

## Jill Storie, M.S.

*Program Manager, EddyWatch & SurveyWatch*

### EXPERTISE

Physical oceanography, global ocean circulation, analysis of satellite imagery and remote sensing systems, particularly for oceanographic and environmental monitoring, analysis of surface current, wind, and wave measurements, data acquisition and processing, data analysis methods, data visualization, hindcasting and forecasting, numerical models, developing operational statistics and metocean design criteria.

### QUALIFICATION SUMMARY

- Manages team of oceanographers and oversees day-to-day internal operations to ensure efficiency and quality of services and products
- Analyzes satellite imagery, collected measurements, and numerical model output. Experienced with output acoustic Doppler current profilers (ADCPs), drifting buoys, gliders and autonomous underwater vehicles (AUVs), automatic surface vehicles (ASVs), expendable bathythermographs (XBT), and air borne current measurement systems.
- Prepares current updates and forecasts tailored for energy industry
- Participates in consultations with clients
- Maintains client relations and coordinates with clients and outside partners
- Writes and works with Matlab for data collection and analysis in the preparation of hindcast studies

### WORK EXPERIENCE

- 2016-Present Woods Hole Group, Inc., EddyWatch & SurveyWatch Program Manager
- 2011-2015 Horizon Marine, Inc., EddyWatch Analyst, Physical Oceanographer



### Education

- 2011 – M.S.  
Physical Oceanography  
North Carolina State  
University
- 2009 – B.S.  
Geosciences, Meteorology  
Mississippi State University

### Professional Affiliations

- Society for Underwater Technology (SUT) Group on Environmental Forces (GEF)
- Institute of Electrical and Electronic Engineers (IEEE)

### Publications & Presentations

6

## PUBLICATIONS & PRESENTATIONS

Ivanov, L., R. Ramos, N. Sharma, B. Magnell, J. Storie, D. Gustafson, and M. Leber. 2018. Deep Sub-Surface Eddies in the Gulf of Mexico, OCEANS 2018 Charleston.

Sharma, N., J. S. Storie, L. Ivanov, B. Magnell, M. J. Leber, D. E. Gustafson, and H. M. Zimmerle. 2018. 2014-2017 Loop Current Activity, Offshore Technology Conference, Metocean Advances.

Sharma, N., J. S. Storie, K. M. Obenour, M. J. Leber, and A. Srinivasan. 2016. Loop Current Hyperactivity: Analysis of In Situ Measurements in the Gulf of Mexico, Offshore Technology Conference, Developments in MetOcean Science.

Nelson, J. S., R. He, J. C. Warner, and J. Bane. 2014. Air-sea interactions during strong winter extratropical storms, Ocean Dynamics 64: 1233.

Nelson, J. S., and R. He. 2012. Effect of the Gulf Stream on winter extratropical cyclone outbreaks, Atmospheric Science Letters, volume 13: 311-316.

Nelson, J. S. 2011. Numerical investigation of air-sea interactions during winter extratropical storms, M.S. Thesis, North Carolina State University.