

ZANDVLEI PROTECTED AREA ADVISORY COMMITTEE

MINUTES

MEETING HELD AT THE IMPERIAL YACHT CLUB, MUIZENBERG ON WEDNESDAY 27
September 2017

Present:	Bernelle Verster (BV) Gavin Lawson (GL) Peter Kruger (PK) Nyanisa Tshaya (NT) Anthony Roberts (AR) John Fowkes (JF) Sandra Fowkes (SF) Joshua Gericke (JG) Dalton Gibbs (DG) Andy Killick (AMK) Neil Armitage (NA)	Chair, ZPAAC CBC TZT DEA & DP, Coastal Management CTEET ZVT, Westlake Wetlands Project ZVT Manager ZENR CoCT Recreational Fishing, resident UCT
Apologies	Carol Watts (CW) Gillion Bosman (GB) Abdulla Parker Aimee Kuhl (AK) Dr Dave Walker	Minutes (Retired from minutes) CoCT – Council TCT CoCT Councillor, ward 64 Sea Cadets /CPUT
Invited:	Willie ZAA Engineering (but apologised – sent presentation)	

Item		Action by	Date due
	Meeting opened: 14h06		
1.	Welcome: Extended to all by Bernelle Verster		
2.	Attendance Register: signed by all.		
3.	Minutes of previous meetings: Matters Arising: i. Letter to the City - ZCF Letter to the City for the green Jobs bungle – JF did send it. ii. Clarification of missing role iii. Task group for knowledge management at ZENR v. Documentation incl Clarification: Minutes to go on website. (Also: Interacting with wider stakeholders, role of ZPAAC, representatives attending ZPAAC (using Mike Ryder as case study)	PK to send obo of TZT, BV to send obo of ZPAAC (Sent on 19 Oct)	

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	<p>(Josh Quarterly report ?)</p> <p>All agreed for minutes go on website after checking, acceptance by meeting stakeholders, after the next meeting.</p>	BV	
4.	<p>City Matters</p> <p>Steenbras Nature Reserve was formally promulgated last week. We expect thus in the next few weeks that Zandvlei will be formally promulgated under the Protected Areas Act. This will be the culmination of a 10 years process and will give Zandvlei as high a legal protection as possible.</p> <p>ACTION: newsletter for the web</p> <p>Ad for Josh's position has gone out. A False Bay position recently filled, but rejected that, using this as an opportunity to upskill the post. Next week Tuesday decision. External advertising. Process may take a month or three. Mark Arendse is acting, and Andrea is reporting to the East (correct?)</p>	GL	
5.	<p>Province Matters</p> <p>DEA&DP</p> <ol style="list-style-type: none"> 1. The Western Cape Provincial Coastal Committee (WC PCC) Was held on the 17th August 2017 2. State of the Coast Reporting The draft State of the Coast report is being drafted and a draft is expected at the end of September 2017. 3. Coastal Vulnerability Assessment: Breede River Estuary Floodline This project has been concluded. Floodline Information was distributed to Municipal officials. A formal letter will be sent to Municipalities to inform them of the availability of the information. 4. Estuary Management Programme Estuary Plans are being quality assured, Zandvlei EMP is one of the Estuary Plans which went through quality assurance to ensure the quality of standard is met before handover to the municipality. 5. Capacity Building, Awareness and Education Coastal Management appointed the Two Oceans Aquarium as service provider to rollout the Marine Outreach Education Programme for the Western Cape province over the next 3 financial years. 6. Provincial Coastal Access Strategy and Plan for the Western Cape and Coastal Access By-law for the Western Cape They have been finalised and a circular is also being drafted notifying coastal municipalities 7. Coastal Management Lines and Implementation Mechanism The project is still underway 8. Public Launch Sites Operational Plans for PLS are being developed for the Municipalities by the Department. 		
6.	<p>Memberships and Representatives Update</p> <ul style="list-style-type: none"> • Carol Watts retired from minutes, requested to stay on mailing list 		

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7.	<p>Project list report back and update</p> <p>Prioritisation of projects:</p> <ol style="list-style-type: none"> 1. Sediment : Mouth – need to deal with THIS SEASON 2. Sediment : Main body 3. Litter trap 4. Weed harvester 5. Nutrient management (aspects of which is covered in 1 – 4) <p>The Chair asked to instate committee portfolios: have a lead person on each project, but also have a contingency plan for poor progress, bearing in mind we are volunteers. There was no response, this will be addressed at the next meeting again.</p> <ul style="list-style-type: none"> • Weed harvester: Not much to say, need to innovate other solutions. • Litter trap: Presentation: Update on litter trap Located: Sand / langevlei) <p>ZAA engineering has been tasked with the design of an alternative litter trap for the sand river canal. Met with Neil Armitage (UCT) on Monday, 21 August at ZAA offices in Hout Bay.</p> <p>Requirements:</p> <ul style="list-style-type: none"> - The litter trap is to operate during high flow conditions - The chosen solution must trap as much litter as practicable including if possible small floating debris - The trap must not cause any upstream flooding <p>Progress: ZAA is currently in the process of completing the following:</p> <ul style="list-style-type: none"> - Compiling an inception report detailing the specific design parameters and modelling techniques to be used - Developing the sand river catchment model using gis data recieved from the city of cape town - Finalising the hydrological modelling methodology and setting up a model using storm water modelling software (swmm) - Reviewing potential litter trap solutions <p>ZAA is taking great care to consider holistic solutions which consider public interaction, nutrient management and sediment management. Cost is a concern.</p> <p>Supporting Report : 2016-11-litter-impact assessment anchor environmental.pdf</p> <p>NA report back :</p> <p>One possibility : The biggest challenge is we need some height difference. To work around this is a ponded area. Perhaps build something that can serve simultaneously as a sediment trap and a litter trap. Along with e.g. fishing nets. Slow the water down a lot in the pond, which also gets the sediment to drop out. Design it to be maintenance friendly. Can drain the pond periodically and scrape it. But currently more a theoretical study, until we understand the flows.</p> <p>Perhaps something like a oversized pool, and a simple weir with a outlet sluice.</p>		

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	<p>What can we do to help this move ? Bathy survey, flow measurements (4th year project ?) Then potentially modelling, get a good hydrodynamic model going. Then we can figure out what our tidal movement will look like. Need : good flow data in canal during storms. An idea of total litter load. But realistically this takes 30 years. We can model it with an order of magnitude indication even without data. We can't find the one Kriel did. Follow up note : ZAA does have the Kriel model, from email (9 Oct): "The link sent by Lloyd did contain the Kyle Kriel models. There are more than 15 SWMM models, and I am currently in the process of reviewing the work that was done. From a design perspective it is important that the hydrological modeling is done correctly, and I am reluctant to rely on the inputs and assumptions made in those models. Once we have developed a robust hydrological model for the catchment we can begin to evaluate the appropriate litter trap solutions." We can estimate litter from Neil's old work, order of magnitude confidence. But we just need to 'suck it and see'. Then need better data in second, third phases.</p> <p>Looking forward we need SUDS in the City !</p> <p>Dalton : If we are building a 'swimming pool', if it's near a sewage pump station, then can we have it for overflow risk management ?</p> <p>Would work on both Lange and Sand – at the confluence (proposal at this stage) Anthony : Litter trap is just north of road reserve</p> <p>Note : For the vlei to function as a nursery, we need a certain type and amount of sediment. Unlikely that this trap will stop all the sediment, but worth remembering.</p> <ul style="list-style-type: none"> • Litter reduction upstream: MK recycling right next to dodgy recycler. Source separation as part of Dream Zandvlei and all local business participation. For next meeting: Mark Arendse, interim manager suggested closing the canal tops to prevent litter ingress. • Dredging / Sediment Management Two sites of dredging, have different requirements. JG: in short term sediment is getting dire. Telcott to give presentation at next meeting There is a R300k operational budget but this is only to have some form of maintenance. We need a bigger project for a proper dredge. For the past two years we have been skipping dredging to 		

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	<p>maintain salinity. Would have needed to hold off until dredge is over, but now the mouth is sedimented up to the point where we can comfortably dredge.</p> <p>BUT All budgets have been cut by 5% for drought relief measures.</p> <p>ACTION: JG find out if Telcott's budget is committed already.</p> <p>ACTION: Andy to send finished presentation Joshua.gericke@gmail.com</p> <p>ACTION: add JG private mail to list write snippets for:</p> <ol style="list-style-type: none"> 1. Public newsletter 2. Annual report for a proper dredge <p>In terms of planning for dredging: When is best time to start dredging (to work back to tell public). April May a decent time each season, but also good time for fish movement. Looking for: light/no wind, neat (?) tides, ideally cooler weather. Better when mouth is closed. localised oxygenation events – better if mouth is open, want sediment moving outwards. But easier if mouth is closed. Won't conflict with Tiki events</p> <p>What is risk of mouth not opening? (sediment build up) If we don't dredge, the natural water will rise and rise until cuts through. Not good for properties.</p> <p>There is Kevlar lining in the sewer pipe where the rubble weir is, so dredging can be done a bit more innovatively, e.g. a V-shape to have the water cut a channel.</p> <ul style="list-style-type: none"> • Westlake Wetlands / Nutrient Management Current construction on the 13 mile bridge. Maintenance only. • Paddle run event: 25 November 		
8.	<p>Financial, Operational and Political Strategy</p> <p>8. Financial, Operational and Political Strategy The need for a Funding/Media person, and remuneration for this person was raised, the committee was asked to think about it.</p> <p>TRUP / Liesbeek as inspiration EPIP funding – applications open – Nyanisa to send details:</p> <p>Contact person is Londeka Phetha 071 6157084: Please do refer back to the presentations when drafting the proposals. Among others, please consider the following:</p> <ul style="list-style-type: none"> - EMP implementation projects (big focus on estuary management) - Youth programmes (e.g. environmental monitors) - Municipal support programmes (e.g. waste administrators, greening projects, park maintenance, stipends paid, municipal official act as mentor) - -tourism related projects (e.g. PLS facilities, parking, B&B establishments, EE centres) - Big focus on Education & Awareness (e.g. signboards, awareness 		

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	materials) More info in presentations: Dropbox link with presentations: 1 (2.5MB): https://www.dropbox.com/s/ixp8iwov83p1lsg/DEA_EPIP_programmes_1.zip 2 (10MB): https://www.dropbox.com/s/z8laythkpfj2qw7/DEA_EPIP_programmes_2.zip		
9.	<p>General</p> <p>BOOK THE VENUE! – added Karen to mailing list</p> <p>iv. Nomination of Joshua Gericke as special advisor to ZPAAC Nominate: Gavin Lawson obo CBC Seconded: Peter Kruger obo The Zandvlei Trust Joshua accepted serving as special advisor, with thanks.</p> <p>Not discussed at last meeting, moved to next meeting:</p> <ul style="list-style-type: none"> • Caravan Park - Aimee/representative? Quarterly reports from ZENR - Josh • Events: - Bernelle Common calendar for events in Peninsula? Muizenberg Festival – ask Cape Town Tourism Paddle run and catchment events School holiday programmes? – Scouts, Sea scouts, not coordinated. • Water Use Bylaws: Recreational use. needs to get back on agenda. MdaG has special bylaws. – Dalton please check where these are. 		
10.	<p>Any Other Business: Next meeting: tbd for ZAA progress, Gillion’s meeting, ZENR new person.</p>		
11.	<p>Next Meeting: November 15th 14:00</p> <p>Meeting closed: 15h05 (it was outside and we were cold)</p>		