

Securing the future of our coastline

FINAL Workshop Summary

Meeting dates and times

Tuesday 28 April 1.00 to 3.00pm – Meeting 1

Tuesday 28 April 4.30 to 6.30pm – Meeting 2

Thursday 30 April 2.00 to 4.00pm – Meeting 3

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

Meeting 1 - Attendees

- Semaphore Largs Dunes Group - Sandra Dann, Maggie Gordon
- Port Adelaide Residents Environment Protection Group - Tony Bazeley, Andrew Winkler
- Taperoo Dunes Group – Ross McColl
- Friends of North Haven Dunes Group - Jan Blake
- Henley Sailing Club – Brenton Scott
- Birdlife Australia – Aleisa Lamanna
- Grange Surf Life Saving Club – Joe Pedicini
- Surf Life Saving SA – Damien Marangon
- Allan Holmes, Presiding Member, Coast Protection Board
- Cate Hart, Director, Environment , Heritage and Sustainability
- Murray Townsend, Manager Coast and Marine Branch, DEW
- James Guy, Project Manager, DEW
- Janet Pryor, Senior Communications Advisor, DEW
- Linda Durham, Engagement Coordinator, DEW
- Steve Dangerfield (facilitator)

Meeting 2 - Attendees

- Save West Beach Sand- John Dundon
- Tennyson Dunes Group - Nick Crouch, Mark Pierson
- Henley Dunes Care Group - Bernadette Cranwell, Lisa Redman
- West Beach Surf Life Saving Club – Peter Zuill
- Western Adelaide Coastal Residents Association – Bert Brown
- Semaphore Surf Life Saving Club – Paul Breden
- Conservation Council South Australia - Craig Wilkens
- Save our Shores Semaphore to Largs – Jill Kennere, Warwick Norman
- City of Port Adelaide Enfield – Mark Buckerfield, Simon Trill and Maggie Hine
- Allan Holmes, Presiding Member, Coast Protection Board
- Patrick Hesp, Member, Coast Protection Board
- Cate Hart, Director, Environment, Heritage and Sustainability
- Murray Townsend, Manager Coast and Marine Branch, DEW
- James Guy, Project Manager, DEW
- Janet Pryor, Senior Communications Advisor ,DEW
- Linda Durham, Engagement Coordinator, DEW
- Steve Dangerfield (facilitator)

Apologies: Save our Shores Semaphore to Largs - Susan Waite

Meeting 3 - Attendees

- Western Adelaide Coastal Residents Association (WACRA) – Jim Douglas, Geoff Short
- Wild Endangered Dunes Group (WEDGE) – Geoffrey Reed
- Friends of Gulf St Vincent – Mike Bossley
- Coastal Ecology Protection Group – Monique Webber, Alan Simpson
- Adelaide Sailing Club – Peter Royle
- Henley Surf Life Savings Club – Rae Lawson
- City of Charles Sturt – Kelly Mader, Jan Cornish
- Patrick Hesp, Member, Coast Protection Board
- Cate Hart, Director, Environment, Heritage and Sustainability
- Murray Townsend, Manager Coast and Marine Branch, DEW
- James Guy, Project Manager, DEW
- Janet Pryor, Senior Communications Advisor, DEW
- Linda Durham, Engagement Coordinator, DEW
- Steve Dangerfield (facilitator)

Apologies: Largs Bay Sailing Club - Matthew Carter

1. Workshop Introduction – Steve Dangerfield

- Steve welcomed everyone to each meeting and explained the online meeting protocols and basic functions in zoom.
- Steve welcomed the Minister for Environment and Water, Hon David Speirs MP and thanked the Minister for attending.
- Steve introduced all present Coast Protection Board members and DEW staff and their project roles.
- Steve acknowledged the commitment of DEW Executive to the engagement process for this project through the attendance of Cate Hart, Executive Director, Environment, Heritage and Sustainability.
- Steve presented the online engagement protocols and highlighted that there would be different opinions in each meeting group, he asked when verbally presenting information to be respectful.
- Steve gave everyone the opportunity to raise their hand if they objected to the session being recorded, it was noted that this recording will only be used by the department to record accurate minutes and then deleted.
- A draft record of the meeting will be prepared and circulated to all participants. Each participant will be provided two weeks to provide any amendments or comments to the meeting record. Once these changes have been made, the meeting record will be made final and available to all participants for circulation to their members and will also be made available to the public via the DEW website.

2. Ministers address – Hon David Speirs MP

- The Minister introduced the session and provided an overview of the Government's commitment to securing the future of Adelaide's coast line, including the scope of the project for which close to \$50 million has been allocated.
- The Minister thanked all the community attendees for their involvement, commitment of time and interest in this important initiative, and looks forward to reviewing the outcomes of the meetings.
- The Minister stated his commitment to engage and welcomed feedback and input from the community as the project progresses.
- *The Minister then departed the meeting.*

3. Workshop Purpose and Approach and group introductions

- Steve outlined the purpose of the workshop as follows:
 - To begin the process of information exchange in a structured and coordinated way.
 - To enable representatives of key groups to present their views/questions to enable the Department to respond in follow up information workshops.
 - For the Department to listen to the issues and to identify what is needed to build confidence and support around the adopted coast management strategy.
 - To outline the longer-term pipeline and external source project initiative.
 - To canvass the longer-term engagement process (community reference group proposal).
- Steve explained the reason for separating the group into three and presented the names and groups being represented at all three sessions.

- Steve advised that a separate process was underway for Aboriginal engagement via DEW's First Nations Partnership and Reconciliation Unit.
- Steve asked if everyone was happy if the Coast and Marine team distributed contact details to all invitees. It was agreed for the organisation name, representative and email address to be circulated. **Please refer to Attachment 1: Contact details**
- Steve encouraged all group representatives to consider whether there are any other groups that should be invited to participate in the engagement process. It was noted that these sessions are for organised groups with an interest in the management of Adelaide's coastline and not individual members of the community. **Action: All to review list of groups involved and advise Linda Durham of gaps.**

Each group representative was given the opportunity to introduce themselves and provide a single sentence on expectations and objectives. Noting there would be more opportunity to discuss concerns, views and knowledge gaps later in the session.

Below is a summary of each participant's introduction:

Tuesday 28 April – Meeting 1

- Semaphore Largs Dunes Group, Sandra Dann
 - There is a need for community to receive good communication about the coastal management strategy based on evidence that builds trust
 - The current level of engagement in place with the Semaphore groups is a positive.
- Semaphore Largs Dunes Group, Maggie Gordon
 - The group has concerns with respect to the loss of sand and the ultimate impact on the environment.
- Port Adelaide Residents Environment Protection Group (PAREPG), Tony Bazeley
 - PAREPG has been an important contributor to discussions to do with the management of Adelaide's coast and St Vincent Gulf for many years. PAREPG wish to be given the same respect as other community groups going forward and therefore welcome the opportunity to be involved in a process that ensures their inclusion in information distribution and knowledge transfer;
 - PAREPG wish locations used for mining be treated with the same respect as destinations.
 - PAREPG consider that a sustainable framework for coastal management is required to govern the whole process.
- Port Adelaide Residents Environment Protection Group, Andrew Winkler
 - Provided a brief background on his past work and involvement with the department, including having a strong background working with and being a member of community groups and keen observer of erosion at West Beach.
- Taperoo Dunes Group, Ross McColl
 - The Taperoo Dunes Group has not as yet formed a strong opinion and is wanting to use the workshop sessions to listen and learn and understand the various opinions and views as it relates to the science and research that has been undertaken.
- Friends of North Haven Dunes Group, Jan Blake
 - The group does not have specific expectations of the process but considers we must be doing everything we can to preserve the coastline and the northern beaches.

- Henley Sailing Club, Brenton Scott
 - At the Henley Beach boat ramp the sand 200m either side is very soft making it difficult to transport boats from the club to launch on the beach. It would be helpful if matters such as this could be considered in due course as part of the overall management strategy.
- Birdlife Australia, Aleisa Lamanna
 - Aleisa has a background in coastal management and would like to offer the group bird expertise, and to support volunteers who are impacted by current beach works. ,
- Grange Surf Life Saving Club, Joe Pedicini
 - Is looking to receive information and provide feedback to club members on short and long term impacts and the long term strategy.
- Surf Life Saving SA, Damien Marangon
 - Is looking to contribute to sustaining and maintaining the coastline and ensuring community safety as a priority.

Tuesday 28 April – Meeting 2

- Save West Beach Sand, John Dundon
 - Broadly supports the proposed long term strategy for sand management for the Adelaide coastline however is concerned about how science appears to have failed policy for West Beach previously and would like to explore this issue going forward.
- Tennyson Dunes Group, Nick Crouch
 - Is interested in Tennyson's dune ecology and the broader dune ecology across the coast.
- Tennyson Dunes Group, Mark Pierson
 - Is keen to hear how Henley South dunes will be managed in relation to the broader coastal management strategy.
- Henley Dunes Care Group, Bernadette Cranwell
 - Interested to know how the volunteer dune restoration work can be integrated with the pipeline project. In addition, the group is wanting to understand the journey so far and how this supports the pipeline and external sand source project.
- Henley Dunes Care Group, Lisa Redman,
 - Has a strong interest on the Henley dunes and how the project will impact the dunes.
- West Beach Surf Life Saving Club, Peter Zuill
 - The club has been impacted by the erosion at West Beach and therefore is looking for a sustainable solution to resolve the ongoing problem in this section of coast. A critical outcome therefore of the project is the resolution of ongoing erosion at West Beach.
- Western Adelaide Coastal Residents Association, Bert Brown
 - The group would like to see a whole of coast approach - not diluted into small sections and would like to see the science behind the current rationale for moving sand from northern beaches to southern areas that have experienced erosion.
- Semaphore Surf Life Saving Club, Paul Breden
 - The group wish to understand the project and share the information with club members and the community to increase knowledge and awareness.

- Conservation Council South Australia, Craig Wilkins
 - Craig thanked the Department for the opportunity for community to present their issues and views first to enable the Department to directly address matters of importance. The Conservation Council represents a range of key interest groups and is looking forward to a continuous flow of information sharing and what the longer term journey is for managing coastal erosion.
- Save our Shores Semaphore to Largs, Jill Kennare
 - Save our Shores has an interest in the whole of Adelaide metropolitan coastline and how it is managed into the future in a sustainable way accounting for key issues such as climate change.
- Save our Shores Semaphore to Largs, Warwick Norman
 - Echoed Jill's comments and advised that his role would be as an observer to the meeting.
- City of Port Adelaide Enfield, Mark Buckerfield
 - The City of Port Adelaide Enfield is looking forward to participating in the engagement process and listening to the community to ensure the project delivers good community and environmental outcomes.
- City of Port Adelaide Enfield, Simon Trill
 - Simon manages park and gardens and is keen to hear community views.
- City of Port Adelaide Enfield, Maggie Hine
 - Maggie is keen to hear what the community has to say and to use information from the reference group to inform policy advice to Council.

Thursday 30 April – Meeting 3

- Western Adelaide Coastal Residents Association (WACRA), Jim Douglas
 - WACRA wish to see better than what's happened in the past, to bring beaches back into equilibrium and for the community to have trust in the project proposed.
- Western Adelaide Coastal Residents Association (WACRA), Geoff Short
 - Geoff was attending as an observer but added that WACRA is particularly interested in the scientific justification for sand movement and if there is consideration for a full EIS study that covers environmental, economic and social aspects for the entire coastline.
- Wild Endangered Dunes Group (WEDGE), Geoffrey Reed
 - Represents 300 residents and is primarily interested in the northern corridor of the Tennyson dunes system - there is only 40m between homes and the high water mark in this area which does constrain the ability to install a pipeline. Also has interest in the coast park path proposal and how the two proposals inter-relate and will be managed.
- Friends of Gulf St Vincent, Mike Bossley
 - Considers that the pipeline is only a short term solution and stressed not to lose site of the long term solutions.
- City of Charles Sturt, Kelly Mader
 - Works in asset management, has done a lot of work in biodiversity and revegetation, and has worked closely with the department and community with current works and will continue to do so. Is looking forward to the information exchange to be in a position to help keep communities along the coast informed.
- City of Charles Sturt, Jan Cornish

- City of Charles Sturt has 11km of coastline within its council area and understands it is part of a larger system so wants to make sure the overall strategy benefits coastal communities. Has worked closely with the department and will do so in the future and is interested in understanding community views.
- Coastal Ecology Protection Group, Monique Webber
 - Group has a strong interest in the protection of the coastline from an environmental perspective.
- Coastal Ecology Protection Group, Alan Simpson
 - Alan presented as an observer. Has an interest in protecting the natural environment and how this can play a part in sea level rise, in relation to degraded dunes.
- Adelaide Sailing Club, Peter Royle,
 - Would like to increase understanding of the whole ecosystem and the views of stakeholders relative to the long term coastal management strategy and to have a voice on how the project impacts the club.
- Henley Surf Life Savings Club
 - Rae Lawson, also a board member of Surf Life Saving SA - sand is important for our future viability, interested in sand transportation and how the stormwater pollution impacts water quality.

4. Reference Group context and purpose

- Steve provided context for the information workshops and explained that they had been arranged as a consequence of discussions with members in the community.
- Steve stated that the first information workshop was intended to provide community members with the opportunity to present issues, concerns and raise knowledge gaps relevant to informing the decision regarding the recycling pipeline and external sand sourcing projects.
- Subsequent workshops will enable the Department staff to provide responses to these matters and enable facilitated discussions.
- Following these information workshops participants will be invited to form a reference group to work with the Department on delivery of the pipeline project and external sand source.

5. Securing the future of our Coast

James Guy, manager for securing the future of our coastline project and responsible for delivering the Government's commitment to the sand moving pipeline and the external sand source investigations gave a presentation on the project and works to date to secure West Beach. ***Please refer to Attachment 2: Presentation slides***

6. Key questions, issues, concerns, knowledge gaps and information requirements

In response to a request from WACRA and Save West Beach Sand, James Guy presented three slides (provided by John Dundon) to each meeting summarising the concerns of Save West Beach Sand. The key points were:

- The net impact of sand movement activities by the department and littoral drift processes has been that West Beach has lost a large volume of sand over recent decades.
- There appears to be a link between removal of sand from the Torrens Outlet area, and increased loss of sand from West Beach.
- The “yellow line” from the ALB strategy showing planned dune recession at West Beach has been breached. Something needs to be done.

Please refer to Attachment 2: Presentation slides (slides 45-47)

Each participant was given opportunity to present the issues, concerns and requests for information on behalf of the groups that they were representing at the workshop. The key points made are summarised under each participant’s name. Key issues and themes taken from these presentations are provided in **Attachment 3: Workshop themes**

Tuesday 28 April – Meeting 1

Semaphore Largs Dunes Group - Sandra Dann

- How is the project and the rationale to support the overall strategy going to be communicated effectively to the community so people can come on the journey to avoid negative push back?
- The pipeline tour for those that attended was extremely helpful in understanding the project – can such a tour be replicated for workshop attendees?
- Concerned about community / volunteer hours and the impact of the pipeline on restoration works across dunes.
- Is there a plan for Semaphore South breakwater and what is it and how will it impact along the coast? (Noting the departments work in climate change which has a built in long term strategy).
- What are the plans for next winter for Semaphore South and West Beach, what are the interim measures to be taken to manage erosion for next winter? (Noting the pipeline will not be operational for a few years and collecting sand from Largs North for Semaphore South is in the view of community a one off event).

Semaphore Largs Dunes Group - Maggie Gordon

- Would like to be confident that there is no negative impact as a result of the sand management program (ie: were sand is removed to replenish erosion hot spots), including the Largs North area.
- Concerned about the sand deposited in areas that have been eroded washing away during winter storms and how this sand can be better stabilised and secured in a timely manner.

Port Adelaide Residents Environment Protection Group - Tony Bazeley

- How do we treat areas that are being used as sand sources for erosion hot spots, such as Semaphore and Largs. There is limited knowledge of these areas and it would be helpful to see high resolution modelling of the dunes as they are fragile and very narrow in some sections behind the dunes.
- Would like a better understanding about how the sand travels and how it is affected by the Semaphore South breakwater, There are a range of matters not discussed in the DHI report such as how long does it take for sand to move up the coast and is there differential movement between fine and coarse particles. It would be helpful to have answers to such questions.
- An explanation of the Adelaide Living Beaches cell boundaries, how are they determined whether they remain valid would be extremely helpful to understanding the current overall strategy. What work has been done since 2005 to validate these cell boundaries?
- An explanation as to why the West Beach pipeline has not worked would be helpful.
- Can a copy of the summary and submissions for the previous pipeline development application be provided for reference?
- Where are we now since the last pipeline - we should be talking about sea level rise now and how it ties in, don't understand why we are extracting sand under these conditions?
- Supports a record of the meeting to be supplied to groups and the broader public.

Subsequent material containing questions from the meeting and additional questions has been submitted by Tony. The information sessions have been designed to cover topics of interest/ concerns raised at the meetings, additional questions will be addressed separately after the information sessions.

Port Adelaide Residents Environment Protection Group - Andrew Winkler

- What is happening with respect seagrass loss and restoration projects – would like this information shared.
- Was noted that the department has a range of graphics and historical photos which lead up to the Culver report, would be good to revisit some of this material and make it public.

Taperoo Dunes Group – Ross McColl

- Have limited knowledge about the pipeline and want to know more. Suggest getting the information out there, particularly about the design and operational philosophy.

Friends of North Haven Dunes Group - Jan Blake

- Would like to see the project get on the front foot with community engagement
- What is research telling us with respect to erosion and mitigation along the entire Adelaide metropolitan coast?

Henley Sailing Club – Brenton Scott

- Is the pipeline the best solution?
- How did we get to where we are today, for example the West Beach erosion, what is the impact of the movement of sand? Would like to understand the science and what it tells us about how these issues have occurred and how best to mitigate.

Birdlife Australia – Aleisa Lamanna

- It's hard to know what the impact of the pipeline on coastal birds will be without a footprint of the pipeline – how would you manage for threatened species such as hoodies and lizards, red capped plover that have recently been impacted with sand movement

works. It's important to have input to the development of the pipeline concept and discuss issues including alignment.

Grange Surf Life Saving Club – Joe Pedicini

- From a SLS club point of view, have concerns about the technical installation of the pipeline and beach access during works
- Will the pipeline go through established dunes such as Tennyson? It will be important to see demonstration of a trade-off / balance between environmental impact and technical requirements.
- What are the effects from recovering sand from the Torrens Outlet, - recalls studies from when West Beach Marina was put in, it was all positive identifying no impacts on littoral drift.
- If pipeline doesn't achieve the desired outcome – what then? Do we have a plan B.

Surf Life Saving SA – Damien Marangon

- Community safety is concern, e.g. holes causing drowning hazards - what is the impact to community safety and what mitigation strategies around signage will be put in place when works take place? What will the impacts be for the SLSC's? Community safety is paramount and information about management measures will be welcomed.

Other general questions and comments

Need for further engagement in southern area for sand; noted community interest in southern area around potential sand sourcing.

Tuesday 28 April – Meeting 2

Save West Beach Sand, John Dundon

- A need to review the DHI on sand movement and consider how we can ensure 115,000 cubic metres of sand is coming back into West Beach and from where will it come from.
- Need to consider the best design for the placement of the mass fill at West Beach (500,000 cubic metres of external sand) to minimise loss and address beach amenity.

Tennyson Dunes Group, Nick Crouch

- Is there any science behind harvesting of sand and how it affects Tennyson and what will the pipeline impacts be on dune ecology and beach nesting birds?
- How much of the sand gets lost out to sea after each movement?
- If a possible sand source is considered to be off-shore at Port Stanvac, what are the impacts on the coastal marine environment likely to be
- How can we be sure that future development won't lock up sand as previous developments have done? How do we ensure this does not happen in the future?
- Need to look at the whole environment and give consideration to the timing of sand harvesting operations on beach nesting birds.
- Where is the seagrass restoration project at? This is a good strategy to slow sand.

Tennyson Dunes Group, Mark Pierson

- Is this the right strategy, there are other ways to slow the rate of sand movement (quoted Bob Culver report)

- Are we “robbing Peter to pay Paul?” and will taking sand from Semaphore cause further erosion at Tennyson?
- Find a way to address stormwater outlet issues because they cause erosion and destroy the dunes and the stabilisation/planting work that the community have undertaken.
- The current approach feels like it is working against nature – has due consideration been given to other alternatives?

Henley Dunes Care Group, Bernadette Cranwell

- The West beach Boat Harbour has contributed to the issues being experienced at West Beach – how can we be sure that another man made structure will solve the problem.
- Concerns about the displacement of restoration work undertaken by the volunteers
- Concerns regarding the visual impact of the pipeline infrastructure
- Once the sand is in place via the pipeline how will it stay there? Sand brought in needs to tie in with planting timelines.
- Some community members feel there are better environmental solutions.
- Are we looking at world research and what is it saying?
- Would like to see some creative ways of dealing with the infrastructure.

Henley Dunes Care Group, Lisa Redman

- Has there been consideration for future predicated climate change issues?
- How is the pipeline project being evaluated? What is the criteria for evaluation – both longer term project objectives and at different stages of the project.
- How will community groups and smaller groups be supported, what is the role and expectations of these groups, is there any funding and how will the groups be supported via engagement?

West Beach Surf Life Saving Club, Peter Zuill

- What are the plans to let the community know how the project is tracking, outcome of the sand trials etc?
- Are there any plans for the pipeline extending to Glenelg North – the small section between West Beach and the Patawalonga?

Western Adelaide Coastal Residents Association, Bert Brown

- What is the history of the erosion at West Beach, is the boat harbour the problem, what has been the cause of the issues at West Beach? Is it a historical issue?
- Agrees that an Environmental Impact Study should be considered
- Are there other sand shifting approaches for example barges that could be used? Have other sources of sand been considered such as Section Bank and external sand sources?
- How will the pipeline affect the dunes? Will the alignment look to existing paved areas (ie: existing pathways) or through dunes?
- Is a management plan going to be developed and endorsed by Council as it is part of the Act?

Semaphore Surf Life Saving Club, Paul Breden

- If the quarry sand or Port Stanvac sand is not suitable what is plan B – will you go north again?
- How will safety be considered and managed relative to beach access and use during construction?

Conservation Council South Australia, Craig Wilkens

- Appreciate the early engagement and the genuine listening of community needs from the department.
- Interested in the localised impacts at Semaphore and the route of the pipeline.

- What the opportunities will be for group involvement?
- How long will the benefits last and what is the potential gain and how long will it last?
- The community need to hear the thinking around the department's decisions for the strategy.

Save our Shores Semaphore to Largs, Jill Kennere

- How much sand will be moved annually, where from, for what duration and at what time of year?
- How many intake points will there be in the pipeline and where will they be located?
- Will the sand sourcing be shared with other beaches further south where there is more than an adequate supply of sand?
- Will the sand collected at Semaphore only be used to replenish Semaphore South? Is there a guarantee that no more will be taken to beaches further south?
- Will an Environmental Impact Study be performed? Re dune erosion and subsequent loss of vegetation and habitat for fauna - noting that DEW has addressed this to a degree through the recent flora assessment from Semaphore South to Largs Bay. The scope and detail for the brief would need further work.
- Is sand replenishment actually increasing the rate of erosion at both the intake and outlet points? Does disturbing the sand expose the area to erosion?
- Concerns about the removal of shell and seagrass material from this ecosystem. Is it possible that by removing tonnes of carbonate in the shell matter, we are altering the nutrients in the marine environment?
- The intertidal zone is an important part of the marine ecosystem. What are the effects of removing the organisms when moving the sand (tubeworms, crustaceans, etc) on the food web? (eg. fish, crabs, shorebirds etc)
- What equipment will be on the beach? What time of day and how much area will be impacted? Concerned that trucks may be used to transport sand to the intake point of the pipeline. Want to know how much of the beach will be affected at any one time.
- What is the cost to run the pipeline annually once it is established?
- Will the water pipeline on Semaphore jetty have any direct impact on fishing activities?
- Will the Semaphore South area that is about to be revegetated and re-fenced have to be dug up to lay the pipeline?
- Had initial concern about the impact of laying the pipe through the dunes, however having been on a pipeline tour, this is not the case - now understands the impact is very short-term and not concerned about this at all.
- Keeping in mind that Semaphore/Largs Bay is the nearest beach for about a third of Adelaide's population, how does DEW see this area in relation to its management of Adelaide beaches plan? Is it simply a sand source as has been evidenced in previous department documentation, or is it more highly valued? Surveys that the community group took last year indicated that the majority of people using the beach and foreshore are not local they were from Barossa, Salisbury, Modbury, Mawson Lakes, etc - virtually anyone north of Bower and Grand Junction roads use this area.
- If the rate of sand drift north is 100,000 cubic metres and 100,000 cubic metres of sand is removed from Point Malcolm each year, why is there a need for the pipeline to start north of Point Malcolm? Queried what the actual amount of annual sand drift is – 100,000m³ or 115,000m³ per year? How much sand drifts past the breakwater?

- In what ways are the local indigenous communities being involved and consulted on this project? (Noted that a brief comment was made at the beginning of the session about engaging Aboriginal communities).

City of Port Adelaide Enfield, Maggie Hine

- General comment, the long term view should move towards coastal adaptation as opposed to coastal protection, this will allow a look into the long term future and open up dialogue around climate change.

Thursday 30 April – Meeting 3

Western Adelaide Coastal Residents Association (WACRA), Jim Douglas

- Will the Coast Protection Board reconsider re-engaging DHI to provide location mapping re deposits of sand at West Beach and Henley Beach South and effects of mining on Semaphore and Largs?
- The community are calling for an EIS for whole of metro coastline – will the government consider this?
 - There have been concerns for a number of years about the whole coastline.
 - DHI have done some work on 'cell 3' but not on the impacts on beaches further north.
 - Well aware that an EIS would take a couple of years to conduct – however an EIS would give greater understanding about sand movement and issues explored by AdaptWest re sea level rise and climate change – would be a more extensive study that would allow far greater input from community and local government.
 - DHI work has been very good – but has been brief and not encompassing broader issues. DHI would have looked at the whole of the cell 2, however the report doesn't cover where the sand is coming from therefore how can you convince the community that removing the sand from Largs Bay to supply West Beach is the right thing to do? It would be good to get a position from DHI to look at this issue and give scientific understanding about what the real impacts are going to be.
 - *James Guy noted that the DHI scope did expand to look at cells to the north of West Beach and this can be discussed at a future workshop. Jim commented that his group didn't think the DHI work was enough, and that if taking sand from within the cell at West Beach (Torrens Outlet) was causing greater erosion in that cell, then this could happen at Semaphore or even Tennyson.*
- Will the work already completed through the AdaptWest study be considered particularly around Semaphore and Largs area with regards to climate change and sea level rise? These areas are low lying areas.
- Will the government and agencies provide a guarantee that they will continue to replace the loss of 115,000 cubic metres of sand per year at West Beach? Would like to see more than an 'intention', want 'guarantee' that it will be replaced.
- Where is the 500,000 cubic metres of sand coming from? The Adelaide Living Beaches strategy stated that the source of sand was considered to be Section Bank at Outer Harbor – why isn't that sand being considered as a sand source?

- Stormwater management and water quality is another issue, the Barcoo, Torrens Rivers plus hundreds of stormwater outlets – how are we going to better manage this; it's going to be an issue if we are going to revegetate as the stormwater drains take out a whole heap of vegetation from the dunes and there is also water quality issues. Seagrass is essential to slow down littoral drift.

Western Adelaide Coastal Residents Association (WACRA), Geoff Short

- The benefit of an 'EIS' is that it would cover the whole of the metro beaches, the DHI report was specific to West Beach. Inevitably what is done at one part of the coast will impact on the whole of the coast.
- There hasn't yet been a comprehensive assessment of the economic, environmental and social impacts of managing the beaches, it would be helpful to have an EIS that covered a broad range of scientific input so that every option could be considered looking to long term and lasting solutions.
- It is recognised that to undertake a full EIS will take time. Given this, interim works must continue especially as it relates to West Beach while looking at the 'longer term' solution for future generations.

Wild Endangered Dunes Group (WEDGE), Geoffrey Reed

- The outflow into the gulf from the Torrens Outlet is recognised by fishers as a bit of an environmental disaster. Past issues with water quality into Gulf killing seagrass.
- Attended the tour last year to see the pipeline and was impressed with the work that has been done. Interested to know re the location of the pipeline (under road/reserve/beach, etc) and how that may link with the coast park path, especially with regard to access for repairs and maintenance.
- Interested in the design of the cooling tower unit noting they are large constructions and will be of concern to residents along the esplanade.
- Interested in 'low impact' infrastructure

Friends of Gulf St Vincent, Mike Bossley

- Agree with a lot of what has already been said
- The pipeline is a short term solution – don't forget that re-establishing seagrass beds is essential together with addressing water quality issues also.
- Concerns regarding the environmental impacts on marine life relating to sand movement.
- Has the shellfish reef location been announced and will that be impacted by the project?

City of Charles Sturt, Kelly Mader

- Location and life of the existing assets along the foreshore and if there's anything council can do from an asset perspective to work in with the project, are there any other benefits that can be achieved from an asset perspective?

Coastal Ecology Protection Group, Monique Webber

- Interested in the pipeline alignment, booster pumps, transport mechanics and the efficiency of the pipeline with regard to energy and costs and social economics.
- Interested in pipeline maintenance and access, noise impacts of booster pumps and inlet and outlet placement.
- Will dune rehabilitation be undertaken on parts of dunes that may be disrupted during pipeline construction and what will be the environmental damage?

- CEPG's interests also include the location of the construction corridor, and environmental damage mitigation pre, during and post construction of the pipeline
Coastal Ecology Protection Group, Alan Simpson
- Has a background in sand movement and is interested in design and specific operations of the pipeline. Is the pipeline the right answer? The current pipeline operates 4 months per year, 6 hours a day, (this equates to 5% of the time). Is this providing value for money? Is it the best option and how are the issues going to be addressed when the pipeline doesn't work?

Adelaide Sailing Club, Peter Royle – no comments

Henley Surf Life Savings Club, Rae Lawson – no comments

7. Prioritisation of key issues

Please refer to Attachment 3: Workshop themes

8. Wrap Up and Close

Cate Hart closed the session thanking participants for their time and input, noting that community engagement is a critical aspect of the project and that she would be providing updates directly to DEW executive and the Minister.

ADDENDUM

Severe weather from 29 April to 2 May 2020 caused erosion at the Rockingham Street dunes, West Beach. In response, from 4 May to 8 May 2020 DEW undertook urgent replenishment of the Rockingham dunes by moving sand from the River Torrens Outlet area. Stakeholders were advised of these works, including John Dundon, from Save Our Sands West Beach. John requested clarification of several issues in relation to these works and has requested that the response from DEW be provided to attendees of the workshops. *Refer to attachment: faqs urgent works to replenish west beach.*