

Brief: Taree Off-Line Storage Algal Control and Destratification Project

Client: **Midcoast Water**

Storage: **Bootawa Dam**

Location: **Taree, NSW.**

Bootawa Dam is an off-line storage for the Taree District water supply. This storage is operated and managed by Midcoast Water, who have in the past run an air destratification system which unsuccessfully controlled incidences of Cyanobacterial blooms and was costly to operate in terms of maintenance and power.



The WEARS system has now replaced the compressed air unit and operates at only 10% of the operational and maintenance costs. The main concern for Mid Coast Water was the control of algal outbreaks and maintaining raw water quality since there is currently no water treatment plant apart from disinfection as a barrier for the consumer.

WEARS have installed the SMDI-3 unit to overcome the incidence of BGA and have successfully monitored and controlled the unit through the joint cooperation with the operators, who have carried out regular routine monitoring and reporting back to WEARS to enable evaluation of data. Operational protocols have been developed giving a high level of confidence in the system and establishing a closer working relationship between WEARS and Mid Coast Water.

