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Land and Property
Management Authority

BARIGAN REGIONAL CROWN RESERVE

Plan of Management

For Barigan Regional Crown Reserve
(Under the Crown Lands Act 1989)
BARIGAN NSW

VOLUME 2 – ACTION PLAN

12/1/2009

PREAMBLE

The Barigan Regional Crown Reserve Plan of Management has been prepared to clearly identify the reserve's values, as identified by the community, outline a strategy for the conservation of these values and to clearly articulate the types of activities/developments the Reserve is capable of sustaining. This plan provides a documented basis for management, as is appropriate under LPMA Policy.

This Plan of Management has been sectioned into 2 volumes to assist in referencing parts of the document.

VOLUME 1 - Strategic Plan

This volume of the Plan of Management contains values, desired outcomes, issues and strategies which have been formulated by the LPMA (Reserve Manager) and the wider community in order to appropriately manage and maintain the reserves environment and facilities.

VOULME 2 – Action Plan

This volume identifies the actions which are required to be implemented to ensure the Reserve is managed in accordance to its strategic direction set out in Volume 1. This Plan gives a status and priority rating on each action to ensure key issues are addressed as necessary.

All questions or comments regarding this Plan of Management should be directed to:

Barigan Regional Reserve Trust
Land and Property Management Authority
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1 INTRODUCTION

The action plan is the working component of the Barigan Regional Crown Reserve Plan of Management. The actions outlined in this section of the plan need to be read in conjunction with the Management Strategies identified in Volume 1 of the Plan of Management.

This action plan provides the framework for the Land and Property Management Authority (LPMA), as Reserve Manager, to appropriately manage the Barigan Regional Crown Reserve.

It is anticipated that this section of the plan will be continually reviewed and modified to keep the plan consistent with the available resources and community recreational needs.

This Plan of Management is designed to be relevant for a 5 year period with ongoing review to ensure actions and priorities are achievable and the capital and recurrent costs are relevant. It is proposed that the plan will be reviewed annually to ensure it is a working document.

2 ACTION PLAN

2.1 Actions for Strategies

The Reserve Manager has identified the following actions as:

**“practical, achievable and measurable things that need to be done to implement the management strategies”
Succeeding with Plans of Management (1996).**

Each action has been specifically formulated for each relevant management strategy which relates back to the desired outcomes (guiding principles) and ultimately the specific values of the Reserve.

Every action has been given a priority rating and its progress status. This process assists the Reserve Manager in prioritising actions. The priority ratings are subject to availability of necessary resources (funds and volunteer hours) and may require modification.

The following Status and priority ratings in the table are defined as follows:

Priority

Priority	
Immediate	Action completed within 1 year
Short Term	Action completed within 2 years
Medium Term	Action completed within 2-4 years
Long Term	Action commenced after 4 years
Ongoing	Action carried out on a regular basis for the time of this plan of management
Status	
Start	Action needs to commence
Commenced	Action has commenced
Completed	Action has been carried out

3 ACTION PRIORTIY MATRIX

The following table categorises the priority level off all the actions identified in the next section. These actions give a status of what level of action has been achieved.

The Reserve Manager should use this table to implement priority actions. This table should be reviewed every 12 months to ensure all actions are being achieved or commenced.

Priority	Immediate < 1 year	Short Term 1 - 2 years	Medium Term 2 - 4 years	Long Term > 4 years	Ongoing
Start					
Commenced					
Completed					
As required					

This will be filled in once the numbers have been finalised.

4 ACTION PLAN TABLES

VALUE 1: The ability of the Reserve to host a diverse range of activities over a large area

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: To provide the public with opportunities for a diverse range of recreational activities throughout the Reserve.					
Educate all Reserve users with regard to the fact that the Reserve is there for a wide variety of uses and not for the purpose of one user group alone.	1.1 Adequate signs at the Reserve entrance to promote the Reserve's multi recreational purpose.	Reserve Manager	Start	Immediate	Yet to be Determined
Provide facilities that will support multi recreational activities.	1.2 Ensure all users have unimpeded access to multi use facilities.	Reserve Manager	Start	Ongoing	N/A
	1.3 All new developments must accommodate multi use opportunities.		Start	Ongoing	N/A
	1.4 Construct ablutions block where necessary and appropriate		Start	Long Term	Yet to be Determined
	1.5 Develop primitive camping area facilities i.e. BBQ Sites.		Start	Short Term	Yet to be Determined
Provide suitable access to and within the Reserve.	1.6 Review and rationalise road access to and within the Reserve.	Reserve Manager	Start	Immediate	N/A
Ensure the Trust Managers uses its discretion appropriately when giving approval or granting licences for activities within the Reserve.	1.7 Ensure proposed activity or development is consistent with the Plan of Management.	Reserve Manager	Start	Ongoing	N/A
	1.8 Assess all new developments against environmental constraints.		Start	Ongoing	N/A

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: To have the ability to allocate appropriate parcels of land for new recreational activities when they are proposed.					
Ensure all new development/activities are compatible with environmental constraints and existing activities.	2.1 Seek advice from LPMA and DECCW staff on environmental issues.	Reserve Manager	Start	Ongoing	N/A
	2.2 Assess proposals against State and Local government planning legislation.		Start	Ongoing	N/A
	2.3 Apply precautionary principles to all activities.		Start	Ongoing	N/A
Be aware of access limitations when considering future uses.	2.4 Compile access management plan in conjunction with current LPMA policy.	Reserve Manager	Start	Short Term	N/A

OUTCOME: The values of the Reserve reflect the attributes valued by the Reserve users and broader community.					
Ensure the Reserve Management Values are consistent to the needs and values of all the Reserve users and the broader community.	3.1 Annually contact Reserve users to review Reserve values.	Reserve Manager	Start	Ongoing	N/A
	3.2 Reserve manager to annually review and validate Reserve users and community needs and values to ensure they are consistent.		Start	Ongoing	N/A
	3.3 If inconsistencies are identified, they are to be documented and addressed at the 5 year Plan of Management review.		Start	Long Term	N/A

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: Manage the Reserve in accordance the principles of Crown Land management.					
Ensure all activities undertaken on the Reserve adopt and implement the principles of Crown Land management.	4.1 Reserve Managers to understand the Principals of Crown Land management identified in section 3.3 (PoM Volume 1).	Reserve Manager	Completed	Immediate	N/A
	4.2 All activities are to be reviewed to ensure they are adopting and implementing the principals.		Start	Immediate /Ongoing	N/A
	4.3 All new activities proposed must be assessed against the principals of Crown Land management and must not be approved if the activity is not consistent.		Commenced	Ongoing	N/A
Promote and implement the principles of Crown Land management within the Reserve to the managers and Reserve users.	4.4 Develop a pamphlet detailing the principal value of the Reserve the guiding principles for the management of the reserve and distribute to Reserve users and interested community groups.	Reserve Manager	Start	Short Term	N/A

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: All development / activities occurring in the Reserve are compatible with the environment					
Ensure activities undertaken within the Reserve are only in areas capable of sustaining that type of landuse.	5.1 Seek advice from LPMA and DECCW staff on environmental issues.	Reserve Manager	Commenced	Ongoing	N/A
	5.2 If there are any possible environmental constraints precautionary principles must apply.		Commenced	Ongoing	N/A
	5.3 Undertake assessment to ensure proposed activity is appropriate for designated area.		Commenced	Ongoing	N/A
Apply the precautionary principle when considering all activities.	5.4 Reserve Managers to become familiar with the precautionary principle outline in Section 4.4 (PoM Volume 1)	Reserve Manager	Start	Ongoing	N/A
	5.5 Apply precautionary principle when considering or reviewing (monitoring) all activities.		Start	Ongoing	N/A
Adopt and implement the principles of ESD in the management and maintenance of the Reserve.	5.6 Reserve Managers to become familiar with the principles of Ecological Sustainable Development outline in Section 4.4 (PoM Volume 1)	Reserve Manager	Start	Ongoing	N/A
	5.7 Apply the principles of ESD when considering or reviewing (monitoring) all activities.		Start	Ongoing	N/A
Reserve management will ensure that any licences granted for development/ activities within the Reserve comply with all relevant government approvals.	5.8 Seek advice from LPMA on all new developments about the requirement for any approvals.	Reserve Manager	As Required	Ongoing	Issue Specific
	5.9 Seek advice from Muswellbrook or Mid Western Regional on all new developments about the requirement for any approvals.		As Required	Ongoing	Issue Specific

VALUE 2: Catchment & Environmental Protection.

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: Manage the Reserve for environmental protection.					
Ensure the application of the precautionary principle is adhered to in regard to any development or activity that may have a detrimental effect on the natural resources.	6.1 Reserve Managers to become familiar with the precautionary principle outline in Section 4.4 (PoM Volume 1)	Reserve Manager	Start	Ongoing	N/A
	6.2 Apply precautionary principle when considering or reviewing (monitoring) all activities.		Start	Ongoing	N/A
Ensure activities undertaken within the Reserve are only in areas capable of sustaining that type of landuse.	6.3 Seek advice from LPMA and DECC staff on Environmental Issues.	Reserve Manager	Commenced	Ongoing	N/A
	6.4 If there are any possible environmental constraints precautionary principals must apply.		Commenced	Ongoing	N/A
Devise and implement a fire management plan for the Reserve, in accordance with the local Rural Fire Services and all relevant Government Agencies.	6.5 Reserve Manager to consult with local Rural Fire Services to develop Plan.	Reserve Manager	Start	Short Term	N/A
	6.6 Trust Manager to consult with local Rural Fire Services and LPMA to develop a Hazard Reduction Strategy		Start	Short Term	N/A
	6.6 Implement hazard reduction programs in conjunction with NSW Rural Fire Service.		Commenced	Short Term	N/A
Protect areas susceptible to detrimental activities.	6.7 Identify areas which need to be protected from activity.	Reserve Manager	Start	Immediate	N/A

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: To ensure landuse is compatible with environmental constraints					
Adopt and implement the principles of ESD in the management and maintenance of the Reserve.	7.1 Reserve Managers to become familiar with the principles of ESD outline in Section 4.4 (PoM Volume 1)	Reserve Manager	Commenced	Ongoing	N/A
	7.2 Apply the principals of ESD when implementing the management programs for the maintenance of the Reserve.		Commenced	Ongoing	N/A
Conservation Grazing practices to be implemented by grazing licensees.	7.3 Licensees implementing Best Management Practices for grazing management	Grazing Licensees	Start	Ongoing	N/A
	7.4 Undertake training to increase knowledge on conservation grazing		Start	Ongoing	N/A
	7.5 Implement a monitoring program to determine that management practices are not detrimental to the environment.		Start	Ongoing	N/A
	7.6 Grazing to be restricted in environmentally sensitive areas.		Commenced	Ongoing	N/A

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: Manage and conserve remnant vegetation					
Protect areas of significant vegetation communities when identified.	8.1 If areas of significant vegetation communities are identified, map and record these communities.	Reserve Manager	Start	Long Term	N/A
	8.2 Prevent stock access into these areas.		Start	Long Term	N/A
Ensure there is no degradation of habitat value.	8.3 Set up monitoring point's key locations throughout the Reserve.	Reserve Manager	Start	Long Term	N/A
	8.4 Monitor sites annually to ensure no degradation of habitat is occurring through domestic grazing, weeds or feral animals.		Start	Long Term	N/A
	8.5 Determine strategy and action when degradation source is identified.		Start	Long Term	N/A
Manage all noxious weeds in accordance with the Noxious Weeds Act.	8.6 Develop Weed Management Plan in consultation with all relevant government agencies.	Reserve Manager	Start	Immediate	N/A
	8.7 Implement Weed Management Program within the annual land management budget.		Start	Ongoing	Yet to be Determined
Manage environmental weeds where resourced and required.	8.8 Identify areas where works will be most effective in containing environmental weeds and increasing resilience of endemic vegetation.	Reserve Manager	Start	Immediate	N/A
	8.9 Incorporate within Weed Management Plan.		Start	Immediate	N/A

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: Protect and enhance the quality of runoff water from the Reserve.					
Ensure the managers, licensees and other users of the Reserve are aware of, and comply with, government regulations in regard to water quality.	9.1 The Reserve manager to become aware of the Protection of the Environment Operations Act.	Reserve Manager	Start	Immediate	N/A
	9.2 Reserve Manager to make all Reserve users aware of the need to protect water quality within the Reserve and the implications of the POE Act.		Start	Immediate	N/A
Minimise high nutrient runoff into surface water.	9.3 Prevent any application of fertiliser with the exception of weed control programs, conducted in accordance with the Noxious Weeds Act (1993)	Reserve Manager	Start	Ongoing	N/A
Ensure that grazed areas within the Reserve retain a minimum of 70% groundcover, where naturally possible	9.4 Regular monitoring of ground cover conditions and adjustment of grazing accordingly.	Grazing Licensees	Start	Ongoing	N/A
	9.5 Reserve manager to enforce grazing licence conditions.		Start	Ongoing	N/A
	9.6 Licensees to implement Best Management Practices for grazing management		Short Term	Ongoing	N/A
	9.7 Implement a monitoring program to determine that groundcover does not fall below 70%		Start	Ongoing	N/A
	9.8 Grazing to be restricted from environmentally sensitive land (ESL).		Start	Immediate	N/A

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: Rehabilitate degraded land					
Exclude stock from areas low in groundcover to allow for revegetation.	10.1 Develop a Landscape Plan which will identify ESL and areas unsuitable for grazing.	Reserve Manager / Grazing Licensee	Start	Ongoing	N/A
	10.2 Continual monitoring to identify areas of low ground cover and actions taken accordingly.		Start	Short/ Medium Term	N/A
Ensure all earthworks within the Reserve comply with the LPMA guidelines, i.e. Erosion and Sediment Control Guidelines and design criteria and Managing Urban Stormwater (Soils & Construction) NSW Dept. of Housing.	10.3 Reserve Management to consult with LPMA prior to the commencement of any earthworks.	Reserve Manager	Commenced	Ongoing	N/A
Facilitate natural regeneration of degraded land.	10.4 Ongoing weed management.	Reserve Manager/ Grazing Licensee	Start	Ongoing	Not Yet Determined

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: Protect & enhance flora and fauna habitat and ensure biodiversity values are maintained.					
Apply the precautionary principle prior to any work or development being carried out within the Reserve.	11.1 Reserve Managers to become familiar with the precautionary principle outline in Section 4.4 (PoM Volume 1)	Reserve Manager	Start	Ongoing	N/A
	11.2 Apply precautionary principle when considering or reviewing (monitoring) all activities.		Start	Ongoing	N/A
Manage all noxious weeds and feral animals.	11.3 Develop Weed Management Plan and Feral Animal Management Plan in consultation with all relevant government agencies.	Reserve Manager	Start	Immediate	N/A
	11.4 Implement Weed management and feral animal control programs within the annual land management budget.		Commenced	Ongoing	Yet to be Determined

VALUE 3: The Landscape Character.

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: Ensure the preservation and conservation of the Reserves natural resources and aesthetics.					
Adopt and implement the principles of ESD in the preparation and application of all plans and programs for use within the Reserve.	12.1 Reserve Managers to become familiar with the principles of ESD outlined in Section 4.4 (PoM Volume 1).	Reserve Manager	Start	Ongoing	N/A
	12.2 Apply the principals of ESD when considering or reviewing (monitoring) all activities.		Start	Ongoing	N/A

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: Ensure any development or activity does not impact on the Reserves aesthetic value.					
Apply the precautionary principle prior to any work or development being carried out within the Reserve.	13.1 Reserve Managers to become familiar with the precautionary principle outline in Section 4.4 (PoM Volume 1).	Reserve Manager	Start	Ongoing	N/A
	13.2 Apply precautionary principle when considering or reviewing (monitoring) all activities.		Start	Ongoing	N/A
Ensure appropriate signage regarding waste removal.	13.3 Signage to be installed at key locations around recreational sites, advising Reserve users to remove own rubbish.	Reserve Manager	Start	Ongoing	N/A
Ensure all new infrastructure development is consistent with building code.	13.4 All structures (existing and new) to be consistent with building code and LEP Controls.	Reserve Manager	Start	Ongoing	N/A
	13.5 Remove all non compliant structures and replace with new structures.		Start	Immediate	N/A
Ensure new development is consistent with the Reserves landscape character.	13.6 Develop a Landscape Plan for the Reserve.	Reserve Manager	Start	Short Term	N/A
	13.7 Revegetate and landscape areas in conjunction with the Landscape Plan.		Start	Med/Long Term	Unknown
OUTCOME: All landuse to be compatible with the environment.					
Adopt and implement the principles of ESD in the preparation and application of all plans and programs for use within the Reserve.	14.1 Reserve Managers to become familiar with the principles of ESD outline in Section 4.4 (PoM Volume 1)	Reserve Manager	Start	Ongoing	N/A
	14.2 Apply the principles of ESD when considering or reviewing (monitoring) all activities.		Start	Ongoing	N/A

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: Maintain the rural setting of the Reserve.					
Ensure new developments or activities do not compromise the rural setting of the Reserve.	15.1 Review any developments and ensure they are consistent with the rural setting of the Reserve.	Reserve Manager	Start	Immediate	N/A
Land around new developments to be landscaped to prevent compromising the natural landscape.	15.2 Develop a Landscape Plan, with detailed mapping of zones for Environmental Protection, Camping, and Cultural Heritage etc. for the Reserve.	Reserve Manager	Start	Short Term	N/A
	15.3 Revegetate and landscape areas in conjunction with the Landscape Plan.		Start	Med/Long Term	Unknown

VALUE 4: Cultural and Historical Significance (including indigenous significance).

Strategy	Action	Primary Responsibility	Status	Priority
OUTCOME: Conserve areas of aboriginal cultural significance.				
Identify areas of Aboriginal cultural significance within the Reserve.	16.1 Invite local aboriginal lands council, and other appropriate groups, to survey Reserve area.	Reserve Manager	Start	Short Term
	16.2 Consult DECCW regarding registered aboriginal areas of significance within the Reserve.		Start	Short Term
	16.3 Identify and document areas of aboriginal significance – where culturally appropriate.		Start	Short Term
	16.4 Protect significant areas for degrading activities in conjunction of the Aboriginal Lands Council and DECCW		Start	Ongoing
Ensure activities (new/existing) do not impact on areas of aboriginal significance.	16.5 Reserve manager to develop an action plan detailing how culturally significant sites will be managed.	Reserve Manager	Start	Short Term
	16.6 Ensure plan is adhered to when considering new developments / activities.		Start	Ongoing
OUTCOME: Conserve areas of historical significance				
Identify areas of historical significance within the Reserve.	17.1 Invite historical society to survey Reserve area.	Reserve Manager	Start	Short Term
	17.2 Identify and record areas of significance within the Reserve.		Start	
	17.3 Develop a repair maintenance schedule to protect significant areas from degrading activities.		Start	
Ensure activities (new/existing) do not impact on areas of historical significance.	17.4 Reserve manager to develop an action plan detailing how historically significant sites will be managed.	Reserve Manager	Start	Short term
	17.5 Ensure plan is adhered to when considering new developments / activities.		Start	Ongoing

VALUE 5: Licensed Game Hunting.

Strategy	Action	Primary Responsibility	Status	Priority	Estimated Costs \$
OUTCOME: To be able to access designated areas of the Reserve for licensed & controlled game hunting.					
Identify areas suitable for licensed controlled game hunting in consultation with land holders and all relevant government agencies.	18.1 Refer to Landscape Plan for identified areas.	Reserve Manager/NSW Game Council	Start	Immediate	N/A
	18.2 Develop plan of suitable areas for possible gazettal after consultation is complete.		Start	Short Term	
Reserve manager to ensure only licensed hunting is taking place on designated areas.	18.3 Increase numbers and frequencies of patrols in areas known for illegal hunting.	Reserve Manager/ NSW Game Council/ NSW Police	Start	Immediate	N/A
Outcome: To reduce the incidence of illegal hunting and shooting within the Reserve					
Reserve manager to increase awareness that hunting is illegal on Reserve except for any designated licensed areas.	18.4 Appropriate signage and information leaflets be developed and placed at strategic locations around the Reserve.	Reserve Manager	Start	Immediate	N/A
Reserve manager in conjunction with landholders and reserve users to report illegal hunting.	18.5 Reserve users be made aware of illegal hunting and who to report it to.	Reserve Manager	Start	Immediate	N/A