

# PLAYFORD'S WETLANDS



The City of Playford manages a series of wetlands in the Munno Para area. The wetlands are relatively young, and in some cases still under development.

The wetlands are maintained to a very-high standard that actively improves the aesthetics of the local environment and provides recreational opportunities for the community.



## The Purpose

Constructed wetlands are used to clean the water before it is injected into aquifers (see the [Wetlands and Water Initiatives page](#) on our website for further details).

This ensures it can be recycled or discharged into the environment safely. A natural process is used to filter and clean our water, commonly through physical, biological, and chemical techniques.

The first and second stages of Playford's Recycled Water project took approximately seven years

Due to the water in the wetlands constantly undergoing a wide range of natural process, the water quality is highly variable.

It is important to note that reused stormwater cannot be used for Aquifer Storage and Recovery (ASR) operations with a high-turbidity level (the cloudiness of the water). Council monitors turbidity levels throughout our wetland projects.

## Locations

City of Playford has wetlands located at:

- Munno Para
- NEXY Basin
- Stebonheath and Curtis Roads
- Andrews Farm

## Carp Eradication Program

The constructed wetlands are subject to infestation from European Carp which contribute significantly to reductions in water quality and wetland function.

The carp's population growth and bottom feeding behaviour causes the water become murkier, as the mud and sediments are stirred up at the base of wetlands.

As a result, there is a need to eradicate carp before recharge operations can commence. Rotenone is an odourless natural organic compound which is found in the roots of several tropical plant species.

Rotenone affects carp in a way that restricts their ability to take oxygen from the water and forces them to surface in an attempt to gulp air. Once they reach surface they are scooped out of the water, humanely euthanised and buried at a prepared Council disposal site approved as per Australian Pesticides and Veterinary Medicines Authority guidelines.

Carp removal from City of Playford's wetlands using this method has led to a marked reduction in the turbidity of the water.

Before



After



### CONTACT

Chris Burgess  
(08) 8256 0461  
CBurgess@playford.sa.gov.au

### CALL

(08) 8256 0333

### EMAIL

playford@playford.sa.gov.au

### POST

12 Bishopstone Road  
Davoren Park SA 5113

### VISIT

Playford Civic Centre  
10 Playford Boulevard  
Elizabeth SA 5112

Stretton Centre  
307 Peachey Road  
Munno Para SA 5115



**WATERPROOFING  
PLAYFORD**