

AGENDA

		Lead	Approx. Timing
1	Welcome and Introductions	Cllr Harry Blathwayt	5
2	Previous Minutes: Meeting of 2 nd November 2022	Cllr Harry Blathwayt	5
3	Environment Agency Update	Mareth Basset Catherine Harries	30
4	Coastal Partnership East Update - Overview <ul style="list-style-type: none"> - GYBC R&M Update - NNDC R&M Update - Cromer and Mundesley Scheme Update 	Karen Thomas Brian Farrow Fiona Keenaghan	25
Break			10
5	70 th Anniversary of the 1953 Floods Film	James Cochrane	10
6	Coastal Transition Accelerator Programme Update	Rob Goodliffe	15
7	Resilient Coasts - GYBC	Charles Krolik-Root	15
8	Date of next meeting – 11 th July 2023 <ul style="list-style-type: none"> • Request/proposal for items 	Cllr Harry Blathwayt	1
9	Any Other Business	Cllr Harry Blathwayt	
Close			

Supporting officers:

Karen Thomas, CPE
Brian Farrow, CPE
Fiona Keenaghan, CPE
Rob Goodliffe, NNDC
Charles Krolik-Root, CPE
James Cochrane, CPE
Thomas Walker, CPE

Invited speakers

Mareth Bassett, EA
Catherine Harries, EA

NORFOLK COASTAL FORUM

Minutes of the meeting held on

Tuesday, 2 November 2022, 10.00 am
Via Zoom



Present

Members

Cllr Angie Fitch-Tillett (Chairman)	Portfolio Member for the Coast and Poppyland Ward
Cllr Liz Withington	Sheringham North Ward
Cllr Wendy Fredericks	Mundesley Ward
Cllr Victoria Holliday	Coastal Ward

Officers

Rob Goodliffe	Coastal Manager, CPE/NNDC
Brian Farrow	Coastal Engineer, CPE/NNDC
Peter Jermany	SMP Coordinator, NNDC/CPE
Colin Bye	CPE
Martyn Fulcher	Director of Place and Climate Change, NNDC
Sandra King	Corporate PA, NNDC (taking notes)
Thomas Walker	Coastal Technical Support Officer, NNDC
Emma Denny	Democratic Services Manager, NNDC

Also Attending

Andrew Jamieson (Cllr)	NCC / Chair of NCP
David Spray	MMO
Denise Revell	Witton PC
Ed Foss	Norfolk Coast Partnership
Eric Vardy (Cllr)	Norfolk County Council
Gordon Partridge	Overstrand Parish Council
Isabel Cotton	UEA
Jaap Flikweert	RHDHV
James Bensly (Cllr)	Great Yarmouth Borough Council
Julian Gregory	Eastern IFCA
Kellie Fisher	Environment Agency
Mike Watts	Secretary, Holt Sea Angling Club
Noel Galer (Cllr)	Great Yarmouth Borough Council
Peter Terrington	Sediment Advisory Group
Richard Price (Cllr)	Norfolk County Council
Robin Buxton	Chair, IDB
Ruben Borsje	RHDHV
Sarah Bristow	NALC
Dr Sophie Day	UEA – seconded to CPE
Terry Brown	Trimingham
Tony Thomas	Sea Anglers Association
Trevor Tolhurst	UEA

1.	<p>Welcome and introductions</p> <p>The Chair welcomed everyone to the meeting.</p>
2.	<p>Apologies and minutes</p> <p>Apologies:</p> <p>Tim O’Riordan, Katy Owen, Jane Beck, Victoria Egan, Rob Wise, Marie Pierre-Tighe, Irene Lorenzoni, Tamzen Pope, Richard Leeds, Paul Wells, Cllr Ron Hanton</p> <p>The notes from the last meeting held on 5 July 2022 were confirmed as a true record and will be signed by the Chairman. Action: Sandra to correct the spelling of Cllr N Galer.</p>
3.	<p>Sandscaping Scheme Update – Ruben Borsje, Jaap Flikweert</p> <p>Jaap:</p> <ul style="list-style-type: none"> • Doing lots of monitoring and analysis and the scheme is doing as was planned with sand moving along the beach as expected. • Still expecting the beach to last 15-20 years • The coastline has been eroding since the last ice age. • Bacton at risk so looked for a solution that would protect this key national infrastructure and also something that would protect nearby villages along the coast • Inspired by Sandmotor project in the Netherlands • 1.8m m3 of sediment placed with very high protection level in front of the terminal. • The community was supportive from the start. • The UEA looking at the outcomes and learning from the project with a view to applying the lessons learnt to other areas. <p>Ruben:</p> <ul style="list-style-type: none"> • Since placement in 2019, the terminal companies and NNDC have done an extensive monitoring programme which is also supported by the Dutch government. • Developed to monitor uncertainty as a new concept. • Jet skis used to help with surveying. • Reviewing for the lifetime of the scheme. • Two main changes of the beach with a beach scarp in front of the terminal and spreading along the foreshore along the coast as anticipated with increase in beach levels towards Happisburgh as well as further downdrift. • 85% of sediment is still in project area with a slight decrease in sediment in front of the terminal from the placed sand. • Update modelling to predict lifetime more accurate. • Built a digital twin of the beach which is fed with monitoring data to update predictions. Can monitor where any interventions might be needed. <p>Jaap:</p> <ul style="list-style-type: none"> • The scheme solved a problem that seemed unsolvable and is supporting beaches from Mundesley to Happisburgh. <p>Questions:</p> <p>Angie - a belief from residents that there was once a sea wall but this was an apron for sea defences and a good beach is actually the best defence.</p> <p>Cllr Eric Vardy – re climate change – if sea levels rise, does the model project what intervention might have to take place in respect of impact on communities?</p> <p>JF – taken some climate change statistics into account. Changes not so big in the next 15-</p>

20 years and models will tell us if there might be a shorter life after this time.

EV - about reassuring our communities that might be affected.

Cllr Noel Galer – re the LIDAR technology – understand very precise but some have cast doubt on accuracy of position of any parts of the scan. With modern GPS, feel large objects could be taken at the same time to calibrate the LIDAR scan.

RB - strongly dispels that myth with LIDAR being a proven technique which is tracked with GPS.

Gordon Partridge – re digital twin – can it be used to look at short term issues such as surges?

JF - version doesn't do that as looking at the longer term but does look at any management impact i.e. storms to look at how dynamic it would be, but this is not what this digital twin was designed to do.

Cllr Liz Withington – is there an image that shows what could have happened if no intervention from Sandscaping had taken place.

JF – it could be done to look at storms in October 2019 after placement and could be done with the right data. Also a long term view and that was a crucial part of the business case for the scheme. Could be done and produced if required.

Rob Goodliffe – wanted to stress the methods used are new to the UK and enable us to have an overlap so a really cutting-edge form of monitoring with learning to be used elsewhere. Re recent data capture – is there any news or key things on this yet?

JF- not yet see this yet.

Tony Thomas – will the output from the digital twin be available to the public?

JF – developed with the Beach Manager i.e. Rob and Terminal companies. Need to think about the best way of providing information to the wider community interest. To be discussed with Angie further.

Brian Farrow – is there any impact on updrift on the system as this year Mundesley has a really good beach and wondered if any sand might have come up on the eb tide?

JF – not analysed data yet but good to hear that is the case.

RB – Sandmotor evidence shows this was observed with spread both ways. A good lesson learnt of the benefits.

4. **Sediment Working Group – Peter Terrington**

- PT was born in Wells and has a key interest in the local coast.
- Membership of SWG includes individuals and organisations who have experienced the direct impacts of sedimentation or are members of clubs and organisations with interests in the longshore economy or recreational navigation
- Comes under the North Norfolk Advisory Group and covers the area from Gibraltar Point to Weybourne. The Wash and North Norfolk Marine Partnership (WNNMP) funds three geographically distinct Advisory Groups of which we are talking about the NN Advisory Group made of current community members, relevant authorities and other interested bodies.
- Original aims of the group envisage a proactive approach to sedimentation issues.
- Sediment is a good thing, have a coastline of accretion. Reclaimed marsh land behind sea walls about a metre lower than the salt marsh which could cause issues in the future with predicted sea rises.
- Funding from FLAG to collect sediment and do research but this was rather ambitious and the approach was abandoned. Reformed in 2019 with less ambitious aims.
- Had great support from project managers at the WNNMP. Aims changed to a more realistic approach so now monitoring and looking at the affect on local people. Mainly just listening, talking and coming up with some mitigation measures.

- The group is not directly involved in scientific research, direct action, litigation or proposals for channel works although its members may well be, as individuals, or through other organisations.
- Current issues:
 - Sedimentation monitoring between Wells and Blakeney with aid of Lidar difference models.
 - Transition from a MMO Licence, in Wells Harbour to a Natural England Assent.
 - Updates on Blakeney Channel and Cley Harbour Improvement schemes.
- Causes of sedimentation:
 - Natural causes
 - Combination of natural and anthropogenic causes
 - Anthropogenic causes
- Local issues – pollution, sedimentation from development in the North Sea, coastal works, marine defences, dredging, wind farm works
- Environmental data available but difficult to understand so some support with understanding from the EA.
- Impact on natural habitats - eelgrass surveys every 5 years – also impacting under the mud.
- Also, an impact from clay which is not allowed to be removed in Wells Harbour as is classed as hazardous waste. A large deposit of clay in outer harbour which has been deposited by dredging the channel.
- An impact on sediment and placement of sand has had an effect on recreational sailing.
- Important to listen to local people!

Questions:

Cllr Noel Galer - of the chemicals that need to be tested for in the clay, have any tests been carried out, was anything found, was it of a concentration that would cause concern?
PT - as far as he knows, there has been no sampling done of the clay.

5. Broadland Futures Initiative – Kellie Fisher

- Kellie reported she will be moving to support the CTAP project
- The BFI is a partnership set up for future flood risk management in the Broadland area.
- A large area that covers three strategies that helps us plan work and where we are going to invest so important to plan well to better change our emerging climate and changes in sea water rises.
- Looking to find solutions to deal with predicted rise in sea levels.
- Have developed a flood model which is very complicated which has replaced an old model. Model will be useful to help plan for the future.
- Looking to keep democracy at the heart of decision making and involving communities.
- Impacted by COVID19 so took engagement online and believe have engaged and reached more people using this method.
- Have also met with people in person with an exhibition at the Broads Museum. Used some story maps and videos.
- Goal – framework will describe management intent.
- Website: <https://www.broads-authority.gov.uk/looking-after/climate-change/broadland-futures-initiative>

Questions:

Cllr Eric Vardy – very challenging. Myriad of obstacles that need to be overcome. People should be reassured that work is being done. The Broads is a beautiful area that we must protect.

6. Maintenance and Cromer and Mundesley Schemes Update – Brian Farrow

- Progressing two capital schemes, Cromer Stage 2 and Mundesley. Lots of similarities so taking them through together.
- Been working on both projects through COVID. Both schemes £7.5m and includes optimism bias and inflation. Possible start date Spring 2023.
- Specialist type works. Both schemes using Mott MacDonald and now Balfour Beatty appointed as the SCAPE Framework Contractor for the preconstruction phase.

Summary of works:

- Groyne refurbishment & rebuild where necessary
- Some new beacons at both sites
- Seawall & apron refurb works at both sites
- New apron works & promenade refurb works
- Rock bund toe protection at both sites
- New accesses – both sites
- Cliff Toe protection works – ‘grasscrete’
- Further consultation will take place with elected members, liaison groups and local councils as the schemes are further developed.

Revenue works:

- Regular basic works undertaken between Weybourne to Cart Gap Happisburgh to ensure effective and safe defences and to maintain safe public access to all beaches in all locations.

Recent works:

- Safety checks of handrails across frontage.

Sheringham:

- Renewing steps, struggling with those that are north facing.
- Flood tide and groyne gates – local cleaner asked to open flood gates on westerly tides which covers sediment in Sheringham.
- Repairs to deep scours.
- Beach access repairs and clearing with installation of anti-slip surfacing.
- Handrail replacements – constant works.

Overstrand:

- Completed works to Apron.
- Negotiating simultaneous wet and dry works.
- Groyne lifting – first time have seen this happen.
- Step repairs.

Sidestrand slip:

- Still not been able to clear debris but working on steps.

Trimingham:

- Critical for access to beach for NNDC.
- Regular monitoring of slipway.

Mundesley:

- Repaired floodgate.

Bacton:

- Revetment damage between Mundesley and Bacton.
- Ongoing timber revetment repairs, improving cliff toe and surface.

	<p>Bacton / Walcott flood gates:</p> <ul style="list-style-type: none"> • Regularly monitored and repaired. <p>Happisburgh earth ramp:</p> <ul style="list-style-type: none"> • Very vulnerable and keep it updated. <p>Questions:</p> <p>Cllr Liz Withington – have any decisions been made on the damaged beacons in Sheringham?</p> <p>BF will speak to Liz after the meeting.</p>
7.	<p>Norfolk and Suffolk Coast and Estuary Conference update – Sharon Bleese</p> <ul style="list-style-type: none"> • Was the first Norfolk and Suffolk conference. • 377 people attended – 141 in attendance and the remainder accessing online. • Content recorded and schools accessing so ongoing attendance continues for about 3 months after the conference. Will continue to do that and online is a good way to reach out to a wider audience. • Thanks to Sandra and Thomas for helping to get the invitations out to a wide audience. • Had a range of speakers and presentations and take learning from previous events. • Lots of good comments regarding the opening speakers with the chairs of the forums taking the lead. • Worst feedback around the more technical presentations. • Had a small exhibition and venue quite cramped and need to get better at promoting the online exhibition. • Online platform – used ‘eventee’ – some simplifications need to be done for future events and ‘eventee’ can assist with this. • Breaks needed to be a bit longer and will need to incorporate an afternoon break. Catering area not fit for purpose as very cramped • Shuttle bus arranged from the station and some people car shared but parking was an issue. • Feedback on what people would like to see at future events included suggestions under the following themes: <ul style="list-style-type: none"> ○ Climate and coastline – behaviour changes to alleviate climate crisis, environment dimension to coastal management, Benacre Ness, emergency evacuation plans ○ Ecology and habitat – contributions relating to environment and ecology, creating habitats that assist flooding and erosion, thriving economies in conjunction with the natural world in the Suffolk Coast and Heaths AONB ○ Progress, best practice – genuine progress and minimising the impact of irregular occurrences like 1953 and 2013, more positive collaborative experiences, focus on practical examples of best and emerging practice from around the world. ○ Format – larger venue, more young people, more shorter talks, continued mix of science, politics, third sector, public sector • Feedback really important in shaping future conferences. Any suggestions for the future conference or possible speakers please let Sharon know – will start planning the event in February 2023.
8.	<p>Coastal Management Project Update including National Coastal Erosion Risk Mapping – Rob Goodliffe</p> <p>SMP refresh:</p> <ul style="list-style-type: none"> • National project and guidance updated with health checks completed on all SMPs. • New SMP explorer website being set up incorporating all SMPs.

	<p>National Coastal Erosion Risk Mapping project:</p> <ul style="list-style-type: none"> • National project to update coastal erosion risk mapping across England – risk mapping underpins many activities and decisions on the coast. • A very important piece of work - looking at update assessment around risk mapping with updating tools to ensure as robust as possible and identify better ways of presenting information. It is hoped it will be available on the SMP Explorer website. . <p>Planning Policy – Coastal Adaptation Supplementary Planning Document (SPD)</p> <ul style="list-style-type: none"> • To combine and develop best practice across the Norfolk and Suffolk coast with regards to coastal change and meeting National Planning Practice Guidance. Provides guidance to planners, developers, households, businesses and coastal officers (no new policy!). • Draft will be presented to LAs before Christmas, then, if agreed, out to public consultation in the new year. <p>Coastal Loss Innovative Funding and Finance Project (CLIFF)</p> <ul style="list-style-type: none"> • Reports now available online on CPE and NNDC websites – piece of work done with multiple partners. • Now need to take learning to see how we can take forward through CTAP in North Norfolk and East Riding and done in a consistent way. <p>Coastal Transition Accelerator Programme</p> <ul style="list-style-type: none"> • NNDC and East Riding asked to lead the way. • Currently focussing on writing an outline business case to secure the full £14m potentially available for North Norfolk. • Guidance received in the summer. • Still early days and lots of work to be done with local communities and businesses – this will come in time and currently concentrating on business case.
9.	<p>Date of next meeting – 28 March 2023</p> <ul style="list-style-type: none"> • Agenda items - suggestions to be emailed to the Chair or one of the team. • A decision to be made if online or hybrid.
10.	<p>Any other business:</p> <ul style="list-style-type: none"> • There was no further business.
11.	<p>The Chairman thanked everyone for attending.</p> <p>The meeting ended at 12.06 pm.</p> <p>_____</p> <p>Chairman</p>