by-ships> Accessed July 15, 2015.
- NRC. 2000. Title. (Eds). ISBN: 978-0309069489. Washington (DC): National Academies Press, National Research Council (NRC). <http://www.nap.edu/catalog/9812/clean-coastal-waters-understanding-and-reducing-the-effects-of-nutrient> Accessed July 15, 2015.
- NRC. 2001. Title. (Eds). ISBN: 978-0309074322. Washington (DC): National Academies Press (NAP), National Research Council (NRC). <http://www.nap.edu/catalog/10134/compensating-for-wetland-losses-under-the-clean-water-act> Accessed July 15, 2015.
- NRC. 2002. Title. (Eds). ISBN: 978-0309082648. Washington (DC): National Academies Press (NAP), National Research Council (NRC). <http://www.nap.edu/catalog/10259/predicting-invasions-of-nonindigenous-plants-and-plant-pests> Accessed July 15, 2015.
- NRC. 2010. Review of the St. Johns River Water Supply Impact Study: Report 3 (2010). Washington (DC): National Academies Press (NAP), National Research Council (NRC). <https://www.nap.edu/read/13052/chapter/1> Accessed April 12, 2018.
- NRC. 2011. Title. (Eds). ISBN: 978-0309225670. Washington (DC): National Academies Press (NAP), National Research Council (NRC). <http://www.nap.edu/catalog/13314/review-of-the-st-johns-river-water-supply-impact-study> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

NRC. 2012. Review of the St. Johns River Water Supply Impact Study: Final Report. Washington (DC): National Academis Press (NAP), National Research Council (NRC). Accessed July 17, 2017.

Nriagu, J. O. 1980. Global Cycle and Properties of Nickel. (In Nickel in the Environment). (Eds). ISBN: 9780471058854. New York (NY): Wiley Interscience. 1-26. <http://www.amazon.com/dp/0471058858> Accessed July 15, 2015.

O'Connor, T. P. and G. G. Lauenstein. 2006. Trends in Chemical Concentrations in Mussels and Oysters Collected Along the U.S. Coast: Update to 2003. Marine Environmental Research; 62:4. 10.1016/j.marenvres.2006.04.067. <http://dx.doi.org/10.1016/j.marenvres.2006.04.067> Accessed July 15, 2015.

Ouyang, Y., J. C. Higman and J. Hatten. 2012. Estimation of Dynamic Load of Mercury in a River with BASINS-HSPF Model. Journal of Soils and Sediments; 12(2):207-216. 10.1007/s11368-011-0426-4. <http://dx.doi.org/10.1007/s11368-011-0426-4> Accessed July 15, 2015.

Ouyang, Y., P. Nkedi-Kizza, Q. T. Wu, D. Shinde and C. H. Huang. 2006. Assessment of Seasonal Variations in Surface Water Quality. Water Research; 40(20):10.1016/j.watres.2006.08.030. <http://dx.doi.org/10.1016/j.watres.2006.08.030> Accessed July 15, 2015.

Ouyang, Y., J. E. Zhang and L. Cui. 2014. Estimating Impacts of Land Use on Groundwater Quality Using Trilinear Analysis. Environmental Monitoring and Assessment; 186(9):5353-5362. 10.1007/s10661-014-3784-8. <http://dx.doi.org/10.1007/s10661-014-3784-8> Accessed July 15, 2015.

Pane, E. F., J. G. Richards and C. M. Wood. 2003. Acute Waterborne Nickel Toxicity in the Rainbow Trout (*Oncorhynchus mykiss*) Occurs by a Respiratory Rather Than Ionoregulatory Mechanism. Aquatic Toxicology; 63(1):10.1016/S0166-445X(02)00131-5. <http://dx.doi.org/10.1016/S0166-445X%2802%2900131-5> Accessed July 15, 2015.

Patterson, S. 2013. Riverkeeper: Stay Away from the St. Johns. Jacksonville (FL): Florida Times Union. <http://jacksonville.com/news/premium-news/2013-10-09/story/st-john-river-tests-show-algae-toxins-far-above-un-standards> Accessed July 15, 2015.

Patterson, S. 2018a. Is algae at head of St. Johns River tied to sludge? . Jacksonville (FL): Florida Times Union. <https://www.jacksonville.com/news/20180715/is-algae-at-head-of-st-johns-river-tied-to-sludge> Accessed May 13, 2020.

Patterson, S. 2018b. With drainage problems rising, Jacksonville plans panel on flooding sea level. Jacksonville (FL): The Florida Times Union, Jacksonville.com. <https://www.jacksonville.com/news/20181228/with-drainage-problems-rising-jacksonville-plans-panel-on-flooding-sea-level> Accessed April 1, 2019.

Patterson, S. 2019a. Bills to Cut Water Pollution From Sludge Moving in Florida Legislature. Jacksonville (FL): The Florida Times Union. <https://www.jacksonville.com/news/20190412/bills-to-cut-water-pollution-from-sludge-moving-in-florida-legislature> Accessed May 18, 2019.

Patterson, S. 2019b. DeSantis budget fueling hopes for First Coast water-cleaning projects. Jacksonville (FL): Jacksonville.com. <https://www.jacksonville.com/news/20190201/desantis-budget-fueling-hopes-for-first-coast-water-cleaning-projects> Accessed April 1, 2019.

Pazos, R. S., T. Maiztegui, D. C. Colautti, A. H. Paracampo and N. Gomez. 2017. Microplastics in gut contents of coastal freshwater fish from Río de la Plata estuary. Mar Pollut Bull; 122:85-90. Accessed April 1, 2020.

Pearson, T. H. and R. Rosenberg. 1978. Macrobenthic Succession in Relation to Organic Enrichment and Pollution of The Marine Environment. (In Oceanography and Marine Biology. An Annual Review). (Eds). Boca Raton (FL): CRC Press. 229-311. <http://www.researchgate.net/publication/243785865> Accessed July 15, 2015.

Perkins, T. 2019. Biosolids: mix human waste with toxic chemicals, then spread on crops. New York (NY): The Guardian. <https://www.theguardian.com/environment/2019/oct/05/biosolids-toxic-chemicals-pollution> Accessed May 13, 2020.

Petroff, R., A. Hendrix, S. An, M. Anderson, Y. Jo, J. Lim, J. C. Falman, B. Duncan and E. M. Faustman. 2019. A call to include indirect effects of marine microplastics in human health risk assessments. Integr Environ Assess Manag; 15:820-821. Accessed April 1, 2020.

Phillips, B. M., B. S. Anderson, J. P. Voorhees, J. W. Hunt, R. W. Holmes, A. Mekebri, V. Connor and R. S. Tjeerdema. 2010. The Contribution of Pyrethroid Pesticides to Sediment Toxicity in Four Urban Creeks in California, USA. Journal of Pesticide Science; 35(3):10.1584/jpestics.G10-34. <http://dx.doi.org/10.1584/jpestics.G10-34> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Phlips, E. J., E. Bledsoe, M. Cichra, S. Badylak and J. Frost. 2002. The Distribution of Potentially Toxic Cyanobacteria in Florida. Proceedings of Health Effects of Exposure to Cyanobacteria Toxins: State of the Science, Sarasota (FL): Mote Marine Laboratory. <https://sjrda.unf.edu/items/view/sjrda:493> Accessed July 15, 2015.
- Phlips, E. J., M. Cichra, F. J. Aldridge, J. Jembeck, J. Hendrickson and R. W. Brody. 2000. Light Availability and Variations in Phytoplankton Standing Crops in a Nutrient-rich Blackwater River. Limnology and Oceanography; 45(4):916-929. 10.4319/lo.2000.45.4.0916. http://www.aslo.org/lo/pdf/vol_45/issue_4/0916.pdf Accessed July 15, 2015.
- Phlips, E. J., J. Hendrickson, E. L. Quinlan and M. Cichra. 2007. Meteorological Influences on Algal Bloom Potential in a Nutrient-rich Blackwater River. Freshwater Biology; 52(11):2141-2155. 10.1111/j.1365-2427.2007.01844.x. <http://dx.doi.org/10.1111/j.1365-2427.2007.01844.x> Accessed July 15, 2015.
- Piehler, M. F., J. Dyble, P. H. Moisander, A. D. Chapman, J. Hendrickson and H. W. Paerl. 2009. Interactions Between Nitrogen Dynamics and Phytoplankton Community in Lake George. Lake and Reservoir Management; 25(1):1-14. 10.1080/07438140802714288. <http://dx.doi.org/10.1080/07438140802714288> Accessed July 15, 2015.
- Pierce, R. H., L. K. Dixon, R. C. Brown and G. Rodrick. 1988. Characterization of Baseline Conditions of the Physical, Chemical and Microbiological Environments in the St. Johns River Estuary. Sarasota (FL): Mote Marine Laboratory. Technical Report 128, DEP Contract SP132: 110. <https://dspace.mote.org:8443/dspace/bitstream/2075/23/1/128.pdf> Accessed July 15, 2015.
- Pinkerton, M. G., S. M. Thompson, N. A. Casuso, A. C. Hodges and N. C. Leppla. 2019. Engaging Florida's Youth to Increase Their Knowledge of Invasive Species and Plant Biosecurity. Journal of Integrated Pest Management; 10(1):1-7. 10.1093/jipm/pmy019. https://www.researchgate.net/publication/331769500_Engaging_Florida's_Youth_to_Increase_Their_Knowledge_of_Invasive_Species_and_Plant_Biosecurity Accessed April 1, 2020.
- Power, A., M. A. Mitchell, R. Walker, M. Posey, T. Alphin and C. Belcher. 2006. Baseline Port Surveys for Introduced Marine Molluskan, Crustacean and Polychaete Species in the South Atlantic Bight. Savannah (GA): University of Georgia (UGA), Georgia Sea Grant. R/HAB-15: 301. http://georgiaseagrant.uga.edu/images/uploads/media/Port_Survey.pdf Accessed July 15, 2015.
- PSSOP. 2015. Project-Specified Standard Operating Procedures for Submerged Aquatic Vegetation Sampling in the Lower St. Johns River Basin. Jacksonville (FL): N/A. <http://bit.ly/2YkTFpg> Accessed May 2, 2020.
- Purdum, E. D. 2002. Florida Waters: A Water Resources Manual from Florida's Water Management Districts. Palatka (FL): St. Johns River Water Management District (SJRWMD). 120. <http://www.swfwmd.state.fl.us/publications/files/floridawaters.pdf> Accessed July 15, 2015.
- Rahman, F. A., D. L. Allan, C. J. Rosen and M. J. Sadowsky. 2004. Arsenic Availability From Chromated Copper Arsenate (CCA)-Treated Wood. Journal of Environmental Quality; 33(1):10.2134/jeq2004.1730. <http://dx.doi.org/10.2134/jeq2004.1730> Accessed July 15, 2015.
- Rao, D. V., S. A. Jenab and D. A. Clapp. 1989. Rainfall Analysis of Northeast Florida. Part III: Seasonal Rainfall Data. Palatka (FL): St. Johns River Water Management District (SJRWMD). Technical Publication SJ 89-1: 120. <http://floridaswater.com/technicalreports/pdfs/TP/SJ89-1.pdf> Accessed July 15, 2015.
- Rauschenberger, R. H., M. S. Sepúlveda, J. J. Wiebe, N. J. Szabo and T. S. Gross. 2004. Predicting Maternal Body Burdens of Organochlorine Pesticides from Eggs and Evidence of Maternal Transfer in *Alligator mississippiensis*. Environmental Toxicology and Chemistry; 23(12):10.1897/03-584.1. <http://dx.doi.org/10.1897/03-584.1> Accessed July 15, 2015.
- Rawlings, T. A., K. A. Hayes, R. H. Cowie and T. M. Collins. 2007. The Identity, Distribution, and Impacts of Non-native Apple Snails in the Continental United States. BMC Evolutionary Biology; 7(1):97-98. 10.1186/1471-2148-7-97. <http://dx.doi.org/10.1186/1471-2148-7-97> Accessed July 15, 2015.
- Reichert, A. J. and G. B. Jones. 1994. Trace Metals as Tracers of Dredging Activity in Cleveland Bay - Field and Laboratory Studies. Australian Journal of Marine and Freshwater Research; 45(7):10.1071/MF9941237. <http://dx.doi.org/10.1071/MF9941237> Accessed July 15, 2015.
- Reid, J. P., R. K. Bonde and T. J. O'Shea. 1995. Reproduction and Mortality of Radio-Tagged and Recognizable Manatees on the Atlantic Coast of Florida. (In Population Biology of the Florida Manatee (*Trichechus manatus latirostris*)). T. J. O'Shea, B. B. Ackerman and H. F. Percival (Eds). Washington (DC): National Biological Service (NBS). 171-191. <https://www.fort.usgs.gov/sites/default/files/products/publications/2364/2364.pdf> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Reiss, K. C. 2006. Florida Wetland Condition Index for Depressional Forested Wetlands. Ecological Indicators; 6(2):337-352. 10.1016/j.ecolind.2005.03.013. <http://dx.doi.org/10.1016/j.ecolind.2005.03.013> Accessed July 15, 2015.
- Reiss, K. C. and M. T. Brown. 2007. Evaluation of Florida Palustrine Wetlands: Application of USEPA Levels 1, 2, and 3 Assessment Methods. EcoHealth; 4(2):206-218. 10.1007/s10393-007-0107-3. <http://dx.doi.org/10.1007/s10393-007-0107-3> Accessed July 15, 2015.
- Reiss, K. C., E. Hernandez and M. T. Brown. 2007. An Evaluation of the Effectiveness of Mitigation Banking in Florida: Ecological Success and Compliance with Permit Criteria. Tallahassee (FL): University of Florida, H.T. Odum Center for Wetlands. 162. http://www.dep.state.fl.us/water/wetlands/docs/mitigation/Final_Report.pdf Accessed July 15, 2015.
- Reiss, K. C., E. Hernandez and M. T. Brown. 2009. Evaluation of Permit Success in Wetland Mitigation Banking: A Florida Case Study. Wetlands; 29(3):907-918. 10.1672/08-148.1. <http://dx.doi.org/10.1672/08-148.1> Accessed July 15, 2015.
- Reiss, K. C., E. Hernandez and M. T. Brown. 2014. Application of the Landscape Development Intensity (LDI) Index in Wetland Mitigation Banking. Ecological Modelling; 271(10):83-89. 10.1016/j.ecolmodel.2013.04.017. <http://dx.doi.org/10.1016/j.ecolmodel.2013.04.017> Accessed July 15, 2015.
- Rhew, K. 2009a. Final TMDL Report: Dissolved Oxygen TMDL for Smith Canal (WBID 2962). Tallahassee (FL): Florida Department of Environmental Protection (DEP). https://floridadep.gov/sites/default/files/dotmdl_smithcanal.pdf Accessed August 1, 2019.
- Rhew, K. 2009b. Final TMDL Report: Fecal Coliform TMDL for Little Black Creek (WBID 2368), Peters Creek (WBID 2444), and Greene Creek (WBID 2478). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 49. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/fecaltmdl_2368_2444_2478.pdf Accessed July 15, 2015.
- Rhew, K. 2009c. Final TMDL Report: Fecal Coliform TMDL for Mill Creek (WBID 2460). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 41. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/fecaltmdl_millcreek.pdf Accessed July 15, 2015.
- Rhew, K. 2009d. Final TMDL Report: Fecal Coliform TMDL for Pottsburg Creek (WBID 2265B) and Julington Creek (WBID 2351). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 45. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/fecaltmdl_2265b_2351.pdf Accessed July 15, 2015.
- Rhew, K. 2009e. Final TMDL Report: Fecal Coliform TMDL for Strawberry Creek (WBID 2239). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 41. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/fecaltmdl_strawberryc.pdf Accessed July 15, 2015.
- Rhew, K. 2009f. Final TMDL Report: Fecal Coliform TMDL for the Ortega River (WBID 2213P). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 41. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/fecaltmdl_ortegarive.pdf Accessed July 15, 2015.
- Rich-Zeisler, J. and K. Kingon. 2009. Final TMDL Report: Fecal Coliform TMDL for McCoy Creek, WBID 2257. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 83. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/mcoycreekfecalfinal.pdf> Accessed July 15, 2015.
- Rios, L. M., C. Moore and P. R. Jones. 2007. Persistent organic pollutants carried by synthetic polymers in the ocean environment. Mar Pollut Bull; 54:1230-1237. Accessed April 1, 2020.
- Rivers, B. 2018. Tons Of South Florida Sewage Finds Its Way Into St. Johns River To ‘Devastating Effect’. Jacksonville (FL): WJCT. <https://news.wjct.org/post/tons-south-florida-sewage-finds-its-way-st-johns-river-devastating-effect> Accessed July 21, 2019.
- Rochman, C. M. and C. Brookson. 2019. Rethinking microplastics as a diverse contaminant suite. Environmental Toxicology and Chemistry; 38:703-711. Accessed April 1, 2020.
- Rodgers Jr, J. A., M. Barrett and R. S. Butrym. 2010. Productivity and Habitat Modeling of Wood Storks *Mysteria Americana* Nesting in North and Central Florida. Final Performance Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 21. <https://sjrda.unf.edu/items/view/sjrda:499> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Rodgers Jr, J. A., S. T. Schwikert, G. A. Griffin and D. Bear-Hull. 2008a. Productivity of Wood Storks *Mycteria Americana* within the St. Johns River Water Management District of North and Central Florida. Annual Report. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 9292 267 2161: 11. <https://sjrda.unf.edu/items/view/sjrda:498> Accessed July 15, 2015.
- Rodgers Jr, J. A., S. T. Schwikert, G. A. Griffin, W. B. Brooks, D. Bear-Hull, P. M. Elliott, K. J. Ebersol and J. Morris. 2008b. Productivity of Wood Storks (*Mycteria americana*) in North and Central Florida. *Waterbirds*; 31(SP1):25-34. 10.1675/1524-4695(2008)31[25:POWSMA]2.0.CO;2. <http://www.bioone.org/doi/abs/10.1675/1524-4695%282008%2931%5B25%3APOWSMA%5D2.0.CO%3B2> Accessed July 15, 2015.
- Rodgers Jr., J. A. 2011. *Personal Communication* to G. Pinto.
- Ross, M. 2020. *Personal Communication* to G. Pinto.
- Rossi, A. M., D. C. Moon, D. Casamatta, K. Smith, C. Bentzien, J. McGregor, A. Norwich, E. Perkerson, R. Perkerson, J. Savinon, K. Stokes and D. Doeberfuhl. 2010. Pilot Study on the Effects of Partially Restored Riparian Plant Communities on Habitat Quality and Biodiversity along First-Order Tributaries of the Lower St. Johns River. *Journal of Water Resource and Protection*; 2(9):771-782. 10.4236/jwarp.2010.29090. <http://dx.doi.org/10.4236/jwarp.2010.29090> Accessed July 15, 2015.
- Ruckelshaus, M. H. and C. G. Hays. 1997. Chapter 6. Conservation and Management of Species in the Sea. (In *Conservation Biology: For the Coming Decade*). F. P. L. and P. M. e. Kareiva (Eds). ISBN: 978-0412096617. New York (NY): Springer-Verlag. 112-156. <http://www.springer.com/environment/nature+conservation+-+biodiversity/book/978-0-412-09661-7> Accessed July 15, 2015.
- Ruhl, J. B. and J. Salzman. 2006. The Effects of Wetland Mitigation on People. *National Wetlands Newsletter*; 28(2):7-13. http://papers.ssrn.com/sol3/papers.cfm?abstract_id=878331 Accessed July 15, 2015.
- Ruhl, J. B., J. Salzman and I. Goodman. 2008. Implementing the New Ecosystem Services Mandate of the Section 404 Compensatory Mitigation Program: A Catalyst for Advancing Science and Policy. *Stetson Law Review*; 38(2):251-272. <http://ssrn.com/abstract=1281048> Accessed July 15, 2015.
- Rummel, C. D., M. L€oder, N. F. Fricke, T. Lang, E. M. Griebeler, M. Janke and G. Gerdts. 2016. Plastic ingestion by pelagic and demersal fish from the North Sea and Baltic Sea. *Mar Pollut Bull*; 102:134-141. Accessed April 1, 2020.
- Runge, M. C., C. A. Langtimm and W. L. Kendall. 2004. A Stage-Based Model of Manatee Population Dynamics. *Marine Mammal Science*; 20(3):361-385. 10.1111/j.1748-7692.2004.tb01167.x. <http://dx.doi.org/10.1111/j.1748-7692.2004.tb01167.x> Accessed July 15, 2015.
- Sagan, J. J. 2004. SAV Bed Architecture: Water Depth Distribution and Cover of *Najas guadalupensis*, *Ruppia maritime*, and *Vallisneria americana*. Palatka (FL): St. Johns River Water Management District (SJRWMD). Final Report SG425RA: 34. <https://sjrda.unf.edu/items/view/sjrda:504> Accessed July 15, 2015.
- Sagan, J. J. 2006. A Reanalysis of Data Related to Submerged Aquatic Vegetation Within the Lower St. Johns River: 1996-2005. Palatka (FL): St. Johns River Water Management District (SJRWMD). Contract No. SG425RA: 36. <https://sjrda.unf.edu/items/view/sjrda:505> Accessed July 15, 2015.
- Sagan, J. J. 2007. SAV Monitoring Project: Interim Reports I-IV and Draft Annual Status Reports. Interim Reports Associated with Quarterly Sampling and Groundtruth Surveys for the St. Johns River Water Management District (SJRWMD). Palatka (FL): St. Johns River Water Management District (SJRWMD). 22. <https://sjrda.unf.edu/items/view/sjrda:506> Accessed July 15, 2015.
- Sagan, J. J. 2010. *Personal Communication* to G. Pinto.
- Salzman, J. and J. B. Ruhl. 2005. 'No Net-Loss' - Instrument Choice in Wetlands Protection. Durham (NC): Duke Law School Science, Technology and Innovation Research Paper Series. Technology & Innovation Paper No. 1: <http://ssrn.com/abstract=796771> Accessed July 15, 2015.
- Santillo, D., K. Miller and P. Johnstone. 2017. Microplastics as contaminants in commercially important seafood species. *Integr Environ Assess Manag*; 13:516-521. Accessed April 1, 2020.

LOWER SJR REPORT 2020 – REFERENCES

- Scarlato, P. D. 1993. A Review of Sediment Analysis, Management Techniques and Sediment Quality Data for the Lower St. Johns River Basin: Vol. 5. Palatka (FL): St. Johns River Water Management District (SJRWMD). SJ94-SP16: 371. <http://floridaswater.com/technicalreports/pdfs/SP/SJ94-SP16.pdf> Accessed July 15, 2015.
- SCCF. 2014. Chlorophyll-a. Sanibel, FL: Sanibel-Captiva Conservation Foundation. <http://recon.sccf.org/definitions/chlorophyll.shtml> Accessed July 15, 2015.
- Schafer, D. L. 2007. New World in a State of Nature; British Plantations and Farms on the St. Johns River, East Florida, 1763-1784. Jacksonville (FL): University of North Florida (UNF), Florida Online History. <http://www.unf.edu/floridahistoryonline/Plantations/> Accessed July 15, 2015.
- Scherer, C., N. Brennholt, G. Reifferscheid and M. Wagner. 2017. Feeding type and development drive the ingestion of microplastics by freshwater invertebrates. *Sci Rep*; 7:17006. Accessed April 1, 2020.
- Schropp, S. J. and H. L. Windom. 1988. A Guide to the Interpretation of Metal Concentrations in Estuarine Sediments. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 74. <http://www.dep.state.fl.us/water/monitoring/docs/seds/estuarine.pdf> Accessed July 15, 2015.
- Scott, C. 2003a. Shortnose Sturgeon (*Acipenser brevirostrum*). (In Endangered and Threatened Animals of Florida and Their Habitats). (Eds). ISBN: 978-0292705296. Austin (TX): University of Texas Press. 253-259. <http://utpress.utexas.edu/index.php/books/scoend> Accessed July 15, 2015.
- Scott, C. 2003b. Southern Bald Eagle (*Haliaeetus leucocephalus leucocephalus*). (In Endangered and Threatened Animals of Florida and Their Habitats). (Eds). ISBN: 978-0292705296. Austin (TX): University of Texas Press. 177-180. <http://utpress.utexas.edu/index.php/books/scoend> Accessed July 15, 2015.
- Scott, C. 2003c. Wood Stork (*Mycteria americana*). (In Endangered and Threatened Animals of Florida and Their Habitats). (Eds). ISBN: 978-0292705296. Austin (TX): University of Texas Press. 168-171. <http://utpress.utexas.edu/index.php/books/scoend> Accessed July 15, 2015.
- Scudder, B. C., L. C. Chasar, D. A. Wentz, N. J. Bauch, M. E. Brigham, P. W. Moran and D. P. Krabbenhoft. 2009. Mercury in Fish, Bed Sediment, and Water from Streams Across the United States, 1998-2005. Reston (VA): U.S. Geological Survey (USGS). Scientific Investigations Report 2009-5109: 74. <http://pubs.usgs.gov/sir/2009/5109/pdf/sir20095109.pdf> Accessed July 15, 2015.
- Segelson, C. 2018. FWC seeks input on invasive species rules. Tallahassee (FL): Florida Fish and Wildlife Conservation Commission (FWC). <https://myfwc.com/news/all-news/invasive-eo/> Accessed April 1, 2019
- Semeyn, D. J., C. C. Cush, K. M. Scolardi, J. Hebert, J. D. McBride, D. Grealish and J. E. Reynolds III. 2011. Aerial Surveys of Manatees (*Trichechus manatus*) in Lee County, Florida, Provide Insights Regarding Manatee Abundance and Real Time Information for Managers and Enforcement Officers. *Journal of Coastal Conservation*; 15(4):573-583. 10.1007/s11852-011-0146-3. <http://dx.doi.org/10.1007/s11852-011-0146-3> Accessed July 15, 2015.
- Semlitsch, R. D. and J. R. Bodie. 1998. Are Small, Isolated Wetlands Expendable? *Conservation Biology*; 12(5):1129-1133. 10.1046/j.1523-1739.1998.98166.x. <http://dx.doi.org/10.1046/j.1523-1739.1998.98166.x> Accessed July 15, 2015.
- Sepúlveda, M. S., W. E. Johnson, J. C. Higman, N. D. Denslow, T. R. Schoeb and T. S. Gross. 2002. An Evaluation of Biomarkers of Reproductive Function and Potential Contaminant Effects in Florida Largemouth Bass (*Micropterus salmoides floridanus*) Sampled from the St. Johns River. *Science of The Total Environment*; 289(1-3):10.1016/S0048-9697(01)01029-4. <http://www.sciencedirect.com/science/article/pii/S0048969701010294> Accessed July 15, 2015.
- Sepulveda, M. S., J. J. Wiebe, D. C. Honeyfield, H. R. Rauschenberger, J. P. Hinterkopf, W. E. Johnson and T. S. Gross. 2004. Organochlorine Pesticides and Thiamine in Eggs of Largemouth Bass and American Alligators and Their Relationship with Early Life-stage Mortality. *Journal of Wildlife Diseases*; 40(4):10.7589/0090-3558-40.4.782. <http://dx.doi.org/10.7589/0090-3558-40.4.782> Accessed July 15, 2015.
- Shabecoff, P. 1988. Most Sewage Plants Meeting Latest Goal of Clean Water Act. New York (NY): New York Times. <http://www.nytimes.com/1988/07/28/us/most-sewage-plants-meeting-latest-goal-of-clean-water-act.html> Accessed July 1, 2008.
- Shepard, J. P. 1994. Effects of Forest Management on Surface Water Quality in Wetland Forests. *Wetlands*; 14(1):18-26. 10.1007/BF03160618. <http://dx.doi.org/10.1007/BF03160618> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

Sherrington, C. 2016. Plastics in the marine environment. Bristol, UK: Eunomia. <https://www.eunomia.co.uk/reports-tools/plastics-in-the-marine-environment/> Accessed April 1, 2020.

Shyn, A., S. J. Chalk, K. Smith, N. L. Charnock and G. K. Bielmyer. 2012a. Zinc Distribution in the Organs of Adult *Fundulus heteroclitus* After Waterborne Zinc Exposure in Freshwater and Saltwater. Archives of Environmental Contamination and Toxicology; 63(4):544-553. 10.1007/s00244-012-9805-0. <http://dx.doi.org/10.1007/s00244-012-9805-0> Accessed July 15, 2015.

Shyn, A., S. J. Chalk, K. Smith, N. L. Charnock and G. K. Bielmyer. 2012b. Zinc Distribution in the Organs of Adult *Fundulus heteroclitus* After Waterborne Zinc Exposure in Freshwater and Saltwater. Archives of Environmental Contamination and Toxicology; 63(4):10.1007/s00244-012-9805-0. <http://dx.doi.org/10.1007/s00244-012-9805-0> Accessed July 15, 2015.

Simberloff, D., D. C. Schmitz and T. C. Brown (Eds). 1997. Strangers in Paradise: Impact and Management of Nonindigenous Species in Florida. 978-1559634298. Washington (DC): Island Press. http://works.bepress.com/daniel_simberloff/1/ Accessed July 15, 2015.

Sivonen, K. and G. Jones. 1999. Cyanobacterial Toxins. (In Toxic Cyanobacteria in Water. A Guide to their Public Health Consequences, Monitoring and Management). I. Chorus and J. Bartram (Eds). Bury St Edmunds, Suffolk, England: World Health Organization. http://www.who.int/water_sanitation_health/resourcesquality/toxicyanbact/en/ Accessed July 15, 2015.

SJRWMD. 2000. Upper St. Johns River Basin, Three Forks Marsh and Blue Cypress Conservation Areas, Brevard and Indian River Counties, Land Management Plan. Palatka (FL): St. Johns River Water Management District (SJRWMD). <https://sjrda.unf.edu/items/view/sjrda:515> Accessed July 15, 2015.

SJRWMD. 2005. Blue-Green Algae in Florida Waters: Effects on Water Quality. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://floridaswater.com/algae/bluegreen.html> Accessed July 15, 2015.

SJRWMD. 2007. Bill Number: Geographic Information Systems (GIS) Database: Wetland and Deep Water Habitat Map. Code(Code Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://secure.sjrwmd.com/disk3/wetlands/habitats/> Accessed July 15, 2015.

SJRWMD. 2008. Surface Water Improvement and Management (SWIM) Plan: Lower St. Johns River Basin. Palatka (FL): St. Johns River Water Management District (SJRWMD). 210. http://floridaswater.com/SWIMplans/2008_LSJRB_SWIM_Plan_Update.pdf Accessed July 15, 2015.

SJRWMD. 2010a. Florida Water Management History. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://floridaswater.com/history/index.html> Accessed July 15, 2015.

SJRWMD. 2010b. GIS Download Library. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://floridaswater.com/gisdevelopment/docs/themes.html> Accessed July 15, 2015.

SJRWMD. 2010c. SJRWMD Mitigation Banking. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://webapub.sjrwmd.com/agws10/mt/> Accessed July 15, 2015.

SJRWMD. 2010d. Watershed Facts: Cedar River. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://floridaswater.com/watershedfacts/factPages/20030083.html> Accessed July 15, 2015.

SJRWMD. 2012a. The St. Johns River Water Supply Impact Study. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://floridaswater.com/surfacewaterwithdrawals/impacts.html> Accessed July 15, 2015.

SJRWMD. 2012b. St. Johns River Water Supply Impact Study. Palatka (FL): St. Johns River Water Management District (SJRWMD). SJ2012-1: 814. <http://floridaswater.com/technicalreports/tpubs1.html> Accessed July 15, 2015.

SJRWMD. 2016a. One week after Matthew, SJRWMD looks back at impacts, forward to recovery. Palatka (FL): St. Johns River Water Management District (SJRWMD) <https://www.sjrwmd.com/2016/10/one-week-after-matthew-sjrwmd-looks-back-at-impacts-forward-to-recovery/> Accessed April 12, 2018.

SJRWMD. 2016b. Radar Rainfall Data. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://webapub.sjrwmd.com/agws10/hdsnew/map.html> Accessed April 1, 2016.

SJRWMD. 2016c. Regulatory Permit Search. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://webapub.sjrwmd.com/agws10/sjrwmdpermit/> Accessed March 10, 2017.

LOWER SJR REPORT 2020 – REFERENCES

- SJRWMD. 2017a. Geographic information system (GIS) development program. Palatka (FL): St. Johns River Water Management District (SJRWMD). <https://www.sjrwmd.com/data/gis/-natural-resources> Accessed March 10, 2018.
- SJRWMD. 2017b. Hurricane Irma spreads 2.2 trillion gallons of water across the district. Palatka (FL): St. Johns River Water Management District (SJRWMD). <https://www.sjrwmd.com/2017/10/hurricane-irma-spreads-2-2-trillion-gallons-of-water-across-the-district/> Accessed April 12, 2018.
- SJRWMD. 2017c. Hydrologic Data. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://webapub.sjrwmd.com/agws10/hdsnew/map.html> Accessed March 10, 2017.
- SJRWMD. 2017d. Regulatory Permit Search. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://webapub.sjrwmd.com/agws10/sjrwmdpermit/> Accessed March 10, 2018.
- SJRWMD. 2019a. Gizzard shad harvest reduces nutrient pollution in Lake George. Palatka (FL): St. Johns River Water Management District (SJRWMD). <https://www.sjrwmd.com/2019/08/gizzard-shad-harvest-reduces-nutrient-pollution-in-lake-george/> Accessed July 20, 2020.
- SJRWMD. 2019b. Regulatory Permit Search. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://webapub.sjrwmd.com/agws10/sjrwmdpermit/> Accessed April 1, 2020.
- SJRWMD. 2019c. St. Johns Algae Blooms. Palatka (FL): St. Johns River Water Management District (SJRWMD). Accessed April 30, 2019.
- SJRWMD. 2020a. COVID-19. Palatka (FL): St. Johns River Water Management District (SJRWMD). <https://www.sjrwmd.com/> Accessed July 14, 2020.
- SJRWMD. 2020b. District urges preparedness as forecast puts Florida in Dorian's path. Palatka (FL): St. Johns River Water Management District (SJRWMD). <https://www.sjrwmd.com/2019/08/florida-in-dorians-path/> Accessed July 20, 2020.
- SJRWMD. 2020c. Hydrologic Data. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://webapub.sjrwmd.com/agws10/hdsnew/map.html> Accessed April 10, 2020.
- SJRWMD. 2020d. Radar Rainfall Data. Palatka (FL): St. Johns River Water Management District (SJRWMD). <http://webapub.sjrwmd.com/agws10/radrain/> Accessed May 10, 2020.
- SJRWMD. 2020e. St. Johns River Water Management District. Palatka (FL): St. Johns River Water Management District (SJRWMD). <https://www.sjrwmd.com/waterways/st-johns-river/> Accessed July 16, 2020.
- SJRWMD. 2020f. St. Johns River Water Management District Consolidated Annual Report, March 1, 2020 Palatka (FL): St. Johns River Water Management District (SJRWMD). <https://www.sjrwmd.com/static/plans/2020-SJRWMD-Consolidated-Annual-Report.pdf> Accessed May 19, 2020.
- SJRWMD. 2020g. St. Johns River: Lower River Basin Map. Palatka (FL): St. Johns River Water Management District (SJRWMD). <https://www.sjrwmd.com/static/waterways/SJR-Lower-Basin-map.pdf> Accessed May 13, 2020.
- SLES. 1988. Chemical and Physical Characteristics of Water, Sediments and Sediment Elutriates for the Port of Jacksonville, Florida. Savannah (GA): Savannah Laboratories and Environmental Services (SLES), Inc. 54. <https://sjrda.unf.edu/items/view/sjrda:584> Accessed July 15, 2015.
- Smith, V. H. 1983. Low Nitrogen to Phosphorus Ratios Favor Dominance by Blue-Green Algae in Lake Phytoplankton. Science; 221(4611):669-671. 10.1126/science.221.4611.669. <http://dx.doi.org/10.1126/science.221.4611.669> Accessed July 15, 2015.
- Smolders, A. J. P., L. P. M. Lamers, E. C. H. E. T. Lucassen, G. Van der Velde and J. G. M. Roelofs. 2006. Internal Eutrophication: How It Works and What To Do About It – A Review. Chemistry and Ecology; 22(2):93-111. 10.1080/02757540600579730. <http://dx.doi.org/10.1080/02757540600579730> Accessed July 15, 2015.
- Song, Y. K., S. H. Hong, M. Jang, G. M. Han and W. J. Shim. 2015. Occurrence and distribution of microplastics in the sea surface microlayer in Jinhae Bay, South Korea. Arch Environ Contam Toxicol; 69:279-287. Accessed April 1, 2020.
- Sosa, E. R., J. H. Landsberg, C. M. Stephenson, A. B. Forstchen, M. W. Vandersea and R. W. Litaker. 2007. *Aphanomyces invadans* and Ulcerative Mycosis in Estuarine and Freshwater Fish in Florida. Journal of Aquatic Animal Health; 19(1):14-26. 10.1577/H06-012.1. <http://dx.doi.org/10.1577/H06-012.1> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Spear, K. 2018. Rare Florida Jewel, Blue Cypress Lake, Sickens With Pollution. Orlando (FL): Orlando Sentinel. <https://www.orlandosentinel.com/news/os-blue-cypress-sewage-pollution-20180405-story.html> Accessed May 18, 2019.
- Spinuzzi, S., K. Schneider, L. Walters, E. Nash, S. Wei and E. Hoffman. 2012. Tracking the Distribution of Non-native Marine Species, *Mytilus charruana*, *Perna viridis*, and *Megabalanus coccopoma*, Along the Southeastern United States Coastline. Orlando (FL): University of Central Florida. <http://biology.cos.ucf.edu/hoffman/wp-content/uploads/2013/09/Spinuzzi-et-al.-2013.pdf> Accessed July 15, 2015.
- SRR. 2012. State of the River Report for the Lower St. Johns River Basin, Florida: Water Quality, Fisheries, Aquatic Life, Contaminants, and Aquatic Toxicology 2012. Jacksonville (FL): University of North Florida (UNF), Jacksonville University (JU), and Valdosta State University (VSU). 262. <http://sjrreport.com/media/pdf/sjrreport2012.pdf> Accessed July 15, 2015.
- SRR. 2014. State of the River Report for the Lower St. Johns River Basin, Florida: Water Quality, Fisheries, Aquatic Life, and Contaminants 2014. Jacksonville (FL): University of North Florida (UNF), Jacksonville University (JU), and Valdosta State University (VSU). 311. <http://sjrreport.com/media/pdf/sjrreport2014.pdf> Accessed July 15, 2015.
- SRR. 2016. State of the River Report for the Lower St. Johns River Basin, Florida: Water Quality, Fisheries, Aquatic Life, Contaminants, and Aquatic Toxicology 2012. Jacksonville (FL): University of North Florida (UNF), Jacksonville University (JU), and Valdosta State University (VSU). <http://www.sjrreport.com/> Accessed March 17, 2017.
- SRR. 2018. State of the River Report for the Lower St. Johns River Basin, Florida: Water Quality, Fisheries, Aquatic Life, Contaminants, and Aquatic Toxicology 2012. Jacksonville (FL): University of North Florida (UNF), Jacksonville University (JU), and Valdosta State University (VSU). <http://sjrr.domains.unf.edu/> Accessed April 1, 2019.
- SRR. 2019. State of the River Report for the Lower St. Johns River Basin, Florida: Water Quality, Fisheries, Aquatic Life, Contaminants, and Aquatic Toxicology Jacksonville (FL): University of North Florida (UNF), Jacksonville University (JU), and Valdosta State University (VSU). <http://sjrr.domains.unf.edu/> Accessed April 1, 2020.
- St. Johns Riverkeeper. 2009. Central Florida's Thirst Threatens River. Jacksonville (FL): St. Johns Riverkeeper. <http://www.stjohnsriverkeeper.org/thirstthreatens.asp> Accessed July 15, 2015
- St. Johns Riverkeeper. 2013a. Alarming Levels of Algal Toxins in St. Johns. Jacksonville (FL): St. Johns Riverkeeper. <http://www.stjohnsriverkeeper.org/blog/alarming-levels-of-algal-toxins-in-st-johns/> Accessed July 15, 2015
- St. Johns Riverkeeper. 2013b. Pollution Solutions: Lasalle Bioswale Project. Jacksonville (FL): St. Johns Riverkeeper. <http://www.stjohnsriverkeeper.org/blog/lasalle-bioswale-project/> Accessed July 15, 2015
- St. Johns Riverkeeper. 2019. Chapter 62-640, F.A.C. Biosolids Rulemaking – St. Johns Riverkeeper Public Comments. Jacksonville (FL): St. Johns Riverkeeper. [http://publicfiles.dep.state.fl.us/dwrm/draftruledocs/62-640/comments/St.Johns%20River%20Keeper%20\(Lisa%20Rinaman\).pdf](http://publicfiles.dep.state.fl.us/dwrm/draftruledocs/62-640/comments/St.Johns%20River%20Keeper%20(Lisa%20Rinaman).pdf) Accessed July 20, 2020.
- Staletoovich, J. 2016. Environmental groups want Scott to veto water bill. Miami (FL): Miami Herald. <http://www.miamiherald.com/news/local/environment/article54961190.html> Accessed April 6, 2016.
- Stedman, S.-M. and T. E. Dahl. 2008. Status and Trends of Wetlands in the Coastal Watersheds of the Eastern United States 1998 to 2004. Washington (DC): U.S. Fish and Wildlife Service (USFWS). 32. <http://www.fws.gov/wetlands/Documents/Status-and-Trends-of-Wetlands-in-the-Coastal-Watersheds-of-the-Eastern-United-States-1998-to-2004.pdf> Accessed July 15, 2015.
- Steer, M., M. Cole, R. C. Thompson and P. K. Lindeque. 2017. Microplastic ingestion in fish larvae in the western English Channel. Environmental Pollution; 226:250-259. Accessed April 1, 2020.
- Steidinger, K. A., M. A. Burkew and R. M. Ingle. 1973. The Effects of *Gymnodinium breve* Toxin on Estuarine Animals. (In Marine Pharmacognosy: Action of Marine Toxins at the Cellular Level). D. F. Martin and G. M. Padilla (Eds). New York (NY): Academic Press. 179-202. <http://dx.doi.org/10.1016/B978-0-12-474550-6.50011-7> Accessed July 15, 2015.
- Steidinger, K. A., J. H. Landsberg, C. R. Tomas and J. W. Burns Jr. 1999. Harmful Algal Blooms in Florida. St. Petersburg (FL): Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI). 63. <http://myfwc.com/research/redtide/task-force/reports-presentations/white-paper/> Accessed July 15, 2015.
- Steinbrecher, P. 2008. Personal Communication to H. McCarthy.

LOWER SJR REPORT 2020 – REFERENCES

- Stepzinski, T. 2019. North Florida Land Trust marks record conservation year. Jacksonville (FL): The Florida Times Union, Jacksonville.com. <https://www.jacksonville.com/news/20180928/predator-treefrogs-venomous-lionfish-at-home-in-north-florida> Accessed April 1, 2019
- Stewart, I., A. A. Seawright, P. J. Schulter and G. R. Shaw. 2006. Primary Irritant and Delayed-Contact Hypersensitivity Reactions to the Freshwater Cyanobacterium *Cylindrospermopsis raciborskii* and its Associated Toxin Cylindrospermopsin. *BMC Dermatology*; 6(1):1-12. 10.1186/1471-5945-6-5. <http://dx.doi.org/10.1186/1471-5945-6-5> Accessed July 15, 2015.
- Stork, W. 1769. Title. (Eds). London (England): Nicoll and Jefferies. <http://www.amphilsoc.org/exhibits/nature/stork.htm> Accessed July 15, 2015.
- Stumm, W. and J. J. Morgan. 1996. Title. (Eds). ISBN: 978-0471511854. New York (NY): John Wiley & Sons. <http://www.wiley.com/WileyCDA/WileyTitle/productCd-0471511854.html> Accessed July 15, 2015.
- Sucsy, P. V. 2008. *Personal Communication* to G. Pinto.
- Sun, G., H. Riekerk and L. V. Kornhak. 2000. Ground-Water-Table Rise after Forest Harvesting on Cypress-Pine Flatwoods in Florida. *Wetlands*; 20(1):101-112. 10.1672/0277-5212(2000)020[0101:GWTRAF]2.0.CO;2. <http://link.springer.com/article/10.1672/0277-5212%282000%29020%5B0101%3AGWTRAF%5D2.0.CO%3B2> Accessed July 15, 2015.
- Sundt, P., P. E. Schulze and F. Syversen. 2014. Sources of microplastic pollution to the marine environment. Report M-321,2015. Project 1032. Oslo, Norway: Norwegian Environment Agency. Accessed April 1, 2020.
- Sussarellu, R., M. Suquet, Y. Thomas, C. Lambert, C. Fabiou, M. E. J. Pernet, N. Le Goc, V. Quillien, C. Mingant, Y. Epelboin, C. Corporeau, J. Guyomarch, J. Robbins, I. Paul-Pont, P. Soudant and A. Huvet. 2016. Oyster reproduction is affected by exposure to polystyrene microplastics. *Proc Natl Acad Sci USA*; 113(2430-2435. Accessed April 1, 2020.
- Swanson, C. 2016. *Personal Communication* to GP.
- Syberg, K., F. R. Khan, H. Selck, A. Palmqvist, G. T. Banta, J. Daley, L. Sano and M. B. Duhaime. 2015. Microplastics: Addressing ecological risk through lessons learned. *Environmental Toxicology and Chemistry*; 34:945-953. Accessed April 1, 2020.
- Tagatz, M. E. 1965. The Fishery for Blue Crabs in the St. Johns River, Florida, with Special Reference to Fluctuations in Yield Between 1961 and 1962. Washington (DC): U.S. Fish and Wildlife Service (FWS). 11. http://archive.org/download/specialscientifi501usfi/specialscientifi501usfi_bw.pdf Accessed July 15, 2015.
- Tagatz, M. E. 1968a. Biology of the Blue Crab, *Callinectes sapidus* Rathbun, in the St. Johns River, Florida. *Fishery Bulletin*; 67(1):17-33. <http://fishbull.noaa.gov/67-1/tagatz.pdf> Accessed July 15, 2015.
- Tagatz, M. E. 1968b. Fishes of the St. Johns River, Florida. *Quarterly Journal Florida Academy of Sciences*; 30(1):25-50. <http://ufdc.ufl.edu/UF00000193/00001> Accessed July 15, 2015.
- Tagatz, M. E. 1968c. Growth of Juvenile Blue Crabs, *Callinectes sapidus* Rathbun, in the St. Johns River, Florida. *Fishery Bulletin*; 67(2):281-288. <http://fishbull.noaa.gov/67-2/tagatz.pdf> Accessed July 15, 2015.
- Taylor. 2011. EFDC Salinity Modeling for Jacksonville Harbor GRRII Deepening Project Phase 1. Draft Report prepared for USACE Jacksonville District. Jacksonville (FL): Taylor Engineering, Inc. http://www.saj.usace.army.mil/Portals/44/docs/Planning/EnvironmentalBranch/EnvironmentalDocs/FINAL_Jacksonville Accessed June 14, 2016.
- Taylor. 2013a. Ecological Modeling for Jacksonville Harbor Deepening GRRII. Draft report prepared for USACE Jacksonville District. Jacksonville (FL): Taylor Engineering, Inc. http://www.saj.usace.army.mil/Portals/44/docs/Planning/EnvironmentalBranch/EnvironmentalDocs/FINAL_Jacksonville Accessed June 14, 2016.
- Taylor. 2013b. EFDC Hydrodynamic Modeling for Water Quality Model Input for the Jacksonville Harbor GRRII Deepening Project. Draft report prepared for USACE Jacksonville District. Jacksonville (FL): Taylor Engineering, Inc. http://www.saj.usace.army.mil/Portals/44/docs/Planning/EnvironmentalBranch/EnvironmentalDocs/FINAL_Jacksonville Accessed June 14, 2016.

LOWER SJR REPORT 2020 – REFERENCES

Taylor. 2013c. EFDC Salinity Modeling for Jacksonville Harbor GRII Deepening Project, Phase 2. Draft report prepared for USACE Jacksonville District. Jacksonville (FL): Taylor Engineering, Inc. http://www.saj.usace.army.mil/Portals/44/docs/Planning/EnvironmentalBranch/EnvironmentalDocs/FINAL_Jacksonville.pdf Accessed June 14, 2016.

Thayer, G. W., W. J. Kenworthy and M. S. Fonseca. 1984. The Ecology of Eelgrass Meadows of the Atlantic Coast: a Community Profile. Beaufort (NC): U.S. Fish and Wildlife Service (USFWS), Division of Biological Services. FWS/OBS-84/02: 165. <http://www.nwrc.usgs.gov/techrpt/84-02.pdf> Accessed July 15, 2015.

TheScienceOf. 2019. St. Johns River Algal Bloom April & May 2019: A Very Early Bloom (video). Jacksonville (FL): Jacksonville University. <https://www.youtube.com/watch?v=sWMmsxJRAe4&feature=youtu.be> Accessed July 20, 2019

Thunen, R. L. 2010. Archaeological Excavations at the Cedar Point West site in Jacksonville, Florida. Jacksonville (FL): University of North Florida Archaeology Laboratory. http://www.unf.edu/~rthunen/fieldwork09/Field_Photos.html Accessed July 15, 2015.

Toth, D. J. 1993. Lower St. Johns River Basin Reconnaissance – Hydrogeology. Palatka (FL): St. Johns River Water Management District (SJRWMD). St. Johns River Water Management District Technical Publication SJ93-7: <http://floridagroundwater.dep.state.fl.us/floridabasins/LowerStJohns.pdf> Accessed May 1, 2020.

Treadway, T. 2018. Biosolids Ban Encouraged by Treasure Coast Regional Planning Council. Stuart (FL): TC Palm. <https://www.tcpalm.com/story/news/local/indian-river-lagoon/health/2018/07/20/treasure-coast-regional-planning-council-encourages-biosolids-ban/797400002/> Accessed May 18, 2019.

Treadway, T. 2019. Class B Biosolids: DEP Discusses Water Pollution From Human Waste Spread on Farmland. Stuart (FL): TC Palm. <https://www.tcpalm.com/story/news/local/indian-river-lagoon/health/2019/01/23/biosolids/2642871002/> Accessed May 18, 2019.

Trent, T. 2020. *Personal Communication* to G. Pinto.

Trent, T., J. Hendrickson, C. Harris and C. Akers. 2019. Cyanotoxin occurrence in the lower St. Johns River estuary, 2005–2017. Palatka (FL): St. Johns River Water Management District (SJRWMD). Accessed August 1, 2020.

Turner, D. R., M. Whitfield and A. G. Dickson. 1981. The Equilibrium Speciation of Dissolved Components in Freshwater and Seawater at 25°C and 1 Atm Pressure. *Geochimica et Cosmochimica Acta*; 45:6. 10.1016/0016-7037(81)90115-0. <http://www.sciencedirect.com/science/article/pii/0016703781901150> Accessed July 15, 2015.

Turner, J. 2020. DeSantis Signs Bill on Cleaning up Waterways. Orlando (FL): Florida Realtors. <https://www.floridarealtors.org/news-media/news-articles/2020/07/desantis-signs-bills-cleaning-waterways/> Accessed July 19, 2020.

Twilley, R. R. and J. W. Barko. 1990. The Growth of Submersed Macrophytes Under Experimental Salinity and Light Conditions. *Estuaries and Coasts*; 13(3):311-321. 10.2307/1351922. <http://dx.doi.org/10.2307/1351922> Accessed July 15, 2015.

UCS. 2019. EPA Keeps Data Analysis on Stream and Wetland Protections in the Dark. Cambridge (MA): Union of Concerned Scientists (UCS). <https://www.ucsusa.org/center-science-and-democracy/attacks-on-science/epa-keeps-data-analysis-stream-and-wetland> Accessed April 1, 2019.

Udall, S. L. 1967. Native Fish and Wildlife: Endangered Species. *Federal Register*; 32(48):4001-4002. <http://digitalcommons.unl.edu/cgi/viewcontent.cgi?article=1051&context=endangeredspeciesbull> Accessed July 15, 2015.

USACE. 2008. Compensatory Mitigation for Losses of Aquatic Resources. *Federal Register*; 73(70):19594-19705. <http://www.gpo.gov/fdsys/pkg/FR-2007-04-13/pdf/07-1835.pdf> Accessed July 15, 2015.

USACE. 2012a. Hogan's Creek: Draft Detailed Project Report. Jacksonville (FL): U.S. Army Corps of Engineers (USACE), Jacksonville District. http://groundworkjacksonville.org/wp-content/uploads/2015/02/draft_hogan_creek_dpr_08_15_2012.pdf Accessed April 1, 2018.

LOWER SJR REPORT 2020 – REFERENCES

- USACE. 2012b. Invasive Species Control on the St. Johns River. Jacksonville (FL): U.S. Army Corps of Engineers (USACE), Jacksonville District. <http://www.saj.usace.army.mil/Missions/Environmental/InvasiveSpecies/OperationsSpraySchedules.aspx> Accessed July 15, 2015.
- USACE. 2014a. Jacksonville Harbor Navigational Study, Duval County, Florida: Final Integrated General Reevaluation Report II and Supplemental Environmental Impact Statement . Jacksonville (FL): U.S. Army Corps of Engineers (USACE), Jacksonville District. 37. <http://cdm16021.contentdm.oclc.org/cdm/ref/collection/p16021coll7/id/2118> Accessed June 14, 2016.
- USACE. 2014b. Jacksonville Harbor Navigational Study, Duval County, Florida: Final Integrated General Reevaluation Report II and Supplemental Environmental Impact Statement. Appendix E. USACOE. 2014. Jacksonville Harbor Navigational Study, Duval County, Florida: Final Integrated General Reevaluation. Jacksonville (FL): U.S. Army Corps of Engineers (USACE), Jacksonville District. 37. Accessed June 14, 2016.
- USACE. 2018. Supplemental Environmental Assessment and Finding of No Significant Impact. Jacksonville (FL): U.S. Army Corps of Engineers (USACE), Jacksonville District. <https://www.saj.usace.army.mil/Portals/44/docs/Planning/EnvironmentalBranch/EnvironmentalDocs/Duval/Jacksonville%20HarborFINALSEA%20and%20FONSI-508.pdf?ver=2018-01-03-165923-717/> Accessed July 17, 2020.
- USACE. 2020. Corps Awards Second Jacksonville Harbor Deepening Project. Jacksonville (FL): U.S. Army Corps of Engineers (USACE), Jacksonville District. <https://www.saj.usace.army.mil/Media/News-Releases/Article/1644652/corps-awards-second-jacksonville-harbor-deepening-project-contract> Accessed May 5, 2020.
- USCB. 2000. Population Statistics for Clay, Duval, Flagler, Putnam, and St. Johns County, Florida. Washington (DC): U.S. Census Bureau (USCB). <http://quickfacts.census.gov/qfd/states/12000lk.html> Accessed July 1, 2008.
- USCB. 2010. 2010 Census Interactive Population Search. Washington (DC): U.S. Census Bureau (USCB). <http://www.census.gov/2010census/popmap/ipmtext.php?fl=12> Accessed July 1, 2015.
- USDA. 2013. Bill Number: The PLANTS Database. Code Washington (DC): U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS). <http://plants.usda.gov/java/> Accessed July 15, 2015.
- USDOI and USDOC. 2008. 2006 National Survey of Fishing, Hunting, and Wildlife-Associated Recreation. Washington (DC): U.S. Department of the Interior (DOI) and U.S. Department of Commerce (DOC). 91. <http://www.census.gov/prod/2008pubs/fhw06-fl.pdf> Accessed July 15, 2015.
- USFWS. 2001. Florida Manatee Recovery Plan (*Trichechus manatus latirostris*), Third revision. Atlanta (GA): U.S. Fish and Wildlife Service (USFWS), Southeast Region. 144. <https://sjrda.unf.edu/items/forward/sjrda:535> Accessed July 15, 2015.
- USFWS. 2002. Wood Stork Report. Washington (DC): U.S. Fish and Wildlife Service (USFWS). Volume 1(1): 4. <https://sjrda.unf.edu/items/view/sjrda:536> Accessed July 15, 2015.
- USFWS. 2004. Wood Stork Report. Washington (DC): U.S. Fish and Wildlife Service (USFWS). Volume 3(1): 22. <https://sjrda.unf.edu/items/view/sjrda:537> Accessed July 15, 2015.
- USFWS. 2005. Wood Stork Report. Washington (DC): U.S. Fish and Wildlife Service (USFWS). Volume 4(1): 16. <https://sjrda.unf.edu/items/view/sjrda:538> Accessed July 15, 2015.
- USFWS. 2007a. Bald Eagle Soars off Endangered Species List. Washington (DC): U.S. Fish and Wildlife Service (USFWS). <http://www.fws.gov/news>ShowNews.cfm?ID=72A15E1E-F69D-06E2-5C7B052DB01FD002> Accessed July 1, 2008
- USFWS. 2007b. West Indian Manatee (*Trichechus Manatus*). 5-Year Review: Summary and Evaluation. Washington (DC): U.S. Fish and Wildlife Service (USFWS), North Florida Field Office. 79. <http://www.fws.gov/northflorida/Manatee/2007-5-yr%20Review/2007-Manatee-5-Year-Review-Final-color-signed.pdf> Accessed July 15, 2015.
- USFWS. 2007c. Wood Stork (*Mycteria americana*) 5-Year Review: Summary and Evaluation. Jacksonville (FL): U.S. Fish and Wildlife Service (USFWS), North Florida Field Office. 34. <http://www.fws.gov/northflorida/WoodStorks/2007-Review/2007-Wood-stork-5-yr-Review.pdf> Accessed July 15, 2015.
- USFWS. 2008a. Bald Eagle. Washington (DC): U.S. Fish and Wildlife Service (USFWS), Division of Migratory Bird Management. <http://www.fws.gov/migratorybirds/baldeagle.htm> Accessed July 1, 2008.

LOWER SJR REPORT 2020 – REFERENCES

- USFWS. 2008b. Bald Eagle Breeding Pairs 1990 - 2006. Washington (DC): U.S. Fish and Wildlife Service (USFWS), Midwest Region. http://www.fws.gov/midwest/eagle/population/nos_state_tbl.html Accessed July 15, 2015.
- USFWS. 2008c. Bald Eagle Management Guidelines and Conservation Measures. Washington (DC): U.S. Fish and Wildlife Service (USFWS), Midwest Region. <http://www.fws.gov/midwest/eagle/conservation/recreation.html> Accessed July 1, 2008.
- USFWS. 2008d. Species Profile: Bald Eagle (*Haliaeetus leucocephalus*). Washington (DC): U.S. Fish and Wildlife Service (USFWS), Environmental Conservation Online System (ECOS). <http://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B008> Accessed July 15, 2015.
- USFWS. 2016. Endangered and Threatened Wildlife and Plants; Reclassification of the U.S. Breeding Population of the Wood Stork from Endangered to Threatened. Washington (DC): U.S. Fish and Wildlife Service (USFWS). <https://www.federalregister.gov/articles/2014/06/30/2014-14761/endangered-and-threatened-wildlife-and-plants-reclassification-of-the-us-breeding-population-of-the> Accessed July 1, 2015.
- USFWS. 2018. Endangered Species. Jacksonville (FL): U.S. Fish and Wildlife Service (USFWS), North Florida Field Office. <https://www.fws.gov/endangered/species/index.html> Accessed March 10, 2018.
- USFWS. 2019. Listing Actions and Species Evaluation Requests. Washington (DC): U.S. Fish and Wildlife Service (USFWS). <https://myfwc.com/wildlifehabitats/wildlife/listing-actions/> Accessed April 1, 2020.
- USFWS. 2020a. Endangered Species. Jacksonville (FL): U.S. Fish and Wildlife Service (USFWS), North Florida Field Office. <https://www.fws.gov/endangered/species/index.html> Accessed May 8, 2020.
- USFWS. 2020b. Manatee Reclassified from Endangered to Threatened as Habitat Improves and Population Expands – Existing Federal Protections Remain in Place. Jacksonville (FL): U.S. Fish and Wildlife Service (USFWS), North Florida Field Office. <https://www.fws.gov/northflorida/manatee/manatees.htm> Accessed May 8, 2020.
- USFWS. 2020c. Bill Number: Southeast US Wood Stork Nesting Database. Code(Code Jacksonville (FL): U.S. Fish and Wildlife Service (USFWS), North Florida Field Office. <http://www.wec.ufl.edu/faculty/frederickp/woodstork/> Accessed May 1, 2020.
- USGS. 1992. Application of Satellite Data for Mapping and Monitoring Wetlands. Reston (VA): U.S. Geological Survey (USGS), Federal Geographic Data Committee (FGDC). Wetlands Subcommittee Technical Report I: <http://www.gpo.gov/fdsys/pkg/CZIC-ta595-5-u55-a66-1992/pdf/CZIC-ta595-5-u55-a66-1992.pdf> Accessed July 15, 2015.
- USGS. 2004. Aquatic Cycling of Mercury in the Everglades. Washington (DC): U.S. Geological Survey (USGS). http://sofia.usgs.gov/projects/index.php?project_url=evergl_merc Accessed July 15, 2015.
- USGS. 2015. Bill Number: Non-Indigenous Aquatic Species (NAS) Database. Code(Code Reston (VA): U.S. Geological Survey (USGS). <http://nas.er.usgs.gov/> Accessed July 15, 2015.
- USGS. 2019a. Current Conditions for Florida: Water Quality Reston (VA): U.S. Geological Survey (USGS). https://waterdata.usgs.gov/fl/nwis/current?type=qw&PARAmeter_cds=STATION_NM,DATETIME,00010,00011 Accessed April 29, 2019.
- USGS. 2019b. NAS - Nonindigenous Aquatic Species. Reston (VA): U.S. Geological Survey (USGS). <http://nas.er.usgs.gov/> Accessed April 1, 2020.
- UTAS. 2013. Peracarida. Hobart, Tasmania, Australia: University of Tasmania (UTAS), Institute for Marine and Antarctic Studies (IMAS). <http://www.imas.utas.edu.au/zooplankton/image-key/malacostraca/peracarida> Accessed July 15, 2015.
- Valiela, I. 1995. Title. (Eds). ISBN: 978-0387943213. New York (NY): Springer-Verlag. <http://www.springer.com/life+sci/ecology/book/978-0-387-94321-3> Accessed July 15, 2015.
- Van Wezel, A. P. and A. Opperhuizen. 1995. Narcosis Due to Environmental Pollutants in Aquatic Organisms: Residue-Based Toxicity, Mechanisms, an Membrane Burdens. Critical Reviews in Toxicology; 25(3):10.3109/10408449509089890. <http://dx.doi.org/10.3109/10408449509089890> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Verween, A., F. Kerckhof, M. Vincx and S. Degraer. 2006. First European Record of the Invasive Brackish Water Clam *Rangia cuneata* (G.B. Sowerby I, 1831) (Mollusca: Bivalvia). *Aquatic Invasions*; 1(4):198-203. 10.3391/ai.2006.1.4.1. http://www.aquaticinvasions.net/2006/AI_2006_1_4_Verween_et.al.pdf Accessed July 15, 2015.
- Volertsen, J. and A. Hansen. 2017. Microplastic in Danish wastewater: Sources, occurrences and fate. Environmental Project 1906. Copenhagen, Denmark: Danish Environmental Protection Agency. Accessed April 1, 2020.
- Volk, M. I., T. S. Hoctor, B. B. Nettles, R. Hilsenbeck, F. E. Putz and J. Oetting. 2017. Florida Land Use and Land Cover Change in the Past 100 Years. (In Florida's Climate: Changes, Variations, & Impacts). E. P. Chassignet, J. W. Jones, V. Misra and J. Obeysekera (Eds). 1979091048. Gainesville (FL): Florida Climate Institute. 51-82. <http://floridaclimatenestitute.org/docs/climatebook/Ch02-Volk.pdf> Accessed March 10, 2018.
- vom Saal, F. S. and C. Hughes. 2005. An extensive new literature concerning low-dose effects of bisphenol A shows the need for a new risk assessment. *Environ Health Perspect*; 113:926-933. Accessed April 1, 2020.
- Voulvoulis, N., M. D. Scrimshaw and J. N. Lester. 2000. Occurrence of Four Biocides Utilized in Antifouling Paints, as Alternatives to Organotin Compounds, in Waters and Sediments of a Commercial Estuary in the UK. *Marine Pollution Bulletin*; 40(11):10.1016/S0025-326X(00)00034-5. <http://www.sciencedirect.com/science/article/pii/S0025326X00000345> Accessed July 15, 2015.
- Wagner, M., C. Scherer, D. Alvarez-Munoz, N. Brennholt, X. Bourrain, S. Buchinger, E. Fries, C. Grosbois, J. Klasmeier, T. Marti, R.-M. S., R. Urbatzka, V. A.D., M. Winther-Nielsen and G. Reifferscheid. 2014. Microplastics in freshwater ecosystems: What we know and what we need to know. *Environ Sci Eur*; 26:1-9. Accessed April 1, 2020.
- Wagoner, J. K. 1983. Toxicity of vinyl chloride and poly(vinyl chloride): A critical review. *Environ Health Perspect*; 52:61-66. Accessed April 1, 2020.
- Wainwright, D. 2005a. TMDL Report: Fecal Coliform TMDL for Butcher Pen Creek, WBID 2322. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 64. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/butcher-pen-creek-fecal-tmdl.doc> Accessed July 15, 2015.
- Wainwright, D. 2005b. TMDL Report: Fecal Coliform TMDL for Goodbys Creek (WBID 2326). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 54. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/tmdl_document2326.pdf Accessed July 15, 2015.
- Wainwright, D. 2006a. TMDL Report: Fecal and Total Coliform TMDLs for the Ribault River (WBID 2224). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 80. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/tmdl_document2224.pdf Accessed July 15, 2015.
- Wainwright, D. 2006b. TMDL Report: Fecal Coliform and Total Coliform TMDL for Moncrief Creek (WBID 2228). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 78. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/tmdl_document2228.pdf Accessed July 15, 2015.
- Wainwright, D. 2006c. TMDL Report: Fecal Coliform and Total Coliform TMDL for Wills Branch (WBID 2282). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 67. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/tmdl_document2282.pdf Accessed July 15, 2015.
- Wainwright, D. 2006d. TMDL Report: Fecal Coliform TMDL for Hogan Creek (WBID 2252). Tallahassee (FL): Florida Department of Environmental Protection (DEP). 54. http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/tmdl_document2252.pdf Accessed July 15, 2015.
- Wainwright, D. and J. F. Hallas. 2009a. Final TMDL Report: Fecal Coliform TMDL for Big Fishweir Creek, WBID 2280. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 66. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/bigfishwircreekfecalfinal.pdf> Accessed July 15, 2015.
- Wainwright, D. and J. F. Hallas. 2009b. Final TMDL Report: Fecal Coliform TMDL for Open Creek, WBID 2299. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 54. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/opencreekfecalfinal.pdf> Accessed July 15, 2015.
- Wainwright, D. and J. F. Hallas. 2009c. Final TMDL Report: Fecal Coliform TMDLs for Trout River, WBIDs 2203A and 2203. Tallahassee (FL): Florida Department of Environmental Protection (DEP). 75. <http://www.dep.state.fl.us/water/tmdl/docs/tmdls/final/gp2/troutriverinfecal.pdf> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Wang, W.-X. and L. Guo. 2000. Bioavailability of Colloid-Bound Cd, Cr, and Zn to Marine Plankton. *Marine Ecology Progress Series*; 202(1):10.3354/meps202041. <http://dx.doi.org/10.3354/meps202041> Accessed July 15, 2015.
- Warren, C. 2005. Chapter 7: 'Nature's Navels' - An Overview of the Many Environmental Histories of Florida Citrus. (In *Paradise Lost? An Environmental History of Florida*). J. E. Davis and R. Arsenault (Eds). 978-0-813-02826-2. Gainesville (FL): University Press of Florida. 177-200. <http://www.upf.com/book.asp?id=DAVISF05> Accessed July 15, 2015.
- Watkins, B. 1992. Florida Governor's Nomination of the Lower St. Johns River Estuary to the National Estuary Program. Washington (DC): U.S. Environmental Protection Agency (EPA). 169. <https://sjrda.unf.edu/items/view/sjrda:555> Accessed July 15, 2015.
- Weber, A., C. Scherer, N. Brennholt, G. Reifferscheid and M. Wagner. 2018. PET microplastics do not negatively affect the survival, development, metabolism and feeding activity of the freshwater invertebrate *Gammarus pulex*. *Environmental Pollution*; 234:181-189. Accessed April 1, 2020.
- Weinstein, J. E., B. K. Crocker and A. D. Gray. 2016. From macroplastic to microplastic: degradation of high-density polyethylene, polypropylene, and polystyrene in a salt marsh habitat. *Environmental Toxicology and Chemistry*; 35:1635-1640. Accessed April 1, 2020.
- Weiss, R. F. 1970. The Solubility of Nitrogen, Oxygen, and Argon in Water and Seawater. *Deep Sea Research*; 17(4):10.1016/0011-7471(70)90037-9. <http://www.sciencedirect.com/science/article/pii/0011747170900379> Accessed July 15, 2015.
- Welsh, P. 2008. *Personal Communication* to H. McCarthy.
- Weston, N. B. 2014. Declining Sediments and Rising Seas: an Unfortunate Convergence for Tidal Wetlands. *Estuaries and Coasts*; 37(1):1-23. 10.1007/s12237-013-9654-8. <http://dx.doi.org/10.1007/s12237-013-9654-8> Accessed July 15, 2015.
- Wetzel, R. G. 1999. Biodiversity and Shifting Energetic Stability Within Freshwater Ecosystems. *Archiv für Hydrobiologie: Special Issues of Advanced Limnology*; 54(1):19-32. Accessed July 15, 2015.
- Wetzel, R. G. 2001. Chapter 9 - Oxygen. (In *Limnology: Lake and River Ecosystems*). (Eds). ISBN: 978-0127447605. San Diego (CA): Elsevier/Academic Press. 205-286. <http://www.elsevierdirect.com/product.jsp?isbn=9780127447605> Accessed July 15, 2015.
- Wetzel, R. G. and G. E. Likens. 2000. Title. (Eds). ISBN: 978-0387989280. New York (NY): Springer-Verlag. <http://www.springer.com/life+sci/ecology/book/978-0-387-98928-0> Accessed July 15, 2015.
- White, A. Q. and G. F. Pinto. 2006a. The Clay County Manatee Protection Plan. Green Cove Springs (FL): Clay County Board of Commissioners, Clay County Planning Department. 157. <http://www.claycountygov.com/home/showdocument?id=652> Accessed July 15, 2015.
- White, A. Q. and G. F. Pinto. 2006b. The Duval County Manatee Protection Plan. Jacksonville (FL): City of Jacksonville (COJ), Jacksonville Waterways Commission (JWC). 240. <http://www.coj.net/city-council/jacksonville-waterways-commission/jwc-mpp.aspx> Accessed July 15, 2015.
- White, A. Q. and G. F. Pinto. 2014. Annual Update on the Duval County Manatee Protection Plan. Jacksonville (FL): City of Jacksonville (COJ), Jacksonville Waterway Commission (JWC). 67. <http://www.coj.net/departments/planning-and-development/docs/community-planning-division/manatee/2014-08-14-final-jax-mpp-3rd.aspx> Accessed July 15, 2015.
- White, A. Q., G. F. Pinto and M. L. Luther. 2009. St. Johns River-In the Balance. Jacksonville (FL): City of Jacksonville (COJ), Environmental Protection Board (EPB). 91. Accessed July 15, 2015.
- White, A. Q., G. F. Pinto and A. P. Robison. 2002. Seasonal Distribution of Manatees, *Trichechus manatus latirostris*, in Duval County and Adjacent Waters, Northeast Florida. Florida Scientist; 65(3):208-221. <https://sjrda.unf.edu/items/view/sjrda:559> Accessed July 15, 2015.
- White, G. 2010. Title. (Eds). ISBN 10: 1-886104-44-1. Cocoa (FL): Florida Historical Society Press. Accessed April 26, 2019.
- White, Q. 2015a. River Life: Make a 'summer resolution' to explore the river. Jacksonville (FL): Florida Times Union. <https://www.jacksonville.com/article/20150528/NEWS/801246156> Accessed April 26, 2019.

LOWER SJR REPORT 2020 – REFERENCES

- White, Q. 2015b. River Life: The St. Johns River is a present itself. Jacksonville (FL): Florida Times Union. <https://www.jacksonville.com/article/20151224/NEWS/801259612> Accessed April 26, 2019.
- White, Q. 2017. River Life: Irma's incredible impact on St. Johns River. Jacksonville (FL): Florida Times Union. <https://www.jacksonville.com/news/metro/2017-11-23/river-life-irma-s-incredible-impact-st-johns-river> Accessed February 26, 2019.
- White, Q. 2018. River Life: Climate is changing, will impact our lives. Jacksonville (FL): Florida Times Union. <https://www.jacksonville.com/news/20181231/river-life-climate-is-changing-will-impact-our-lives> Accessed April 19, 2019.
- White, W. R. and T. L. Crisman. 2016. Headwater Streams of Florida: Types, Distributions and a Framework for Conservation. *River Research and Applications*; 32(3):452-461. 10.1002/rra.2845. <http://dx.doi.org/10.1002/rra.2845> Accessed July 15, 2015.
- WHO. 1991. Environmental Health Criteria No 118: Inorganic Mercury. Geneva (Switzerland): World Health Organization (WHO). <http://www.inchem.org/documents/ehc/ehc/ehc118.htm> Accessed July 15, 2015.
- WHO. 1995. Environmental Health Criteria No 165: Inorganic Lead. Geneva (Switzerland): World Health Organization (WHO). <http://www.inchem.org/documents/ehc/ehc/ehc165.htm> Accessed July 15, 2015.
- Widney, S., A. K. Klein, J. Ehman, C. Hackney and C. Craft. 2018. The value of wetlands for water quality improvement: an example from the St. Johns River watershed, Florida. *Wetlands ecology and management*; 26(3):265-276. <https://link.springer.com/article/10.1007/s11273-017-9569-4> Accessed April 1, 2020.
- Williams, C. D., M. T. Aubel, A. D. Chapman and P. E. D'Aiuto. 2007. Identification of Cyanobacterial Toxins in Florida's Freshwater Systems. *Lake and Reservoir Management*; 23(2):144-152. 10.1080/07438140709353917. <http://dx.doi.org/10.1080/07438140709353917> Accessed July 15, 2015.
- Williams, C. D., J. W. Burns, A. D. Chapman, L. Flewelling, M. Pawlowicz and W. Carmichael. 2001. Assessment of Cyanotoxins in Florida's Lakes, Reservoirs, and Rivers. Final Report. Palatka (FL): St. Johns River Water Management District (SJRWMD). 97. <https://sjrda.unf.edu/items/forward/sjrda:459> Accessed July 15, 2015.
- Williams, C. D., J. W. Burns, A. D. Chapman, M. Pawlowicz and W. Carmichael. 2006. Assessment of Cyanotoxins in Florida's Surface Waters and Associated Drinking Water Resources. Final Report. Palatka (FL): St. Johns River Water Management District (SJRWMD). 89. https://www.researchgate.net/publication/268058092_Assessment_of_Cyanotoxins_in_Florida%27s_Surface_Waters_and_Associated_Drinking_Water_Resources Accessed July 15, 2015.
- Woods, M. 2018. For Spring Break, he swam the St. Johns River. Jacksonville (FL): Florida Times Union. <https://www.jacksonville.com/news/20180327/mark-woods-for-spring-break-he-swam-st-johns-river> Accessed April 26, 2019.
- Woodwell, G. M., C. F. Wurster Jr. and P. A. Isaacson. 1967. DDT Residues in an East Coast Estuary: A Case of Biological Concentration of a Persistent Insecticide. *Science*; 156(3776):10.1126/science.156.3776.821. <http://dx.doi.org/10.1126/science.156.3776.821> Accessed July 15, 2015.
- WorldPopulationReview. 2019. 2019 World Population Review. Jacksonville (FL): World Population Review. <https://worldpopulationreview.com/us-cities/jacksonville-population/> Accessed April 1, 2020.
- Worth, J. E. and D. H. Thomas. 1995. Title. (Eds). ISBN: 978-0820317458. New York (NY): American Museum of Natural History. <http://hdl.handle.net/2246/270> Accessed July 15, 2015.
- Wright, R. T. and B. J. Nebel. 2008. Section 3.3 - The Cycling of Matter in Ecosystems. (In Environmental Science). R. T. Wright (Eds). ISBN: 978-0-132-30265-4. Upper Saddle River (NJ): Prentice Hall. 67-70. <http://www.pearsonhighered.com/academic/product?ISBN=0132302659> Accessed July 15, 2015.
- Wright, S. L., R. C. Thompson and T. S. Galloway. 2013. The physical impacts of microplastics on marine organisms: A review. *Environmental Pollution*; 178:483-492. Accessed April 1, 2020.
- Zlotkin, E. 1999. The Insect Voltage-Gated Sodium Channel as Target of Insecticides. *Annual Review of Entomology*; 44:10.1146/annurev.ento.44.1.429. <http://dx.doi.org/10.1146/annurev.ento.44.1.429> Accessed July 15, 2015.

LOWER SJR REPORT 2020 – REFERENCES

- Zwick, P. D. and M. H. Carr. 2006. Florida 2060: A Population Distribution Scenario for the State of Florida. Gainesville (FL): University of Florida, GeoPlan Center. 29. <http://www.1000friendsofflorida.org/wp-content/themes/1000freinds/formpop/download.php?file=pops/florida-2060/2060-executive-summary-Final.pdf>
Accessed July 15, 2015.