

RECOVERY TEAM ANNUAL REPORT

THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION

Recovery Team

Lake Bryde

Reporting Period

Submission date 31 March

DATE FROM: March 2013

DATE TO: March 2014

Current membership

Member		Representing
Chair	Greg Durell (District Manager)	DPaW (Great Southern)
Exec Officer	Kevin Hemmings (Recovery Catchment Officer)	DPaW (Great Southern)
members	Richard Sutton, Raymond Pybus, Marie Edgley, Wendy Chow and selected landholders	DPaW and landholders

Dates meetings were held

No meetings held.

Highlights of achievements for the previous 12 months suitable for publication in *WATSNU* and contribution to DEC annual report. Provide 1-2 paragraphs summarising total number of new populations located, surveys completed, list major management actions etc

The Threatened Ecological Species *Muehlenbeckia Horrida* subsp *abditata* with *Tecticornia Verrucosa* exists on three lake beds within the Lake Bryde Recovery Catchment (Lake Bryde, East Lake Bryde and one lake in Lakelands Nature Reserve). The monitoring project is now in its second phase with the reduction of TEC monitoring to an annual regime in 2012. Fencing of the TEC in Lakeland NR to protect the TEC from grazing was completed in 2011. Grazing can be reasonably assumed to be caused by rabbits which have subsequently been removed through baiting. There is now no difference between plants inside and outside of fenced quadrats. On Lake Bryde during the TEC monitoring in 2013 50% of the lake bed was purple due to the *tecticornia verrucosa*. Visitors to the lake and landholders have been visiting specifically to see this beautiful and colourful spectacle. Wendy Chow from Species and Communities branch has completed a project on the TEC at Lake Bryde and the recovery catchment as part of her masters studies. The recovery catchment will look to draw on the findings of this work to manage the TEC in the future as part of the Lake Bryde Recovery Catchment Recovery Plan which will be completed in 2014.

List of recovery actions coordinated by Recovery Team

Detail under the headings below the recovery actions undertaken during the reporting period. Provide separate detail for each species/community against each action. For species/community-specific recovery teams, the generic activity types below can be replaced by the specific recovery actions from the recovery plan where appropriate.

Monitoring and survey of existing and new populations/ occurrences, targeted surveys, critical habitat mapped etc.	<p>The annual monitoring was completed in Spring with recovery catchment staff and some volunteers.</p> <p>All monitoring data has successfully been uploaded to the TEC database. The last plant in the population of <i>tecticornia verrucosa</i> in Lakelands did die, however there are now more than 100 plants existing on the lake bed following a small wetting event. The <i>muehlenbeckia horrida</i> subsp <i>abdita</i> in this location is very healthy with significant new growth on all plants.</p>
Threat amelioration eg weed control/mapping, fencing/ repairs, fire management disease management, feral/ introduced animal control, installation of roadside markers	<p>Fencing against grazing animals in Lakelands NR has been kept. There is no difference between plants inside and outside fencing and therefore logical conclusion is that impact was due to rabbits which have subsequently been baited and removed (Baiting in Lakelands NR successful).</p> <p>Very minimal impact from weeds at any of the three sites.</p> <p>Lake Bryde population of <i>muehlenbeckia</i> continues to appear to be the most threatened by salinity.</p>
Conservation and research e.g. fire research, translocation, ex-situ conservation, revegetation/rehabilitation etc	<p>Wendy Chow from species and communities branch has completed a masters project on the TEC at Lake Bryde and the recovery catchment is awaiting the presentation of her findings.</p>
Liaison, education/provision of advice e.g. promotional material inc newspaper/ magazine articles, liaison with land managers/ owners, input to impact assessment, development of specific management plans, volunteers assisting with surveys/ monitoring etc.	<p>The Lake Bryde 6 monthly newsletter has been issued to all landholders and stakeholders of the recovery catchment.</p> <p>Significant progress has been made towards completing the Lake Bryde Recovery Plan. Some delays have occurred due to other commitments, however it is envisaged that a draft recovery plan will be completed during 2014.</p>
Land use/tenure changes e.g. covenants, acquisitions, changes in land use or listed purpose etc.	N/A
Conservation status reviews for taxa/TECs e.g. nominations for additions, deletions or change in status to state threatened or priority lists; changes to EPBC list	N/A
Recovery plans e.g. recovery plans/ IRPs drafted, approved, reviewed or updated	<p>Significant progress has been made towards completing the Lake Bryde Recovery Plan. Some delays have occurred due to other commitments, however it is envisaged that a draft recovery plan will be completed during 2014.</p> <p>The findings from Wendy Chows study at Lake Bryde should be incorporated into the recovery plan for the catchment and TEC.</p>
Other actions completed	N/A