If your dam is constructed on a waterway, provision for fish passage can be provided via a rock ramp or

planted with short native grasses and groundcovers.

invertebrates and native fish.

Some areas of bank should be kept open to provide

varied habitat and safe entry points to the water. These areas can be lined with sand or pebbles, or may be

- Dense rushes and sedges provide excellent nesting habitat for water birds such as swamp hens, and also provide a sheltered environment for aquatic
- roosting sites for birds.
- dam provide excellent habitat for a variety of animals. Branches and dead trees in the water provide safe



Creating habitat

Vegetated Filters

are important summer refuge for instream fauna. holding capacity and cause infilling of river pools, which These sediments will also reduce the dam's water reduces the water quality of the receiving water body. Erosion caused by water as it enters and exits a dam

sections should be rock lined for stability. perennial pastures as a minimum. Steep, erosion prone species to control erosion or at least be grassed with and swale drains should ideally contain local native dam reduces the movement of sediment. Spillways Vegetating the areas where water enters and exits the



Weed Control

- .seices. likely to compete with native weed control where weeds are · It is important to undertake
- may be required at some sites new or re-occuring weeds. Ongoing weed control Control weeds prior to planting and follow up any
- chemical control. of seviternatives to be used as alternatives to Manual control and physical barriers such as mulch

Introducing Fauna

.sllew meb gilgies, frogs, and insects. Yabbies will also destroy consume other native animals including marron, visuoisan vaterways and will voraciously fin Perch and Yabbies into South West dams. They -It is illegal to introduce feral species such as Red-



information. Contact Fisheries for more marron, koonacs or gilgies. to your local area such as with species that are native It is best to stock your dam

Photos were provided by Department of Environment and Conservation, Martin Pritchard, Nicole Lincoln, Veronica Piper, Gemma Mincherton and Katie Biggs.

Hyde Park Press, Adelaide Water & Rivers Commission Waterways WA Program Perth

Busselton Shire Dams Policy

- Romanowski N, 1998 Aquatic and Wetland Plants
- Romanowski N, 1998 Planting Wetlands and Dams Hyde Park Press, Adelaide
- Dept. Land & Water Conservation NSW, 1998 The Constructed Wetlands Manual
- Dept. Environment, 2001 River Restoration Manual Perth
- The following were referred to in the making of this pamphlet.
- Contact government agencies and catchment groups for advice or search the web for further information.

Further Information & Reading

senoS priinal & noitatepevea

poster for species lists). zones as detailed below and shown in Figure 1 (see times. These species will be suited to certain planting native species with a range of flowering and fruiting Revegetation works should include a variety of local

Upper Banks (Ephemeral)

and shelter. natural banks provide valuable shade groundcovers. Trees planted on variety of small shrubs, herbs and The upper banks will support a

sesdellop bne constructed dam walls as they can cause cracks, leaks NOTE: Deep-rooted plants should not be planted on

(qmpd) teW vilenosee2

sagbas bna planted up with a variety of rushes The seasonally wet area can be

(the state (the state of the state) swolled the state of the state of

of macroinvertibrates and birds. bed and provide habitats for a variety emergent plants that stabilise the Shallow water zones support

.stneld begreender ville and fully submerged plants. These areas can support both floating (Jopen Water (Submergent)

Open Water **Submergent** Emergent Low Water Damp Lphemeral notoW deiH Pool

Figure 1. Planting zones.



Converting Dams to Wetlands

Converting

Dams

Living

Wetlands

and the second second

tO

project. helpful hints for planning your restoration natural wetlands. This brochure provides some recreate habitats that were once provided by Farm dams provide a fantastic opportunity to

- and repairs. Reduced erosion and associated management
- .pribeing and shading. Improved water quality through nutrient
- Oxygenation of water and sediments.
- Creation of habitat.
- Natural pest control (can host pest predators).
- amenity and creating a feature. Adds to property value by improving visual

fi ob l ob woH

- activities. o rebnelec a bne ette ette and a calendar of Plan out what you want to create with
- be allowed access. Fence out stock – ideally wildlife should still
- dam area or rock an access point. Provide stock water troughs away from the
- Soils before doing earthworks. and planting zones. Check for Acid Sulphate (ideally to less than 1:3), create access areas Reshape banks and foreshores – reduce slopes
- secure in place on steeper slopes. noisevni beew bne noisore evosion, and weed invasion, Cover exposed soil with weed free mulch or
- (see poster for suggestions). Plant up the banks with local native species











bypass channel.

Islands provide a safe refuge for birds to nest away from feral animals. Floating islands are easy to build as shown in Figure 2. Make sure they are anchored in place with enough rope to allow for water level changes and perforate the boxes to allow for drainage and root growth. The poster illustrates a terraced earth island.



Figure 2. Constructing a floating island.

Remember - Take plenty of photos before, during and after!

Project Partners





Contact GeoCatch on 9781 0111

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