

**Concept Plan CF 2023-013**

# **Wetland Mapping**

**BCS Species and Communities**

## **Project Core Team**

X X **Supervising Scientist** Ruth Harvey  
**Data Custodian** Fiona Felton

**Project status as of June 28, 2023, 4:52 p.m.**

X X New project, pending concept plan approval

**Document endorsements and approvals as of June 28, 2023, 4:52 p.m.**

X X  
**Project Team** granted  
**Program Leader** granted  
**Directorate** required



# Wetland Mapping

## Program

BCS Species and Communities

## Departmental Service

Service 6: Conserving Habitats, Species and Communities

## Background

Mapping of wetlands in priority areas, including boundary delineation, classification and evaluation. Ongoing maintenance, development and curation of wetland data layers including Wetland Evaluation of the Swan Coastal Plain, Geomorphic wetlands mapping layers through scientific, on-ground and spatial evaluation methods.

The Wetland Mapping project is involved with ongoing collaboration with the Commonwealth and other state governments through the Wetlands and Aquatic Ecosystems Subcommittee (WAESC). A current focus is the creation of National Guidelines and Standards for Incorporating- Classification, mapping and collation of extent and Interrogatable data storage

## Aims

Mapping of wetlands addresses Biodiversity and Conservation Science service priorities by identifying biodiversity assets for potential inclusion within national and State conservation estates and providing a baseline inventory to guide environmental impact assessment and development decisions. Wetland mapping assists the department in meeting State responsibilities to identify candidate wetlands that meet the criteria for listing under the Ramsar Convention.

## Expected outcome

Mapping of wetlands in priority areas, including boundary delineation, classification and evaluation. Ongoing maintenance, development and curation of wetland data layers including Wetland Evaluation of the Swan Coastal Plain, Geomorphic wetlands mapping layers through scientific, on-ground and spatial evaluation methods.

Ensure that priority policies, procedures and documentation supporting the wetlands datasets is contemporary and maintained. These include *A methodology for the evaluation of wetlands on the Swan Coastal Plain* and *Wetland delineation guidelines*

## Strategic context

The wetland mapping datasets are key data sets that are shared through SLIP.

Wetland classification based on evaluation methodology provides guidance to decision makers for conserving wetland values.

## Expected collaborations

Commonwealth Government - WAESC  
Department of Planning, Lands and Heritage  
Department of Water and Environmental Regulation  
Spatial teams at DBCA  
Ecosystem Science

## Proposed period of the project

May 24, 2023 – June 30, 2025

## Staff time allocation

to | X | X | X | X |

Role Year 1 Year 2 Year 3

Scientist

Technical

Volunteer

Collaborator

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**Indicative operating budget**

to | X | X | X | X |

Source Year 1 Year 2 Year 3

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Consolidated Funds (DBCA)

External Funding

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