



**THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM**

**PROGRAM INFORMATION**

<b>Recovery Team name</b>	'Sedgeland in Holocene dune swales Recovery Team'	
<b>Reporting Period (Calendar Year)</b>	Calendar year 2011	
<b>Current membership</b>		
	<b>Member</b>	<b>Representing</b>
<b>1. Chair</b>	<b>Ms Val English</b>	DEC
<b>2. EXEC OFFICER</b>	-	
<b>3.</b>	<b>Dr Neil Gibson</b>	DEC Science Division
<b>4</b>	<b>Professor Phillip Jennings</b>	Wetlands Conservation Society
<b>5.</b>	<b>Ms Kate Brown</b>	DEC Urban Nature
<b>6</b>	<b>Mr David Mort</b>	City of Rockingham
<b>7.</b>	<b>Mr Robert Cambell</b>	DEC Regional Parks
<b>8.</b>	<b>Mr Bob Goodale</b>	Community representative
<b>9.</b>	<b>Mr Brad Johnson</b>	DEC Regional Parks
<b>Dates meetings were held</b>	23 November 2011	
<b>One to two paragraph summary of achievements suitable for WATSNU</b>	<p><b>Summary</b></p> <p>Members of the Recovery Team for the 'sedgeland in Holocene dune swales' dealt with a series of issues in 2011 including negotiations and advice about areas that contain the sedgeland community and are the subject of proposals for reservation or development. This included negotiations to minimise impacts with regard to development of land at east Golden Bay, IP14 Rockingham Industrial Zone, Bakewell Drive Port Kennedy, Waikiki Station, and the proposed Mangles Bay Marina that occurs near the Lake Richmond occurrences. The establishment of a 90ha reserve that contains the sedgeland TEC, monitoring, rubbish removal, weed control and fencing are commitments associated with development at IP14.</p> <p>An update of the recovery plan was completed for the community, and is displayed on the web. An article about the new plan was published in WATSNU (Species and Communities branch newsletter) in December</p>	

	<p>2011 and an article about the sedgeland TEC was published in Landscape.</p> <p>Under the direction of DEC's Regional Parks Branch work was continued on controlling Geraldton carnation weed and Pelargonium control undertaken at Port Kennedy Scientific Park. Control of cotton bush and <i>Juncus acutus</i> has been undertaken around Lake Cooloongup and Walyungup.</p>
<b>List of actions undertaken by Recovery Team (from actions in Recovery Plan)</b>	
<b>KEY ACTIONS</b>	
<b>Action 2</b>	<p><b>2. <i>Continue to liaise with relevant groups to implement this plan</i></b></p> <p>In 2011, the recovery team continued to liaise with numerous groups including local government, industry and the local community to implement the recommendations in the updated recovery plan. In particular, members of the team were involved in negotiations to minimise impacts with regard to development of land, or in seeking to improve management of land at east Golden Bay, IP14 Rockingham Industrial Zone, and the proposed Mangles Bay Marina that occurs near the Lake Richmond occurrences. The development of a 90ha reserve, development of a water management strategy, rubbish removal, resources for weed control, fencing and other management are conditions on the approval for development of a heavy industrial site at IP14.</p> <p>Articles were published in WATSNU and Landscape about the community and the updated recovery plan</p>
<b>Action 1</b>	<p><b>3. <i>Identify all occurrences of the community</i></b></p> <p>Additional occurrences of the community in east Golden Bay were investigated and mapped by Species and Communities Branch. New data was added to DEC's Threatened Ecological Community Database.</p>
<b>Action 4</b>	<p><b>4. <i>Continue to minimise recreational disturbance to the community</i></b></p> <p>Regional Parks Branch continued to work with Mirvac Pty Ltd, the City of Rockingham and the Western Australian Police with regard to managing vehicle access at Port Kennedy Scientific Park. Targeted off road vehicle operations were carried out. Fence maintenance was ongoing.</p> <p>An on-site meeting of Regional Parks, Species and Communities Branch was held on 30 August 2011 to discuss the location of the dual use path to ensure it does not impact the sedgeland TEC.</p> <p>Liaison continued between Species and Communities Branch, Regional Parks, and LandCorp about the management of the sedgeland community at Bakewell Drive Port Kennedy.</p>
<b>Action 6</b>	<p><b>7. <i>Continue to implement weed control strategy</i></b></p> <p>Consistent with the Weed Control and Rehabilitation Plan for Rockingham Lakes Regional Park, Regional Parks Branch directed work</p>

	on controlling Geraldton carnation weed and <i>Pelargonium</i> at Port Kennedy Scientific Park and cotton bush and <i>Juncus acutus</i> around Lake Coo loongup and Walyungup.
<b>Action 10</b>	<p><b>11. <i>Establish minimum and maximum threshold water levels and quality, seek to influence land management practices to maintain hydrology</i></b></p> <p>Relevant hydrological data were compiled in the updated recovery plan and are continuing to be collected for some bores by various groups including DoW for areas close to the TEC. The bores at IP14 continue to be monitored as a condition of development of the site.</p>
<b>Action 11</b>	<p><b>12. <i>Monitor the need for rehabilitation in the community</i></b></p> <p>The effectiveness of the fence at Point Becher in protecting the sedgeland from illegal 4x4 vehicles coming in from the beach, is being monitored by DEC Regional Parks.</p> <p>A condition that requires resources for rehabilitation of the community was placed on the IP14 development.</p>
<b>Action 3</b>	<p><b>14. <i>Continue negotiations for appropriate management of other occurrences outside reserves managed for conservation</i></b></p> <p>Members of the Recovery Team provided advice and recommendations with regard to impact of development on the sedgeland at IP14, and other areas including east Golden Bay. Rehabilitation of at least 9ha of the sedgeland TEC is a condition of development of the IP14 area.</p>
<b>Action 7</b>	<p><b>15. <i>Continue to report on success of recovery plan</i></b></p> <p>An article about the sedgeland community was published in Landscape, and an article about the updated recovery plan was published in WATSNU.</p> <p>This report completes this action for 2011.</p>
<b>Criteria for success as described in Interim Recovery Plan</b>	<p><b>ASSESSMENT OF PROGRESS TOWARDS MEETING CRITERIA FOR SUCCESS AS DESCRIBED IN RECOVERY PLAN</b></p> <p><i>The plan will be deemed a success if, after the 5 year term of the plan there has been:</i></p> <ul style="list-style-type: none"> <li><i>an increase of one or more in the number of occurrences of this community managed for conservation and/or with conservation included in their purpose and that leads to an increase in the completeness of a geomorphic age sequence;</i></li> </ul> <p>Ongoing; Some of the oldest dune swales in the sequence will be included in the reservation area at IP14 as part of a ministerial conditions placed on that development. Newly identified occurrences at east Golden Bay will be placed in special conservation areas.</p> <ul style="list-style-type: none"> <li><i>representative areas of each geomorphic age sequence maintained in the same or improved condition (Bush Forever 2000 scales),</i></li> </ul> <p>Ongoing monitoring required. Recent data indicate the condition is stable in most occurrences monitored.</p>

	<ul style="list-style-type: none"><li>• <i>90% or more of the aerial extent of occurrences maintained at the same condition rank, or improved (Bush Forever 2000 scales).</i></li></ul> <p>Ongoing monitoring required. Recent data indicate the condition is stable in most occurrences monitored.</p>