

Brief: **Controlling Cyanobacterial Blooms**

Client: **Coonabarabran Shire Council**

Storage: **Timor Dam**

Location: **Warrumbungle National Park, NSW.**

The reservoir is closed to the public and is fed from the Clarence River. The storage has a capacity of about 2,100MI and a maximum depth of 14m at the dam wall. Timor Dam is the only drinking water supply for Coonabarabran.



This storage has a history of Cyanobacterial blooms, which caused it's closure on several occasions. Since installing the SMDI-3 at Timor there have been no incidences of Cyanobacterial outbreaks and the life of the storage has been restored with the ecology showing a remarkable come back. Apart from several 'wash-in' events no Blue Green Algae has been recorded since the projects completion.

It is clear that apart from some surface heat gain; the storage is heading towards uniformity across the water column. The system at Timor Dam continues to succeed in controlling BGA, and raise the water quality.

