



THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION		
Recovery Team name	Esperance Threatened Flora	
Reporting Period (Calendar Year)	Calendar year 2007	
Current membership		
	Member	Representing
1. Chair	Klaus Tiedemann (District Manager)	Esperance District Department of Environment and Conservation
2.	Emma Adams (Conservation Officer)	Esperance District Department of Environment and Conservation
3.	Julie Patten (Nature Cons. Coordinator)	Esperance District Department of Environment and Conservation
4.	Andrew Brown (Coordinator Threatened Flora)	Species and Communities Branch Department of Environment and Conservation
5.	Dave Coates (DEC Science)	Department of Environment and Conservation
6.	Coral Turley	Esperance Wildflower Society
7.	Barbara Archer	Shire of Dundas (community volunteer)
8.	Paul Clifton	Shire of Esperance
9.	Josette O'Donnell	Esperance Regional Forum
10.	Annabelle Bushell	South Coast Natural Resource Management
Dates meetings were held	19 th January 2007, 20 th July 2007	
One to two paragraph summary of achievements suitable for WATSNU	Major recovery actions implemented involved surveys and monitoring of threatened and priority populations, surveys of new habitat, implementing and monitoring translocations, phosphite application, seed collection, disturbance trials, mapping of critical habitat and reviewing IRPs. Several conservation status nominations were proposed, including nomination of <i>Darwinia calothamnoides</i> ms. for DRF (CR) from P1 and downgrade of <i>Stachystemon vinosus</i> from DRF (EN) to P4. One Interim Recovery Plan review was completed for <i>Eremophila lactea</i> .	
List of actions undertaken by Recovery Team (from actions in Recovery Plan)		
KEY ACTIONS		

<p>Action 1</p>	<p><u>Monitor extant populations (DRF)</u></p> <ul style="list-style-type: none"> ▪ <i>Anigozanthos bicolor</i> subsp. <i>minor</i> (DRF – EN) ▪ <i>Boronia revoluta</i> (DRF – VU) ▪ <i>Daviesia microcarpa</i> (DRF – CR) ▪ <i>Eremophila lactea</i> (DRF – CR) ▪ <i>Eremophila denticulata</i> ssp. <i>trisulcata</i> (DRF – EN) ▪ <i>Eremophila denticulata</i> ssp. <i>denticulata</i> (DRF – VU) ▪ <i>Eremophila ciliata</i> (DRF – CR) ▪ <i>Eucalyptus platydisca</i> ms. (DRF – VU) ▪ <i>Lambertia echinata</i> ssp. <i>echinata</i> (DRF – CR) ▪ <i>Marianthus mollis</i> (DRF – VU) ▪ <i>Myoporum turbinatum</i> (DRF – CR) ▪ <i>Rhizanthella gardneri</i> (DRF – CR) ▪ <i>Tetratheca aphylla</i> subsp. <i>megacarpa</i> (DRF – VU)
<p>Action 2</p>	<p><u>Conduct further surveys of (new habitat)</u></p> <ul style="list-style-type: none"> ▪ <i>Myoporum turbinatum</i> (DRF – CR) ▪ <i>Lambertia echinata</i> subsp. <i>echinata</i> (DRF – CR) ▪ <i>Eremophila denticulata</i> subsp. <i>denticulata</i> (DRF – VU)
	<p><u>Conservation status surveys</u> Surveys of the following priority species:</p> <ul style="list-style-type: none"> ▪ <i>Caladenia longifimbriata</i> (P1) ▪ <i>Gastrolobium involutum</i> (P1) ▪ <i>Myoporum velutinum</i> (P1) ▪ <i>Melaleuca agathosmoides</i> (P1) ▪ <i>Dryandra viscida</i> (P2) ▪ <i>Gastrolobium rigidum</i> (P2) ▪ <i>Grevillea insignis</i> subsp. <i>elliottii</i> (P2) ▪ <i>Hibbertia acerosa</i> (P2) ▪ <i>Goodenia varia</i> (P2) ▪ <i>Banksia epica</i> (P2) ▪ <i>Spyridium subochreatum</i> var. <i>subochreatum</i> (P2) ▪ <i>Melaleuca eximia</i> (P2) ▪ <i>Leucopogon apiculatus</i> (P2) ▪ <i>Leucopogon rotundifolius</i> (P3)
<p>Action 3</p>	<p><u>Translocations</u></p> <ul style="list-style-type: none"> ▪ Planting of second seed orchard for <i>Lambertia echinata</i> subsp. <i>echinata</i> completed. ▪ Monitoring of <i>Daviesia microcarpa</i> translocation ▪ Surveys for suitable site for upcoming translocation of <i>Lambertia echinata</i> subsp. <i>echinata</i> and <i>Myoporum turbinatum</i>.
<p>Action 4</p>	<p><u>Implementation and Monitoring of Disturbance Trials</u></p> <ul style="list-style-type: none"> ▪ Disturbance trials conducted in 2004 for <i>Eremophila lactea</i> were monitored, with germination of seedlings observed. ▪ Further disturbance trials were conducted in May 2007 for <i>Eremophila lactea</i> to replicate the 2004 trials to confirm that the previous results weren't dependent on some unreported aspect of the first trials and to provide further confidence for future management directions. ▪ Disturbance trials conducted in 2004 for <i>Daviesia microcarpa</i> were monitored, with no germination of seedlings observed.
<p>Action 5</p>	<p><u>Phosphite Application</u></p> <ul style="list-style-type: none"> ▪ Aerial phosphite application continued on <i>Lambertia echinata</i> subsp. <i>echinata</i> populations in Cape Le Grand National Park. An additional 8.4ha was added, increasing the total spray area to 34.2 ha.

	<p><u>Seed Collection</u></p> <ul style="list-style-type: none"> ▪ <i>Myoporum turbinatum</i> (DRF – CR) ▪ <i>Eremophila lactea</i> (DRF –CR) ▪ <i>Stachystemon vinosus</i> (DRF – EN) ▪ <i>Drummondita longifolia</i> (DRF – VU) ▪ <i>Isopogon alpicornis</i> (P3) ▪ <i>Eucalyptus</i> sp. Esperance (P1) ▪ <i>Dryandra longifolia subsp. calcicola</i> (P1) ▪ <i>Goodenia varia</i> (P2)
Action 6	<p><u>Interim Recovery Plan Preparation</u></p> <ul style="list-style-type: none"> ▪ Review of <i>Eremophila lactea</i> IRP completed.
Criteria for success or failure as described in Recovery Plans or Interim Recovery Plans	Criteria for success have been met.