

**THE WASH EAST COASTAL MANAGEMENT STRATEGY –
STAKEHOLDERS FORUM**

**Tuesday, 18th October, 2022 at 1.00 pm in the Offices at Valentine
Road, Hunstanton and also as a Microsoft Teams Meeting**

AGENDA

1. **WELCOME AND INTRODUCTIONS**
2. **MINUTES FROM THE PREVIOUS STAKEHOLDERS FORUM
HELD ON 10 MAY 2022** (Pages 2 - 35)
3. **MATTERS ARISING**
4. **HUNSTANTON COASTAL MANAGEMENT PLAN**
5. **FUNDING GROUP UPDATE**
6. **SHORELINE MANAGEMENT PLAN REFRESH UPDATE
(ENVIRONMENT AGENCY)**
7. **COASTAL TRENDS REPORTS**
 - a) **Wash Trends Report Presentation (Borough Council)**
 - b) **Jacobs Groyne Effectiveness Report Presentation (external consultants)**
 - c) **4D Radar Report Presentation (Borough Council)**
8. **ANY OTHER BUSINESS**
9. **DATE OF THE NEXT MEETING**

BOROUGH COUNCIL OF KING'S LYNN & WEST NORFOLK

**THE WASH EAST COASTAL MANAGEMENT STRATEGY STAKEHOLDERS
FORUM**

**Minutes of the Meeting of the above held on Tuesday, 10th May, 2022
at 2.00 pm held on Zoom**

PRESENT:

Councillor Kunes (Chair)	-	Borough Council
Paul Bland	-	Heacham S Beach Owners Association
Councillor Devereux	-	Borough Council
Vanessa Gouldsmith	-	Natural England
Catherine Harries	-	Environment Agency
Laura Joyce	-	Natural England
Jade Kite	-	Borough Council
Claire May	-	Borough Council
Andrew Murray	-	Hunstanton Town Council
Adele Powell	-	Wash and N Norfolk Marine Partnership
Dave Robson	-	Borough Council
Michael Ruston	-	Chamber of Trade
David Spray	-	MMO
Michael Williamson	-	Heacham Parish Council
Adrian Winnington	-	Hunstanton Town Council
Rob Wise	-	NFU

APOLOGIES:

James Albone	-	Historic England
Councillor Beal	-	Borough Council
Councillor Bower	-	Borough Council
Michael Burton	-	Borough Council
Gemma Clark	-	Norfolk County Council
Terry Clay	-	Heacham Parish Council
Will Fletcher	-	Historic England
Mark Johnson	-	Environment Agency
Peter Lawton	-	St La Haye Ltd
Derrick Lloyd	-	Chamber of Trade
Michael Moore	-	Anglian Water
Tamara Rowson	-	Natural England
Jim Scott	-	RSPB

		<u>ACTION</u>
1	<u>INTRODUCTIONS</u> The Chair welcomed everyone to the meeting.	

2	<p><u>MINUTES FROM THE PREVIOUS MEETING</u></p> <p>The Minutes from the previous meeting were agreed as a correct record.</p>	
3	<p><u>MATTERS ARISING</u></p> <p>The Chair referred to the issue raised at the previous meeting relating to the width of the River in Heacham. He agreed to raise this at the next Internal Drainage Board meeting.</p>	PK
4	<p><u>COASTAL MANAGEMENT PLAN AND FUNDING GROUP UPDATE</u> (Pages 6 - 34)</p> <p>Officers from the Borough Council presented information on the Hunstanton Coastal Management Plan and Funding Group (as attached).</p> <p>The presentation provided information on:</p> <p><u>Unit A – Hunstanton Cliffs</u></p> <p>Information was provided on the annual programme of monitoring. Monitoring outcomes and information which was available on the website at Hunstanton Cliffs monitoring Hunstanton Cliffs monitoring Borough Council of King's Lynn & West Norfolk (west-norfolk.gov.uk).</p> <p>An overview of the 2020/21 terrestrial LIDAR monitoring was provided to the Group</p> <p>The monitoring outcomes observed no acceleration in erosion from the last monitoring period in 2019. There was, on average, 3cm loss per year across the cliff frontage with intermittent block fall events occurring. The most active area of erosion was in the southern section of the cliffs, opposite Lincoln Square North and Clarence Road. Annual monitoring and report production would continue until at least 2024.</p> <p>In response to questions it was explained that no interventions or changes to policy were required at the moment and additional post-storm cliff surveys would be carried out if there were severe flood warnings and/or significant wave impact on the base of the cliffs.</p> <p>Information was provided on erosion rates and data provided on the maximum and minimum amount of material loss from blockfall events and that no changes in policy were required at the current time.</p>	

Information was provided on the next steps which included additional surveys post 2024 and monitoring trigger and intervention points. The preferred method for intervention was rock armour and this had been costed.

It was also explained that climate change was not considered as part of the current monitoring report as it relied on the data provided and trends. However, it was acknowledged that climate change would have an impact and would need to be kept under review, with any downward trends being considered.

Councillor Devereux provided information on work being carried out by other organisations to monitor the impact of climate change and rising sea levels.

Dave Robson explained that the geology of an area had an impact on erosion rates observed and annual monitoring would pick up any acceleration rates. Costed management options were ready for when needed.

Unit B – Hunstanton Town

Information on routine repairs and planned repairs was provided to the Group. Repairs had already been completed on a slipway and to a navigation marked in the current financial year. A scheme of preventative floodgate maintenance and outfall clearance was scheduled to take place.

Unit C – South Hunstanton to Wolferton Creek & WECMS Funding Group Update

- WECMS funding group → https://www.west-norfolk.gov.uk/downloads/download/124/local_sea_defences_funding_documents

Following the meeting, Mike McDonnell from the CIC provided an update on the CIC funds. The CIC now had £1,012,278 funds with another £45,800 still outstanding from two caravan parks.

Information on the Funding Group, which covered Unit C was provided and it was noted that the programme was currently in year five of fifteen. Details of the funding contributors were provided.

Planning work for the mini recharge was now commencing and a lot of monitoring was being undertaken to establish when the recharge would likely be required. There was a sufficient amount of material currently available at Snettisham Scalp to complete annual beach recycling at the moment, as the area was going through an accretion phase. Information on how the recharge would be funded was provided to the Group.

	<p>Annual recycling works had been carried out in February and it was noted that costs were slightly higher this year because of additional monitoring required which must take place every 5 years and plant being on site for a slightly longer period.</p> <p>Catherine Harries explained that work was completed in February/March so as to not interfere with bird nesting periods.</p> <p><u>Coastal Trends Report</u></p> <ul style="list-style-type: none"> - Wash Trends Report. Published by the Anglian Coastal Monitoring Programme in May 2021 available at https://coastalmonitoring.org/reports/#anglia - Jacobs Groyne Effectiveness Report was a joint Borough Council and Environment Agency Report which was currently in a draft format. It was anticipated to be finalised by summer and officers would feedback to the Forum at a later date on outcomes. - Report from the 4D Radar which had been deployed from August to December 2021 was currently in draft with some further data analysis ongoing. It was explained that the data was currently being reviewed by Cambridge University. It was explained that this was a one off project for which funding had been secured, but options could be looked at to bring this back in the future if appropriate. <p>The Group discussed the different types of monitoring carried out and information was provided by officers on the range and data. It was explained that the monitoring was not broad enough to cover shipping lanes in the Wash.</p> <p><u>Coastal Meeting Group</u></p> <ul style="list-style-type: none"> - LGA Coastal SIG website → https://lgacoastalsig.com/ <p>The Environment Agency had undertaken a refresh of 2 SMP's in 2020 and no major changes had been required and details of work undertaken by other Groups was presented in the attached slides.</p> <p>The Group discussed the LGA Coastal SIG 'Motion for the Ocean' and Dave Robson explained that officers would be looking into this and it was planned to be presented to a meeting of the Borough Council's Environment and Community Panel in the near future.</p>	
5	<p><u>ANY OTHER BUSINESS</u></p> <p>Dave Robson explained that he would be undertaking a review of who was invited to the Stakeholder Forums to ensure that all interested parties were representative and if any Group Members were aware of Members that should be added, they should email</p>	<p>DR ALL</p>

	him. Councillor Kunes asked Dave Robson to check that representatives from the Internal Drainage Board were invited.	
6	<p><u>DATE OF THE NEXT MEETING</u></p> <p>To be held after the monitoring reports mentioned earlier in the meeting were published.</p>	

The meeting closed at 3.20pm

Introductions & Apologies

Minute Item 4

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**King's Lynn &
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Minutes of last meeting

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Matters Arising

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Hunstanton Coastal Management Plan Update

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Dave Robson and Jade Kite

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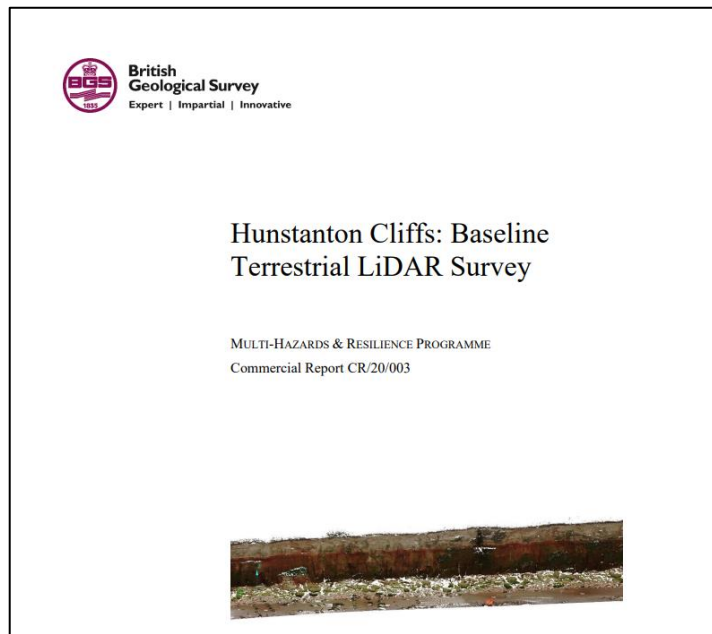


Unit A – Hunstanton Cliffs



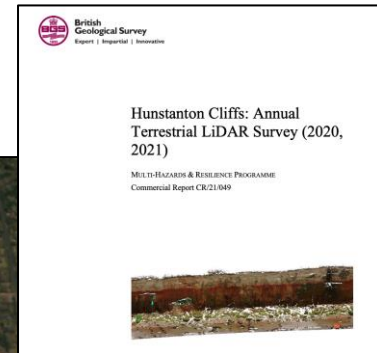
Unit A – Hunstanton Cliff Monitoring

- Recommended by HCMP
- Baseline report produced (2019)
- ¹¹₁₂ Annual and post-storm terrestrial LiDAR monitoring programme initiated over 4-years
 - Annual survey and report produced for 2020/21
 - No post-storm surveys have yet been required

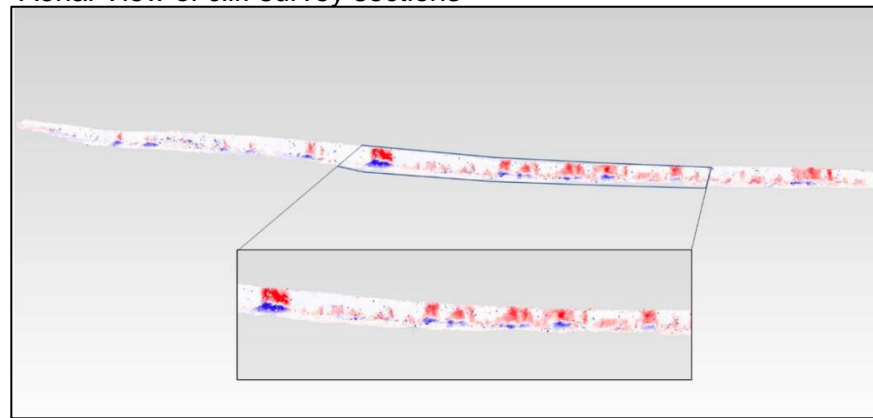


2020-2021 Cliff Monitoring Outcomes

- No acceleration in erosion observed
- Erosion is in line with previous report findings at 3 cm per year with intermittent blockfall events occurring
- The south section of cliff is the most active (opposite Lincoln Square North and Clarence Road)
- No changes to the HCMP are required
- Annual monitoring should continue



Aerial View of cliff survey sections



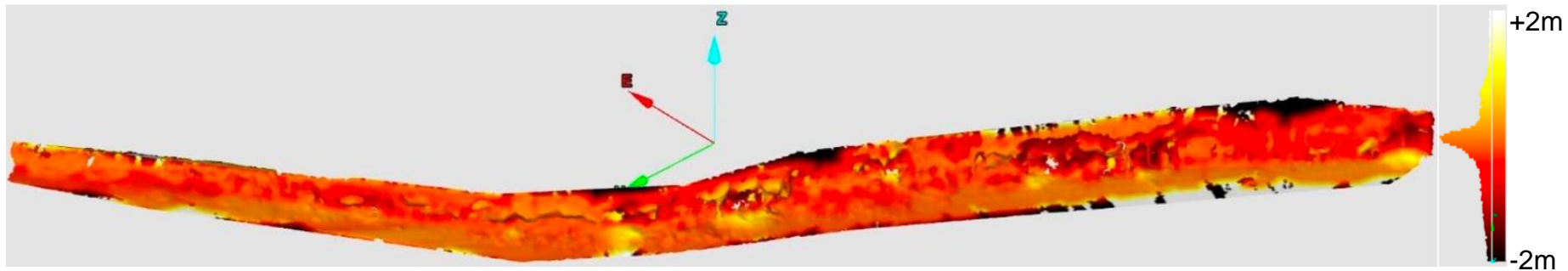
Cliff erosion and accretion (2010-2021)

Red = erosion

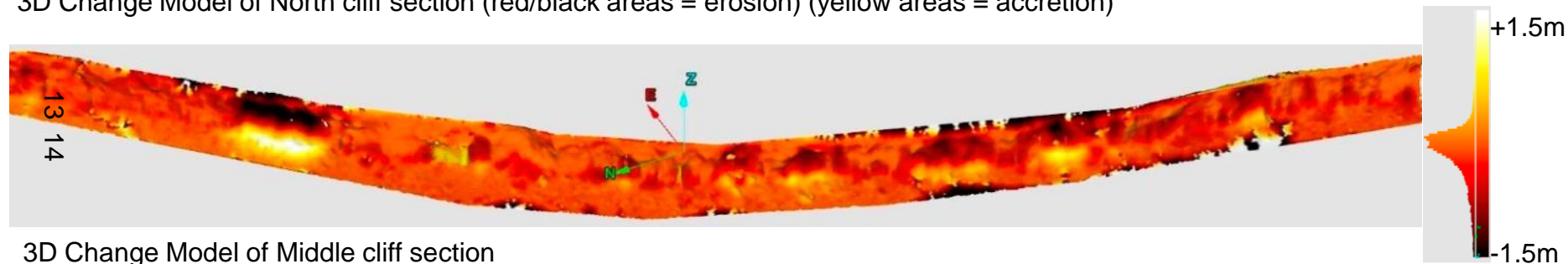
Blue = accretion

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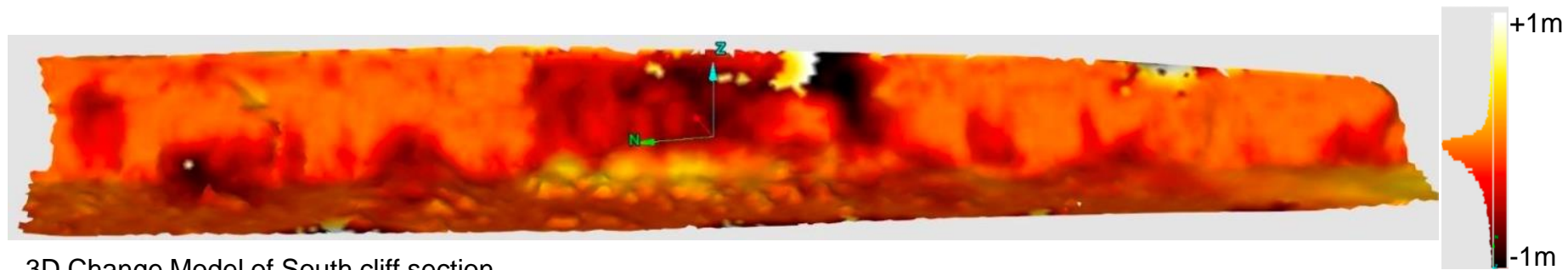




3D Change Model of North cliff section (red/black areas = erosion) (yellow areas = accretion)



3D Change Model of Middle cliff section



3D Change Model of South cliff section

Next Steps

- Latest annual survey was completed in April 2022 and we are awaiting data
- Annual report will follow by summer 2022 and be uploaded to our website
- Amount of erosion observed is as expected from previous reports, meaning no change to policy is required

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Green Line = 2030
Yellow Line = 2060
Red Line = 2110

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Unit B – Hunstanton Town



Works – 2021-2022

- Repairs to promenade, seawall, slipways, floodgates, groynes and navigation markers completed
- Total repairs spend for 2021/22 financial year was £62,456.05

Date	Defence Element	Repair Summary	Cost
06.05.2020	Concrete Groyne 8	Groyne repair and replacement of navigation marker	£1,830.00
10.06.2021	Navigation Marker (Concrete Groyne 6)	Supply and install groyne support	£995.87
08.12.2021	Concrete Groyne 6	Seaward end removal (not repairable)	£11,664.00
27.10.2021	Promenade, seawall and ramp	25 joint and concrete repairs	£31,706.68
10.08.2021	Blockwork Seawall	Repairs to loose blockwork	£1,742.50
12.01.2022	Blockwork Seawall	Replacement of missing blockwork	£3,295.00
22.11.2021	Floodgate number 8	Repair and replacement of seal	£2,560.00
22.11.2022	Floodgates	Replacement of missing handles	£142.00
20.05.2021	Handrails	Manufacturing and installation of 12m of handrail	£2,840.00
16.06.2021	Handrails	Manufacturing and installation of 2 vertical handrails	£5,680.00
Total repairs costs			£62,456.05



Works 2022-2023

- Repairs to slipway and navigation marker
- Preventative floodgate maintenance
- 17 18 • Coastal Defence Repairs Framework
- Outfall Clearance
- Further repairs will be completed as/when identified



Examples of repairs awaiting completion

Unit C – South Hunstanton to Wolferton Creek



WECMS Funding Group Update

- Currently in year 5 of a 15-year funding programme
- Members include:
 - Environment Agency
 - East Wash Coastal Management Community Interest Company
 - Anglian Water
 - BCKLWN
- Last meeting held on 13th April 2022

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Beach Recycling

- Works began on 7th February 2022
 - Some additional costs for environmental monitoring and extending work due to storm impact
 - Provisional costs £128,409.39
- Amount of material at Snettisham Scalp for beach recycling remains sufficient



Beach Recharge

- Originally anticipated a 'mini-recharge' would be needed in year-6 of the funding programme (2022/23)
- Sufficient amount of material is present, meaning recharge date has been pushed back
- Likely cost of the mini beach recharge is approx. £2.4 million

Coastal Trends Reports



Wash Trends Report (2021)

- Completed by the Anglian Coastal Monitoring Programme
- Reviewed coastal trends between 1992-2020 across The Wash Basin
- Last report was completed in 2007
- Full report can be found on the Anglian Coastal Monitoring website

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Jacobs Groyne Effectiveness Report

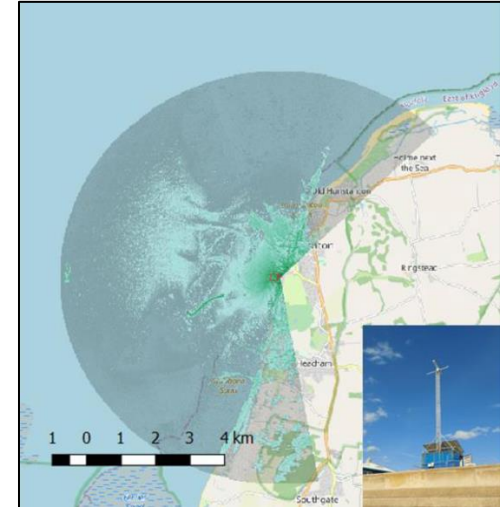
- Joint Environment Agency and Borough Council report which is currently in draft
- Draft report is currently being reviewed internally by the Borough Council and Environment Agency
- Will report back to Stakeholder Group in the summer on findings

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4D Radar Deployment

- Deployed between August and December 2021
- 4D radar can penetrate water and map the seabed and sediment movement to a distance of 4km
- Report is currently in draft with some further data analysis ongoing
- Will report back to the Stakeholder Group in the summer on findings



Coastal Meeting Groups



Shoreline Management Plan Refresh

- Environment Agency led a refresh of the two SMPs in our area in 2020
 - SMP 4 – The Wash (Gibraltar Point to Old Hunstanton)
 - SMP 5 – North Norfolk (Old Hunstanton to Kelling Hard)
- Review concluded no major changes to policy are required
- Work is ongoing to launch a new website where SMP documents will be hosted. Expected to be completed early 2023



LGA Coastal SIG

- Last meeting held in March 2022
- Seeks to increase awareness and debate environmental, economic and social issues relating to the coast

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Priority areas include:

- Coastal adaption
- Flood and erosion risk management
- Regeneration
- New website has launched earlier this year
- Next meeting scheduled for June 22nd 2022



Regional Flood & Coastal Committee

- Last meeting held in April 2022
- Cllr Ian Devereux presented on Coastal Matters, including the HCMP and Unit C beach recycling and recharge
- Next meeting scheduled for July 21st 2022

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East Anglian Coastal Group

- Last meeting held in April 2022
- Covers the coast from Gibraltar Point to the Thames Barrier

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- EACG aims include:
 - Advising on coastal issues and best practice measures
 - Support practitioner discussion and joint working
 - Support and monitor SMP implementation
 - Feed up to the RFCC on key matters
- Next meeting scheduled for June 30th 2022



Anglian Coastal Monitoring Programme

- Last virtual meeting held in December 2021
- Written update provided in Spring 2022 covering:
 - Topographic Surveys
 - Aerial LiDAR and Photography
 - Habitat Monitoring
 - 4D Radar Survey
- Next meeting scheduled for 18th May 2022

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Norfolk Strategic Flood Alliance

- NSFA formed in early 2021
- Facilitates multi-agency collaboration to resolve local flooding issues
- Coastal Members Group formed covering Old Hunstanton to Wells-next-the-Sea
- First meeting tbc – likely spring / summer 2022
- This is a stand-alone group



Any Other Business

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Date & time of next meeting

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