Cyanobacteria in inland floodplain wetlands

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Recent scientific articles on cyanobacteria with alarming titles


Cyanobacteria in inland floodplain wetlands: unknown ecology

Hydrologic/Hydrodynamic factors

Environmental effects of global warming

Nutrient inputs
Cyanobacteria in inland floodplain wetlands: unknown ecology

- Do cyanobacteria exist in inland floodplain wetlands?
- Do hydrologic/hydrodynamic factors affect their community structure?
- Are cyanobacteria nutrient-limited?
In-channel phytoplankton (median, n=2) in the Macquarie Marshes (Nov. 2006)

Anabaena aphanizomenioides, Anabaena circinalis, Aphanocapsa, Merismopedia, Oscillatoria, Planktothrix, Pseudanabaena and Raphidiopsis
Emergence of cyanobacteria in the overlaying flood water:

*Anabaena oscillarioides*
*Cylindrospermopsis raciborskii*
*Cylindrospermum* sp.
*Nostoc* sp.
*Planktolyngbya* sp.

Photomicrograph: D. Cannon (PHYTO-ID)
Cyanobacteria in inland floodplain wetlands: unknown ecology

- Inland floodplain wetlands are a complex ecosystem.

- Cyanobacteria in inland floodplain wetlands, especially where grazing and human-related activities occur, should be recorded and monitored.

- Such information provides an initial framework to assess the frequency and extent of harmful cyanobacterial blooms in inland floodplain wetlands and help to understand the ecological control factors of the blooms across a range of inland water bodies, including rivers, lakes and reservoirs.
Acknowledgments

Derek Cannon (PHYTO-ID) performed identifications and cell counts of cyanobacteria. This work was partially funded by the NSW Wetland Recovery Program and the NSW Rivers Environmental Restoration Programme, which are jointly funded by the NSW Government and the Australian Government's Water Smart Australia programme.