



THREATENED SPECIES AND/OR COMMUNITIES RECOVERY TEAM

PROGRAM INFORMATION	
Recovery Team name	THROMBOLITE (STROMATOLITE-LIKE MICROBIOLITE) COMMUNITY OF A COASTAL BRACKISH LAKE (Lake Clifton) RECOVERY TEAM
Reporting Period	Calendar year 2007
Current membership	
Member	Representing
1. Chair	David Mitchell Nature Program Leader, DEC Swan Region
2. Exec Officer	Jill Pryde DEC Species & Communities Branch
3.	Jim Lane DEC Science Division
4	Steve Dutton Snr Ranger, DEC
5.	Dr Brenton Knott University of Western Australia
6	Fiona O'Connor Coordinator, Lake Clifton Landcare Group
7	Jane O'Malley City of Mandurah
8	Amanda Willmott Water and Wetlands Officer, Peel-Harvey Catchment Council
9	Anthony Barr CSIRO
Dates meetings were held	No recovery team meeting was held in 2007. Information was exchanged via email and members informed of actions and activities.
One to two paragraph summary of achievements suitable for WATSNU	<p>Summary</p> <p>A draft monitoring strategy for the Lake Clifton Thrombolite Community has been completed by the new DEC Hydrologist. Once this strategy is finalised and accepted by the recovery team, a monitoring protocol will be put in place for the TEC.</p> <p>A PhD candidate has undertaken research to evaluate the impact of salinity and nutrient levels on the aquatic biota in Lake Clifton.</p> <p>Members of the recovery team responded to a range of issues in relation to proposals for reservation, extraction or development that may impact the Lake Clifton thrombolite community.</p> <p>Members presented information on the Lake Clifton TEC through community consultation forums including Fragyle (Friends of Ramsar Acton Group for the Yalgorup Lakes Environment Inc) community information day (Jill and Brenton) and Jill attended the Action Planning Workshop for the Peel-Yalgorup System in December 2008;</p> <p>A community nomination was submitted by the Peel-Harvey Catchment Council to the Commonwealth to seek listing of the TEC under the EPBC Act.</p>
List of actions undertaken by Recovery Team	<p>The Lake Clifton-Herron Landcare Group, in conjunction with the City of Mandurah's community landcare officer and bushland crew have continued to carry out weeding along the riparian zone of the lake. A vegetation survey was conducted by the group to guide future rehabilitation work for this particular site for 2008.</p> <p>It is proposed that the City of Mandurah will implement some of the recommendations in the Lake Clifton Land Use Survey, conducted by Dolores Soler-Pittman in 2005 and adopted by the Council in 2006. It is expected that a compliance officer will visit properties within the Lake Clifton Catchment area as defined by the EPA's <i>Final Criteria of Environmental Acceptability for Land Use Proposals with the Catchment of Lake Clifton</i>.</p>
KEY ACTIONS	A community nomination of the Lake Clifton thrombolite community has recently been submitted to the Commonwealth for possible listing of the TEC under the <i>Environment</i>

	<p><i>Protection and Biodiversity Conservation Act 1999</i>. This was initiated by the Waterways and Wetlands Officer of the Peel-Harvey Catchment Council and was completed with assistance from DEC.</p>
<p>Assessment of progress towards meeting criteria for success (from Recovery Plan)</p>	<p>Until the monitoring has been initiated, it will be difficult to assess the criteria for success for the TEC.</p>
<p>Assessment against criteria for failure (from Recovery Plan)</p>	<p>The current Interim Recovery Plan (IRP) covers the period 2000-2009 and states that the criteria for failure are significant and sustained detrimental changes to water quality or water levels in Lake Clifton, significant decline in area of living thrombolites, major shift in composition of the microbial community. It cannot be determined at this point if any of the thrombolites are alive.</p>