



NOTICE OF MEETING

NOTICE IS HEREBY GIVEN that a meeting of the **MANLY LAGOON CATCHMENT CO-ORDINATING COMMITTEE** will be held:

DATE: Thursday 31 July 2014
TIME: 5.00pm
PLACE: Councillors' Room, Manly Council Chambers

Members of the Committee, namely:

Citizen Members:

Councillor, Mayor Jean Hay AM	Manly Council
Councillor Hugh Burns	Manly Council (Chairperson)
Councillor Candy Bingham	Manly Council
Dr Judy Lambert	Manly Community Representative
Mr Terrence Murphy	Manly Community Representative
Ms Megan Clancy	Manly Chamber of Commerce
Councillor, Mayor Michael Regan	Warringah Council
Councillor Sue Heins	Warringah Council
Ms Helen Wilkins	Warringah Community Representative
Mr Frank Gleason	Warringah Community Representative
Mr Richard Cox	Warringah Chamber of Commerce & Industry Inc.
Mr Brian Murphy	Warringah Mall Management
Mr Mike Baird MP	State Member for Manly (Mr Tom Hazell – Proxy)
Mr Mark Roberts	Manly Lagoon Committee
Mr Chris Barry	Save Manly Dam Catchment Committee
Mr Michael Bradbery	Manly, Balgowlah, Wakehurst, Warringah Golf Clubs

State Government Representatives:

Mr Stan Rees	Dept. of Trade and Investment - Crown Lands
Mr Gus Pelosi	Office of Environment and Heritage
Mr Marcel Green	Dept. of Primary Industries - Fisheries
Mr Norm Nikolich	Sydney Water
Mr Mark Simpson	NSW State Emergency Services – Manly Unit
Mr Tony Pinelli / Mr Wayne Lyne	NSW State Emergency Services

Manly Staff Representatives:

Mr Ed McPeake	Manager – Environmental Programs
Mrs Christina Femia	Water Cycle Management Team Leader
Mr Patrick Stuart	Catchments Project Officer

Warringah Staff Representatives:

Mr Todd Dickinson	Natural Environment Unit Manager
Mr Adrian Turnbull	Environment Strategy Manager
Mr Jason Ruszczyk	Environment Officer - Catchment

are requested to be in attendance. **Apologies:** Committee Secretariat on 9976 1591 or secretariat@manly.nsw.gov.au.

Stephen Clements

Deputy General Manager, Manly Council



MEETING TO BE HELD ON 31st JULY, 2014 AT 5PM
MANLY COUNCIL CHAMBERS

Manly Council will undertake the administration of the Manly Lagoon Catchment Coordinating Committee (MLCCC) for a twelve (12) month period from July 2014 to July 2015. Councillor Burns has been appointed Chair of the MLCCC for this period.

ITEM 7 Update on Manly Lagoon Floodplain Risk Management Study and Plan

Submitted by Warringah Council

Warringah Council applied to the Office of Environment and Heritage for grant funding to undertake the Manly Lagoon Floodplain Risk Management Study and Plan in March 2013. Grant funding was offered to Council in late January 2014, which has delayed the expected planning and preparation of the project. Warringah Council will draft the technical brief in conjunction with Manly Council, and expect to engage a consultant in February 2015.

ITEM 8 Sediment, Weeds and pollutants deposited in Manly Golf Course from Manly Lagoon Catchment

Submitted by Manly Council (at the request of Manly Golf Course)

See Attachment 2 – Letter from Manly Golf Course to Manly Council, dated June 28th 2014. Re: The quantity of sand, other sediment, weeds and pollutants entering the golf course from Burnt Bridge Creek, Cemetery Creek and LM Graham Reserve/Fairlight Hill and its adverse impact on the creeks riparian zones created.

ITEM 9 Manly West Park Sediment Basin

Submitted by Manly Council

An update on the Manly West Park Burnt Bridge Creek sediment basin project will be provided.

ITEM 10 Addiscombe Road Contaminated Site

Submitted by Tom Hazell (on behalf of the State Member for Manly)

Discussion on the Remediation of the Addiscombe Road Contaminated Site, including the current situation, progress and plans for the site.

ITEM 11 Proposal for a Wildlife Corridor along Manly Creek

Submitted by Malcolm Fisher

(on behalf of Save Manly Dam Catchment Committee Representative)

A Wildlife Corridor along Manly Creek to Manly Dam has been proposed in Warringah Council's District Park Plan of Management – Draft Strategic Directions Paper. The Save Manly Dam Catchment Committee Representative would like to encourage the MLCCC to show support and endorsement for the proposal.

See <http://yoursaywarringah.com.au/districtparkpom> for the District Park Plan of Management – Draft Strategic Directions Paper (Refer to page 11 – Proposed Strategic Opportunities - Healthy Environment)

See <http://thegreenmanly.blogspot.com.au/2014/03/a-vision-splendid-for-manly-creek.html> for a Blog article by Malcolm Fisher on Manly Creek and remnant bushland adjacent to Mermaid Pool.

ITEM 12 Update from Sydney Water
Submitted by Norm Nikolich

See Attachment 3 - Update from Sydney Water

ITEM13 General Business brought to the Attention of the Chair Prior to the Meeting and Approved for Consideration

ITEM 14 Dates for Next Meetings:

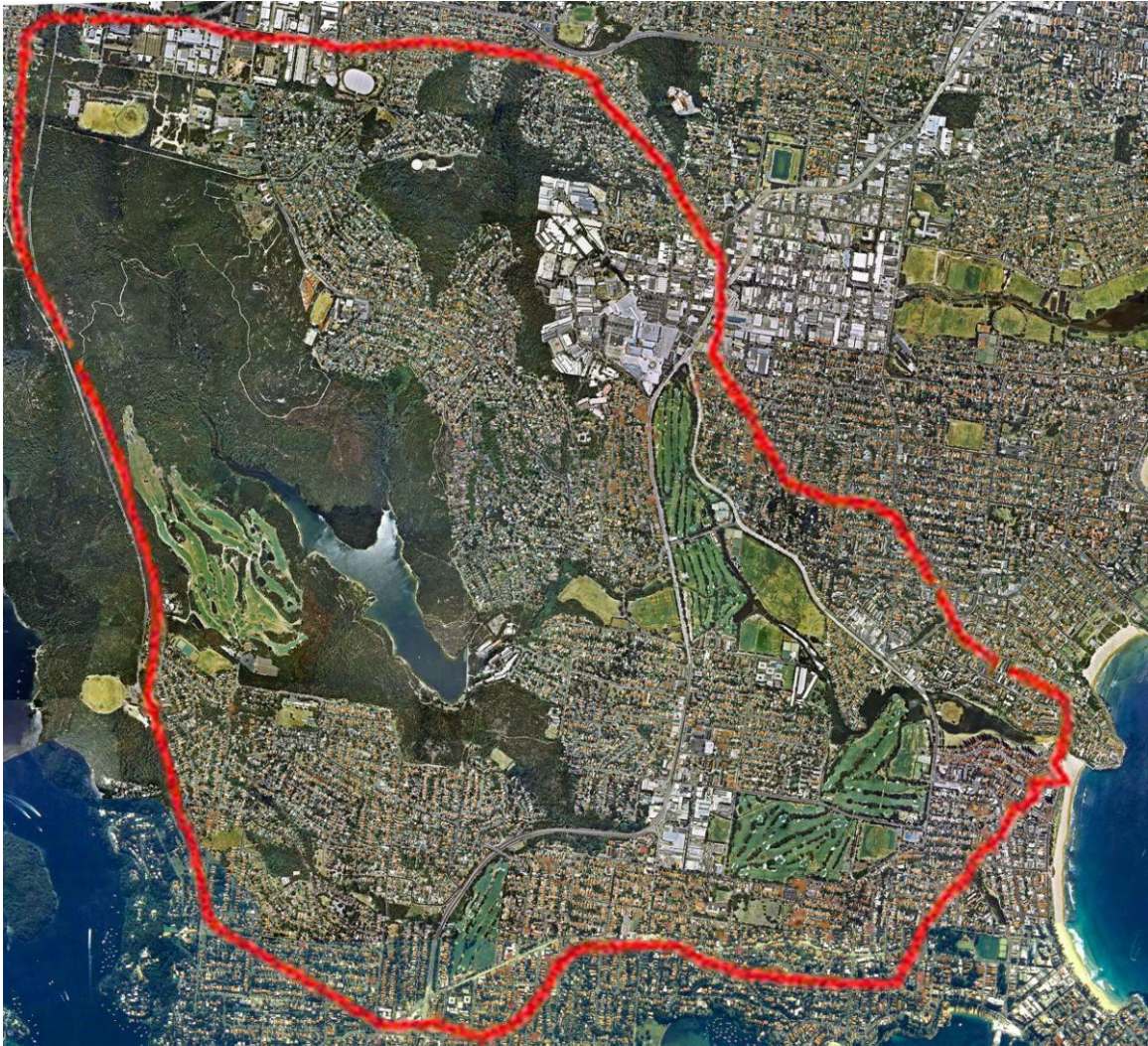
Thursday 30th October 2014

Thursday 29th January 2015

Thursday 30th April 2015

Attachment 1 – Indicative Map showing the extent of Manly Lagoon Catchment.

The catchment draining to Manly Lagoon is approximately 18 square kilometres, and includes the suburbs of Balgowlah, North Balgowlah, Allambie Heights, Manly Vale, North Manly, Queenscliff, or parts thereof, as well as Manly Dam, four Golf Courses, and Warringah Mall.



Attachment 2 – Letter from Manly Golf Course to Manly Council, dated June 28th 2014.

MANLY
GOLF CLUB



Ed McPeake
Manager Environmental Programs
Manly Council
Belgrave Street
Manly 2095



June 28th 2014.

Re: The quantity of sand, other sediment, weeds and pollutants entering the golf course from Burnt Bridge Creek, Cemetery Creek and Graham Reserve/ Fairlight Hill and its adverse impact on the creeks and riparian zones created.

Dear Mr McPeake,

Recently Michael Bradbery, Manly Golf Course Superintendent, and I met with Staff members of Manly Council to discuss the matter of accumulated sediment on the golf course from the upstream catchment.

As you may be aware Council, via conditions within the development consent, requires Manly Golf Club (MGC) to manage the removal of sediments deposited in MGC waterways from the approximate 460 hectare catchment. Prior to the redevelopment of MGC the majority of this sediment, weeds and pollutants were not captured within the MGC waterways and therefore collected within the Manly Lagoon.

Along with the sediment removal responsibility accepted by MGC, the Club was also required to plant out the riparian zones to Council and DECCW requirements. During the redevelopment 250,000 native plants from 61 species, including the endangered Swamp Oak Floodplain Forest community, were planted and are under regular maintenance. Regardless of the eroded and weed infested nature of the upper catchment, which flows into the golf course, the Club has to date been able to sustain the dominance and establishment of the native species to DECCW approval. The habitat created has seen a dramatic increase in bird life, particularly small and ground dwelling species, and therefore is a great asset for the lagoon and surrounding community.

To Quote Geoff Sainty, leading wetland consultant, of Sainty and Associates;

"Wetlands at Manly Golf Course. *During my visit on 15/5/14 I was also shown the Manly Course, with a focus on the wetlands. I have visited this course (professionally looking at wetlands) a number of times in the last 25 years and was impressed by the improvements.*

Given the degree of difficulty the course faces, dealing with a highly contaminating catchment, and the problem of saline water variably flowing into the streams, potential acid sulphate soil and flatness, the improvements to the streams are outstanding. The edge vegetation of the streams and the variable nature of the planting leads me to conclude it is without peer in golf courses situated on an estuary. It is a credit to Manly Course Management and field staff that the work has been done—the only similar high standard that I am aware of is Gough Whitlam Park on the tidal Cooks River.

Manly Golf Course has not only to deal with dense urban catchment contamination, but receives highly contaminated water from high traffic roads. It is in fact a major treatment system, protecting to a significant extent the ecology of the highly challenged Manly Lagoon estuary”.

However what has been created cannot be sustained with the current level of sedimentation and organic deposits taking place.

The Club also took over the maintenance of the GPT on Balgowlah road as another condition of the development consent. This is being monitored and serviced regularly to minimise the sediment and floating debris entering from the “Cemetery Creek catchment”. The costs incurred with maintaining the GPT, man hours to manage weed control coming from the catchment, rubbish removal and disposal after floods, costs in excess of \$100,000 per annum.

The major issue facing the Club and the survival of the riparian zones, is the amount of sediment and organic debris being deposited within the clubs waterways from the Council’s stormwater infrastructure. Without interception before it reaches the Lagoon or assistance with its removal and disposal, the Club will not be able to sustain this maintenance due to the significant financial burden. As you would be aware efficient removal of sediment once it has reached the Lagoon is not possible. Capture further up the catchment is necessary.

The Club is hopeful the funding to construct a sediment basin in Manly West Park, along with regular cleaning, can greatly reduce the loads in Burnt Bridge Creek. Intercepting this material before it is submerged in the lagoon or smothering the riparian plants is critical to sustaining these native areas. A GPT is also required on the pipeline under Graham Reserve to remove sediment and debris before it reaches the lagoon from the Fairlight Hill Catchment. Currently this creek has the poorest water quality due to the amount of sediment and organic debris being deposited from Fairlight Hill. This is now presenting offensive odours and some health issues for members and staff, due to frequent algal outbreaks.

With the new sediment basin on Burnt Bridge Creek, the GPT installed and maintained by the Club on Balgowlah Road and a new GPT in Graham Reserve, this would provide treatment for approximately 450 hectares of the Manly Lagoon Catchment. This is surely a requirement with sediment deposits in the Lagoon seen as the single biggest threat to its health.

Once again removing this material once submerged in the creek systems is very inefficient and requires substantial damage to the DECCW required riparian zones. Graham Reserve appears an ideal location to install a GPT which can be easily accessed for maintenance before sediment reaches the Lagoon. Provision of the GPT could be included in the Graham Reserve Plan of Management.

The Club request Manly Council commit to the installation of a GPT on the Fairlight Hill catchment. This would greatly benefit habitats of the riparian zones currently created however without intervention would appear to be unsustainable.

The Club also requires assistance with the massive cost of removal and disposal of the approximate 1000 cubic metres of sediment already deposited in the three creeks. We request Council assist with the disposal or reuse of this material, with MGC covering the cost of its removal.

The Club has invested in excess of \$10million into the new golf course, a considerable portion of which went into creating another 7000m² of aquatic habitat, planting 250,000 native plants and capturing and treating stormwater. These benefits extend beyond the boundaries of the golf course. Servicing the finance for this work while maintaining the Clubs heritage clubhouse and 40 hectares of green space, demands considerable costs. Adding an annual 6 figure cost to remove sediment deposited by the rate payers and landowners in the 450 hectares above the golf course is considered neither fair nor feasible.

The figures below are an example of what the Club receives from the catchment on its way to the Lagoon. The majority of these materials can be effectively and efficiently captured by well-designed measures incorporated in the upstream catchment.



Fig. 1 Typical floating organic matter and manmade rubbish after a storm event.



Fig. 2 Debris, sediment and weeds that smother the riparian zones and fairways regularly.

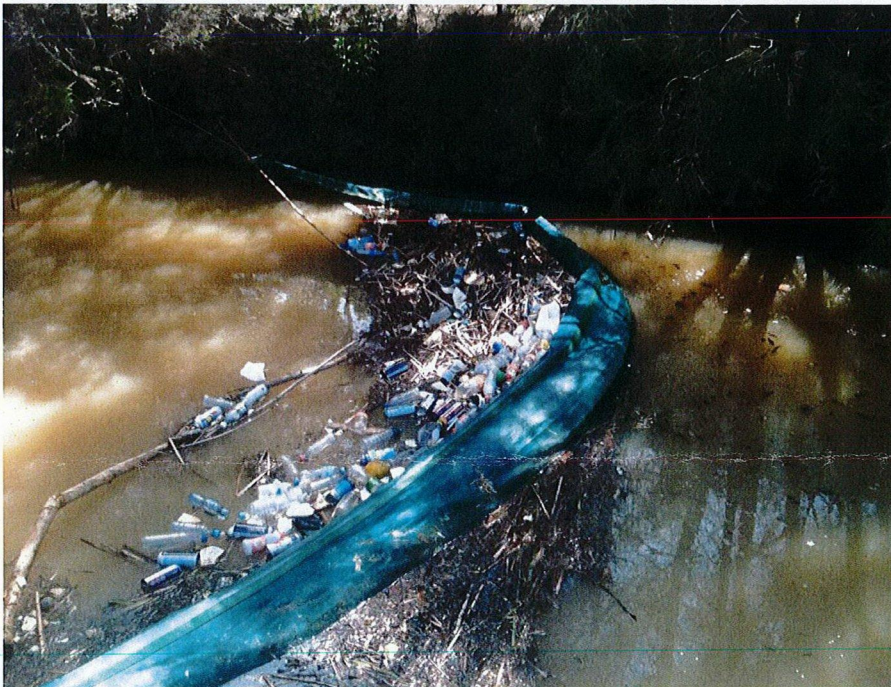


Fig. 3 The Boom serviced by the Club on Burnt Bridge Creek as it emerges from the culverts at Addiscombe road.



Fig. 4 Regular floating rubbish removal by MGC staff



Fig. 5 Rubbish removal at bridges



Fig. 6 Typical material removed on regular basis.



Fig. 7 GPT Cleaning Balgowlah Road by MGC.



Fig. 8 Sediment and Organic Matter accumulation from Fairlight Hill catchment



Fig. 9 Algal blooms from the high nutrient loads from the untreated 30 hectare catchment Fairlight Hill catchment.

ACN 000 007 465 ABN 18 000 007 465

38 Balgowlah Rd, Manly NSW 2095 PO Box 166, Manly NSW 1655

Ph: (02) 9948 0256 Fax: (02) 9948 3325 Golf Shop: (02) 9907 9553

Email: administrator@manlygolf.com.au www.manlygolf.com.au



Fig. 10 Sediment Accumulation Burnt Bridge Creek.



Fig. 11 Sediment from Burnt Bridge Creek catchment

As you can see by the above images the sediment accumulation is significant. The collection of garbage and pollutants is also of major concern. We understand MGC must play a role in maintaining the creeks running through the Clubs property, this is evidenced by the condition of the creeks considering the pollutants and debris the club has received over the past 18 months.

Therefore I request a meeting with Council to discuss an integrated and equitable approach to catchment management for the benefit of Lagoon ecology.

Could I also ask that a copy of this letter is tabled to the Manly Lagoon Catchment Coordinating Committee.

I look forward to your reply.

Yours sincerely,

NIGEL GIBSON
General Manager

Attachment 3 - Update from Sydney Water



Sydney Water update – July 2014

North Head Wastewater Treatment Plant (WWTP)

Sydney Water has two projects at North Head WWTP that will help manage odour:

- replacing the Northern Suburbs Ocean Outfall Sewer (NSOOS) scrubber
- adding an extra cogeneration plant.

Replacing odour scrubber

Sydney Water is replacing the NSOOS scrubber at North Head WWTP with bio-trickling filters. The scrubber treats air from the NSOOS and underground screenings area of the plant. To date we have demolished a dis-used building to make way for the new equipment and started excavating and removing rock.

We expect to start concrete work for the Bio-trickling Filters (BTFs) in July.

We have informed local residents about the work and let them know they may notice:

- truck movements for deliveries of steel reinforcement and concrete
- noise from excavation activities.

Working hours are 7am to 6pm weekdays.

Adding an extra cogeneration plant

We have awarded a contract to increase the plant's cogeneration capacity. This means North Head WWTP will be able to generate up to 68 per cent of its dry weather electricity needs.

The new cogeneration plant was delivered in March and is being installed. We will commission the plant from mid-2014. The additional facility will increase the North Head WWTP's ability to produce power to over 3.4 megawatts and will help 'offset' the energy needs of the new scrubber. It will also help reduce odour by turning more methane into power.

Community tour

Twenty-eight people attended a community tour at North Head WWTP on 17 May 2014. Overall feedback was very positive.

Narrabeen Wastewater Submain Project

Since August 2013, Sydney Water's contractor, Water Infrastructure Group (WI Group) has been repairing a large wastewater pipe known as the Narrabeen Submain. Repair work has been completed in North Manly, Collaroy, Cromer and North Curl Curl. Work is still being done in Brookvale, Manly Vale and Balgowlah.

Close to 3.9 kilometres of pipe is being repaired and the maintenance holes are up to 33 metres deep. This work will improve the wastewater system and involves:

- cleaning and preparing internal concrete surfaces
- removing and disposing of silt and debris
- installing a structural liner inside the pipe

- building new maintenance holes.

To date our contractor has:

- cleaned and relined 1498 metres of wastewater pipe
- repaired 14 deep maintenance holes along the pipeline
- removed about 240 tonnes of silt.

Work is complete in Warringah Mall and the Winbourne Industrial Estate, while repairs continue in Warringah Golf Course. A new maintenance hole has been drilled in the Coles car park in Koorala Street, Manly Vale and should be fitted out in July. Another maintenance hole will be built in the golf course.

Affected stakeholders and residents have been consulted throughout our work. Controls are in place to minimise impacts on residents and businesses.

Work is mostly done at night when wastewater flows in the pipe are at their lowest level. Night work hours are Sunday to Friday, 10 pm to 8 am. Deliveries and some minor work is taking place during the day between 7 am and 5 pm, Monday to Friday. Work is expected to be completed in November 2014, weather permitting.

For more information visit sydneywater.com.au under Current projects.

Dee Why Wastewater Pumping Station

Sydney Water's contractor, Abergeldie, is upgrading the wastewater pumping station at the end of Clarence Avenue, Dee Why. This work is part of the SewerFix Program to improve the wastewater system and protect public health and the environment.

Work is planned to start at the Dee Why wastewater pumping station in mid July 2014. The work will take about six weeks to complete, weather permitting.

Work hours are 7 am to 6 pm Monday to Friday and 8 am to 1 pm on Saturdays if required.

The work involves:

- setting up site activities at the pumping station
- managing wastewater flows during work including the use of temporary pumps and generators
- upgrading the mechanical equipment within the pumping station to increase its reliability and performance.

We have notified the local MP, Warringah Council and residents and are talking with Friends of Dee Why lagoon.

We will keep local residents informed about the work and do not expect any interruptions to their service.

