



Kjolhaug Environmental Services Relies on Onset HOBObluetooth Data Loggers for Long-Term Wetland Study

BOURNE, MA, November 2, 2016 – Onset, a world leader in data loggers, has published a case study on how Kjolhaug Environmental Services is accurately monitoring wetlands using Bluetooth-enabled HOBObluetooth® MX2001 water level data loggers. The data provided by the HOBObluetooth loggers is enabling Kjolhaug to more effectively assess the impacts of residential development on a series of wetlands. The full case study can be viewed online at <http://www.onsetcomp.com/resources/water-level-monitoring-provides-concrete-data-long-term-wetland-study>.



Kjolhaug, a natural resource consulting company based in Shorewood, Minnesota, began an annual monitoring program in early 2016 examining the vegetation and hydrology of wetlands located in the Twin Cities metro area. Driven by requirements under the Minnesota Wetland Conservation Act, the study has served to document any changes to six existing wetlands from nearby construction on residential homes.

The Onset case study examines how researchers are able to use their iPhones to retrieve data wirelessly from the data loggers—without an internet connection—using Onset’s accompanying HOBObluetooth® app. It also discusses how the adoption of Bluetooth Low Energy (BLE) technology has streamlined the installation and setup of Kjolhaug’s field deployment while eliminating the need to retrieve the HOBObluetooth data loggers to download information.

“The Bluetooth data loggers and mobile app are a huge convenience since we can access data from 100 feet away, saving us a lot of time and avoiding the need to physically traverse any fences,” said Adam Cameron, wetland ecologist at Kjolhaug. “Additionally, we don’t have to pull the loggers out of the tubes and plug them into a device to upload data, which could possibly alter the positional depth, leading to inconsistent data. So, in this regard, the Bluetooth feature is key to ensuring that the data is sound.”

“For nearly 20 years, Kjolhaug has served as a trusted resource for local governments and businesses in helping to ensure that projects protect natural resources,” said Paul Gannett, product marketing manager for Onset. “We are thrilled by the high level of efficiency and accuracy that Kjolhaug has achieved in using our Bluetooth water level loggers to monitor the potential impact of local development on Twin Cities wetlands—enabling organizations to make the most informed decisions possible.”

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About Onset

Onset is a leading supplier and trusted manufacturer of data loggers and monitoring solutions used to measure, record, and manage data for improving the environment and preserving the quality of temperature-sensitive products. Based on Cape Cod, Massachusetts, Onset has been designing and manufacturing its products on site since the company's founding in 1981.