

# AGENDA

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## **INNER WEST COUNCIL**

**FLOOD MANAGEMENT ADVISORY COMMITTEE  
MEETING**

**THURSDAY 28 MARCH 2019**

**3.00pm**

## **AGENDA**

- 1 Apologies**
- 2 Disclosures of Interest**
- 3 Confirmation of Minutes**
- 4 Matters Arising**
- 5 Staff Reports**

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FMACC0319(1)

Item 1	Presentation of the Draft Dobroyd Canal and Hawthorne Canal Flood Risk Management Study and Plan	<b>9</b>
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- 6 General Business**
- 7 Close of Meeting**

**Inner West Council  
Flood Management Advisory Committee  
Minutes of Meeting Thursday 14<sup>th</sup> December 2017  
Petersham Administration Centre Function Room  
Level 3, 2-14 Fisher Street Petersham**

Meeting commenced 3.10pm

**1. Acknowledgement of Country**

Acknowledgement of Country by Cllr Lucille McKenna OAM

*I acknowledge the Gadigal and Wangal people of the Eora nation on whose country we are meeting today, and their elders past and present.*

**2. Present**

**Voting Members**

Chair	Cllr Lucille McKenna OAM
Councillor	Cllr Colin Hesse
Councillor	Cllr Marghanita Da Cruz
State Emergency Service	Michael Carney
State Emergency Service	Robert Baker
Community Representative	Lois Gray

**Non-voting Technical Advisory Members**

Office of Environment & Heritage	Greg Davis
Inner West Council	Wal Petschler
Inner West Council	Tony Giunta
Inner West Council	Jean Brennan
Inner West Council	James Ogg
Inner West Council	Christine Phillips
Inner West Council	Ryan Hawken
State Emergency Service	Denise Tolhurst
State Emergency Service	Klaus Neuscheler
City of Sydney	Shah Alam
Roads and Maritime Services	Mark Millington

**3. Apologies**

Community Representative	Tim Harnett
Community Representative	Shad Wall
Community Representative	Rhonda Kruger
State Emergency Service	George Jeffreys
State Emergency Service	Alexander Bailey
State Emergency Service	Pilar Lorenzo
Inner West Council	Gill Dawson
Inner West Council	Joe Di Cesare
Inner West Council	Sadeq Zaman
Inner West Council	Cathy Edward-Davis
Inner West Council	Jan Orton
Inner West Council	Elizabeth Richardson
Inner West Council	Anup Paudel
Sydney Water	David Grasby
Roads & Maritime Services	Ashraf Awadalla
Burwood Council	Bill Adamopoulos
Canterbury-Bankstown Council	Peter Lay

Canterbury-Bankstown Council  
NSW Dept Primary Industries and  
Fisheries

Cherie Blackburn  
Carla Ganassin

#### 4. Terms of Reference

The Committee is advisory in nature and any recommendations are not binding on Council. The Committee currently has nine voting members of which six voting members were present, satisfying a quorum of 50% for the meeting.

#### 5. Disclosures of Interest

Nil declared

#### 6. Confirmation of Minutes

Minutes of the previous meeting held 22 June 2017 were accepted as correct.

#### Committee Recommendation:

**THAT** the minutes of the previous Flood Management Advisory Committee meeting be noted and accepted.

**For Motion:** Unanimous.

#### 7. Matters Arising

1. In the absence of Sydney Water's representative, Council presented the Committee with a written update provided by Sydney Water on the project for renewal of Whites Creek, as follows:

*Renewal of open waterway near Brenan St, Annandale*

*Sydney Water's condition assessment for this location has identified that the existing open concrete channel is at risk of collapse and needs to be replaced.*

*When our open channels require renewal, it is now our preference to naturalise these provided:*

- *the required land-take for naturalisation is acceptable to the community / Council*
- *the level of service provided by the asset is acceptable to the community / Council*

*Inner West Council have advised that properties near this location are flood-affected, and Council has been in discussion with Sydney Water about the future servicing of the area with regard to flooding and the proposed naturalisation. Sydney Water is willing to work with Council to investigate whether a naturalised asset can be delivered without compromising the ability to deliver an improved flood outcome, and we have sought Council to assist with funding this investigation (as this work to improve the capacity arises from Council's floodplain management responsibilities).*

*Sydney Water is aiming to complete a concept design for naturalisation by mid-2018. This concept will need to demonstrate how a future capacity improvement could be accommodated over the mid- to long-term, independent of the proposed naturalisation.*

*Renewal of culvert under Whites Creek Lane, Leichhardt*

*Sydney Water's condition assessment for this location has identified that the enclosed concrete asset is nearing the end of its life. Planning for the renewal of this asset is currently forecast to commence in mid-2020.*

*Whether the scope for this renewal work is 'like for like' or accommodates some form of capacity improvement is currently an open question, which would be good to answer definitively within the next 6 months so that it can inform Sydney Water's next pricing submission to the Independent Pricing and Regulatory Tribunal (IPART).*

*If the future capacity improvement is a box culvert beneath Whites Creek Lane in parallel with the existing culvert, such works need not necessarily proceed at the time of renewing the existing culvert. Despite the existing asset being owned by Sydney Water, a future asset in parallel could be owned either by Council or Sydney Water.*

*Update requested by Sydney Water*

*Sydney Water would like to receive an update from Inner West Council in terms of:*

- the status of the Floodplain Risk Management Plan for the Whites Creek area*
- the status of contributory funding towards capacity improvement planning*

Council advised the Committee that Council was unsuccessful in its grant application to the Office of Environment and Heritage (OEH) for funding toward the joint project between Council and Sydney Water for preparation of concept plans for amplification of Whites Creek. Council will now enter into discussions with Sydney Water on the way forward with this project.

2. Council provided the Committee with an update on the Flood planning area mapping for the catchments of Johnstons Creek south of Parramatta Road, Alexandra Canal and Hawthorne Canal south of Parramatta Road

*The proposed amendments to Part 2.22 – Flood Management of Marrickville Development Control Plan (MDCP) 2011 was reported to the July 2017 Council meeting. The Administrator at that meeting resolved to:*

- “1. Receive and note the report;*
- 2. Adopt the updated Flood Planning Area Map in ATTACHMENT 1 and the updated Flood Liable Land Map in ATTACHMENT 2; and*
- 3. Resolve to publicly exhibit draft Marrickville Development Control Plan 2011 (Amendment No. 7) to amend Part 2.22 – Flood Management to incorporate the updated Flood Planning Area Map in ATTACHMENT 1 and the updated Flood Liable Land Map in ATTACHMENT 2.”*

*The draft MDCP was placed on public exhibition from 10 October 2017 to 21 November 2017. Council's Officers are reviewing the submissions received during the exhibition period and the matter will be reported back to a Council meeting in early 2018.*

## **8. Reports**

Council's engineers presented the Committee with an overview of the background and context behind the two floodplain risk management studies and plans that the Committee were later asked to endorse to Council for adoption. The purpose of the presentation was to give an overview of each study and plan, and provided general information of the reasoning and process behind preparation of a flood risk management study and plan.

Reports on the Public Exhibition of the draft Leichhardt Flood Risk Management Study and Plan and the draft Marrickville Flood Risk Management Study and Plan were presented to the Committee as a combined Item.

The Committee asked how Council intends to prioritise the Options presented in each of the different Flood Risk Management Plans against all current plans prepared, particularly now that the three former Councils have amalgamated into one.

Response: *That is yet to be determined and will not be a simple process as there are many internal and external factors that need to be considered. The use of the Multi Criteria Analysis is one way in assisting in this process.*

The Committee asked if Council lays grass verge or uses other methods to improve permeability when undertaking footpath renewal works.

Response: *Yes, if possible when the opportunity arises.*

The Committee asked if Council is requiring large developments to reduce the amount of hard surfaces and incorporate flood drainage and flood mitigation and works?

Response: *In general, yes. Council also requires large developments to install water quality improvement measures. All of these measures are addressed within Council's Development Controls. It was noted that larger developments have a much greater opportunity to implement these measures than small developments such as single terrace homes.*

*An example of where Council has recently applied relevant flood related development controls and incorporated the recommendations of the FRMSP is the development at 22 George Street, Leichhardt.*

Clr Da Cruz asked if the Leichhardt Flood Risk Management Study and Plan considered the sewage pump station and railway bridge along Johnston Creek or not.

Response: *The sewage pump station in Hutchinson Street, Annandale is within the Whites Creek catchment. This property is identified as a flood control lot.*

*The sewage pump station at Booth Street, Annandale is within the City of Sydney. The Leichhardt Flood Risk Management Study and Plan does not consider this sewage pump station.*

*The section of Johnston Creek that passes beneath the Light Rail railway bridge is within the City of Sydney. Consequently the Leichhardt Flood Risk Management Study and Plan does not consider this railway bridge. The study does consider the Light Rail railway bridge that passes above Whites Creek at Railway Parade, Annandale.*

### **Committee Recommendation:**

**THAT** Council adopt the Leichhardt Flood Risk Management Study and Plan dated November 2017.

**For Motion:** Unanimous.

**THAT** Council adopt the Marrickville Valley Flood Risk Management Study and Plan dated September 2017.

**For Motion:** Unanimous.

## 9. General Business

- i. Clr Da Cruz and Clr McKenna OAM thanked the Committee and Council staff for their involvement in the preparation of the Leichhardt Flood Risk Management Study and Plan and the Marrickville Valley Flood Risk Management Study and Plan.
- ii. Clr McKenna OAM asked for the Minutes to include a note of thanks you to the two Local Representative Advisory Committee (LRAC) members, Mr Frank Breen and Mr Alex Lofts, for their contribution to the preparation of the Leichhardt Flood Risk Management Study and Plan and the Marrickville Valley Flood Risk Management Study and Plan.
- iii. Lois Gray asked if copies of both of the Flood Risk Management Studies and Plans can be provided to adjacent Council's once adopted by Inner West Council and if Inner West Council can request copies of relevant Flood Risk Management Studies and Plans from adjacent Councils.

*Response: The Committee were advised that agreements are already in place for the sharing of some models with adjacent Councils, for example, the Alexandra Canal Study built upon the model provided by the City of Sydney. Copies of all of Council's Flood Studies and Flood Risk Management Studies and Plans can be provided to all adjacent Council's as needed.*

- iv. Council's Infrastructure Planning (Transport & Stormwater) Manager Tony Giunta provided the following update on the status of the Flood Risk Management Study and Plan for each of Dobroyd and Hawthorne Canals.

*Response: The Flood Risk Management Study and Plan for each of Dobroyd and Hawthorne Canals are ready to be placed on public exhibition. Following the exhibition a report will be prepared for the Committee, similar to that provided for the Leichhardt and Marrickville Valley Flood Risk Management Studies and Plans.*

*The following information was also provided - Application was made to the Office of Environment and Heritage for funding for the Flood Studies in the catchment areas of William Street and Marrickville South in 2017. Neither application was successful.*

- v. Clr Da Cruz asked if Flood Studies and Flood Risk Management Studies and Plans have been completed for all sections of Johnston Creek and Whites Creek.

*Response: The Committee were advised that the Flood Study and the Flood Risk Management Study and Plan for Whites Creek has been completed. Flood Studies for all sections of Johnston Creek have been completed by the relevant Council the particular section of Johnston Creek lies within. The City of Sydney and Inner West Council have completed Flood Risk Management Studies and Plans for Johnston Creek north of Parramatta Road. The Flood Risk Management Study and Plan for Johnston Creek south of Parramatta Road is yet to be undertaken.*

- vi. Mark Millington of Roads and Maritime Services (RMS) raised the following, which was subsequently provided by email for inclusion in these Minutes:

*The waterways of Sydney Harbour and its tributaries along with part of Hawthorne Canal are lands for which RMS undertakes a range of responsibilities as land owner and navigation authority. RMS undertakes regular clean up services dealing with materials and*

*pollutants within the catchment that have washed into Sydney Harbour and its tributaries and it is generally supportive of measures aimed at improving stormwater quality reducing storm surges.*

*It is noted that the Leichhardt Flood Risk Management Study and Plan outlines a range of options including new stormwater outlets discharging into a number of RMS waterways such as Iron Cove, Mort Bay, Snails Bay, White Bay, Rozelle Bay, Hawthorne Canal, White Creek and Johnstons Bay. Such development has the potential to result in sea bed erosion, sedimentation and contamination, it can also result in the discharge of pollutants and may have impacts on safe navigation. RMS recommends that prior to determining to proceed with specific options, Council ensures that it follows the applicable planning pathways, including undertaking assessments of their environmental impacts in accordance with the requirements of the Environmental Planning and Assessment Act 1979. As part of this process RMS requests that it is included in stakeholder consultation prior to determination. Appropriate tenure arrangements will also need to be established for any use or occupation RMS lands.*

- vii. The State Emergency Service advised that that will run a “Get Ready for Flooding” campaign in 2018.
  
- viii. Lois Gray asked that Council provided the Committee with an update on the WestConnex/Sydney Metro consultancy project at the next Committee meeting.

Meeting closed 4:27pm



**Item No:** FMACC0319(1) Item 1

**Subject:** PRESENTATION OF THE DRAFT DOBROYD CANAL AND HAWTHORNE CANAL FLOOD RISK MANAGEMENT STUDY AND PLAN

**Prepared By:** James Ogg – Coordinator, Stormwater & Emergency Planning

**Authorised By:** Wal Petschler - Group Manager Footpaths, Roads, Traffic and Stormwater

**Item 1**

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## **RECOMMENDATION**

**THAT the Draft Hawthorne Canal and Dobroyd Canal Flood Risk Management Study and Plan dated March 2019 be endorsed for community engagement.**

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## **BACKGROUND**

The Dobroyd Canal and Hawthorne Canal Flood Risk Management Study and Plan was commenced in 2016 by specialist consulting engineers WMA Water on behalf of Ashfield Council to address the existing, future and continuing flood problems for each of the Hawthorne and Dobroyd Canal areas within Ashfield Council's boundaries. Following the creation of Inner West Council in May 2016, this study was expanded to include the areas within the former Marrickville Council LGA boundary that drained to Hawthorne Canal. The areas of Hawthorne Canal within the former Leichhardt LGA were previously reviewed for works as part of the Leichhardt Flood Risk Management Study and Plan adopted by Council in May 2018.

Flood hazard management and mitigation can be broadly categorised into three areas:

- Flood Modification measures (infrastructure works undertaken to change flood behaviour)
- Property Modification measures (measures taken by individual property owners to reduce the impact of flood waters)
- Emergency Response measures (measures taken by Emergency Services and Council during or prior to a flood event by modifying the behaviour of people during a flood event)

The Dobroyd Canal and Hawthorne Canal Flood Risk Management Study and Plan identifies 13 key areas across the two catchments, termed "hot spots", and analyses a number of flood modification measures in these areas to reduce the depth and velocity of flood waters. Further discussion is made within the report of property modification measures and emergency response measures associated with flooding, and mitigation of the amount of flooding at or through properties.

As a means of directly incorporating the non-economic social and environmental values held by stakeholders into the analysis and prioritisation of the flood management alternatives, all of the viable flood risk management options (property modification, emergency response and flood modification) were assessed using a Multi-Criteria Assessment. Input from the Committee in development of the Multi Criteria Assessment system was previously sought as part of the Leichhardt Flood Risk Management Study and Plan. For general consistency of assessment and outcomes, this Multi Criteria Assessment system was used to assess the options and guide the preparation of the Dobroyd Canal and Hawthorne Canal Flood Risk Management Study and Plan.

The draft Dobroyd Canal and Hawthorne Canal Flood Risk Management Study and Plan was provided in soft copy to the Flood Management Advisory Committee in mid-March 2019. The

Committee were asked to review the draft prior to this meeting. The Committee are now asked to recommend the draft Dobroyd Canal and Hawthorne Canal Flood Risk Management Study and Plan to Council for community engagement in June/July 2019.

**FINANCIAL IMPLICATIONS**

The draft report recommends five infrastructure upgrade projects at a total cost of \$17.2 million.

**PUBLIC CONSULTATION**

The draft Dobroyd Canal and Hawthorne Canal Flood Risk Management Study and Plan will be available to the community during the exhibition period via Council's website, at Council's Customer Service Centres and at Council's public libraries in Ashfield, Dulwich Hill, Haberfield, Leichhardt and Marrickville. A number of community information sessions will also be held where the community will be able to speak directly with Council and WMA staff. Council will seek feedback from the local community during the exhibition period before the final Flood Risk Management Study and Plan is completed.

Following the community engagement, it is proposed to present any submissions and final Dobroyd Canal and Hawthorne Canal Flood Risk Management Study and Plan to the Flood Management Advisory Committee in August/September 2019. It is intended that the Dobroyd Canal and Hawthorne Canal Flood Risk Management Study and Plan will then be presented to Council for adoption in September 2019.

**ATTACHMENTS**

Nil.