

THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION

Recovery Team	Esperance District Threatened Flora and Communities Recovery Team
Reporting Period	Calendar year 2012 to March 2013

Current membership

Member		Representing
1. Chair	Stephen Butler	Nature Conservation Coordinator, DEC Esperance
2. Exec Officer	Emma Adams	Flora Conservation Officer, DEC Esperance
3.	David Coates	Principle Research Scientist, Herbarium DEC
4.	Sarah Comer	Regional Ecologist, DEC South Coast Region
5.	Anne Cochrane	Threatened Flora Seed Centre DEC
6.	Andrew Brown	Coordinator (Threatened Flora) Species and Communities Branch DEC
7.	Wayne Gill	Land for Wildlife, DEC Esperance
8.	Paul Clifton	Esperance Shire
9.	Robyn Cail	South Coast Natural Resource Management
10.	Coral Turley	Community Representative Esperance Wildflower Society
11.	Sarah Barrett	Flora Conservation Officer, DEC Albany
12.	Megan Jones	Environmental Officer, Horizon Power
13.	Joann Johnston	Environmental Officer, Main Roads WA
14.	Barbara Archer	Community Representative, Norseman Shire

Dates meetings were held	17 th May 2012 and 26 th February 2013
Highlights of achievements for the previous 12 months suitable for publication in <i>WATSNU</i> and contribution to DEC annual report. Provide 1-2 paragraphs summarising total number of new populations located, surveys completed, list major management actions etc	<p>Nominated <i>Allocasurina globosa</i> as DRF</p> <p>Surveys of potential <i>Myoporum turbinatum</i> (CR) habitat on private property in the Beaumont area has located 17 new extant populations with 391 new plants recorded on three different properties. Possible downlist to Vulnerable?</p> <p>New population of <i>Lambertia echinata</i> subsp <i>echinata</i> (CR) found at</p>

	<p>New island Bay. Contains 2/3 of all known extant plants.</p> <p>2 new populations of <i>Euvalyptus insularis</i> in Cape Le grand NP.</p> <p>3 new populations of <i>Eremophila lactea</i> were discovered on private property during a Land for Wildlife survey of Loc 1526, NW corner of Grass Patch and Belgian Road. 15+ new plants.</p>
<p>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.</p>	
<p>Monitoring and survey of existing and new populations/ occurrences, targeted surveys, critical habitat mapped etc.</p>	<p>Monitored</p> <ul style="list-style-type: none"> • <i>Lambertia echinata</i> subsp <i>echinata</i> (CR) • <i>Eremophila lactea</i> (CR) • <i>Eucalyptus insularis</i> (VU) • <i>Eucalyptus platydisca</i> (VU) • <i>Lambertia echinata</i> subsp. <i>echinata</i> (CR) • <i>Marianthus aquilonaris</i> (CR) • <i>Myoporum turbinatum</i> (CR) • <i>Rhizanthella gardneri</i> (CR) <p>Monitored <i>Allocasurina globosa</i> populations within Bremer Range. Two new populations located at Mt Glasse and Bureister Hill</p> <p>Surveys of potential <i>Myoporum turbinatum</i> (CR) habitat on private property in the Beaumont area has located 17 new extant populations with 391 new plants recorded on three different properties.</p> <p><i>Eremophila lactea</i> (CR) - 3 New populations found on a LFW property.</p> <p>Surveys of potential <i>Daviesia microcarpa</i> habitat located 25 new plants increasing the area of occupancy for population 3.</p> <p>Surveys for <i>Marianthus aquilonaris</i> - no new populations found</p> <p><u>Conservation status / Priority Flora surveys</u> Surveys and monitoring of the following priority species:</p> <ul style="list-style-type: none"> ▪ <i>Acacia nitidula</i> (P2) ▪ <i>Eremophila glabra</i> subsp. Scadden (P1) ▪ <i>Eremophila purpurascens</i> (P3) ▪ <i>Eucalyptus balanopelex</i> (P1) ▪ <i>Eucalyptus jimberlanica</i> (P1) ▪ <i>Eutaxia actinophylla</i> (P3) ▪ <i>Persoonia baeckeoides</i> (P1) ▪ <i>Pimelea pelinos</i> (P1) ▪ <i>Scaevola archeriana</i> (P1) <p>New populations found for the following priority species</p> <ul style="list-style-type: none"> ▪ <i>Eucalyptus misella</i> (P3) ▪ <i>Eucalyptus famelica</i>(P3) ▪ <i>Eucalyptus dolichorhyncha</i> (P4) ▪ <i>Acacia nitidula</i> (P2) ▪ <i>Persoonia baeckeoides</i> (P1) ▪ <i>Goodenia turleyae</i> (P1) ▪ <i>Acacia dorsenna</i> (P1) ▪ <i>Leucopogon multiflorus</i> (P2)

	<ul style="list-style-type: none"> ▪ <i>Olearia laciniifolia</i> (P2) ▪ <i>Lasiopetalum maxwellii</i> (P3) ▪ <i>Halgania</i> sp Peak Eleanor (P2) ▪ <i>Bossiaea flexuosa</i> (P3) ▪ <i>Conostephium marchantiorum</i> (P3) ▪ <i>Goodenia laevis</i> subsp. <i>laevis</i> (P3) ▪ <i>Persoonia cymbifolia</i> (P3) ▪ <i>Persoonia scabra</i> (P3) <p>Targetted surveys for: <i>Banksia prolata</i> ssp. <i>calicola</i> (one new pop located. High numbers), <i>Melaleuca incana</i> spp. <i>tenella</i> - 13 new populations found</p> <p><i>Persoonia baeckeoides</i> Searched areas of similar habitat and found new populations with healthy plants and lots of seed (some had been eaten and the 'pip' spat out). Collected seed from a number of plants, took photos and GPSed individual plants. Seed passed on the Anne Cochrane for use and storage at the Threatened Flora Seed Centre.</p> <p>New populations of <i>Microcybe</i> sp. Windy Hill (P1) in Bremer Range New Population of <i>Stylidium validum</i> (P1) Undescribed <i>Philothea</i> found in Bremer Range New populations of <i>Lasiopetalum maxwellii</i> (P2) <i>Leucopogon multiflorus</i> (P2) <i>Gastrolobium acrocaroli</i> (P2)</p>
Threat amelioration eg weed control/mapping, fencing/ repairs, fire management disease management, feral/ introduced animal control, installation of roadside markers	<p>Marker installed at <i>Banksia sphaerocarpa</i> var. <i>dolichostyla</i> population 17 and individual plants flagged in readiness for track widening and upgrade. Permit to take sort.</p> <p>Markers installed at various roadside <i>Eremophila lactea</i> populations.</p> <p>Markers installed <i>Marianthus aquilonaris</i></p> <p>Myoporum turbinatum fencing two lakes on one private property and one lake on another private property</p>
Conservation and research e.g. fire research, translocation, ex-situ conservation, revegetation/rehabilitation etc	<p>Seed collection: <i>Persoonia baeckeoides</i> Collected seed from a number of plants in new populations <i>Eremophila lactea</i> populaion 5a <i>Lambertia echinata</i> subsp. <i>echinata</i> Dalyup translocation</p> <p>Fire research <i>Lambertia echinata</i> subsp. <i>echinata</i>, New island Bay <i>Eremophila lactea</i> <i>Marianthus aquilonaris</i> - (revealed important info that it is a facultative seeder - sprouter)</p> <p>Translocations</p> <ul style="list-style-type: none"> ▪ Monitoring of translocations (3) and seed orchards (2) for <i>Lambertia echinata</i> subsp. <i>echinata</i>. Two translocations carried out in 2010 are surviving well with Coolinup NR having 80% survival rate. ▪ <i>Daviesia microcarpa</i> translocation monitored.
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,	<p>Updated the Esperance Declared Rare Flora book</p> <p>Shire threatened flora book completed and distributed to Shire Environmental officer for distribution.</p> <p>Flyers completed for <i>Myoporum turbinatum</i>, <i>Eremophila lactea</i>, <i>Davesia</i></p>

volunteers assisting with surveys/ monitoring etc.	<p>macrocarpa, <i>Lambertia echinata</i> subsp. <i>echinata</i> and <i>Marianthus aquilonaris</i></p> <p>Ongoing liaison with land managers in Heywood / Karl Berg road area regard the occurrence of <i>Myoporum turbinatum</i> on their properties and the provision of fencing materials and seedlings to protect populations and improve critical habitat.</p>
Land use/tenure changes e.g. covenants, acquisitions, changes in land use or listed purpose etc.	
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	<p>UPGRADES</p> <ul style="list-style-type: none"> • <i>Allocasuarina globosa</i> - upgraded to DRF from P1 <p>DOWNGRADES</p> <ul style="list-style-type: none"> • <i>Marianthus mollis</i> (VU to P4) • <i>Verticordia vicinella</i> P4 to off list • <i>Acacia aemula</i> ssp. <i>aemula</i> (P4 to downlisted) • <i>Thysanotus parviflorus</i> (P2 - P4) • <i>Gonocarpus simplex</i> (P3 - P4) • <i>Euryomyrtus leptospermoides</i> - delisted • <i>Hakea pendens</i> (P2-P3) • <i>Meleleuca incana</i> ssp. <i>tenella</i> - delisted • <i>Banksia prolata</i> ssp. <i>prolata</i> (P1-P4) <p>ADDITIONS</p> <ul style="list-style-type: none"> • <i>Acacia</i> sp. Lake Johnston • <i>Commersonia apella</i> • <i>Uticularia helix</i> • <i>Uticularia westonii</i> • <i>Stackhousia stratfordiae</i> • <i>Persoonia spathulata</i> <p>Recommendations sent to SCB:</p>
Recovery plans e.g. recovery plans/ IRPs drafted, approved, reviewed or updated	<ul style="list-style-type: none"> ▪ <i>Lambertia echinata</i> subsp. <i>echinata</i> IRP review completed ▪ Review of other CR taxa IRPs carried out
Other actions completed	<p>ABC online and radio interview carried out regarding Underground Orchid (<i>Rhizanthella gardneri</i>)</p>