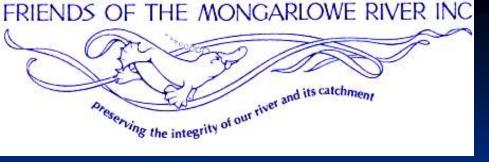


Protecting the Macquarie Perch in the Mongarlowe River

A Threatened Species Network Project involving community groups, government agencies, knowledge generation and data sharing.

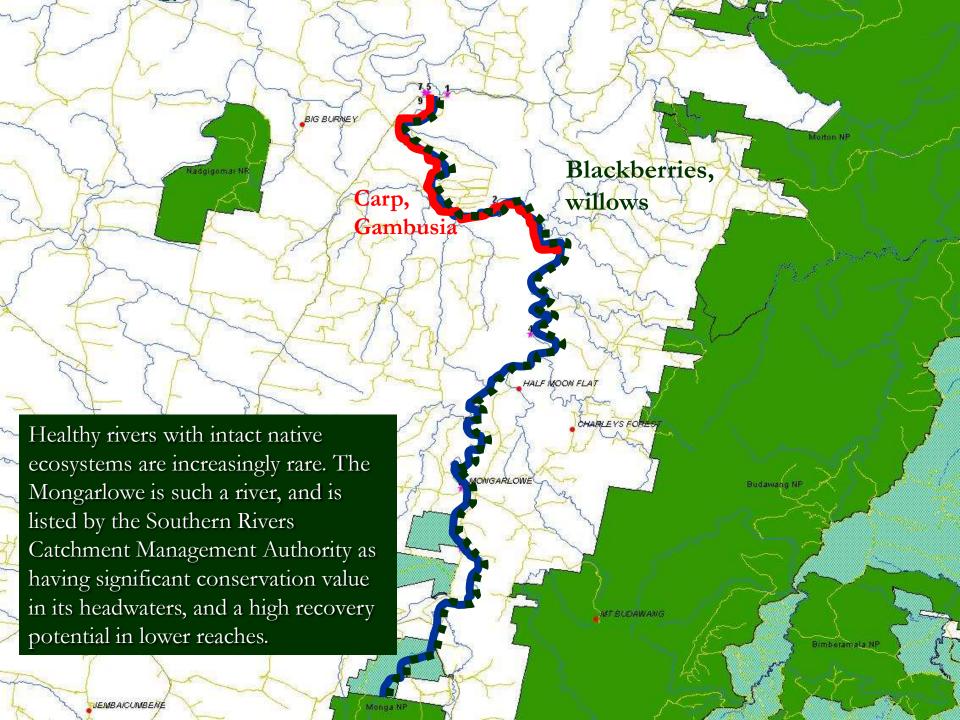
Su Wild-River, Friends of Mongarlowe River

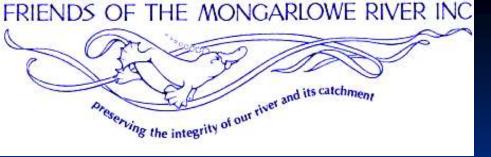


Many Hats

- Action research
 - facilitating change
- Certified Environmental Practice
 - ethically bound
- Land management
 - biophysically challenged
- Mothering
 - leaving a legacy
- Community membership
 - Undertaking direct action







The FMR

- A diverse group of people with a passion to preserve things of great and lasting value.
- Were influential in securing Monga National Park a highly contentious campaign
- FMR continues in conservation education organising forest walks and occasional events.
- Will continue to help:
 - protect riparian and water quality in the Mongarlowe River and its tributaries,
 - learn about and protect the Macquarie Perch in the Mongarlowe River, and
 - inform planning to prevent ecological degradation.



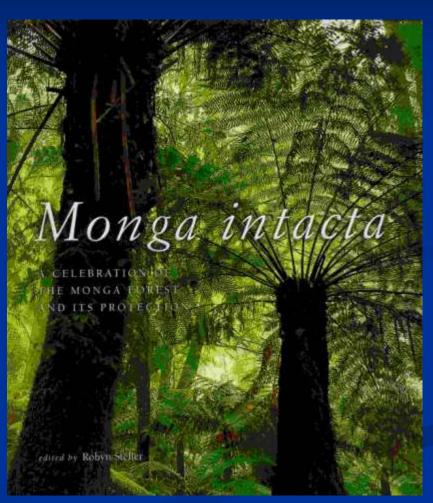


The Mongarlowe River and catchment

There is so much that is special:

- the gorgeous Mongarlowe River, with its ferny banks and reflective water;
- the waratahs that flower every November; the few giant eucalypts that have escaped the logging, which may be a thousand years old;
- the fern-fringed spring where the Mongarlowe River rises; the ancient, gnarled eucryphias, each one with its own individual personality, reminding one of Tolkien's Ents, as though Treebeard has journeyed to Monga from Middle Earth.

In March their petals fall to the ground like confetti. In the exquisite pockets of rainforest, fairy dells of treeferns drip with mosses and epiphytes. Human-created art works can be found tucked away in unexpected places, inspired by and made out of the natural vegetation.





Summary

The Macquarie Perch is endangered and in serious decline throughout most of its former range. This project will improve knowledge through habitat assessment and species monitoring. It will produce a Conservation Information package for the community. It will achieve targeted and general community awareness, and identify ongoing conservation needs.

Objectives

Species / Ecological Community Conservation Objectives

- Habitat identification using standardised methods,
- Species monitoring,
- Develop and distribute tailored *conservation information*.

Community Capacity Building Objectives

- General and targeted community awareness raising,
- Start at least five private conservation initiatives,
- Raise fisher awareness of conservation issues through signposting.

FMR Macquarie Perch Project



Partners

- Southern Rivers Catchment Management Authority
- The NSW Department of Primary Industries,
- Palerang Shire Council
- Department of Environment and Conservation
- Sydney Catchment Authority
- Mongarlowe Landcare Group
- Mongarlowe Bushfire Brigade
- Braidwood Fishing Club



Mysteries of the Mongalowe Macquarie Perch

Changing climates

Movement, breeding, survival, compromised in long drought?



A conservation opportunity

Protect the Macquarie perch, protect other local values – like drinkable water, native vegetation, weed management etc.

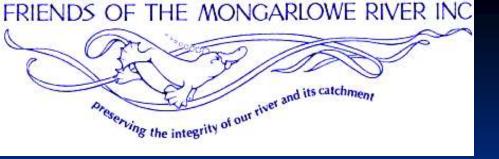
An ecosystem indicator

rare birds or possums may exist in remnant bush patches.... But it seems that you need a whole intact river to maintain a rare fish.

Bigger than you'd expect

The eastern variety only grows to 20cm, but the Murray Darling sub-species is twice as long.

Like the Maccas in the Mongarlowe River



Habitat identification using standard methods

SRCMA

- Rapid appraisal of riparian condition;
- River styles

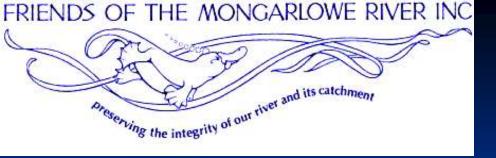
DPI

- Water quality
- In-stream assessment

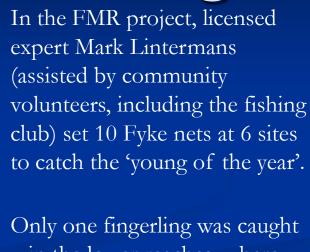


FRIENDS OF THE MONGARLOWE RIVER INC

Site name:		Site code: FMR	Date: Collector/s:	
Site details GPS top: GPS bottom: Approximate length: Average width: Map: Grid Ref: Land owner: Access:	General info – tick one both Habitat 1° 2° Pool	Flow level High Moderate Low Dry Dry	Partly conf Poor Step Bar Deep hole	
The codes on the Right are to be used in the boxes below. Fill in each box. Substrate Bedrock Boulder Cobble Gravel Sand Mud/silt Clay Unknown	Open <50%	Velocity Fast (>0.5m/s) Moderate Slow (<0.1m/s) Si		, 🗆



Species Monitoring



Only one fingerling was caught

– in the lower reaches, where
there are carp and gambusia,
open riparian vegetation and
higher turbidity.

Other rivers were giving similar results during the drought....

Until "Thought you might be interested to know that I netted Cotter reservoir last week and caught 626

Maccas from 16 fyke nets"



Mongarlowe Friends' search for perch

the Mongarlowe River received a Macquarie Perch.

river riparion landowners have ance been spottiguting an research at various since along the even fishing only at various will continue Mark throughout this year.

A Steparian Assessment workshop was given by Rebecca Cole of the Southern Rivers Catchment Authority and a Winer

shop given by the Fisheries. The Mongarlowe Fire Brigade and Mongarlowe Landcare have also been active in

apporting this project.

Last work, with the help of Threatened Species Network the Braidwood Fishing Club. Grant to fund the study of the prime fishing aposs were shown rant to find the study of the acquarie Perch. In The Macquarie Perch is an of ladastree-Pinteries for signs Assembles freshwater fish that is to be errored. A couple of treat issued endangered and in decline signs were included. The throughout most of its forner. Macquaris Porch sign explains about the fish with a prominent The Friends, with the help of picture for identification, the Braidwood Fishing Club and prompting immediate release if

It encourages here and/or fly

Lintermans. Macquarie Perch expert, was recently shown sizes for impection to be the spots for Macquarie. Perch catch and reigner. Mark has appropriate permits to under-Monitoring assessment works take threatened fish species sampling and will collect samples (fin clips) for genetic analysis.

HOODS. www.artplan.com.au/four



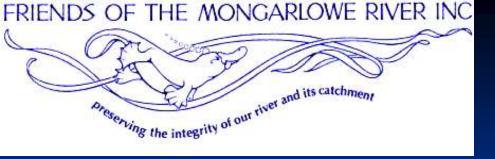
New sign at Mongarlowe Bridge dauseway: pictured L-R, Su Wildriver, Mark Lintermans, Di Bott, Paul Dann and Paul

General awarenessraising









Conservation initiatives

At least 5 Voluntary
Conservation Agreements or
Conservation Covenances
commenced by riparian
landholders — to be available as
models to other landholders in
the future.



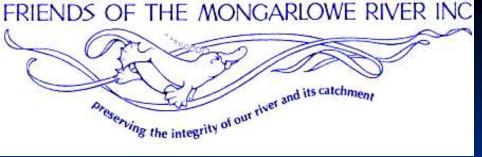


Community Connections

"The Macquarie Perch project has been great for getting across all parts of society. It helps us to liaise with a lot of people who aren't greenies. Various people who are very down on greenies, plus the fishing club and others are all very friendly and supportive of this project."

Di Bott, FMR President





Community-agency partnerships

\$11,400 grant plus over \$24,000 in-kind contribution.

We hope that by combining species monitoring with habitat assessments, we can identify conservation priorities for the future. These assessments are also providing valuable ground-truthing for a new CMA initiative that has used satellite images to generate information about Southern Rivers catchments.

