WELCOME
The Chair welcomed Committee members and thanked them for their attendance. Introductions were undertaken.

APOLOGIES
Apologies were received and accepted on behalf of Andrew Monk, Cr David Brown, Cr Bede Crasnich, Cr Marianne Saliba, Phillip Birtles and Graham Towers.

ACKNOWLEDGEMENT OF COUNTRY
The Chair acknowledged the traditional owners of the land.

DECLARATIONS OF INTEREST
No declarations of interest were received.

CONFIRMATION OF MINUTES OF MEETING HELD ON 10 Aug 2016
Recommendation: That the minutes of the previous Lake Illawarra Estuary Management Committee meeting held on 10 Aug 2016 be endorsed:
MOVED: Cr Ann Martin
SECONDED: Annie Marlow
ALL IN FAVOUR

Action items 5, 7, 8, 12, 12 (2), 12(3), 12(4) and 13 were progressed. Mike Dowd informed the Committee that the works to Windang Boat Ramp (item 11) cannot be considered ‘emergency’, due to the ongoing nature of the issue. Problems with the drop off at the bottom of the boat ramp will be considered as a part of the larger remedial protection works for the Windang Foreshore. Mike will provide more information regarding these more extensive works at the next meeting.
6. CORRESPONDANCE IN AND OUT

**Correspondence In:**

<table>
<thead>
<tr>
<th>From</th>
<th>Description</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sydney Water</td>
<td>Letter dated 28 Sept 2016 providing the Committee concept design information re the proposed upgrade works at Oak Flats/ Albion Park.</td>
<td>Sent an email out to LIEMC members on 5 Oct for information. Included in meeting papers.</td>
</tr>
<tr>
<td>SCC</td>
<td>Letter dated 12 Oct 2016 providing the Committee information re the Horsley Creek Floodplain Risk Management Study and Plan</td>
<td>Included in meeting papers for information.</td>
</tr>
</tbody>
</table>

**Correspondence Out:**

<table>
<thead>
<tr>
<th>From</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kristy Blackburn on behalf of the LIEMC</td>
<td>Provided response back to ENSure (company engaged by Sydney Water) via email on 5 Oct 2016.</td>
</tr>
<tr>
<td>David Farmer, General Manager, WCC on behalf of the LIEMC</td>
<td>Reminding the Minister for Environment, the Hon Greg Hunt MP of the coalition election commitment to fund the previously unapproved Green Army project for Lake Illawarra. Copied to Hon Sharon Bird MP and Mr Steven Jones MP.</td>
</tr>
</tbody>
</table>

We have had verbal confirmation that the Green Army project will be funded.

The information is received and noted.

9. VALUES AND THREATS WORKSHOP OUTCOMES (PRESENTATION)

This item was moved up on the agenda as Jocelyn Dela-Cruz and Rodney Kerr were not ready to present. Kristy outlined what values and threats emerged for Lake Illawarra during the workshop undertaken by the LIEMC at the last meeting. The outcomes were reflected upon and differences in LIEMC member views and staff views were noted. The value categories presented at this workshop are different to the ones settled upon for the community survey. Members were encouraged to complete the community survey and distribute it throughout their networks.

7. OEH STORMWATER MANAGEMENT FRAMEWORK (PRESENTATION)

Jocelyn Dela-Cruz, Principal Scientist, Water Wetlands and Coasts Science Branch, NSW Office of Environment and Heritage presented the risk-based framework for stormwater management model that has been developed by OEH for use in catchments throughout NSW. Jocelyn has been using the Lake Illawarra catchment as a model for demonstrating the outcomes of the framework to stakeholders throughout NSW. It is envisaged that this framework will become a protocol for assessing estuary health in the yet to be finalised NSW Coastal Management Manual. OEH are planning are workshop with SCC and WCC staff to discuss the model with them and how it can be applied to both Council areas. Where it has been applied in other estuaries eg by Great Lakes Council, improvements in estuary health have been recorded.

8. SYDNEY WATER WASTEWATER MANAGEMENT WITHIN LAKE ILLAWARRA CATCHMENT (PRESENTATION)

Rodney Kerr did not attend the meeting so the presentation did not go ahead.

10. REZONING APPLICATIONS – LAKE CATCHMENT AND FORESHORE

This is a standing agenda item and allows WCC and SCC to provide basic information on rezoning applications within the Lake Illawarra catchment for the Committee’s information. SCC had no relevant planning proposals to report. Renee Campbell, Manager Environment Strategy and Planning, WCC detailed the status of each of the WCC based planning proposals outlined in the attachment.
11. MAJOR CAPITAL WORKS – COUNCIL BASED
Max Boenisch, Group Manager Infrastructure Services at SCC spoke to a map showing proposed locations for sand removal and deposition in the lake entrance channel. This is in response to community complaints about the depth of water in the swimming area and the area near Pelican Island. By deepening the water near Pelican Island it is also hoped to reduce the impact of visitors to the island where sensitive shorebird nesting takes place. The project may involve simply moving sand around with machinery, or it may involve dredging and placement of sand on Warilla Beach. It is still being scoped. This work is similar to what has previously been undertaken by the LIA. All work would be done with appropriate approvals.

Mike Dowd, Manager Infrastructure Strategy and Planning, WCC informed the Committee of bridge replacement works on a bridge on Yallah Bay Road, adjacent to and at the northern end of Tallawarra Power Station. The bridge is a Council asset on a Council-managed public road, located adjacent to former Lake Illawarra Authority land at Yallah Bay. He also said that he would provide an update to the committee of the continuing works at Judbooley Pde Windang which has since been provided and is as follows: The project is progressing very well with all work to the west of the fishing platform all but complete. The remaining work is the repairs and modifications to the existing sandstone blocks erosion protection to the east of the fishing platform. This is expected to be done by end of Nov.

12. LAKE ILLAWARRA OFFICER REPORT
Kristy Blackburn provided information as outlined in the Business Paper on the following issues:
- Items in the press
- Update on project - CZMP for Lake Illawarra
- LIEMC bus trip around the lake
- Land ownership issues – WCC and State Government
- Grants awarded
  - Green Army project around Lake Illawarra has been funded. Subject of letter sent to Minister.
  - Monitoring project has been extended by OEH to provide continuity.
- Other agency capital works around the Lake
  - Crown Lands - work has begun on repairing the nth breakwater at the entrance to Lake Illawarra.
  - Crown Lands - contractors also recently removed the two wooden walkway structures at Windang.
  - Crown Lands – consultant engaged to undertake preparatory works for dredging Berkeley Harbour.
- Upcoming events around the lake
- SCC Flood Study for Horsley Creek

13 COMMITTEE MEMBER UPDATES (ROUND TABLE)
- Col Wilton stated that planks had been repaired on the observation platform at Heritage Park Windang.
- Anne mentioned the Hooka Point Blitz happening on Sat Nov 5th. Signs have been erected by WCC to help stop vandalism from bikes. Clean up, plant and bird ID walk.
- Danny is presenting a paper to the NSW Coastal Conference re impacts on lake Illawarra due to the permanent entrance opening. This will be important for the development of the CZMP.
- Brian spoke about the UoW Honours students presenting their works relevant to Lake Illawarra. Studies include – Ammonia Plume on Windang Peninsula, effects on the lake from the permanent entrance, impact of vehicles on saltmarsh, carbon storage. They are available online through the UoW website. There was a discussion about putting works like these onto a Lake Illawarra website.

14 OTHER BUSINESS
No other business was raised.

15 NEXT MEETING
The next meeting of the LIEMC is scheduled for 5.30pm Wednesday 8 February 2017. It will be held in the SCC Council Chambers.

16 CLOSE
The meeting concluded at 7.20pm.

Minutes to be confirmed at the next meeting due to take place on 8 Feb 2017.
ACTION SUMMARY

<table>
<thead>
<tr>
<th>Item</th>
<th>Action</th>
<th>Officer</th>
<th>Status</th>
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<tbody>
<tr>
<td>5</td>
<td>That Mike Dowd present the proposed Windang foreshore remediation/</td>
<td>MD</td>
<td></td>
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<td></td>
<td>protection works to the next Committee meeting</td>
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<tr>
<td>9</td>
<td>That Kristy send hard copy surveys to John Davey for distribution</td>
<td>KB</td>
<td></td>
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<tr>
<td>11</td>
<td>That Mike Dowd provide Kristy with an update on works at Judbooley</td>
<td>MD</td>
<td>Completed and included in the draft</td>
</tr>
<tr>
<td></td>
<td>Pde Windang to distribute to the Committee</td>
<td></td>
<td>minutes</td>
</tr>
<tr>
<td>13</td>
<td>That Danny provide his NSW Coastal Conference paper to Kristy for</td>
<td>DW</td>
<td></td>
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<td></td>
<td>distribution and that he presents it at a future LIEMC meeting</td>
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<tr>
<td>13</td>
<td>That Brian sends the links to relevant student work to Kristy for</td>
<td>BJ</td>
<td></td>
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<td></td>
<td>distribution to the Committee</td>
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