

28 February 2018

Version control

	Circulation date	Amendment date
Version 1	14/05/18	17/05/18
Version 2	17/05/18	22/05/18
Version 3	22/05/18	

Coochie SEMP Community Reference Group Meeting 3

Meeting date: 13 February, 2018, 1:00-2:30

Location: Elders Room, Ground Floor, Cleveland Library

Attendees:

<u>Name</u>	<u>Present</u>	<u>Apology</u>	<u>Name</u>	<u>Present</u>	<u>Apology</u>
<u>Dr Mark Pillsworth</u>	<u>✓</u>		<u>Ray Burton</u>		<u>✓</u>
<u>Kevin Childs</u>	<u>✓</u>		<u>Graeme Roberts-Thomson</u>		<u>✓</u>
<u>Dr Michael Gourlay</u>	<u>✓</u>		<u>Russell Austerberry</u>	<u>✓</u>	
<u>Peter Richardson</u>	<u>✓</u>		<u>Joel Bolzenius</u>		<u>✓</u>
<u>Dr Rachel Krinks</u>		<u>✓</u>	<u>Sel Sultman</u>		<u>✓</u>
<u>Denise Foley</u>			<u>Paul Prenzler</u>		<u>✓</u>
<u>Keith Stebbins</u>	<u>✓</u>		<u>Gay Deacon</u>		<u>✓</u>
<u>Tammy Holcroft</u>			<u>Luke Bekker</u>		<u>✓</u>
<u>Chris Leonard</u>	<u>✓</u>		<u>Cr Lance Hewlett</u>	<u>✓</u>	
<u>Kate Brooks</u>	<u>✓</u>		<u>Michael Holland</u>	<u>✓</u>	
<u>Vivienne Roberts-Thomson</u>	<u>✓</u>		<u>Rod Powell</u>		<u>✓</u>
<u>Nikki Cornwall</u>	<u>✓</u>		<u>John Dujmovic</u>	<u>✓</u>	

Neither Denise nor Tammy were in attendance

Housekeeping

1. The group was advised of Dr Rachael Krinks' withdrawal from the Coochie SEMP CRG.
2. Meeting 2 Notes

The group was asked to confirm adoption of the meeting 2 record, issued on 30 January 2018. It was agreed that with correction of the record (concerning apologies that were tendered by Chris Leonard, and Ray Burton), that the notes were a good record.

3. Notes or Minutes

The group discussed the preparation of 'notes' or 'minutes', and agreed that notes would be preferred as long as they are endorsed as a true record at the next meeting.

Agenda Item: Amended Consultants Specification (ver. 2.1)

The project manager advised that version 2.1 incorporated the group's feedback (with changes highlighted), and that dredging had been incorporated, along with the feedback received from Dr Mark Pillsworth and Dr Michael Gourlay.

The group discussed the need for the SEMP to cover the whole island.

The group discussed the need to survey the NE beach and rocky platform.

The group discussed the exclusion of important studies / surveys from the Consultants Specification (including specification of a below LAT Bathymetric Study, and surveys which excluded Control Point 5), and that the consultant would not be able to commence without that level of detail.

The group asked how quickly survey of Control Point 5 could be done, and were advised that the quickest way would be through Council Survey Services. Action arising: Michael Holland to request a foreshore beach profile survey (carried out at low-tide) through Council's Survey Services Unit, at control point 5.

The group discussed the significance of Control Point 5, and that it had been eroding consistently.

The group discussed that Port of Brisbane (POB) could identify soft tissue benthos (i.e. seagrass) from their bathymetric survey techniques if produced in the Fleidermaus product (which is industry standard). And further, that assessment of soft tissue benthos and granular composition of the sand at the NE section of the island (around Control Point 5) should be progressed ASAP to inform coastal process modelling tasks.

The project manager reminded the group of the need to progress this project in this financial year (FY).

The group discussed the value of aerial photography interpolation as a technique to inform coastal morphological changes over time. For example, the earliest aerial photo is from 1944, which shows sand going off the SW corner of the island as it does now.

The group discussed how comparison of 1944 with more recent aerial photos shows that Control Point 5 has been receding for probably more than 25 years, that net movement is south (and then west and off the end of the SW corner of the island), and that generally the eastern beaches have receded.

The group discussed possible causes, including impact of changes in wind and changes to waves and currents that have altered the shoreline around Control Point 5. The group

discussed the importance of understanding changes in the direction and size of the waves, and the benefit of wind rose analysis for last 25 years (at 3 year intervals), particularly in relation to the changes at Control Point 5.

It was discussed that it was useful to understand that historically Coochie was not an island, but the high-point of a now flooded river valley, and as such quite similar to Peel Island.

The group discussed the basic shape of the island which is generally unchanged since 1944. The one notable exception applies to Control Point 5 which had changed substantially (reference: Dr Gourlay) in recent times, and as such mobility of sediment is the key. As a result of changes to control point 5, the eastern beaches have “flattened”.

The group discussed the weakness of recent bathymetric survey data, taking averages (and consequently obliterating trends in shoreline change).

The group discussed how attack waves fluidise the beach and then the long- shore drift takes sand offshore. Note: Wave-generated longshore drift moves sand along the shore, but the ‘fluidised’ sand will be moved in whatever direction the local current is flowing.

The group discussed how mud will settle on sea grass and kill it and change the morphology of the shoreline. Note: Alternatively, seagrass beds may trap sediment (mud) and prevent its return to the shoreline.

The group discussed how Control Point 5 had been outflanked – and now Control Point 4 was under pressure.

The group discussed how the consultant’s statement that they “don’t understand the boundary conditions” was a problem.

The group discussed tapping into Airport Authority dredging activity and Port Authority surveys / studies to the end of gleaning some understanding of the northern boundary of the system of sediment movement affecting Coochiemudlo Island, and that the southern part appears (because of flooding in South Passage) to act differently - almost like a self-sealed compartment.

The group discussed how terrestrial beach, or bathymetric surveys need to include the intertidal area between LAT and HAT, as it is the biggest waves which get over the reef without breaking, which effect the beach the most.

The group discussed, given the coralline components etc in our sand, that it most likely comes from elsewhere (and that the most likely source was Pelican Bank off Amity).

Relevance of Amity SEMP was discussed.

It was also suggested we look at Peel, to see if any changes there.

The group discussed the need to provide consultants access to all the Amity SEMP studies and surveys.

The group discussed the westward movement of Morwong beach (as evidenced by death of mangroves there).

The group discussed that tidal flows could have increased by up to 15%.

The group discussed the benefit of studying aerial photos, including how doing so can highlight change in depth and angle. And discussed how their study should be part of the consultant's brief. It was suggested that because the navigation beacons installed in the main channel in Moreton Bay in the 1980s haven't moved for many years, they could be used as control points from which to calibrate and look for changes.

The group discussed how all changes contribute to the overall change eg dredging of Pt Halloran Basin.

The project manager asked the group if that with the changes discussed they would accept the next version, ie 2.2 as the final version, and the group agreed, and were happy for that brief to go to market.

It was agreed that Dr Pillsworth and Chris Leonard would represent the CRG in the procurement process (Chris Leonard to take over from Graeme Roberts-Thomson, who no longer had capacity).

Keith Slack provided a memory stick on which he will supply project inputs.

Actions arising from agenda item: Amended Consultants Specification (ver. 2.1)

- Project manager to request terrestrial survey of Control Point 5.
- Project manager to refer POB bathymetric survey product deliverables to Dr Pillsworth to review and provide him with feedback on their adequacy for input to CPS tasks.
- Project manager to discuss POB bathymetric survey products with POB to determine re conversion to Fleidermaus product.
- Project manager to share surveys with Dr Gourlay.
- Project manager to update consultancy specification with Dr Gourlay's wording. Dr Pillsworth specified "granulometric composition and soft tissue benthos" be requested.
- Project manager to request photo work.

- Project manager to start procurement process.
- Project manager to prepare procurement and probity docs for Dr Pillsworth and Chris Leonard who will be representing the CRG in the procurement process.

Agenda item: Project next activity / milestone

1. Open house – Community Engagement activity to engage local community, visitors and the broader city community.

It was agreed that Open House activity should be after April to avoid clashes with school holidays, the Commonwealth Games and allow the newly appointed consultant to get his/her feet under the table. It was discussed an Open House without the consultant would be a waste of time (the schedule Appointment proposed from May 1)

The Chair discussed the power of video in social media, and potential use of drone footage of the island.

Discussed use of the Open House materials as static display in Redland Museum, to extend reach / use of materials.

Discussed engaging Victoria Point retirement villages to source old photos etc of Coochie.

Discussed review of materials / video generated in 2013 activities, as some may be useful for the engagement.

Discussed accessing events timeline as well as thesis from the early 90s which Dr Gourlay or Vivienne Roberts-Thomson may be able to provide.

Discussed sourcing content from Professor John Pearn's book - *Coochie Chronicles*.

2. Decision making

The need for economic data to support decision making was discussed.

The Project Manager explained that decisions were driven by Coastal Adaptation Strategy recommendations to be reviewed for the Coochiemudlo Island SEMP) and the Operational Plan - and where there was existing recreational use, the Foreshore Asset Services Management Plan.

The group discussed the need for operational works now, and that we could not wait for outcomes of the SEMP.

Project manager advised the group that responsibility for fallen warning signs were with Energex and Telstra.

Actions arising from agenda item: Project next activity / milestone

- Project manager to investigate and if necessary, implement a geo-tech investigation at Red Rock.
- Vivienne Roberts-Thomson to provide previous geotechnical investigation reference documents / drilling survey to project manager (to provide to consultant).
- Project manager to provide response to the geo-tech report to MH.
- Project manager to request estimate of sand required at Norfolk beach to protect endangered tree, and follow up with City Spaces as it may be possible to fund this out the of the environmental levy.
- Community engagement officer to share materials with group prior to production if sufficient time.
- Project manager to resupply revised project schedule (including procurement changes, including allowance of 3-4 weeks for those responding to prepare their submissions – and then a similar period to assess them).

Agenda item - Meeting wrap-up / proposed next meeting date

Project manager suggested that the next meeting date be in April (when procurement near to wrapped up).

The group agreed on Wednesday 18 April as the date for the next meeting.

Actions arising from agenda item: Meeting wrap-up / proposed next meeting date

- Community engagement officer to share Doodle link to determined time for the Wednesday 18 April meeting.

Meeting ends