

Securing the future of our coastline



DRAFT Meeting notes **Community Reference Group**

Meeting 5

Tuesday 23rd February

Grange SLSC

6.00pm to 8.30pm

We would like to acknowledge this land that we meet on today is the traditional Lands for the Kaurna people and that we respect their spiritual relationship with their country. We also acknowledge the Kaurna people as the custodians of the greater Adelaide region and that their cultural and heritage beliefs are still as important to the living Kaurna people today

The department acknowledges that the discussions and principles raised at each reference group meeting, and/or outcomes as recorded in the meeting notes, do not necessarily indicate agreement by all reference group members or the community groups they represent.

Attendees

- Port Adelaide Residents Environment Protection Group - Tony Bazeley
- Henley Sailing Club – Brenton Scott
- Save West Beach Sand- John Dundon
- Semaphore Largs Dunes Group - Sandra Dann
- Tennyson Dunes Group - Nick Crouch
- West Beach Surf Life Saving Club – Peter Zuill
- Henley Dunes Care Group - Bernadette Cranwell
- Western Adelaide Coastal Residents Association –Geoff Short
- Taperoo Dunes Group – Ross McColl
- Save our Shores Semaphore to Largs – Helaine Costello proxy for Warwick Norman
- Grange Surf Life Saving Club – Joe Pedicini
- Coastal Ecology Protection Group – Monique Webber
- City of Charles Sturt – Shane Broadbent
- City of Port Adelaide Enfield – Simon Trill
- Department for Environment and Water, Cate Hart
- James Guy, Project Manager, DEW
- Linda Durham, Engagement Coordinator, DEW
- Steve Dangerfield (facilitator)

Guests

- Tim Ennis, Senior Engineer, Tonkin
- Mike Henson, Business Development Manager, McConnell Dowell

Apologies

- Birdlife Australia – Aleisa Lamanna
- WACRA – Bert Brown

- Surf Life Saving SA – Julie Quimby
- Save our Shores Semaphore to Largs – Warwick Norman

Absent

- Conservation SA – Craig Wilkins
- Wild Endangered Dunes Group (WEDGE) – Geoffrey Reed
- Friends of Gulf St Vincent – Mark Pierson
- Friends of North Haven Dunes Group - Jan Blake
- Adelaide Sailing Club – Peter Royle
- Henley Surf Life Savings Club – Rae Lawson
- Semaphore Surf Life Saving Club – Paul Breden

1. Welcome and Introductions

- Steve welcomed everyone to the meeting and provided an update on the apologies and proxies and reminded everyone about the meeting protocols.
- Steve highlighted the meeting purpose, agenda items and outcomes from the previous online meeting held 10 December 2020. It was noted that the URL mapping tool is up and running again for further input.
- Steve noted that the previous meeting summary notes were finalised and published on the department's website.
- Steve introduced Tim Ennis from Tonkin Consulting and Mike Henson from McConnell Dowell.
- Steve mentioned the formation of the West Beach/Henley Beach working group given the increasing community interest in the future of West Beach.

2. Project status update

- James Guy provided a project update (*Refer to presentation slides for detail*)
- James offered the group individual follow up if anyone wanted further detail on what was presented.
- Interim replenishment:
 - James noted the 2020-21 quantities of sand moved from River Torrens Outlet to replenish Rockingham street dune and protect foreshore infrastructure.
 - James noted 2019-20 quantities of sand moved from Semaphore to West Beach and highlighted that this year's 2021 interim sand movement works are being planned and discussed with both West Beach / Henley Beach South and Semaphore Working Groups.
 - James used maps and graphs to provide details about last year sand movement (littoral drift) from West Beach and the outcomes from the recent beach profile analysis work undertaken by DHI. James concluded the remaining target for 2020-21 financial year is to move 90,000 cubic metres of sand into West Beach. (*refer to slides 10 -18 for more detail*)
 - James demonstrated (using graphs with beach profile data) that 6,000 cubic meters of sand has eroded from the semaphore south fore dune and moved northwards since establishment in 2020.
 - James explained that the fore-dune should be replenished before winter to reduce erosion risks and threats to plants and drift net fencing. (*refer to slides 19-27 for more detail*)

- James provided an overview of planned sand movement works for 2021. (*refer to slide 28*) noting that 6,000 cubic metres will be “forward passed” from the breakwater salient in March to replenish sand losses at Semaphore South Dune.
- James advised that forward passing sand in the direction it naturally moves is not a preferred strategy, the preferred strategy is recycling sand from north to south, however the department has agreed to accommodate the request from the recent Semaphore working group meeting to forward pass 6,000 cubic meters to help manage social impacts of trucks on the beaches for longer periods in busy beach going period of March.
- James advised that more sand may be required to replenish the Semaphore South dunes in winter, depending on weather conditions and rates of erosion.
- James noted that the plans for sand movement works are always subject to change based on changing conditions e.g. storm events.
- Simon Trill from Port Adelaide Enfield Council noted that more plants will go in heading into winter.
- External sand:
 - James informed the group that Port Stanvac offshore deposits are not a viable source of sand for replenishment and other sources of external sand including land based quarries and Section Bank (to the north of outer harbor) are currently being investigated (*refer to slides 30-34*).
 - James highlighted offshore sand north west of Section Banks that was being investigated as an external sand source and discussed the history of that area when it was previously investigated. He noted that previous investigations into that area halted with the adoption of the ALB strategy, and the change to recycling sand with small scale additions of external sand (from quarries) rather than periodic large scale replenishment from offshore sources as occurred up until 1997. Further investigations would need to be undertaken at Section Banks before it can be confirmed as an option for external sand today.
 - James noted that discussions have commenced with PIRSA and SARDI regarding the feasibility of Section Bank as a source of external sand.
 - James noted that all investigations up to 2005 can be found in the ALB technical report.
 - James noted the reports from the Port Stanvac investigations will be available on the department’s website soon.
 - Steve advised that the CRG were the first to be informed about Port Stanvac and other groups will also be informed. He encouraged members to disseminate this information back to their own group members.
 - James discussed last year’s quarry sand trials at West Beach and explained that quarry sand will continue to be investigated as an external sand source for replenishment. A second round of sand trials is planned for Autumn 2021 at West Beach (*refer to slides 35 to 39*)
 - James advised that he will have an update on the external sand and timelines at the next CRG meeting.
- New pipeline:
 - James informed the group that the new pipeline (design and construction) will be delivered by the consortia that delivered and maintains the current sand pumping

system. He noted that the design process will be a collaborative approach with the consortia / DEW and the community.

3. Pipeline co-design approach

- Steve recapped on the work already undertaken by the group on pipeline alignment.
- Steve noted this work would be passed onto the consortia as they start to commence work on the technical constraints of pipeline alignment and above ground infrastructure.
- Steve encouraged the group to continue to input issues / constraints regarding pipeline alignment and above ground infrastructure using the URL mapping tool provided.
- Steve advised that Tonkin consulting will provide a draft conceptual alignment for further discussion and refinement – aiming for the next CRG meeting.
- Steve advised that further community engagement will occur within local communities regarding alignment and pumping station locations – he encouraged the group to provide input on design criteria for pumping stations.
- Steve advised that phase 2 of the impact assessment will inform draft locations for inlets, outlets and sand collection areas along with input from the CRG and subsequent discussions with local communities.

4. Phase 2 Impact Assessment

- James informed the group that consultants Doug Lord (Coastal Environment) and David Wainwright (Salients) have been engaged to undertake the Phase 2 impact assessment and they have been provided with the January 2021 beach survey data for analysis.
- Steve noted that the CRG sub working group was formed last year to help inform Phase 1: impacts of interim trucking works on the northern beaches. The Phase 2: impacts of longer term sand recycling (pipeline) will be informed by all CRG members.

For noting: Steve advised that all CRG members should be involved in the impact assessment process and as discussed by Steve this is particularly relevant for the Phase 2 impact assessment. Rather than working via both a sub group of the CRG and the CRG itself it is more efficient for the consultants to work directly with the CRG members at upcoming meetings. The consultant's proposal will be circulated to the CRG soon.

For noting: Feedback received in Phase 1 that was not in scope for Phase 1 but in scope for Phase 2 will be given to the consultants for their consideration.

5. Community Engagement

- Steve went over the community engagement activities in 2020 and current plans for 2021.
- Steve encouraged all members to get in contact with Linda Durham or Janet Pryor with any further ideas to promote the project within their local communities or suggest others within their local communities who could be engaged about pipeline alignment and pumping stations.
- Steve explained that an updated data management system will be put in place to capture all community feedback.
- Steve proposed spending 10 minutes at the beginning of the next CRG on community engagement activities to enable members to contribute to the strategy more effectively.

6. Other business

- Steve discussed the proposal from a CRG member to invite a youth representative onto the CRG.
- CRG members advised of several youth representative groups that could be contacted: this included the Coastal Ambassadors, youth environment group, young greens group and SLSC youth members. (*refer to action list – Linda to follow up*).
- Steve discussed a proposal for a representative from West Beach / Henley Beach South Working Group to join the CRG. He advised that 3 members from this group have expressed interest to represent on the CRG and further information regarding nominees will be provided to the CRG soon.
- Steve highlighted the request from a CRG member to have Alan Sumner (Kurna representative from the Management Group) to attend a CRG meeting. Steve advised that James Guy will raise this with Alan at the next Management group meeting.
- James highlighted the Parliamentary Committee Inquiry into the Coast Protection Board and Legislation (*please refer to slide 60*).

Reminder: The governance structure of the project comprises of a high level inter-agency Steering Group, a Management Group and the Community Reference Group, all of which fulfil a role in the Securing the future of our coastline project. Through the correct departmental channels Kurna has been engaged resulting in Alan Sumner representing at the Management Group level.

7. Questions / Issues / Concerns

- A question was raised about the Securing the future of our coastline project (recycling pipeline) if suitable external sand was not found.
 - James Guy explained that the recycling pipeline is a critical component to efficiently recycle sand into the future and reduce the need for trucks carting sand to West Beach. It was noted that an update on external sand and timelines will be provided at the next meeting.
- CRG members were keen to see public art incorporated into above ground pipeline infrastructure and suggested this could be a community engagement activity to help drive the approach.
- A question was raised about the potential impacts of moving sand back from the northern beaches in the first few years after the initial 500,000m³ mass replenishment. i.e. assuming it will take some time for this mass replenishment sand to move northwards.
 - James Guy commented that this was one of the issues that the Phase 2 impact assessment will examine. The intent is that the sand recycling rates will match the measured littoral drift rates out of West Beach, with no net impact on the sand volumes in the northern management cells.
 - A comment was also made that the DHI 2018 report found that large volumes of sand have accumulated in the northern management cells over the last decades during the period that sand volumes have declined in West Beach, and that the northern cells therefore have the capacity to supply the initial recycling volumes.

- A question was raised about the timeline of the project given Port Stanvac was no longer a viable option. James noted that there will not be a delay with pipeline implementation and external sand source options will continue to be investigated.
- A question was raised about the quality of sand at the Section Bank and the carbonate content. James explained that historic investigations of the Section Bank (as summarised in the ALB Technical Report) had found low carbonate contents and that the sand was fine to medium grained and suitable for beach replenishment.
- There was a question whether 500,000 cubic metres of sand would be enough to reinstate West Beach. James explained that this volume was determined by DHI as replacing sand volumes since 2005. DHI will be re-engaged to look at optimising where the sand is placed ie: West Beach, Henley Beach South, Torrens outlet etc, and the key is the pipeline that will keep sand coming back at a stable rate.
- There was a question about *Phytophthora cinamomi* and other soil borne pathogens from quarry sand. James indicated that any quarry sand would be coming from licenced quarries and that he assumed phytophthora testing would be part of regular quarry testing. He will ensure it is addressed as part of the quarry sand investigations.

For noting: James reiterated again that the pipeline is the preferred strategy to recycle the river of sand moving to northern beaches to replenish southern beaches and protect foreshore infrastructure, and that groynes or other structural solutions have previously been evaluated and are not considered to be an appropriate strategy for the Adelaide metropolitan coastline.

8. Wrap up and close

- Steve outlined the next steps was to meet in early April.

Action list (updated 23 February 2021)

Action	Meeting date	Responsibility	Due date	Status
Follow up with CRG youth representation Refer to group names advised by CRG members	24/2/21	Linda	asap	
All members to continue to input local issues, constraints and opportunities into the online mapping noting that the online tool is not to be shared with the general public, but within groups only.	24/2/21	All members	On-going	