Date: Wednesday 20 May 2020
Time: 10.02am
Meeting Room: This meeting will proceed via Skype for Business.
Venue: Either a recording or written summary will be uploaded on the Auckland Council website

Kaipātiki Local Board

OPEN MINUTE ITEM ATTACHMENTS

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<th>PAGE</th>
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<tr>
<td>8.1</td>
<td>Renewal of Little Shoal Bay Parks and Reserves</td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. 20 May 2020 - Kaipātiki Local Board Business Meeting - Little Shoal Bay Renewal Working Group presentation</td>
<td>3</td>
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<tr>
<td>17</td>
<td>Kaipatiki Local Board Chairperson’s Report</td>
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Note: The attachments contained within this document are for consideration and should not be construed as Council policy unless and until adopted. Should Councillors require further information relating to any reports, please contact the relevant manager, Chairperson or Deputy Chairperson.
LITTLE SHOAL BAY RENEWAL

LITTLE SHOAL BAY RENEWAL ACTION GROUP
JOHN BREW, ADRIAN MEYS, ANDREW OSBORN

20 MAY 2020
The LSB Renewal Working Group was set up to represent the views of the following organizations and people:

- Birkenhead Residents Association Inc
- Little Shoal Bay Protection Society
- Northcote Residents Association Soc
- Birkenhead Cricket Club
- Northcote Sea Scouts
- Tonga Methodist Church of Northcote
- Northcote Bowling Club

The Working Group also has the support of:
- Dan Bidois - National Party Member of Parliament for Northcote
- Shannan Halbert - Labour Party candidate for Northcote

We have based our submission on the following reference documents:
- Little Shoal Bay and Le Roys Bush Reserves – Management Plan and its amendments
- Morphum Environmental Report 2012
- Morphum Environmental Report 2018
- Healthy Waters presentation to Kaipataka Local Board June 2019
Attachment A

Item 8.1
OVERVIEW

Little Shool Bay particularly the Wetlands and Dudling Park have been significantly degraded through 30 years of poor management and experimentation.

The area combines wetlands, sports, coastal and recreational facilities combining with Le Roy’s Bush, Scouting, Boating and Bowling.

Services a large and growing Multicultural Community over a wide range of activities events and General recreation. It is the Lung of the community and it’s dying.

A Retreat option being promoted is not acceptable to the community. Mitigation of current issues needs to be addressed.

A working Group has been set up to bring together key stakeholders in the community to investigate and present options for recovery – this has also been acknowledged as a priority for the Local Board.
APPROACH

- Identify key issues and develop Vision as to outcome
- Stop inundation of salt water into the Little Shoal Bay reserve and wetlands
- Return the wetlands to a fresh water environment and rebuild the degraded native fauna and flora,
- Restore Dudding Park and Rods Island to a valued recreational state

Little Shoal Bay Renewal Programme

20 May 2020
IDENTIFYING THE PROBLEM

The reserve in Little Shaul Bay is being damaged by seawater back-flooding up the two outlets/outfalls that were designed to drain rainwater out of the catchment. That seawater inundation is largely a lack of management and maintenance – to prevent the back flooding the bypass culvert HAD A TIDAL GATE AND THE PRIMARY OUTFLOW PIPE HAD A TIDAL FLAP. Both were installed with back flooding mechanisms that have been subsequently removed and not replaced.

Even though the current damage in the reserve has not been caused by sea-level rise we do expect that the reserve will be adversely affected by climate change and sea-level rise in the future, we have planned for that in our proposed redesign of the seawall and outlets.

It is a myth that the current problem is the result of climate change and sea level rise. In fact all the current damage in the reserve has been caused by seawater coming in through these two outlets (the king tide is only goes as high as the top of the seawall). No seawater would have entered the reserve if the flap and tidal gate had been maintained to prevent the back flow of seawater.

One other cause of the damage in the reserve which is often overlooked is that all the land behind the seawall is un-engineered fill. The inundation of seawater has significantly degraded and destabilized that fill, killing the tree roots and causing the land to slump allowing even more seawater inundation.
LITTLE SHOAL BAY RENEWALS PROJECT
SCHEMATIC SHOWING APPROX. RELATIVE HEIGHTS OF CULVERT AND CHANNEL WITH RESPECT TO TYPICAL TIDAL EVENTS

Viewed facing the sea

Attachment A
Item 8.1
THE PROPOSAL

Attachment A

Item 8.1

The proposal for additional measures to improve the local waterway includes the following actions:

- Review and update guidelines on native fish and macroinvertebrate management
- Establish and maintain fish and macroinvertebrate habitat
- Develop and implement a fish and macroinvertebrate management plan
- Implement water quality monitoring and reporting

These actions are designed to enhance the health and diversity of the local waterway, supporting the local ecosystem and providing recreational opportunities for the community.
## Indicative cost range for Little Shoal Bay renewal project

This is an order of magnitude estimate only, no design work has been done and the scope has not been finalised.

<table>
<thead>
<tr>
<th>YEAR</th>
<th>ITEM DESCRIPTION</th>
<th>Estimate Costs ($K)</th>
<th>Estimate Costs ($K)</th>
<th>COST TO</th>
<th>COMMENTS / NOTES</th>
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<td></td>
<td></td>
<td>1</td>
<td>2</td>
<td></td>
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<tr>
<td>1</td>
<td>Priority 1A  - Construction FY 2020/21 year</td>
<td>125</td>
<td>125</td>
<td></td>
<td>As recommended in the Morpum report - see page 2 of the 2018 Morpum report.</td>
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<tr>
<td>1</td>
<td></td>
<td>Total Gate in the Culvert WITH a fish passage</td>
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<td></td>
<td></td>
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<tr>
<td>1</td>
<td>Priority 1B  - Construction FY 2020/21 year</td>
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<td>-</td>
<td></td>
<td>In order to make the Culvert the main exit point of stormwater flows out of the catchment.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Off install slow-outfall with a flap over the pipe exit (no fish passage)</td>
<td>40</td>
<td></td>
<td>No fish passage is included.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>together with a non-permeable wall in the inlet channel to the Duffail Pipe</td>
<td>60</td>
<td></td>
<td>Note that in the options above the fish passage (as recommended in the Morpum report) is now provided within the Culvert which is now the location of most of the stormwater flows out of the wetland.</td>
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<td></td>
<td></td>
<td><strong>128</strong></td>
<td><strong>125</strong></td>
<td>**</td>
<td>Year One range of estimates</td>
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<td>Priority 1C  - Construction FY 2021/22</td>
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<td>60</td>
<td></td>
<td>Assumes free fill and design to be compacted earth with cement binding and a stone pitched flute.</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>A 30 centimeter embankment along the seawall (including the closure of the bay/yard ramps) and along both sides of the Culvert</td>
<td></td>
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<tr>
<td>2</td>
<td></td>
<td>Landscaping and seating along the foreshore embankment</td>
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<td>1</td>
<td>Year Two range of estimates</td>
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<td><strong>65</strong></td>
<td><strong>65</strong></td>
<td>**</td>
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<tr>
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<td>Priority 3 - Construction FY 2021/23</td>
<td>30</td>
<td>30</td>
<td></td>
<td>See the Brink Reserve Plate Water as recommended in the Morpum Report (p.51) and figure 35 (photo on p.38 and p.51)</td>
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<tr>
<td></td>
<td></td>
<td>Removal of groyes to front’s island and consolidation of Plate Water in their place</td>
<td></td>
<td></td>
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<tr>
<td>3</td>
<td></td>
<td>Embankment perimeter around Budding Park</td>
<td>25</td>
<td>25</td>
<td>Earth embankment to be followed up with suitable planting.</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Replanting the perimeter of Budding Park and Rods Island</td>
<td>3</td>
<td>3</td>
<td>Planting using Le Roy’s Bush Management volunteers</td>
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<tr>
<td></td>
<td></td>
<td><strong>78</strong></td>
<td><strong>78</strong></td>
<td>**</td>
<td>Year Three estimate</td>
</tr>
<tr>
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<td>Priority 4 - Construction FY 2023/24</td>
<td>60</td>
<td>60</td>
<td></td>
<td>Repays poorly placed across stream at two points</td>
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<tr>
<td>4</td>
<td></td>
<td>Two weirs to ‘trough’ the channels around Budding Park</td>
<td></td>
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<tr>
<td>4</td>
<td></td>
<td>Replanting the perimeter of Budding Park and Rods Island</td>
<td>3</td>
<td>3</td>
<td>Re-planting using Le Roy’s Bush Management volunteers</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>63</strong></td>
<td><strong>63</strong></td>
<td>**</td>
<td>Year Four estimate</td>
</tr>
</tbody>
</table>

**Stage Five – In the future as required**

Build a groyene midway along the seawall to stop the long-shore drift of sand to allow the beach to self-nourish.

Rise and level Budding Park

**Total net project estimate** 394 018
COST OF DOING NOTHING

THERE ARE SIGNIFICANT COSTS ASSOCIATED WITH RETREATING OR THE STATUS QUO:

• ROAD WILL NEED TO BE CLOSED OR RAISED BY APPROXIMATELY ONE METER.
• KEY SERVICES CURRENT WILL NEED TO BE RELOCATED.
• TRUNK SEWER MAIN ACROSS WETLAND WILL DEGRADE AND REQUIRE REPLACEMENT OR RESTATIVIZATION.
• WILL BE SIGNIFICANT LOSS OF PUBLIC AMENITIES – SPORTS AND ACCESS TO LE ROYS BUSH RESERVE TRACK SYSTEM.
• TOXINS AND PCB'S FROM GASWORKS SITE WILL NEED TO BE REMOVED OR THEY WILL BE REMOVED AND RELEASED INTO LITTLE SHOAL BAY.
• DECADES OF SEWAGE OVERFLOWS THAT HAVE BEEN TRAPPED BY WETLANDS WILL BE RELEASED AND DISCHARGED INTO LITTLE SHOAL BAY.
• BOWLING CLUB AND SCOUT DEN WILL NEED TO BE RELOCATED

WE BELIEVE THE COST OF DOING NOTHING WILL BE MORE THAN THE COST OF RENEWAL AND PROTECTING THESE ASSETS

Little Shoal Bay Renewal Programme

20 May 2020
based around a staged 3 to 4-year - project year 1 includes.

initial Geo Spatial Survey to establish

- Relevant levels across the reserve and wetland
- Calculate the Max storm event flows
- Concept design of seawall
- Redesign of open channel, tidal gate and proposed design and costs
- Plan and schedule
- Cost estimates based on the concept design

Little Shal Bay Renewal Programme
NOW A CRITICAL AND PIVOTAL POINT FOR THE FUTURE OF THE PARKS AND RESERVES IN LITTLE SHOAL BAY.

IT NEEDS YOUR URGENT SUPPORT.
THANKS FOR YOUR TIME

QUESTIONS?
January 2018
Attachment A

Figure 35: Concept Adjustable Plate Weir and Boardwalk to replace pipes at Rods Island

Figure 36: Brylee Reserve Weir and Boardwalk as-built 2018 provides an example for Rods Island renewal.
Figure 42: Example of a larger style tidal culvert ACE Modified Tide Gate.
Figure 41: Diagram of an ACE Modified Tide Gate with fish flap

Attachment A

Item 8.1
KAIPĀTIKI LOCAL BOARD CHAIRPERSON’S REPORT
JOHN GILLON - MAY 2020

Kaipātiki Under Lockdown

What an unusual time we’ve been through! Along with the rest of the country, the Kaipātiki area has been through an unprecedented lockdown to prevent the spread of the COVID-19 virus. Businesses, schools, community centres, leisure facilities, playgrounds and more have all been closed.

While this has taken a hefty toll on many families and businesses, there were a number of positives and heart-warming stories along the way.

One of the positives was the number of people out walking, cycling and exploring their local streets and parks. This was matched by a significant decrease in the number of vehicles on the road.

Community spirit was kept alive through the “Teddy Bear Hunt” teddies and other creatures in windows and letterboxes, as well as messages on fences and chalk drawings on footpaths. Easter and ANZAC Day were also celebrated through messages, and pictures of Easter eggs and poppies.
Online Meetings

The Kaipātiki Local Board cancelled its April meeting, but board members have continued to meet online during the lockdown to discuss issues. I’ve also been attending various online COVID-19 and budget meetings with my fellow Local Board chairs and councillors.

Last week we held our first all-virtual Kaipātiki Local Board business meeting and a recording of it can be found here: https://www.aucklandcouncil.govt.nz/about-auckland-council/how-auckland-council-works/meetings-council-bodies/Pages/webcasts-council-meetings.aspx (today’s meeting will also be posted there).

Many community groups have continued to hold virtual meetings, and Local Board members have been attending where possible.

Recently Local Board members were invited to participate in an online live stream to discuss community and local life in lockdown. The stream was hosted by Birkdale Beach Haven Community Project chairperson Shanan Halbert, and the Local Board members who participated were Cindy Schmidt, Paula Gillon, Andrew Shaw, Adrian Tyler and Melanie Kenrick.
Watch online here: https://www.facebook.com/BirkdaleBeachHaven/videos/679070853282604/
ANZAC Day 2020

Unfortunately our three ANZAC Day services were cancelled as a precaution against spreading the COVID-19 virus. But it was inspiring to see the community put poppies and drawings in their windows and on fences in the lead up to ANZAC Day, and then stand at the end of their driveways at dawn on ANZAC Day.
Thankyou to the Birkdale Beach Haven Community Project for hosting an online ANZAC Day live stream with many local community leaders sharing stories and messages. I participated on behalf of the Kaipātiki Local Board, and read a list of the fallen soldiers from the First World War:

Part 2: https://www.facebook.com/BirkdaleBeachHaven/videos/167608084515612/

Facilities Under Alert Level 2

We are currently in Alert Level 2 and many businesses, schools and community centres have re-opened. Auckland Council has opened all Kauri Kids, while staggering the opening of Libraries and Leisure Centres. All pools are remaining closed for now due to the water shortage.

Libraries:

- Northcote Library: Open from Wednesday 20 May
- Birkenhead Library: Opening date to be confirmed
- Glenfield Library: Opening date to be confirmed

Leisure Centres:

- Glenfield Leisure Centre (fitness only): Open from Thursday 21 May
- ActivZone: Opening date to be confirmed
- Beach Haven Sports Centre: Opening date to be confirmed
- Birkenhead Leisure Centre: Opening date to be confirmed

Early Childhood Centres:

- Birkdale Kauri Kids: Open from Monday 18 May
- Beach Haven Kauri Kids: Open from Monday 18 May
- Glenfield Leisure Centre Kauri Kids: Open from Monday 18 May
Other:
- Northcote War Memorial Hall: Opening date to be confirmed
- Birkenhead Council Service Centre: Opening date to be confirmed
- Glenfield Council Service Centre: Opening date to be confirmed
- Kaipatiki Local Board offices: Opening date to be confirmed

Projects Back Under Way

Under Alert Level 2, some capital projects are able to get back underway, but with protocols in place to prevent viral transmission. Here are a few of them:

Le Roy’s Bush Reserve Track Upgrade – Stage 2

Stage 2 of the Le Roy’s Bush Reserve track upgrade picks up where stage 1 finished and work will continue in stages until late-August. A helicopter is being used to drop in materials.

The tracks from Dudding Sportsfield to the end of the new boardwalk that was built in stage 1 (see highlighted area on the attached map: S12, S14) and the track from Fairfax Ave (S13) will be closed until work is completed at the end of June.

When that has been completed, the tracks from Dudding Sportsfield to Wilding Ave (S16, S17, S18, S19) will be closed for work until approximately the end of July. The track from Onewa Road (S2) will be worked on in July or August.
Portsea Reserve Playground Renewal

Work is currently underway to build a new playground, pathway, low fence, shade sail and plantings at Portsea Reserve, Chatswood. Work is due to be completed in mid-June.
Vandeur Reserve Playground Renewal

Work is currently underway to build a new playground and new pathways at Vandeur Reserve, Birkdale. For safety reasons, access to the park is blocked at both the Vandeur Ave and Verbena Road entrances. Work is due to be completed in mid-June.

Note: If additional budget is allocated at today’s business meeting, the path from Verbena Road will be renewed as part of this project.
Kaipātiki Project – Relocation of Nursery and Rebuild of 17 Lauderdale Road Building

Work has begun on relocating the nursery prior to the deconstruction and rebuild of the building. Pads have been installed for two storage containers on the nursery site.

*Photo credit: Kaipatiki Project.*