

Purpose of Meeting:	Stakeholder Meeting 1		
Project:	NSCC WNSIP	Project No:	AE02255
Place of Meeting:	Onepoto Domain	Date of Meeting:	10 June 2009
Present:	Carol Berquist Richard Plinston Mike Bluck – Waterworks Bob Wallace	Mohammed Sahim-Razak Kusuma Gunawardane Sarah Sinclair John McKellar	
Apologies	Ian Wiseman		
Distribution	As above,		

Item	Action	Date
<p>Introductions and Objective of Meeting</p> <p>To discuss current problems and potential solutions, which will be tabled to the Community Board in September. NSCC are particularly interested in whether an area can be found to either dry sediment or raise/fill permanently.</p>		
<p>Onepoto Lagoon Coordination Committee</p> <p>Established to coordinate the yachting groups on the pond. The clubs have been looking after the pond for 10-12 years – the committee has been formally established for a few years.</p> <p>Data is available on the yachting website, and on the Waicare website (under Eastern Stormwater). The committee will forward a copy of the latest report.</p> <p><i>Post meeting note: Carol forwarded reports and website links.</i></p>	Committ ee	
<p>Discussion of Pond Management</p> <p>The committee manage weed growth in the pond by operating the lock gates to increase salinity and kill weed. Salinity in the ponds is (specific gravity) 1.010 to 1.020. Salinity in the estuary is 1.027. The salt water seems to prevent blue green algae, so there are no problems with avian botulism.</p> <p>RP noted that the pond is below high tide level – it can only drain at certain stages of the tide, so pond level can vary substantially with rainfall – there are photos of pond level to the picnic bench seat.</p> <p>As the lock gates are only operated at certain times, there is not believed to be any silt entering from the estuary, although occasionally fish come in by accident, and small amounts of seaweed (which don't thrive in the pond).</p> <p>The committee also try to flush out on a northerly wind, but there's a barrier across the weirgate. They don't use the gates to flush stormwater in general but they are left slightly open.</p> <p>Can move the gates, but they are 50 years old. During the course of the visit, one of the chains was noted to have come free from the flap valve.</p>		

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<p>Issues and Opportunities</p> <ul style="list-style-type: none"> ▪ The pond is heavily silted. Pond volume changes every week because of the over spill level. Pond can only be drained about 500mm but total depth is probably max 1.2m as measured to top of silt. Committee have pond profile. Management plan requires 0.35m min depth for sailing ▪ Ducks thrive but don't breed well because of predation. Feed here and breed elsewhere. Excrement is high in nutrient. Pukeko breeding area around the wetland. The area also had a pair of paradise shelduck. ▪ Culvert from main Onepoto Stream inlet is 1.2Ø approx – only 9 inches appears unblocked because of silt. A sediment forebay upstream would enable future maintenance easier than desilting the whole pond. There is a second inlet at the eastern side of the pond. This eastern drainage channel has been monitored but there doesn't seem to be much water movement and there was dead weed floating on the surface– pipe will probably be blocked. This area is another potential site for a sediment forebay. ▪ Mussels grow on the buoys and sink them. There are also shortfin eels, gambuzia, brian shrimp. Horsehair algae thrives in the warm, shallow water. ▪ 2 barley straw bales used to be put inside pond just inside southern inlet barrier. Committee were told they were not allowed to use barley– it created a problem with the straw bales breaking up anyway. Carol noted the silt is pretty sulphurous. Bubbles on the water surface whenever the silt is disturbed come from methane build up under the mud from decaying vegetation. ▪ Discussed potential to de-silt pond. Best estimate from Committee 1000m³ of silt. Mohammed reckons closer to 3000m³. Costs and environmental impacts of removing 'wet' from the pond (can't drain) are large – reviewed potential sites for either reclamation, or for drying of silt prior to removing from site. First site mentioned was the wetland area by the southern inlet – this is Recreation 1 and so would need Ministerial level consent (as will the sediment forebay). A second site (Recreation 2) was identified between the lake and the Children's play area – this may already have a novocoil drain installed partway along which drains back to the pond (a catchpit was noted at the north-western edge) – Kusuma will confirm from NSCC records. 	<p>KG</p>	<p>End Jun</p>
<p>Aerators</p> <ul style="list-style-type: none"> ▪ Fountains distribute saltier water around the pond – pick up at weir gate. Used to control weed. Fountains are also for oxygenation ▪ New fountains were recently installed but their performance deteriorated over 		

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<p>time and they have not been working for 2 weeks. Project is not yet complete – no as- built drawings are available. Pipes were dug in around the pond, not through the pond, – there were also LV power cables for LED lights (38V) installed – Mike of Waterworks will send NSCC an updated diagram of power and pipe locations.</p> <ul style="list-style-type: none"> ▪ There is a flushing cycle on the intake, however the intake is below sediment level and is blocking with crabs, shrimp, mussels. Mike looking at installing a primary intake screen. ▪ Open vortex pump. Grundfos submersible from a pump station to the southeast of the pond. This has a 6 feet sump, which also needs modifications for safe maintenance. Pumps to 110Ø pipework. ▪ Nozzle is an aerating nozzle ▪ Control box for aerators on roadside is controlled by Parks – Management Committee does not have access to the controls and cannot operate the aerators although they used to previously. 	Mike	ASAP
<p>Other stakeholders</p> <p>There is a residents association, who are interested in the amenity use of the park. They wanted to have the soccer club house removed when it was not used.</p> <p>Northcote Birkenhead Community Board resolved that the clubhouse would be taken down in a few months a few months ago. Now soccer groups have started to use the building again. Bob Wallace should have contact details for the clubs.</p> <ul style="list-style-type: none"> ▪ A couple of groups rent the building for community purposes. ▪ Channel any contact through the Community Board. 		
<p>AOBs and date of Next Meeting</p> <p>Mohammed closed by noting that NSCC will put forward proposals for future pond management to the Community Board, who would then decide whether to go ahead with the works.</p>		