

## Biographical Sketch

### Clark E. Sherman

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### Professional Preparation

University of Rochester, Rochester, NY	Biology-Geology	B.S. (1987)
University of Hawaii at Manoa, Honolulu, HI	Marine Geology and Geophysics	M.S. (1992)
University of Hawaii at Manoa, Honolulu, HI	Marine Geology and Geophysics	Ph.D. (2000)

### Appointments

2005 –Present	Professor of Geological Oceanography, Department of Marine Sciences, University of Puerto Rico at Mayagüez
2002-2004	Assistant Professor of Geology; Director, Earthquake Education Center, Charleston Southern University
2001-2002	Geologist, Research Planning, Inc (RPI), Columbia, SC
2000-2001	Visiting Assistant Professor of Marine Geology, Department of Geological Sciences, The University of North Carolina at Chapel Hill

### Publications

- Sherman, C.E.**, Carlo, M., Tuohy, E. and Adey, W.H., 2023. Styles and rates of mesophotic reef accretion on a Caribbean insular slope. *Coral Reefs*, 42(5): 1025-1044.
- Appeldoorn, R.S., Ballantine, D.L., Carlo, M., Cruz Motta, J.J., Nemeth, M., Ruiz, H.J., Schizas, N.V., **Sherman, C.E.**, Weil, E. and Yoshioka, P.M., 2021. Intra-Annual Variation in Mesophotic Benthic Assemblages on the Insular Slope of Southwest Puerto Rico as a Function of Depth and Geomorphology. *Frontiers in Marine Science*, 8(1717).
- Cheriton, O.M., Storlazzi, C.D., Rosenberger, K.J., **Sherman, C.E.** and Schmidt, W.E., 2021. Rapid observations of ocean dynamics and stratification along a steep island coast during Hurricane María. *Science Advances*, 7(20): eabf1552.
- Appeldoorn, R.S., Alfaro, M., Ballantine, D.L., Bejarano, I., Ruiz, H.J., Schizas, N.V., Schmidt, W.E., **Sherman, C.E.** and Weil, E., 2019. Mesophotic Coral Ecosystems of Puerto Rico. In: Loya, Y., Puglise, K. and Bridge T. (Eds.). *Mesophotic Coral Ecosystems of the World*. Springer.
- Cheriton, O.M., Storlazzi, C.D., Rosenberger, K.J. and **Sherman, C.**, 2019. Controls on sediment transport over coral reefs off southwest Puerto Rico: seasonal patterns and Hurricane Maria. *Coastal Sediments 2019*: 903-915.
- Sherman, C.E.**, Locker, S.D., Webster, J.M. and Weinstein, D.K., 2019. Geology and Geomorphology of Mesophotic Coral Ecosystems. In: Loya, Y., Puglise, K. and Bridge, T. (Eds.). *Mesophotic Coral Ecosystems of the World*. Springer.
- Sherman, C.**, Schmidt, W., Appeldoorn, R., Hutchinson, Y., Ruiz, H., Nemeth, M., Bejarano, I., Cruz Motta, J.J. and Xu, H., 2016. Sediment dynamics and their potential influence on insular-slope mesophotic coral ecosystems. *Continental Shelf Research*, 129: 1-9.
- Appeldoorn, R.S., Ballantine, D., Bejarano, I., Ruiz, H., Schizas, N., Schmidt, W., **Sherman, C.** and Weil, E., 2016. Mesophotic coral ecosystems examined - La Parguera, Puerto Rico, USA. In: E.K. Baker, K.A. Puglise and P.T. Harris (Editors), *Mesophotic coral ecosystems - A lifeboat for coral reefs? The United nations Environment Programme and GRID-Arendal, Nairobi and Arendal*, pp. 45-49.

- Baker, E., Puglise, K.A., Colin, P., Harris, P.T., Kahng, S.E., Rooney, J.J., **Sherman, C.**, Slattery, M. and Spalding, H., 2016. What are mesophotic coral ecosystems? In: E.K. Baker, K.A. Puglise and P.T. Harris (Editors), *Mesophotic coral ecosystems - A lifeboat for coral reefs? The United nations Environment Programme and GRID-Arendal, Nairobi and Arendal*, pp. 11-19.
- Appeldoorn, R., Ballantine, D., Bejarano, I., Carlo, M., Nemeth, M., Otero, E., Pagan, F., Ruiz, H., Schizas, N., **Sherman, C.** and Weil, E., 2015. Mesophotic coral ecosystems under anthropogenic stress: a case study at Ponce, Puerto Rico. *Coral Reefs*: 1-13.
- Sherman, C.E.**, Fletcher C.H., Rubin, K.H., Simmons, K.R., Adey, W.H. 2014. Sea-level and reef accretion history of Marine Isotope Stage 7 and late Stage 5 based on age and facies of submerged late Pleistocene reefs, Oahu, Hawaii. *Quaternary Research* 81:138-150.
- Sherman C.**, R. Hernández, Y. Hutchinson and D. Whitall. 2013. Terrigenous Sedimentation Patterns at Reefs Adjacent to the Guánica Bay Watershed. pp. 103-112. In Whitall, D., L.J. Bauer, C. Sherman, K. Edwards, A. Mason, T. Pait, and C. Caldow. 2013. *Baseline Assessment of Guánica Bay, Puerto Rico in Support of Watershed Restoration*. NOAA Technical Memorandum NOS NCCOS 176. Prepared by the NCCOS Center for Coastal Monitoring and Assessment Biogeography Branch. Silver Spring, MD. 169 pp.
- Sherman, C.**, Appeldoorn, R., Ballantine, D.L., Bejarano, I., Carlo, M., Kesling, D., Nemeth, M., Pagán, F., Ruiz, H., Schizas, N., Weil, E., 2013. Exploring the mesophotic zone: Diving operations and scientific highlights of three research cruises across Puerto Rico and US Virgin Islands, in: Lang, M.A., Sayer, M.D.J. (Eds.), *Proceedings of the 2013 AAUS/ESDP Curaçao Joint International Scientific Diving Symposium*. American Academy of Underwater Sciences, Curaçao, pp. 297-312.
- Locker S, Armstrong R, Battista T, Rooney J, **Sherman C**, Zawada D, 2010. Geomorphology of mesophotic coral ecosystems: current perspectives on morphology, distribution, and mapping strategies. *Coral Reefs* 29: 329-345.
- Sherman C**, Nemeth M, Ruiz H, Bejarano I, Appeldoorn R, Pagán F, Schärer M, Weil E, 2010. Geomorphology and benthic cover of mesophotic coral ecosystems of the upper insular slope of southwest Puerto Rico. *Coral Reefs* 29:347-360.

## Grants

- The Impact of Hurricane Maria on the Mesophotic Reefs of Southwest Puerto Rico  
Source: NSF RAPID Program (Co-PI)  
Amount: \$199,997      Duration: 1.0 years (01/18/2018-12/31/2018)
- Coral community structure, health and calcification at nearshore reefs adjacent to the Guanica Bay watershed, southwest Puerto Rico (PI)  
Source: NOAA Coral Reef Conservation Program  
Amount: \$70,986      Duration: 1.5 years (08/01/2017-01/31/2019)
- Assessment of geological and geochemical proxies of sources of terrigenous sediment reaching reefs adjacent to the Guanica Bay watershed, southwest Puerto Rico (PI)  
Source: NOAA Coral Reef Conservation Program  
Amount: \$74,906      Duration: 1.5 years (1 Aug 2015 to 31 Jan 2017)
- Structure and development of mesophotic coral reefs, Southwest Puerto (PI)  
Source: National Geographic Society  
Amount: \$20,000      Duration: 1 year (2013-2014)
- Sedimentation at Reefs Adjacent to the Guanica Bay Watershed (PI)  
Source: National Fish and Wildlife Foundation  
Amount: \$41,999      Duration: 1 year (09/01/2011-08/31/2012)
- Terrigenous Sedimentation Patterns in Guanica Bay (PI)  
Source: Caribbean Coral Reef Institute  
Amount: \$37,199      Duration: August 2010-July 2011
- A Sedimentary Record of Marine Flooding Events from Coastal Salt Ponds, Southwest Puerto Rico (PI)  
Source: UPR-Sea Grant  
Amount: \$114,044      Duration: March 2010-February 2012
- Character and Timing of a Reef Give-Up Event on the Southwest Puerto Rico Shelf (PI)  
Source: UPR-Sea Grant  
Amount: \$114,044      Duration: March 2008-February 2011