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Summary

Aquatic macrophytes, such as *Vallisneria nana*, provide critical habitat for *Neoceratodus forsteri* (Australian lungfish), a federally-listed threatened species occurring within limited catchments throughout south-eastern Queensland. *V. nana* provides vital breeding habitat and refuge throughout the early life history of *N. forsteri*. A reduction in this crucial breeding environment can potentially negatively affect *N. forsteri* juvenile recruitment levels. This project aims to determine factors influencing *V. nana* dispersal and establishment as critical habitat for *N. forsteri* early life stages (e.g. eggs, larvae and juveniles). Examining different aspects of breeding habitat will facilitate better water resource management and help to ensure long-term persistence of *N. forsteri*.

Research Expertise

- Freshwater ecology
- Animal movement
- Conservation management