

Annex 1

Draft Work Plan

DRAFT 2000

Management Mechanism	Action	Responsibility	Time frame	Success Measure	Level of Achievement
Roles And Responsibilities of Government					
State Government Role	<p><u>Background</u></p> <p>The key state government agency dealing with native vegetation management and monitoring is the Department for Environment and Heritage (DEH). The Department is responsible for administering and implementing biodiversity related legislation, particularly the regulation of vegetation clearance; developing knowledge of the States biodiversity; identification and amelioration of significant threats to species and ecological communities; sustainable management and use of pastoral country and the sustainable use of wildlife. Other agencies involved in vegetation management and monitoring include Primary Industries and Resources SA, Department of Transport, Urban Planning and the Arts; Department of Administrative and Information Services (Forestry SA) and the Department of Water Resources.</p> <p><u>Actions</u></p> <ul style="list-style-type: none"> • Administer and review legislation regarding native vegetation protection and management, • Development of legislation and or systems for delivering integrated natural resource management • Prepare discussion paper on merits of developing a State Biodiversity Strategy • Provide input to Review of National Strategy for Conservation of Australia's Biological Diversity and National Framework for the Management and monitoring of Australia's Vegetation 	<p>DEH</p> <p>PIRSA ,DWR & DEH</p> <p>DEH</p> <p>DEH</p>	<p>June 2000</p> <p>Dec 2000</p> <p>Dec 2000</p> <p>June 2000</p>	<p>Legislation reviewed and amended</p> <p>Legislation and systems in place</p> <p>Discussion paper prepared</p> <p>Comments provided Report published</p>	<p>Legislation reviewed and public consultation undertaken</p> <p>Draft Bill being prepared and Cabinet Submission proposed by Dec</p> <p>Draft discussion paper completed Full paper by year end</p> <p>Input provided; resources preclude adequate comment</p>

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	<ul style="list-style-type: none"> Prepare State of Environment Reports 	DEH	2003		
Local Government Role	<p>National Local Government Biodiversity Strategy</p> <p><u>Background</u></p> <p>The National Local Government Biodiversity Strategy has been developed to assist Local Government to be a key partner in biodiversity conservation. The strategy addresses five key issues: training and education; resourcing; partnerships and planning; legislative frameworks; information and monitoring.</p> <p><u>Actions</u></p> <ul style="list-style-type: none"> Develop a program for implementing the National Local Government Biodiversity Strategy <p>Local Agenda 21 Program</p> <p><u>Background</u></p> <p>The “Partnerships for Local Agenda 21” was jointly established in 1995 by the Local Government Association and DEH. An increasing number of Local Councils are addressing environmental issues through this program.</p> <p><u>Actions</u></p> <ul style="list-style-type: none"> Continue to encourage / facilitate local Councils to develop LA 21 Environment Plans that include biodiversity/vegetation management strategies. 	LGA, DEH, DTUPA	Dec 2000	Implementation program developed	Program still to be developed due to flux resulting from local govt reform.
		LGA, DEH	Ongoing	Number of Councils involved in LA 21	32 councils involved; there is a spectrum of level of involvement – different speeds & entry points
Planning And Assessment					
Vegetation Inventory, Data Collection and Mapping	<p>Biological Survey of South Australia</p> <p><u>Background</u></p> <p>Since 1985 systematic surveys of flora and fauna have achieved 70%</p>				

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	<p>coverage of the State. The biological survey program will be continuing over the next 10 years to complete the assessment of the State's biodiversity.</p> <p><u>Actions</u></p> <p>Biological Surveys</p> <ul style="list-style-type: none"> Roadside vegetation surveys for South East: Yorke Peninsula: Lower Mid North: Onkaparinga Council area Flora and fauna survey of the Great Victoria Desert Flora and fauna of the Mount Lofty Ranges Flora and fauna of the Tirari Desert Vegetation mapping of the Simpson / Pedirka Deserts <p>Publication of biological survey reports and maps for –</p> <ul style="list-style-type: none"> Kangaroo Island Murray Mallee South East Flinders Ranges Anangu Pitjantjara Lands <p>Development of an electronic database of SA Herbarium records:</p> <ul style="list-style-type: none"> Input of plant records for South East Input of plant records for Eyre Peninsula 	<p>DEH, DTUPA</p> <p>DEH</p> <p>DEH</p>	<p>Jun 2000</p> <p>March 01 June 01 Sept 2000 Dec 2000</p> <p>Dec 1999 June 00-</p> <p>Sept 2000 Oct 2000 Oct 2000</p> <p>Ongoing Dec 1999 Dec 2000</p>	<p>Roadside Vegetation mapped</p> <p>Sites surveyed, data collected</p> <p>Vegetation communities mapped</p> <p>Report published</p> <p>Report published</p> <p>Database completed</p> <p>Plant records on data base</p>	<p>100% complete</p> <p>0% 70% 100% 20%</p> <p>Completed in Oct Completed.</p> <p>90% complete 95% complete 80% complete</p> <p>Data base established and SE records completed. Due to change in priorities plant records for Murray region and nth Mt Lofty ranges were completed. Eyre peninsula now due Dec 2001</p>
Biodiversity Status Assessment	<p>Conservation Status of Flora and Fauna of South Australia</p> <p><u>Background</u></p>				

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	<p>Of the 15 IBRA regions wholly or partly present in South Australia 5 have good representation in conservation reserves, 6 have fair representation, 2 are poorly represented and 2 are not represented.</p> <p>South Australia is divided into 382 unique Environmental Associations. There are 313 with a less than an optimum level (10% to 20%) of protection within NPW Act reserves. Of these, 182 are not represented at all. Twenty Environmental Associations have representation in the optimum range (10% to 20%) and 49 are over-represented (more than 20%).</p> <p><u>Actions</u></p> <p>Enhance the reserve system by addressing comprehensiveness, adequacy and representativeness of priority IBRA regions at Environmental Association level –</p> <ul style="list-style-type: none"> • Naracoorte Coastal Plain IBRA • Gawler IBRA • Stony Plains IBRA • Flinders and Olary IBRA • Eyre and Yorke IBRA • Priority ecosystems: grasslands and wetland ecosystems <p>Review and refining IBRA boundaries for -</p> <ul style="list-style-type: none"> • Stony Plains IBRA • Murray-Darling Depression IBRA • Naracoorte Coastal Plain IBRA • Flinders and Olary IBRA <p>Complete the capture of readily available botanical information (area-based plant lists and plant association details) in DEH'S central RESERVE database for use in CARRS analysis</p> <p>Review the <i>National Parks and Wildlife Act</i> schedules for Endangered, Vulnerable and Rare species</p>	<p>DEH & NPF</p> <p>DEH</p> <p>DEH</p> <p>DEH & WAC</p>	<p>Ongoing</p> <p>July 2000</p> <p>July 2000</p> <p>Dec 2000</p> <p>March 2000</p>	<p>Assessment completed, significant areas added to protected area system</p> <p>Boundaries redefined for the South Australian component of IBRA</p> <p>Information on database</p> <p>Schedules reviewed, legislation amended</p>	<p>Land added</p> <p>Land added</p> <p>2 sites added</p> <p>Land added</p> <p>Significant sites added</p> <p>SA Boundaries have been reviewed and refined</p> <p>Reserve database updated with area based plant lists</p> <p>Completed</p>
Regional Vegetation Management Planning	<p>Regional Biodiversity Planning Program</p> <p><u>Background</u></p>	DEH			

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	<p>Of the total reserve area, 78% is available for mining, as some of the reserves in addition to regional reserves have proclamations allowing mining access. The overall objective for the reserve system is the conservation of wildlife and maintenance of ecological functions.</p> <p>Additional forested and wooded lands are protected as Native Forest Reserves and Water Catchment Areas.</p> <p>South Australia has two Indigenous Protected Areas (Nantawarrina and Yalata) and others are under consideration (area in IPA approx 5000 km²).</p> <p>There are also approximately 1100 Heritage Agreements protecting some 550,000 hectares of native vegetation on private land.</p> <p><u>Actions</u></p> <ul style="list-style-type: none"> • Assess areas for addition to the reserve system and purchase significant areas • Support the development of Indigenous Protected Areas utilising community involvement and management • Continue the management of threatening processes on reserve land such as 'Operation Bounceback' and 'Ark on Eyre' programs • Integrate Heritage Agreement management, with reserve system management • Continue with the promotion, assessment and registration of Heritage Agreements on private land • Facilitate the management of Heritage Agreement land • Fence and manage revegetation areas under Land Management Agreements <p>Management Plans</p> <p><u>Actions</u></p>	<p>DEH & NPF</p> <p>ALT, NHT, DEH</p> <p>DEH, NHT, and community DEH</p> <p>DEH</p> <p>DEH</p> <p>NHT, PIRSA, DEH, GA</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>	<p>Significant areas added to reserve system Further IPA's established</p> <p>Rehabilitation of habitats</p> <p>Management programs implemented Number of HA's registered</p> <p>Management being implemented Areas fenced</p> <p>Management Plans published</p>	<p>Significant areas added to reserve system 3 IPA's added</p> <p>This is continuing</p> <p>This is occurring on ongoing basis</p> <p>1,190 Has registered</p> <p>Ongoing</p>

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	<ul style="list-style-type: none"> Continue the preparation of management plans for National Parks and Wildlife Reserves Encourage and facilitate the preparation of management plans for Heritage Agreement areas Develop action plans from priorities identified in the Regional Biodiversity Plans 	<p>DEH, RMAC, NHT</p> <p>DEH, NVC</p> <p>DEH</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Dec 2000</p>	<p>HA management plans prepared</p> <p>Series of action plans for agricultural regions</p>	<p>39% have plans published</p> <p>22 have management plans</p> <p>South East Action Plans developed and implemented in region. Draft Action Plans prepared for KI, NAD, EP & MDB.</p>
Communication And Capacity Building					
Community Education	<p>Extension Activities</p> <p><u>Background</u></p> <p>Extension programs include promoting the conservation of native vegetation and sustainable land management, and facilitating community involvement in the preparation of regional biodiversity plans, property planning programs and on-reserve management planning and management actions.</p> <p><u>Actions</u></p> <ul style="list-style-type: none"> Encourage and facilitate community involvement through extension programs, including - <ul style="list-style-type: none"> Soil Conservation Boards Water Catchment Management Boards National Parks and Wildlife Consultative Committees Facilitate participation in management actions: <ul style="list-style-type: none"> The preparation of regional biodiversity plans Property planning programs On-reserve management planning and management actions 	<p>DEH, PIRSA, DWR, GA, NHT</p> <p>DEH, PIRSA, NHT</p>	<p>Ongoing</p> <p>Ongoing</p>	<p>Community participating</p> <p>On-ground works projects in place</p> <p>Community</p>	<p>100friends of Parks groups, 350 Landcare groups, 200 'Other', 27 Soil Boards, 8 CWMB, coastcare groups</p> <p>yes</p> <p>yes</p>

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	<p>through Consultative Committees and Friends groups</p> <p>Bushcare Program</p> <p><u>Actions</u></p> <ul style="list-style-type: none"> Facilitate on-ground works to protect, enhance and re-establish native vegetation by creating a network of technical expertise, including – <ul style="list-style-type: none"> NHT Facilitators Bush Management Advisers Regional Ecologists Revegetation Officers <p>Coastcare Program</p> <ul style="list-style-type: none"> Work with the community to conserve coastal landscapes <p>Urban Forest Biodiversity Program and Mt Lofty Ranges Catchment Program</p> <ul style="list-style-type: none"> Continue partnership with local government to promote and facilitate conservation works within metropolitan area and Mt Lofty Ranges <p>Revegetation Programs</p> <ul style="list-style-type: none"> Continue to prepare regional Revegetation Plans Develop Standard Procedures for revegetation advice in significant conservation areas 	<p>DEH, PIRSA, GA, NHT</p> <p>DEH, NHT, Local Government</p> <p>DEH, NHT, Local Government</p> <p>SRVC, PIRSA, SRVC</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing June 2000</p>	<p>involved in vegetation management</p> <p>Community involvement</p> <p>Number of conservation projects implemented and community involvement</p> <p>Number of conservation projects implemented and community involvement</p> <p>Number of conservation projects implemented & community involvement</p> <p>Plans published Standard procedures adopted</p>	<p>163 projects, most on-ground works \$6.8M</p> <p>80 applications for funding; good community involvement</p> <p>Broadly achieving success.</p> <p>2 plans completed; 6 subregional plans adopted</p> <p>Std procedures not developed</p>
Research and Development and Extension	<p><u>Actions</u></p> <p>Develop a project for the application of 'Biograzing' principles to obtain a protected area mosaic within the sheep rangelands</p>	DEH, CSIRO, landholders	June 2000	Project developed using Biograzing	On hold; will try for trial in Gawler Ranges

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	Review of taxonomic relationships of native plant taxons	DEH	Ongoing	principles Key groups reviewed: reports published	Ongoing
Vegetation Management Infrastructure	Integrated Natural Resource Management <ul style="list-style-type: none"> Development of legislation to promote and facilitate integrated and sustainable management of natural resources on a regional basis Establish a regional network of NHT Facilitators to assist the community with integrated natural resource management projects 	DEH, PIRSA	Dec 2000	Legislation in place	Draft Bill being reworked for Cabinet later this year
		DEH, PIRSA	Nov 1999	Regional Facilitators in place	Completed
Incentives					
Grant Programs	Heritage Agreement Scheme <u>Background</u> More than \$70 million has been provided as financial assistance payments to private landholders who placed areas of native vegetation under a Heritage Agreement following refusal for permission to clear. This program has secured around 1100 heritage agreements covering 550,000 hectares. Assistance for fencing and management is also provided. <u>Actions</u> <ul style="list-style-type: none"> Process 45 Heritage Agreement applications Process 45 heritage Agreement applications Fence Heritage Agreement areas Provide grants for on-going management of Heritage Agreements 	DEH, NVC	Dec 2000 Dec 2001 Dec 2000 Dec 2000	Heritage Agreements registered on landtitle Number of HA's fenced Heritage areas	22 processed; Total 1202 HA registered Total 550,000 ha 20% actively

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	<p>Wildlife Conservation Fund</p> <p><u>Background</u></p> <p>The Wildlife Conservation Fund provides grants on an annual basis for research and management projects to assist in conservation of wildlife.</p> <p><u>Actions</u></p> <ul style="list-style-type: none"> Continue the annual call and assessment of projects (approximately \$100K/year) 	DEH, WAC	Dec 2000	managed Projects funded	managed Applications called and assessed and funds allocated by WAC
Differential Rating and Taxation Measures	<ul style="list-style-type: none"> Provision of Local Government Rate rebates and other taxes over land protected by Heritage Agreement Refund Stamp Duties on lands purchased for conservation 	DEH SA Govt	Ongoing As required	Area protected under HA Area purchased	550,000 ha. ?
Offsets and Performance / Assurance Bonds	<ul style="list-style-type: none"> Attach conditions on clearance approvals under the <i>Native Vegetation Act</i> that relate to revegetation and/or the setting aside of areas of vegetation for conservation purposes. 	DEH, NVC	As required	Areas set aside for revegetation and conservation	Total set aside 8925 ha (inc HA, regen, replant & reseed set aside)
Regulatory Mechanisms					
Threatened Species / Ecological Communities Protection	<p>Legislation</p> <p><u>Background</u></p> <p>The <i>National Parks and Wildlife Act, 1972</i> lists the endangered, vulnerable and rare species of flora and fauna and provides specific protection for such species.</p>				

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	<p>The <i>Native Vegetation Act, 1991</i> provides for protection of endangered, vulnerable and rare plants, threatened plant communities and significant wildlife habitat.</p> <p><u>Actions</u></p> <ul style="list-style-type: none"> Administer the <i>National Parks and Wildlife Act</i> to ensure protection of flora and fauna Administer <i>Native Vegetation Act</i> to ensure clearance of vegetation does not impact on threatened plants, plant communities or significant wildlife habitat Administer provisions of the <i>Animal and Plant Control Act</i> to reduce the impact of environmental weeds on vegetation communities Protect threatened plants/vegetation communities in the rangelands, through the administration of the <i>Pastoral Conservation and Land Management Act</i> <p>Recovery Plans</p> <ul style="list-style-type: none"> Develop and implement Recovery Plans for species that are endangered at the National level 	<p>DEH</p> <p>DEH, NVC</p> <p>PIRSA, APCC</p> <p>DEH, PB</p> <p>DEH, TSN, NHT and community</p>	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p>	<p>Threatened species protected</p> <p>No clearance of threatened species or communities</p> <p>Reduced impact of environmental weeds</p> <p>Threatened species/communities protected</p> <p>Improved conservation status of endangered species</p>	<p>Yes</p> <p>No clearance of known threatened spp.</p> <p>Impact not reduced in general</p> <p>Presence noted but not translated into protection</p> <p>Recovery plans for 44% of SA's nationally threatened plants</p>
Land Clearing Regulation	<p><u>Background</u></p> <p>Controls over vegetation clearance were introduced in 1983 by regulation under the <i>Planning Act</i>. However, a considerable amount of clearance was still approved. The rate of clearance approval was considerably reduced in 1985 following the introduction of the <i>Native Vegetation Management Act</i>. Under this act financial assistance was provided to landholders who placed areas refused clearance approval under protection of a heritage agreement.</p>				

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	<p>In 1991, with the introduction of the <i>Native Vegetation Act</i>, both the financial assistance program and broadacre clearance was brought to an end.</p> <p>A number of issues relating to the administration of the Act, particularly enforcement and exemption provisions require attention.</p> <p><u>Actions</u></p> <ul style="list-style-type: none"> Continue to administer the <i>Native Vegetation Act</i> through assessment of clearance applications <ul style="list-style-type: none"> Process 175 clearance applications Process 175 clearance applications Undertake a review of the <i>Native Vegetation Act</i> with regard to enforcement provisions, and appeal mechanism, compliance with conditions Provide recommendations and amend legislation Development of a streamlined 'One-Stop-Shop' assessment process for clearance applications 	<p>DEH, NVC</p> <p>DEH, NVC</p> <p>SA Govt</p> <p>DEH</p>	<p>Dec 2000 Dec 2001</p> <p>Dec 1999</p> <p>June 2000</p> <p>June 2000</p>	<p>Clearance applications processed</p> <p>Review completed</p> <p>Legislation amended</p> <p>'One-Stop-Shop' process in place</p>	<p>136 applications processed 99/00</p> <p>Review completed, public consultation undertaken and report to MEH, final report and draft bill by Dec00</p> <p>Framework developed, legislative 'heads of power' before Parliament. Will not be put in place prior to NV Act amendments</p>
Monitoring And Evaluation					

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Cover and Condition Monitoring	<ul style="list-style-type: none"> Complete the assessment of range conditions on pastoral lease 	DEH	Dec 2000	Assessments completed	Field assessments of 222 leases completed. Final grazing lease conditions 95% complete
	<ul style="list-style-type: none"> Complete the National Vegetation Inventory System data for NLWRA 	DEH, DTUPA	June 2000	Analysis completed	Completed
	<ul style="list-style-type: none"> Investigate use of remote sensing for rangeland condition audit 	DEH, DTUPA	Ongoing	Audit complete	Preliminary report completed, should be finalised by Dec 00
	<ul style="list-style-type: none"> Continue 'Ausiegraze' and 'Biograze' projects to monitor grazing impacts and range condition in pastoral areas 	DEH, PIRSA, CSIRO	Ongoing	Range condition monitored	Ongoing
	<ul style="list-style-type: none"> Monitor the recovery of vegetation following fire within protected areas 	DEH, DTUPA	Ongoing	Vegetation monitored	?
	<ul style="list-style-type: none"> Continue fire history mapping within protected areas 	DEH, DTUPA	Ongoing	Fires mapped	?
	<ul style="list-style-type: none"> Establish methodology and appropriate database for revegetation monitoring 	SRVC	Jan 2000	Methodology and database established	Not established