

MARCUS T. OGLE

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PROFILE

- Technical review of MetOcean campaigns and procedures
- Deliver Metocean Criteria Reports, calculate weather windows and uptime analysis for engineering review
- Project Management and field work of various metocean projects throughout the Americas region
- The deployment, recovery and maintenance of various oceanographic instrumentation including: CODAR HF Radars, RD Instruments Acoustic Doppler Current Profilers (38, 75, 300, 1200 kHz, etc.); Aanderaa instrumentation; Nortek instrumentation; various metocean buoys; various meteorological instruments
- Maintenance and survey of shore-based and offshore tidal stations
- Design and fabrication of various projects to solve global technical challenges within Fugro
- Collection of real-time, in-situ data on-board various oceanographic vessels for research purposes
- Vessel operations for in-situ data collection and sampling
- Design, analysis and deployment of MetOcean buoys and moorings
- SCUBA operations for shallow water mooring deployment, maintenance and recovery
- Writing client/project specific scripts to streamline data processing (Python, Shell, Batch, MatLab)
- Data-basing of large data sets using PostgreSQL
- Design and drafting using Solidworks

EDUCATION

Texas A&M University – College Station, TX

2010-2012 Master of Science in Oceanography

2004-2009 Bachelor of Science in Meteorology

TRAINING/SKILLS

CODAR

- In-office and field training

SCUBA

- AAUS Certified Scientific Diver
- NAUI Master Diver
- NSS-CDS Certified Cavern Diver
- DAN Emergency O₂ Administrator

EXPERIENCE

Gulf of America Coastal Ocean Observing System – Associate Director

Feb 2025 – Present

- Support GCOOS' mission; oversee operational aspects of the network; lead the DMAC team; support grants and projects management; assisting in budget management and proposal preparation; external representation at regional and national working groups, committees and meetings.

Shell Global Solutions US – MetOcean Engineer (contractor)

May 2022 – Feb 2025

- Support Shell's assets in the Americas region; technical review of metocean campaigns and procedures globally; Deliver metocean criteria documentation, weather window and uptime calculations; streamline data flow and presentation of Shell's metocean data

Fugro USA Marine, Inc. (FUSAMI) – Senior Oceanographer

October 2015 – May 2022

- Project Manager of various metocean projects throughout the Americas region, including but not limited to Rig-based ADCP measurements, offshore moorings, and tidal measurements. Data processing of large data-sets for client deliverables.

Exova Inc. – Technical Project Manager

February 2015 – October 2015

- Testing, analysis and reporting of forgings, welds and base materials to failure for the oil and gas industry

Fugro Global Environmental & Ocean Sciences, Inc. – Oceanographer

July 2012 – February 2015

- Project Manager of various metocean projects throughout the Americas region, including but not limited to Rig-based ADCP measurements, offshore moorings, and tidal measurements

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PUBLICATIONS

- Ogle, M. T., Smith, R., Williams, B., Schiller, R., Perry, R., Leung, P., DiMarco, S. F., Howden, S. (2019, April 26). Four Years of Metocean Support to the Shell Stones Field: From Asset Integrity to Collaborative Research. Offshore Technology Conference. doi:10.4043/29392-MS
- Thyng, Kristen M., et al. "Origins of *Karenia brevis* harmful algal blooms along the Texas coast." *Limnology & Oceanography: Fluids & Environments* 3 (2013): 269-278.
- Ogle, M.T. (2012). Physical mechanisms driving harmful algal blooms along the Texas coast. Master's thesis, Texas A&M University.

PROJECT PORTFOLIO

UK Hydrographic Office

Project Management, design and installation of tide stations across UK territories to monitor sea-level rise and support bathymetric LiDAR surveys.

- St. Vincent and the Grenadines (Nov 2016)
- Anguilla (Feb 2017)
- Turks and Caicos (Aug 2018; Aug 2021)
- Cayman Islands (Dec 2017; Dec 2021)
- Belize (Nov 2018)
- Bermuda (Dec 2019)

Shell

Project Management, design, installation, and maintenance of multiple metocean moorings across the Americas region

- Stones Wavescan buoy (Jan 2015 – Aug 2021)
- Colombia metocean moorings – joint project with Anadarko (Dec 2015 – June 2017)

BP

Project Management, design and installation of a surface metocean mooring to support the Thunderhorse platform

- Thunderhorse Wavescan buoy (Nov 2021 – Aug 2021)

Gulf of Mexico Coastal Ocean Observing System (GCOOS)

Project Management, design, installation, and maintenance of two CODAR HF Radars in Louisiana to support the IOOS "Filling The Gaps" initiative for future SAR Ops in the Gulf of Mexico

- GCOOS HFR (Sept 2018 - present)

Chevron

Project Management, design, installation and maintenance of a surface metocean mooring w/ real-time seabed current information to support the Bigfoot installation

- Bigfoot (Jan 2018 – Oct 2018)

Maersk (Total)

Project Management, design, installation and maintenance of a rig based ADCP w/ real-time seabed ADCP measurements in 3400 m water depth in offshore Uruguay.

- Maersk Venturer ADCP (Oct 2015 – June 2016)

ConocoPhillips

Project Management, design, installation and maintenance of real-time surface currents and waves to support LNG operations in Cook Inlet, Alaska. Statistical analysis and presentation of collected data for future LNG operations in the area.

- Cook Inlet LNG (May 2014 – Oct 2016)

Petrobras

Project Management, design, installation, and maintenance of surface and subsurface moorings across Brazil and the US Gulf of Mexico.

- PB14 moorings – fourteen subsurface moorings to support future exploration offshore Brazil (Jan 2014 – June 2015)
- Cascade Chinook Wavescan buoy (Jan 2014 – Aug 2021) ** a *Murphy asset as of March 2019*

QGEP

Project Management, design, installation and maintenance of thirteen (13) surface and subsurface moorings across northern Brazil

- QGEP Moorings (April 2016 – Dec 2017)

Rig Based Measurements

Project Management, design, installation and maintenance of rig based ADCP and meteorological measurements to support oil and gas exploration in the Americas region

- ENI, Anadarko, Shell, BP, Murphy, Chevron, Diamond, Etc...