

Toby has extensive experience organising and conducting field data collection campaigns. Toby is an expert numerical modeller, and is adept at using remote sensing and GIS techniques to solve complex challenges in the field of water engineering. Toby experience has been recognised by Engineers Australia where he is a Chartered Professional Engineer (CPEng) in Environmental Engineering and is 0005 TJETk[h]-3\*n1 0 0 1 16068ro62 Tm0 y0 1 ]TJa1 538. 9 Tfc0 gTJETQq0.00008871 0 595.32 8

## Qualifications

BE Hons 1 (Civil Engineering), UNSW, 2015  
Chartered Professional Engineer (CPEng) (Environmental) and National Engineering Register (NER) with Engineers Australia  
Remote Pilot License (RePL) (Multi- g)

## Professional history

2023-Current Principal Engineer, UNSW WRL  
2022-2023: Senior Engineer, UNSW WRL  
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& monitoring

2018: Tuckean Swamp field investigations  
2018-24: Clybucca Wetlands restoration options & monitoring  
2020-23: Woodberry Swamp hydrological investigations  
2020-22: Kooragang Island (Area E) wetland restoration  
2021: East Kinchela (Swan Pool) remediation feasibility study  
2022-24: Tomago Wetland hydrological monitoring  
2023: Clarence River floodplain blue carbon investigations  
2023: Campvale Wetland review of deoxygenation processes  
2023: Panboola Wetland hydrological investigation

## Estuaries / ICOLLS

2017: Hunter RTf1 0 0 1 235.0IJ841.92 reW\*nBT071 0 595.32 841.92 reW\*nBT/F1 8.04 Tf1 0 0 1 111.02 217.97 Tm0 g0 G[Tf1 0 0 13)-

## Publications

**Tucker, TA** (2015) *Application of 2D models to examine sand bar recovery at Narrabeen-Collaroy*, Honours Thesis, UNSW.  
Modra, BD, Blacka, MJ, Deiber, M, Drummond, CD, Harrison, AJ, **Tucker, TA** and Miller, BM (2016) *Amrun fishway and*