



WARRINGAH
COUNCIL

ATTACHMENT BOOKLET

ORDINARY COUNCIL MEETING

TUESDAY 22 MARCH 2016



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Foreword

As the Mayor of Warringah Council, I am pleased and proud that the wonderful natural and cultural assets of Narrabeen Lagoon have been recognised through the creation of the Narrabeen Lagoon State Park. I am delighted to see the effort put in to this State Park by local community groups and government agencies, so that residents and visitors from across our region are able to enjoy a unique range of recreational, tourist and sporting activities.

Creation of the Narrabeen Lagoon State Park is particularly pleasing in that it draws together common bonds from across our region, and reflects the stewardship role of Warringah Council in caring for our precious natural areas. I will continue to work with the Advisory Committee to deliver sustainable management outcomes that will support the State Park and benefit the community we serve.

I hope you enjoy visiting one of the premier natural destinations in Sydney.



Mayor Michael Regan

INTRODUCTION

Narrabeen Lagoon is situated within the Warringah Council Local Government Area on the Northern Beaches, and is the largest coastal lagoon in Sydney. It covers an area of approximately 2km² and has a catchment of 55km². The catchment contains a mixture of land uses including urban, rural, recreational and native bushland.

In 2010 a proposal was put forward to declare the catchment and lagoon body a State Park. On 28 March 2014 this proposal was confirmed with the NSW Government Gazette announcing the formation of the Narrabeen Lagoon State Park Reserve Trust (see Figure 1). This was followed by a media release on 1 April 2014 by the Deputy Premier announcing the establishment of a State Park at Narrabeen Lagoon in recognition of the area's important public recreation, tourism and environmental qualities (see Figure 2).

The Narrabeen Lagoon State Park Reserve Trust (NLSVRT) encompasses:

- Narrabeen Lagoon Reserve Trust (3 land parcels on the bed of the lagoon and at the entrance)
- Jamieson Park Reserve Trust (see Figure 3).

Warringah Council was announced as the Reserve Trust Manager.

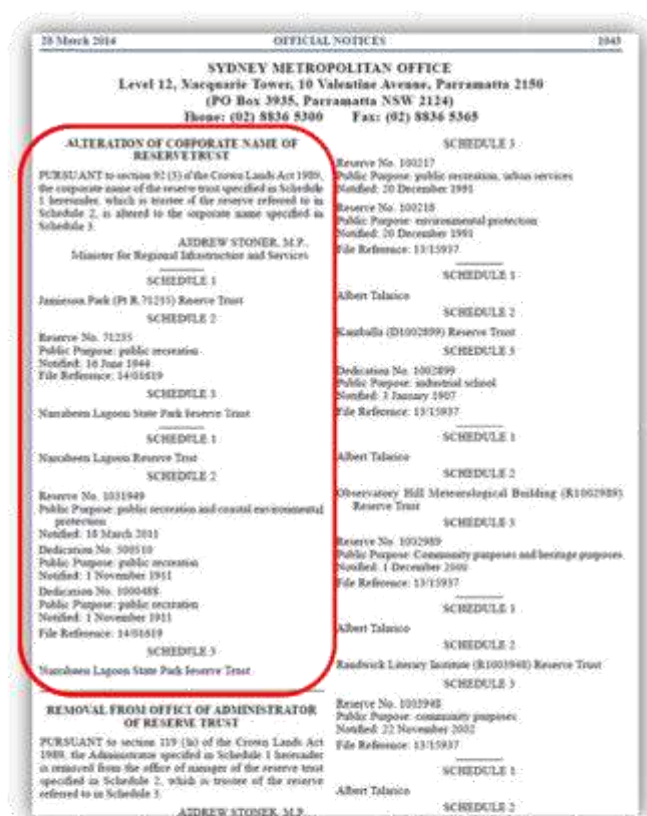


Figure 1 - NSW Government Gazettal of Narrabeen Lagoon State Park Reserve Trust



Figure 2- NSW Government media release announcing Narrabeen Lagoon State Park

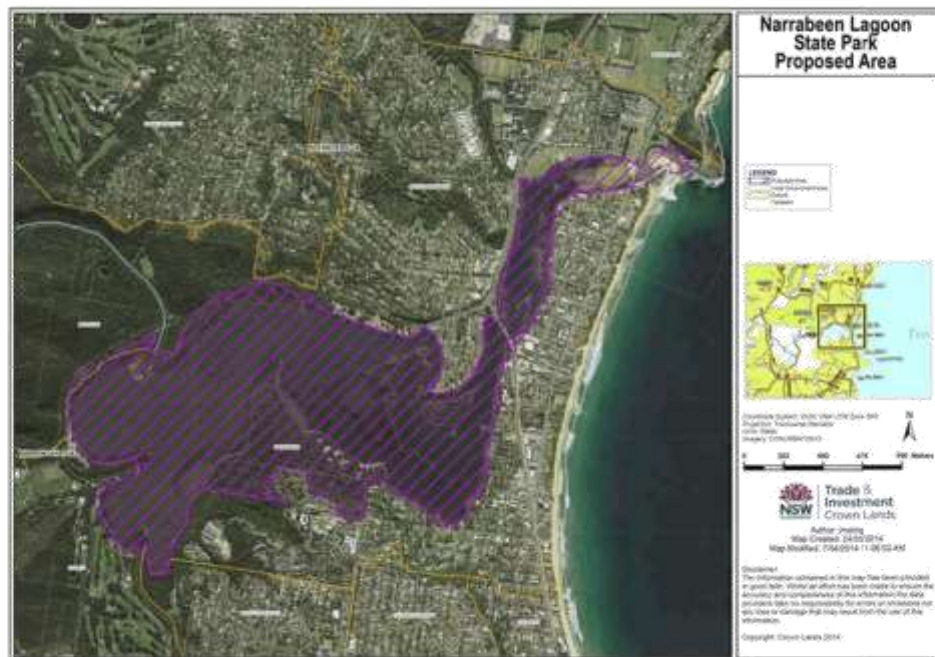


Figure 3 - Narrabeen Lagoon State Park proposed area

As part of the governance arrangements, the Narrabeen Lagoon State Park Advisory Committee (NLSAPAC) was established. This Committee was formed to help steer the management and direction of the new State Park and was formed in accordance with the Terms of Reference developed by NSW Department of Primary Industries - Lands (DPI) and Warringah Council.

PURPOSE

The purpose of the Committee as set out in the Terms of Reference (Attachment 1) is to act in an advisory role to the Narrabeen Lagoon State Park Reserve Trust and provide:

- Advice on sustainable funding options to support the ongoing management, maintenance and appropriate development within the State Park.
- Recommendations for additional land parcels for inclusion into the State Park.
- Advice on appropriate current and potential future uses of the State Park by various stakeholder groups.
- Monitoring of the implementation of the Narrabeen Lagoon Plan of Management.
- To facilitate and enable communication between the NLSAPAC, the community and stakeholders with an interest in Narrabeen Lagoon State Park.
- To provide a forum in which to allow the expression of views and opinions from a variety of stakeholders including the community, land owners and policy makers.

MEMBERSHIP

As set out in the Terms of Reference, there are eight Committee members, representing a range of community and stakeholder groups who wish to contribute to the Narrabeen Lagoon State Park. The Committee is chaired by the Mayor of Warringah. The other members are as follows:

- Community members who have knowledge of the Narrabeen Lagoon State Park:
 - One community representative
 - One recreational user group representative
 - Representative of the Chair of the Metropolitan Local Aboriginal Land Council
- Members as representatives of the main land owner groups:
 - One from Warringah Council (Trust Manager)
 - One from NSW Department of Primary Industries - Lands (Land owners)
- Members representing the State agencies with expert technical and policy information regarding the overall management of the lagoon environment:
 - One from NSW Department of Primary Industries (Fisheries)
 - One from NSW Office of Environment and Heritage.

ACHIEVEMENTS

The main goal of the Advisory Committee has been to address four main strategic issues; funding, potential expansion, appropriate use of the State Park, and oversight of implementation of the Plan of Management. The Committee has met five times: 10 November 2014, 28 January 2015, 10 June 2015, 19 August 2015 and 4 November 2015. The main topics covered by the Committee during the first twelve months are described below.

Funding

In common with most State Parks in NSW, expenditure within Narrabeen Lagoon State Park greatly exceeds the revenue generated. Warringah Council obtains income from a number of leases within the State Park, parking and reserve bookings, and returns the appropriate portion of this revenue to the NSW Government within the Crown Reserve Annual Report. Expenditure includes a range of maintenance activities, environmental management, and entrance clearance operations.

The Committee agreed there is an opportunity to increase income by looking at the business catchment which derives direct and/or indirect income from the State Park. It also considered the possibility of increasing income from licencing businesses or other uses within the State Park. However, the Committee also agreed that while Narrabeen Lagoon State Park needs to consider maximising funding opportunities, the main purpose should not be raising money.

The Advisory Committee agreed that inclusion of additional land parcels within the State Park must be accompanied by additional funding and agreed management arrangements. Members accepted the current funding arrangements and acknowledged that Council will continue to maximise income and minimise expenditure.

Potential Expansion

The DPI – Lands current boundary includes Jamieson Park and Sanctuary Island, and the Committee discussed potential expansion of the State Park boundaries including a review of parcels of land to be considered for inclusion, and the synergies with the proposed Gai-mariagal Aboriginal National Park. A multi-criteria assessment matrix was developed and approved by the Committee for prioritisation of potential lands for inclusion.

The Committee agreed that an increased number of land parcels would be beneficial to the State Park. The Committee resolved to support the inclusion of high priority NSW Government land parcels into the Narrabeen Lagoon State Park as first priority, with other land parcels for future consideration. DPI – Lands is currently investigating addition of NSW Government land parcels to the State Park in consultation with NSW Department of Planning & Environment – Office of Strategic Lands. The need to review land claim parcels was recognised.



Figure 4 - Narrabeen Lagoon Catchment

Appropriate use of the State Park

The Committee discussed and agreed the following key principles are to be considered for all development and/or activities within the State Park:

- must be sympathetic with the lagoon environment;
- seeks to direct new uses to off peak times rather than increasing the load during times of peak usage;
- seeks a fair position between commercial return and community events, i.e. would a commercial return be significant and would it contribute to the State Park being more sustainable;
- seeks a fair position between organised (private) events and public walk-up users, i.e. consideration of whether assets/areas are able to be booked by groups for exclusive use.

Based on these key principles, Warringah Council staff developed a Recreation Decision Support Matrix to assess appropriateness of proposed activities with the Narrabeen Lagoon State Park. The Committee resolved to support the Recreation Decision Support Matrix and its application.



Figure 5 - Narrabeen Lagoon State Park recreational opportunities

Oversight of Plan of Management Implementation

Warringah Council has progressed with completing the actions of the Narrabeen Lagoon Plan of Management and presented an action audit to the June meeting. The report was well received by the Committee. The Committee resolved a request for staff to present the action audit to the Committee annually, but to raise with the Committee any major issues as they arise during the year.

Other Issues

The Committee discussed a number of other issues relating to management of the State Park:

- as an alternative to dredging for recreational purposes, and to comply with a Council resolution, fourteen navigation markers were installed to demarcate the deep channel leading north from Jamieson Park, and to guide recreational users away from sensitive shallow seagrass areas.
- completion of the Narrabeen Lagoon Trail
- alleged unauthorised developments around the edge of the lagoon and lack of public access
- DPI – Lands are no longer implementing the Regional Crown Reserve Strategy and are no longer proposing to proceed with the development and adoption of the Draft Oxford Falls Regional Crown Reserve Plan of Management

THE YEAR AHEAD

The Narrabeen Lagoon State Park Advisory Committee provides a forum in which to allow the expression of views and opinions from a variety of stakeholders including the community, land owners and policy makers.

The Committee successfully carried out its duties during the first year of operation, delivering a strong framework for oversight of the State Park. It is fulfilling its purpose in advising on sustainable funding options, recommending additional land parcels for inclusion, and advising on appropriate current and potential future uses of the State Park.

The year ahead will provide an opportunity to test the application of the advice and direction provided by the Committee, and to work with State agencies to include additional parcels of land into the State Park. It will continue to act in an advisory role to the Narrabeen Lagoon State Park Trust.

ATTACHMENTS

TERMS OF REFERENCE

MINUTES:

Minutes of meeting held 10 November 2014 including:

- Attachment 1 – Terms of Reference – Narrabeen Lagoon State Park Advisory Committee
- Attachment 2 – Warringah Council Meeting Item 8.3 – Narrabeen Lagoon Recreational Dredging
- Attachment 3 – Warringah Council Meeting Item 8.3 – Narrabeen Lagoon Recreational Dredging – Resolution

Minutes of meeting held 28 January, 2015 including:

- Attachment 1 – Warringah Council Presentation - State Park Expenditure
- Attachment 2 - Warringah Council Presentation - Narrabeen Lagoon Plan of Management
- Attachment 3 - Warringah Council Presentation - Dredging Options
- Attachment 4 - Warringah Council Presentation - Potential Parcels for Inclusion
- Attachment 5 - Warringah Council Presentation – Narrabeen Lagoon Multi Use Trail Update

Minutes of meeting held 10 June, 2015 including:

- Attachment 1 - Narrabeen Lagoon State Park - Asset Roles and Responsibilities Spreadsheet 2015
- Attachment 2 - Narrabeen Lagoon Plan of Management action audit
- Attachment 3 - Proposed Narrabeen Lagoon Navigation Markers
- Attachment 4 - Narrabeen Lagoon State Park - Land parcel consideration matrix - worked examples
- Attachment 5 - Narrabeen Lagoon State Park - adjacent land ownership

Minutes of meeting held 19 August, 2015 including:

- Attachment 1 - Narrabeen Lagoon State Park Income and Expenditure
- Attachment 2 - Narrabeen Lagoon State Park - Land parcel consideration matrix

Minutes of meeting held 4 November, 2015 including:

- Attachment 1 - Recreation Decision Support Matrix
- Attachment 2 - State Government Land Parcels Map
- Attachment 3 - High Priority State Government Land Parcels Map
- Attachment 4 - Medium Priority State Government Land Parcels Map
- Attachment 5 - Narrabeen Lagoon Marker Buoys

NARRABEEN LAGOON STATE PARK ADVISORY COMMITTEE**TERMS OF REFERENCE**

1. PURPOSE

- 1.1. To act in an advisory role to the Narrabeen Lagoon State Park Trust (NLSPT) and provide:
 - 1.1.1. Advice on sustainable funding options to support the ongoing management, maintenance and appropriate development within the State Park.
 - 1.1.2. Recommendations for additional land parcels for inclusion into the State Park.
 - 1.1.3. Advice on appropriate current and potential future uses of the State Park by various stakeholder groups.
 - 1.1.4. Monitoring of the implementation of the Narrabeen Lagoon Plan of Management.
- 1.2. To facilitate and enable communication between the NLSPT, the community and stakeholders with an interest in Narrabeen Lagoon State Park.
- 1.3. To provide a forum in which to allow the expression of views and opinions from a variety of stakeholders including the community, land owners and policy makers.

2. OUTCOMES

- 2.1. The Committee is recognised by communities and stakeholders as a means whereby their views can be discussed and inputs considered into the planning, management and development of Narrabeen Lagoon State Park.
- 2.2. The NLSPT receives advice from the Committee, as requested, on management proposals and/or other issues of interest to the NLSPT.
- 2.3. The NLSPT remains informed of important community and stakeholder issues of interest.
- 2.4. The Reserve Trust Manager will manage the NLSP using the following principles:
 - 2.4.1. Establish water quality outcomes suitable for protection of the natural environment and for public recreation.
 - 2.4.2. Maintain and enhance the natural environment, accepting the principles of ecosystem based total catchment management.
 - 2.4.3. Promote and enhance the unique environmental, cultural heritage and recreational values of the State Park.

3. ACCOUNTABILITY

- 3.1. The Committee is responsible to the NLSPT in regard to all its activities.
- 3.2. The Committee is advisory only. It has no decision making authority and will instead consider all matters referred to it by the NLSPT directly, or in accordance with these Terms of Reference.
- 3.3. The Committee and its individual members are not to engage in any media activities or purport to speak for, or on behalf of NLSPT, the Community Advisory Committee without prior written consent of the NLSPT.
- 3.4. Members of the Committee agree to be bound in their membership by these terms of reference and all relevant corporate policies and requirements of the NLSPT Manager.
- 3.5. Members of the Committee agree to declare any potential or actual conflicts of interest, and at all times agree to act in the best interests of the Committee, the community of New South Wales and the NLSPT.
- 3.6. Community members of the Committee should aim to reflect the broad perspectives of the New South Wales community, and bring to the Committee knowledge of the opinions and concerns of the community and/or stakeholder groups, that might genuinely impact Narrabeen Lagoon State Park.

4. MEMBERSHIP

- 4.1. There will be eight Committee members, representing a range of community and stakeholder groups who wish to contribute to the Narrabeen Lagoon State Park.
- 4.2. The Chair will be the nominee of the Minister administering the *Crown Lands Act 1989*.
- 4.3. Three community members who have knowledge of the Narrabeen Lagoon State Park shall be appointed to the Committee by the Trust Manager:
 - One community representative
 - One recreational user group representative
- 4.4. Two members shall be appointed to the Committee as representatives of the main land owner groups:
 - One from Warringah Council (Trust Manager)
 - One from NSW Crown Lands (Land owners).
- 4.5. Two members shall be appointed to the Committee representing the State agencies with expert technical and policy information regarding the overall management of the lagoon environment:
 - One from NSW Department of Primary Industries (Fisheries)

- One from NSW Office of Environment and Heritage.
- 4.6. The members of the Committee will be formally appointed by agreement between NSW Crown Lands and the Trust Manager.
- 4.7. The Trust Manager will provide secretarial support for the administration of the Committee.
- 4.8. Appointments will be for a two year period. Members will be eligible for reappointment with a maximum of 2 terms / 4 years.
- 4.9. Members of the Committee are not paid.
- 4.10. Members cannot claim reimbursement from NLSPT for the cost of attending Committee meetings.
- 4.11. A member may at any time resign from his or her office by giving 4 weeks notice in writing.

5. PROCEEDINGS

- 5.1. The Committee will meet at regular intervals, at least two times a year.
- 5.2. A quorum is constituted if at least half the total number of members is present, including a Trust Manager representative and the Chair (or delegate).
- 5.3. The NLSPT will determine the agenda and matters for consideration by the Committee (incorporating relevant suggested items from Committee members as appropriate).
- 5.4. The Chair and Secretary of the Committee will prepare an agenda for each meeting.
- 5.5. Meetings will be minuted and will contain all recommendations of the Committee.
- 5.6. Committee recommendations will be reached by consensus wherever possible.
- 5.7. In the event that a matter needs to be voted upon, each member, including the chair of the Committee, will have an equal vote.
- 5.8. In the event of a tied vote, the motion will be deemed to be lost.
- 5.9. All Committee recommendations are to the Trust Manager who will consider the recommendations in accordance with its own governance arrangements. The Committee has no decision making authority.
- 5.10. A copy of the minutes will be provided to the NLSPT within 14 days from the meeting.
- 5.11. The Chair of the Committee will be invited to attend in person when the Trust Manager is considering Committee reports should they wish to provide further information.



Minutes

Narrabeen Lagoon State Park Advisory Committee

Minutes of the Narrabeen Lagoon State Park Advisory Committee meeting held on

10 November 2014

In Guringai Room, Warringah Council, Civic Centre, Dee Why commencing at **4 p.m.**

Todd Dickinson
Group Manager Natural Environment

Narrabeen Lagoon State Park Advisory Committee

KEY CONSTITUTIONAL REQUIREMENTS	
Purpose	<ol style="list-style-type: none"> 1.1. To act in an advisory role to the Narrabeen Lagoon State Park Trust (NLSPT) and provide: <ul style="list-style-type: none"> – Advice on sustainable funding options to support the ongoing management, maintenance and appropriate development within the State Park. – Recommendations for additional land parcels for inclusion into the State Park. – Advice on appropriate current and potential future uses of the State Park by various stakeholder groups. – Monitoring of the implementation of the Narrabeen Lagoon Plan of Management. 1.2. To facilitate and enable communication between the NLSPT, the community and stakeholders with an interest in Narrabeen Lagoon State Park. 1.3. To provide a forum in which to allow the expression of views and opinions from a variety of stakeholders including the community, land owners and policy makers.
Quorum	A quorum is constituted if at least half the total number of members is present, including a Trust Manager representative and the Chair (or delegate)
Meetings	<ol style="list-style-type: none"> 1.1. The Committee will meet at regular intervals, at least two times a year. 1.2. The Narrabeen Lagoon State Park Trust will determine the agenda and matters for consideration by the Committee (incorporating relevant suggested items from Committee members as appropriate). 1.3. The Chair and Secretary of the Committee will prepare an agenda for each meeting. 1.4. Meetings will be minuted and will contain all recommendations of the Committee. 1.5. Committee recommendations will be reached by consensus wherever possible. 1.6. In the event that a matter needs to be voted upon, each member, including the chair of the Committee, will have an equal vote. 1.7. In the event of a tied vote, the motion will be deemed to be lost. 1.8. All Committee recommendations are to the Trust Manager who will consider the recommendations in accordance with its own governance arrangements. The Committee has no decision making authority. 1.9. A copy of the minutes will be provided to the Narrabeen Lagoon State Park Trust within 14 days from the meeting. 1.10. The Chair of the Committee will be invited to attend in person when the Trust Manager is considering Committee reports should they wish to provide further information.

Narrabeen Lagoon State Park Advisory Committee

Members of the Committee, namely:

Cr Michael Regan	Warringah Council - Chair
Mr Todd Dickinson	Warringah Council GM representative
Ms Julie Whitfield	Recreation Representative
Dr Alan Jones	Community Representative
Mr Allen Madden	Metropolitan Local Aboriginal Land Council
Mr Peter Hay	Office of Environment and Heritage - National Parks
Mr David Clark	Crown Lands
Mr Marcel Green	NSW Department of Primary Industries (Fisheries NSW)

Warringah Council Staff:

Mr Adrian Turnbull	Environmental Strategy Manager
Ms Jodie Crawford	Senior Environment Officer – Catchment
Dr Alicia Loveless	Senior Environment Officer – Catchment
Ms Denise Regan	Administration

Minutes

ACKNOWLEDGEMENT OF COUNTRY

1. ATTENDANCE

- 1.1. Present: Michael Regan (Chair), Todd Dickinson, Julie Whitfield, Alan Jones, Peter Hay, David Clark, Marcel Green, Adrian Turnbull, Denise Regan
- 1.2. Apologies: Allen Madden

Prior to the formal meeting commencing the Chair invited each committee member to introduce themselves and give a brief outline of who they were and why they were a representative on this advisory committee.

2. CONFIRMATION OF MINUTES

This is the first meeting of this committee therefore there are no minutes to confirm.

3. MATTERS ARISING FROM PREVIOUS MINUTES

Nil

4. NEW BUSINESS

4.1. Terms of Reference

The Committee discussed the Terms of Reference and members were asked to provide feedback prior to ratification:

- A change was requested to Section 4 to reflect how the Committee had been formed.
- Questions were asked as to why Pittwater Council is not represented on this Committee. Staff advised that no land under Pittwater Council's care and control is included in the State Park at this time.
- Dr Jones suggested a brief statement of the overall goals of the Advisory Committee should be included to give better focus. Set Committee on track for achieving long terms goals for Narrabeen Lagoon's total catchment management.
- Staff advised that the concept of the Advisory Committee was to address four main strategic issues around funding, potential expansion, appropriate uses, and oversight of the Plan of Management implementation. The aim is to focus on these issues and look to include others at a later stage.
- A suggestion was made to tie Committee objectives to the Narrabeen Lagoon Plan of Management, however it was noted that the Plan of Management only covers to high water mark of lagoon and doesn't deal with land based issues.

ACTION:	Who
1. Changes will be made as suggested and will be circulated with minutes and ratified at the next meeting.	WC

4.2. Purpose

In order for the Committee to begin to address the four main strategic issues, members discussed the status of Narrabeen Lagoon's management, key projects and the Narrabeen Lagoon Plan of Management (PoM).

- A link to the PoM had been circulated to the Group with the agenda and the following items were raised:
 - Funding of future works: Mr Dickinson advised we spend substantial funds on Narrabeen Lagoon and its surrounds such as the new Narrabeen Lagoon trail and its signage.
 - An ongoing funding program exists for the renewal of capital works and the maintenance and operation of surrounding reserves.
 - The question was raised of who would monitor funds for this and the meeting was advised that Warringah Council has responsibility for this as the land manager.
 - Mr Clark advised that Crown Lands had a number of grants and funding opportunities throughout the year and were open to such areas. He also advised that it was possible to receive low interest loans from Crown Lands if the need arose. Grant funding opened twice a year with approximately \$25 million available per annum.
 - Mr Turnbull advised that Warringah Council received correspondence from the Honourable Andrew Stoner dated 9 October 2013 stating his approval for adoption of the PoM.
 - Ms Whitfield suggested that use of the lagoon should be a valued add and appropriate. It would also be a great benefit to have a list of appropriate recreational activities for the lagoon for all to access. It was suggested that a Recreational Plan should be written for the Lagoon. Staff advised that this action is included in the PoM and is important.
 - The matter of dredging was raised and discussed. It was advised that following a resolution of Council, alternatives to dredging were currently being progressed such as installing buoys to mark channels etc. A request had been sent to various areas of NSW Government and Pittwater Council, responses have been received from Fisheries, RMS and Crown Lands, and that further decisions would be made once all feedback had been received.
 - Mr Green advised DPI and Fisheries NSW have offered in-principle support to potential dredging options since at least 2008, and that support remains should Council decide to pursue such an option. He also explained the costs involved with dredging that being approximately \$103 per square metre for compensation for the removal of sea grass beds. The question was raised if there was an opportunity for the costs to be waived, Mr Green advised that it had occurred on rare occasions, but it was for the Minister to make that decision. Mr Turnbull advised that funding for entrance clearance works (which physically resemble dredging) was only available from OEH because it was undertaken for flood mitigation, rather than for navigation or environmental reasons.
 - The future management of the Oxford Falls Valley area was discussed in relation to Metropolitan Local Aboriginal Land Council proposals. It was suggested that we should look at the parcels of land that could be included in the State Park and then look into potential interactions with remaining lands.

The Committee raised questions in relation to strategic management of land in the catchment, and staff were given the Committees' support to investigate inclusion of



future land as part of the Committee's charter. Things to consider were the State Park boundaries, what land makes strategic sense to be included and if reorganising shapes would allow for offset areas.

The Crown Lands [Oxford Falls Regional Crown Reserve Draft Plan of Management](#) was raised as having particular relevance to this Committee, and a status update was requested from Lands.

- Future use of the reserve currently occupied by the Sydney Academy of Sport and Recreation was discussed. The Committee agreed that it was appropriate that the Academy should continue to provide the business from the southern boatshed but that public access to the rest of the reserve should be maximised.

ACTION:	By Whom:
1. Committee requested a report on how funds are currently being spent on Narrabeen Lagoon Reserve and what funds are proposed for the future.	Warringah Council
2. Provide a report of the priority actions in the PoM and their status	Warringah Council
3. Give a brief summary of the dredging options proposed and where we were currently at.	Warringah Council
4. Investigate funding for recreational dredging	Crown Lands
5. Investigate potential parcels for inclusion into a broader State Park as well as important lands in the Oxford Falls Valley	Warringah Council
6. Provide an update from the Metropolitan Local Aboriginal Land Council (MLALC) on proposed future management intentions for their parcels of land in Oxford Falls Valley.	MLALC
7. Provide an update on the Oxford Falls Regional Crown Reserve Draft Plan of Management	Crown Lands

4.3. Priority actions

- Inclusion of future lands.
- Provide a status report on the priority actions in the PoM.

5. **GENERAL BUSINESS**

5.1. Meeting Frequency

- Discussed the need to get a meeting framework in place.
- It was suggested that a meeting be held towards the end of January 2015 and that the information requested be compiled and distributed prior to then so Committee members can come prepared.

6. **NEXT MEETING**

- Wednesday, 28 January, 2015 at 4pm.

There being no further business the meeting ended at 5:50 pm

Attachment 1 - Terms of Reference

NARRABEEN LAGOON STATE PARK ADVISORY COMMITTEE**TERMS OF REFERENCE**

1. PURPOSE

- 1.1. To act in an advisory role to the Narrabeen Lagoon State Park Trust (NLSPT) and provide:
 - 1.1.1. Advice on sustainable funding options to support the ongoing management, maintenance and appropriate development within the State Park.
 - 1.1.2. Recommendations for additional land parcels for inclusion into the State Park.
 - 1.1.3. Advice on appropriate current and potential future uses of the State Park by various stakeholder groups.
 - 1.1.4. Monitoring of the implementation of the Narrabeen Lagoon Plan of Management.
- 1.2. To facilitate and enable communication between the NLSPT, the community and stakeholders with an interest in Narrabeen Lagoon State Park.
- 1.3. To provide a forum in which to allow the expression of views and opinions from a variety of stakeholders including the community, land owners and policy makers.

2. OUTCOMES

- 2.1. The Committee is recognised by communities and stakeholders as a means whereby their views can be discussed and inputs considered into the planning, management and development of Narrabeen Lagoon State Park.
- 2.2. The NLSPT receives advice from the Committee, as requested, on management proposals and/or other issues of interest to the NLSPT.
- 2.3. The NLSPT remains informed of important community and stakeholder issues of interest.
- 2.4. The Reserve Trust Manager will manage the NLSP using the following principles:
 - 2.4.1. Establish water quality outcomes suitable for protection of the natural environment and for public recreation.
 - 2.4.2. Maintain and enhance the natural environment, accepting the principles of ecosystem based total catchment management.
 - 2.4.3. Promote and enhance the unique environmental, cultural heritage and recreational values of the State Park.

3. ACCOUNTABILITY

- 3.1. The Committee is responsible to the NLSPT in regard to all its activities.
- 3.2. The Committee is advisory only. It has no decision making authority and will instead consider all matters referred to it by the NLSPT directly, or in accordance with these Terms of Reference.
- 3.3. The Committee and its individual members are not to engage in any media activities or purport to speak for, or on behalf of NLSPT, the Community Advisory Committee without prior written consent of the NLSPT.
- 3.4. Members of the Committee agree to be bound in their membership by these terms of reference and all relevant corporate policies and requirements of the NLSPT Manager.
- 3.5. Members of the Committee agree to declare any potential or actual conflicts of interest, and at all times agree to act in the best interests of the Committee, the community of New South Wales and the NLSPT.
- 3.6. Community members of the Committee should aim to reflect the broad perspectives of the New South Wales community, and bring to the Committee knowledge of the opinions and concerns of the community and/or stakeholder groups, that might genuinely impact Narrabeen Lagoon State Park.

4. MEMBERSHIP

- 4.1. There will be eight Committee members, representing a range of community and stakeholder groups who wish to contribute to the Narrabeen Lagoon State Park.
- 4.2. The Chair will be the nominee of the Minister administering the *Crown Lands Act 1989*.
- 4.3. Three community members who have knowledge of the Narrabeen Lagoon State Park shall be appointed to the Committee by the Trust Manager:
 - One community representative
 - One recreational user group representative
- 4.4. Two members shall be appointed to the Committee as representatives of the main land owner groups:
 - One from Warringah Council (Trust Manager)
 - One from NSW Crown Lands (Land owners).
- 4.5. Two members shall be appointed to the Committee representing the State agencies with expert technical and policy information regarding the overall management of the lagoon environment:
 - One from NSW Department of Primary Industries (Fisheries)

- One from NSW Office of Environment and Heritage.
- 4.6. The members of the Committee will be formally appointed by agreement between NSW Crown Lands and the Trust Manager.
- 4.7. The Trust Manager will provide secretarial support for the administration of the Committee.
- 4.8. Appointments will be for a two year period. Members will be eligible for reappointment with a maximum of 2 terms / 4 years.
- 4.9. Members of the Committee are not paid.
- 4.10. Members cannot claim reimbursement from NLSPT for the cost of attending Committee meetings.
- 4.11. A member may at any time resign from his or her office by giving 4 weeks notice in writing.

5. PROCEEDINGS

- 5.1. The Committee will meet at regular intervals, at least two times a year.
- 5.2. A quorum is constituted if at least half the total number of members is present, including a Trust Manager representative and the Chair (or delegate).
- 5.3. The NLSPT will determine the agenda and matters for consideration by the Committee (incorporating relevant suggested items from Committee members as appropriate).
- 5.4. The Chair and Secretary of the Committee will prepare an agenda for each meeting.
- 5.5. Meetings will be minuted and will contain all recommendations of the Committee.
- 5.6. Committee recommendations will be reached by consensus wherever possible.
- 5.7. In the event that a matter needs to be voted upon, each member, including the chair of the Committee, will have an equal vote.
- 5.8. In the event of a tied vote, the motion will be deemed to be lost.
- 5.9. All Committee recommendations are to the Trust Manager who will consider the recommendations in accordance with its own governance arrangements. The Committee has no decision making authority.
- 5.10. A copy of the minutes will be provided to the NLSPT within 14 days from the meeting.
- 5.11. The Chair of the Committee will be invited to attend in person when the Trust Manager is considering Committee reports should they wish to provide further information.

Attachment 2

20140429 - Warringah Council Meeting Item 8.3 - Narrabeen Lagoon
Recreational Dredging

ITEM 8.3	NARRABEEN LAGOON RECREATIONAL DREDGING - OUTCOMES FROM CONSULTATION AND FEASIBILITY ASSESSMENT
REPORTING MANAGER	GROUP MANAGER NATURAL ENVIRONMENT
TRIM FILE REF	2014/051598
ATTACHMENTS	1 Narrabeen Lagoon Recreational Dredging Community Exhibition Report (Included In Attachments Booklet) 2 Technical Report Narrabeen Lagoon Recreational Dredging Stage 2 Exhibition and Comments (Included In Attachments Booklet)

EXECUTIVE SUMMARY

PURPOSE

To present options for dredging in Narrabeen Lagoon to improve recreational access, and to report the feedback received from the community consultation process.

SUMMARY

Warringah Council has completed a dredging feasibility study to investigate options to improve recreational access in Narrabeen Lagoon. Three options are presented that provide some limited benefit for sailing, casual kayaking, canoeing and paddle boarding between Jamieson Reserve and other lagoon areas.

At the meeting of 17 December 2013, Council resolved to place the dredging options on public exhibition for community comment prior to making a final determination. Council received 96 submissions. Approximately two thirds (69) were in support of dredging. Almost half (43) were in support of the largest dredging option (Option C). A smaller number preferred minimal dredging (17 submissions for Option A) or moderate dredging (9 submissions for Option B). About one quarter of submissions (26) opposed all dredging options (Option D). A petition of 40 names was also received that opposed dredging of any kind where there is environmental impact, however this was only counted as one submission. Four letters from representative bodies were received.

The exhibition demonstrated a polarisation of views within the most engaged stakeholders. From the technical analysis it is considered there is a low risk of significant environmental impact, however the project is also considered to have a low overall benefit and a high cost. It is appropriate for Council to determine whether the project has sufficient merit to proceed to implementation, and if so, what dredging option is supported.

FINANCIAL IMPACT

Council has allocated \$1.3 million of Council funds from a proposed Special Rate Variation (SRV) to this project in the 2017/18 financial year. This will allow the implementation of Option A. Further sources of funding will be required to implement Option B or Option C and it is recommended that financial support be sought from the State Government and Pittwater Council.

POLICY IMPACT

The Narrabeen Lagoon Recreational Dredging Project is consistent with a number of strategies and plans including the Narrabeen Lagoon Estuary Management Plan 2002 and the Narrabeen Lagoon Plan of Management 2012.

RECOMMENDATION OF DEPUTY GENERAL MANAGER ENVIRONMENT

That Council

- A. Implements non-dredging options such as signage and marker buoys to improve understanding of existing channels through the lagoon.
 - B. Determines whether to proceed with dredging sections of Narrabeen Lagoon to improve recreational access and if so:
 - a. Nominates which of the available dredging options should be implemented
 - b. Approaches Pittwater Council and the State Government for more detailed consultation and funding support.
-

REPORT

BACKGROUND

Narrabeen Lagoon is naturally shallow and intermittently closes and opens to the ocean. A sand beach barrier naturally develops at the entrance which results in higher water levels after catchment rainfall. When water levels over-top the beach barrier, the lagoon quickly drains and scours out an entrance channel that can stay open for weeks to months at a time. When open, the lagoon water level is lower and responds to tidal fluctuations, compared to when it is closed.

Since 1975, to minimise the risk of flood to surrounding properties and impacts of the catchment on water quality, Warringah and Pittwater Councils have maintained the entrance of the lagoon so that it remains in an open condition for most of the time. As a result, water levels in the lagoon are typically 0.5 to 1 m lower for more of the time than in the past when the lagoon entrance remained closed. This has resulted in reduced flood risk and improved water quality, however it has had an impact on some forms of recreation in the lagoon.

The lagoon is a highly valued recreation resource due to its visual amenity and protected waters that provide a safe and pleasurable environment for water-based recreation and foreshore activities. The lagoon is a popular site for kayaking, canoeing, paddling, fishing, windsurfing, sailing, picnicking, walking/strolling/jogging, cycling, scientific interest and nature appreciation. The surrounding area contains remnant rainforest, wetlands, threatened species and endangered ecological communities. The Narrabeen Lagoon Multi-Use Trail is a highly valued asset that enhances the community's connection with the environment.

Non-commercial users of the lagoon include a sailing club, kayaking clubs, a State Government sport and recreation facility, and two surf lifesaving clubs. The clubs are located within the Warringah LGA, at Jamieson Park, Wheeler Park, Berry Reserve and the southern western basin.

Commercial operators include kayak and paddle board hire outlets, local businesses such as bait and tackle stores, a caravan park, cafes/restaurants, retail outlets, fitness groups and kayak/paddleboard hirers who travel to the lagoon from other areas.

Casual uses include kayaking and paddle-boarding, wind surfing, walking/jogging, swimming, fishing, prawning, cycling, playground use and picnicking.

Studies estimate that 2,000+ people use the lagoon for on-water recreation on peak days, and 100-500 aquatic users on off-peak days. It is estimated that over 7,000 people use the surrounding parks, reserves and facilities of the lagoon on a peak day.

Recreation studies have observed that access to the lagoon and car parking facilities are at capacity. On busy days, all car parks and picnic areas are overfull and beach space to launch vessels is limited.

Project Justification

Since the 1990s, there have been a number of requests by the community to dredge parts of Narrabeen Lagoon. These requests arise from observations that lower water levels and shallow areas in the lagoon are restricting some forms of recreation, most notably sailing, kayaking and some fishing access. There have also been requests for dredging to address increased sedimentation, poor water quality and ensure long-term viability of the lagoon as a future recreation asset.

Warringah Council has undertaken four investigations of dredging in response to these issues and concerns. In 2006, a proposal to dredge a large area in the central body and creek mouths was unable to proceed due to a lack of notable water quality improvement and significant environmental impact.

In 2009 a smaller proposal for dredging to create recreational channels in the lagoon could not proceed due to a lack of a statutory pathway for recreational dredging in the lagoon. To address this, in 2010-11 Council prepared and adopted a draft Plan of Management that will enable dredging in the lagoon to 'maintain or improve water depth for recreation without compromising its environmental values.'

Due to the importance of the lagoon as a significant recreational and environmental asset, Council consulted with the community to better understand the community's views and needs regarding the lagoon. In 2011-12, a detailed Community Consultation revealed 51% of the broad community and recreational stakeholders support recreational dredging, 22% the broad community opposed dredging and 26% neither supported nor opposed. Of those who support dredging, an overwhelming majority believe that it should be done in way that does not cause significant environmental impact, and that, as much as possible, the seagrass habitat should be protected and retained to maintain ecological function in the lagoon.

The Environmental Sustainability Strategic Reference Group (SRG) advised that it "supports the protection of environmentally sensitive areas of the lagoon as a priority and recommends the smallest possible disturbance and no net loss of potential seagrass habitat as an objective of the dredging project". The Recreation and Open Space SRG advised a "cautionary approach to dredging".

On the basis of adequate community support, and in consideration of the recommendations of the community and SRGs, Council resolved to proceed to investigate environmental and financially feasible options for recreational dredging to benefit the impacted recreation users of the lagoon.

Representatives from stakeholder groups put forward 31 preferred areas for recreational dredging (Attachment 1, Figure 1). A further seven areas were included for environmental protection, and four areas were identified for spoil disposal. The 31 areas were assessed in an Environmental Feasibility and Cost/Benefit study. From this assessment feasible options were developed for a Council determination.

Project Feasibility

Environment

The 31 proposed dredging options were first assessed for environmental feasibility. The feasibility assessment seriously considered the recommendations of the community and SRGs as well as governing State and Federal documents. The assessment drew upon the NSW Fisheries Management Act 1994 (FM Act), Threatened Species Conservation Act 1995, Commonwealth Environment Protection and Biodiversity Conservation Act 1999 and Council policies that protect and guide the management of Warringah's natural environment.

The FM Act is State Government legislation that manages and protects aquatic habitats. Seagrass is heavily protected under Part 7 of the Act, as it is an important habitat for commercial and recreational fish species, and performs a number of important ecological functions including carbon fixation, nutrient removal and sand stabilisation. Seagrass lives on the bed of shallow coastal waters. It therefore comes into frequent conflict with human activities including port and harbour development, dredging, land reclamation and pollution from sewerage and agricultural runoff. Many major estuaries in NSW have lost as much as 85% of their seagrass beds in the past 30 to 40 years.

To protect seagrass habitat from coastal pressures, a permit issued by the Minister of Fisheries is required to undertake work that will harm or remove seagrass. The permit requires a monetary compensation fee that is used toward habitat recovery for species, populations or ecological communities that are affected by the work. The fee may be used by Fisheries in other parts of NSW to mitigate the impacts of State-wide coastal development. The fee is calculated at \$102 per m² of habitat that is harmed or destroyed by the work. Many of the stakeholders' preferred dredge sites contain seagrass, therefore the impacts and the costs of recreational dredging quickly add up.

Additional environmental attributes of the lagoon, including reed lands, saltmarsh, sediments, wading bird habitat, molluscs, worms and fish, threatened species and migratory birds, bushland biodiversity and catchment impacts were assessed against State and Federal legislation (Threatened Species Conservation Act 1995, Commonwealth Environment Protection and Biodiversity Conservation Act 1999) and Council policies that protect and guide the management of Warringah's natural environment. These environmental attributes must be appropriately managed to ensure long-term viability of the lagoon as a healthy recreation water body.

Estuary process studies of Narrabeen Lagoon highlight that the biological carrying capacity of the lagoon is unknown. That is, the amount of recreation and catchment change that the lagoon can tolerate is unknown. If the lagoon is close to its capacity (or its tipping point) for tolerating change, then further pressure may result in shoreline erosion, water quality impacts, loss of vegetation, decline in fish stocks and impacts on bird and plant species. Minimal additional environmental change is recommended to ensure that the lagoon remains a viable recreational facility into the future.

Following the environmental assessment, 12 of the 31 sites were found to be potentially feasible (Attachment 1, Figure 2). Further studies were undertaken to assess the cost and benefit of the short-listed options, to develop a financially feasible and recreationally beneficial option for dredging.

Cost

An engineering consulting firm with experience in developing and managing dredging contracts was engaged to provide cost estimates for dredging works. The consultant developed a dredging and disposal methodology from previous concept designs for the lagoon and the firm's extensive experience in the development of capital construction costs for dredging.

The costs for setup, works, documentation and environmental permits are as follows:

- Mobilisation and set up starts from \$500,000 (mobilisation, setup, surveys, controls and demobilisation).
- Works range from \$10 to \$30 per m³, depending on the site size, location and complexity. Dredging all 12 sites would involve over 130,000 m³ of material.
- Engagement of contractors, environmental documentation, detailed design, project management and site supervision will cost approximately \$300,000.
- An environmental permit to harm marine habitat is calculated at \$102 per m² of habitat affected. An area of 21,000 m² of seagrasses is contained within the 12 short-listed sites.

The cost to dredge the 12 potentially feasible sites would exceed \$4,500,000.

Sale of the spoil is not considered feasible due to the high organic content of the sand in the central and western basin. This renders the sediment of insufficient quality for sale at a profit. Direct transfer of spoil into existing deep holes, via a pipe line, is considered more financially feasible and lower in environmental risk.

It is not feasible to dredge all of the 12 short-listed sites; therefore an aquatic recreation study was commissioned to seek a financially viable and recreationally beneficial option.

Benefit

A study of aquatic recreation was conducted to understand the most beneficial option for recreational dredging in the lagoon. The study included stakeholder interviews and incorporated past survey data to validate observations.

In a five day survey of the lagoon, the most popular recreation activities on the lagoon were kayaking, canoeing, surf ski paddling (425 users in a 5 day survey), fishing (319 shoreline and 78 in tinnies/boats), water play (217 people), stand-up paddle-boarding (197 people) and that swimming, windsurfing and sailing make up a minority.

It is noted that the events of the sailing club were not captured in the survey and that the club advises that there are typically 42 boats/boards on the lagoon on sailing weekends, and that the club has a membership of 150 members.

The study identified that the busiest areas are Jamieson Reserve, Berry Reserve and Bilarong Reserve, and that the most popular uses involve transiting between different areas of the lagoon.

Of the 12 potentially feasible sites, it was concluded that the most benefit could be gained from improving navigation access in the busiest areas for the most popular uses. The short-list of 12 sites was refined into 3 dredging options that create navigable pathways between the busiest areas for the most popular uses.

It was observed that all car parks and picnic areas at the lagoon are full on busy days. Recreational dredging is therefore unlikely to result in an expansion of recreation at the lagoon. Dredging is therefore likely to benefit the existing users by providing a better experience for navigating within the lagoon.

Risks

There are a number of risks associated with dredging of Narrabeen Lagoon. The risks involved in undertaking dredging are:

- **Community support.** There is risk of a swing in community support for dredging. The initial consultation revealed that 51% of the broad community support dredging, 22% opposed and 26% neither supported nor opposed. If the 26% undecided were to become opposed, or the 51% support was to change based on the latest information, then the overall community view could swing to oppose dredging.
- **Impacts from dredging one of NSW's "good condition" lagoons.** In 2013, the NSW Office of Environment and Heritage (OEH) rated Narrabeen Lagoon as being in a "good condition" and within the top 50-80% of the State's coastal lagoons and estuaries. In this case, deliberate environmental impact could be viewed as reckless or unsustainable behaviour.
- **Impacts on water quality and ecology.** While Council has attempted to minimise the environmental impact to as much as possible, it cannot be guaranteed that there will not be short-term or long-term environmental impacts. Dredge works may result in turbidity plumes, nutrient releases and noise pollution. Potential long-term impacts include bed erosion and further loss or collapse of habitat areas. The existing level of pressure on the lagoon is unknown, and even slight change could result in unforeseen consequences.
- **Risk to fish production.** Fishing is one of the most popular activities on the lagoon and seagrass beds and deep holes provide habitat for popular commercial and recreational fish species. Dredging has the potential to negatively impact fish stocks in the lagoon over both the short and long term.
- **Expectation that dredging will be ongoing or repeated.** Stakeholders may expect Council to undertake further recreational dredging to benefit user groups. At present, \$1,300,000 of funds from a Special Rate Variation has been allocated for recreational dredging and there is no certainty of funding recreational dredging works into the future.

The risks associated with not undertaking recreational dredging are:

- Concern about the long term future of recreation on the lagoon.
- Frustration and anger in the engaged stakeholders who support dredging.

Dredging Options

Three feasible options for dredging and one "No Dredging" option were developed to address recreational access problems in the busiest areas (Attachment 1, Figure 3). The options involve a series of cuts that provide easier access between popular areas, to reduce congestion and enhance the experience for casual kayakers, canoeists, paddlers and sailors who use the water off Jamieson Reserve and the central body of the lagoon. Costs range from \$0 for No Dredging, to \$1,320,000 to undertake a minimal dredging option, and to \$2,300,000 for the larger dredging option (Attachment 1, Figure 4).

OPTION A - Circuit from Jamieson to Bilarong and Wimbledon Reserves (sites 6, 8 and 10)

Option A will connect the heavily used areas of Jamieson Reserve, Wheeler Park and Berry Reserve via cuts that connect existing channels at the north and east of the lagoon.

Cost: Estimated \$1,300,000

Benefit: This option will provide an alternative pathway for kayakers/paddlers to link up to existing main kayaking routes. Currently these users take a wider route in the north of the Central Basin, and this new route will provide "shortcuts" between Jamieson Reserve, Berry Reserve, Wheeler Park and Bilarong Reserve. This may reduce congestion in some of these areas which would have a flow on effect for sailors (noting that sailors would not significantly benefit from Option A).

Impact: Approximately 11,000 m³ of sand and 2,970 m² of *Zostera sp.* seagrass will be removed, which is 1.3% of the lagoon's total seagrass and 4.1% of all the seagrass in this area.

OPTION B - Circuit from Jamieson to Bilarong and Wimbledon areas with a 50m wide

Westerly Sailing Channel

Option B will provide a navigable circuit from Jamieson Reserve to the north-west and the north-east that will enhance paddling and boating in both directions.

Cost: Estimated \$1,900,000

Benefit: This option will also provide an alternative pathway for kayakers/paddlers to link up to existing main kayaking routes (as with Option A). Currently these users take a wider route in the north of the Central Basin, and this new route will provide "shortcuts" between Jamieson Reserve, Berry Reserve, Wheeler Park and Bilarong Reserve. This may reduce congestion in some of these areas. While this option doesn't increase capacity by providing a new sailing "area", it does provide for widening of an existing channel to increase manoeuvrability for vessels on their way to existing sailing areas.

Impact: Approximately 17,000 m³ of sand and 8,135 m² of *Zostera sp.* and potentially *Halophila sp.* seagrass will be removed, which is 1.6% of the lagoon's total seagrass and 5.3% of all the seagrass in this area.

OPTION C - Circuit from Jamieson to Bilarong and Wimbledon areas with a 50m wide

Westerly Sailing Channel and increased deeper area off Jamieson to reduce congestion

This site was initially proposed by sailing groups with intent to reduce congestion out from Jamieson Reserve.

Cost: Estimated \$2,300,000

Benefit: This option will also provide an alternative pathway for kayakers/paddlers to link up to existing main kayaking routes (as with Option A and B). Currently these users take a wider route in the north of the Central Basin, and this new route will provide "shortcuts" between Jamieson Reserve, Berry Reserve, Wheeler Park and Bilarong Reserve. This may reduce congestion in some of these areas. While this option doesn't increase capacity by providing a new sailing "area", it does provide for widening of an existing channel to increase manoeuvrability for vessels on their way to existing sailing areas. Option C also provides an increased amount of space off Jamieson Reserve to reduce congestion at the launch area.

Impact: Approximately 30,000 m³ of sand and 11,190 m² of *Zostera sp.* and potentially *Halophila sp.* seagrass will be permanently removed, which is 2.3% of the total seagrass in the lagoon and 7.3% of all seagrass in this area.

The above three dredging options do not meet the preferences of anglers who wanted better access to the creeks, Sydney Academy of Sport and Recreation who wanted significant dredging in the Western Basin and some local businesses.

OPTION D – No Dredging

Option D involves no dredging in the lagoon, however Council would continue (in its role as Narrabeen Lagoon State Park Reserve Trust Manager) to explore ways to improve recreational use of the lagoon (see non-dredging options below). This would be funded from existing budgets and occasional grant income.

COMMUNITY CONSULTATION

The four options were placed on public exhibition from 19 December 2013 to 10 February 2014 to obtain community feedback. A total of 96 responses were received (Attachment 1, Figure 5). This is considered to represent the views of the most engaged community members.

Approximately two thirds of submissions (69) were in support of dredging. Almost half (43) were in support of the largest dredging option (Option C). A smaller number preferred minimal dredging (17 submissions for Option A) or moderate dredging options (9 submissions for Option B).

About one quarter of submissions (26) opposed all dredging options (Option D). A petition of 40 names was also received that opposed dredging of any kind where there is environmental impact, however this was only counted as one submission in the 26.

Four letters from representative bodies were received. Of the four, three supported the largest possible dredging, and one opposed any dredging where there would be environmental impact.

There was a diversity of reasons provided with the submissions to explain the chosen option (Attachment 1, Table 1). The most frequently provided reasons in support of dredging options were to improve recreation, reduce siltation/shallowing and improve water quality. Many submissions thought there should be more dredging, and expressed an expectation that dredging should be ongoing to expand and enhance recreation opportunities in the lagoon. The most frequently provided reasons in opposition to dredging options were unacceptable environmental impact, the current (good) ecological condition of the lagoon and a preference for other options or actions.

There is a clear diversity of opinions and no one preferred option within the most engaged users of the lagoon.

The Open Space and Recreation SRG has recommended that Option D – (take no action) take precedence until further options are explored such as entrance management to raise levels, navigational aids and the addition of interpretive signage.

Non-Dredging Options

While dredging has been the focus of the feasibility assessment, it is also clear that some short-term actions can be implemented that will improve recreational access without the need for dredging. These actions can be funded through existing operational budgets or are already included in existing projects.

Improved Navigation Information

There is currently no publically available information about existing navigable pathways in the lagoon. Installation of maps and brochures to inform users of deep and shallow areas, channels, access points and recommended routes will benefit casual visitors, customers of kayaking businesses and potentially new sailing and kayaking club members.

More experienced and elite users of the lagoon are less likely to benefit. These users may experience a secondary benefit if congestion is reduced in popular areas at peak times.

Council currently has the capability to implement this action to improve navigation.

Revised Entrance Management

Council maintains an open entrance to the lagoon for most of the time that results in typical water levels of around 0.4m AHD (typically fluctuating between 0.1m and 0.6m AHD). When the lagoon is closed, it is allowed to remain in the closed condition until the water level reaches 1.3 m AHD, at which time Council opens the entrance to reduce the risk of flooding to surrounding properties.

The entrance management policy will undergo review in 2014/15. Council can review the opening and closing procedure for the entrance and will explore opportunities to hold the lagoon at a higher water level for more time as part of the Narrabeen Lagoon Floodplain Risk Management Study which commences in 2014/15.

Management of Uses

Council is required to manage the lagoon for public recreation and environment protection. This includes appropriate management of leases and licenses. There is a risk that commercial businesses and large groups could operate on the lagoon and in surrounding areas without Council's consent. This could contribute to congestion and access issues for all users. A review of licensed, unlicensed and casual users of the lagoon will improve Council's ability to manage recreation and equitable use of the lagoon. This issue is increasingly important as the population in this area grows.

The review could address competition for space, impacts on the existing licensed users and casual visitors. Better recreation management may reduce congestion in limited space areas, improve access for different forms of recreation, increased public safety and improve asset protection. This is a recommended priority action of the Plan of Management (PoM) and will be a focus for the new Narrabeen Lagoon State Park Trust.

Catchment Management

Actions to improve water quality and protect key habitats, to ensure a safe and viable recreational water body are key recommendations of the Narrabeen Lagoon Estuary Management Plan (EMP) and PoM. Stormwater and sediment runoff has the potential to impact the aesthetic appeal, cause odours, increase bacterial levels or cause phytoplankton and algae blooms. Such adverse conditions may restrict recreational usage or cause the lagoon being closed to recreation.

Grant funding for priority catchment improvements may be more readily available than funding for dredging projects.

SUMMARY

While dredging may improve some aspects of recreation use (e.g. providing shortcuts), it is unlikely that the project will result in a significant improvement in user experience, or generate significant additional users. That is, the project is considered to have a relatively low overall benefit.

The environmental impacts associated with Options A, B and C have been limited to the greatest extent possible, however there are still some impacts (particularly to seagrass) associated with each. It is anticipated there will be a relatively low risk of significant environmental impact however this cannot be guaranteed.

Should Council decide to proceed with dredging options, sufficient funds have been set aside in a Special Rate Variation application to implement Option A in 2017. Implementing Options B or C would require additional funding, and it is appropriate that both the State Government and Pittwater Council be consulted about the preferred option and requested to provide funding support.

In summary, from the technical analysis it is considered there is a low risk of significant environmental impact, however the project is also considered to have a low overall benefit and a high cost (which at this stage would only be borne by Warringah Council).

It is appropriate for Council to determine whether the project has sufficient merit to proceed to implementation, and if so, what dredging option is supported.

TIMING

Dredging is expected to be completed within 12 months of funding being made available in 2017. Alternative options to improve recreation in the lagoon can be undertaken in the short term. This will allow the implementation of Option A. Further sources of funding will be required to implement Option B or Option C.

POLICY IMPACT

The Narrabeen Lagoon Recreational Dredging Project is consistent with a number of strategies and plans including the Narrabeen Lagoon Estuary Management Plan 2002 and the Narrabeen Lagoon Plan of Management 2012.

Attachment 3

20140429 - Warringah Council Meeting Item 8.3 - Narrabeen Lagoon
Recreational Dredging - Resolution

for Council's current skate and youth facility development program.

- C. Take into consideration the issues raised by Deborah Moffat, David Platter and Ray Cox in public forum regarding John Fisher Park, North Curl Curl Lagoon and Beach.
- D. Staff consider various locations for and the costs of pop up facilities and present back to Council within six months.

VOTING

For the resolution: Crs Daley, De Luca, Giltinan, Gobert, Harrison, Heins, Kerr, Menano-Pires, Moskal and Regan

Against the resolution: Nil

CARRIED

8.3 NARRABEEN LAGOON RECREATIONAL DREDGING - OUTCOMES FROM CONSULTATION AND FEASIBILITY ASSESSMENT

430/14 **RESOLVED**

Cr Regan / Cr Moskal

That Council:

- 1. Implement the non-dredging options as listed in the Council report including navigation information/markers, managing lagoon use through the new State Park, and exploring better catchment management practices.
- 2. As part of the Narrabeen Lagoon Floodplain Risk Management Study, investigate whether there are feasible entrance management options for maintaining higher water levels in the lagoon without significant environmental or flood impacts.
- 3. Consult with Pittwater Council and the NSW State Government to determine their preferred option, which includes the 3 dredging options contained in the Report and the 4th option not to proceed. In addition, consult with Pittwater Council and the NSW State Government to determine what level of funding they would contribute towards implementation should a commitment to dredging be made.
- 4. Prepare a further report to Council on the outcomes of recommendations 2 and 3 that will enable a final decision to be made on recreational improvement in Narrabeen Lagoon.

VOTING

For the resolution: Crs Daley, De Luca, Giltinan, Harrison, Heins, Kerr, Menano-Pires, Moskal and Regan

Against the resolution: Cr Gobert

CARRIED

8.5 RESCIND OUT-DATED AND UNUSED POLICIES

NOTE: The Mayor advised that this item had been withdrawn by the General Manager



MINUTES

NARRABEEN LAGOON STATE PARK ADVISORY COMMITTEE

HELD ON WEDNESDAY, 28 JANUARY 2015

**TODD DICKINSON
GROUP MANAGER NATURAL ENVIRONMENT**

▼
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Voting Members

Warringah Council – Chair	Mayor Michael Regan
Warringah Council GM representative	Mr Todd Dickinson
Recreational Representative	Ms Julie Whitfield
Community Representative	Mr Alan Jones
Metropolitan Local Aboriginal Land Council	Mr Allen Madden
Office of Environment and Heritage – National Parks	Mr Peter Hay
NSW Trade & Investment (Crown Lands)	Mr David Clarke
NSW Department of Primary Industries (Fisheries)	Mr Marcel Green

Officers

Coast & Waterways Manager	Mr Adrian Turnbull
Senior Environment Officer – Lagoons	Ms Jodie Crawford
Administration Coordinator	Ms Denise Regan

**Minutes of the Meeting of the Narrabeen Lagoon State Park Advisory
Committee held on Wednesday, 28 January, 2015 in the Guringai Room,
Civic Centre, Dee Why, commencing at 4:15 pm.**

ACKNOWLEDGEMENT OF COUNTRY

1. ATTENDANCE

- 1.1. Present: Michael Regan (Chair), Todd Dickinson, Julie Whitfield, Alan Jones, Peter Hay, David Clarke, Marcel Green, Colin Davidson (proxy for Allen Madden) Adrian Turnbull, Denise Regan
- 1.2. Apologies: Allen Madden

2. CONFIRMATION OF MINUTES

- 2.1. The minutes of the meeting held on 10 November 2014 with modification accepted were confirmed as correct with by Mr Green and Mayor Regan.

3. MATTERS ARISING FROM PREVIOUS MINUTES

3.1 Terms of Reference

The modifications, as requested at previous meeting, were agreed on however it was requested the word "recreation" be inserted into 2.4.3, which would now read:

2.4.3 *Promote and enhance the unique environmental, cultural heritage and recreational values of the State Park*

ACTION: Changes to be made as suggested and be circulated with minutes and ratified at the next meeting..... **Warringah Council**

RECOMMENDATION: That the information be received and noted.

Moved: Ms Whitfield / Seconded: Mr Hay

3.2 Funding

Presentation by Warringah Council

The preliminary information on funds spent on Narrabeen Lagoon Reserve given by Mr Dickinson was noted. Warringah Council staff were requested to bring back further details on expenditure that includes relevant State Park parcels.

Moving forward the Committee requested more detailed expenditure of the State Park and Mr Dickinson was asked to meet with Council's Finance staff to ascertain how the funding can be reported in a more meaningful way.

ACTION: Staff to provide further financial details on the State Park including peripheral land parcels..... **Warringah Council**

Warringah Council's CFO to be invited to the next meeting to
discuss financial reporting options. **Warringah Council**

RECOMMENDATION: That the information be received and noted.

Moved: Mayor Regan / Seconded: Mr Clarke

3.3 Plan of Management (PoM)

Presentation by Warringah Council

Mr Turnbull provided a presentation on the key points and actions in the Narrabeen Lagoon Plan of Management including current status (Attachment 2). The Committee requested that a one page traffic light report be produced to report on status. A discussion took place regarding water quality and public safety. Warringah Council's Estuary Health Report Card for 2013/14 was tabled and explained. Beachwatch was noted as the appropriate source of information on recreational water quality, see www.environment.nsw.gov.au/beachapp/oceanbulletin.aspx.

ACTION: Staff to produce traffic light reporting for PoM actions. **Warringah Council**

RECOMMENDATION: That the information be received and noted.

3.4 Waterway Use

Presentation by Warringah Council

An presentation was provided by Mr Turnbull describing the preferred options and costings that were reported to Council in April 2014, and Council's Resolution (430/14) of that report including implementation of the non-dredging option of installing navigation markers (see Attachment 3).

Further action from those Resolutions were that Council investigate amended entrance management actions for maintaining higher water levels as part of the Narrabeen Lagoon Floodplain Risk Management Study, and that consultation be undertaken with Pittwater Council and NSW State Government to determine their preferred options and potential funding contribution toward dredging of Narrabeen Lagoon.

Discussion was held regarding timelines for navigation marker installation and for information to be received from the Narrabeen Lagoon Floodplain Risk Management Study, as well as community engagement regarding both projects. Each question was responded to by Council staff including actions taken.

ACTION:

RECOMMENDATION: That the information be received and noted.

3.5 State Park Boundaries

Presentation by Warringah Council

A presentation was provided describing current State Park boundaries, depicting ownership of nearby parcels, as well as biodiversity and habitat value of the

catchment. Sustainability of the State Park was discussed including its connectivity to areas outside its boundaries. Questions were raised regarding existing condition of land parcels and Mr Turnbull described the draft Warringah Biodiversity Conservation Study (2011) and its effectiveness in determining biological and ecological value of lands.

When considering the potential inclusion of additional lands to the State Park, it was suggested that Crown land should be the first considered, followed by other State lands, then other owners. It was suggested that Middle Creek Reserve and similar "logical" parcels be included, however parcels need to be prioritised for inclusion.

It was suggested that a matrix was needed to easily determine the relevant lands for potential inclusion into the State Park, and that introduced species should be a consideration. It was agreed that the matrix should include multi criteria analysis on the considered plots of land. Mr Jones advised there was software available to make this process easy and Council should investigate.

It was agreed that community consultation on potential lands for inclusion would be required, and that consideration be given to preparing MoU's with both Cromer Golf Club and Academy of Sport to facilitate consistent land management.

- ACTION:** That a draft matrix for review of potential lands for inclusion should be brought back to a future meeting **Warringah Council**
- Copy of draft Warringah Biodiversity Conservation Study to be sent to Peter Hay, OEH **Warringah Council**
- Seek volunteers from Committee members to take photos of likely land parcels for inclusions..... **Warringah Council**

RECOMMENDATION: That the information be received and noted.

3.6 **MLALC Land Management**

Presentation by Metropolitan Local Aboriginal Land Council

Mr Colin Davidson (proxy for Mr Alan Madden) provided an update on Gai-mariagal Aboriginal National Park advised MLALC were awaiting a response from National Parks in relation to their land parcels. He advised that they were aware to the significance of this land and wanted to look after it.

Mr Hay advised that he was not aware of any formal proposal from MLALC and Mr Davidson agreed to follow this up.

National Parks and MLALC have a meeting planned for next week to seek an agreed direction for this area.

- ACTION:** Report back on status of formal proposal for the relevant lands..... **MLALC**

RECOMMENDATION: That the information be received and noted.

3.7 Draft Oxford Falls Regional Crown Reserve PoM

Presentation by Crown Lands

Mr Clarke advised that due to the changing status of land management in the area, including creation of the Narrabeen Lagoon State Park, and the proposed Gai-mariagal Aboriginal National Park, the draft Draft Oxford Falls Regional Crown Reserve Plan of Management has not been progressed.

ACTION: Provide updated map of the State Park **Crown Lands**

RECOMMENDATION: That the information be received and noted.

3.8 Narrabeen Lagoon Trail Update

Presentation by Warringah Council

An update on the Narrabeen Lagoon Trail was given by Mr Dickinson. Both bridges have been successfully installed, and construction of the trail is nearing completion. Final preparations are underway, and official opening is expected to occur before the end of February.

Discussion was held regarding future interpretive signage, including Aboriginal Heritage and acknowledgement of the Aboriginal people believed to have lived in the area of Middle Creek.

ACTION: Collaborate on research into Aboriginal settlement in the area of Middle Creek, and in preparation of Aboriginal Heritage interpretive signs..... **Warringah Council & MLALC**

RECOMMENDATION: That the information be received and noted.

4. GENERAL BUSINESS

5. NEXT MEETING

Wednesday, 27 May, 2015 at 4pm

There being no further business the meeting ended at 6:15 pm

NARRABEEN LAGOON STATE PARK ADVISORY COMMITTEE**TERMS OF REFERENCE**

1. PURPOSE

- 1.1. To act in an advisory role to the Narrabeen Lagoon State Park Trust (NLSPT) and provide:
 - 1.1.1. Advice on sustainable funding options to support the ongoing management, maintenance and appropriate development within the State Park.
 - 1.1.2. Recommendations for additional land parcels for inclusion into the State Park.
 - 1.1.3. Advice on appropriate current and potential future uses of the State Park by various stakeholder groups.
 - 1.1.4. Monitoring of the implementation of the Narrabeen Lagoon Plan of Management.
- 1.2. To facilitate and enable communication between the NLSPT, the community and stakeholders with an interest in Narrabeen Lagoon State Park.
- 1.3. To provide a forum in which to allow the expression of views and opinions from a variety of stakeholders including the community, land owners and policy makers.

2. OUTCOMES

- 2.1. The Committee is recognised by communities and stakeholders as a means whereby their views can be discussed and inputs considered into the planning, management and development of Narrabeen Lagoon State Park.
- 2.2. The NLSPT receives advice from the Committee, as requested, on management proposals and/or other issues of interest to the NLSPT.
- 2.3. The NLSPT remains informed of important community and stakeholder issues of interest.
- 2.4. The Reserve Trust Manager will manage the NLSP using the following principles:
 - 2.4.1. Establish water quality outcomes suitable for protection of the natural environment and for public recreation.
 - 2.4.2. Maintain and enhance the natural environment, accepting the principles of ecosystem based total catchment management.
 - 2.4.3. Promote and enhance the unique environmental, cultural heritage and recreational values of the State Park.

3. ACCOUNTABILITY

- 3.1. The Committee is responsible to the NLSPT in regard to all its activities.
- 3.2. The Committee is advisory only. It has no decision making authority and will instead consider all matters referred to it by the NLSPT directly, or in accordance with these Terms of Reference.
- 3.3. The Committee and its individual members are not to engage in any media activities or purport to speak for, or on behalf of NLSPT, the Community Advisory Committee without prior written consent of the NLSPT.
- 3.4. Members of the Committee agree to be bound in their membership by these terms of reference and all relevant corporate policies and requirements of the NLSPT Manager.
- 3.5. Members of the Committee agree to declare any potential or actual conflicts of interest, and at all times agree to act in the best interests of the Committee, the community of New South Wales and the NLSPT.
- 3.6. Community members of the Committee should aim to reflect the broad perspectives of the New South Wales community, and bring to the Committee knowledge of the opinions and concerns of the community and/or stakeholder groups, that might genuinely impact Narrabeen Lagoon State Park.

4. MEMBERSHIP

- 4.1. There will be eight Committee members, representing a range of community and stakeholder groups who wish to contribute to the Narrabeen Lagoon State Park.
- 4.2. The Chair will be the nominee of the Minister administering the *Crown Lands Act 1989*.
- 4.3. Three community members who have knowledge of the Narrabeen Lagoon State Park shall be appointed to the Committee by the Trust Manager:
 - One community representative
 - One recreational user group representative
- 4.4. Two members shall be appointed to the Committee as representatives of the main land owner groups:
 - One from Warringah Council (Trust Manager)
 - One from NSW Crown Lands (Land owners).
- 4.5. Two members shall be appointed to the Committee representing the State agencies with expert technical and policy information regarding the overall management of the lagoon environment:
 - One from NSW Department of Primary Industries (Fisheries)

- One from NSW Office of Environment and Heritage.
- 4.6. The members of the Committee will be formally appointed by agreement between NSW Crown Lands and the Trust Manager.
- 4.7. The Trust Manager will provide secretarial support for the administration of the Committee.
- 4.8. Appointments will be for a two year period. Members will be eligible for reappointment with a maximum of 2 terms / 4 years.
- 4.9. Members of the Committee are not paid.
- 4.10. Members cannot claim reimbursement from NLSPT for the cost of attending Committee meetings.
- 4.11. A member may at any time resign from his or her office by giving 4 weeks notice in writing.

5. PROCEEDINGS

- 5.1. The Committee will meet at regular intervals, at least two times a year.
- 5.2. A quorum is constituted if at least half the total number of members is present, including a Trust Manager representative and the Chair (or delegate).
- 5.3. The NLSPT will determine the agenda and matters for consideration by the Committee (incorporating relevant suggested items from Committee members as appropriate).
- 5.4. The Chair and Secretary of the Committee will prepare an agenda for each meeting.
- 5.5. Meetings will be minuted and will contain all recommendations of the Committee.
- 5.6. Committee recommendations will be reached by consensus wherever possible.
- 5.7. In the event that a matter needs to be voted upon, each member, including the chair of the Committee, will have an equal vote.
- 5.8. In the event of a tied vote, the motion will be deemed to be lost.
- 5.9. All Committee recommendations are to the Trust Manager who will consider the recommendations in accordance with its own governance arrangements. The Committee has no decision making authority.
- 5.10. A copy of the minutes will be provided to the NLSPT within 14 days from the meeting.
- 5.11. The Chair of the Committee will be invited to attend in person when the Trust Manager is considering Committee reports should they wish to provide further information.

NLSPAC Minutes – Attachment 1

Warringah Council Presentation - State Park Expenditure



NARRABEEN LAGOON STATE PARK - STATE PARK EXPENDITURE

Presented by:
Adrian Turnbull
Coast & Waterways Manager
Natural Environment
28 January 2015

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NARRABEEN LAGOON STATE PARK

Council expenditure

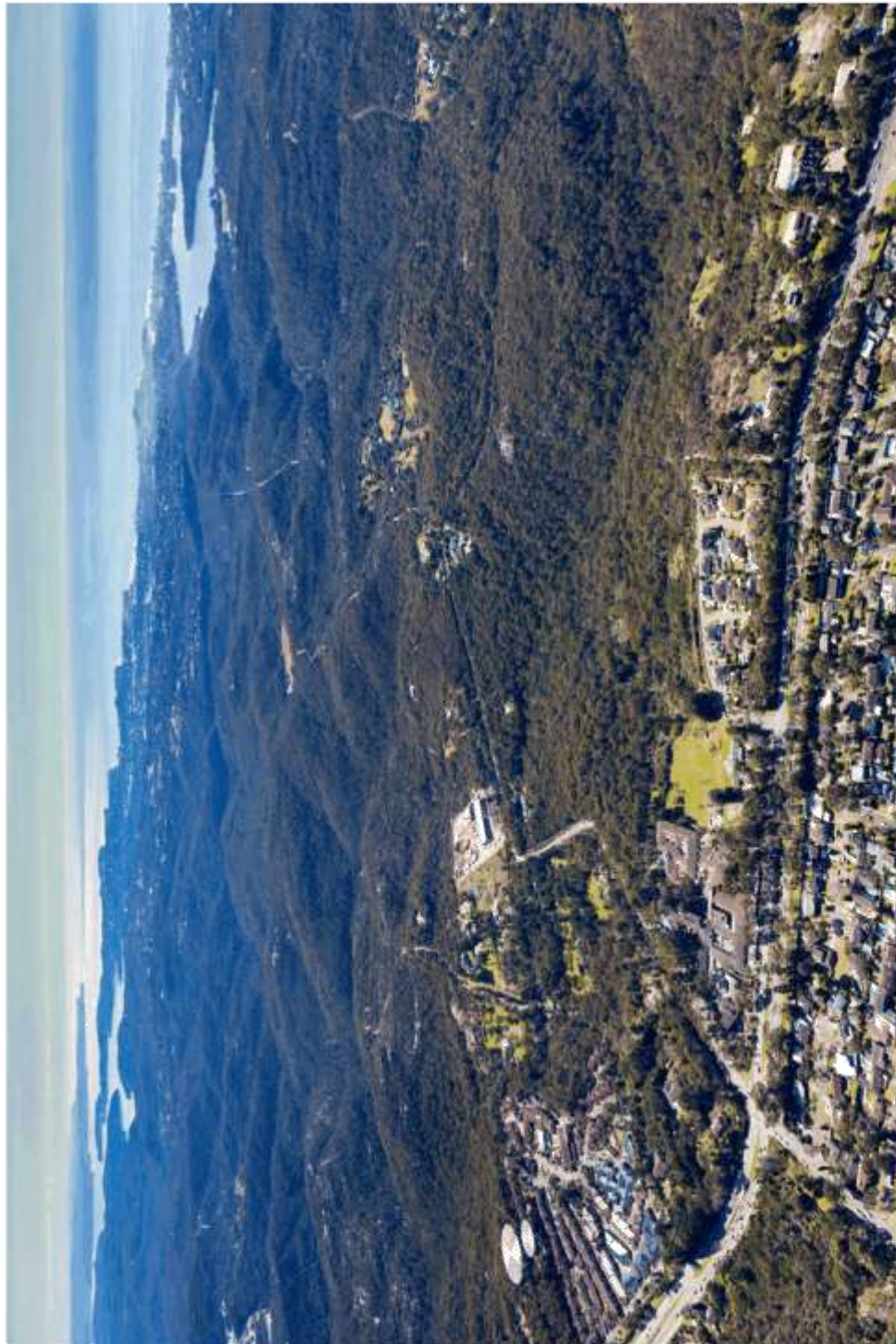


		Description	Operational costs (July 2009 - January 2015) Tech 1
Narrabeen Lagoon Reserve Trust			
Lot 7355	DP 1164008		
Lot 7358	DP 1164008	Narrabeen Lagoon	\$21,414.00
Lot 7301	DP 1140671	Narrabeen Lagoon entrance	
		Subtotal	\$21,414.00
Jamieson Park Reserve Trust			
Lot 1	DP 1148824		
Lot 7384	DP 1167208		
Lot 7385	DP 1167208	Jamieson Park lands	\$149,060.27
		Subtotal	\$149,060.27
		Total	\$170,474.27
Excludes			
	Entrance opening operations		
	Entrance clearance operations		
	Water quality monitoring		
	Some bush regeneration works		

NARRABEEN LAGOON STATE PARK



NARRABEEN LAGOON CATCHMENT



5

NLSPAC Minutes – Attachment 2

Warringah Council Presentation - Narrabeen Lagoon Plan of
Management

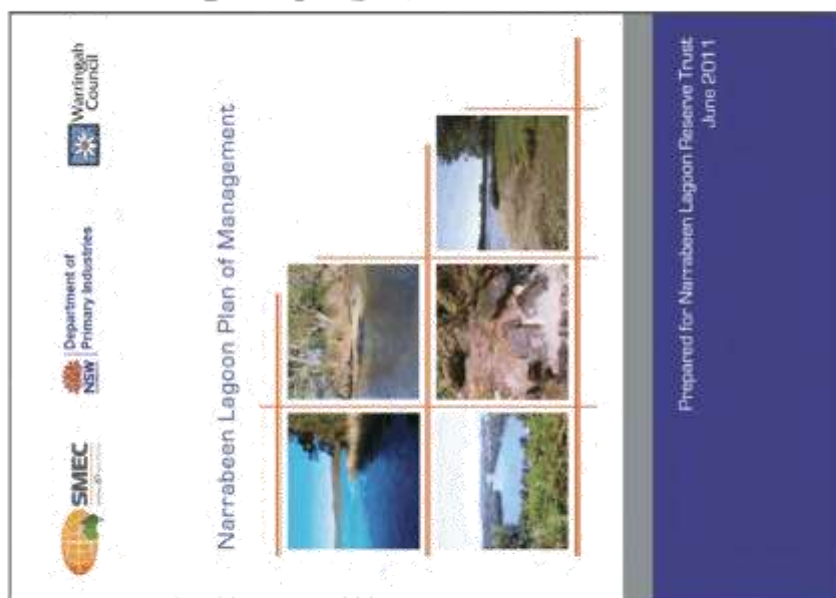


NARRABEEN LAGOON STATE PARK - NARRABEEN LAGOON PLAN OF MANAGEMENT

Presented by:
Adrian Turnbull
Coast & Waterways Manager
Natural Environment
28 January 2015

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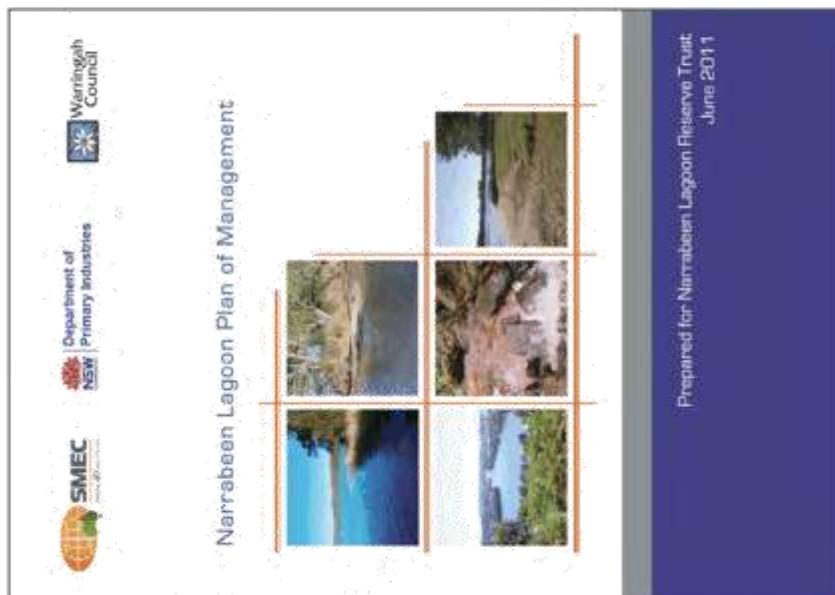
NARRABEEN LAGOON PLAN OF MANAGEMENT
 Adopted by the Honorable Andrew Stoner 9 October 2013



*"Working together for the protection
 and enhancement of the
 environmental and recreational
 values of Narrabeen Lagoon"*

NARRABEEN LAGOON PLAN OF MANAGEMENT

Adopted by the Honorable Andrew Stoner 9 October 2013



Guiding Principles of Management

- The Reserve Trust Manager will manage the lagoon in keeping with the following guiding principles:
 - Sustainable management of Narrabeen Lagoon that promotes and protects the lagoon and balances environmental and public recreational values.
 - Compliance with relevant legislation, policies and plans.
 - Sustainable financial management that seeks and allocates funding based on greatest environmental benefit.
 - Good working relationships with surrounding land managers that promote the best interests of the lagoon.
 - Safe and equitable access.

NARRABEEN LAGOON PLAN OF MANAGEMENT



4.3 Management Action Plan

Table 2 Management Strategy for Narrabeen Lagoon

Value ^a	Strategy ^a	Item ID	Action ^a	Performance Target ^a	Priority	Performance Measure ^a
Objective: To establish water quality outcomes suitable for protection of the natural environment and for public recreation;						
Natural Environment (Aquatic Habitat)	Water quality management	EP1	Investigate current litter management to determine effectiveness. Investigate public education/enforcement campaigns to reduce littering. Work with adjacent landowners and Council to maintain or improve litter management systems and procedures wherever possible.	To reduce litter entering the lagoon.	High	Reduction of litter reaching the lagoon. (Potential for measurement by GPT clean out rates).
		EP2	Where necessary, investigate causes and ecological impacts of poor water quality. Work with adjacent land owners, Reserve Trusts, OEH, Sydney Water and Pittwater Council to minimise poor quality runoff discharging into the lagoon.	Maintain or improve water quality entering the lagoon by addressing issues of concern as identified especially with consideration of aquatic ecosystems.	High	Lagoon water quality is maintained or improved (e.g. Beachwatch data).
		EP3	Work with catchment managers to investigate level and cause of sedimentation in the lagoon and tributaries, address identified issues with landholders and residents within the catchment. Implement Northern Beaches Stormwater Management Plan as appropriate.	Prevent increased rates of sedimentation above natural levels.	Medium	Assess and report any known changes in quality and rate of sedimentation.

^a Value: Identified as an important aspect of Narrabeen Lagoon, by the community, Council, DPI or SMC.

^a Strategy: A plan to preserve one of the values identified for Narrabeen Lagoon.

^a Objective: The purpose or goal of the management of Narrabeen Lagoon.

^a Performance Target: The ideal outcome of the action.

^a Performance Measure: How the action will be measured against a performance target.

Narrabeen Lagoon Plan of Management 3001930 | 28 June 2011



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NARRABEEN LAGOON PLAN OF MANAGEMENT



Value ⁵	Strategy ⁶	Item ID	Action ⁷	Performance Target ⁸	Priority	Performance Measure ⁹
Objective: To maintain and enhance the Natural Environment						
Natural Environment (Aquatic Habitat)	Protection of aquatic habitat and fauna	EP4	Ensure satisfactory environmental assessments are undertaken for works and activities proposed within the bed of the lagoon. Such activities will only proceed if the negative impact on the environment is minimal or avoided and/or appropriate mitigation and offset measures are implemented.	Prevent negative impacts to the aquatic habitat resulting from works and activities.	Ongoing	Satisfactory environmental assessments are completed as required for works and activities within the bed of the lagoon. Mitigation and offset measures are implemented as appropriate.
	Understanding of Key Aquatic Habitat	EP5	Monitor and gather relevant information as it becomes available on the condition of key aquatic habitat to understand the status and condition of the lagoon as key fish habitat. Provide information to Council for use in determining DAs and other proposed activities.	Maintain and enhance aquatic habitat including key fish habitat such as seagrass and saltmarsh within the lagoon.	Ongoing	Information is gathered from any monitoring or data collection and reported in Annual Report.
	Protection of sea grass beds and saltmarsh EEC	EP6	In consultation with relevant agencies, investigate current methods and best practice for the long term sustainability of seagrass beds and coastal saltmarsh. Operational sub plan to include saltmarsh and sea grass protection.	Reduction in the loss, or preferably an increase of estuarine vegetation of Narrabeen Lagoon, especially seagrass beds and saltmarsh, outside of natural variation.	Ongoing	Assessment of extent, quality and biodiversity within sea grass beds and coastal saltmarsh.
	Maintain or improve depth of water in the lagoon for its environmental values	EP7	Where appropriate, change the water depth (e.g. by infilling or other method) in some areas of the lagoon's central or western sections to improve its environmental and habitat values.	Water depth appropriate for improved habitat value.	High	Assessment of biodiversity within affected areas.

6

NARRABEEN LAGOON PLAN OF MANAGEMENT



Value ¹	Strategy ²	Item ID	Action ³	Performance Target ⁴	Priority	Performance Measure ⁵
Objective: To promote and enhance unique environmental and amenity values of the lagoon						
Natural Environment (Aquatic Habitat and Terrestrial Habitat)	Lagoon as educational resource	EP8	Promote use of lagoon for educational purposes. Support community groups (especially schools) and other stakeholders in studying and learning about the lagoons environment. Link to existing programs with educational facilities.	Use of lagoon by groups for educational promotions and training including TAFE and research by universities and other interest groups. Programs established with educational facilities.	Medium	Improved understanding and appreciation of the environmental, social and recreational values of the lagoon.
	Community involvement	EP9	In conjunction with appropriate stakeholders, promote and manage effective improvements in protecting the environment of the lagoon and the catchment by all residents, volunteers and other interested groups. Development and distribution of appropriate media, including liaising with community groups.	Stakeholders and the community are active participants in protecting the environment of the lagoon.	Medium	Improved understanding and appreciation of the environmental, social and recreational values of the lagoon. Report progress in Annual Report.
Heritage	Protect and enhance heritage values	EP10	Manage heritage items in accordance with heritage listing under relevant legislation and policies.	Heritage items are maintained and preserved.	Ongoing	Preservation (no impact) of heritage items in the vicinity of the study area as a result of activities on the lagoon.

NARRABEEN LAGOON PLAN OF MANAGEMENT



Value ⁶	Strategy ⁸	Item ID ⁹	Action ⁷	Performance Target ⁸	Priority	Performance Measure ¹⁰
Objective: Coastal Environmental Protection						
Natural Environment (Terrestrial Habitat)	Protection of terrestrial vegetation within the Plan area	EP11	Investigate condition and confirm classification of terrestrial vegetation within the Plan area (including island and foreshore vegetation) including endangered ecological communities (Saltmarsh and Swamp Oak Floodplain Forest). If appropriate undertake regeneration. Work with Councils, Friends of the Bush and other groups for rehabilitation works required.	Classification and condition of EEC's within the Plan area are confirmed. Identified areas of EEC are maintained and improved.	Medium	Areas and condition of EEC are assessed and recorded.
Natural Environment (Aquatic and Terrestrial Habitat)	Protection of study area from over development subsequently reducing impacts to the lagoon	EP12	Promote appropriate development and planning controls through liaison with adjacent land managers that ensures impacts on the environmental values of the lagoon are avoided or minimised.	Impacts to the natural environment of Narrabeen Lagoon from development are avoided or minimised through local development and planning controls.	Ongoing	Approved development in the catchment does not impact on the reserved purpose of Narrabeen Lagoon (public recreation and coastal environmental protection).

NARRABEEN LAGOON PLAN OF MANAGEMENT



Value ⁵	Strategy ⁶	Item ID	Action ⁷	Performance Target ⁸	Priority	Performance Measure ⁹
Objective: Sustainable, diverse and appropriate use of the area for recreation						
Recreation	Sustainable public recreation	PR1	Work with Warringah Council and relevant stakeholders to facilitate holistic approach to management of public recreation on the lagoon while avoiding/minimising environmental impacts. Specific management model for Narrabeen Lagoon to be developed as part of Warringah Council Recreation Strategy 2009 (Action 20).	Sustainable public recreation on the lagoon.	High	Implementation of this model by Warringah Council by the end of 2013. Reserve Trust Manager to document progress in annual report.
		PR2	Work with NSW Maritime to enforce restrictions on boating where safety and/or environmental issues need to be managed including increased surveillance and enforcement (if agreed upon all parties). Regular liaison between Reserve Trust Manager, NSW Maritime, DPI and Pittwater Council.	Safety and/or environmental issues relating to boating are avoided or minimised.	High	Reduction in number of incidents reported in the NSW Maritime annual report.
		PR3	Investigate use of watercraft during peak periods and determine appropriate measures to adequately manage use of water craft.	Appropriate use of watercraft within the lagoon.	Medium	Appropriate rules in place for watercraft management, and adherence to these rules.
	Water quality appropriate for swimming	PR4	Utilise existing water quality data from Beachwatch and Sydney Water and investigate adequacy of knowledge of current water quality within the lagoon. Obtain appropriate level of data on water quality for swimming.	Water quality in the lagoon appropriate for swimming.	High	Facilitate public access to water quality data.

NARRABEEN LAGOON PLAN OF MANAGEMENT



Value ^a	Strategy ^a	Item ID	Action ^a	Performance Target ^a	Priority	Performance Measure ^a
	Maintain or improve depth of water in the lagoon for recreational access without compromising its environmental values	PR5	Where appropriate, change the water depth (e.g. by dredging or other method) in some areas of the lagoon's central or western sections to improve recreational access without significantly affecting its environmental values.	Water depth is appropriate for recreation without significantly affecting the environmental values of the lagoon.	High	Bed of lagoon is at an appropriate level for sustainable recreational access and environmental values are not compromised.
	Appropriate and well maintained facilities to support recreation and maintain and improve safety for users	PR6	Maintain and upgrade appropriate facilities such as car parks, boat ramps and wash down areas. Work with adjacent land holders in undertaking these works.	Appropriate and accessible facilities are provided to maintain sustainable recreation on the lagoon.	Ongoing	Appropriate facilities are provided. Document maintenance of and provision of new facilities.
	Protection of amenity	PR 7	Include protection of amenity and peace of area as important consideration during implementation of all other management strategies. Specific management model for Narrabeen Lagoon (see PR1) to consider impacts of recreation on amenity and peace of area.	Maintain or improve amenity and peace of the area for all users.	Ongoing	Implementation of the management model by Warringham Council by the end of 2013. The amenity and peace of the area are maintained and not impacted.
	Public education	PR 8	Work with stakeholders to educate the community on the sustainable use of the lagoon (e.g. fishing size limits and appropriate disposal of litter). Resources are made available to the community, relating to the sustainable use of the lagoon. DPI to enforce license permits and fish catch size limits). Increased presence and enforcement by DPI as appropriate.	Sustainable use of the lagoon by the community.	Ongoing	Improved community perceptions of the lagoon, and improved environmental indicators.

NARRABEEN LAGOON PLAN OF MANAGEMENT



Value ⁵	Strategy ⁶	Item ID	Action ⁷	Performance Target ⁸	Priority	Performance Measure ⁹
Objective: To manage potential impacts of flooding on commercial and residential properties as identified in an adopted Flood Risk Management Plan						
Flood Mitigation	Flood mitigation for protection of homes and businesses in surrounding areas	PR9	Use data and recommendations from adopted Floodplain Risk Management Plans for Narrabeen Lagoon to manage flood risk. Review actions of this Plan upon reviews of the Narrabeen Lagoon Flood Study, Flood Risk Management Strategy and Flood Risk Management Plan. Update where appropriate in response to findings of the study.	Flood risk managed appropriately.	High	Implementation of adopted Floodplain Risk Management Plans for Narrabeen Lagoon and report on flood information in annual reports.
		PR10	Assess entrance management regimes in conjunction with Warringham and Pittwater Councils and the community to ensure the most efficient and effective management of this area is maintained. Undertake review of effectiveness and impacts of entrance management procedures is undertaken, in consultation with Warringham and Pittwater Councils and the community.	Appropriate entrance management regimes are implemented.	Ongoing	Appropriate review of entrance management procedures is undertaken and the most efficient and effective management of this area is implemented. Report on the activities, assessments and reviews undertaken.
		PR11	Management of flood risk to commercial operations and private property including provision of flood risk information to prospective commercial operators and the public and set plans in place.	Appropriate management of flood risk to commercial operations and private property.	Ongoing	Production of and reporting on flood awareness and planning material.

NARRABEEN LAGOON PLAN OF MANAGEMENT

Value ^a	Strategy ^a	Item ID	Action ^c	Performance Target ^b	Priority	Performance Measure ^a
Objective: Effective administration for implementing strategies						
All	Annual reporting	Admin 1	Annual report prepared for Narrabeen Lagoon and submitted to DPI. Report to be publicly available on Warringah Council website.	Prepare and make public a Trust report for Narrabeen Lagoon on an annual basis.	Ongoing	Annual report meets statutory requirements and provides information to DPI, stakeholders and the community
	Appropriately gazetted purpose	Admin 2	All areas of the lagoon to include 'Coastal Environmental Protection' as a reserve purpose under the CL Act.	Purpose of Narrabeen Lagoon reflects current value of Crown Reserve land by stakeholders.	High	Public purpose of dedications amended to include 'Coastal Environmental Protection'.
	Integrated management of local Crown reserves	Admin 3	Investigate the merits of the amalgamation of Narrabeen Lagoon and one or more areas or surrounding Crown land reserves into a State Park.	Optimal management of Narrabeen Lagoon and other Crown lands in the catchment.	Medium	Investigation into the merits of State Park is undertaken. Annual report to include a section on the status of this investigation.
	Approval of leases and licences by Reserve Trust Manager	Admin 4	Investigate if it would be beneficial for the management of Narrabeen Lagoon for the Reserve Trust Manager to be authorised to grant leases and licences by the Minister administering the CL Act.	Determination and documentation of costs and benefits for Reserve Trust Manager in being able to determine leases/licences.	Low	Investigation into the management of leases/licences is undertaken. Annual report to include information on this investigation.
	Sustainable Financial Management of Reserve Trust	Admin 5	Develop a financial management model for implementation by the Reserve Trust Manager.	Narrabeen Lagoon is effectively managed by income generated on and by the lagoon and from external sources (including grants).	High	A financial management model is developed and finances are audited under standard Council financial accounting procedures.
	Rationalise reserve boundaries for Narrabeen Lagoon Reserve Trust Management Lands	Admin 6	Investigate undertaking redefinition surveys with respect to boundaries.	Relevant land reserves are rationalised and final title plans are revised and re-registered with the LPI.	High	Lodgement and registration of amended title plans with the LPI.

NLSPAC Minutes – Attachment 3

Warringah Council Presentation - Dredging Options



NARRABEEN LAGOON STATE PARK - DREDGING OPTIONS

Presented by:
Adrian Turnbull
Coast & Waterways Manager
Natural Environment
28 January 2015

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NARRABEEN LAGOON RECREATIONAL DREDGING

Report to Ordinary Council meeting 29 April 2014 - Item 8.3

Narrabeen Lagoon recreational dredging - Outcomes from consultation and feasibility assessment

Options for dredging to improve recreational access:

OPTION A - Circuit from Jamieson to Bilarong and Wimbleton Reserves (sites 6, 8 and 10)
Cost: Estimated \$1,300,000

OPTION B - Circuit from Jamieson to Bilarong and Wimbleton areas with a 50m wide Westerly Sailing Channel
Cost: Estimated \$1,900,000

OPTION C - Circuit from Jamieson to Bilarong and Wimbleton areas with a 50m wide Westerly Sailing Channel and increased deeper area off Jamieson to reduce congestion
Cost: Estimated \$2,300,000

OPTION D – No Dredging

Option D involves no dredging in the lagoon, however Council would continue (in its role as Narrabeen Lagoon State Park Reserve Trust Manager) to explore ways to improve recreational use of the lagoon.

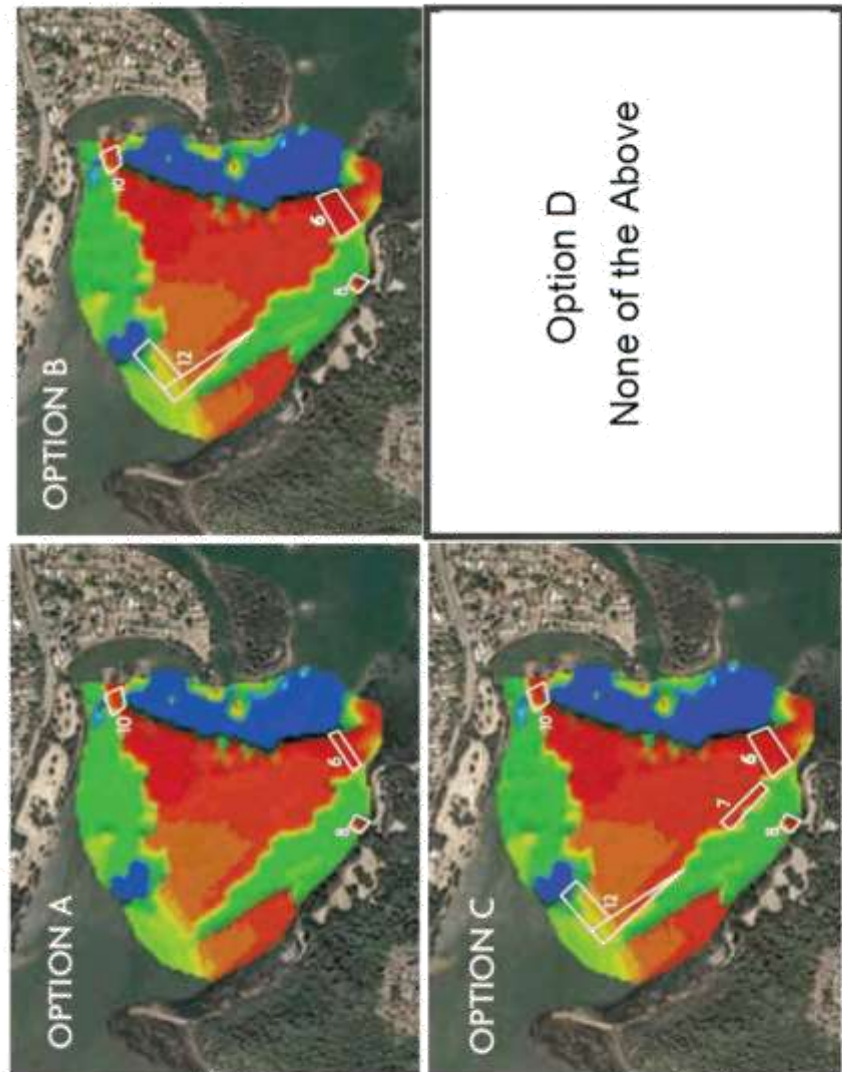
Cost: This would be funded from existing budgets and occasional grant income.

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3

NARRABEEN LAGOON RECREATIONAL DREDGING Report to Ordinary Council meeting 29 April 2014 - Item 8.3

Proposed dredging channels overlying the lagoon bed. Bed colour scale (relative to Australian Height Datum): ■ +0.5 to -0.5m, ■ -0.5 to -1.5m, ■ -1.5 to -2.5m, ■ -3 to -4.5m, ■ <-5m



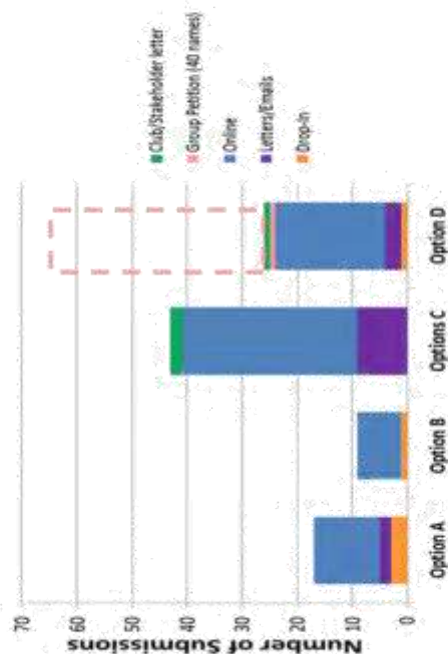
NARRABEEN LAGOON RECREATIONAL DREDGING

Report to ordinary Council meeting Item 8.3 - 29 April 2014

Narrabeen Lagoon recreational dredging - Outcomes from consultation and feasibility assessment

Feedback from community consultation:

- 96 submissions received;
- 69 supported dredging
- 17 preferred minimal dredging (Option A)
- 9 preferred moderate dredging (Option B)
- 43 supported the largest dredging (Option C)
- 26 opposed all dredging options (Option D)
- 1 petition of 40 names opposed dredging of any kind where there is environmental impact.



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NARRABEEN LAGOON RECREATIONAL DREDGING

Report to ordinary Council meeting Item 8.3 - 29 April 2014



Narrabeen Lagoon recreational dredging - Outcomes from consultation and feasibility assessment

Proposed funding:

- that Council allocate \$1.3 million of Council funds from a proposed Special Rate Variation (SRV) to implement Option A in the 2017/18 financial year.
- further sources of funding will be required to implement Option B or Option C, recommend that financial support be sought from the State Government and Pittwater Council
- that Option D to not dredge, and continue to explore ways to improve recreational use of the lagoon, would be funded from existing budgets and occasional grant income.

Insert presentation name here via slide master

6

NARRABEEN LAGOON RECREATIONAL DREDGING

Minutes of Warringah Council meeting 29 April 2014



8.3 NARRABEEN LAGOON RECREATIONAL DREDGING - OUTCOMES FROM CONSULTATION AND FEASIBILITY ASSESSMENT 430/14 RESOLVED

That Council:

1. Implement the non-dredging options as listed in the Council report including navigation information/markers, managing lagoon use through the new State Park, and exploring better catchment management practices.
2. As part of the Narrabeen Lagoon Floodplain Risk Management Study, investigate whether there are feasible entrance management options for maintaining higher water levels in the lagoon without significant environmental or flood impacts.
3. Consult with Pittwater Council and the NSW State Government to determine their preferred option, which includes the 3 dredging options contained in the Report and the 4th option not to proceed. In addition, consult with Pittwater Council and the NSW State Government to determine what level of funding they would contribute towards implementation should a commitment to dredging be made.
4. Prepare a further report to Council on the outcomes of recommendations 2 and 3 that will enable a final decision to be made on recreational improvement in Narrabeen Lagoon.

Insert presentation name here via slide master

7

NARRABEEN LAGOON RECREATIONAL DREDGING Navigation Marker Installation and improved management



In response to part 1 of the resolution, navigation marker installation and improved management:

Warringah Council is currently developing a plan to locate and install navigation markers, in consultation with key user groups, aiming to have the installation undertaken in the middle of 2015.

Grant funding applications have been submitted to:

- Recreational Fishing Trust funding
- Rescuing Our Waterways grant program under Sustainable Dredging Strategy

Establishment of the Narrabeen Lagoon State Park Advisory Committee

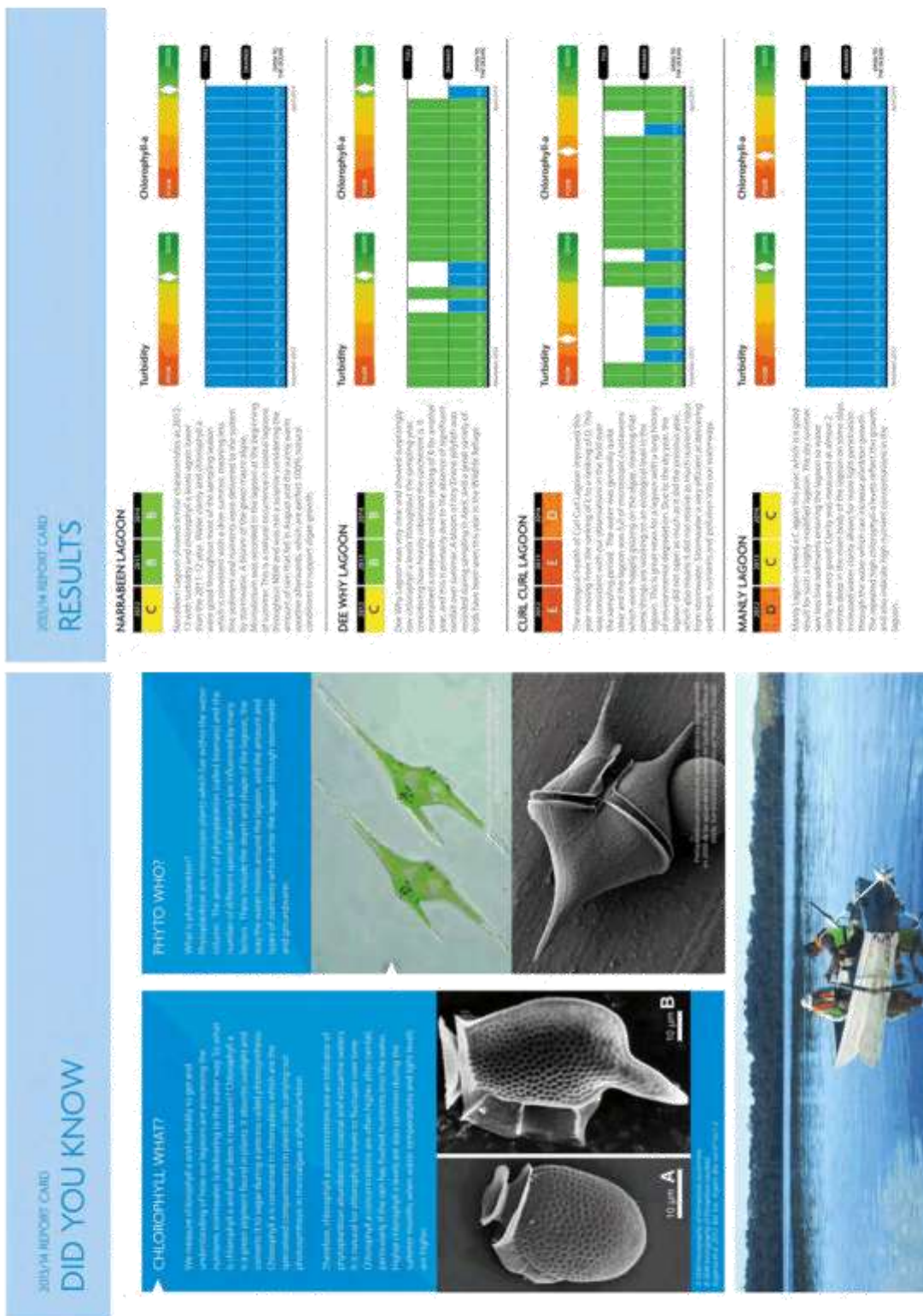
Ongoing catchment management improvement process:

- draft Water Management Policy
- draft Stormwater Asset Management Plan
- draft Natural Areas Asset Management Plan
- updating of the Warringah Creek Management Study
- Lagoon and creek monitoring program

Insert presentation name here via slide master

8





NARRABEEN LAGOON RECREATIONAL DREDGING Narrabeen Lagoon Floodplain Risk Management Study



In response to part 2 of the resolution, Narrabeen Lagoon Floodplain Risk Management Study:

Warringah Council, in partnership with Pittwater Council and the Office of Environment and Heritage:

- included consideration of alternative entrance management procedures within the Narrabeen Lagoon Floodplain Risk Management Study and Plan tender documents
- tenders received and evaluated
- contract soon to be awarded
- project duration 18 months to 2 years

Insert presentation name here via slide master

11

NARRABEEN LAGOON RECREATIONAL DREDGING

Consultation on options and funding



In response to part 3 of the resolution, consult with Pittwater Council and the NSW State Government, correspondence was sent to:

- NSW Trade & Investment (Crown Lands)
- NSW Department of Primary Industries (Fisheries)
- NSW Transport (Roads & Maritime Services)
- Pittwater Council
- NSW Office of Environment and Heritage

Crown Lands:

- acknowledged the work Warringah Council has done in developing options for recreational dredging in Narrabeen Lagoon
- referred to the Rescuing our Waterways Program, part of the Government's Sustainable Dredging Strategy, as providing a coordinated approach to improve the accessibility and health of our waterways.

Fisheries NSW :

- commends preference for non-dredging solutions that will not result in the loss of any seagrass
- not in a position to provide funding, nor to reduce the potential cost of compensation for dredging of seagrass beds

Insert presentation name here via slide master

12

NARRABEEN LAGOON RECREATIONAL DREDGING

Consultation on options and funding



Roads and Maritime Services:

- encourages improved recreational access and use of Narrabeen Lagoon, welcome further discussion on the options for recreational dredging
- noted that the Transport for NSW Regional Boating Plan study recommends referral to Crown Lands' Sustainable Dredging Strategy and Rescuing our Waterways program
- recommended consideration of Minister for Roads and Freight boating infrastructure program - "NSW Boating Now"

Pittwater Council:

- noted concerns of potential environmental damage, queried demonstration of net social benefit for any recreational dredging options, and proffered investigation of modifying Warringham Council's lagoon entrance management regime.
- pleased to further explore the equitable joint funding of regionally significant projects, particularly if discussions embrace regional projects and facilities within the Pittwater LGA that provide recreational opportunities which may be enjoyed by Warringham residents.

NSW Office of Environment and Heritage:

- no response has been received.

Insert presentation name here via slide master

13

NARRABEEN LAGOON RECREATIONAL DREDGING

Report back to Warringah Council



In response to part 4 of the resolution, prepare a further report to Council on the outcomes of recommendations 2 and 3 that will enable a final decision to be made on recreational improvement in Narrabeen Lagoon:

Will be undertaken:

- at the conclusion of part 2, completion of the Narrabeen Lagoon Floodplain Risk Management Study, in 18 months to 2 years
- in consideration of the outcomes of ongoing discussions with Pittwater Council and the NSW Government over that period

Insert presentation name here via slide master

14

NLSPAC Minutes – Attachment 4

Warringah Council Presentation - Potential Parcels for Inclusion



NARRABEEN LAGOON STATE PARK POTENTIAL PARCELS FOR INCLUSION

Presented by:
Adrian Turnbull
Coast & Waterways Manager
Natural Environment
28 January 2015

WARRINGAH.NSW.GOV.AU

GAZETTAL OF THE NARRABEEN LAGOON STATE PARK RESERVE TRUST 28 March 2014



28 March 2014

OFFICIAL NOTICES

1045

SYDNEY METROPOLITAN OFFICE
Level 12, Macquarie Tower, 10 Valentine Avenue, Parramatta 2150
(PO Box 3935, Parramatta NSW 2124)
Phone: (02) 8836 5300 Fax: (02) 8836 5365

**ALTERATION OF CORPORATE NAME OF
RESERVE TRUST**

PURSUANT to section 92 (3) of the Crown Lands Act 1989, the corporate name of the reserve trust specified in Schedule 1, hereinafter, which is trustee of the reserve referred to in Schedule 2, is altered to the corporate name specified in Schedule 3.

ANDREW STONER, M.P.
Minister for Regional Infrastructure and Services

SCHEDULE 1

Jamieson Park (P.R. 71235) Reserve Trust

SCHEDULE 2

Reserve No. 71235
Public Purpose: public recreation
Notified: 16 June 1944
File Reference: 14/01619

Narrabeen Lagoon State Park Reserve Trust

SCHEDULE 1

Narrabeen Lagoon Reserve Trust

SCHEDULE 2

Reserve No. 103149
Public Purpose: public recreation and coastal environmental
Notified: 18 March 2011

Dedication No. 500510

Public Purpose: public recreation

Notified: 1 November 1911

Dedication No. 1000488

Public Purpose: public recreation

Notified: 1 November 1911

File Reference: 14/01619

SCHEDULE 3

Narrabeen Lagoon State Park Reserve Trust

**REMOVAL FROM OFFICE OF ADMINISTRATOR
OF RESERVE TRUST**

PURSUANT to section 119 (1a) of the Crown Lands Act 1989, the Administrator specified in Schedule 1 hereinafter is removed from the office of manager of the reserve trust specified in Schedule 2, which is trustee of the reserve referred to in Schedule 3.

ANDREW STONER, M.P.

Reserve No. 100217

Public Purpose: public recreation, urban services
Notified: 20 December 1991

Reserve No. 100218

Public Purpose: environmental protection
Notified: 20 December 1991
File Reference: 13/15937

SCHEDULE 1

Albert Tabacco

SCHEDULE 2

Kamballa (D1002399) Reserve Trust

SCHEDULE 3

Dedication No. 1002399

Public Purpose: public recreation

Notified: 3 January 1997

File Reference: 13/15937

SCHEDULE 1

Albert Tabacco

SCHEDULE 2

Observatory Hill Meteorological Building (R1002989) Reserve Trust

SCHEDULE 3

Reserve No. 1002989

Public Purpose: Community purposes and heritage purposes
Notified: 1 December 2006
File Reference: 13/15937

SCHEDULE 1

Albert Tabacco

SCHEDULE 2

Randwick Library Reserve (R1003945) Reserve Trust

SCHEDULE 3

Reserve No. 1003946

Public Purpose: community purposes

Notified: 23 November 2002

File Reference: 13/15937

SCHEDULE 1

Albert Tabacco

SCHEDULE 2

SCHEDULE 3

The Narrabeen Lagoon State Park Reserve Trust encompasses:

- Narrabeen Lagoon Reserve Trust (3 land parcels on the bed of the lagoon and at the entrance)
- Jamieson Park Reserve Trust

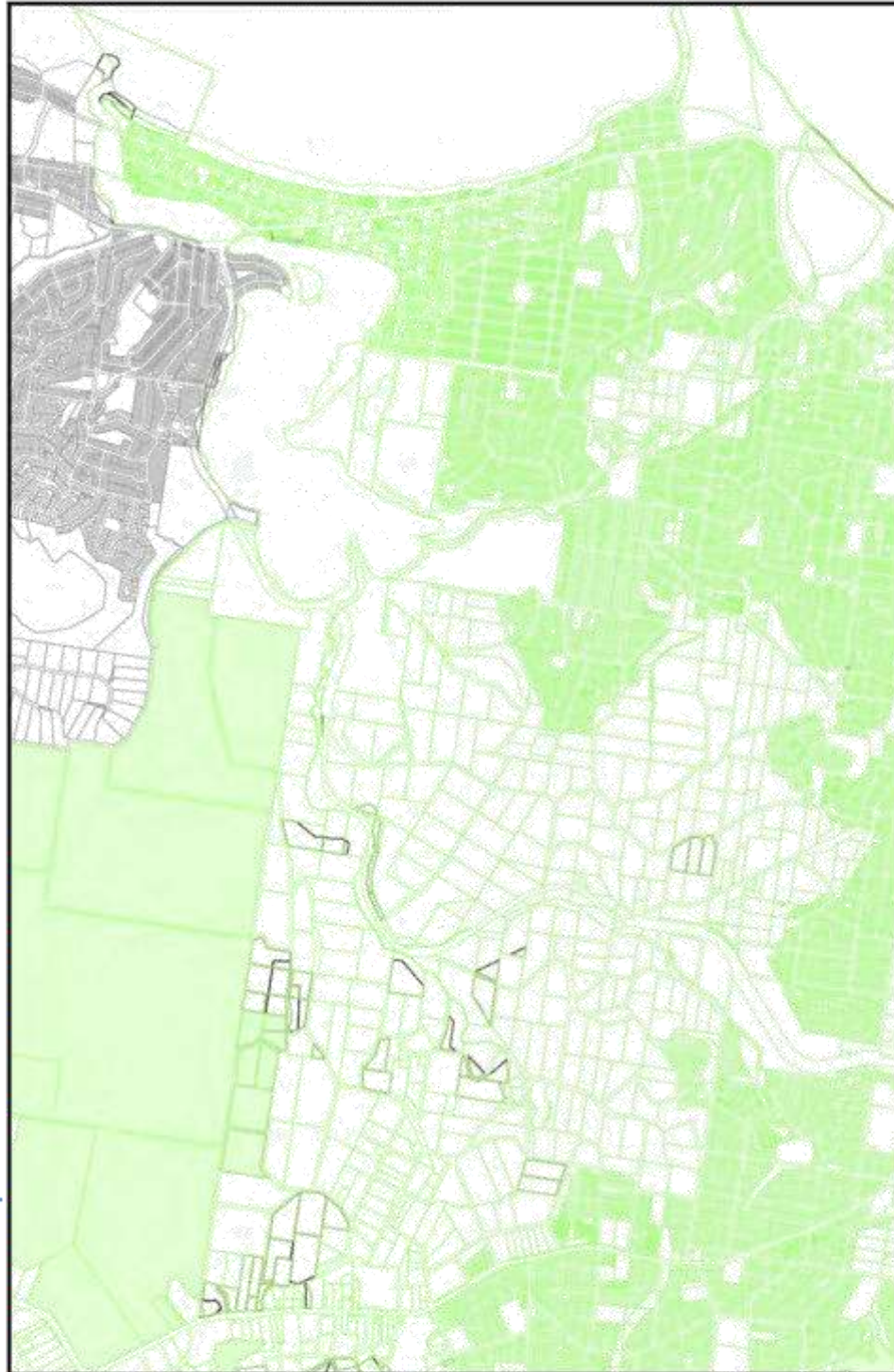
Warringah Council is the Reserve Trust Manager

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NARRABEEN LAGOON STATE PARK
Gazetted 28 March 2014



NARRABEEN LAGOON STATE PARK
Potential parcels for inclusion?



Insert presentation name here via slide master

NARRABEEN LAGOON STATE PARK

Potential parcels for inclusion

Long term goal

- Increase the scale and significance of Narrabeen Lagoon State Park

Methodology for consideration:

- Connectivity
- Biodiversity / threatened species
- Ease of inclusion
- Consultation with landowners

Insert presentation name here via slide master

NARRABEEN LAGOON STATE PARK

Potential parcels for inclusion



Staged approach:

- 1) Low hanging fruit – logical parcels
- 2) Other large unused parcels of government land
- 3) Negotiation with other landowners

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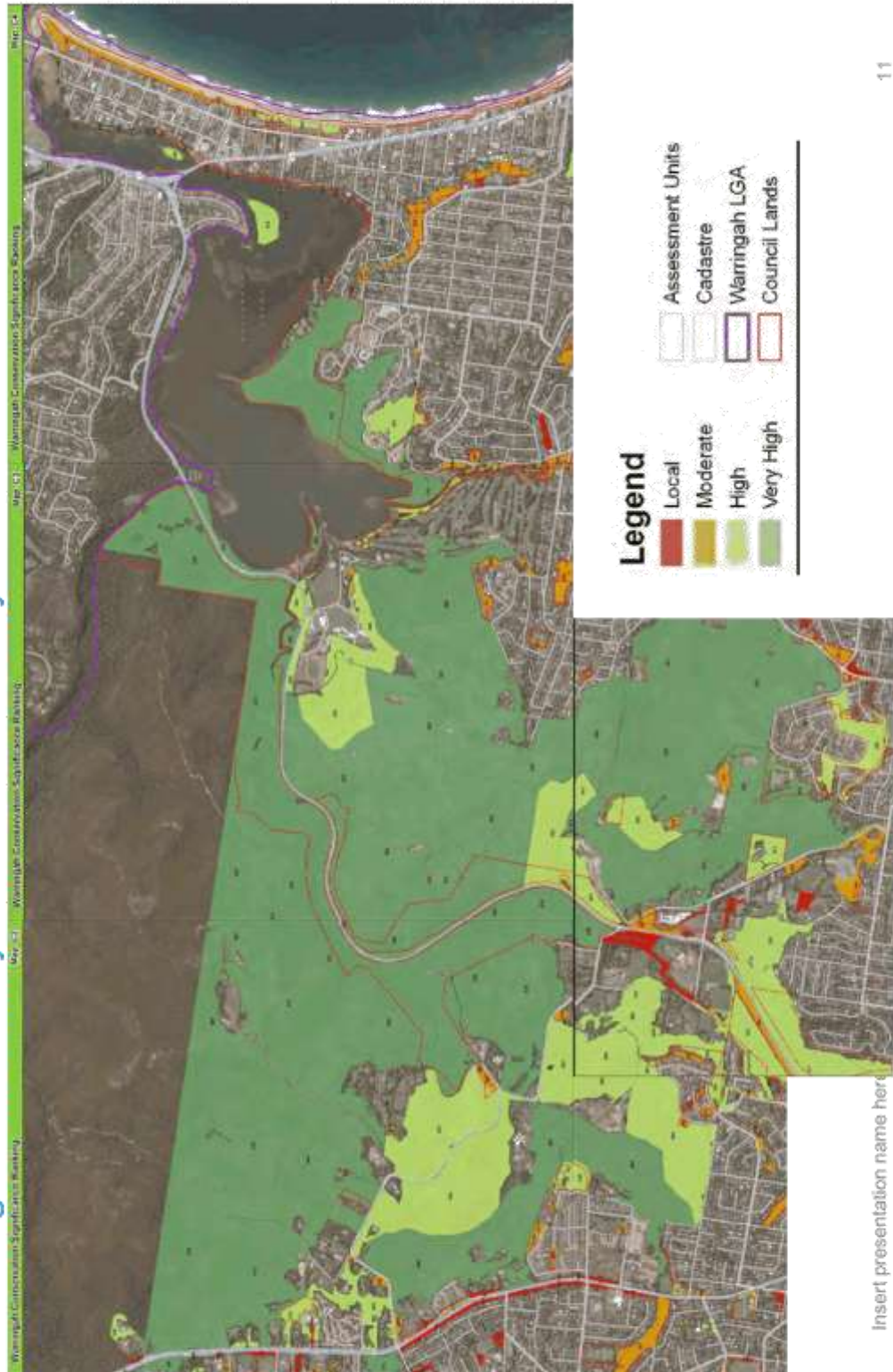
9

NARRABEEN LAGOON STATE PARK
Cadastral map

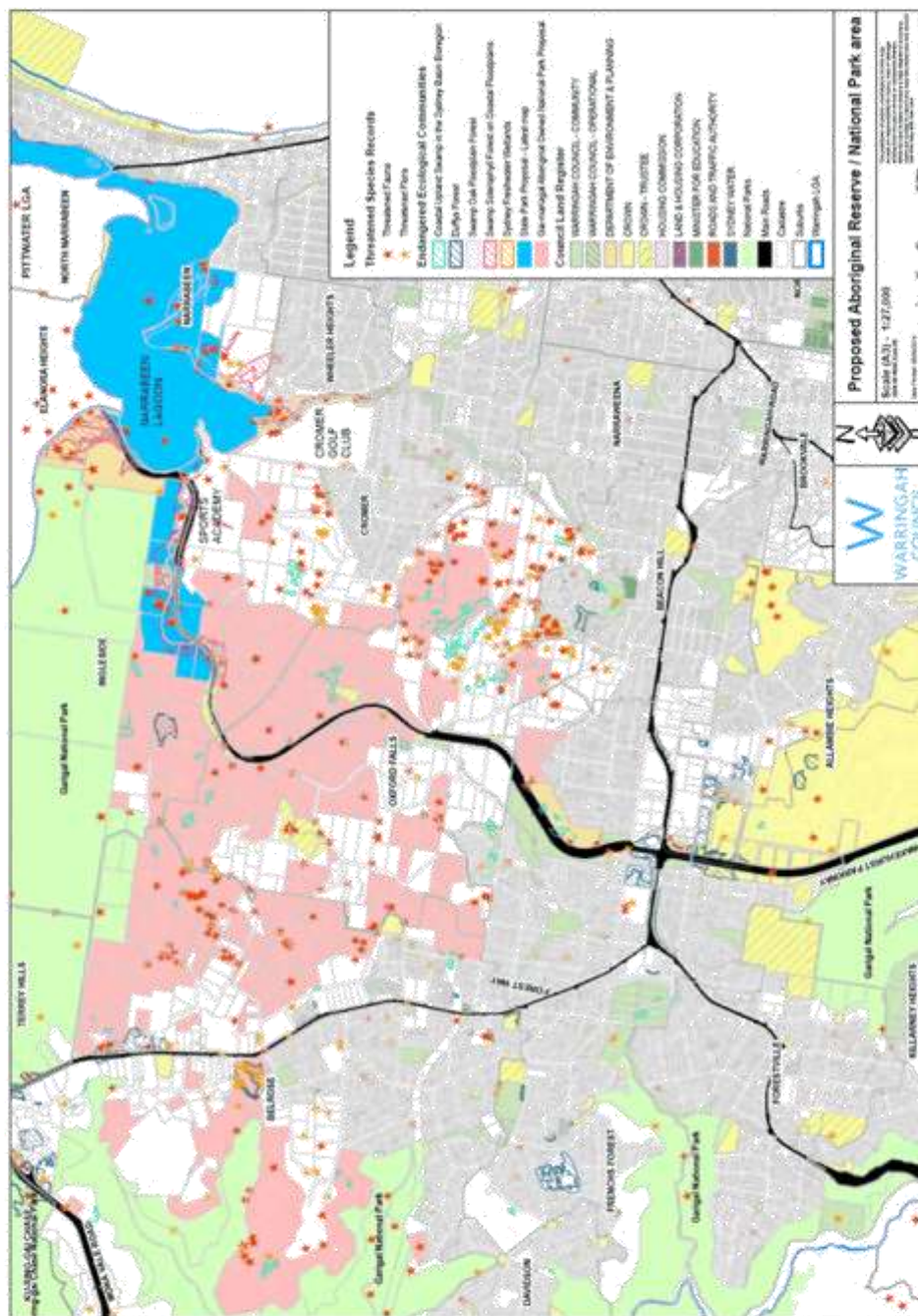


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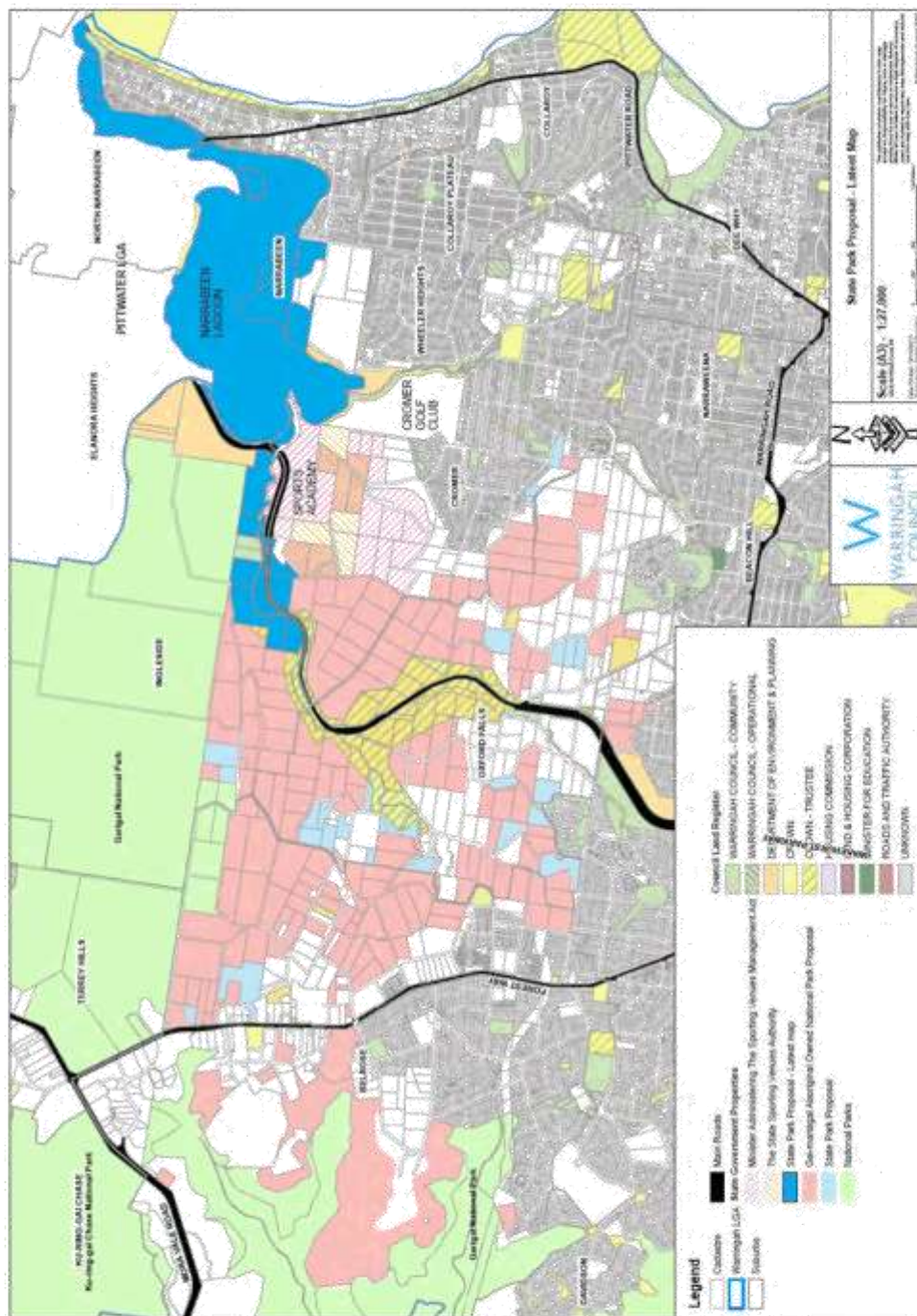
NARRABEEN LAGOON STATE PARK Warringah Biodiversity Conservation Study



NARRABEEN LAGOON STATE PARK
Oxford Falls Valley Threatened Species / EECs

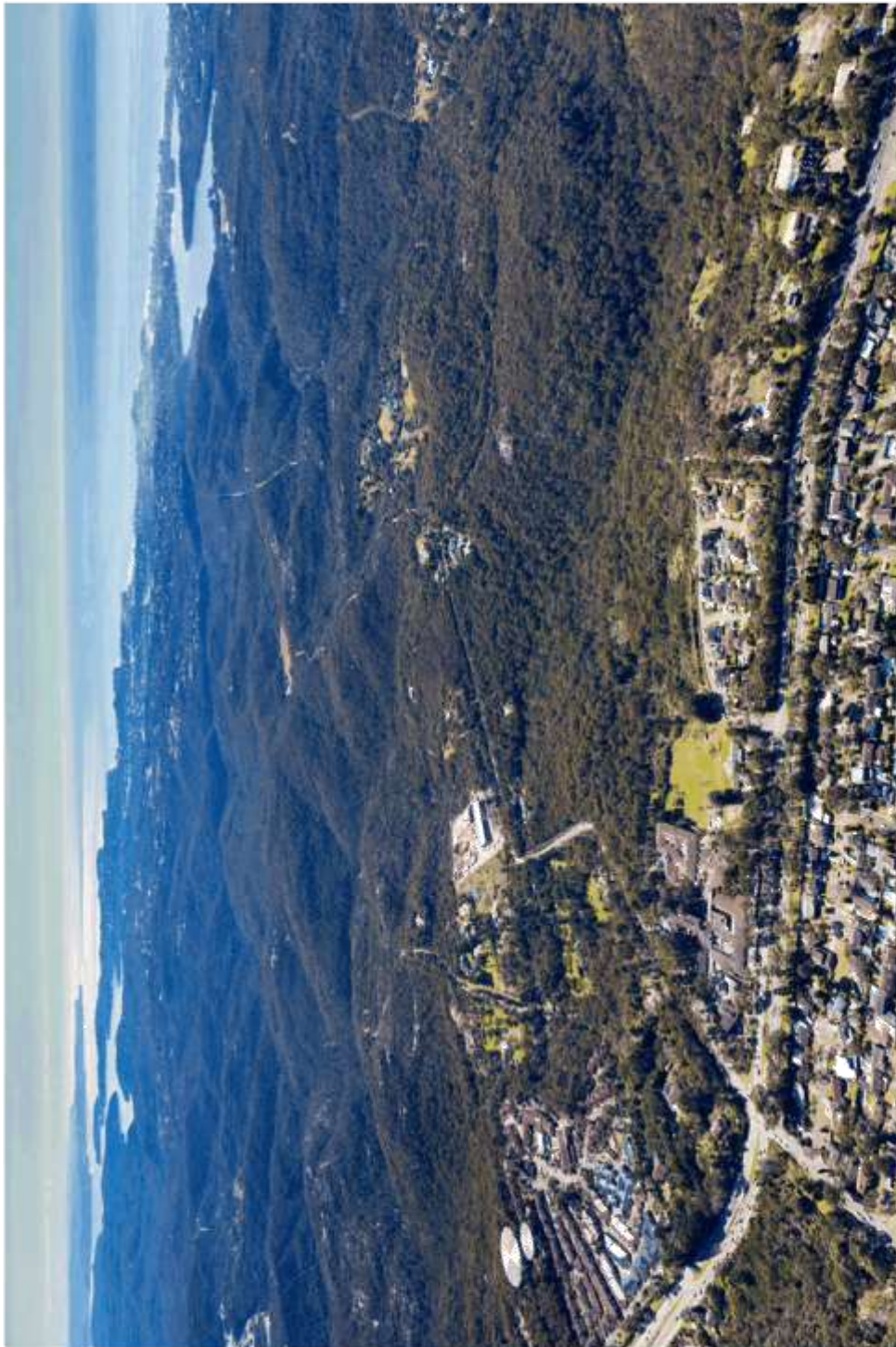


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NARRABEEN LAGOON CATCHMENT



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14

NLSPAC Minutes – Attachment 5

Warringah Council Presentation - Narrabeen Lagoon Multi Use Trail
Update

 WARRINGAH
COUNCIL

Narrabeen Lagoon Trail Update

PRESENTED BY:
Todd Dickinson
Group Manager Natural Environment
28 January, 2015

 WARRINGAH.NSW.GOV.AU

W

South Creek Bridge



W

South Creek Bridge



W

Golf course section



W

Middle Creek Bridge



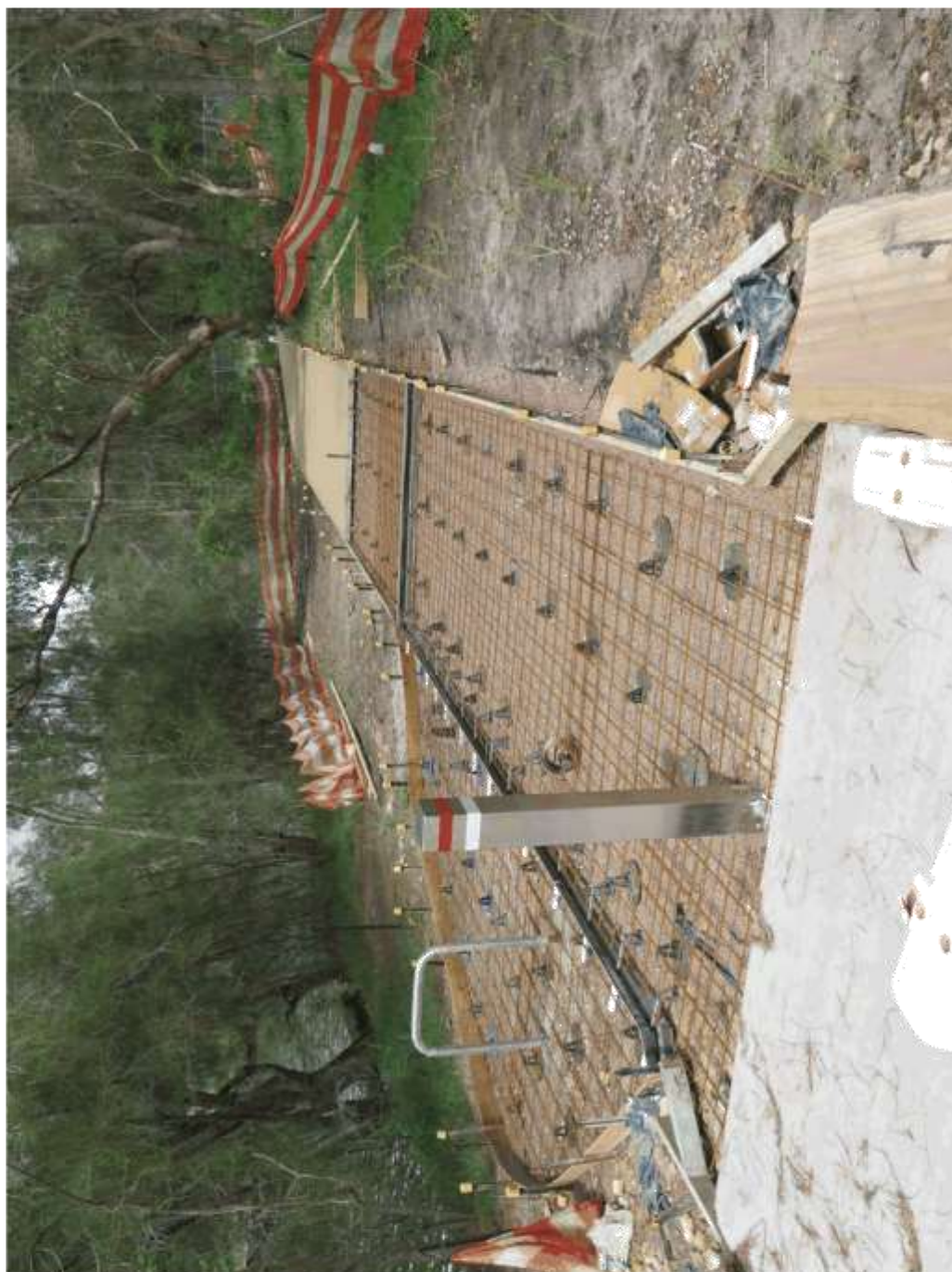
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Middle Creek approach ramps



W

Middle Creek path under construction



W

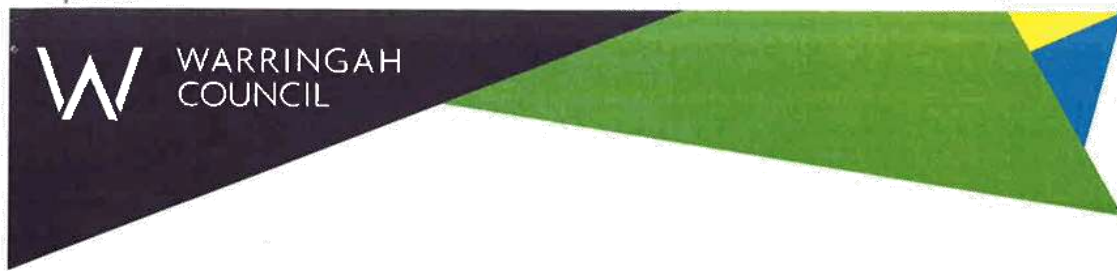
New Boatshed under construction





What's next?

	Timing
Completion of works and defect rectification	2 → 3 weeks
Open trail to the public	Mid February 2015
Official Trail opening event	Late February 2015
Completion of new boatshed	April 2015
Removal of existing boatshed and construction of remaining pathway	June 2015



MINUTES

NARRABEEN LAGOON STATE PARK ADVISORY COMMITTEE

HELD ON WEDNESDAY, 10 JUNE 2015

**TODD DICKINSON
GROUP MANAGER NATURAL ENVIRONMENT**

Voting Members

Warringah Council – Chair	Mayor Michael Regan
Warringah Council GM representative	Mr Todd Dickinson
Recreational Representative	Ms Julie Whitfield
Community Representative	Mr Alan Jones
Metropolitan Local Aboriginal Land Council	Mr Allen Madden
Office of Environment and Heritage – National Parks	Mr Peter Hay
NSW Trade & Investment (Crown Lands)	Mr David Clarke
NSW Department of Primary Industries (Fisheries)	Mr Marcel Green

Officers

Coast & Waterways Manager	Mr Adrian Turnbull
Senior Environment Officer – Lagoons	Ms Jodie Crawford
Administration Coordinator	Ms Denise Regan

**Minutes of the Meeting of the Narrabeen Lagoon State Park Advisory
Committee held on Wednesday, 10 June, 2015 in the Guringai Room, Civic
Centre, Dee Why, commencing at 4:00 pm.**

ACKNOWLEDGEMENT OF COUNTRY

1. ATTENDANCE

- 1.1. Present: Michael Regan (Chair), Todd Dickinson, Julie Whitfield, Alan Jones, David Clarke, Adrian Turnbull, Denise Regan, Jodie Crawford
- 1.2. Apologies: Marcel Green, Peter Hay

2. CONFIRMATION OF MINUTES

- 2.1. The minutes of the meeting held on 28 January, 2015 were confirmed as correct by Alan Jones and Julie Whitfield.

3. MATTERS ARISING FROM PREVIOUS MINUTES

3.1 Terms of Reference

The modifications were noted.

RECOMMENDATION: That the changes be noted.

Moved: Michael Regan / Seconded: Alan Jones

3.2 Funding

The committee were directed to Attachment 1 - Narrabeen Lagoon State Park - Asset Roles and Responsibilities that had been circulated with the agenda. This spreadsheet describes the service Council currently delivers within the State Park, and discussion was held regarding whether the Committee should seek to maintain the status quo, or to increase the levels of service but at what cost. The Committee agreed that the Asset Roles and Responsibilities spreadsheet was accurate, but that the list needed some sense of scale of expenditure.

Council's CFO has advised the Trust could be accounted as a separate entity, which would assist in planning future projects and income.

Mr Clarke provided an explanation of what Crown Lands sought from a Trust, noting that Council should define the current cost per annum of managing the reserves in order for Crown Lands to determine the additional funding required to achieve improvements to service levels in the State Park. Crown Lands seek a baseline of current Council expenditure for the number of hectares the State Park covers.

Expenditure figures from last meeting were reviewed, and the potential costs for additional items were noted. Mr Clarke requested that staff consider adding additional information to existing expenditure spreadsheet, including 5 year plan projections, and bring it back to the next meeting for discussion. It was recommended that opportunities for revenue raising and the current complement of licences and leases with this Park also be included.

ACTION:

- Expand expenditure table to reflect additions as requested **Warringah Council**
- Investigate revenue options and report back to next meeting **Warringah Council**
- David Clarke to give Council information on licence and lease holders. **Crown Lands**

RECOMMENDATION: That the information be received and noted.

Moved: Michael Regan / Seconded: Julie Whitfield

3.3 Plan of Management (PoM)

Presentation by Warringah Council

The Committee were directed to Attachment 2 - Narrabeen Lagoon Plan of Management action audit. It was noted that Council were progressing the actions of the Plan of Management and the Committee were happy with this report.

ACTION: Staff to bring the action audit back to this Committee annually but should flag any issues as they come up. **Warringah Council**

RECOMMENDATION: That the information be received and noted.

Moved: Michael Regan / Seconded: Julie Whitfield

3.4 Waterway Use

Presentation by Warringah Council

Option approved by Council was to install navigational markers in lieu of dredging. Mr Turnbull gave an overview of the planned marker buoy installation around the shallow seagrass area and navigation channel, including what colours would be used and what they mean. He advised that these should be installed by the end of financial year, and that maps and brochures will be provided to user groups explaining the meaning of the navigational markers and their significance. To inform the general community of this initiative signs will be placed on boat ramps and articles will be put in Manly Daily.

It should also be noted that grant applications have been unsuccessful, and that Council will fund the installation costs.

The Committee congratulated staff on this initiative.

RECOMMENDATION: That the information be received and noted.

Moved: Michael Regan / Seconded: Julie Whitfield

3.5 State Park Boundaries

Presentation by Warringah Council

The Narrabeen Lagoon State Park - Land parcel consideration matrix was reviewed.

Mr Clarke requested changing the weightings of ownership / management, and suggested when grading land owners Warringah Council and Crown Lands be graded a 10, and where land is owned by other government agencies or other entities staff needed to look at 6 or 8 rating depending on who that may be.

The Committee endorsed the matrix subject to consideration of amending the weightings based on land ownership. It was agreed that staff would adjust the weightings as discussed, and run the matrix for public land parcels surrounding the lagoon. The draft matrix has been amended as discussed and the worked examples are included as Attachment 3.

Result from the full land parcel review will be "clustered" into similar parcel groups, and circulated to the Committee.

ACTION:

- Provide updated map of the State Park **Crown Lands**
- Review weightings on ownership and provide update **Warringah Council**

RECOMMENDATION: That the information be received and noted.

Moved: Julie Whitfield / Seconded: David Clarke

3.6 Alleged Unauthorised Developments
Presentation by Warringah Council

Development around the edge of the Lagoon was reviewed. It was noted that a number of land owners had extended their property onto Crown Land fringing Narrabeen Lagoon, as well as the existence of a number of discrete parcels of Crown Land that are effectively treated as private property. The question was raised as to what action could be taken and a number of options were discussed.

It was agreed that the Committee would like public access around the lagoon but recognise the difficulties in obtaining this. The Committee sought advice on where to from here and it was suggested that public access should be the first priority, but if this was not possible then Crown Lands should consider mechanisms to authorise the use of the land in question.

ACTION:

- David Clarke to investigate licences for the jetties built into Narrabeen Lagoon, and also reasons for the anomalies of land use. **Crown Lands**
- Council staff to further investigate the land parcels.....**Warringah Council**

RECOMMENDATION: That this matter be deferred until further advice received.

Moved: Julie Whitfield / Seconded: Alan Jones

3.7 Leases and Licences

It was noted that discussions between Crown Lands and Council had taken place prior to this Committee meeting. The Committee was advised that under the upcoming amendments to Crown Lands Act, Council will be able to manage Licences and Leases, and that more information will be available over the coming months.

RECOMMENDATION: That this information be noted.

Moved: Michael Regan / Seconded: Alan Jones

4. GENERAL BUSINESS

5. NEXT MEETING

To be determined

There being no further business the meeting ended at 5:30 pm

ATTACHMENT 1 – NARRABEEN LAGOON STATE PARK – ASSET ROLES & RESPONSIBILITIES

Asset Type	Sub-Category Description of Asset	Activity	Maintenance	Cleaning	Responsibility
Parks	1 Sporting Clubhouses, Amenities & Storage Sheds within parks	✓	✓	✓	✓
	2 All trees on park sites (Exc. Threatened Species)	✓	✓	✓	✓
	3 Under-storey and gardens within parks	✓	✓	✓	✓
	4 Street Trees	✓	✓	✓	✓
	5 All native vegetation (not currently mapped as native vegetation) within parks	✓	✓	✓	✓
	6 All native vegetation (mapped as 'natural area' asset polygon) within parks as well as any	✓	✓	✓	✓
	7 General carparks servicing a building or structures (eg Play equipment, dog free beach areas)	✓	✓	✓	✓
	8 Directional / Information signage within Parks	✓	✓	✓	✓
	9 All other general footpaths within parks including footpath to playground (sealed only)	✓	✓	✓	✓
	10 Grass road verges adjacent to Parks	✓	✓	✓	✓
	11 BBQ's within Parks	✓	✓	✓	✓
	12 Local drainage infrastructure that originates in playing fields and/or within parks (under 375mm)	✓	✓	✓	✓
	13 Public Right of Way (Pathways)	✓	✓	✓	✓
	14 Public Right of Way (Vegetation)	✓	✓	✓	✓
	15 Car Park Lighting	✓	✓	✓	✓
	16 Bins - General waste bins	✓	✓	✓	✓
	17 Park entry, identification and directional signage	✓	✓	✓	✓
	18 Regulatory signage for park, playground etc	✓	✓	✓	✓
	19 Regulatory carpark signage & Pay/Display Machines	✓	✓	✓	✓
	20 Signage in Alcohol Prohibited Areas (APAs), APAs are located in public parks, reserves and	✓	✓	✓	✓
	21 Playing Fields - Turf	✓	✓	✓	✓
	22 Main Switch Boards - Servicing Community Centres	✓	✓	✓	✓
	23 Main Switch Boards - Servicing Sporting Facilities	✓	✓	✓	✓
	24 Bollards within Parks	✓	✓	✓	✓
	25 Significant Recreation Trail through Natural Areas, significant built trails	✓	✓	✓	✓
	26 Fencing - Park boundaries (including on car park perimeter)	✓	✓	✓	✓
	27 Milibus trail serving natural areas NEU	✓	✓	✓	✓
	28 Car Parks - Pedestrian Lighting - Council supply - Reserve	✓	✓	✓	✓
	29 Pedestrian Bridges in Parks (other structures)	✓	✓	✓	✓
Roads	1 Pavement and Sub grade	✓	✓	✓	✓
	2 Footpath	✓	✓	✓	✓
	3 Kerb and Gutter	✓	✓	✓	✓
	4 Mature Strip / Grass Verges	✓	✓	✓	✓
	5 Vegetation Management	✓	✓	✓	✓
	6 Vegetation in Road Shoulder	✓	✓	✓	✓
	7 Stormwater drainage damage to infrastructure	✓	✓	✓	✓
	8 Stormwater Blockage	✓	✓	✓	✓
	9 Regulatory Signs and Lines	✓	✓	✓	✓
	10 Lighting (Council Owned)	✓	✓	✓	✓
	11 Shared Path or Bike Path / Road Reserve	✓	✓	✓	✓
	12 Bridge in a Park or Reserve	✓	✓	✓	✓
	13 Retaining Walls on Road Reserves	✓	✓	✓	✓
Stormwater	1 Clean and maintain GPT's to schedule which includes 100 sites and a range of frequencies from	✓	✓	✓	✓
	2 Inspect known drainage pits likely to block and cause flooding on a regular basis	✓	✓	✓	✓
	3 Fencing around drainage assets (GPT's, headwalls, pits)	✓	✓	✓	✓
	4 Stormwater pipes / Culverts (excluding - subsoil or roof water drainage and local drainage	✓	✓	✓	✓
	5 Open Stormwater Channels	✓	✓	✓	✓
	6 Flood/Stormwater Detention Basins	✓	✓	✓	✓
	7 Stormwater Pits (excluding local surface drainage pits installed by parks)	✓	✓	✓	✓
	8 Water Quality Devices	✓	✓	✓	✓
	9 Headwalls	✓	✓	✓	✓
Buildings	1 Under-storey and gardens (Landscaping)	✓	✓	✓	✓
	2 Leased/licensed buildings eg sporting clubhouses / amenities	✓	✓	✓	✓
	3 Public Toilet on reserve	✓	✓	✓	✓
	4 Footpath leading to Building Entry	✓	✓	✓	✓
	5 Paving / hard surfaces around Buildings	✓	✓	✓	✓
	6 Landscaping surrounding Buildings	✓	✓	✓	✓
	7 Car Parks - Pedestrian Lighting - Council supply - Reserve	✓	✓	✓	✓
	8 Car Parks - Pedestrian Lighting - Council supply - Facility	✓	✓	✓	✓

Extension of State Park Management Actions

Example	Action
	Signage
	Interpretive/Education
	Promotions
	Marketing materials
	Advertising/Media
	Leases/licences
	Administration
	Application/Administration/Reporting
	Compliance
	Activities
	Weed removal
	Bush regeneration
	Invasive species control
	Fencing
	Signage
	Hazards - eg. Bushfire
	Potential contamination
	Compliance
	Boat ramps
	Pontoons
	Lagoon bed modification
	Buildings/structures
	Retailing (see walls)
	Car parking
	Trails
	Facilities
	Capital investment

Asset Type	Sub-Category Description of Asset	Activity	Maintenance	Cleaning
	9. Existing fences surrounding Building	✓	✓	✓
	1. Fencing for the protection of natural areas	✓	✓	✓
	2. Unauthorised bush tracks for basic access	✓	✓	✓
	3. Paths/bike tracks/recreation facilities purpose built for recreation access on that site	✓	✓	✓
	4. Tracks/paths built as part of a track/trail network	✓	✓	✓
	5. Native vegetation (mapped as "natural area" asset polygon), threatened species, EECs	✓	✓	✓
	6. Showers/toilets/water refills/toilets	✓	✓	✓
	7. Cleaning of litter etc from reserves	✓	✓	✓
	8. Management of dunes for coastal protection	✓	✓	✓
	9. Seating/picnic tables/tables for recreational/experimental	✓	✓	✓
	10. Rock shelves/platforms etc	✓	✓	✓
	11. Aboriginal heritage items in natural areas	✓	✓	✓
	12. Sewers for protection of Council/Crown assets	✓	✓	✓
	13. Replenishment/hourly maintenance/cracking to restore eroded beaches	✓	✓	✓
	14. Beach access points ensuring safety, barricades, repairs	✓	✓	✓
	15. Cleaning seaweed, dead fauna	✓	✓	✓
	16. Creek banks Geotechnical stability of creek banks	✓	✓	✓
	17. Creeks, Lagoons & Wetlands Cleaning of litter and debris within reach	✓	✓	✓
	18. Cleaning of litter and debris out of reach	✓	✓	✓
	19. Recreational assets (creation/maintenance)	✓	✓	✓
	20. Lagoon entrances Emergency openings	✓	✓	✓
	21. Multiple Trail/significant trails built by NEU (exception of Narrabeen Trail - maintained by PRF)	✓	✓	✓
	22. Fencing (headwells, other drainage structures, natural areas)	✓	✓	✓

ATTACHMENT 2 – NARRABEEN LAGOON PLAN OF MANAGEMENT ACTION AUDIT

1.1 Management Action Plan

Table 1 Management Strategy for Narrabeen Lagoon

Value ¹	Strategy ²	Item ID	Action ³	Performance Target ⁴	Priority	Performance Measure ⁵	Progress	Comment
Objective: To establish water quality outcomes suitable for protection of the natural environment and for public recreation;								
Natural Environment (Aquatic Habitat)	Water quality management	EP1	Investigate current litter management to determine effectiveness. Investigate public education/enforcement campaigns to reduce littering. Work with adjacent landowners and Council to maintain or improve litter management systems and procedures wherever possible.	To reduce litter entering the lagoon.	High	Reduction of litter reaching the lagoon, (Potential for measurement by GPT clean out rates).	Ongoing	Weekly litter picks at Jamieson Park, Berry Reserve, Middle Creek and Wheeler Park. Regular whole pathway inspections. Reactive clean-ups after reports of litter or dumping. Recycling and Garbage bins emptied daily. Education signage on bins.
		EP2	Where necessary, investigate causes and ecological impacts of poor water quality. Work with adjacent land owners, Reserve Trusts, OEH, Sydney Water and Pitwater Council to minimise poor quality runoff discharging into the lagoon.	Maintain or improve water quality entering the lagoon by addressing issues of concern as identified especially with consideration of aquatic ecosystems.	High	Lagoon water quality is maintained or improved (e.g. Beachwatch data).	Ongoing	Maintaining relationships with OEH, Sydney Water etc. Lagoon water quality monitoring being implemented including wet weather data. Warringah Compliance program e.g. erosion and sediment controls.
		EP3	Work with catchment managers to investigate level and cause of sedimentation in the lagoon and tributaries, address identified issues with landholders and residents within the catchment. Implement Northern Beaches Stormwater Management Plan as appropriate.	Prevent increased rates of sedimentation above natural levels.	Medium	Assess and report any known changes in quality and rate of sedimentation.	Ongoing	Stormwater Asset Management Plan (SWAMP) nearing completion. Audit being undertaken of GPT's. Warringah Compliance program e.g. erosion and sediment controls. Lagoon and Creek water quality monitoring being implemented. Benefit maps are being undertaken to identify sources and hotspots within the catchment.
Objective: To maintain and enhance the Natural Environment								
Natural Environment (Aquatic Habitat)	Protection of aquatic habitat and fauna	EP4	Ensure satisfactory environmental assessments are undertaken for works and activities proposed within the bed of the lagoon. Such activities will only proceed if the negative impact on the environment is minimal or avoided and/or appropriate mitigation and offset measures are implemented.	Prevent negative impacts to the aquatic habitat resulting from works and activities.	Ongoing	Satisfactory environmental assessments are completed as required for works and activities within the bed of the lagoon. Mitigation and offset measures are implemented as appropriate.	Ongoing	Example - Review of Environmental Factors and appropriate permits undertaken for Boat Shed at Sports Academy. Investigation into recreational dredging reported to Council. Investigation of Marker Buoys around key seagrass beds
	Understanding of Key Aquatic Habitat	EP5	Monitor and gather relevant information as it becomes available on the condition of key aquatic habitat to understand the status and condition of the lagoon as key fish habitat.	Maintain and enhance aquatic habitat including key fish habitat such as	Ongoing	Information is gathered from any monitoring or data collection and reported in Annual	Ongoing	Seagrass mapped on Council geographical information system (GIS). SCMA Native Vegetation is mapped on Council's GIS (includes saltmarsh, fringing reed land and mangroves). Lagoon water quality monitoring, bathymetry, investigation of

¹ Value: Identified as an important aspect of Narrabeen Lagoon, by the community, Council, DPI or SMEC.

² Strategy: A plan to manage one of the values identified for Narrabeen Lagoon.

³ Objective: The purpose of goal of the management of Narrabeen Lagoon.

⁴ Performance Target: The ideal outcome of the action.

⁵ Performance Measure: How the action will be measured against a performance target.

Value ¹	Strategy ²	Item ID	Action ³	Performance Target ⁴	Priority	Performance Measure ⁵	Progress	Comment
			Provide information to Council for use in determining DAs and other proposed activities.	seagrass and saltmarsh within the lagoon.		Report.		Marker Buoys around key seagrass beds
	Protection of sea grass beds and saltmarsh EEC	EP6	In consultation with relevant agencies, investigate current methods and best practice for the long term sustainability of seagrass beds and coastal saltmarsh. Operational sub plan to include saltmarsh and sea grass protection.	Reduction in the loss, or preferably an increase of estuarine vegetation of Narrabeen Lagoon, especially seagrass beds and saltmarsh, outside of natural variation.	Ongoing	Assessment of extent, quality and biodiversity within sea grass beds and coastal saltmarsh.	Ongoing	Recreation dredging investigations for Stage 2 feasibility looked at seagrass and saltmarsh extents (Cardno Seagrass survey and SCMA Native Vegetation are layers on SEA) and the financial implication of removing. Study looked at species and recolonisation rates and opportunities, investigation of Marker Buoys around key seagrass beds
	Maintain or improve depth of water in the lagoon for its environmental values	EP7	Where appropriate, change the water depth (e.g. by infilling or other method) in some areas of the lagoon's central or western sections to improve its environmental and habitat values.	Water depth appropriate for improved habitat value.	High	Assessment of biodiversity within affected areas.		Dredging has been investigated and council has voted to install marker buoys initially to aid in navigation.
Objective: To promote and enhance unique environmental and amenity values of the lagoon								
Natural Environment (Aquatic Habitat and Terrestrial Habitat)	Lagoon as educational resource	EP8	Promote use of lagoon for educational purposes. Support community groups (especially schools) and other stakeholders in studying and learning about the lagoons environment. Link to existing programs with educational facilities.	Use of lagoon by groups for educational promotions and training including TAFE and research by universities and other interest groups. Programs established with educational facilities.	Medium	Improved understanding and appreciation of the environmental, social and recreational values of the lagoon.	Ongoing	Partnerships developed with universities for water quality monitoring. Benefit mapping of the Narrabeen Lagoon Catchment is being undertaken by OEH to identify hot spots and priority areas for management. Maps for education purposes will be produced as part of this project. Education of lagoon environment promoted through events such as Brookvale Show, Hilltop to Headland, Warringah Environmental Events and school visits.
		EP9	In conjunction with appropriate stakeholders, promote and manage effective improvements in protecting the environment of the lagoon and the catchment by all residents, volunteers and other interested groups. Development and distribution of appropriate media, including liaising with community groups.	Stakeholders and the community are active participants in protecting the environment of the lagoon.	Medium	Improved understanding and appreciation of the environmental, social and recreational values of the lagoon. Report progress in Annual Report.	Ongoing	Bushcare groups are active in the catchment. Council supports and liaises with various committees, sports groups, community groups, and environmental groups. Annual Lagoon Health Report card is distributed at events and is available on Council's website. Benefit mapping of the Narrabeen Lagoon Catchment is being undertaken by OEH to identify hot spots and priority areas for management. Maps for education purposes will be produced as part of this project.
	Protect and enhance heritage values	EP10	Manage heritage items in accordance with heritage listing under relevant legislation and policies.	Heritage items are maintained and preserved.	Ongoing	Preservation (no impact) of heritage items in the vicinity of the study area as a result of activities on the lagoon.	Ongoing	Strategic Land Use Planning and Aboriginal Officer assess heritage items as appropriate. Culturally significant sites are noted on Narrabeen Trail brochures and maps
Objective: Coastal Environmental Protection								
Natural Environment (Terrestrial Habitat)	Protection of terrestrial vegetation within the Plan area	EP11	Investigate condition and confirm classification of terrestrial vegetation within the Plan area (including island and foreshore vegetation) including endangered ecological communities (Saltmarsh and Swamp Oak)	Classification and condition of EEC's within the Plan area are confirmed. Identified areas of	Medium	Areas and condition of EEC are assessed and recorded.	Ongoing	Vegetation Survey undertaken in 2010, Warringah Biodiversity Conservation Study, SMCMA vegetation and classification including aquatic and terrestrial vegetation types.

Value ¹	Strategy ²	Item ID	Action ³	Performance Target ⁴	Priority	Performance Measure ⁵	Progress	Comment	
Natural Environment (Aquatic and Terrestrial Habitat)	Protection of study area from over development subsequently reducing impacts to the lagoon		Floodplain Forest). If appropriate undertake regeneration. Work with Councils, Friends of the Bush and other groups for rehabilitation works required.	EEC are maintained and improved.				Bushcare groups and Council contractors are active in the catchment.	
		EP12	Promote appropriate development and planning controls through liaison with adjacent land managers that ensures impacts on the environmental values of the lagoon are avoided or minimised.	Impacts to the natural environment of Narrabeen Lagoon from development are avoided or minimised through local development and planning controls.	Ongoing	Approved development in the catchment does not impact on the reserved purpose of Narrabeen Lagoon (public recreation and coastal environmental protection).	Ongoing	Warringah has a new LEP and DCP as of 2011. Warringah has a Protection of Waterways and Riparian Land Policy (2010) and DCP (2011) that delineates setbacks for development. The draft Water Management Policy addresses water quality for all new development. Deferred Land Issue (Oxford Falls Valley & Belrose) is being addressed by Strategic Planning.	
		Objective: Sustainable, diverse and appropriate use of the area for recreation							
	Recreation	Sustainable public recreation	PR1	Work with Warringah Council and relevant stakeholders to facilitate holistic approach to management of public recreation on the lagoon while allowing use and enjoyment of the lagoon while avoiding/minimising environmental impacts. Specific management model for Narrabeen Lagoon to be developed as part of Warringah Council Recreation Strategy 2009 (Action 20).	Sustainable public recreation on the lagoon.	High	Implementation of this model by Warringah Council by the end of 2013. Reserve Trust Manager to document progress in annual report.	Ongoing	On-Water Recreation Usage surveys have been undertaken. Dredging has been investigated and Council has resolved to initially install marker buoys to aid in navigation. Specific management model for Narrabeen Lagoon as part of Warringah Council Recreation Strategy 2009 not commenced.
			PR2	Work with NSW Maritime to enforce restrictions on boating where safety and/or environmental issues need to be managed including increased surveillance and enforcement (if agreed upon all parties). Regular liaison between Reserve Trust Manager, NSW Maritime, DPI and Pittwater Council.	Safety and/or environmental issues relating to boating are avoided or minimised.	High	Reduction in number of incidents reported in the NSW Maritime annual report.	Ongoing	8 knot limit buoys have been installed in the lagoon. Shore based signage has been removed due to vandalism. RMS (Maritime) are understaffed and have had major staff cuts in the last few years. It can take up to four hours to respond to an incident on Narrabeen Lagoon if the officer is at Pittwater. Staff are in regular contact with the area's Boating Safety Officer.
PR3			Investigate use of watercraft during peak periods and determine appropriate measures to adequately manage use of water craft.	Appropriate use of watercraft within the lagoon.	Medium	Appropriate rules in place for watercraft management, and adherence to these rules.	Ongoing	This is a joint Council and RMS (Maritime) responsibility. Council has undertaken On-Water Recreation Usage surveys (2013). Licensing for businesses and clubs is centralised with Parks Reserves and Forests. 8 knot buoys are in place. Congestion is experienced at Jamieson Park on weekends. Parking is considered a limiting factor.	
	Water quality appropriate for swimming	PR4	Utilise existing water quality data from Beachwatch and Sydney Water and investigate adequacy of knowledge of current water quality within the lagoon. Obtain appropriate level of data on water quality for swimming.	Water quality in the lagoon appropriate for swimming.	High	Facilitate public access to water quality data.	Ongoing	Council publishes the Lagoon Ecological Health Report Card which is available on Council's website and distributed at environmental events. There are links to, and promotion of, Beachwatch website for recreational water quality. Beachwatch are continuing to monitor Birdwood Park, and have started monitoring at Blarney reserve. Council water quality monitoring program in the lagoon and catchment show higher bacteria levels in the upper catchments, suggesting they may be diluted in the lagoon. Signs have been installed at reserves to ask the public to consider variable water quality after rain.	
	Maintain or improve depth of water in the lagoon for	PR5	Where appropriate, change the water depth (e.g. by dredging or other method) in some areas of the lagoon's central or western sections to	Water depth is appropriate for recreation without	High	Bed of lagoon is at an appropriate level for sustainable recreational		Community consultation and feasibility study were undertaken to determine level of community support and potential environmental impacts. Four dredge scenarios were provided to Council to	

Value ¹	Strategy ²	Item ID	Action ³	Performance Target ⁴	Priority	Performance Measure ⁵	Progress	Comment
	recreational access without compromising its environmental values		improve recreational access without significantly affecting its environmental values.	significantly affecting the environmental values of the lagoon.		access and environmental values are not compromised.		consider in 2014, Council resolved to first implement the 'non-bridge option' which included installing marker buoys in the lagoon to aid in navigation.
	Appropriate and well maintained facilities to support recreation and maintain and improve safety for users	PR6	Maintain and upgrade appropriate facilities such as car parks, boat ramps and wash down areas. Work with adjacent land holders in undertaking these works.	Appropriate and accessible facilities are provided to maintain sustainable recreation on the lagoon.	Ongoing	Appropriate facilities are provided. Document maintenance of and provision of new facilities.	Ongoing	Natural Environment, Roads Traffic and Waste, Buildings Property and Spatial Information, and Parks Reserves and Foreshores maintain and improve facilities on an ongoing basis. Customer requests are attended to where funding and priorities allow. Construction of the Narrabeen Lagoon Trail is complete.
	Protection of amenity	PR 7	Include protection of amenity and peace of area as important consideration during implementation of all other management strategies. Specific management model for Narrabeen Lagoon (see PR1) to consider impacts of recreation on amenity and peace of area.	Maintain or improve amenity and peace of the area for all users.	Ongoing	Implementation of the management model by Warringah Council by the end of 2013. The amenity and peace of the area are maintained and not impacted.	Ongoing	On-Water Recreation Usage surveys have been undertaken showing amenity use of the lagoon. When considering licence applications amenity and peace of the area is considered. Eg water parks and floating restaurants have not been granted. Specific management model for Narrabeen Lagoon as part of Warringah Council Recreation Strategy 2009 not commenced.
	Public education	PR 8	Work with stakeholders to educate the community on the sustainable use of the lagoon (e.g. fishing size limits and appropriate disposal of litter). Resources are made available to the community, relating to the sustainable use of the lagoon. DPI to enforce license permits and fish catch size limits). Increased presence and enforcement by DPI as appropriate.	Sustainable use of the lagoon by the community.	Ongoing	Improved community perceptions of the lagoon, and improved environmental indicators.	Ongoing	Interpretive signs as part of the Narrabeen Lagoon Trail circumnavigate the lagoon. Education of lagoon environment promoted through events such as Brookvale Show, Hilltop to Headland and school visits. Council publishes the Lagoon Ecological Health Report Card which is available on Council's website and distributed at environmental events. Benefit mapping of the Narrabeen Lagoon Catchment is being undertaken by OEH to identify hot spots and priority areas for management. Maps for education purposes will be produced as part of this project. Weekly litter picks at Jamieson Park, Berry Reserve, Middle Creek and Wheeler Park. Regular whole walkway inspections. Reactive clean-ups after reports of litter or dumping. Recycling and Garbage bins emptied daily. Education signage on bins. Staff are in regular contact with the DPI – Fisheries Officer.
Objective: To manage potential impacts of flooding on commercial and residential properties as identified in an adopted Flood Risk Management Plan								
Flood Mitigation	Flood mitigation for protection of homes and businesses in surrounding areas	PR9	Use data and recommendations from adopted Floodplain Risk Management Plans for Narrabeen Lagoon to manage flood risk. Review actions of this Plan upon reviews of the Narrabeen Lagoon Flood Study, Flood Risk Management Strategy and Flood Risk Management Plan. Update where appropriate in response to findings of the study.	Flood risk managed appropriately.	High	Implementation of adopted Floodplain Risk Management Plans for Narrabeen Lagoon and report on flood information in annual reports.	Ongoing	Narrabeen Lagoon Flood Study updated in 2013. Floodplain Risk Management Study and Plan are underway.
		PR10	Assess entrance management regimes in conjunction with Warringah and Pittwater Councils and the community to ensure the most efficient and effective management of this area is maintained. Undertake review of effectiveness and impacts of entrance	Appropriate entrance management regimes are implemented.	Ongoing	Appropriate review of entrance management procedures is undertaken and the most efficient and effective management of this area is implemented.	Ongoing	This is being undertaken through the Floodplain Risk Management Study and Plan.

Value ¹	Strategy ²	Item ID ³	Action ⁴	Performance Target ⁵	Priority	Performance Measure ⁶	Progress	Comment
			management procedures is undertaken, in consultation with Warringah and Pittwater Councils and the community.			Report on the activities, assessments and reviews undertaken.		
		PR11	Management of flood risk to commercial operations and private property including provision of flood risk information to prospective commercial operators and the public and set plans in place.	Appropriate management of flood risk to commercial operations and private property.	Ongoing	Production of and reporting on of flood awareness and planning material.	Ongoing	Community consultation and education completed as part of the Narrabeen Lagoon Flood Study 2013. Further consultation will be undertaken for the development of the Floodplain Risk Management Study and Plan.
Objective: Effective administration for implementing strategies								
All	Annual reporting	Admin 1	Annual report prepared for Narrabeen Lagoon and submitted to DPI. Report to be publicly available on Warringah Council website.	Prepare and make public a Trust report for Narrabeen Lagoon on an annual basis.	Ongoing	Annual report meets statutory requirements and provides information to DPI, stakeholders and the community	Underway	Production of annual Lagoon Health Report card, updating of POM action table, produce the annual Crown Return report
	Appropriately gazetted purpose	Admin 2	All areas of the lagoon to include Coastal Environmental Protection as a reserve purpose under the CL Act.	Purpose of Narrabeen Lagoon reflects current value of Crown Reserve land by stakeholders.	High	Public purpose of dedications amended to include 'Coastal Environmental Protection'.		Narrabeen Lagoon State Park was gazetted in 2014
	Integrated management of local Crown reserves	Admin 3	Investigate the merits of the amalgamation of Narrabeen Lagoon and one or more areas or surrounding Crown land reserves into a State Park.	Optimal management of Narrabeen Lagoon and other Crown lands in the catchment.	Medium	Investigation into the merits of State Park is undertaken. Annual report to include a section on the status of this investigation.	Ongoing	Narrabeen Lagoon State Park gazetted in 2014, investigation of additional parcels for inclusion ongoing
	Approval of leases and licenses by Reserve Trust Manager	Admin 4	Investigate if it would be beneficial for the management of Narrabeen Lagoon for the Reserve Trust Manager to be authorised to grant leases and licenses by the Minister administering the CL Act.	Determination and documentation of costs and benefits for Reserve Trust Manager in being able to determine leases/licenses.	Low	Investigation into the management of leases/licenses is undertaken. Annual report to include information on this investigation.	Not yet started – awaiting results of the Crown Lands Management Review	Warringah Council is the Reserve Trust Manager of Narrabeen Lagoon State Park. The Crown Lands Act 1989 enables Crown reserve trusts, with Ministers consent, to enter into leases and licences with third parties to use all or part of a reserve on an ongoing basis. Temporary licences allow the trust to permit short-term (up to one year) and generally low impact activities on the reserve without the Minister's consent, provided they fall within one of the permitted purposes under clause 31 of the Crown Lands Regulation 2006.
	Sustainable Financial Management of Reserve Trust	Admin 5	Develop a financial management model for implementation by the Reserve Trust Manager.	Narrabeen Lagoon is effectively managed by income generated on and by the lagoon and from external sources (including grants).	High	A financial management model is developed and finances are audited under standard Council financial accounting procedures.	Ongoing	Committee formed in 2014, with focus on financial viability of the State Park
	Rationalise reserve boundaries for Narrabeen Lagoon Reserve Trust Management Lands	Admin 6	Investigate undertaking redefinition surveys with respect to boundaries.	Relevant land reserves are rationalised and final title plans are revised and re-registered with the LPI.	High	Lodgement and registration of amended title plans with the LPI.	Ongoing	Liaison with Crown Lands required.

ATTACHMENT 3 – PROPOSED NARRABEEN LAGOON NAVIGATION MARKERS

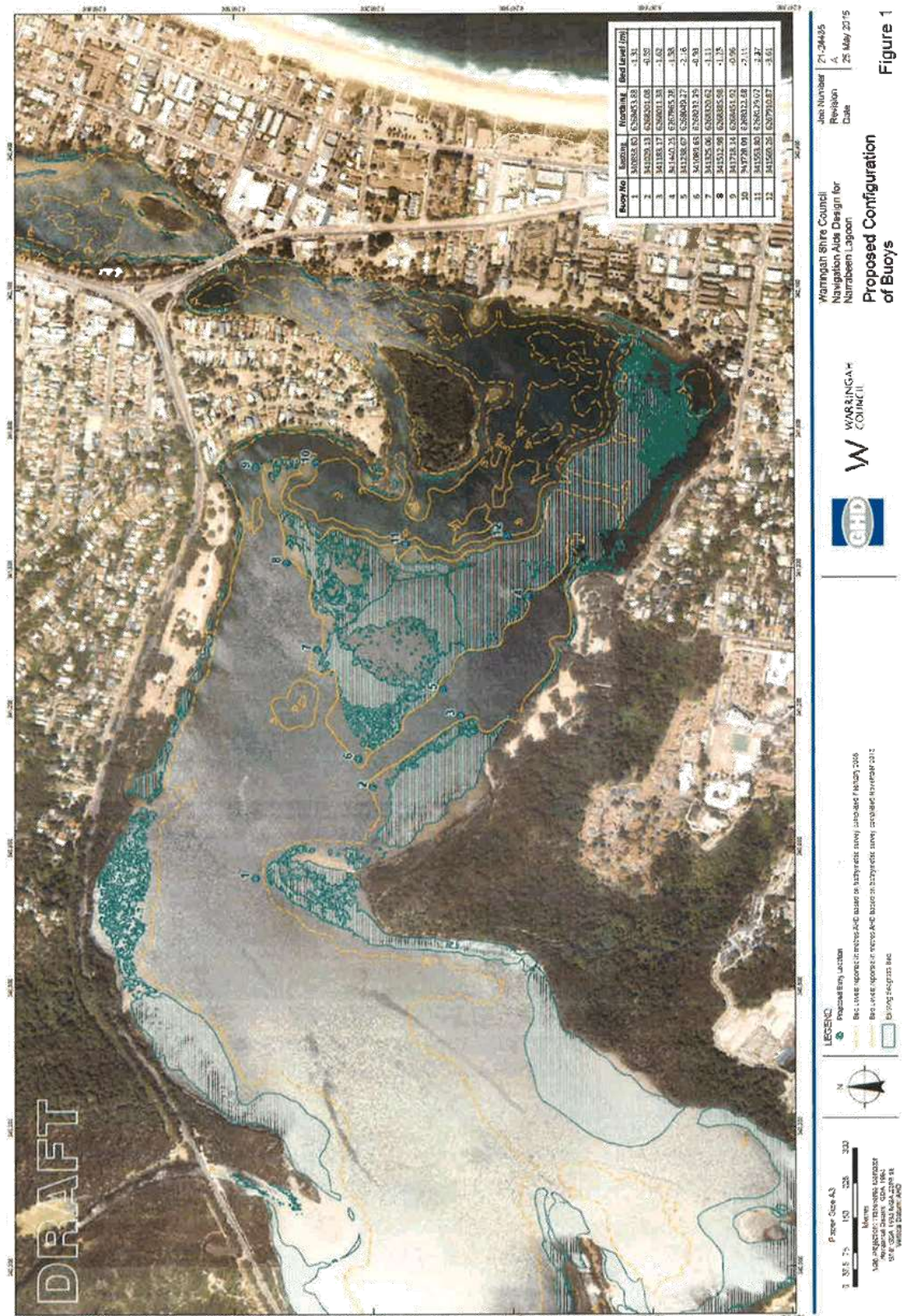




Figure 1


Proposed Configuration of Buoys


**ATTACHMENT 4 – NARRABEEN LAGOON STATE PARK – LAND PARCEL CONSIDERATION
MATRIX**


Narrabeen Lagoon State Park - Land Parcel Consideration Matrix

				Lot 7361 DP 1164008	Score 66
Criteria	Categories	Weighting	Score		
Warringah Biodiversity Consevation Study	Very High	10	10		
	High	8			
	Moderate	6			
	Local	4			
Ownership / Management	Dept of Lands / Warringah Council	10	10		
	Dept of Lands / Cromer Golf Club	10			
	Dept of Lands / Pittwater Council	10			
	Dept of Lands / MLALC claim	10			
	Dept of Environment & Planning / Warringah Council	8			
	Warringah Council	10			
	Pittwater Council	6			
	Metropolitan Local Aboriginal Land Council	6			
	Minister Administering The Sporting Venues Management Act	6			
	The State Sporting Venues Authority	6			
Connectivity	Immediately adjoining	10	10		
	1 parcel removed	8			
	2 parcels removed	6			
	3 parcels removed	4			
	4+ parcels removed	2			
Current use	Unoccupied	10	10		
	Occupied - Licence	6			
	Occupied - Lease	4			
Amenity	High	10	10		
	Medium	7			
	Low	4			
Access	Easy	10	10		
	Moderate	8			
	Difficult	6			
Size	≥ 16 Hectares	10			
	6-15 Hectares	8			
	≤ 5 Hectares	6	6		
Score			66		

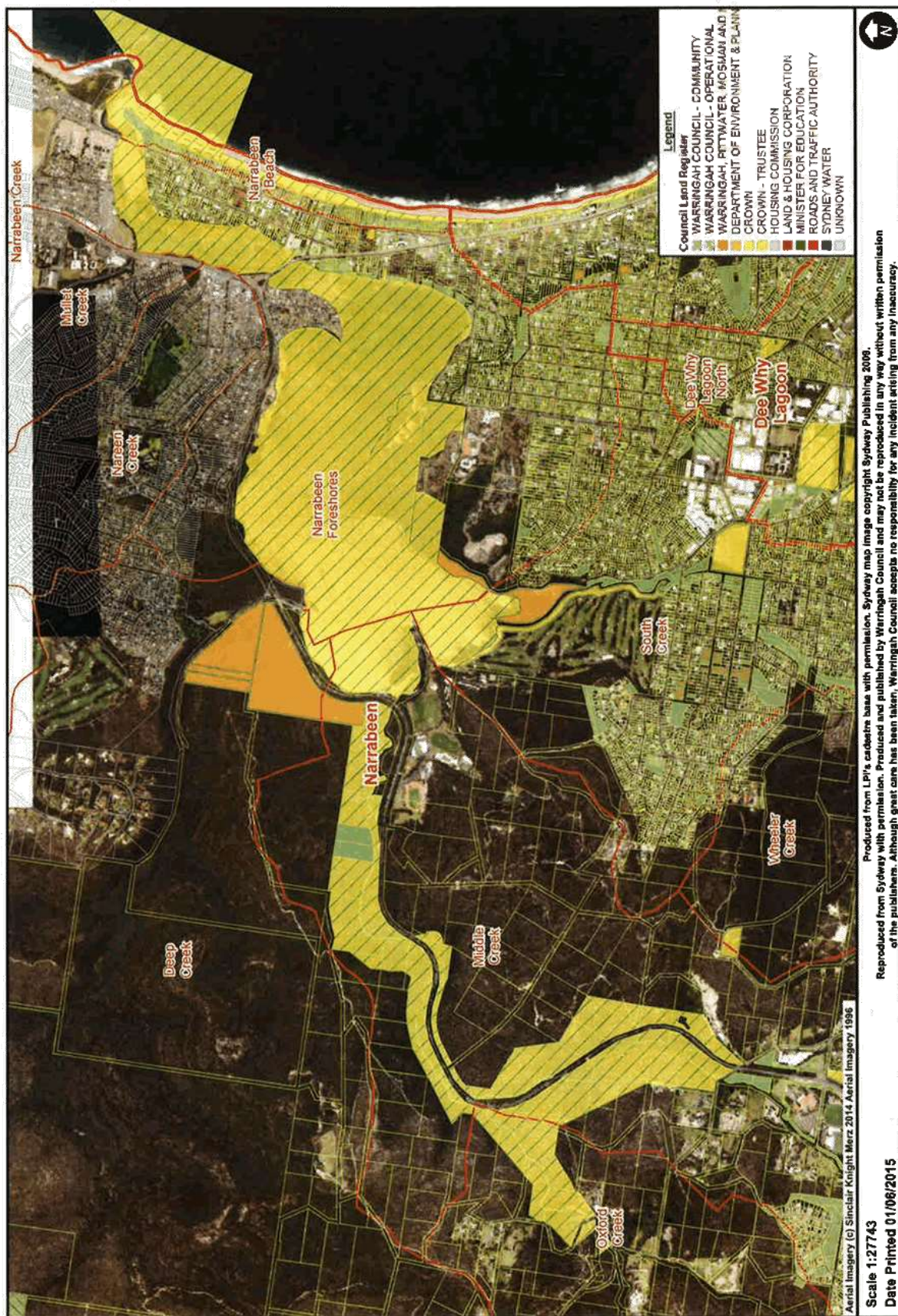
Narrabeen Lagoon State Park - Land Parcel Consideration Matrix			
		Lot 1 DP 225797	Score 68
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	10
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	68

Narrabeen Lagoon State Park - Land Parcel Consideration Matrix			
		Part Lot 885 DP 752038	Score 47
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	6
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	47

Narrabeen Lagoon State Park - Land Parcel Consideration Matrix			
		Lot A DP 354369	Score 58
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	10
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
Connectivity	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
Current use	4+ parcels removed	2	2
	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	58

Narrabeen Lagoon State Park - Land Parcel Consideration Matrix			
		Lot 2 DP 1031932 Score 64	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	8
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	6
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	10
	6-15 Hectares	8	
	≤ 5 Hectares	6	
		Score	64

ATTACHMENT 5 – NARRABEEN LAGOON STATE PARK – ADJACENT LAND OWNERSHIP





MINUTES

NARRABEEN LAGOON STATE PARK ADVISORY COMMITTEE

HELD ON WEDNESDAY, 19 AUGUST 2015

**TODD DICKINSON
GROUP MANAGER NATURAL ENVIRONMENT**

▼
WARRINGAH.NSW.GOV.AU

Voting Members

Warringah Council – Chair	Mayor Michael Regan
Warringah Council GM representative	Mr Todd Dickinson
Recreational Representative	Ms Julie Whitfield
Community Representative	Mr Alan Jones
Metropolitan Local Aboriginal Land Council	Mr Allen Madden
Office of Environment and Heritage – National Parks	Mr Peter Hay
NSW Trade & Investment (Crown Lands)	Mr David Clarke
NSW Department of Primary Industries (Fisheries)	Mr Marcel Green

Officers

Coast & Waterways Manager	Mr Adrian Turnbull
Senior Environment Officer – Lagoons	Ms Jodie Crawford
Senior Environment Officer – Lagoons	Ms Sue Jacobs
Administration Coordinator	Ms Denise Regan

**Minutes of the Meeting of the Narrabeen Lagoon State Park Advisory
Committee held on Wednesday, 19 August, 2015 in the Banksia Room, Civic
Centre, Dee Why, commencing at 4:00 pm.**

ACKNOWLEDGEMENT OF COUNTRY

1. ATTENDANCE

- 1.1. Present: Michael Regan (Chair), Todd Dickinson, Julie Whitfield, Alan Jones, David Clarke, Marcel Green, Peter Hay, Adrian Turnbull, Denise Regan, Jodie Crawford, Sue Jacobs.
- 1.2. In attendance: Colin Windleborn, Warringah Council Property Manager.
- 1.3. Apologies: Nil.

2. CONFIRMATION OF MINUTES

- 2.1. The minutes of the meeting held on 10 June, 2015 were confirmed as correct by Alan Jones and Julie Whitfield.

3. MATTERS ARISING FROM PREVIOUS MINUTES

3.2 Funding and Sustainable Use

- **Warringah Council** to provide details on income and expenditure.

The Chair gave a summary of expectations of the Committee moving forward and invited Mr Dickinson to discuss the expenditure, income and usage associated with the State Park. Mr Dickinson explained Tables 1 to 4 in Attachment 1 and the Committee discussed the usage, expenditure and incomes figures. Ms Crawford advised that the usage estimates had been gathered during the Narrabeen Lagoon Dredging community engagement.

In regard to income, businesses in the Berry Reserve area were discussed. It was advised these were outside the State Park but are associated with it. The group agreed there was an opportunity to look at the business catchment which derives direct and/or indirect income from the State Park. It was advised that most user groups in Table 3 are Council leases at commercial rates however community group fees are nominal.

With regard to usage, questions were raised as to whether there were possible future activities that, in principle, the Committee believe should be considered. Council staff advised they were seeking guidance from the Committee on what is reasonable use of the State Park. Ms Whitfield suggested a decision support matrix be developed that incorporated and considered key guiding principles. It was noted that lack of parking is a major issue for the area and therefore usage needs to consider this as a constraint.

The Committee discussed and agreed the following key principles for consideration of development and/or activities within the State Park:

- must be sympathetic with the lagoon environment
- seeks to maximise times of low usage
- seeks a balance between commercial return and community events
- seeks a balance between organised (private) events and public walk-up users

Mr Hay gave an overview of what OEH – National Parks do in relation to both community and commercial events. The Committee suggested an annual or 2 yearly call out for expressions of interest in events/activities as a mechanism for consistent consideration of applications.

The question was raised regarding revenue raising and being financially sustainable. The gap between expenditure and income was discussed and the wisdom of adding further parcels at this time was questioned. It was agreed Narrabeen Lagoon State Park needs to consider maximising funding opportunities however the main purpose should not be raising money.

Mr Clarke advised that while it is not an objective of Crown Land for State Parks to be financially sustainable, of the 20 state parks in the State, only two were financially sustainable primarily due to the presence of caravan parks within them.

The Committee agreed that inclusion of additional land parcels within the State Park must be accompanied by additional funding and agreed management arrangements.

ACTION:

Staff to develop a decision making tool using the key principles to assess appropriate usage and distribute before next meeting.

Staff and committee members to look at new uses and projects.

Committee members accept the current funding arrangements and acknowledge Council will continue to maximise income and minimise expenditure **ALL/WC**

- **Warringah Council to investigate existing and future use.**

Discussed in above item.

- **Crown Lands** to provide information on licence and lease holders.

Mr Clarke provided information on these parcels. He advised there are a number of parcels in the State Park near the eastern channel that are being encroached upon, which could provide State Park income through disposal or licencing. In principle, Crown Lands prefer to dispose of parcels rather than prepare ongoing leases agreements, and may consider transfer to Council ownership. Council as Reserve Trust Manager may consider leasing them to neighbouring residents.

Licencing of jetties in this area is still being investigated by Crown Lands.

It was brought to the Committee's attention the car park outside Woolworths is within the State Park and is not currently metered.

ACTION: Crown continue to investigate jetties in these areas **CROWN**

3.5 State Park Boundaries

- **Crown Lands** to provide updated map of the State Park

Council staff are reviewing GIS anomalies and working with Crown to provide an updated map. One such anomaly is Wimbledon (Sanctuary) Island which is gazetted to be in the State Park but is not included in the map.

The map included in the agenda (see Figure 1 below) remains the currently accepted map. The Committee noted that Jamieson Park was included in the State Park.

ACTION: Council and Crown to take necessary action to ensure State Park lands are as indicated in the map **WC/CROWN**

- **Warringah Council** to review weightings on ownership and provide update.

Warringah Council has developed a multi-criteria matrix for evaluating land parcels that could potentially be included in the Narrabeen Lagoon State Park, which was distributed with the agenda. The Committee supported the matrix weightings for assessment of land parcels.

The Committee requested a summary map be prepared in order to visually represent where these parcels were within the State Park, and their respective values. It was noted that the majority of parcels are owned by Crown Lands.

ACTION:

Staff to present the information in a summary map showing priority areas and ownership.

Representatives from Warringah Council and Crown Lands to discuss inclusion of Crown parcels. **WC/CROWN**

3.6 Alleged Unauthorised Developments

This matter was discussed in 3.2.

4. GENERAL BUSINESS

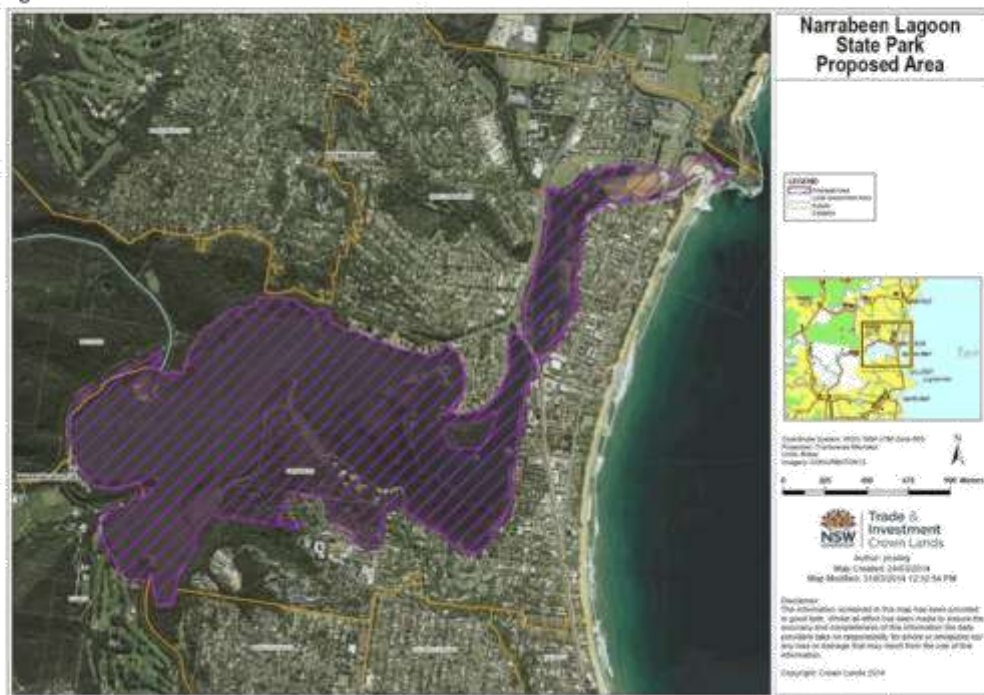
- 4.1. **Gai-mariagal National Park proposal** - Mr Hay advised a meeting had not yet been held between Metropolitan Local Aboriginal Land Council (MLALC) and National Parks however discussions were underway regarding various ideas for co-management of area.
- 4.2. **Mountain Bikes** – Mr Hay advised that MLALC were stopping mountain bikes and hikers through their property. National Parks is looking at endorsing and maintaining certain trails in their parks and are using mountain bike maps to show where tracks are.
- 4.3. **Navigation markers in Narrabeen Lagoon** – Mr Turnbull advised there were delays in productions at the manufacturing stage of the marker buoys as they were being made to order, however this is now complete and we are awaiting installation. He also advised a grant of \$34,000 from Crown Lands had been received which will cover the majority of project costs. In the meantime, staff had been liaising with user groups who are generally supportive of the outcome.
- 4.4. Add as an agenda item next meeting – Discuss Coffs Coast State Park as an example of a financially sustainable State Park with a caravan park.

5. NEXT MEETING

To be determined

There being no further business the meeting ended at 5:08 pm

Figure 1



Attachment 1 - Narrabeen Lagoon State Park Income and Expenditure

Table 1 Existing Commitments - Expenditure and Income

Description	Annual estimate
Expenditure	
Water quality monitoring	
Entrance clearance operation	
Bush Regeneration	
Fire Management Access Zone	
Mowing and reserve maintenance	
Trail and boat ramp maintenance	
Total Expenditure	\$356,500
Income	
Leases from clubs and businesses	
Parking	
Reserves bookings	
Total Income	\$65,400
User Numbers	
Water Based	2,050 / day (peak) 110 / day (low)
Trail users	360,000 / year

Table 2 Future Projects by Reserve

Description	Cost estimate
Berry Reserve	
Jamieson Park	
Middle Creek Reserve	
Birdwood Park	
Lagoon Body	


Table 3 Current Usage by Reserve

Description	Groups	Numbers	Comments and Constraints
Berry Reserve			
Cafes	2		Congested at weekends - the reserve, parking and the water body
Water Craft Rental	1	100 craft	
Kayak Club	1	Daily group training	
Markets	1		Busy during event
Jetty	1	100 craft	Congested at weekends
Parking			Parking is at capacity on weekends
Jamieson Park			
Sailing Club	1	25 craft	Congested at weekends - the reserve, parking and the water body
Water Craft Rental	1	20 craft	
Scouts	1	12 craft	
Tour operators	1	3 /year	
Dragon Boat Club	1	1 craft	
Filming	3		
Events – Weddings, picnics	6		
Parking	2 meters		
Middle Creek Reserve			
Casual stand up paddle board lessons	1	43 days / year	
Kayak Club	1	Daily group training	
Academy	1	220 students, 2 sessions / day (week days)	
Filming	5		
Events – Weddings, picnics	3		
Parking	1 meter		Parking is at capacity on weekends
Birdwood Park			
Passive Use - popular family beach			Busy on weekends
Parking			Parking is at capacity on weekends
Lagoon Body			
Water Based		2,050 / day (peak) 110 / day (low)	


Table 4 Future Potential Use and Income Opportunities by Reserve

Description	Groups	Numbers	Limitations and Constraints
Berry Reserve			
Jamieson Park			
Middle Creek Reserve			
Birdwood			
Lagoon Body			


Attachment 2 - Narrabeen Lagoon State Park - Land parcel consideration matrix

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 9 Sec 63 DP 5768	Score 62
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	
	High	8	
	Moderate	6	6
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	62


Lot 9 Sec 63 DP 5768

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Part Lot B DP 162942	Score 64
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	64


Part Lot B DP 162942

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7363 DP 1164008	Score 62
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	6
	≤ 5 Hectares	6	
		Score	62


Lot 7363 DP 1164008

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7364 DP 1164008	Score 62
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	62


Lot 7364 DP 1164008

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7356 DP 1164008 North	Score 58
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	
	Occupied - Lease	4	4
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	58


Lot 7356 DP 1164008 N

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7053 DP 93780	Score 56
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	8
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	
	Occupied - Lease	4	4
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	56


Lot 7053 DP 93780

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7357 DP 1164008	Score 62
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	8
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	62


Lot 7357 DP 1164008

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7356 DP 1164008 South	Score 58
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	
	Occupied - Lease	4	4
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	58


Lot 7356 DP 1164008 S

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7141 DP 1124285	Score 60
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	10
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	6
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	60


Lot 7141 DP 1124285

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 1 DP 514798 Score 62	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	8
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			62


Lot 1 DP 514798

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 1 DP 225797	Score 66
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	8
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	66


Lot 1 DP 225797

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 2 DP 1031932 Score 64	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	8
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	6
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	10
	6-15 Hectares	8	
	≤ 5 Hectares	6	
Score			64


Lot 2 DP 1031932

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7361 DP 1164008	Score 66
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	66


Lot 7361 DP 1164008

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7062 DP 93798	Score 61
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	6
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	61


Lot 7062 DP 93798

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 95 DP 752038	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	4
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Lot 95 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot B DP 354369 Score 53	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			53

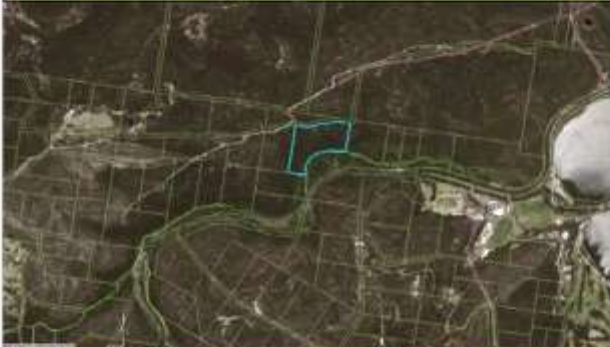
Lot B DP 354369

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot A DP 354369 Score 55	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	10
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			55


Lot A DP 354369

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 97 DP 752038	Score 53
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	53


Lot 97 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 98 DP 752038	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	55


Lot 98 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7060 DP 1058878	Score 59
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	6
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	59


Lot 7060 DP 1058878

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 888 DP 752038	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	4
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Lot 888 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 101 DP 752038 Score 55	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			55


Lot 101 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 102 DP 752038	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55

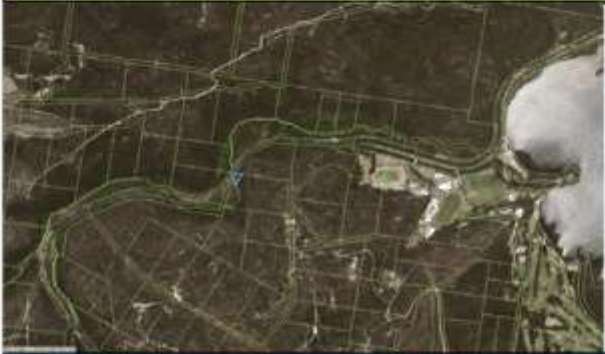
Lot 102 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 889 DP 752038 Score 55	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Lot 889 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7168 DP 1060737	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Lot 7168 DP 1060737

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 890 DP 1145280 Score 55	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Lot 890 DP 1145280

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 1021 DP 1176376	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			55


Lot 1021 DP 1176376

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7059 DP 1075131	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55

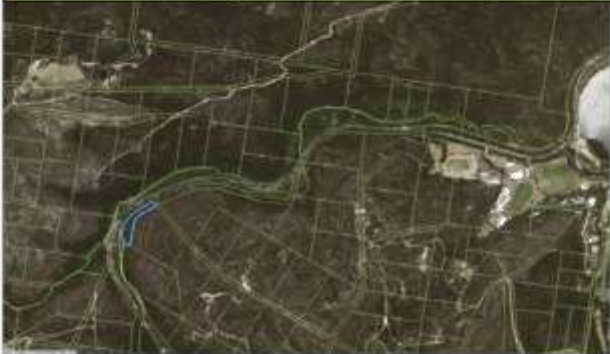
Lot 7059 DP 1075131

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Part Lot 895 DP 752038	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Part Lot 895 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 8961 DP 1204855	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Lot 8961 DP 1204855

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 1021 DP 752038 Score 55	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			55


Lot 1021 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 1022 DP 752038 Score 55	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			55


Lot 1022 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7189 DP 1075991	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Lot 7189 DP 1075991

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7190 DP 1075991	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			55


Lot 7190 DP 1075991

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 7188 DP 1075991	Score 55
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Lot 7188 DP 1075991

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 1017 DP 752038 Score 55	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	55


Lot 1017 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Part Lot 186 DP 752038	Score 57
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	10
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	57


Part Lot 186 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 863 DP 752038 Score 49	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	6
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	4
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	
	Low	4	4
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	5
		Score	49


Lot 863 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 864 DP 752038 Score 55	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	6
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	6
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			55


Lot 864 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 870 DP 752038 Score 51	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	6
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	4
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	51


Lot 870 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 869 DP 752038 Score 54	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	6
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	6
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	6
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	54


Lot 869 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 868 DP 752038 Score 54	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	6
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	6
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	6
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	54


Lot 868 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Part Lot 1 DP 74818 Score 60	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	6
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	6
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	10
	6-15 Hectares	8	
	≤ 5 Hectares	6	
		Score	60


Part Lot 1 DP 74818

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 882 DP 752038	Score 56
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	6
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	8
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	6
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	56


Lot 882 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 887 DP 752038 Score 54	
Criteria	Categories	Weighting	Score
Warrindah Biodiversity Conservation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warrindah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warrindah Council	8	
	Warrindah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	6
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	8
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	6
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			54


Lot 887 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 883 DP 752038 Score 51	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	6
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	6
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	51


Lot 883 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Part Lot 885 DP 752038	Score 47
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	
	High	8	8
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	6
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	47


Part Lot 885 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 2813 DP 727083 Score 49	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			49


Lot 2813 DP 727083

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 2814 DP 727083	Score 51
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	51


Lot 2814 DP 727083

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 2815 DP 727083 Score 51	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	51

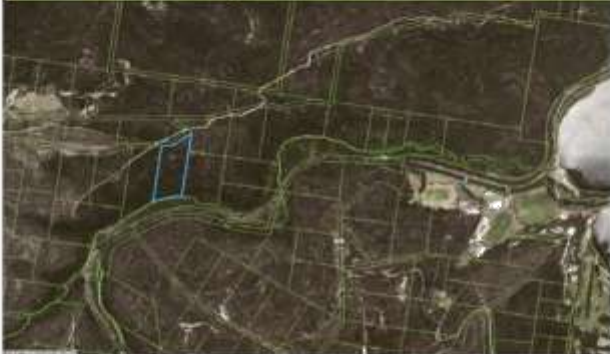
Lot 2815 DP 727083

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Part Lot 112 DP 752038	Score 51
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	51


Part Lot 112 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 106 DP 752038 Score 51	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
Score			51

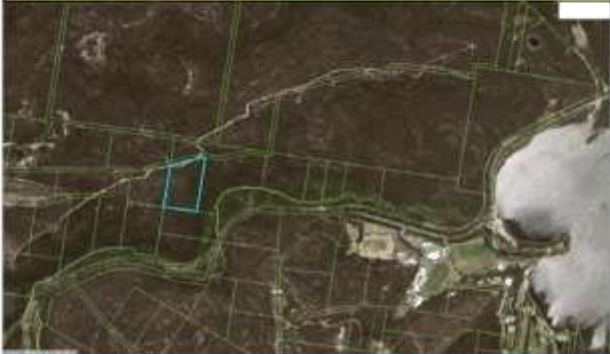
Lot 106 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 105 DP 752038 Score 49	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			49


Lot 105 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 103 DP 752038 Score 49	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	49

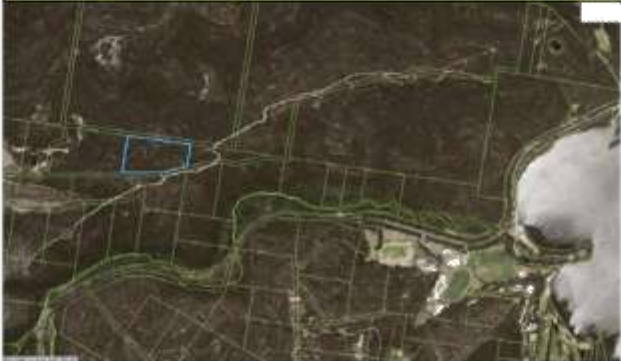
Lot 103 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 100 DP 752038 Score 49	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Consevation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			49


Lot 100 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 104 DP 752038 Score 49	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			49

Lot 104 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 108 DP 752038	Score 51
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	51


Lot 108 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot 99 DP 752038	Score 49
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	10
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	6
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	2
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	7
	Low	4	
Access	Easy	10	
	Moderate	8	8
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	49


Lot 99 DP 752038

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Lot	Score
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	
	Moderate	6	
	Local	4	
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	
	Medium	7	
	Low	4	
Access	Easy	10	
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	
		Score	0


7. Pittwater LGA - Crown Lands

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Sydney Lakeside Holiday Score 56	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	
	Moderate	6	
	Local	4	4
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	10
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	
	Occupied - Licence	6	
	Occupied - Lease	4	4
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	8
	≤ 5 Hectares	6	
		Score	56


Sydney Lakeside Holiday Park

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Bilarong Reserve A Score 60	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	
	Moderate	6	
	Local	4	4
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	10
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	10
	1 parcel removed	8	
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	60

Bilarong Reserve A

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Bilarong Reserve B Score 58	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	
	Moderate	6	
	Local	4	4
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	10
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	8
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
		Score	58

Bilarong Reserve B

Narrabeen Lagoon State Park Land Parcel Consideration Matrix			
		Bilarong Reserve C Score 58	
Criteria	Categories	Weighting	Score
Warringah Biodiversity Conservation Study	Very High	10	
	High	8	
	Moderate	6	
	Local	4	4
Ownership / Management	Dept of Lands / Warringah Council	10	
	Dept of Lands / Cromer Golf Club	10	
	Dept of Lands / Pittwater Council	10	10
	Dept of Lands / MLALC claim	10	
	Dept of Environment & Planning / Warringah Council	8	
	Warringah Council	10	
	Pittwater Council	6	
	Metropolitan Local Aboriginal Land Council	6	
	Minister Administering The Sporting Venues Management Act	6	
	The State Sporting Venues Authority	6	
Connectivity	Immediately adjoining	10	
	1 parcel removed	8	8
	2 parcels removed	6	
	3 parcels removed	4	
	4+ parcels removed	2	
Current use	Unoccupied	10	10
	Occupied - Licence	6	
	Occupied - Lease	4	
Amenity	High	10	10
	Medium	7	
	Low	4	
Access	Easy	10	10
	Moderate	8	
	Difficult	6	
Size	≥ 16 Hectares	10	
	6-15 Hectares	8	
	≤ 5 Hectares	6	6
Score			58

Bilarong Reserve C



MINUTES

NARRABEEN LAGOON STATE PARK ADVISORY COMMITTEE

HELD ON WEDNESDAY, 4 NOVEMBER 2015

**TODD DICKINSON
GROUP MANAGER NATURAL ENVIRONMENT**

▼
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Voting Members

Warringah Council – Chair	Mayor Michael Regan
Warringah Council GM representative	Mr Todd Dickinson
Recreational Representative	Ms Julie Whitfield
Community Representative	Mr Alan Jones
Metropolitan Local Aboriginal Land Council	Mr Allen Madden
Office of Environment and Heritage – National Parks	Mr Peter Hay
NSW Trade & Investment (Crown Lands)	Mr Paul Layt
NSW Department of Primary Industries (Fisheries)	Mr Marcel Green

Officers

Coast & Waterways Manager	Mr Adrian Turnbull
Senior Environment Officer – Lagoons	Ms Jodie Crawford
Senior Environment Officer – Lagoons	Ms Sue Jacobs
Administration Coordinator	Ms Denise Regan

**Minutes of the Meeting of the Narrabeen Lagoon State Park Advisory Committee
held on Wednesday, 4 November, 2015 in the Guringai Room, Civic Centre, Dee Why,
commencing at 4:00 pm.**

ACKNOWLEDGEMENT OF COUNTRY

1. ATTENDANCE

- 1.1. Present:
Mayor Michael Regan (Chair), Mr Todd Dickinson, Ms Julie Whitfield, Mr Christopher Wright
(Proxy for Mr Paul Layt), Mr Adrian Turnbull, Ms Sue Jacobs
- 1.2. In attendance:
Ms Denise Regan (Minutes)
- 1.3. Apologies:
Mr Marcel Green, Mr Alan Jones

2. CONFIRMATION OF MINUTES

- 2.1. The minutes of the meeting held on 19 August, 2015 were confirmed as a true and correct record of the proceedings of that meeting by Ms Whitfield and Cr Regan.

3. MATTERS ARISING FROM PREVIOUS MINUTES

3.1 Funding and Sustainable Use

▪ **Narrabeen Lagoon State Park Decision Support Matrix**

Mr Turnbull opened the document attached to agenda as Attachment 1 and explained the matrix in detail. Two examples were run through the Decision Support Matrix at the meeting as an exercise in how it might be used.

The first example was regarding using the boatshed as a commercial concern for Council.

A number of issues were raised including:

- the need better definition of the use of the boatshed for a detailed discussion;
- whether the boatshed would be accessible to anyone, i.e. able to be hired for private use;
- whether the proposed use was in line with the community's use of the area;
- whether a licenced premises would be considered, noting that this location would have no vehicle access;
- whether alcohol free zones would/should be in place;
- what amenities were available in the boatshed area, notably the lack of connected sewerage system. Mr Wright advised he had information on batched compost toilets should the committee/Council be interested.

It was suggested that the matrix needs to better define "public benefit". The intended meaning is that if a site is booked out for private use this precludes public benefit.

The second example was a portable water fun park with temporary structures on land.

A number of issues were raised including:

- where the land based portion would be located, noting that the northern foreshore is outside Warringah Council land;
- potential damage to seagrass beds;
- water quality considerations;

It was agreed that the location of any activity would need to be carefully considered to avoid damage and still give value.

ACTION:

RECOMMENDATION: That the Advisory Committee support the Recreation Decision Support Matrix and its application when considering proposed activities with the Narrabeen Lagoon State Park. **AGREED**

3.2 State Park Boundaries

Mr Dickinson explained the reasons behind setting up the State Park.

Maps attached to agenda were reviewed, and the committee agreed that an increased number of land parcels would be beneficial to the State Park. The committee discussed the benefit of including NSW Government land as first priority, with other land parcels for future consideration.

Mr Wright agreed to follow up on requests regarding the addition of Crown Lands as part of the State Park. The need to review land claim parcels was recognised.

ACTION:

RECOMMENDATION: That the Advisory Committee support the inclusion of high priority NSW Government land parcels into the Narrabeen Lagoon State Park, and that Crown Lands undertake appropriate actions in consultation with Warringah Council to facilitate inclusions. **AGREED**

3.3 Navigation markers in Narrabeen Lagoon

Navigation markers have been installed within the lagoon to indicate where the deep channel is and where shallow sea grass areas are located. A range of mediums showing the location of the navigation markers have been provided to users of the Lagoon including maps, brochures, flyers and signs. The committee recognised the significant benefit of these initiatives.

ACTION:

Water levels of lagoon to be included on the next agenda. **Warringah Council**

RECOMMENDATION: That the information be noted. **AGREED**

4. GENERAL BUSINESS

- 4.1 Narrabeen Lagoon Trail** – Ms Whitfield raised the question as to whether the Advisory Committee would support upgrading the remaining section of the trail so that it is a multiuse trail all the way around the lagoon. As this section of land is within Pittwater Council the matter was deferred.

5. NEXT MEETING

To be determined

There being no further business the meeting ended at 5:20pm

Attachment 1 - Recreation Decision Support Matrix

Narrabeen Lagoon State Park Recreation Decision Support Matrix									
ACTION PRT Work with Warringah Council and relevant stakeholders to facilitate holistic approach to management of public recreation on the lagoon to allow use and enjoyment of the lagoon while avoiding / minimising environmental impacts. Specific management model for Narrabeen Lagoon to be developed as part of Warringah Council Recreation Strategy 2008 (Action 20)									
Proposals with a suitable score should be assessed according to Council's normal processes and procedures and issued a licensing or leasing agreement if appropriate									
CONSIDERATION									
1. Is the proposal legal according to relevant legislation? Eg NSW Fisheries Management Act, NSW Threatened Species Act.	Yes or Not Sure; proceed with assessment	No; do not continue with assessment. Proposal is not permissible under the relevant legislation	2. Is the proposal permissible under Warringah Local Environmental Plan 2011 (WLEP2011)?	Yes or Not Sure; proceed with assessment	No; do not continue with assessment. Proposal is not permissible under the WLEP2011	3. Is the proposal permissible with the relevant Plan of Management (POM)? See Attachment 2	Yes or Not Sure; proceed with assessment	4. Is the proposal consistent with the relevant Council Policies	See Attachment 3
5. Is there commercial benefit to the State Park?	Yes	No	5. Is there a public benefit to the community?	Yes	No	6. Is there significant environmental impact?	LOW IMPACT	MODERATE IMPACT	HIGH IMPACT
7. Is there significant environmental impact?	Minimal disturbance to the natural assets' functional attributes	Increased potential or risk for permanent and/or significant disturbance to the natural asset	5	1	3	5	1	3	5
8. Is it consistent with the carrying capacity and amenity of that particular area of trail, car park, reserve or section of water body?	Consider: - use of trail, car park, reserve or water body - use during peak periods, eg passive and low impact proposed during low use periods vs. increase during summer weekends or school holidays - noise and disturbing the peace - access and impact of private events and the use of the area by the general public - equipment being left on site when users are not present - safety, for example is the activity safe, area well lit, good access after dark, safe for other users eg consider events involving speed	Consider: - waste generated (eg coffee cups, dog waste) - disturbance of seagrass or other aquatic habitat (eg involves wading through seagrass areas) - terrestrial vegetation - water quality - forest/riparian banks and boat access ramps (erosion) - Proposed promotes use of lagoon for educational purposes, assists community groups in studying and learning about the lagoon environment	Apply the highest individual score of any point above as the overall score	Apply the highest individual score of any point above as the overall score	Apply the highest individual score of any point above as the overall score	Apply the highest individual score of any point above as the overall score	Apply the highest individual score of any point above as the overall score	Apply the highest individual score of any point above as the overall score	Apply the highest individual score of any point above as the overall score
Total (noting that a score of 8 or less suggests likely recommendation to proceed)									



PERMISSIBLE USES UNDER WARRINGAH LOCAL ENVIRONMENTAL PLAN 2011	
W2 PUBLIC RECREATION	
Permitted without Consent	
Environmental facility	
Environmental protection works	
Road	
Permitted with Consent	
Boat building and repair facility	
Boat launching ramp	
Boat ramp	
Building identification sign	
Business	
Car park	
Child care centre	
Community facility	
Emergency services facility	
Jetty	
Kiosk	
Recreation area	
Recreation facility (indoor)	
Recreation facility (major)	
Recreation facility (outdoor)	
Respite day care centre	
Restaurant or cafe	
Water recreation structure	
W1 NATURAL WATERWAYS	
Permitted without Consent	
Environmental protection works	
Permitted with Consent	
Boat launching ramp	
Community facility	
Environmental facility	
Jetty	
Recreation area	
E2 ENVIRONMENTAL MANAGEMENT ZONE	
Water recreation structure	
Permitted without Consent	
There is no development identified as being Permitted without Consent.	
Permitted with Consent	
Environmental protection works	
Road	
S1 SPECIAL ACTIVITIES	
Recreation Facility (Indoor) Recreation Facility (Outdoor) Function Centre	
Medical Centre	



PLANS OF MANAGEMENT	
Generic Parks	green
Dee Why Valley and South Creek Open Space Corridor	blue
Jamieson Park	pink cross hatch
Berry Reserve and Adjoining Foreshores	yellow
Generic Parks	white
Narrabeen Lagoon	lagoon waterbody

Protection of Waterways and Riparian Land Policy

Principles

Warringham Council is committed to managing, protecting and restoring waterways and riparian land in a manner that:

- allows them to function as natural systems where possible,
- considers risk from instability, erosion and flooding, and
- is consistent with Warringham Council planning controls and guidelines as well as NSW and Australian legislation and guidelines.

The following principles apply:

3.1 Protection of Waterway and Riparian Land

- a) Natural ecological processes of waterways and riparian land shall be maintained and enhanced to the greatest extent possible by:
- causing no net loss to biodiversity;
 - supporting natural flow regimes;
 - minimising bank erosion and promoting naturalistic bank protection works when stabilisation is necessary (i.e. soft engineering outcomes);
 - preventing alteration of watercourses (includes piling, channeling, relocation or removal);
 - improving plant communities through natural area restoration;
 - maintaining natural floodplains where appropriate;
 - bushfire asset protection zones shall be maintained outside of riparian land;
 - piped or channelled watercourses shall be reinstated to more natural forms where possible;
 - Cultural heritage shall be preserved and opportunities created for appropriate public access and recreation in publicly owned land.

Note: Public access should be located outside riparian zones where possible except for crossing points or other strategic locations.

3.2 Protection of Life and Property

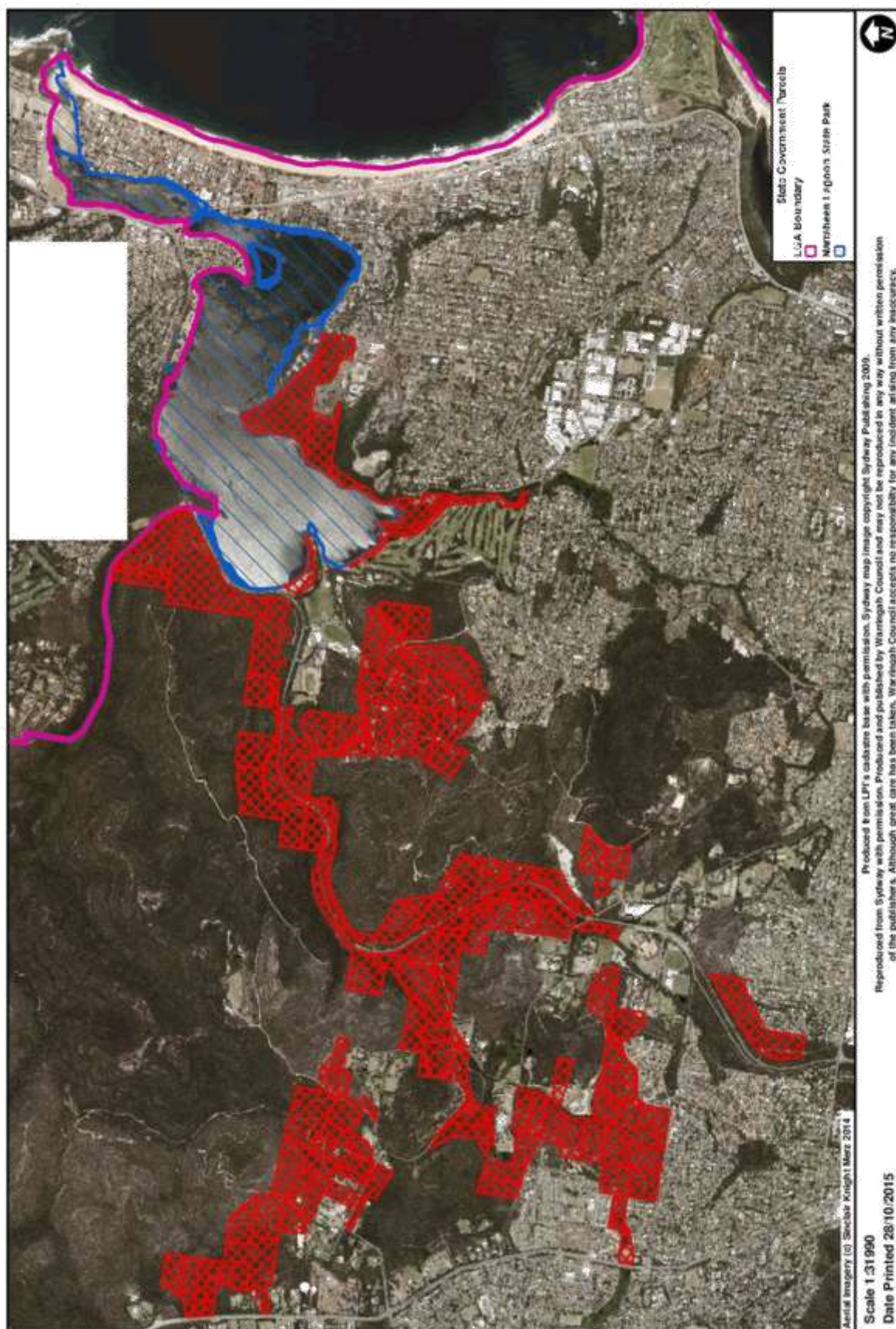
- a) Appropriate riparian setback distances shall be incorporated into new development to avoid damage to public and private property.
- b) Development shall be sited and designed to maintain the stability of watercourse bed and banks.
- c) Risks to life and property shall be minimised by observing floodplain development controls.

3.3 Development

- d) Development within waterways and riparian land should be avoided.
- Where a waterway has not yet been identified on Council's Waterways and Riparian Land Maps, the riparian land within one to be applied from relevant State guidelines. These can be found in Attachment 1.
- Where development is proposed within waterways and riparian land, a Waterway Impact Statement shall be submitted with the development application to enable Council to assess how the application meets the policy objectives, and identify potential impacts. A Waterway Impact Statement is to demonstrate to Council the development will either enhance, or as a minimum, will not adversely affect ecological function or limit opportunities to rehabilitate the area in the future to the greatest possible extent.
- Where appropriate, a Waterway Impact Statement is to demonstrate through an attached engineer's report the proposed development is not at risk from damage from creek bank erosion. For details refer to Warringham Council's planning controls and references in sections 9 and 10 of this policy.
- e) Where private property is at risk of being damaged, landowners may protect their property through appropriate protection works. This may require the submission of a development application to Council. The applicant is to clearly demonstrate through a suitably qualified engineer's report that the asset is at risk of being damaged. In addition the report is to clearly demonstrate protection works will cause no adverse impacts to neighbouring or nearby properties and the design is to use natural materials where possible.
- c) Council shall routinely apply notations that include provisions in relation to Waterways and Riparian Land (with affected properties being identified on Waterways and Riparian Land map, or otherwise identified to Council) to planning certificates under Section 149 of the Environmental Protection and Assessment Act 1979 (NSW).

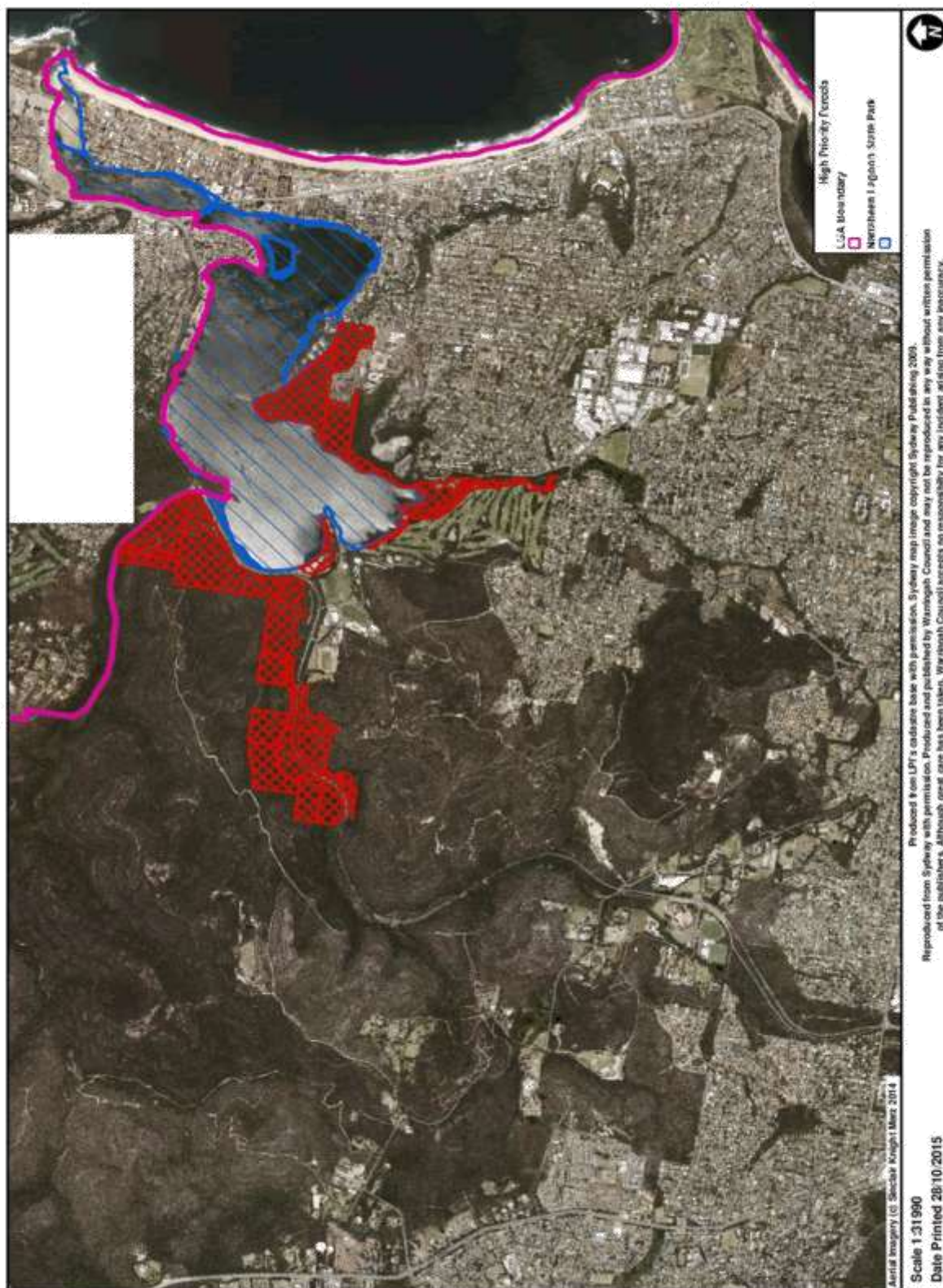


Attachment 2 - State Government Land Parcels Map



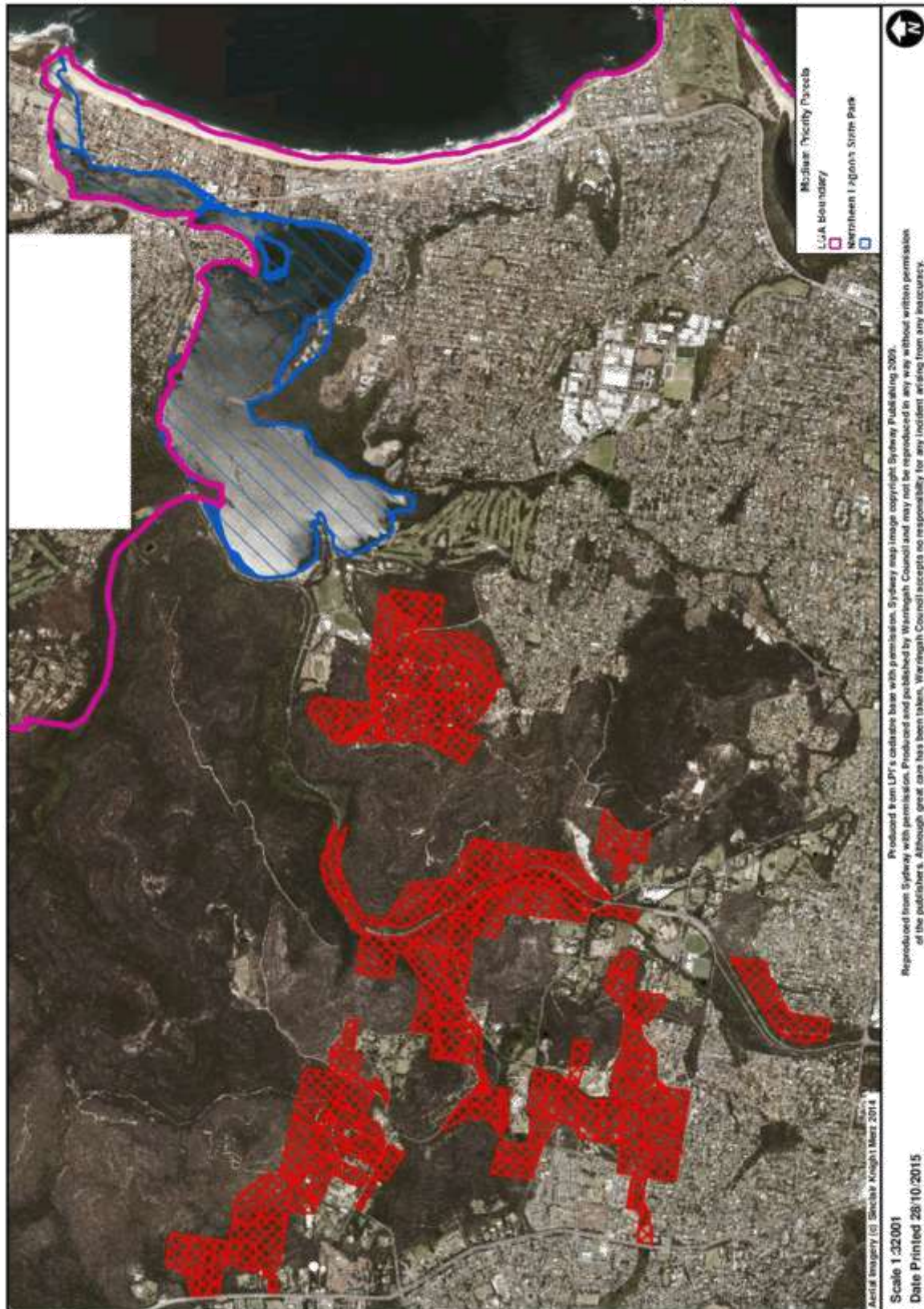
Map 1 State Government Parcels

Attachment 3 - High Priority State Governmnet Land Parcels Map



Map 2 High Priority State Government Land

Attachment 4 - Medium Priority State Government Land Parcels Map



Map 1b Medium Priority State Government Land Parcels

Attachment 5 - Narrabeen Lagoon Marker Buoys

NAVIGATION MARKER BUOYS

*For smooth sailing at
Narrabeen Lagoon*

Narrabeen Lagoon is Sydney's largest coastal lagoon and home to many unique and endangered plants and animals.

It is home to sensitive and endangered seagrass meadows that need protecting. Seagrass is a vital nursery ground for young fish and helps keep the water clear by filtering nutrients and stabilising sediment. Narrabeen Lagoon is shallow in parts because Council keeps the lagoon entrance open to manage flood risk.

Warringah Council has installed special marker buoys in Narrabeen Lagoon to help you navigate around these areas.

KEY

- ● Navigational Marker Buoys
- Seagrass Buoys
- Shallow Water
- Seagrass
- Boat Ramp
- Narrabeen Lagoon Trail

Note: Not all hazards or seagrass areas are marked, other hazards are present.

Narrabeen Lagoon is an 8 knot waterway. Narrabeen Lagoon Trail is an 8.4km loop.

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