

Biodiversity screen 3hr survey, with 33 species identified from 10 locations

Invasive species ID European carp, tilapia and gambuisia recorded

Management planning Data capture assisting in risk assessments and preparation of species management plans

Design support Findings suporting RFQ documentation as part of detailed design.

Sustainability Protecting biodiversity

CLIENT: UNIVERSITY OF QUEENSLAND PROJECT: Lakes Precinct Redevelopment

The University of Queensland (UQ) commissioned eDNA Australia to conduct an aquatic survey of the campus lake using eDNA. This survey provided a rapid biodiversity screen to support the lakes redevelopment strategy. In less than 3-hrs survey, eDNA sampling identified 33 species from 10 sampling locations. Including a combination of bird, reptile, amphibian, bat, mammal and fish species. Two known turtle species and ten fish species were recorded, including three species not previously reported to exist within the lake system. Priority invasive fish species including tilapia, European carp and gambusia were also identified.

Significantly, lungfish DNA was also reported and a management plan prepared for the construction phase (*note: a 1.5m lungfish was recovered during construction as predicted*).

eDNA findings will support the preparation of management measures as part of the lakes redevelopment project, including preparation of tenders for detailed design.

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