



## Alice Harrison

### Principal Engineer

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Upland peat swamps hydrological monitoring and modelling

#### **Environmental economics**

Big Swamp cost benefit analysis

Cooperook Swamp cost benefit analysis

Key fish habitat offsets: ecosystem services approach

Site level Environmental Economic Accounting for blue carbon restoration projects

#### **Coastal processes**

NSW Beach Profile Database

Eurobodalla coastal hazard study

Coastal tailwater levels: Adventure Bay and Snug Bay

Lake Illawarra entrance channel management study

Sea level rise impacts at Margate, Tasmania

#### **Numerical modelling in estuaries**

Manly Lagoon hydrodynamic modelling

Tuckean Swamp hydrology and hydrodynamic study

Botany Bay stormwater modelling

Port Stephens – sewage overflow impacts to oysters

Hastings River - sewage overflow impacts to oysters

Sewage overflow impacts on oyster harvest areas in NSW estuaries

#### **Plume dispersion**

Merimbula outfall – dye tracing experiment

Burwood outfall - modelling and marine assessment

Cooks River dye tracing

## **Publications**

### **Selected journal and conference papers**

Waddington, K., **Harrison, A.J.**, Rayner, D.S.