

DEPARTMENT OF CONSERVATION AND LAND MANAGEMENT

SUSTAINABILITY ACTION PLAN

2005-2007

April 2005



DEPARTMENT OF
Conservation
AND LAND MANAGEMENT
Conserving the nature of WA

Embracing Sustainability Principles in CALM

In September 2003 following extensive consultation with the community and Government agencies, the State Government adopted the State Sustainability Strategy for Western Australia. The Strategy commits the Government and its agencies to embrace sustainability as a fundamental driver towards a better future for all Western Australians.

In the introduction to the Sustainability Code of Practice for Government Agencies (September 2004) the Premier states:

One of the Government's six goals for sustainability is "ensure that the way we govern is driving the transition to a sustainable future".

Clearly, government agencies have an important leadership role in delivering this goal through ensuring staff are encouraged to support sustainability and that sustainability informs planning, decision making and operations. In this way the Government is sending clear signals to the community and business that it is 'walking its own talk'.

The core business of the Department of Conservation and Land Management (CALM) is biodiversity conservation which encompasses sustainable land and marine management. As such the Department has a key role to play in the promotion of sustainability principles and practices within the community. The maintenance of biodiversity and ecological integrity is a foundation principle of sustainability.

Clearly CALM already shows leadership in its land and marine management activities, particularly through assisting the community and industry to access Western Australia's lands and waters in a manner which both protects our environment but also allows industry to sustain itself and prosper. However, the Department recognises that there is much that needs to be done to improve the incorporation of sustainability principles and practices into the business processes that underpin core activities.

To achieve this CALM has produced the following plan which clearly sets out the actions to be undertaken in 2005 and beyond. It is intended that the plan will be updated annually in consultation with staff.

We have pleasure in commending this plan to all CALM staff.



Dr Judy Edwards MLA
MINISTER FOR THE ENVIRONMENT



Keiran McNamara
EXECUTIVE DIRECTOR

Section 1: Definition and Principles of Sustainability

The Government has adopted the following definition and principles of sustainability.

Definition of Sustainability

Meeting the needs of current and future generations through an integration of environmental protection, social advancement and economic prosperity.

Principles of Sustainability

Foundation Principles

Long-term economic health

Sustainability recognises the needs of current and future generations for long-term economic health, innovation, diversity and productivity of the earth.

Equity and human rights

Sustainability recognises that an environment needs to be created where all people can express their full potential and lead productive lives and that significant gaps in sufficiency, safety and opportunity endanger the earth.

Biodiversity and ecological integrity

Sustainability recognises that all life has intrinsic value and is interconnected, and that biodiversity and ecological integrity are part of the irreplaceable life support systems upon which the earth depends.

Settlement efficiency and quality of life

Sustainability recognises that settlements need to reduce their ecological footprint (i.e. less material and energy demands and reduction in waste), while they simultaneously improve their quality of life (health, housing, employment, community)

Community, regions, 'sense of place' and heritage

Sustainability recognises the significance and diversity of community and regions for the management of the earth, and the critical importance of 'sense of place' and heritage (buildings, townscapes, landscapes and culture) in any plans for the future.

Net benefit from development

Sustainability means that all development, and particularly development involving extraction of non-renewable resources, should strive to provide net environmental, social and economic benefit for future generations.

Common good from planning

Sustainability recognises that planning for the common good requires equitable distribution of public resources (like air, water and open space) so that ecosystem functions are maintained and a shared resource is available to all.

Process Principles

Integration of the triple bottom line

Sustainability requires that economic, social and environmental factors be integrated by simultaneous application of these principles, seeking mutually supportive benefits with minimal trade-offs.

Accountability, transparency and engagement

Sustainability recognises that people should have access to information on sustainability issues, that institutions should have triple bottom line accountability, that regular sustainability audits of programs and policies should be conducted, and that public engagement lies at the heart of all sustainability principles.

Precaution

Sustainability requires caution, avoiding poorly understood risks of serious or irreversible damage to environmental, economic or social capital, designing for surprise and managing for adaptation.

Hope, vision, symbolic and iterative change

Sustainability recognises that applying these principles as part of a broad strategic vision for the earth can generate hope in the future, and thus it will involve symbolic change that is part of many successive steps over generations.

Section 2: Sustainability in CALM – Challenges and Opportunities

The following plan has been prepared by CALM's Corporate Executive as a whole to ensure that there is no doubt as to the commitment of this agency to embrace sustainability principles and practices in all of our activities. We have been guided by the Sustainability Code of Practice for Government Agencies. However, this plan has a number of enhancements that reflect CALM's specific conservation ethos. Importantly, Corporate Executive has adopted this plan not just because it is an environmentally sound and socially responsible course of action, but also because it is fundamentally sound business practice. There are many actions in the plan that when fully implemented will result in expenditure savings and thereby allow resources to be more effectively directed.

This plan is substantially focussed on actions to be implemented in 2005. Staff support for the review requirements will be determined and advised during 2005. Corporate Executive will be reviewing the implementation of the plan on an annual basis to incorporate specific actions for subsequent years. Carriage of implementing and reporting on CALM's obligations under the State Sustainability Strategy (see Section 4) will remain with the Director of Nature Conservation.

Every member of staff has a key role to play in improving CALM's sustainability performance generally and to take specific actions to reduce resource waste. Directors and managers will be required to lead by example and programs will be rolled out during the coming year to inform, involve and empower staff in sustainability practices.

CALM is uniquely placed to build sustainability principles and actions into legislation and policies that affect not only the Department but which also significantly influence the broader community. To some extent this work is already well underway with the principles of Ecologically Sustainable Forest Management (ESFM) having been incorporated into legislation with the changes that were made to the Department in 2000, and the ESFM underpinning of the *Forest Management Plan 2004-2013*.

The Department is in the process of consulting on drafting instructions for the Biodiversity Conservation Bill which is intended to be introduced into Parliament in 2005. Sustainability principles are a fundamental tenet of sound land and biodiversity management, and as such, to the extent that it is appropriate, they will be reflected in the legislation.

It is important that all of the Department's processes, particularly those relating to management planning, budget planning and business planning reflect appropriate sustainability principles and practices.

The Department has also committed to a process of procurement reform to ensure greater effectiveness and economy across a range of procurement activities. There is still much that needs to be done in this regard, however the opportunities for improvements are evident and will need to be actively pursued by managers and staff. CALM as a purchaser of green power is also actively engaged in the implementation of the *Energy Smart Government* policy which has set specific energy savings targets. It is recognised that there are difficulties in achieving targets in remote areas of the State because of the cost of running power infrastructure. It is also recognised that in recent years the Department has needed to

accommodate many staff in temporary accommodation which has inefficient and expensive cooling and heating systems. These issues present a problem but also a significant opportunity in terms of the potential savings that can be made when the improved accommodation options that CALM is pursuing are implemented.

Of necessity the Department operates a very large vehicle fleet. There is a significant opportunity for CALM to be far more innovative, particularly in the south west of the State where a large percentage of the Department's vehicles are located, through better utilisation of the fleet to reduce vehicle numbers, more effective implementation of fuel savings strategies, and the opportunity for innovation and Government sector leadership in the use of alternative fuels if these are shown to be cost effective.

A particular challenge for the Department is the need to improve public transport at its Kensington Operations Headquarters site. It is recognised that the current poor service to the site by public transport requires almost all staff to travel by car. With the imminent extension of the railway line along the Kwinana Freeway to the south there will be an opportunity for a rail/bus link with the Kensington site. CALM is working closely with the Department of Industry and Resources in the development of the Technology Park Master Plan which will provide improved community facilities, including public transport, in the area immediately surrounding our Operations Headquarters. CALM's proposals for redevelopment of the Kensington site to incorporate a new Herbarium as part of a Biodiversity Science Centre, and to relocate metropolitan staff to the site are currently being considered in the budget process. The redevelopment will provide significant functional and energy efficiency improvements.

CALM already has an extensive volunteer and community education function. The new *Healthy Parks Healthy People* initiative will move our current biodiversity conservation ethos to a new level through the creation of a tangible program linkage between sound conservation management, the health of ecosystems, community wellbeing, and individual health.

While programs such as *Healthy Parks Healthy People* and our school *Bushrangers* program are central to CALM's external expression of our sustainability practices, it will be very important to consider how the public promotion of our other mainstream programs, such as *Western Shield*, can better reflect the sustainability principles that they encapsulate.

Section 3: CALM's Sustainability Action Plan 2005-2007

1. CALM's planning, reporting and decision making are to be conducted in accordance with sustainability principles

OBJECTIVE	ACTIONS	INTERNAL RESPONSIBILITY	EXTERNAL RESPONSIBILITY	TIMEFRAME	PERFORMANCE INDICATORS
Legislation	Review drafting instructions for the Biodiversity Conservation Bill to incorporate sustainability principles and actions where appropriate. List for inclusion in any amendment to the CALM Act and Sandalwood Act.	Director of Nature Conservation/ Instructing Officer	Parliamentary Counsel	By August 2005	Acceptance by Minister
Corporate Plan	Review the Corporate Plan 2002-2005 to ensure that sustainability principles are incorporated in CALM's Vision, Mission, Responsibilities, Values, and Principles statements, and in the Objectives and Strategies established under the plan	Director Strategic Development and Corporate Affairs to lead process	Consultation with key stakeholders during plan review	By December 2005	Adoption of plan by Corporate Executive and acceptance by Minister
Statutory Management Plans	Prepare guidelines for the incorporation of sustainability principles and actions into area and species management plans and subsidiary documents where appropriate	Director Parks and Visitor Services for area management plans, Director Nature Conservation for species management plans, and Director Sustainable Forest Management for Forest Management Plan	Conservation Commission, Marine Parks and Reserves Authority and key stakeholders to be consulted	By August 2005	Adoption of guidelines by Corporate Executive
Budget Planning	Incorporate sustainability principles and actions into the annual budget planning cycle and ensure that they are incorporated into priority setting	Director of Corporate Services to incorporate into planning cycle	Department of Treasury and Finance	By June 2006	Adoption of amended process by Corporate Executive
Departmental Business Planning	Incorporation of sustainability principles and actions into cost centre business plans, project business plans and other significant Departmental undertakings	Directors, Cost Centre Managers	N/A	By June 2006	Approval by Directors

OBJECTIVE	ACTIONS	INTERNAL RESPONSIBILITY	EXTERNAL RESPONSIBILITY	TIMEFRAME	PERFORMANCE INDICATORS
Departmental Policies and Position Papers	Incorporation of sustainability principles and actions into new or redrafted Departmental Policy documents and all position papers where appropriate	Directors	Consultation with the Conservation Commission, Marine Parks and Reserves Authority and stakeholders as appropriate	Ongoing – review initial implementation in December 2005	Approval by Corporate Executive
Annual Report	Incorporation of reporting on sustainability principles and actions undertaken by the Department, including implementation of actions under the State Sustainability Strategy into the Department's Annual Report for the 2004/05 financial year.	Director Strategic Development and Corporate Affairs to lead preparation of the Annual report, other Directors to include in their reporting.	N/A	By August 2005	Approval by Executive Director
Ministerial briefing notes, Departmental advice and correspondence	Cognisance of sustainability principles and actions to be reflected generally in the philosophical underpinning of Departmental advice with specific references to be included as appropriate.	Executive Director, Directors, Managers	N/A	Ongoing – review initial implementation in December 2005	Approval by Executive Director

2. CALM operations to support sustainability

OBJECTIVE	ACTIONS	INTERNAL RESPONSIBILITY	EXTERNAL RESPONSIBILITY	TIMEFRAME	PERFORMANCE INDICATORS
Procurement	To comply with State Supply Commission (SSC) procurement policies and in particular to advance the promotion of triple bottom line assessments in procurement decision making, and promote the SSC's Environmental Procurement Policy within the Department.	Director of Corporate Services	State Supply Commission, Department of Treasury and Finance	Ongoing - annual audit undertaken in May/June each year	Annual audit to be undertaken to evidence adherence to Procurement Policy

OBJECTIVE	ACTIONS	INTERNAL RESPONSIBILITY	EXTERNAL RESPONSIBILITY	TIMEFRAME	PERFORMANCE INDICATORS
Service Delivery	CALM will actively pursue opportunities to integrate service delivery across agencies particularly in respect of its land and marine management activities. Priority will be given in 2005 to the implementation of the MOU with the Department for Planning and Infrastructure for management of unallocated Crown land, and to the development of MOUs with Aboriginal bodies corporate for joint management, and the Fire and Emergency Services Authority for fire management near land managed by the Department.	Directors of Regional Services and Parks and Visitor Services	Other agencies named	By December 2005	Approval of MOUs by Executive Director
Waste Management	Establish and disseminate to managers and staff a framework for the adoption of waste reduction, re-use and recycling strategies including the requirement for waste management plans to be put in place for all Departmental offices.	Director of Corporate Services to recommend waste reduction targets for Corporate Executive approval. Managers to implement programs.	Advice to be sought from the Department of Environment	Initial targets to be put to Corporate Executive by December 2005	Annual performance audit to be undertaken to evidence adherence and level of achievement
Energy	To achieve compliance with the targets in the Energy Smart Government Policy which requires that in 2004/05 CALM achieve an 8% reduction in stationary energy use over the 2001/02 base year energy use, to increase by a further 2% per annum to achieve a total 12% saving by 2006/07. As part of the savings strategy CALM will seek approval to replace energy inefficient buildings and plant.	Director of Corporate Services to oversee implementation of 10 step energy management program recommended in the government policy.	Advice to be sought from the Sustainable Energy Development Office	Comprehensive plan to be brought to Corporate Executive by December 2005	Compliance with Government policy targets.

OBJECTIVE	ACTIONS	INTERNAL RESPONSIBILITY	EXTERNAL RESPONSIBILITY	TIMEFRAME	PERFORMANCE INDICATORS
Water	Undertake water audits at major office locations (>1000 sq metres) using qualified auditors. Ensure that reticulation at recreation sites is subject to water and power efficiency monitoring.	Director Corporate Services to roll out water auditing program at office sites. Director of Regional Services to implement review of recreation site water and power use.	Department of Housing and Works to provide advice on water auditing.	Office water audits to be undertaken by December 2005. Recreation site water/power audits to be undertaken by December 2005	Report of outcomes to Corporate Executive
Vehicles and Travel	Undertake a survey of staff travel and audit of workplace accessibility for the Kensington office site including the Herbarium. Promote transport alternatives at the site including improved public transport, car pooling, bicycles and use of more fuel efficient vehicles generally.	Director of Corporate Services to develop a Green Transport Plan for Kensington and for the Department's vehicle fleet generally.	TravelSmart Workplace (Department of Environment) to be consulted	Survey and audit to be undertaken by December 2005	Report of outcomes to Corporate Executive
Departmental built assets	Ensure that in the procurement of new built assets and maintenance programs for existing built assets, sustainability practices are incorporated into all design, building, maintenance and management plans.	Director of Corporate Services and Director of Parks and Visitor Services to ensure that relevant managers and staff are aware of the requirements of the relevant Department of Housing and Works policies.	Advice from Department of Housing and Works as required.	Ongoing – initial review of implementation to be undertaken in December 2005	Annual procurement compliance audit
Departmental land assets	Show leadership across Government in the protection of bushland and the rehabilitation of land to native vegetation.	Director of Nature Conservation		Ongoing (core CALM business) – report to be provided to Corporate Executive in December 2005	Outcomes reported in Annual Report

3. CALM staff encouraged and empowered to support sustainability

OBJECTIVE	ACTIONS	INTERNAL RESPONSIBILITY	EXTERNAL RESPONSIBILITY	TIMEFRAME	PERFORMANCE INDICATORS
Public Participation and Consultation Processes	Need to incorporate a broad understanding of sustainability principles and actions as appropriate into individual public participation and consultation processes.	Director Strategic Development and Corporate Affairs to lead preparation of generic information to be included, as appropriate, in public consultation processes. Directors to be responsible for incorporation of sustainability principles and actions in plans or documents that are the subject of public participation or consultation.	N/A	By December 2005	Approval by Corporate Executive of generic information and Directors of specific plan/consultation document information
Staff Education and Training	Provide opportunities for staff to participate in sustainability education, training and awareness raising initiatives.	Director Corporate Services to facilitate appropriate seminar or training sessions or the dissemination of online information in consultation with Corporate Executive	Consultation with Sustainability Policy Office, Department of the Premier and Cabinet	Initial sessions to be held in 2005	Number of key staff who attend
Sustainability Through Diversity	Actively implement CALM's Diversity Action Plan with particular emphasis on increasing employment diversity particularly through the MATES program. Also actively implement the Department's EEO and Diversity Management Plan and Disability Services Management Plan.	Director Corporate Services and Director Parks and Visitor Services to lead	Ongoing involvement of Office of Commissioner for Public Sector Standards	Ongoing – initial report on implementation to Corporate Executive by December 2005	Annual progress against targets set out in the plans to be reported Corporate Executive

OBJECTIVE	ACTIONS	INTERNAL RESPONSIBILITY	EXTERNAL RESPONSIBILITY	TIMEFRAME	PERFORMANCE INDICATORS
Volunteering for Community Development	Facilitate volunteering opportunities for the public in environmental rehabilitation, species management, recreation site management and general land management. Prepare a Departmental policy to assist CALM staff to become involved in volunteering in the community.	Director of Parks and Visitor Services to lead public volunteering program. Director of Corporate Services to lead preparation of staff policy.	N/A	Ongoing with respect to public volunteering. CALM staff volunteering policy to be completed by June 2005.	Corporate Executive to approve Staff Volunteering Policy
Occupational Health and Safety Program	Continue to enhance CALM's very active OSH program	Director Corporate Services	N/A	Ongoing – review by December 2005	Annual Report of program and outcomes to Corporate Executive

Section 4: CALM's Obligations Under the State Sustainability Strategy

In addition to the Department's Sustainability Action Plan, CALM is required to fulfil the following commitments under the State Sustainability Strategy.

The Western Australian State Sustainability Strategy Monitoring and Reporting Framework

Priority: 1 = very high 2-3 = high 4-5 = medium 6-9 = low

Action number	Assigned responsibility	Supporting agency	Task / Milestone	Status (priority)	Summary of process(es) necessary to deliver action/Proposed actions	Estimated commencement date	Estimated completion date
1.10	All		Incorporate sustainability principles and practices based on the Sustainability Act into relevant legislation as it is reviewed or drafted.	1	Drafting of Biodiversity Conservation Bill, with consideration of sustainability principles. Introduction of Bill into Parliament and final gazettal.	Dec-02	Dec-05
1.13	All		In response to the Sustainability Code of Practice for Government Agencies, require agencies to create Sustainability Action Plans that reflect their commitments and response to sustainability. A Sustainability Resource Guide will be developed to assist agencies in this process.		Complete Departmental Sustainability Action Plan.	June-04	Dec-04
1.29	CALM		Implement an Indigenous Protected Areas Program to enhance long-term employment for Indigenous people in their regions, based on joint management, cultural heritage and training. These will be expanded in the longer term into partnership agreements and regional agreements under the Statement of Commitment to a New and Just Relationship.	1	Release of a public consultation paper on Indigenous Ownership and Joint Management of Conservation Lands in Western Australia, proposing policy options and amendments to the CALM Act to provide for joint management of protected areas by Traditional Owners and CALM. Review of public submissions and consultation with key interest groups and agencies. Introduction of draft Amendment Bill to State Parliament.	Jul-03	Dec-06

Action number	Assigned responsibility	Supporting agency	Task / Milestone	Status (priority)	Summary of process(es) necessary to deliver action/Proposed actions	Estimated commencement date	Estimated completion date
2.6	CALM		Replace the Wildlife Conservation Act 1950 with a new Biodiversity Conservation Act for Western Australia, which is focussed on providing protection for all biodiversity. Develop a State Biodiversity Conservation Strategy to complement and guide the application of the Biodiversity Conservation Act.	1	Development of drafting instructions for Biodiversity Act for consideration by Cabinet. Introduction of Bill into State Parliament. Development of framework for a State Biodiversity Conservation Strategy. Drafting of Strategy for public consultation. Preparation of Strategy for Cabinet consideration. Release of final Strategy.	Dec-03	Dec-05
2.7	CALM	DCA (WAM)	Continue to carry out the on-going systematic regional biogeographic survey throughout Western Australia.	1	Carry out Pilbara Bioregional Biological Survey.	2002	2010
2.8	CALM	DCA (WAM) / WALIS	Seamlessly link environmental databases in a whole- of-government environmental database that incorporates the results of the ongoing biological surveys and monitoring program, and the research and development programs dealing with management of the biodiversity values <i>in situ</i> , and ensure that communities wishing to be involved in management, research and monitoring of biodiversity have access to this database.	4-5	CALM to undertake a metadata collection project identifying biological information that will contribute to a whole of government metadata database to be hosted by WALIS.	ongoing	ongoing
				4-5	Continue with the distribution of key NRM biodiversity datasets to NRM groups.	ongoing	ongoing
2.9	CALM&DCA (WAM)&BG PA		Establish a plan for a Biodiversity Research Consortium that includes marine and estuarine capability and brings together the research and databasing capacity of the Department of Conservation and Land Management, the Western Australian Herbarium, the Western Australian Museum, and the Botanic Gardens and Parks Authority.	4-5	Current proposal to develop a Biodiversity Conservation Research Institute, comprising flora conservation, fauna conservation, landscape conservation and restoration, and biodiversity informatics. Business Plan being submitted to the Premier's Science Council. If approved, this could provide the basis for the broader development of a Biodiversity Research Consortium incorporating marine and estuarine biodiversity.	2004	ongoing
2.10	CALM	DCA (WAM)	Complete the Biological Survey for the Pilbara Bioregion by 2010.	1	Implementation of Pilbara Bioregional Biological Survey.	2002	2010

Action number	Assigned responsibility	Supporting agency	Task / Milestone	Status (priority)	Summary of process(es) necessary to deliver action/Proposed actions	Estimated commencement date	Estimated completion date
2.11	CALM		Continue to identify and acquire land for addition to the terrestrial conservation reserve system so that it is comprehensive, adequate and representative.	1	Ongoing actions to identify and acquire land for addition to the terrestrial reserve system.	ongoing	ongoing
2.12	CALM		Implement within the State, Australia's international commitments concerned with environmental protection and biodiversity, and establish a long-term monitoring and reporting program to demonstrate that the State is fulfilling its global biodiversity conservation obligations.	1	Implementation of Ramsar, World Heritage, JAMBA/CAMBA obligations on behalf of the Commonwealth.	ongoing	ongoing
				1	Development of a new Biodiversity Conservation Act to provide a mechanism for considering international instruments in decision-making.	Dec-02	Dec-05
				4-5	Development of a monitoring and reporting framework to the Minister on the State's international obligations.	ongoing	ongoing
2.13	CALM		Continue to work towards meeting national biodiversity conservation objectives and targets to which the State is a signatory.	1	Implementation of State's biodiversity obligations to the Commonwealth under the following policies: Natural Heritage Trust, Australia's Oceans Policy, National Greenhouse Strategy, National Strategy for Ecologically Sustainable Development, National Strategy for the Conservation of Australia's Biological Diversity, National Water Quality Management Strategy, Wetlands Policy of the Commonwealth Government of Australia. Mechanisms will exist under the new Biodiversity Conservation Act for bilateral agreements between the State and Commonwealth.	ongoing	ongoing
2.14	CALM		Identify key threatening processes that result in the loss of Western Australia's biodiversity, and develop mechanisms (such as threat abatement plans, recovery plans or management plans) that will control or manage the impacts of the threatening process.	1	Development of a Biodiversity Conservation Act that will provide for the listing of key threatening processes, which will be addressed in relevant recovery plans.	Dec-02	Dec-05

Action number	Assigned responsibility	Supporting agency	Task / Milestone	Status (priority)	Summary of process(es) necessary to deliver action/Proposed actions	Estimated commencement date	Estimated completion date
2.15	CALM & DOE & DPI & DOIR		Account for biodiversity conservation in all land-use planning, where clearing of native vegetation is involved, and management decisions in Western Australia.	1	CALM's role in land use planning and management decisions in Western Australia is to ensure, via input to planning and environmental approvals processes, that impacts to biodiversity are avoided, mitigated and/or managed.	ongoing	ongoing
2.16	CALM		Ensure that mechanisms are in place for the identification, protection and recovery of Western Australia's threatened and specially protected biota.	1	Current mechanisms exist under Wildlife Conservation Act 1950 for the listing of threatened flora and fauna. Development of a new Biodiversity Conservation Act will provide for the listing of threatened species, ecological communities and specially protected biota; protection of listed biota; and recovery of listed biota.	ongoing	ongoing
2.17	CALM & DOE & DPI & DOIR		Ensure that all landholders, managers and project proponents take into account the requirements for biodiversity conservation as a standard and vital component of their planning and management activities.	1	CALM's role in land use planning and management decisions in Western Australia is to ensure, via input to planning and environmental approvals processes, that impacts to biodiversity are avoided, mitigated and/or managed.	ongoing	ongoing
2.18	CALM		Continue to expand off-reserve conservation programs, such as conservation agreements, nature conservation covenants and Land for Wildlife.	1	These are programs that are currently being implemented by CALM, and that will be provided for under the new Biodiversity Conservation Act.	ongoing	ongoing
2.19	CALM		Expand the natural diversity recovery catchment system from 6 to 25 recovery catchments over the next ten years in partnership with the community and the Commonwealth Government under programs such as the National Action Plan for Salinity and Water Quality and the Natural Heritage Trust.	1	Potential areas for natural diversity recovery catchments identified, further refinement and consultation needed to determine catchments for approval.	Jan-03	Dec-07
2.20	CALM		Review and improve the current licensing system to ensure that access to biological resources is properly regulated, and develop wildlife management plans to ensure that the use of particular biological resources is ecologically sustainable. Ensure that the right of Indigenous people to use native biota for customary purposes is continued on a sustainable basis.	1	These actions will all be provided for under the new Biodiversity Conservation Act.	Dec-02	Dec-05

Action number	Assigned responsibility	Supporting agency	Task / Milestone	Status (priority)	Summary of process(es) necessary to deliver action/Proposed actions	Estimated commencement date	Estimated completion date
2.21	CALM&WA TC		Facilitate opportunities for nature-based recreation and tourism in Western Australia that are compatible with, and promote, the State's biodiversity conservation status.	2-3	CALM has some regulatory control over nature-based tourism and recreation where activities occur on CALM-managed lands, or where there is interaction with fauna. The regulation of nature-based tourism will be revised under the new Biodiversity Conservation Act. CALM continues to facilitate and provide opportunities for nature-based recreation and tourism in CALM managed lands.	ongoing	ongoing
2.23	CALM & DCA (WAM)		Increase opportunities for the community to learn about and gain hands-on experience with biodiversity conservation issues.	1	Recent development of the Urban Nature program, which is an urban bushland advisory service that incorporates advice, training and assistance to local community groups and other agencies on urban nature conservation management issues. CALM has an existing volunteer program with an extensive network of registered volunteers, and provides a variety of opportunities for involvement in nature conservation projects throughout the State. CALM has a variety of education and training programs aimed at school groups to learn about and gain hands-on experience in biodiversity conservation.	ongoing	ongoing
2.24	CALM		Establish and implement a program for monitoring and evaluation to measure trends in resource conditions and management actions for biodiversity conservation in Western Australia.	1	WA Monitoring and Evaluation Working Group established to develop performance indicators for NRM matters for targets, including biodiversity. Input to WA State of the Environment reporting. Further work is required on setting guidelines for monitoring and evaluation of biodiversity.	ongoing	Jun-05

Action number	Assigned responsibility	Supporting agency	Task / Milestone	Status (priority)	Summary of process(es) necessary to deliver action/Proposed actions	Estimated commencement date	Estimated completion date
3.18	CALM		Continue to expand the State's marine conservation reserve system, by meeting the government's commitment to establish five new marine parks and reserves over the next 18 months.	1	Jurien Bay Marine Park declared in 2003. Montebello Islands Marine Park, Barrow Island Marine Park, extensions to the Ningaloo and Rowley Shoals Marine Parks, Muiron Islands Marine Management Area and Barrow Island Marine Management Area declared in 2004.	Ongoing	Dec-04
3.25	CALM		Finalise the boundaries of the thirty new forest national parks committed to by the government after consultation with the public. Note: This action has now been completed.	1	Community/stakeholder consultation on boundaries and passage of Reserves Bills to create the new national parks and other reserves.	Jan-03	Dec-04
3.26	FPC&CALM		Review the sandalwood industry in Western Australia, the present and projected resource availability, the manner and pattern of exploitation of the resource, and the role that it might play in regional development and ecologically sustainable management of the rangelands. Develop sandalwood management having regard to principles of ecologically sustainable forest management.	1	The preparation of the revised sandalwood management plan is currently being addressed within existing resources by CALM. An issues discussion paper is being prepared to assist in the development of the revised management plan. The management plan will have regard to the principles of ecologically sustainable forest management for sandalwood harvesting, which will be complementary to regional development and ecologically sustainable management in the rangelands.	ongoing	Dec-05
3.27	CALM		Seek to minimise the loss of natural values from State forests and timber reserves and all other reserve categories within the south west as a consequence of the extraction of low value bulk commodities such as sand and gravel.	1	The Forest Management Plan includes provision for a review, as a matter of priority, of the Conservation Commission's policy on the extraction of basic raw materials, and includes actions for the management of the extraction of basic raw materials and the rehabilitation of areas from where they have been extracted.	Jan-04	Dec-05

Action number	Assigned responsibility	Supporting agency	Task / Milestone	Status (priority)	Summary of process(es) necessary to deliver action/Proposed actions	Estimated commencement date	Estimated completion date
3.28	CALM		<p>Create a comprehensive dieback strategy to: establish and maintain a database on the distribution of <i>Phytophthora</i> species throughout the south west for use in planning timber harvesting operations and other activities, • develop and implement rehabilitation plans for selected disease-affected areas, promote the use of best practice hygiene procedures in the Western Australian nursery industry to help eliminate <i>Phytophthora</i> species from all seedlings and propagating material, work with relevant Commonwealth agencies to help prevent the introduction of new plant diseases into Australia that could impact on forest ecosystems and forest-based industries, develop an education program for the general public, and private and public organisations whose activities involve use of land in dieback susceptible vegetation types, and examine the establishment of a centre of excellence for <i>Phytophthora</i> research into ecological impacts on key elements of the biota, methods of managing and counteracting impacts of diseases, and monitoring spread.</p>	1	<p>The Minister for the Environment launched the <i>Phytophthora</i> Dieback Policy Framework in March 2004. This included establishment of a Dieback Response Group, development of a dieback atlas, standard risk assessment methodology guidelines for dieback management and whole of government policy. Future additional actions include preparation of a business case for investment in <i>Phytophthora</i> dieback research and management and a coordinated strategic control program on private lands as well as public lands.</p>	March-04	2013

Action number	Assigned responsibility	Supporting agency	Task / Milestone	Status (priority)	Summary of process(es) necessary to deliver action/Proposed actions	Estimated commencement date	Estimated completion date
3.50	DPI & DOE & CALM		Implement and assess strategic and statutory planning processes and documents to achieve better protection of aquatic systems, including: the development of model scheme texts to assist local government in incorporating aquatic systems management into planning schemes [DPI], developing a water resources statement of planning policy to describe key management actions to protect aquatic systems for incorporation into the planning system [DPI], continuing the work of the State Wetlands Coordinating Committee to ensure that the objectives and actions of the State Wetlands Conservation Policy are implemented and continuing the update of the classification and evaluation method for Swan Coastal Plain wetlands and inventories of wetlands throughout Western Australia, [CALM/DOE] and continuing the process of nominating significant wetlands for inclusion on the Ramsar Convention list of Wetlands of International Importance [CALM].	1	Annual review of State Wetlands Coordinating Committee (SWCC) work plan based on the 62 actions highlighted for the implementation of the five principal objectives of the State Wetlands Conservation Policy. The following Working Groups affiliated with the SWCC facilitate the on-ground and capacity-building outputs indicated in the Implementation Plan: * Wetland Status Working Group - to implement a baseline inventory of wetland assets, condition, threatening processes and classification; * Wetlands Buffering Working Group - to develop guidelines for buffering wetlands; * Wetlands Restoration and Management Manual - to develop a long-term guide for sustainable management of wetlands; * Incentives Working Group - to coordinate the development and communication of incentives for wetland conservation outside of the conservation estate.	ongoing	ongoing
				1	CALM continue with the process of consultation and nomination of candidate wetlands and extensions to existing Ramsar wetlands.	ongoing	ongoing
3.52	CALM & DPI		Ensure that the management regime for the Ningaloo coast, following public consultation, provides for the proper protection and appropriate and sustainable development of this unique area.	1	Exclusion of a coastal strip of land from pastoral leases to provide for conservation and future sustainable tourism.	Nov-02	July-2015
				1	Review of the Ningaloo Marine Park Management Plan.	Nov-03	Jan-05
				1	World Heritage Nomination of the Ningaloo area.	2003	Dec-05
3.54	CALM		Create five new marine reserves by 2005 to ensure Western Australia's unique coastal and marine environment is preserved in perpetuity.		This is a repeat of action 3.18. See CALM's comments for that action.		

Action number	Assigned responsibility	Supporting agency	Task / Milestone	Status (priority)	Summary of process(es) necessary to deliver action/Proposed actions	Estimated commencement date	Estimated completion date
3.55	DCA (WAM) & CALM		Progress the survey of marine biodiversity, especially in the State's marine biodiversity hotspots.	2-3	Planning and cost estimates have been proposed for a marine research and monitoring program, and bioregional planning for marine reserves. Marine biodiversity survey would be dependent on the availability of additional funds for this purpose. Results from a survey would inform on biodiversity hotspots.	2003	ongoing
3.67	DPI & CALM		Review the arrangements for managing unallocated Crown land within the rangelands to ensure that these arrangements are appropriate to protect the biodiversity conservation values and potential future uses of these lands.	2-3	Management of unallocated Crown land will require ongoing review to determine if goals are being achieved.	ongoing	ongoing
4.17	CALM & DPI & BGPA		Use the development of the State Biodiversity Strategy and the South West Australia Ecoregion Initiative to develop a partnership approach between city and regional biodiversity management. The partnership should involve Botanic Gardens and Parks Authority, the Herbarium, the Zoo, Department of Conservation and Land Management Regional Natural Resource Management Groups, community organisations, schools, volunteers and local government through local bush protection strategies. The partnership will help create biodiversity refuges, rehabilitation areas and intensive horticultural production of rare plant species.	1	Scoping of State Biodiversity Strategy, followed by public consultation and drafting of strategy. Public discussion paper released (December 2004).	2003	Dec-05
				4	Continuation of SW WA Ecoregion coordination group, and work on determining biodiversity hotspots.	ongoing	ongoing
5.4	All		All use Consulting Citizens: a Resource Guide to promote effective public consultation and active citizenship.	1	Development of a Departmental Public Participation Policy and Public Participation Strategy in order to ensure that members of the public have opportunities to provide input to the issues, policies and plans associated with the conservation of biodiversity. Eg. development of a Biodiversity Conservation Act, declaration of new marine parks, development of management plans for conservation reserves etc.	ongoing	ongoing

