

Diana R. Di Leonardo
Research Scientist I, The Water Institute of the Gulf

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Education:

M.S. in Geology, January 2013
Oregon State University, Corvallis, Oregon

B.A. in Geosciences, May 2010
Hamilton College, Clinton, New York

Research Interests:

Coastal and riverine systems, natural hazards, sediment transport.

Professional Experience:

The Water Institute of the Gulf **2018-Present**
• *Research Scientist I*

Tulane University **2013-2019**
• *Laboratory Supervisor I* **2016-2019**
• *Laboratory Specialist* **2013-2016**

Teaching Experience:

Graduate Teaching Assistant, CEOAS, Oregon State University **2010-2012**
• Introductory geology labs and field courses

Training Courses:

- CARIS – 2016 – Basic multibeam and sidescan data processing
- Geoprobe – 2016 – Direct push, hydraulic coring
- Boater Education course – 2010 – Small boating license

PEER REVIEWED PUBLICATIONS

1. Di Leonardo, Diana and Ruggiero, Peter, 2015. Regional Scale Sandbar Variability: Observations from the Pacific Northwest. *Continental Shelf Research* (95), 74-88. <http://dx.doi.org/10.1016/j.csr.2014.12.012>
2. Stephens, J.D., M.A. Allison, D.R. Di Leonardo, H.D. Weathers III, A.S. Ogston, R.L. McLachlan, F. Xing, E.A. Meselhe. 2017. Sand dynamics in the Mekong River channel and export to the coastal ocean. *Continental Shelf Research* (147), 38-50.
3. Esposito, C. R., Di Leonardo, D., Harlan, M., Straub, K. M. 2018. Sediment Storage Partitioning in Alluvial Stratigraphy: The Influence of Discharge Variability. *Journal of Sedimentary Research*, 88(6), 717–726. doi: 10.2110/jsr.2018.36

CONFERENCE PROCEEDINGS AND PRESENTATIONS

1. Di Leonardo, Diana R., Michael D. Miner, Colleen McHugh, Tim Carruthers, Ryan Clark, Zachary Cobell, Soupy Dalyander, Christine DeMyers, Scott Hemmerling, Brendan Yuill. 2019. “The Role of Geosciences in Coastal Community Resilience Strategies: A Case Study at Port Fourchon in the Mississippi River Delta Plain, USA.” Geological Society of America Annual Meeting. Conference Presentation.
2. Di Leonardo, Diana R., Mead Allison, Robin McLachlan, and Andrea Ogston. 2017. Suspended Sediment Character in the Tidal Mekong River: Observations from LISST Profiling.” Geological Society of America Annual Meeting. Conference Presentation.
3. Di Leonardo, Diana R. and Mead Allison 2016. “Suspended Sediment Character in the Tidal Mekong River: Observations from LISST Profiling.” Ocean Sciences Meeting. Conference Poster.
4. Stephens, John Drew, Diana R. Di Leonardo, Harry D. Weathers, and Mead Allison. “Suspended and Bedload Sand dynamics in the Mekong River Channel and Export to the Coastal Ocean.” Ocean Sciences Meeting. Conference Poster.

TECHNICAL REPORTS

1. Allison, M., Carruthers, T., Clark, R., Di Leonardo, D., Hemmerling, S., Meselhe, E., Moss, L., Weathers, D., White, E., & Yuill, B. (2018). Partnership for Our Working Coast: Port Fourchon Phase 1 Technical Report. *Technical Report*, 215.
2. Allison, M.A., Marsh, J.K., Di Leonardo D.R., Eckland, A.C., Ramatchandirane C., Weathers H.D., (2018). Bonnet Carré 2018 Flood Response. The Water Institute of the Gulf. Prepared for and funded by the Coastal Protection and Restoration Authority. Baton Rouge, LA.
3. Allison, M.A., Di Leonardo D.R., Eckland, A.C., Ramatchandirane C., Weathers H.D., (2018). Mid-Breton Technical Team Field Data Support. The Water Institute of the Gulf. Prepared for and funded by the Coastal Protection and Restoration Authority. Baton Rouge, LA.
4. Allison, M.A., Di Leonardo D.R., Eckland, A.C., Ramatchandirane C., Weathers H.D., (2018). Mid- Barataria Technical Team Field Data Support. The Water Institute of the Gulf. Prepared for and funded by the Coastal Protection and Restoration Authority. Baton Rouge, LA.
5. Allison, M.A., Ramatchandirane C., Di Leonardo D.R., Esposito, C.R., Meselhe, E.A., and Weathers H.D. (2018). Calcasieu Salinity Control Project: Data Collection Phase II.

The Water Institute of the Gulf. Prepared for and funded by the Coastal Protection and Restoration Authority. Baton Rouge, LA.

6. The Water Institute of the Gulf (2019). Identifying Sediment Sources and Optimizing Placement of Dredge Material to Protect Critical Infrastructure – Port of Lake Charles. The Water Institute of the Gulf. Prepared for and funded by the Port of Lake Charles. Baton Rouge, LA.
7. Ramatchandirane C., Courtois, A., Di Leonardo D.R., Eckland, A.C., Georgiou, I., Miner, M., and Yocum, T. (2019). Investigation of flow and water constituent fluxes through the tidal inlets of the Barataria Basin. The Water Institute of the Gulf. Prepared for and funded by the Coastal Protection and Restoration Authority. Baton Rouge, LA.