

**Bathing Water Quality
Contact with Environment Agency**

Appendix 1

Date	Meeting Attendees	Meeting Notes Taken	Letter	Notes
2023/10/30	EA: CREH: AW: BC: RSPB:			
2023/06/16 ①	EA: M Sibley, K Gadd, F Charlton CREH: D Kay AW: A Worley, Jonathan Glerum BC: L Gore, T Parish, G Hall, M Chisholm, D Morton, P Smith RSPB: J Scott	Yes – attached		
2023/06/15 ②	BC: T Parish, L Gore, M Chisholm	Yes – attached		Internal meeting with reference to water quality.
2023/05/02 ③			TO Simon Short, EA – attached	
2023/03/13 ④	EA: S Short, A Warren, M Sibley, K Gadd, T Poulding CREH: D Kay, C Stapleton AW: A Worley BC: S Dark, T Parish, M Chisholm, D Morton, P Smith RSPB: J Scott	Yes – attached		Agenda also attached
2023/01/27 ⑤			FROM Rebecca Pow MP, DEFRA – attached	
2022/12/16 ⑥	EA: S Short, A Warren, M Sibley, K Gadd, T Poulding CREH: D Kay, C Stapleton	Yes – attached		Also attached: Agenda, EA's west Norfolk MST Review, EA's presentation, CREH's presentation, AW's MST Review

	AW: A Worley BC: L Gore, S Dark, T Parish, M Chisholm, D Morton			and Bathing Water Classifications 2015-2022
2022/12/05 (7)			TO Rebecca Pow MP, DEFRA – attached	
2022/11/30 (7)			Email FROM DEFRA – attached	Bathing water classifications for 2022
2022/11/17 (8)	BC: S Dark, T Parish, L Gore, M Chisholm	Yes – attached		Internal meeting with reference to water quality
2022/09/29 (9)			Presentation FROM Anglian Water	Sources of Pollution – West Norfolk Bathing Waters
2022/07/21 (10)	BC: S Dark, T Parish, L Gore, M Chisholm	Yes – attached		Internal meeting with reference to water quality
2022/07/18	MP: J Wild MP AW: A Worley BC: S Dark, L Gore			
2022/05/19 (11)	BC: S Dark, T Parish, L Gore, M Chisholm	Yes – attached		Internal meeting with reference to water quality
2022/04/29 (12)			TO Michael Gove MP and George Eustice MP	Jointly from Norfolk district councils. Related email also attached
2022/04/21 (13)	BC: S Dark, T Parish, L Gore, M Chisholm	Yes – attached		Internal meeting with reference to water quality
2021/09/17 (14)	BC: S Dark, T Parish, L Gore, M Chisholm	Yes – attached		Internal meeting with reference to water quality
2021/08/23 (15)	BC: S Dark, T Parish, L Gore, M Chisholm	Yes – attached		Internal meeting with reference to water quality
2021/07/15 (16)	BC: S Dark, T Parish, L Gore, M Chisholm	Yes – attached		Internal meeting with reference to water quality
2021/06/08 (17)	BC: S Dark, T Parish, L Gore, M Chisholm	Yes – attached		Internal meeting with reference to water quality
2020/03/12	EA: R Munro, M Joy AW: A Worley			No notes found

	BC: C Bamfield, M Chisholm			
2018/10/18 ⑱	EA: K Rutterford, B Munro, J Daniels, M Joy AW: A Worley, J Cooper BC: R Harding, M Chisholm, D Morton	Yes – attached		
2018/02/08 ⑲	EA: K Rutterford, B Munro, J Daniels, M Joy AW: A Worley, J Cooper BC: R Harding, M Chisholm, D Morton	Yes – attached		

①

Bathing Water Quality – Heacham Beaches

Friday, 16 June 2023

1:00 pm

**BCKLWN – Leaders Office, King’s Court, Chapel Street, King’s Lynn PE30 1EX
(Microsoft Teams added for those unable to attend in person)**

Agenda

1. Apologies
2. Review of results on year to date
3. Extra funding of £38,000 for west Norfolk
4. Provision of extra litter and dog bins
5. Advisory note/enforcement for homeowners'/developers' responsibilities for offline sewage systems
6. Any other business

Close

**Action Points from Bathing Water Quality Meeting
Friday, 16 June 2023 – F2F at BCKLWN & Microsoft Teams**

Borough Council:

Cllr Terry Parish
Lorraine Gore
Geoff Hall
Martin Chisholm
David Morton
Philippa Smith

Environment Agency:

Marcus Sibley
Fran Charlton
Kayleigh Gadd

Anglian Water:

Adam Worley
Jonathan Glerum

RSPB:

Jim Scott

		ACTION
1.	Poor result registered for 6 June at Heacham and Old Hunstanton – Consider any further investment into reasons/breakdown and whether this result might be one to include in the additional analysis work for end of 2023 season.	K Gadd
2.	MST analysis – 2022 season feedback on additional testing for 2023 season. Arrange a further meeting to discuss extra funding requirements.	EA/BC
3.	Siting of litter and dog bins on flood defences – Check feasibility with EA flood colleagues and report back as soon as possible.	M Sibley
4.	Anglian Water litter campaigns – Share links to the litter and dog waste campaign together with the Keep Britain Tidy signage.	A Worley
5.	Meeting to be arranged between A Worley and K Gadd regarding Anglian Water's samples. NB: Anglian Water testing analysis would eat into EA's budget	A Worley/ K Gadd
6.	Heacham Treatment Centres. Confirm number of tankers to Cllr Parish.	A Worley
7.	Beachfront properties – Explore if anything can be applied through Planning Conditions around checking sewage infrastructure is still fit for purpose.	G Hall

8.	Letter to all owners of beachfront properties to be drafted by the EA for borough council to be able to use their council tax data. Letter needs to clearly indicate what legislation would be broken and needs to be worded as strongly as possible to indicate to residents that there are legal implications that will be enforced and prosecuted for non-compliance re septic tank/cesspit annual checks.	M Sibley
9.	Separate meeting in September to explore any other powers under which the borough council could investigate if the sewage infrastructure was fit for purpose. BC officers to meeting and discuss.	CEX PA
10.	Share map of the ditch system between Jubilee Bridge and North Beach Bridge	A Worley
11.	Check responsibility of who owns the ditch system. Considered riparian – EA to confirm they are the regulatory body if pollution is identified within the system.	M Sibley
12.	All actions to be forwarded to CEX PA for circulation within the next couple of weeks.	ALL
13.	Follow-up meeting to be arranged for first week of October.	CEX PA

②

Heacham Beaches

Thursday, 15 June 2023

3:00 pm

**BCKLWN – King’s Court, Chapel Street, King’s Lynn PE30 1EX
(Teams included for those unable to attend in person)**

Attendees

Cllr Terry Parish
Cllr Andrew Jamieson
Lorraine Gore
Martin Chisholm

Optional:
Stuart Ashworth
David Ousby

Agenda

1. **Apologies** – Cllr Andrew Jamieson
2. **Notes of previous meeting of 20 April 2023**

Actions to carry forward:

- **MC to arrange for large plaque to be made, replacing the smaller one, in commemoration of Michelle Guist.**
- **MC to look into Bottleships after the government’s recycling review has been released. Review expected in the summer.**

3. **Update on planning matters** – verbal (S Ashworth)

Illegal campsite – Mr Marsh has been refused two planning applications and is currently in appeal. Other applications are expected to be appealed also.

Illegal food outlet – Still in situ in August so now going to court.

4. **Bathing water quality meeting on 16 June 2023**

Agreed agenda items for 16 June meeting:

- Review of results on year to date – Raise the poor result from 6th June for Heacham and Old Hunstanton (notably not Hunstanton) and discuss EA’s investigations around this
- Extra funding of £38k for EA and west Norfolk testing – Request a timeline of how the funding will be spent and on what.
- Provision of extra litter and dog bins – Agree to supply dog and litter bins but need EA’s agreement to site them on the flood defences.

- Advisory note/enforcement for homeowners'/developers' responsibilities for offline sewage systems – Agree to advisory note but request draft and first with clear instructions on enforcement.

NB: Agreed not to raise the benches issue on the EA's flood defences and concentrate on the litter and dog bins instead.

5. Any other business

Heacham Beaches toilets – A few snags to be addressed and awaiting confirmation on the flooring. This item can now be removed from future meetings.

6. Date of next meeting – reschedule for end-September wash-up (confirmed – 21 September 2023)

Notes from Heacham Beaches Meeting
Thursday, 20 April 2023 via Microsoft Teams

Attendees:

Cllr Stuart Dark
 Cllr Terry Parish
 Lorraine Gore
 Martin Chisholm

David Ousby (Item 4)
 Stuart Ashworth (Items 2&3)
 Helen Scott (note taker)

Item		Action
1.	<p>Apologies</p> <p>None</p>	
2.	<p>Update on illegal food outlet</p> <p>Due in court on 10 May 2023 following adjournment in March. Site still there albeit closed.</p>	
3.	<p>Update on illegal campsite</p> <p>Court date confirmed for 10 May 2023.</p> <p><u>ACTION:</u> SA to report back regarding another campsite that is being considered by different people.</p> <p>Consent for a hotel on the site has been granted some time ago but there are a number of enforcement issues.</p>	SA
4.	<p>Update on planning applications for beach properties</p> <p>New Permitted Development Rights allow for beach houses to be built upwards. Other permitted development rights for extensions also exist. A cabinet decision will be required whether we can impose restrictions to permitted development under Article 4. The justification would be flood risk in the Coastal Hazard Area. Planning have sought advice & there is support from the EA.</p>	
5.	<p>Update on South Beach toilets</p> <p>Review of site undertaken, highlighting a couple of issues with the flooring and doors. DO to consider any improvements to be made and deal with these as operational matters therefore South Beach toilets no longer needs to be recurring item on the agenda.</p> <p><u>ACTION:</u> DO to review prior to the bank holiday weekend.</p> <p><u>ACTION:</u> DO/MC to discuss floor cleaning issues.</p>	DO DO/MC
6.	<p>Environment Agency/Anglia Water Bathing Quality Meeting (13/3)</p>	

	<p>Review meeting to be arranged for June.</p> <p>Draft letter to be drawn up from ward members to Environment Agency highlighting the following points:</p> <ul style="list-style-type: none"> • EA's responsibility to do something • Timeline required for commitment to resources, work needed, and funding • Heacham is one of five suffering similar ecology issues. EA should be using what they've put in place for other areas to help the situation at Heacham • Need response with some answers prior to the next meeting in June • James Wild MP to received copy of the letter <p><u>ACTION:</u> Draft a letter to Environment Agency from ward members prior to the May local elections</p>	CEX PA
7.	<p>2023 Season</p> <ul style="list-style-type: none"> • Weather warning signage complete. • B Brandford currently looking at installation of bins for the west side of the boat ramp. • <u>ACTION:</u> MC to check that North Beach flags are in place. • <u>ACTION:</u> LG/MC to look into the legal position for benches and bins (including dog bins) on EA-owned land as no response received from EA. • <u>ACTION:</u> MC to looking into Bottleships after the government's recycling review has been released. Expected after the elections but before the summer. • <u>ACTION:</u> MC to arrange for signs to be put up re cutting the scrub along the ramp next to the beach and advise the parish council accordingly. • <u>ACTION:</u> MC to arrange for large plaque to be made, replacing the smaller one, in commemoration of Michelle Guist. • Concerns were noted re electric cables and their route through North Beach Car Park for electric recharging points. UKPN have been in contact with the parish council regarding the least impactive route and no objections were raised with them by the parish council. 	MC
8.	<p>Date of Next Meeting</p> <p>Agreed to hold meetings every two months going forward. 18 May meeting to be cancelled. Next meeting Thursday, 15 June, 10am.</p>	

Meeting closed at 4:30 pm

Letter from Environment Agency

Councillor Stuart Dark and Councillor Terry Parish
chiefexecutiveandleaderpa@west-norfolk.gov.uk

Our ref: AMC/2021/9422
Your ref: SH-IKEN120121
Date: 22 May 2023
Our ref: AMC/2023/17716
Date: 22 May 2023

Dear Councillors,

Bathing Water Quality in West Norfolk

Thank you for your email to Simon Short of 2 May 2023 regarding bathing water quality in West Norfolk.

Bathing water quality remains a local and national priority and we are sorry that you have such grave concerns. As we have said during our recent meetings, bathing water quality is a multi-faceted issue. At the Heacham and the Hunstanton beaches there are, as you know, various factors that may be having an impact on bathing water quality, for instance: drainage misconnections, offline sewage treatment plants, surface water outfalls, dog faeces, sewage discharges as well as natural sources such as birds and seals. As we have discussed, addressing this will need collaborative working between the various stakeholders.

In your letter you mention five other beaches across the country and lessons that might help in West Norfolk. Our officers share lessons learned from other areas through National sector groups and liaison with colleagues. However, each bathing water is in a unique environmental setting with, as outlined above, multiple factors that can affect water quality. While there are some bathing waters where it is clear what factors drive poor or declining bathing water quality there are others with no clear cause. Therefore, each bathing water must be treated individually while using the lessons learned nationally.

The Environment Agency (EA) works within resource constraints, like all publicly funded bodies. The funding we receive from the government for bathing water pays for our statutory responsibilities such as bathing water quality sampling and reporting. In the case of West Norfolk, we have successfully sought extra funding, totalling £38,000, to allow targeted analysis of samples taken during past bathing water seasons and for the upcoming 2023 season.

Completed actions:

- Mailshot to beach front properties in Heacham (over 70 properties) providing advice and guidance to property owners to check and maintain small sewage systems at the properties. As we have explained, unless there is a confirmed pollution incident and the pollution has been traced to a specific source, the EA does not have regulatory powers to require property owners to upgrade such systems.
- Liaison between our respective organisations' public relations/press teams (including Anglian Water Services Limited). Bromholme Lane, Brampton, Huntingdonshire, PE28 4NE or Icen House, Cobham Road, Ipswich, Suffolk, IP3 9JD
- We have engaged the support of the National Laboratory Service (NLS), specifically, Jonathan Porter, a leading expert on the use and application of microbial source tracking to review available data and provide advice on suitable areas for further investigation. In our liaison meetings, it was suggested that the Borough Council may be able to financially support with this aspect. However, after liaising with the NLS, it has

been agreed that this work can be completed within the service agreement between the EA and NLS. We will contact the Council should this situation change.

Ongoing, planned and reactive actions:

- The NLS data review will help determine potential areas for further investigation. Should these require specific funding, we will liaise with the Council and our own internal funding sources. For instance, it is suspected that the sediment in the Heacham river might be acting as a 'bacterial reservoir' which could potentially affect bathing water quality; however, we await the outcome of the NLS review to confirm whether this is a suitable avenue for further investigation.
- Water sampling in Heacham River harbour channel and Searles tributary to provide more up-to-date data (during early part of the bathing season).
- Microbial source tracking (MST) analysis of selected samples during the current bathing season. Samples showing elevated bacterial levels will be subject to MST analysis to aid in developing our understanding of bacterial sources affecting these bathing waters. (To be completed at the end of 2023 season. MST analysis will be dependent on lab capacity).
- Pollution prevention visits are planned to various locations in the catchment, with a focus on the caravan park near Heacham and on other potential sources of bacterial load further upstream (during early part of the bathing season).
- Alongside OfWat, we continue liaising with Anglian Water on bathing water-specific issues and on broader water quality improvements through the Periodic Review (PR), Asset Management Plan (AMP) and Water Industry National Environment Planning (WINEP) process. (Final determination of this work will be made in December 2024, improvements will be implemented between 2025 – 2030)
- Continuing regulation of permitted water discharges in the catchment (both water company and non-water company assets). (Ongoing)
- Agricultural visits – The catchment of North West Norfolk has been selected as a priority catchment for agricultural regulatory visits. We will carry out evidence lead targeting of farms and aim to inspect 10 farms within the Heacham catchment before March 2024.
- Pollution incidents reported to us via our Incident Communication Service (0800 807060) will be assessed and responded to in line with our current incident response and categorisation procedures. Any incidents reported to us also add to our understanding of issues affecting the catchment and allow us to make intelligence-led interventions and visits.
- Monthly and ad hoc internal liaison meetings alongside periodic stakeholder meetings.

At our meeting on 13 March 2023, it was mentioned that the Council had data that had been shared with them regarding the longshore drift and sandbank topography/bathygraphy in the area. This information will be useful for our understanding of the issues and we therefore ask that you share it to our Ely Land and Water Team mailbox at ely_land_and_water_team@environment-agency.gov.uk, if that is possible. Bromholme Lane, Brampton, Huntingdonshire, PE28 4NE or Icen House, Cobham Road, Ipswich, Suffolk, IP3 9JD

At previous meetings, we highlighted some areas where the local authority can support. This was primarily around ensuring enforcement of litter and dog faeces disposal and ensuring beach front vendors in Hunstanton have appropriate advice about disposing of waste liquids from their operations.

The Environment Agency are not normally consulted on small-scale developments and changes to properties that you're planning or building control teams receive. We therefore propose, if this is feasible for the planning and/or building control departments, that we provide a brief standard paragraph setting out homeowners'/developers' responsibilities to ensure their offline sewage systems are suitably sized and maintained.

Please note that the previous Team Leader of the Ely Land and Water Team, Simon Short,

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Your ref:
Our ref: LG/HS
Please ask for:
Direct dial: (01553) 616245
E-mail: chiefexecutiveandleaderpa@west-norfolk.gov.uk

Borough Council of
**King's Lynn &
West Norfolk**



**Leader
Cllr Stuart Dark MBE**

**Leader of the Principal Opposition
Cllr Terry Parish**

Mr Simon Short
Assistant Director
Environment Agency

Via Email: simon.short@environment-agency.gov.uk

2 May 2023

Dear Simon

Bathing Water Quality in West Norfolk

Further to recent meetings, we are writing to express our grave concern with the poor bathing water quality at Heacham and the delays encountered with your addressing the issues. We continue to await firm information regarding your investigations.

We have received no timeline, no detailed plans, no data regarding expertise and resources in understanding and addressing the issues, and no information on how this crucial work can be funded.

As you are aware, Heacham is one of five beaches in the country that have similar ecology issues. Why has the Environment Agency not used what they've put in place for other sites to help Heacham?

A further meeting with yourselves and Anglian Water is due in June and we respectfully insist that answers are forthcoming now so that we and officers at the borough council can prepare for this next discussion. Any further delays simply cannot be accommodated.

.../-

We would appreciate your urgent attention to this important matter and look forward to hearing from you very soon.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Terry Parish', with a long horizontal flourish extending to the right.

For and on behalf of

Cllr Stuart Dark MBE
Leader of the Borough Council
and Ward Member for Heacham

Cllr Terry Parish
Leader of the Principal Opposition
and Ward Member for Heacham

cc: James Wild MP

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Heacham Beaches – Cancelled (Officers on leave)

Thursday, 16 March 2023
2:30 pm

BCKLWN – King’s Court, Chapel Street, King’s Lynn PE30 1EX
(Teams included for those unable to attend in person)

Attendees

Cllr Stuart Dark
Cllr Terry Parish
Lorraine Gore
Martin Chisholm

Optional:
Stuart Ashworth
David Ousby

Agenda

1. Apologies
2. Update - illegal food outlet (S Ashworth)
3. Update - illegal campsite (S Ashworth)
4. Update – planning applications for beach properties (S Ashworth)
5. Update – South Beach toilets (D Ousby)
6. Environment Agency/Anglia Water Bathing Quality Meeting (13/3/23)
7. 2023 Season
8. Date of next meeting – 20 April 2023

Bathing Water Quality

Monday, 13 March 2023
11:00 am

BCKLWN – King’s Court, Chapel Street, King’s Lynn PE30 1EX
(Teams included for those unable to attend in person)

Attendees

Environment Agency:

- Simon Short
- Anna Warren
- Marcus Sibley
- Kayleigh Gadd
- Tim Poulding

Anglian Water:

- Adam Worley

RSPB:

- Jim Scott

Borough Council:

- Cllr Stuart Dark
- Cllr Terry Parish
- Martin Chisholm
- Dave Morton
- Philippa Smith

CREH:

- David Kay
- Carl Stapleton

Agenda

- | | | |
|----|---|-----------|
| 1. | Welcome and Introductions
Apologies from Lorraine Gore | Cllr Dark |
| 2. | Current situation | Cllr Dark |
| 3. | Proposals re analysis | S Short |
| 4. | Any other business | All |

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Department
for Environment
Food & Rural Affairs

Rebecca Pow MP
Minister for Environmental Quality and Resilience
2 Marsham Street
London
SW1P 4DF
T: +44 (0) 3459 335577
E: correspondence.section@defra.gov.uk
W: gov.uk/defra

Lorraine Gore, Chief Executive
Borough Council of King's Lynn & West
Norfolk
King's Court, Chapel Street
King's Lynn, PE30 1EX
Lorraine.gore@west-norfolk.gov.uk

Your ref: LG/HS
Our ref: PO2022/26558/MP

27 January 2023

Dear Lorraine,

Thank you for your letter of 5 December about the quality of bathing water in Heacham. I apologise for the delay in responding.

Improving water quality is a Government priority, and the Environment Agency (EA) continues to collaborate, drive improvements and look for local solutions to make sure a high standard of bathing water quality is maintained and improved further.

Monitoring data collected by the EA is used to make annual water quality classifications of Excellent, Good, Sufficient or Poor. If the water quality at a bathing water does not meet the standards set by the Regulations, the EA will investigate the sources of pollution to identify remedial measures that can be put in place. There are numerous factors that can impact on bathing water quality, including pollution from water and sewerage company assets and diffuse pollution caused by run-off from agricultural and urban areas.

The wastewater treatment works at Heacham has bacterial control with ultraviolet treatment of the effluent which significantly reduces the level of live bacteria. Officers from the EA make regulatory visits to this and other Anglian Water Services Ltd (AWS) assets across the area. The most recent to Heacham was in April 2022 and no compliance issues were found.

The EA has investigated other potential causes of the poor bathing water quality in the area. It visited caravan parks in the vicinity to investigate the potential for misconnections of foul drainage into surface drainage systems and found no significant issues. The EA also investigated the local Sea Life centre, which has its own discharge to the beach in Hunstanton and ultraviolet treatment. Again, it found no compliance issues during the visit.

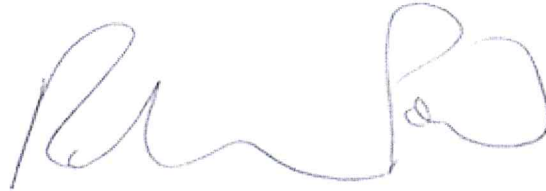
In addition to statutory bathing water samples, the EA has collected and analysed samples from the Heacham River and other sites in the area. Where elevated levels of bacteria were found, selected samples from this year and recent years were subjected to specialised analysis to try to identify the potential sources of bacteria (for example whether from human, ruminants, dogs or bird sources). The data indicates that there is a constant bird-related influence with human and dog-related bacterial sources being more variable.

Grant in Aid funding for bathing water-related work by the EA is primarily allocated for the collection of bathing water quality samples and provision of pollution risk forecasts. However, due to the significance of bathing water quality issues in East Anglia, the EA's local area team made successful bids for extra funding to allow for additional sample analysis for the 2022 and 2023 bathing water seasons. This will help to gain a better understanding of the potential factors affecting bathing water quality.

The local EA team with responsibility for bathing waters recently had a constructive and positive meeting with the Borough Council of King's Lynn & West Norfolk and AWS. All parties at the meeting committed to continuing this constructive and partnership approach to understanding and improving the situation.

In the coming bathing water season, the EA will continue to regulate AWS and private discharges in the area. It will also continue its investigations into potential factors affecting bathing water quality with a focus on working with other stakeholders to maximize the effectiveness of the investigations.

Thank you once again for taking the time to contact me about this important issue.

A handwritten signature in blue ink, appearing to read 'Rebecca Pow', with a stylized, cursive script.

REBECCA POW MP

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Notes from Bathing Water Quality Meeting
Friday, 16 December 2022 – F2F at BCKLWN & Microsoft Teams

Borough Council:

Cllr Stuart Dark
Cllr Terry Parish
Lorraine Gore
Martin Chisholm
David Morton

Environment Agency:

Simon Short
Anna Warren
Marcus Sibley
Kayleigh Gadd
Tim Poulding

CREH:

David Kay
Carl Stapleton

Anglian Water:

Adam Worley

		ACTION
1.	Where are the regulatory powers to check if the cesspits are functioning correctly for the beachfront properties	S Short
2.	RSPB to be invited to next meeting	CEX PA
3.	Determine a plan for detailed MST and funding	J Porter S Short C Stapleton M Chisholm
4.	Comms – Joint messaging. Comms contacts to be shared with BCKLWN – Sharon Clifton	S Short A Worley CEX PA
5.	Decide planned way forward with coordinated approach on sampling.	S Short M Chisholm RSPB
6.	Arrange next meeting for early March 2023	CEX PA



West Norfolk Bathing Waters MST and NGS Results

LOVE EVERY DROP. PUT WATER AT THE HEART
OF A WHOLE NEW WAY OF LIVING.

Heacham DSP



CREH Location Description	HuBac Log/100ml	RuBac Log/100ml	Bird Log/100ml	Dog Result	Catmar Log/100ml	E. coli RESULT (cfu/100ml)	Conf. Intestinal Enterococci RESULT (cfu/100ml)
Heacham DSP Seawater	1.75	2.64	0.00	1.50	5.90	509	400
Heacham DSP Seawater	1.49	0.00	0.00	0.00	5.81	491	164
Heacham DSP Seawater	0.00	0.00	0.00	2.09	6.60	318	170
Heacham DSP Seawater	1.60	0.00	0.00	2.52	6.19	36	1900
Heacham DSP Seawater	0.00	0.00	1.92	0.00	5.41	100	136
Heacham DSP Seawater	0.00	0.00	0.00	0.00	5.29	40	27
Heacham DSP Seawater	1.91	0.00	2.42	2.16	6.10	1018	700

LOVE EVERY DROP. PUT WATER AT THE HEART OF A WHOLE NEW WAY OF LIVING.

Hunstanton Main DSP



CREH Location Description	HuBac Log/100ml	RuBac Log/100ml	Bird Log/100ml	Dog Result	Catmar Log/100ml	E. coli RESULT (cfu/100ml)	Conf. Intestinal Enterococci RESULT (cfu/100ml)
Hunstanton DSP Seawater	1.74	0.00	0.00	2.04	5.44	173	1200
Hunstanton DSP Seawater	1.74	0.00	0.00	0.00	5.03	100	1700
Hunstanton DSP Seawater	2.32	0.00	1.73	0.00	5.63	227	245
Hunstanton DSP Seawater	2.20	0.00	0.00	1.54	4.95	109	836
Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	4.68	10	36
Hunstanton DSP Seawater	0.00	0.00	1.95	0.00	5.50	20	9
Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.67	30	70
Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.36	73	30
Hunstanton DSP Seawater	2.10	0.00	0.00	1.70	5.41	600	209
Hunstanton DSP Seawater	0.00	0.00	2.31	0.00	5.71	682	945
Hunstanton DSP Seawater	0.00	0.00	2.06	0.00	6.00	555	600
Hunstanton DSP Seawater	2.35	3.88	0.00	0.00	6.31	382	827

LOVE EVERY DROP. PUT WATER AT THE HEART
OF A WHOLE NEW WAY OF LIVING.

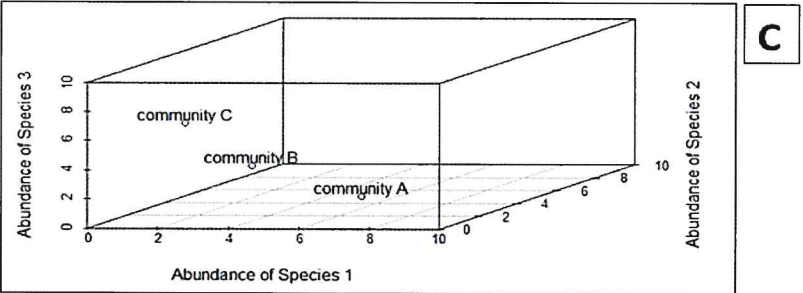
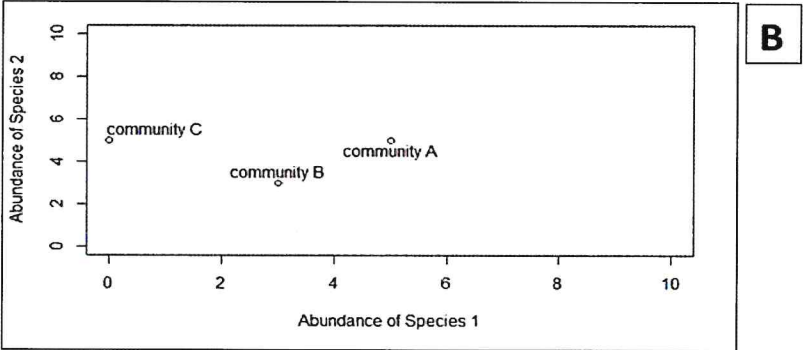
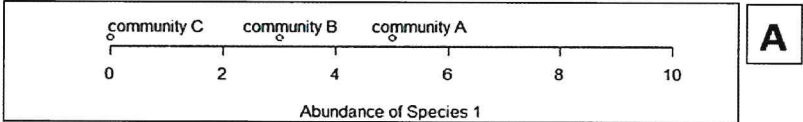
Old Hunstanton DSP



CREH Location Description	HuBac Log/100ml	RuBac Log/100ml	Bird Log/100ml	Dog Result	Catmar Log/100ml	E. coli RESULT (cfu/100ml)	Conf. Intestinal Enterococci RESULT (cfu/100ml)
Old Hunstanton DSP Seawater	0.00	0.00	0.00	2.10	5.23	60	20
Old Hunstanton DSP Seawater	2.00	0.00	0.00	2.26	5.29	55	10
Old Hunstanton DSP Seawater	1.77	0.00	0.00	2.47	5.65	9	20
Old Hunstanton DSP Seawater	2.04	0.00	0.00	2.11	5.52	9	9
Old Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.88	118	100
Old Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.95	130	140
Old Hunstanton DSP Seawater	0.00	0.00	0.00	1.97	5.68	100	60
Old Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.80	90	80
Old Hunstanton DSP Seawater	1.46	0.00	0.00	0.00	6.21	110	45
Old Hunstanton DSP Seawater	1.87	0.00	0.00	2.42	5.90	120	82
Old Hunstanton DSP Seawater	1.76	0.00	0.00	0.00	5.28	27	70
Old Hunstanton DSP Seawater	0.00	0.00	0.00	2.15	5.20	70	73

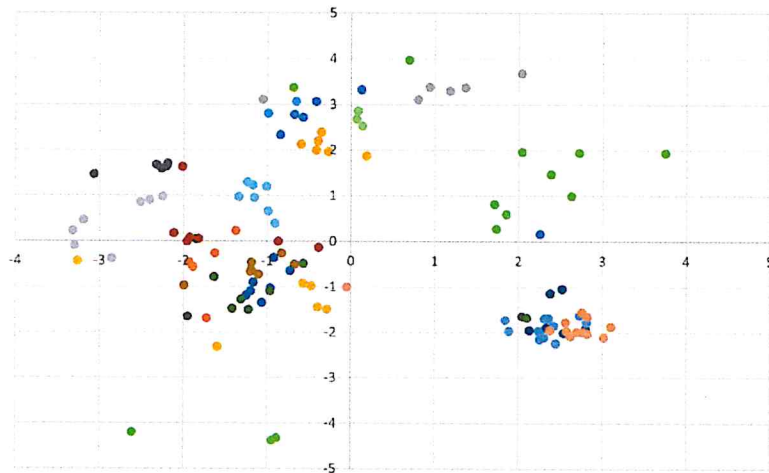
LOVE EVERY DROP. PUT WATER AT THE HEART OF A WHOLE NEW WAY OF LIVING.

Next-Generation Sequencing



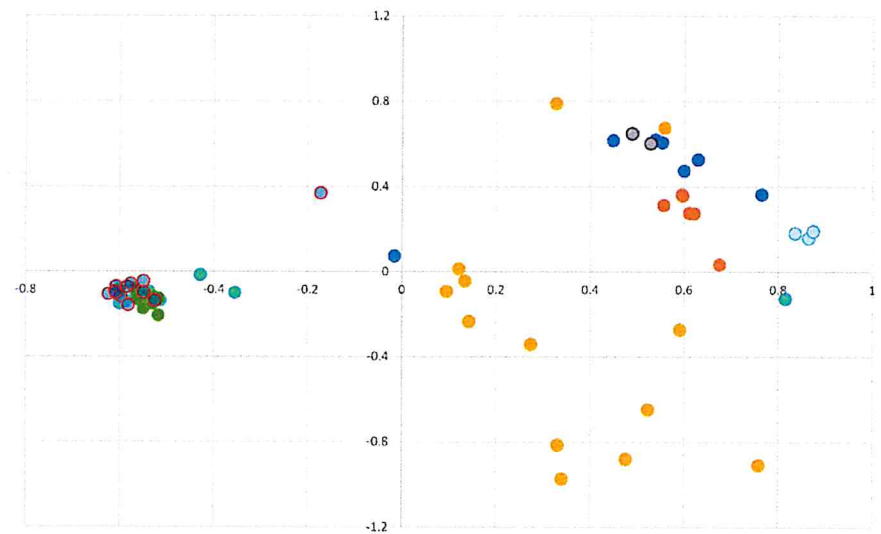
LOVE EVERY DROP. PUT WATER AT THE HEART OF A WHOLE NEW WAY OF LIVING.

NGS – West Norfolk Results



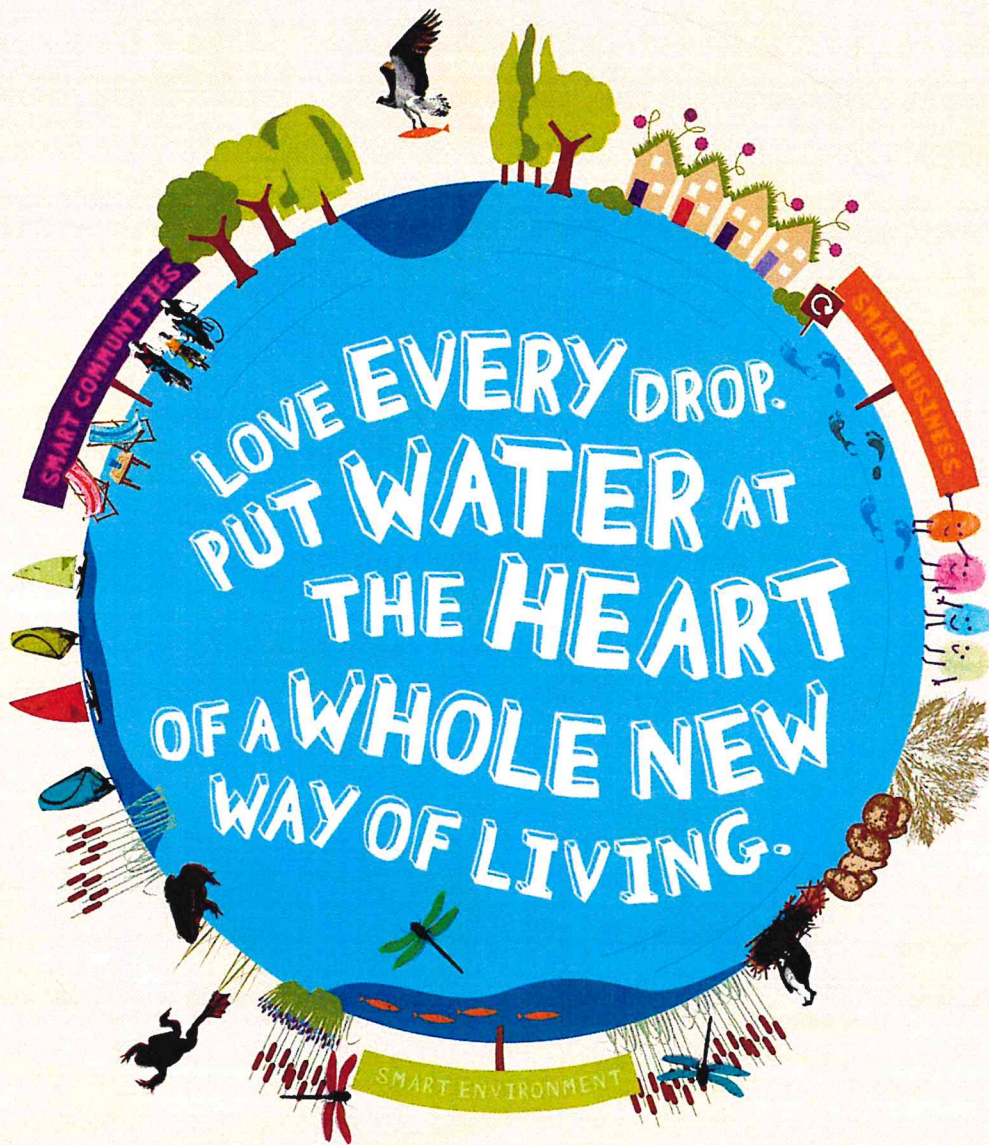
- Avian ● CS ● Dog ● Duck ● Goose ● Gull
- HeachDSP ● HeachFinal ● HeachRaw ● HRST ● HRSTCO ● HRUST
- HunstDSP ● OldHunstDSP ● ORCPSW ● SSO ● SSW ● Swan

Heacham, Hunstanton and Old Hunstanton



- Avian ● Duck ○ Goose ● Gull ● HeachDSP ● HunstDSP ● OldHunstDSP ○ Swan

LOVE EVERY DROP. PUT WATER AT THE HEART OF A WHOLE NEW WAY OF LIVING.



love
every
drop. 
anglianwater



THE QUEEN'S AWARDS
FOR ENTERPRISE:
SUSTAINABLE DEVELOPMENT
2015



Bathing Water Quality

Kayleigh Gadd, Anna Warren, Simon Short, Tim Poulding
16th December 2022

2022 Results

Beach	2019	2021	2022
Heacham	Sufficient	Poor	Poor
Hunstanton Main Beach	Sufficient	Sufficient	Sufficient
Old Hunstanton	Good	Good	Sufficient

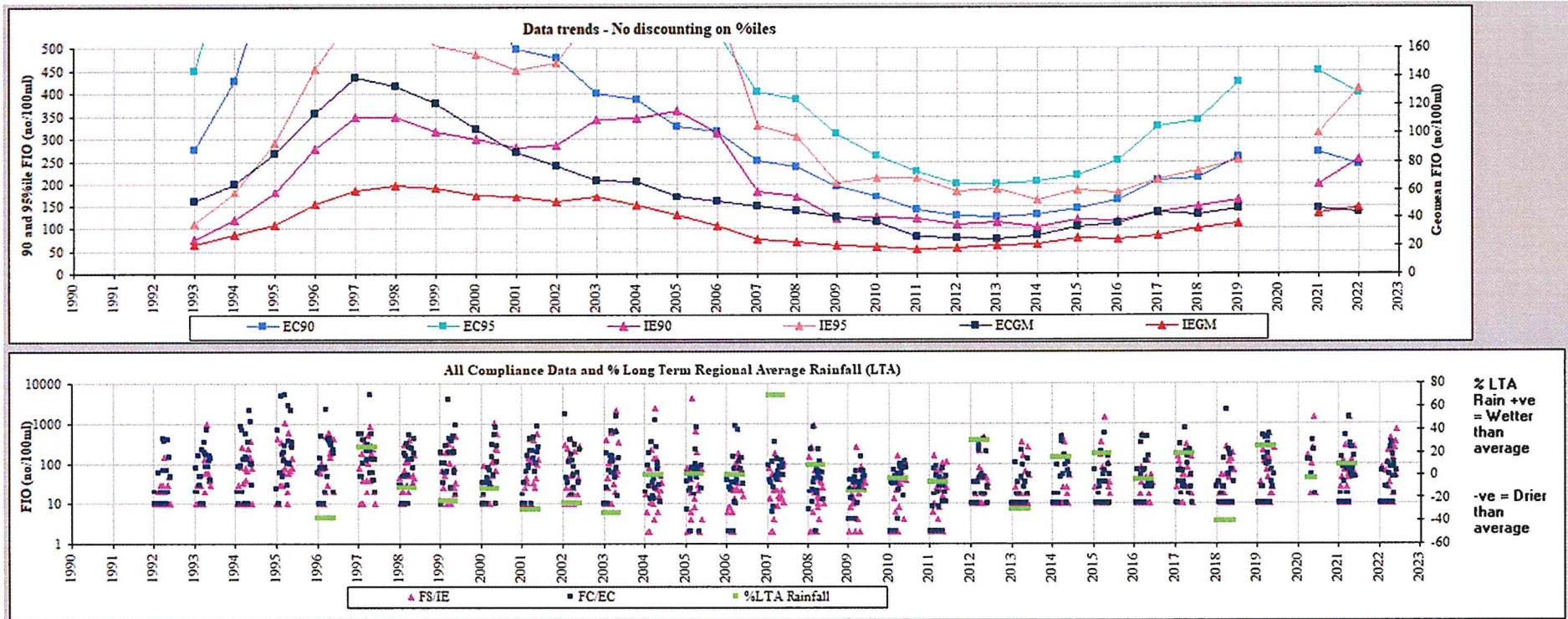
- Heacham and Hunstanton Main classifications remained the same
- Old Hunstanton deteriorated
- Similar picture across the country



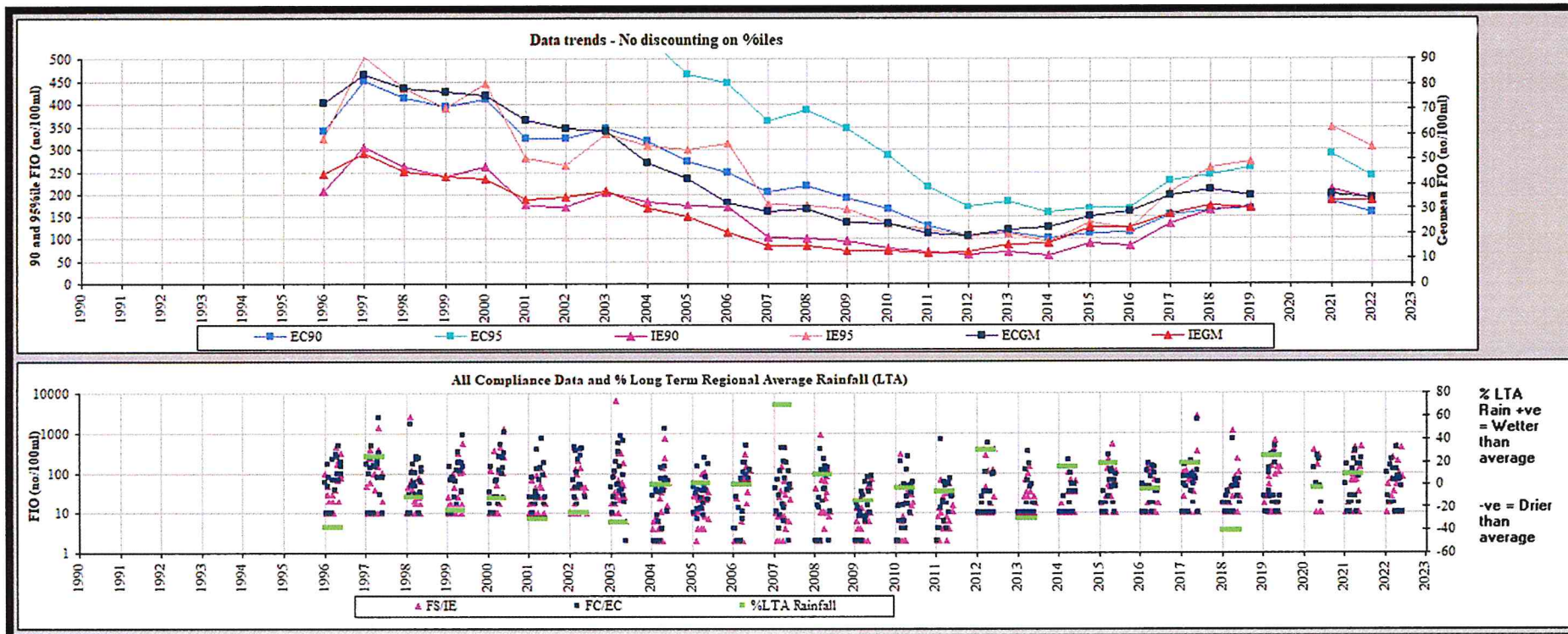
Reasons for Current Status

- Unsure, coastal waters are complex systems, have some theories but need to collect evidence to prove them
- Possible reasons:
 - Hot and Dry summer = less dilution in rivers
 - Sediment in the Heacham River
 - Ditch system - bacteria
 - Complexity of the Wash
 - Bird and seal populations
 - Diffuse/Urban pollution

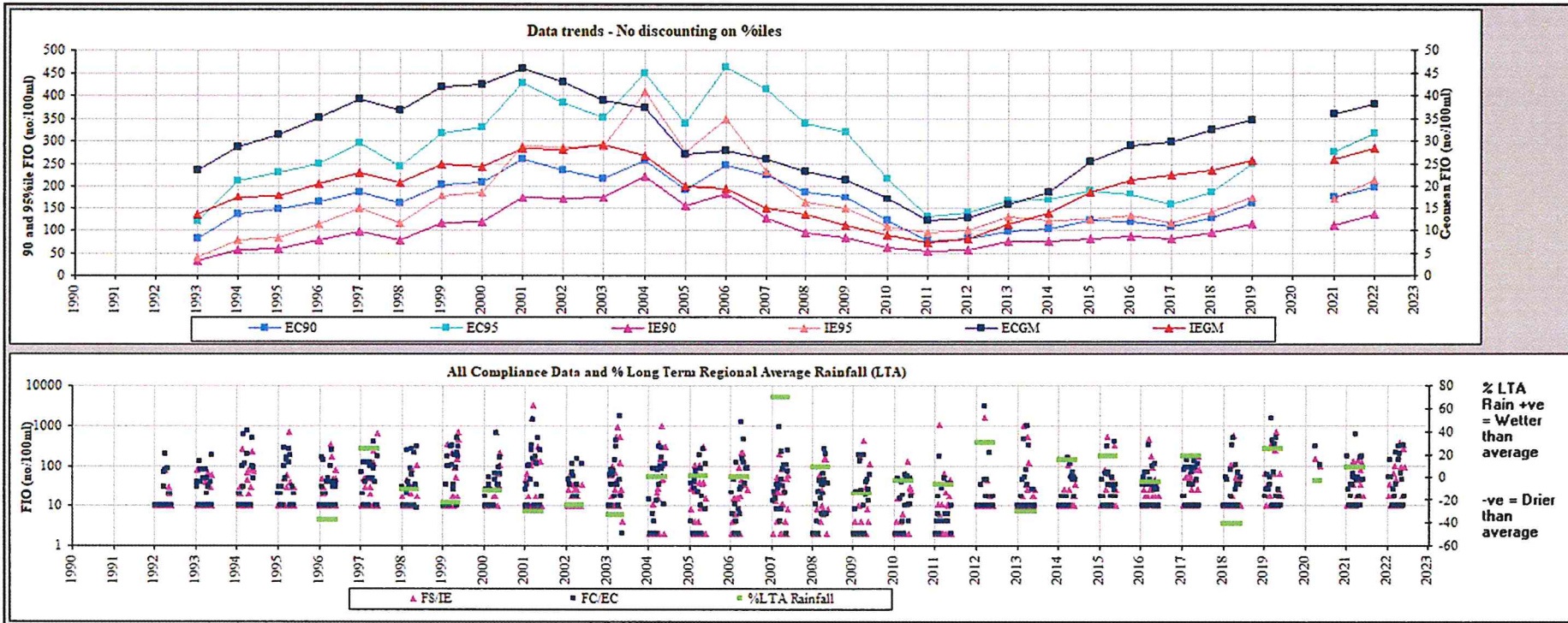
Heacham



Hunstanton Main Beach



Old Hunstanton



What have we done?

- Visits to treatment works
- Caravan Parks visited in April
- Established a working structure across teams in the Agency
- Analysing MST samples taken in previous years
- Analysing other river and coastal samples (from regular sampling)
- Secured funding for MST analysis on samples taken this year
- Further funding for MST analysis next year
- Reviewing Anglian Water Investigations

What we plan to do

- Use the MST analysis to determine where further investigations/actions are required
 - Heacham River (sediment samples, ditch samples)
 - Pollution prevention visits
 - Farm visits
 - Extra sampling
- Work with stakeholders to gather as much information/find ways to improve

Other suggestions

- Ensuring dog waste disposal is as easy as possible for members of the public
- Extend dog-free areas of beaches?
- Litter bins are emptied
- Bathing Water signs are visible and clear
- Public Info campaigns – can they be more effective?

Any Questions?

IWA World Water Congress & Exhibition

11 – 15 September 2022 | Copenhagen, Denmark



Faecal pollution of recreational water

David Kay, Centre for Research into Environment and Health, UK

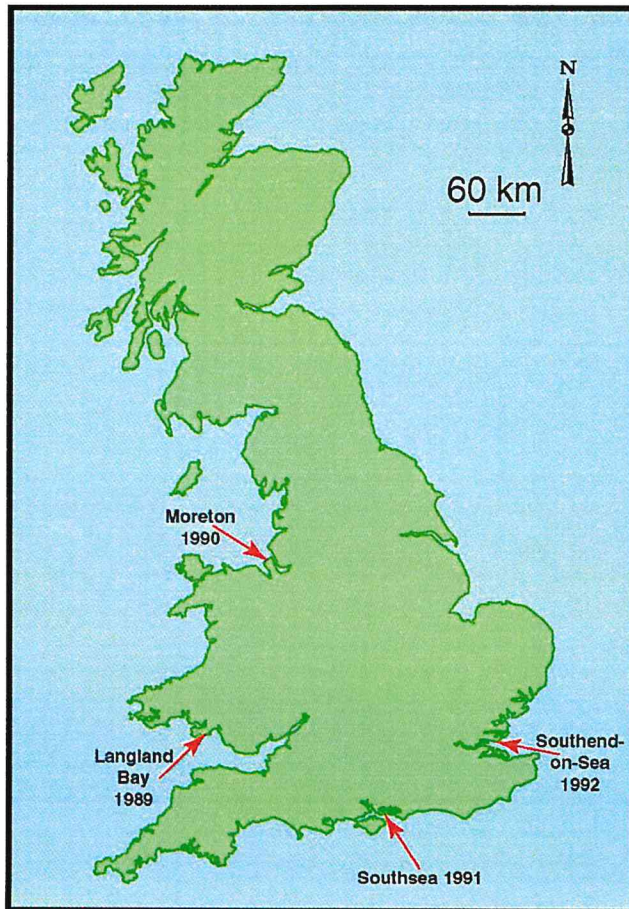
inspiring change

YOU AND THE IWA: AGENTS OF CHANGE



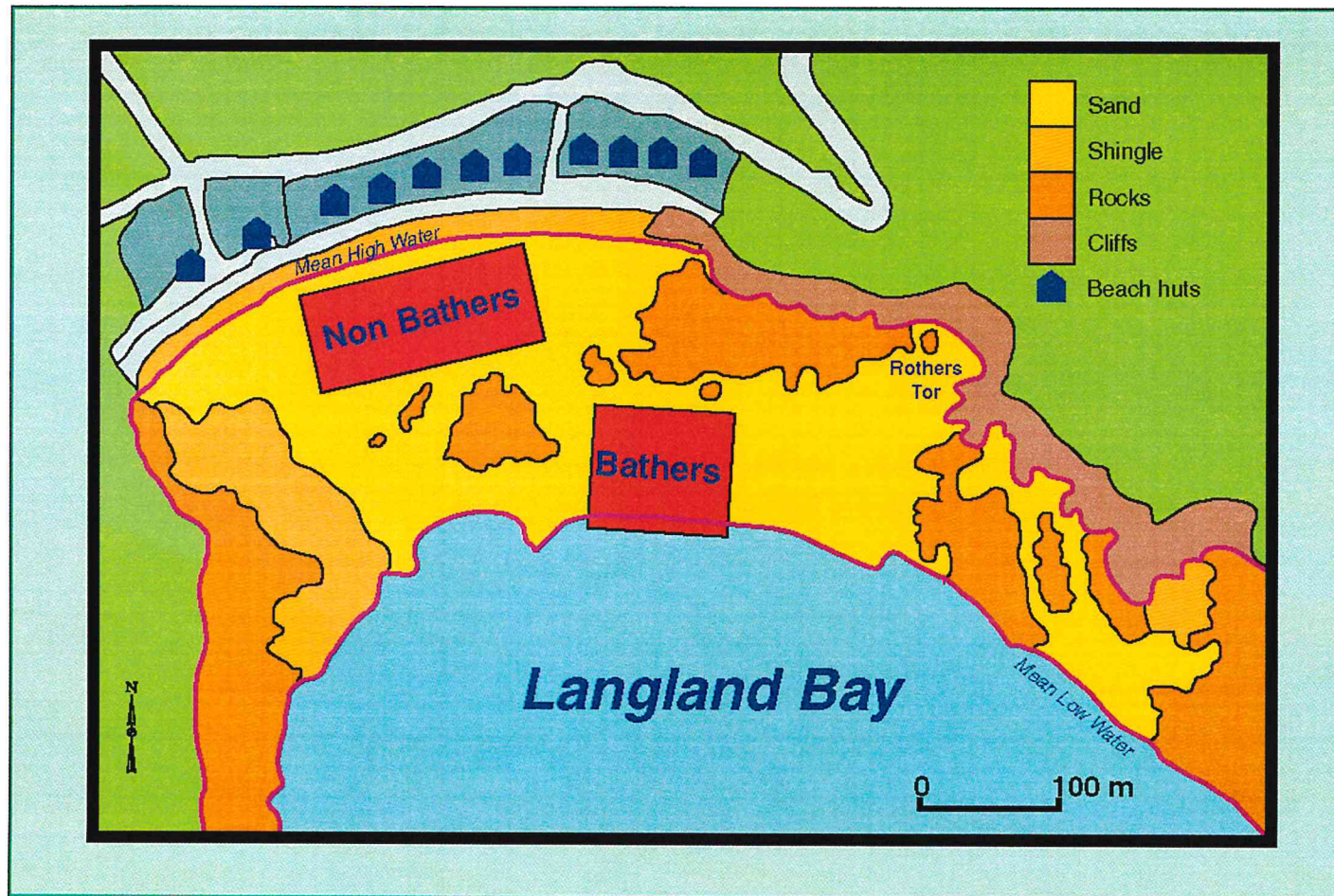
- WHO Guidelines 2003
- EU BWD 2006
- WHO Guidelines 2018
- EU BWD 2022

RANDOMIZED CONTROLLED TRIALS



1. Four year research programme
 1. 1989-1992
2. Four beaches which passed EU 1976 mandatory Standards chosen by the UK Government Steering Committee

BEACH AND VOLUNTEER MANAGEMENT



THE NON-BATHER GROUP



THE BATHER GROUP



- One-to-one observation and recording
- Safety cover essential
- Head immersion
- Roped off bathing zones
- Sampling in the zones within 10m and 15 minutes of exposure

INTERVIEWS



THE 'FREE' LUNCH



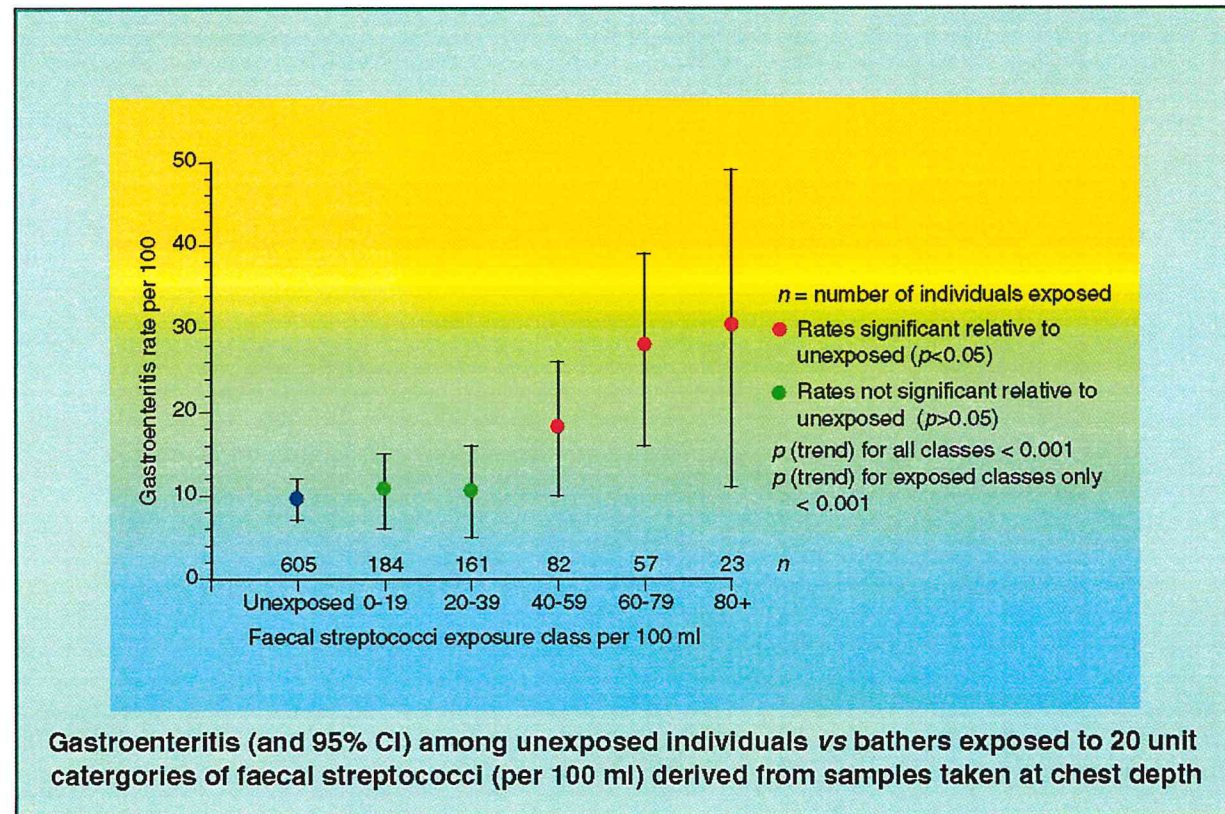
EXPOSURE MEASUREMENT

- Water quality measured every 30 minutes
- Synchronous sampling
- Six locations 20m apart
- Three depths
- Five bacterial indicators-

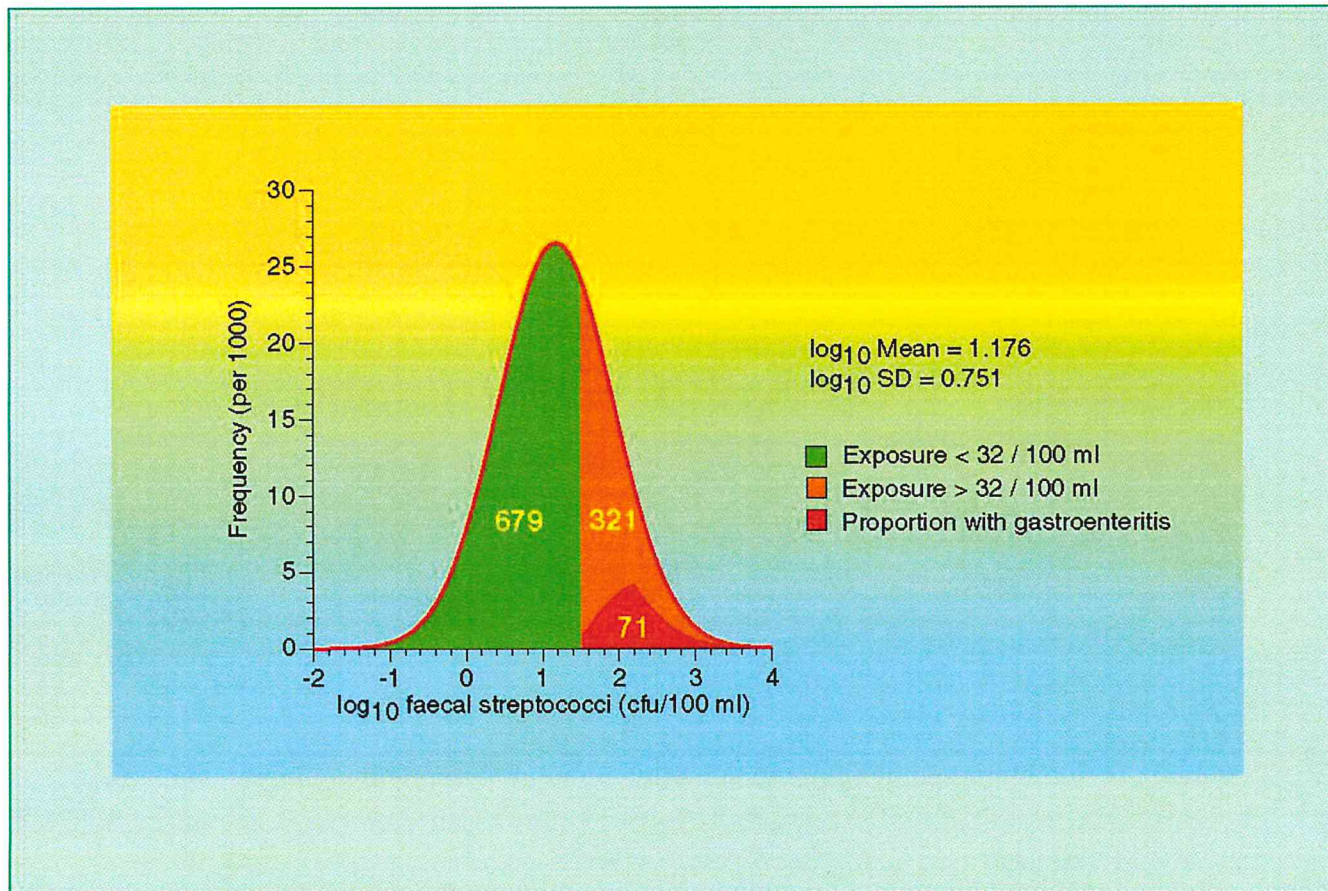


RESULTS

- Data were analysed both
 - Univariately
 - Logistic Regression
- Full assessment of the effect of confounding variables



DISEASE BURDEN MODEL-



GUIDELINES DERIVATION

SEE KAY ET AL 1994 + 2004 AND PRUSS 1998



Water

Predicting likelihood of gastroenteritis from sea bathing: results from randomised exposure

D. Kay, J.M. Fleisher, R.L. Salmon, F. Jones, M.D. Weyer, A.F. Godfree, Z. Zelenka, R. Shore

© International Epidemiological Association 1998 Printed in Great Britain

THE LANCET

Review of epidemiological studies on health effects from exposure to recreational water

Annette Prüss

International Journal of Epidemiology 1998;27:1-9

Background In order to facilitate the setting of guidelines, this review article evaluates the health risks caused by poor microbiological quality of recreational natural water.

Methods Studies on uncontrolled waters, such as sea, lakes and rivers were considered in this review through MEDLINE and WHO resources. Out of the 37 studies identified 22 were reviewed because they addressed associations of interest and fulfilled the validity criteria.

ELSEVIER

WATER RESEARCH

www.elsevier.com/locate/waters

Derivation of numerical values for the World Health Organization guidelines for recreational waters

Water Research 38 (2004) 1296-1304

David Kay^{a,*}, Jamie Bartram^b, Annette Prüss^b, Nick Ashbolt^c, Mark D. Weyer^d, Jay M. Fleisher^a, Lorna Fewtrell^a, Alan Rogers^a, Gareth Rees^d

THE WHO MICROBIOLOGICAL GUIDELINES



≤40	This range is below the NOAEL in most epidemiological studies.	<1% GI illness risk <0.3% AFRI illness risk
41–200	The 200/100 ml value is above the threshold of illness transmission	1–<5% GI illness risk 0.3–<1.9% AFRI illness risk
201–500	This range represents a substantial elevation in the probability of all adverse health risks	5–10% GI illness risk 1.9–3.9% AFRI illness risk
>500	Above this level, there may be a significant risk of high levels of minor illness transmission.	>10% GI illness risk >3.9% AFRI illness rate

See Table 4.7 in the 2003 WHO Guidelines for Safe recreational Water Environments

The 'guideline values' in the left hand column are 95%ile values for intestinal enterococci

EU CRITERIA (COASTAL WATERS)



For coastal waters and transitional waters

	A	B	C	D	E
	Parameter	Excellent quality	Good quality	Sufficient	Reference methods of analysis
1	Intestinal enterococci (cfu/100 ml)	100 ⁽³⁾	200 ⁽³⁾	185 ⁽⁴⁾	ISO 7899-1 or ISO 7899-2
2	Escherichia coli (cfu/100 ml)	250 ⁽³⁾	500 ⁽³⁾	500 ⁽⁴⁾	ISO 9308-3 or ISO 9308-1

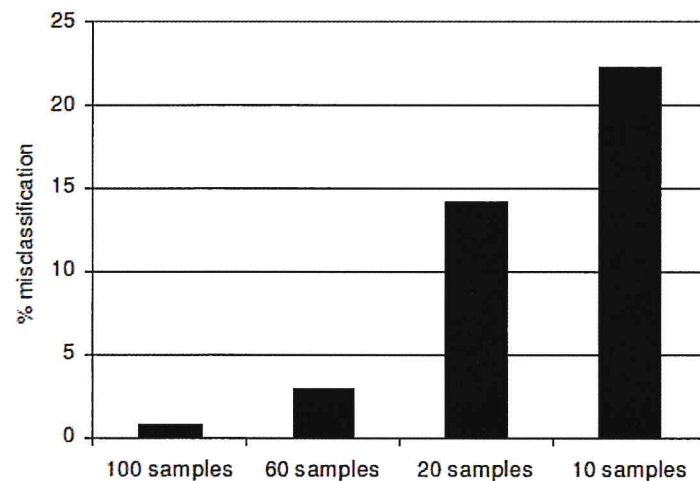
⁽¹⁾ Based upon a 95-percentile evaluation. See Annex II.

⁽²⁾ Based upon a 90-percentile evaluation. See Annex II.

⁽³⁾ Based upon a 95-percentile evaluation. See Annex II.

⁽⁴⁾ Based upon a 90-percentile evaluation. See Annex II.

OK SO WHAT QUESTIONS REMAIN? MISCLASSIFICATION (WHO 2009)



- The 'n' values are too low to produce annual compliance data (WHO 2009) without misclassification of bathing water sites. WHO recommend (20 samples/season) and using 5 seasons: i.e. 100 samples

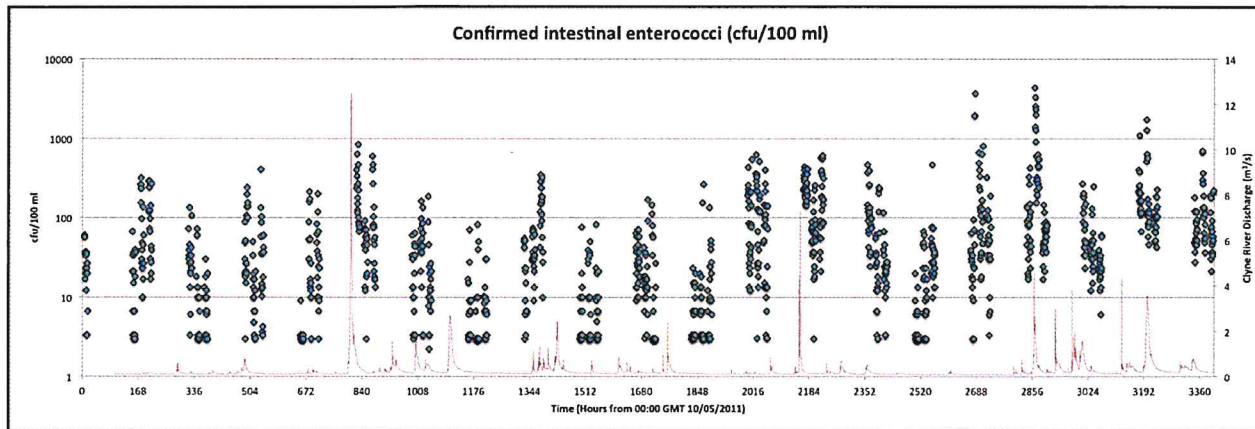
OK SO WHAT IS STILL QUESTIONABLE

- Can a weekly compliance **sample** characterise a bathing water's quality?

- EU funded projects in the UK suggest not
- Compliance sites sampled half hourly for 60 bathing days i.e. $60 \times 25 = 1,500$ samples all analysed in triplicate = 4500 enumerations per bathing water. With multiple dilutions this increases to 9000 enumerations.



WITHIN-DAY VARIABILITY (SWANSEA BAY DSP)

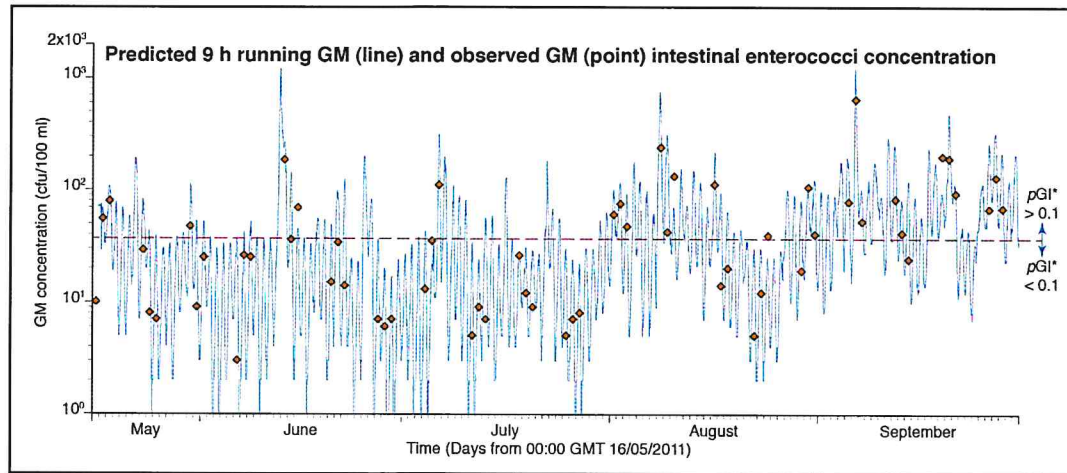


- Within-day variability can be high and varies between days: e.g. a maximum of $10^{3.08}/100\text{ml}$ at the Swansea Bay DSP with $10^{3.88}$ at Nolton DSP and mean daily range approached 10^2 at most sites but is lower at Swansea Bay DSP
- The pattern has proven highly diurnal at one site

Period (GMT)	rBWD <i>E. coli</i> Outcome	rBWD enterococci Outcome	rBWD Overall Outcome
07:00-11:00	Sufficient	Poor	Poor
11:30-15:00	Good	Sufficient	Sufficient
15:30-19:00	Sufficient	Poor	Poor



MODEL PREDICTIONS AT SWANSEA DSP

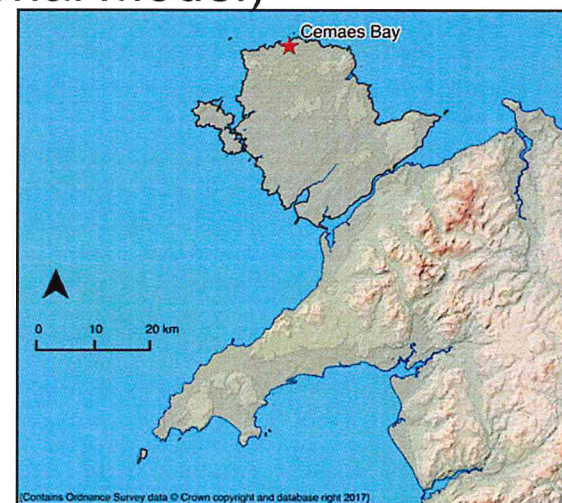
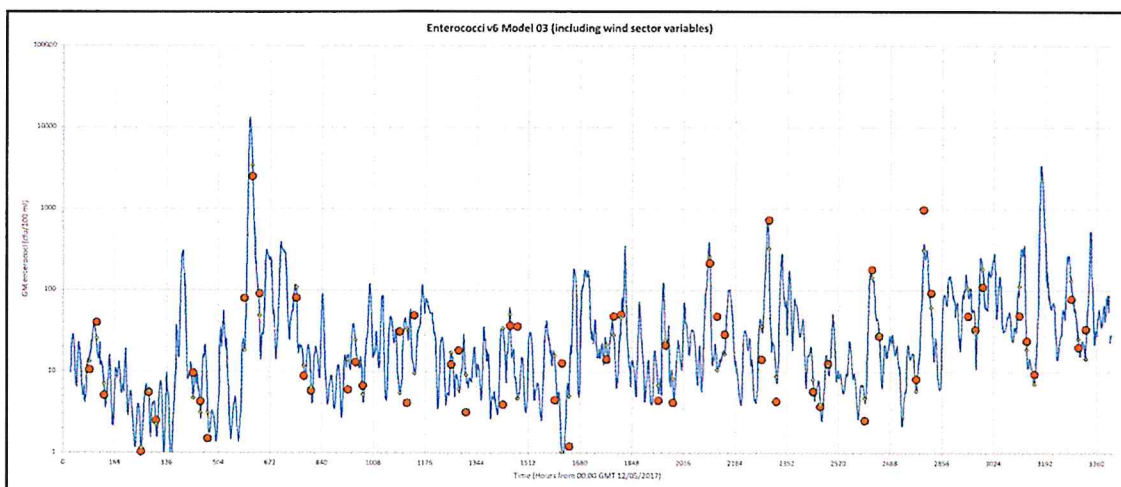


- But the FIOs can be modelled using 'statistical' modelling giving R² values (predictive power) of 75.9%
- Traditional hydrodynamic coastal modelling has R² values of about 0.1%

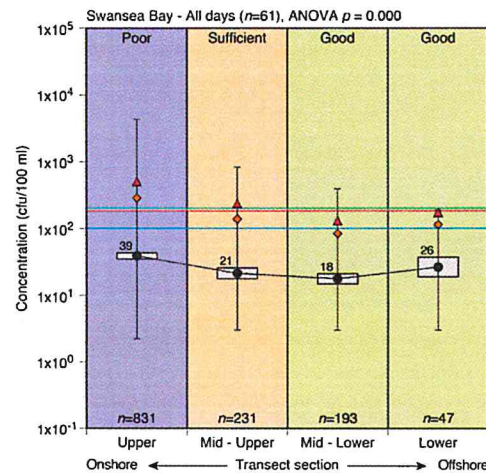
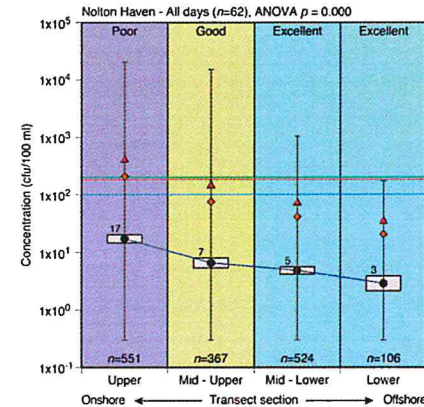
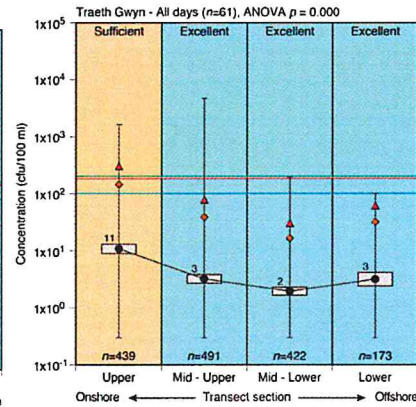
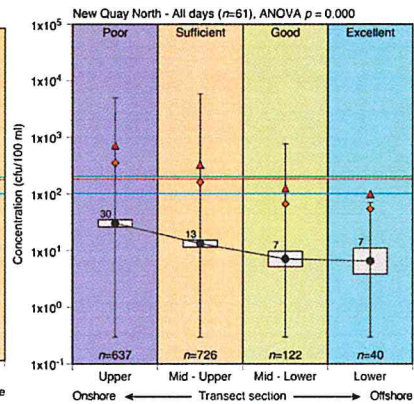
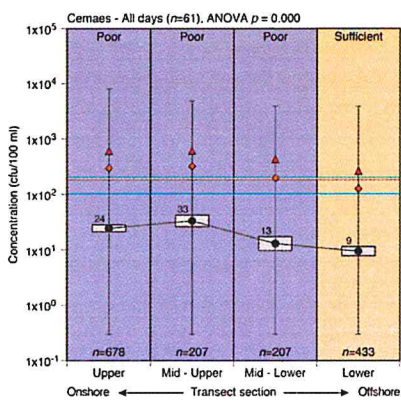
CEMAES BAY ANGELSEA (ACCLIMATIZE)



- Model predictions for Cemaes Bay Angelsea $R^2 = 71.6\%$ (operational model)



IMPACT OF SAMPLE TRANSECT POSITION



CONTACT DETAILS



David Kay

CREH

Aberystwyth University UK

+447768723287 (Mobile)

dave@creh.org.uk (Email)



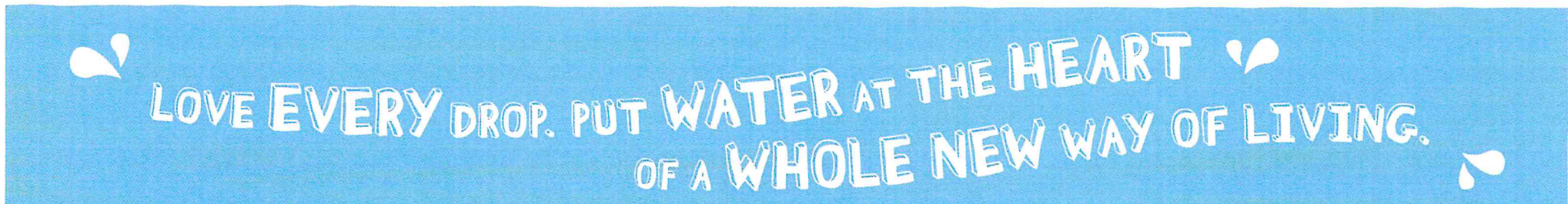
West Norfolk Bathing Waters MST and NGS Results

LOVE EVERY DROP. PUT WATER AT THE HEART
OF A WHOLE NEW WAY OF LIVING.

Heacham DSP



CREH Location Description	HuBac Log/100ml	RuBac Log/100ml	Bird Log/100ml	Dog Result	Catmar Log/100ml	E. coli RESULT (cfu/100ml)	Conf. Intestinal Enterococci RESULT (cfu/100ml)
Heacham DSP Seawater	1.75	2.64	0.00	1.50	5.90	509	400
Heacham DSP Seawater	1.49	0.00	0.00	0.00	5.81	491	164
Heacham DSP Seawater	0.00	0.00	0.00	2.09	6.60	318	170
Heacham DSP Seawater	1.60	0.00	0.00	2.52	6.19	36	1900
Heacham DSP Seawater	0.00	0.00	1.92	0.00	5.41	100	136
Heacham DSP Seawater	0.00	0.00	0.00	0.00	5.29	40	27
Heacham DSP Seawater	1.91	0.00	2.42	2.16	6.10	1018	700



Hunstanton Main DSP



CREH Location Description	HuBac Log/100ml	RuBac Log/100ml	Bird Log/100ml	Dog Result	Catmar Log/100ml	E. coli RESULT (cfu/100ml)	Conf. Intestinal Enterococci RESULT (cfu/100ml)
Hunstanton DSP Seawater	1.74	0.00	0.00	2.04	5.44	173	1200
Hunstanton DSP Seawater	1.74	0.00	0.00	0.00	5.03	100	1700
Hunstanton DSP Seawater	2.32	0.00	1.73	0.00	5.63	227	245
Hunstanton DSP Seawater	2.20	0.00	0.00	1.54	4.95	109	836
Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	4.68	10	36
Hunstanton DSP Seawater	0.00	0.00	1.95	0.00	5.50	20	9
Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.67	30	70
Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.36	73	30
Hunstanton DSP Seawater	2.10	0.00	0.00	1.70	5.41	600	209
Hunstanton DSP Seawater	0.00	0.00	2.31	0.00	5.71	682	945
Hunstanton DSP Seawater	0.00	0.00	2.06	0.00	6.00	555	600
Hunstanton DSP Seawater	2.35	3.88	0.00	0.00	6.31	382	827

LOVE EVERY DROP. PUT WATER AT THE HEART OF A WHOLE NEW WAY OF LIVING.

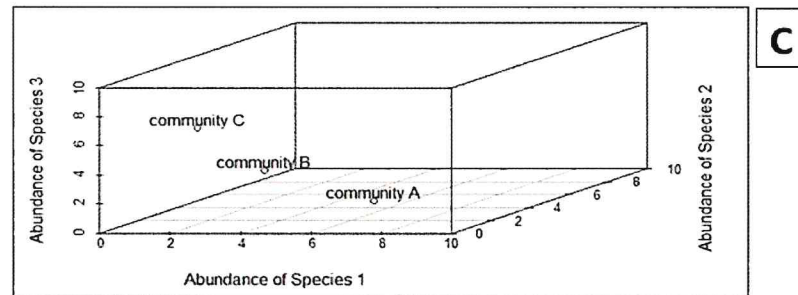
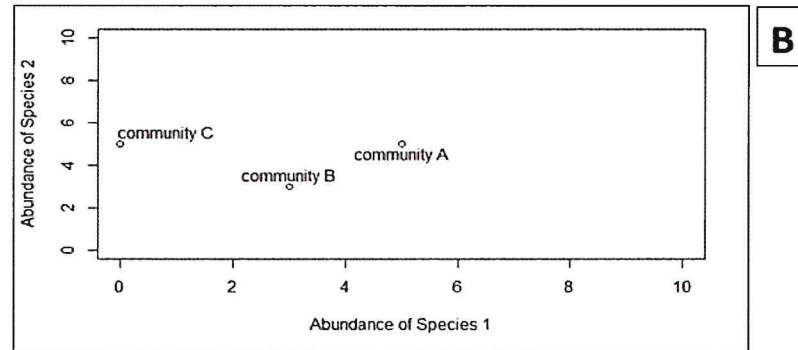
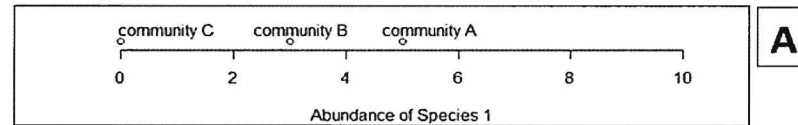
Old Hunstanton DSP



GREH Location Description	HuBac Log/100ml	RuBac Log/100ml	Bird Log/100ml	Dog Result	Catmar Log/100ml	E. coli RESULT (cfu/100ml)	Conf. Intestinal Enterococci RESULT (cfu/100ml)
Old Hunstanton DSP Seawater	0.00	0.00	0.00	2.10	5.23	60	20
Old Hunstanton DSP Seawater	2.00	0.00	0.00	2.26	5.29	55	10
Old Hunstanton DSP Seawater	1.77	0.00	0.00	2.47	5.65	9	20
Old Hunstanton DSP Seawater	2.04	0.00	0.00	2.11	5.52	9	9
Old Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.88	118	100
Old Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.95	130	140
Old Hunstanton DSP Seawater	0.00	0.00	0.00	1.97	5.68	100	60
Old Hunstanton DSP Seawater	0.00	0.00	0.00	0.00	5.80	90	80
Old Hunstanton DSP Seawater	1.46	0.00	0.00	0.00	6.21	110	45
Old Hunstanton DSP Seawater	1.87	0.00	0.00	2.42	5.90	120	82
Old Hunstanton DSP Seawater	1.76	0.00	0.00	0.00	5.28	27	70
Old Hunstanton DSP Seawater	0.00	0.00	0.00	2.15	5.20	70	73

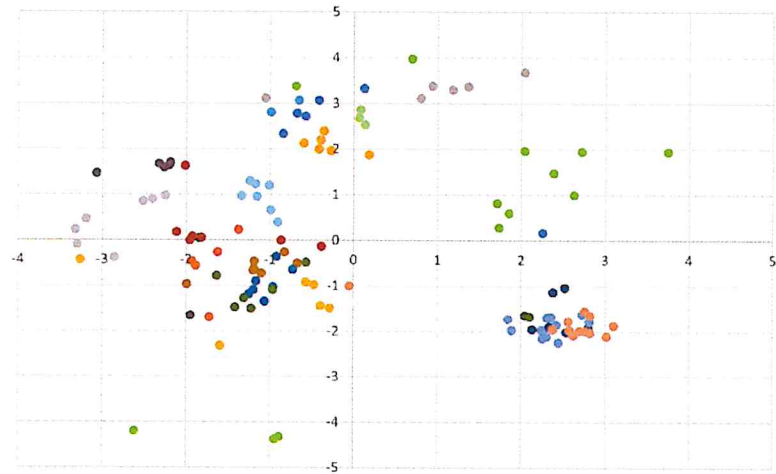
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Next-Generation Sequencing



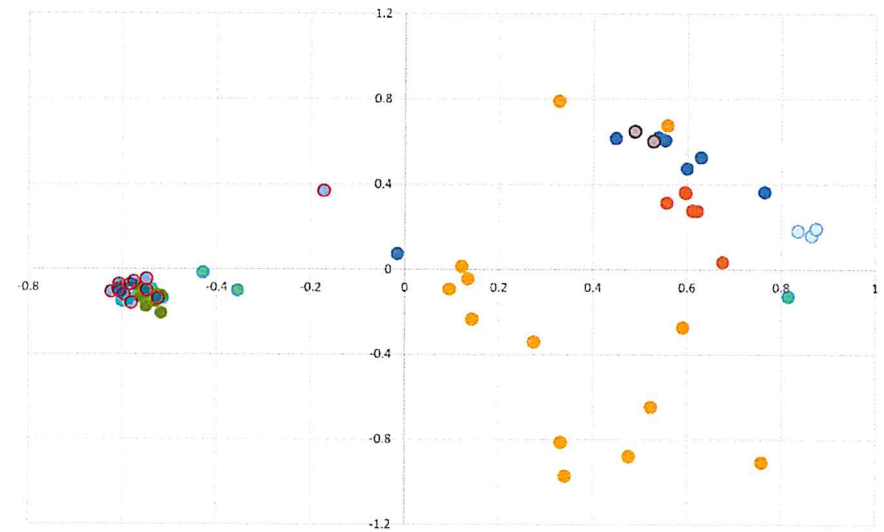
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NGS – West Norfolk Results



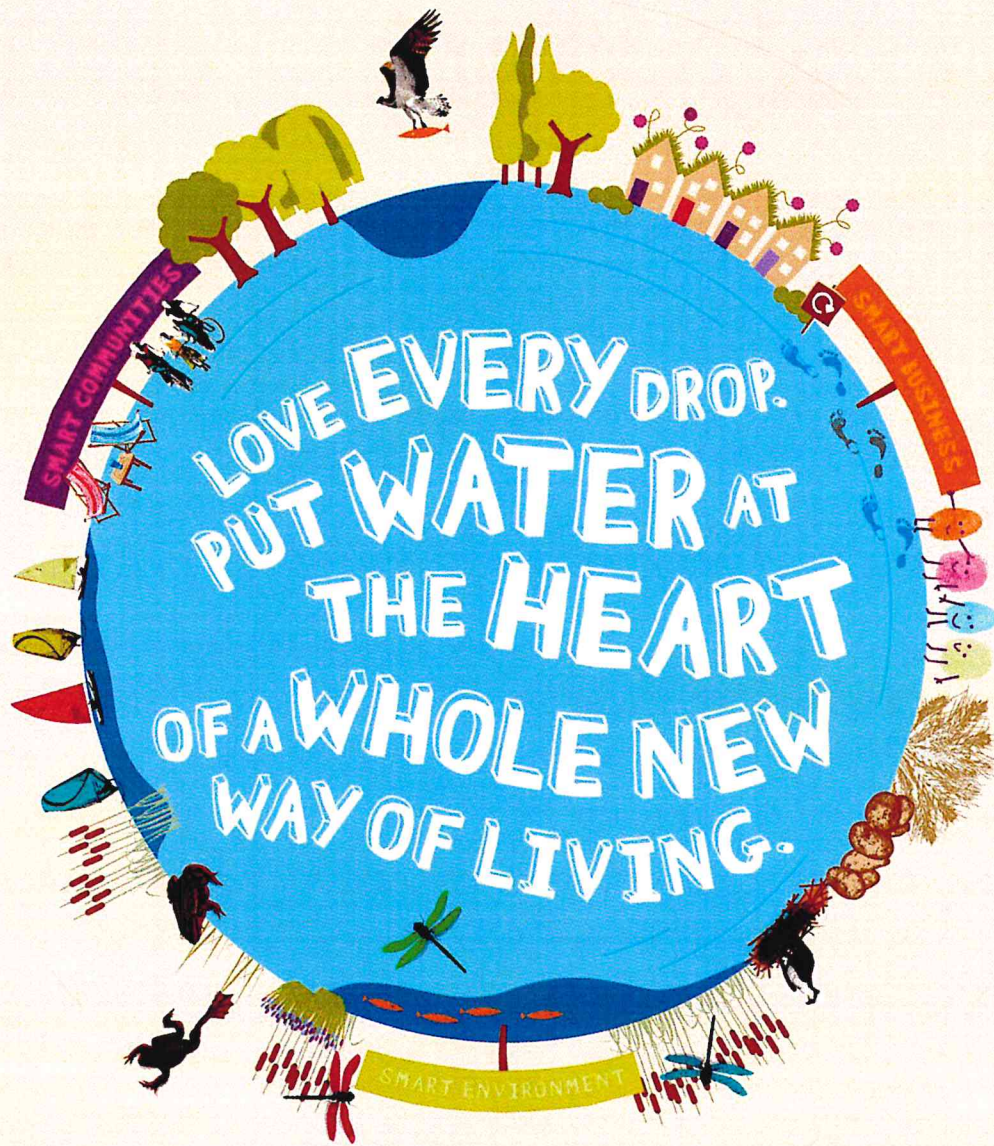
- Avian ● CS ● Dog ● Duck ● Goose ● Gull
- HeachDSP ● HeachFinal ● HeachRaw ● HRST ● HRSTCO ● HRUST
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Heacham, Hunstanton and Old Hunstanton



- Avian ● Duck ● Goose ● Gull ● HeachDSP ● HunstDSP ● OldHunstDSP ● Swan

LOVE EVERY DROP. PUT WATER AT THE HEART
OF A WHOLE NEW WAY OF LIVING.



love
every
drop. 
anglianwater



THE QUEEN'S AWARDS
FOR ENTERPRISE:
SUSTAINABLE DEVELOPMENT
2015

7

Louise Gayton

From: Chief Executive and Leader PA
Sent: 02 December 2022 11:00
To: Cllr Stuart Dark; Cllr Terry Parish
Subject: FW: Bathing Water Classifications 2022

FYI...

Thanks,
Helen

P.A. to the Chief Executive and Leader

*Lorraine Gore, Chief Executive
Councillor Stuart Dark MBE, Leader*

*The Borough Council of King's Lynn & West Norfolk
King's Court, Chapel Street, King's Lynn, Norfolk PE30 1EX
Tel: 01553 616245*

Please note, this position is job-shared between Emma Elflett (Monday and Wednesday) and Helen Scott (Tuesday, Thursday and Friday)

From: SM-Defra-bathingwater (WQ) <bathingwater@defra.gov.uk>
Sent: 30 November 2022 09:33
To: SM-Defra-bathingwater (WQ) <bathingwater@defra.gov.uk>
Subject: Bathing Water Classifications 2022

[External Email]
[Think before you click on links]

Dear Chief Executive,

The new bathing water classifications for 2022, which are based on monitoring data collected by the Environment Agency between 2018, 2019, 2021 and 2022, have now been published on GOV.UK.

To see the bathing water classification(s) for the site(s) in your area please visit
<https://www.gov.uk/government/publications/bathing-waters-in-england-compliance-reports>

Yours sincerely
Sam Adams

Sam Adams | Policy Adviser | Bathing and Shellfish Waters | **Department for Environment, Food and Rural Affairs**
Seacole Building, 2 Marsham Street, London, SW1P 4DF | Mobile: 07443265527 | Email: sam.adams@defra.gov.uk

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Our ref: LG/HS
Please ask for:
Direct dial: (01553) 616245
E-mail: Lorraine.gore@west-norfolk.gov.uk

Borough Council of
**King's Lynn &
West Norfolk**



Rebecca Pow MP
Minister for Environmental Quality & Resilience
House of Commons
London SW1A 0AA

Chief Executive
Lorraine Gore

Via Email: Rebecca.pow.mp@parliament.uk

5 December 2022

Dear Minister

Bathing Water Quality in West Norfolk

We are writing to express our concern regarding the water quality issues that the borough council is experiencing in Heacham. The lack of support from the Environment Agency is very disturbing despite the problem being unresolved for several years and Heacham being one of only five in the UK experiencing such poor water quality.

The uniqueness of Heacham and the tourism it brings to west Norfolk cannot be underrated, together with an active shellfish industry that is dependent on the ability to harvest from unpolluted waters.

We have been working with Anglian Water who have been helpful in investigating and identifying potential causes of poor water quality, however, they are only able to undertake this on the infrastructure that they have responsibility for, which still leaves other routes as potential sources. As yet, we do not appear to be able to gain any momentum with the Environment Agency providing the resources necessary and implementing a plan of action to identify the problem, let alone address it.

The 2022 bathing water quality classification published today confirms that Heacham will remain classified as 'poor' for a 2nd successive year, these results are based on samples taken during the preceding 4 years. In addition, the shellfish waters for this area have also seen poor results, resulting in a closure of the shellfish harvesting area earlier this year. In addition to the poor classification for Heacham, more worryingly the classification for Hunstanton (Old) has reduced in the 2022 classifications from 'good' to 'sufficient', which is showing a worrying trend not just related to the Heacham locality.

.../-

King's Court, Chapel Street, King's Lynn, Norfolk PE30 1EX
Tel: (01553) 616200; fax: (01553) 691663
DX 57825 KING'S LYNN

Chief Executive – Lorraine Gore



As a result, the borough council is actively seeking a resource to provide specialist help. Although it is not within the borough council's remit to seek such resources, it has become necessary for us to move ahead with addressing the problem ourselves to avoid losing any further valuable and much needed tourism to the area. We would therefore very much appreciate your assistance with escalating the required work by petitioning the Environment Agency to urgently work with us.

We would be happy to discuss this matter further with you.

Yours faithfully

A handwritten signature in black ink, appearing to read 'Lorraine Gore'.

Lorraine Gore
Chief Executive

A handwritten signature in black ink, appearing to read 'Stuart Dark'.

Cllr Stuart Dark MBE
Leader of the Borough Council

A handwritten signature in black ink, appearing to read 'T. Parish'.

Cllr Terry Parish
Ward Member for Heacham

cc: James Wild MP

Bathing Water Classifications 2022

Extract from www.gov.uk/government/publications/bathing-waters-in-england-compliance-reports

	2022	2021	2019	2018	2017	2016	2015
Heacham	Poor	Poor	Sufficient	Sufficient	Sufficient	Good	Good
Hunstanton Main Beach	Sufficient	Sufficient	Sufficient	Sufficient	Sufficient	Good	Good
Hunstanton (Old Hunstanton)	Sufficient	Good	Good	Good	Good	Good	Good

NB: 2020 not listed

8

Notes from Heacham Beaches Meeting
Thursday, 17 November 2022 via Microsoft Teams

Attendees:

CLlr Stuart Dark
 Cllr Terry Parish
 Lorraine Gore
 Martin Chisholm

David Ousby (Item 4)
 Stuart Ashworth (Items 2&3)
 Debbie Ess (note taker)

Item		Action
1.	<p>Apologies</p> <p>None</p>	
2.	<p>Update on illegal food outlet</p> <p>Appeal came through and was dismissed, asked to remove with the last day being today, now starting process</p>	
3.	<p>Update on illegal campsite</p> <p>Summons will be issued to Mr Marshall in the next two weeks, the solicitors confirmed today. ACTION: SA to ask the case officer to call TP regarding the permitted development.</p>	SA
4.	<p>Notes of previous meeting (21/07/22)</p> <p>Sea water quality:</p> <ul style="list-style-type: none"> • MC to resend statutory notices to the parish council - <i>completed</i> • HS to arrange meeting with EA and AW to include Dave Morton and James Wild MP. Remain as an action until after MC has held conversations with EA/AW (see Item 5. below). <p>Refurbishment of South Beach toilets</p> <ul style="list-style-type: none"> • DO has received no feedback on the baby changing facilities retrofit, not ideal that it can only be fitted in the disabled bay, asked MCs team for feedback, it was raised at the parish council with one comment. ACTION: Keep it as a watching brief unless pushed and direct them to north beach. 	MC
	<p>Refurbishment of South Beach toilets</p> <ul style="list-style-type: none"> • TP raised an issue of misuse with the EV charging point, MC not aware that this was a council's EV point, TP confirmed it was, MC confirmed once the restricted markings are in place council can commence enforcement for misuse. ACTION: MC to look at, the car park is not in use until next operational year • Snagging issues are being dealt with, the building is complete and operational, continued monitoring with no issues to date. The floor has a large stain caused by the grout not being sealed as per the manufacturer's instructions and will be corrected at the end of the season. ACTION: DO ongoing, the issue to review the flooring material used will be picked up next year 	MC

	<ul style="list-style-type: none"> TP raised an issue with the radar locks on the disabled toilet, the door is propped open making the lock irrelevant. MC confirmed the lock is only engaged at night to stop overnight abuse. Ken Hill and Parish Council contributions – ACTION: MC to raise the first invoice to Ken Hill for £1,000 in October 2022 and every October thereafter, and to raise the invoice to the Parish Council for an annual contribution to be paid in instalments. 	<p>DO</p> <p>MC</p>
5.	<p>Sea water quality update – M Chisholm</p> <ul style="list-style-type: none"> ACTION: HS to liaise with DM for availability from other groups and arrange meeting, identify the key areas for the agenda ACTION: HS to liaise with DM to obtain the information to enable the letter to be composed in 2 parts to beachfront properties. Bathing water quality – MC was concerned the situation has got worse and is uncomfortable where the figures will end. MC wants the EA to be aware of how unhappy we are bringing in someone to assist the team who specialises in bathing water. The EH Manager food safety, health and safety feels the bacteria found in the water affecting the muscle bed is the same as the bacteria affecting the bathing water. She is looking at advice from a consultant in relation to bathing water quality and shellfish production water in a coastal area. The work would involve providing advice on how significant fluvial pollution sources are in affecting coastal water quality, particularly in relation to bacteriological quality. The work would likely involve devising a methodology to test the water to establish likely sources and locations of pollution sources such as untreated animal and human waste. The EH Manager asked Eurofins UK to assist but they declined, and she is currently looking for other providers. If costs are involved to obtain evidence, EA and AW will need to be involved. TP asked if there is a ban on cockle fishing, MC explained that it was seasonal with sampling throughout the year. Where the EA are the data holder, would they allow a third party to look at their data? MC confirmed the data was in the public domain. This should be a top priority for the EA to drive this forward. Until we understand what is causing the problem, we could make the issue worse. Where EA have given an indication to provide additional expertise, we should engage with James Wild to push this, move dates to align with the outcome of the results. Review EH findings from specialist when available, communicate with James Wild for any assistance on this matter highlighting the inaction of EA. ACTION: LG to draft a letter to the Minister cc James Wild, SD, TP include background info, identify the uniqueness of the area, suggesting they put the time and effort to resolve the problem. 	<p>HS/DM</p> <p>HS/DM</p> <p>LG</p>
6.	<p>Any other business</p> <p><u>Caravans on site</u> – number on site and distancing. TP had a brief response that the distances were not taking into account. ACTION: Follow up with licencing</p>	<p>HS</p>

	<p><u>Defibrillator at Fire Station</u> – SD confirmed that he had raised this with Cllr Margaret Dewsbury, NCC, and a letter had been sent to the Chief Officer. Currently awaiting a response. No update received. ACTION: SD will be at the NCC group tomorrow, request has been sent with no response.</p> <p><u>Commemorative plaque for Mercedes Gleitze</u> – ACTION: S Dark and T Parish to liaise with the Parish Council, explain the PC are to design and commission a larger more visible plaque and the council will fit it. TP to mention the plaque to the PC, SD to revisit conversation with MC to erect a plaque on the railings.</p> <p>T Parish raised a planning anomaly regarding beach properties, up to now they are unable to increase the habitable space as per the Local Plan, a government development right allows properties to be extended upwards without planning permission which includes beach properties, 2 applications are currently in the system. SA is seeking legal advice and to contact the EA to make them aware. T Parish has contacted the local MP. ACTION: SA to follow up – TP received a response from James Wild.</p>	<p style="text-align: center;">SD</p> <p style="text-align: center;">SD/TP/MC</p> <p style="text-align: center;">SA</p>
<p>7.</p>	<p>Date of Next Meeting</p> <ul style="list-style-type: none"> • ACTION: HS to arrange an informal discussion prior to meeting with EA. • Next meeting with EA/AW held in diaries for both 13th and 16th December – ACTION: HS to firm up • Heacham Beaches meeting in diary for 15th December at 4:30 (see AOB below). 	<p style="text-align: center;">HS</p> <p style="text-align: center;">HS</p>

Meeting closed at 3:30 pm

End of season mop up – MC power to the car park at Heacham to replace the pay and display machine and include CCTV, not planning any other works. Signage updates and bin replacements will take place in Heacham during the winter. TP reminded MC of flags for next year.

Any other business

- Next meeting – results discussion around 15th December to provide an opportunity to discuss at E&C
- NEW going forward focus meeting on water quality and invite other players P Kunes,
- D Robson, H&S and include partners if necessary
- Heacham beaches meetings suspended over winter start again early March
- TP – Is Hunstanton water quality picture satisfactory, MC replied sufficient last time, results not as random as Heacham and less of a concern
- Message from SD 'Over the past months I have found it really helpful with lots of positives from the meetings, thank you to all officers involved for the good work achieved'.



Sources of Pollution West Norfolk Bathing Waters

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BATHING WATER POLLUTION

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1

Dog Poo

Dog poo contains some nasty parasites and bacteria and any fouling on the beach that's not picked up gets washed into the sea.

2

Highways

Pollution can come from highways drainage. Run off from roads during wet weather washes chemicals, traces of oil, dirt and other pollutants into the sea.

3

Grazing Animals

Excrement from grazing animals can wash off fields into bathing waters during periods of heavy rainfall.

4

Bird Droppings

Bird droppings contain harmful bacteria and can wash down from rooftops when it rains into the bathing water. Droppings from large populations of birds under piers and other coastal structures can also be a problem.

5

Overflows

To protect properties from flooding during heavy rainfall combined sewer overflows and emergency overflows can lead to dilute sewage entering the bathing water.

6

Litter

Litter encourages vermin which carry disease. Their excrement gets washed into the bathing water along with the litter.

7

Equipment Checks

Routine visits to Water Recycling Centres and Pumping Stations are essential in discovering and preventing issues which could otherwise affect bathing water quality.

8

Boats

Boats can flush their bilge tanks and discharge onboard toilets directly into the sea.

9

Seaweed and Sediment

Bacteria growing in seaweed can pollute bathing water. Disturbed sand and sediment on the sea bed can release trapped bacteria.

13

Sewer Capacity

Sudden increases in seasonal holiday makers can put extra pressure on sewer capacity. Couple this with a reduction in sewer capacity due to a build up of fats, oils and grease and sewers and Water Recycling Centres can struggle to cope, making a pollution incident more likely.

12

Private Overflows

Discharges from private sewer systems, such as private pumping stations owned by caravan parks or privately owned cess pits, could result in untreated sewage entering the bathing water.

11

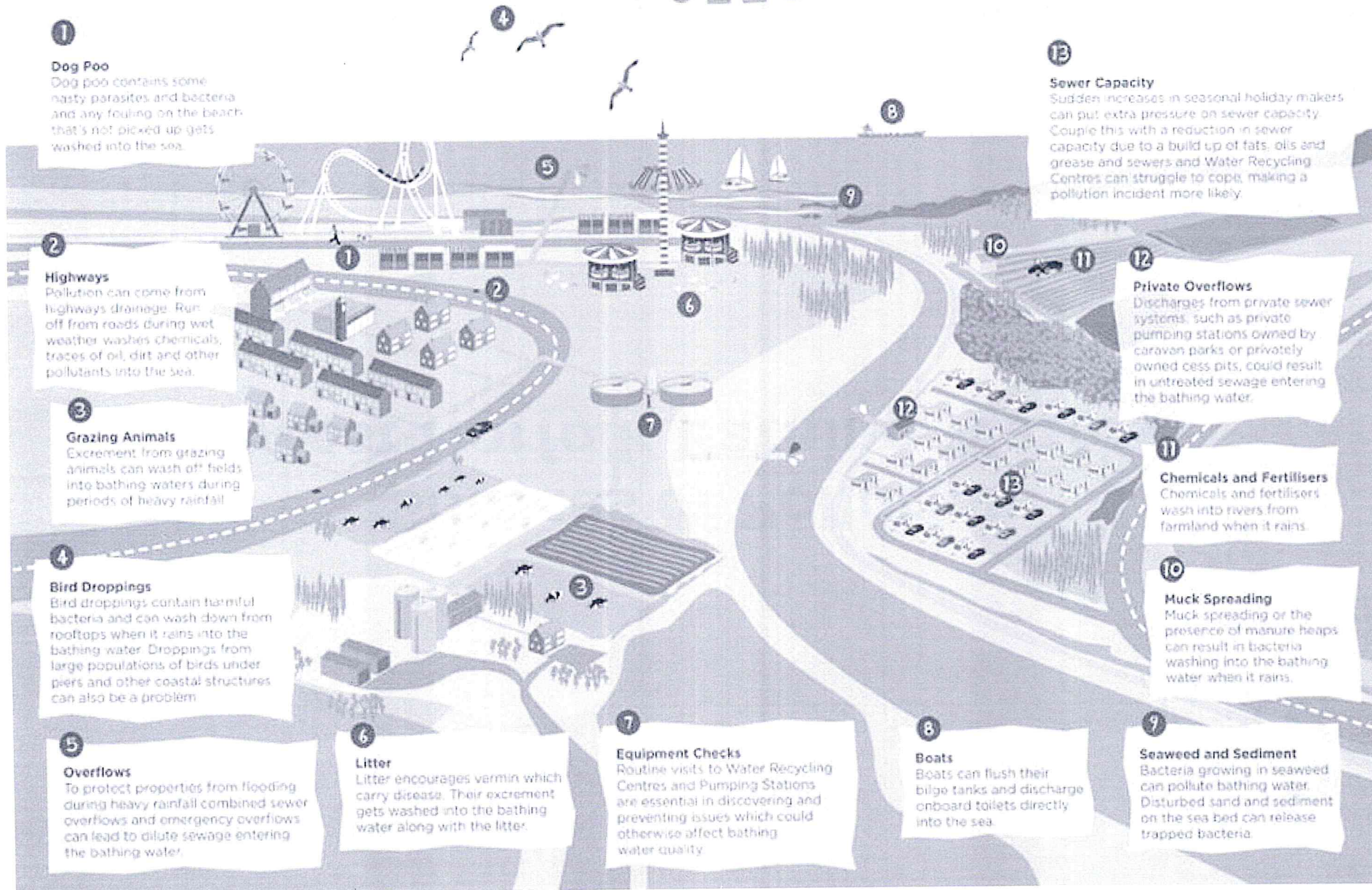
Chemicals and Fertilisers

Chemicals and fertilisers wash into rivers from farmland when it rains.

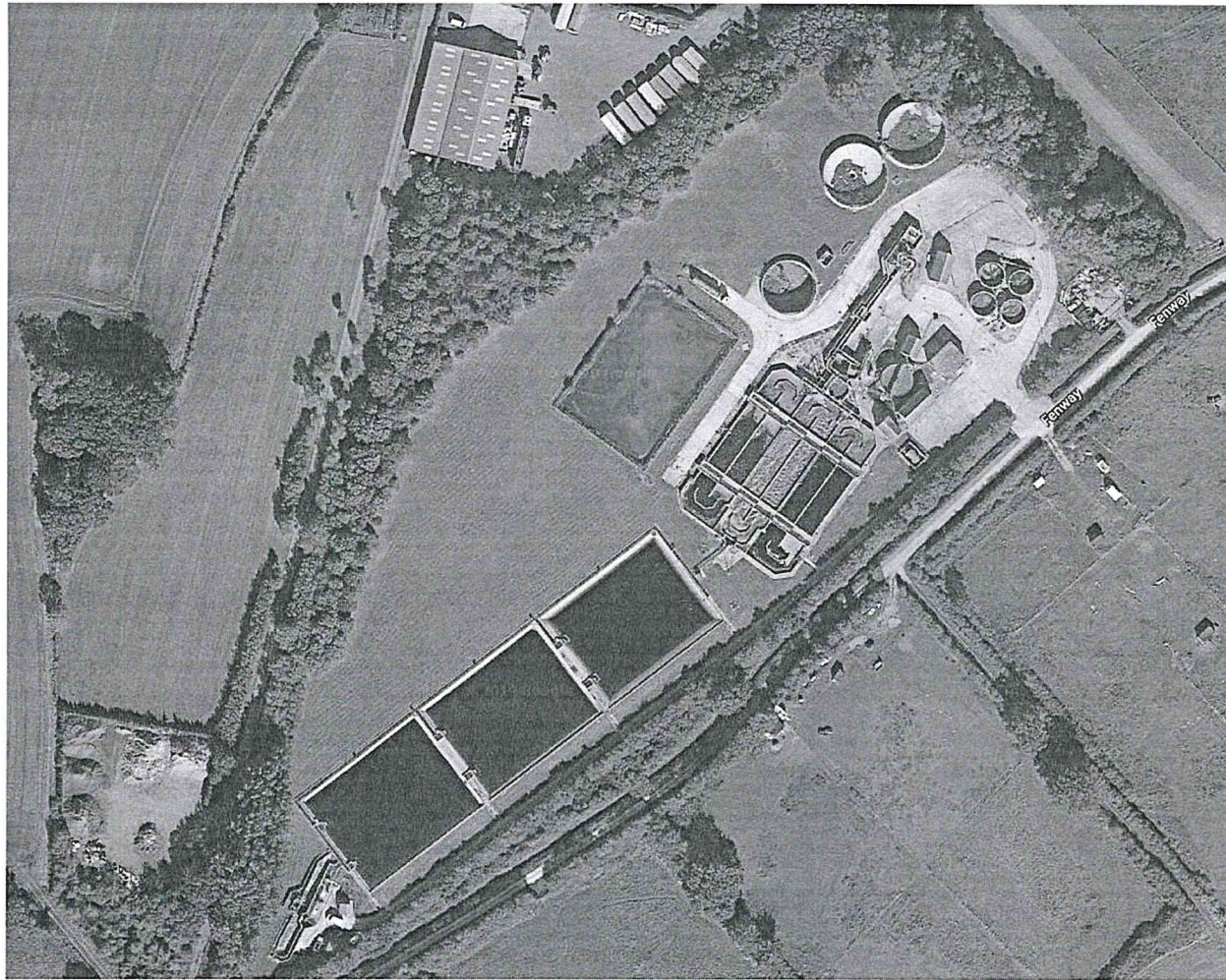
10

Muck Spreading

Muck spreading or the presence of manure heaps can result in bacteria washing into the bathing water when it rains.



Heacham WRC



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Pollution Risk Forecasts Vs Beachaware



PRFs	BeachAware
PRFs are based on measurements of Rain, Time, Tide, Sunlight (UV), Wind. Not linked to sewage / storm overflow	BeachAware uses a coastal model to predict the movement of plumes and whether this will result in impact to bathing water quality.
EA only issue these during the bathing water season (May to September)	AWS issue BeachAware alerts throughout the year
EA prediction tool is run every morning and any forecast remain in place for 24 hours (can get forecast for several days on the trot)	BeachAware alerts only generated when there has been asset activity and model predicts impact to a bathing water. Alerts remain in place 24 hours after a model predicts no further impact.
PRFs are issued to Local Authorities who display signage warning that swimming is not advised that day	BeachAware alerts are issued to Local Authority, EA and SAS. Signage can be displayed warning against swimming.
The EA do not make these forecasts for all bathing waters as 'not all are at risk from these issues'	BeachAware alerts cover a wider number of beaches and are in place for any bathing waters where

Bathing Water	BeachAware Alert	Pollution Risk Warning
Heacham	1	24
Hunstanton Main	1	21
Hunstanton Old	0	10

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Bathing Water Compliance Results - 2022

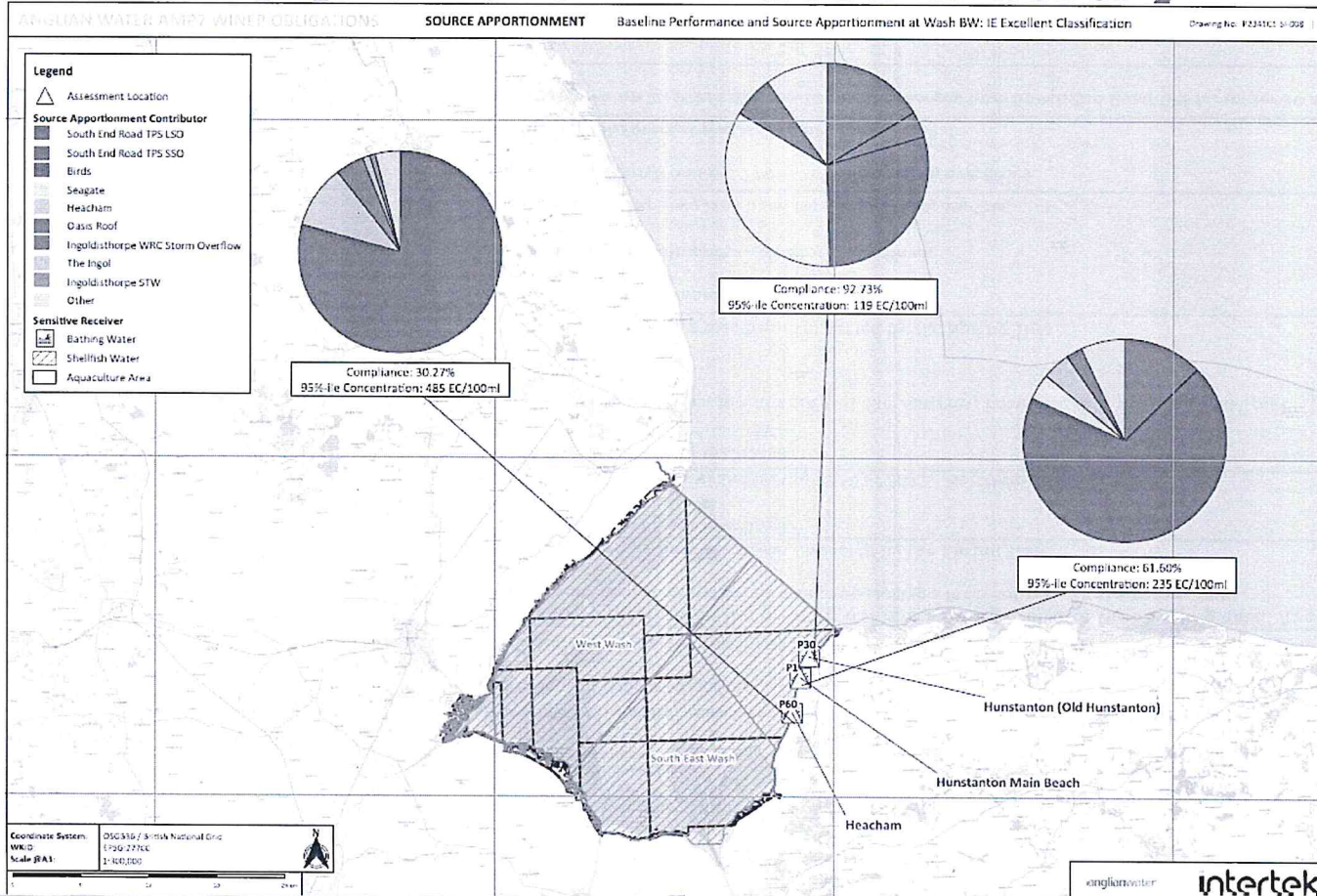


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Bathing Water	Date	Findings
Hunstanton Main	05/06/2022	Rainfall was recorded on the day of the sample to around 5 mm/hr. No storm overflows No elevated results were identified at Heacham and Old Hunstanton suggesting what impacted Hunstanton Main was localised. Pollution Risk Forecast was issued on this day
Heacham, Hunstanton Main, Old Hunstanton	30/06/2022	Rainfall was recorded on the previous day and on the morning of the sampling date. The greatest impact was seen at Hunstanton Main, suggesting a local source. No storm overflows. Water quality may have also been impacted by the Spring Tide.
Heacham	05/07/2022	No root cause has been identified. Limited rainfall was recorded on the 03/07/2022. No storm overflows
Heacham, Hunstanton Main, Old Hunstanton	31/07/2022	No root cause has been identified. Rainfall was recorded on the morning of the samples, however, this was not significant. No storm overflows Water quality may have also been impacted by the Spring Tide.
Heacham, Hunstanton Main, Old Hunstanton	13/08/2022	No root cause has been identified. No rainfall in preceding days. No storm overflows Water quality may have also been impacted by the Spring Tide.
Heacham	18/08/2022	Some heavy rainfall on 16-17/08/2022. No storm overflows Pollution Risk Forecast was issued on this day
Hunstanton Main	27/08/2022	Heavy rainfall on 25/08/2022 resulting in discharges from South End Road TPS for under 30 minutes.

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Intertek Source Apportionment Study



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Surface Water Outfalls

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Assessment of River Heacham

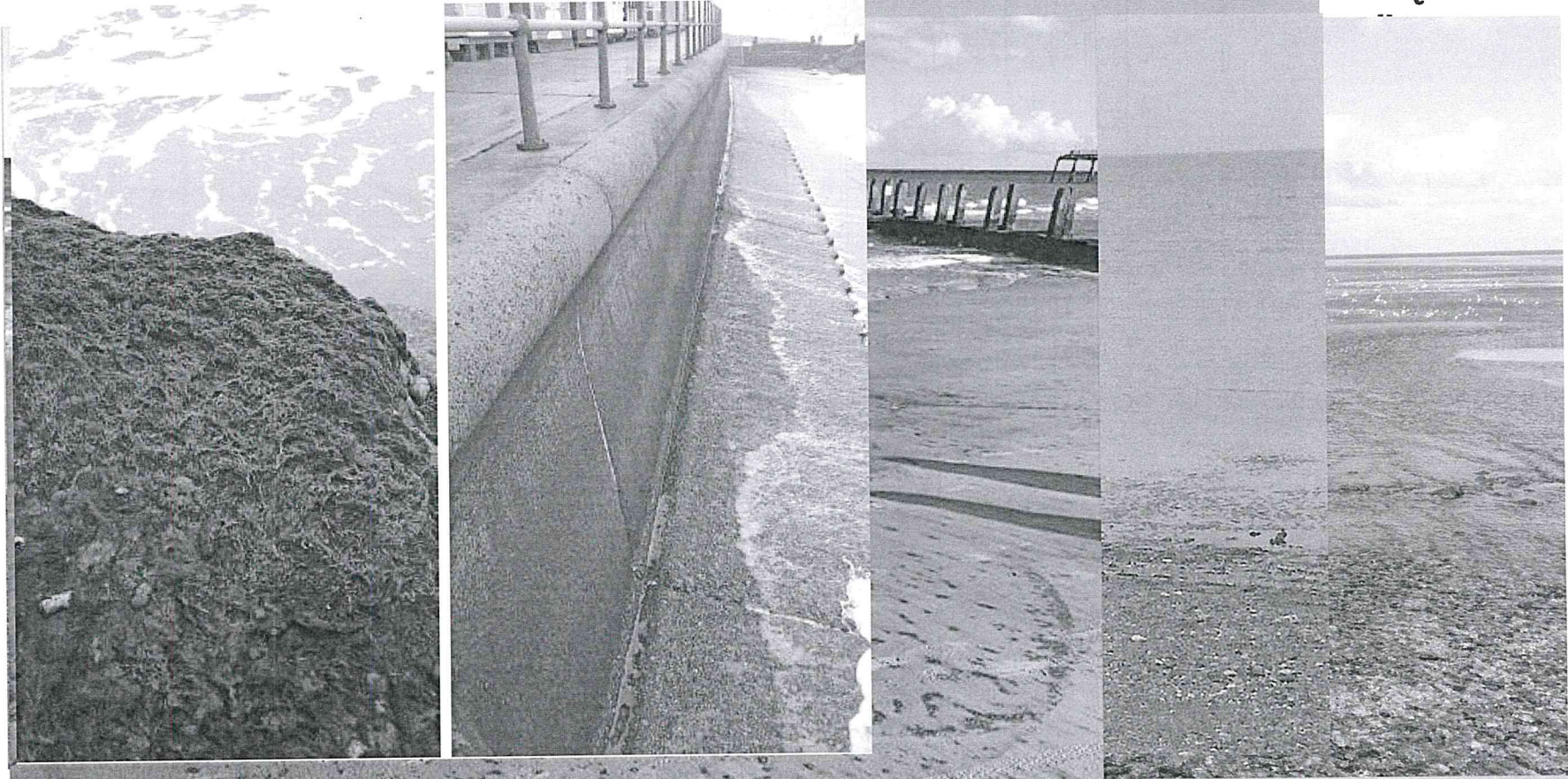




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Non-Human Sources

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drop. 



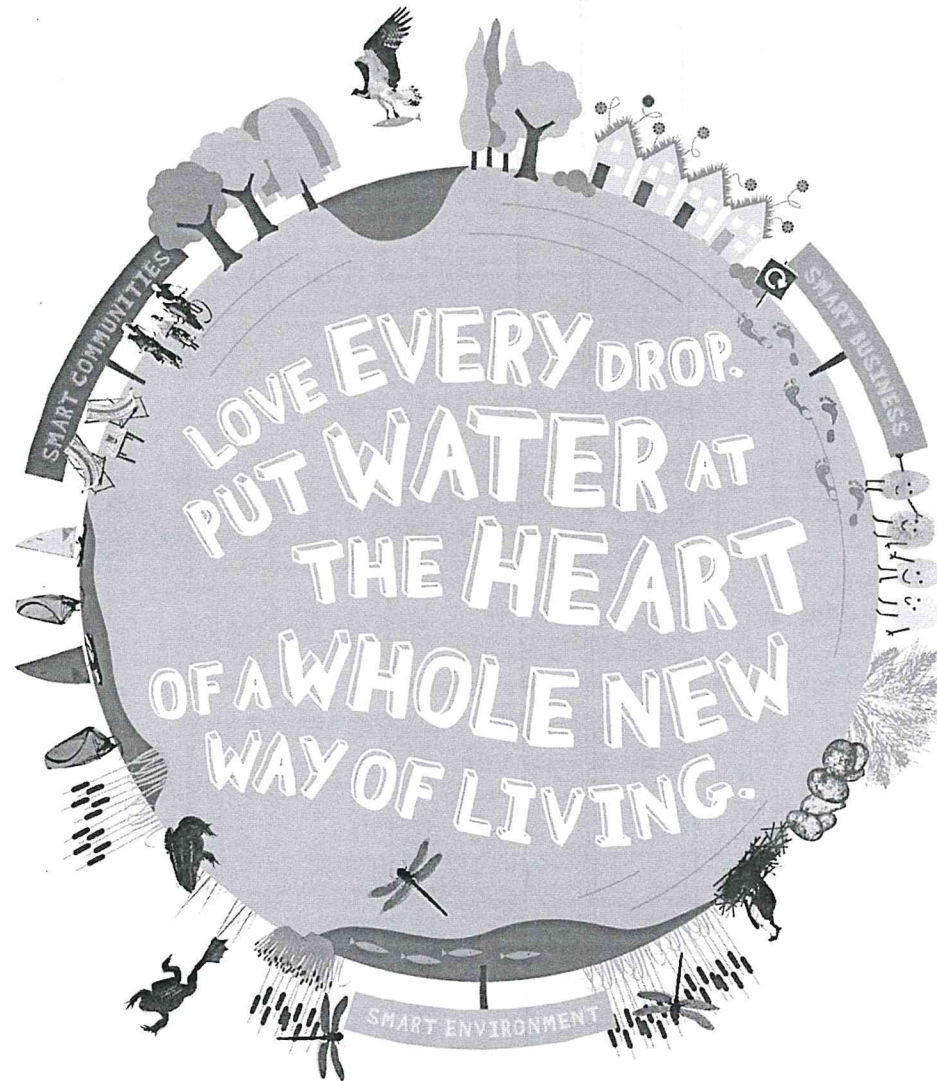
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Public Campaigns

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THE QUEEN'S AWARDS
FOR ENTERPRISE:
SUSTAINABLE DEVELOPMENT
2015

**Notes from Heacham Beaches Meeting
Thursday, 21 July 2022 via Microsoft Teams**

Attendees:

Cllr Stuart Dark
Cllr Terry Parish
Lorraine Gore
Martin Chisholm

Stuart Ashworth (item 4)
Debbie Ess (note taker)

Item		Action
1.	<p>Apologies</p> <p>None</p>	
2.	<p>Notes of previous meeting (19/05/22)</p> <p>Actions of previous meeting</p> <p>Sea water quality:</p> <ul style="list-style-type: none"> o MC to resend statutory notices to the parish council - <i>completed</i> o HS to arrange meeting with EA and AW to include Dave Morton and James Wild MP. Remain as an action until after MC has held conversations with EA/AW (see Item 5. below). <i>MC/DM/HS to arrange the meeting for September to include S Dark and T Parish</i> <p>Refurbishment of South Beach toilets</p> <ul style="list-style-type: none"> o Baby changing facilities retrofit to be considered after the opening when demand for the facility can be considered - <i>completed</i> 	
3.	<p>Refurbishment of South Beach toilets</p> <ul style="list-style-type: none"> • TP raised an issue of misuse with the EV charging point, MC not aware that this was a council's EV point, TP confirmed it was, MC confirmed once the restricted markings are in place council can commence enforcement for misuse. • Snagging issues are being dealt with, the building is complete and operational, continued monitoring with no issues to date. The floor has a large stain caused by the grout not being sealed as per the manufacturer's instructions and will be corrected at the end of the season. • TP raised an issue with the radar locks on the disabled toilet, the door is propped open making the lock irrelevant. MC confirmed the lock is only engaged at night to stop overnight abuse. • Ken Hill and Parish Council contributions – ACTION: MC to raise the first invoice to Ken Hill for £1,000 in October 2022 and every October thereafter, and to raise the invoice to the Parish Council for an annual contribution to be paid in instalments. 	<p align="center">MC</p> <p align="center">MC</p> <p align="center">MC</p>
4.	<p>Update on illegal campsite and planning application – S Ashworth</p>	

	<ul style="list-style-type: none"> • Planning application withdrawn, enforcement are preparing a file for the solicitors. • The neighbourhood plan is enforced and SA is actively looking at another site that has appeared. S Dark has met the Parish Council, another meeting planned in 6 months. <u>ACTION:</u> T Parish to ask if the PC wish to engage on this issue. <p>Update on illegal food outlet – S Ashworth</p> <ul style="list-style-type: none"> • Discussed at Parish Council and with the occupants next door, currently awaiting a response from the planning inspectorate letter. MC confirmed nothing to report from recent monitoring. • <u>ACTION:</u> Food Safety to continue with unannounced visits over Half Term. • <u>ACTION:</u> MC’s team to monitor over the summer holidays and highlight any activity to SA/M Whitmore. 	<p>TP</p> <p>SA</p> <p>MC</p>
5.	<p>Sea water quality update – M Chisholm</p> <ul style="list-style-type: none"> • MC shared the past 3 years data to demonstrate that this year is no different to previous years. MC proposed to meet the Parish Council and EA late September as the final readings will not be available until 2nd week in September. • <u>ACTION:</u> HS to liaise with DM for availability from other groups and arrange meeting, identify the key areas for the agenda • <u>ACTION:</u> HS to liaise with DM to obtain the information to enable the letter to be composed in 2 parts to beachfront properties. • <u>ACTION:</u> MC to arrange for Dave Morton to attend a parish council meeting with a presentation and Q&A session on statutory notices and how water samples are evaluated. MC to provide briefing note. • <u>ACTION:</u> MC to hold conversations with Environment Agency and Anglian Water – “What’s the problem? How can it be fixed? When can it be fixed?” Also, to ask for an update on the proposed letter to beachfront property owners. Meetings to be arranged with EA/AW as detailed at 2. above 	<p>HS/DM</p> <p>HS/DM</p> <p>MC</p> <p>MC</p>
6.	<p>Any other business</p> <p><u>Caravans on site</u> – number on site and distancing. <u>ACTION:</u> HS to follow up with Licensing to request further information/update.??</p> <p><u>Defibrillator at Fire Station</u> – SD confirmed that he had raised this with Cllr Margaret Dewsbury, NCC, and a letter had been sent to the Chief Officer. Currently awaiting a response. <u>ACTION:</u> SD to follow up prior to next meeting. No update received</p> <p><u>Commemorative plaque for Mercedes Gleitze</u> – <u>ACTION:</u> SD/MC to raise with EA when following up on benches on EA-owned sea defences and dog/litter bins. <u>ACTION:</u> S Dark and T Parish to liaise with the Parish Council, explain the PC are to design and commission a larger more visible plaque and the council will fit it.</p>	<p>HS</p> <p>SD</p>

	T Parish raised a planning anomaly regarding beach properties, up to now they are unable to increase the habitable space as per the Local Plan, a government development right allows properties to be extended upwards without planning permission which includes beach properties, 2 applications are currently in the system. <u>ACTION: SA is seeking legal advice and to contact the EA to make them aware.</u> T Parish has contacted the local MP.	SA
7.	Date of Next Meeting <ul style="list-style-type: none"> • HS to arrange an informal discussion prior to meeting with EA • Next meeting scheduled for late September with EA and MP – HS to arrange 	HS HS

Meeting closed at 4:00 pm

11

**Notes from Heacham Beaches Meeting
Thursday, 19 May 2022 via Microsoft Teams**

Attendees:

Cllr Stuart Dark
Cllr Terry Parish
Lorraine Gore
Martin Chisholm

David Ousby (item 3)
Stuart Ashworth (item 4)
Helen Scott (note taker)

Item		Action
1.	<p>Apologies</p> <p>None</p>	
2.	<p>Notes of previous meeting (21/04/22)</p> <ul style="list-style-type: none"> • Item 6. AOB – (5) ??? – To be updated to read ‘Mercedes Gleitze, first woman to swim the Wash – Addition of commemorative plaque at sea defences.’ • After amendment, accepted as an accurate record. <p>Actions of previous meeting</p> <ul style="list-style-type: none"> • South Beach Toilets – see Item 3. below. • Illegal Campsite & Food Outlet – see Item 4. below. • Sea water quality: <ul style="list-style-type: none"> ○ ACTION: MC to resend statutory notices to the parish council. ○ ACTION: HS to arrange meeting with EA and AW to include Dave Morton and James Wild MP. Remain as an action until after MC has held conversations with EA/AW (see Item 5. below). 	<p>MC HS</p>
3.	<p>Refurbishment of South Beach toilets – D Ousby</p> <ul style="list-style-type: none"> • New toilet block to be open ready for Platinum Jubilee bank holiday weekend. • Agreed – Working with contractors to install remote locking system in around one/two weeks after opening. In the meantime, keys will be used. • Agreed – bollards to be added after opening if deemed necessary. ACTION: MC to follow-up ready for next meeting. • Agreed – Baby changing facilities retrofit to be considered after the opening when demand for the facility can be considered. ACTION: MC to follow up ready for next meeting. • Considerations were given to a baby changing facility to be added at North Beach instead. 	<p>MC MC</p>
4.	<p>Update on illegal campsite and planning application – S Ashworth</p> <ul style="list-style-type: none"> • Heacham’s Neighbourhood Plan to be released on 17 June 2022. Planning application to go to Committee earliest July. ACTION: Reconsider enforcement after 17 June if necessary. 	<p>SA</p>

	<p>Update on illegal food outlet – S Ashworth</p> <ul style="list-style-type: none"> • Food Safety had visited the outlet but found it closed. A food registration form was delivered. TP confirmed it was open several weeks ago. ACTION: Food Safety to continue with unannounced visits over Half Term. • ACTION: MC’s team to monitor over the half term holiday and highlight any activity to SA/M Whitmore. • SA awaiting meeting date from Parish Council to update, expected to be in July. ACTION: SA to update next meeting. • ACTION: SA to send draft letter to HS to forward to planning inspectorate regarding the food premises. 	<p>SA/MW</p> <p>MC</p> <p>SA</p> <p>SA/HS</p>
5.	<p>Sea water quality update – M Chisholm</p> <ul style="list-style-type: none"> • MC confirmed that the latest sample reading from EA was good and a further reading was expected imminently. • ACTION: MC to arrange for Dave Morton to attend a parish council meeting with a presentation and Q&A session on statutory notices and how water samples are evaluated. MC to provide briefing note. • ACTION: MC to hold conversations with Environment Agency and Anglian Water – “What’s the problem? How can it be fixed? When can it be fixed?” Also, to ask for an update on the proposed letter to beachfront property owners. Meetings to be arranged with EA/AW as detailed at 2. above 	<p>MC</p> <p>MC</p>
6.	<p>Any other business</p> <p><u>Removal of vegetation beside boat ramps.</u> SD had updated the parish council and advised that infill will be added if necessary.</p> <p><u>Caravans on site</u> – number on site and distancing. ACTION: HS to follow up with Licensing to request further information/update.</p> <p><u>Defibrillator at Fire Station</u> – SD confirmed that he had raised this with Cllr Margaret Dewsbury, NCC, and a letter had been sent to the Chief Officer. Currently awaiting a response. ACTION: SD to follow up prior to next meeting.</p> <p><u>Commemorative plaque for Mercedes Gleitze</u> – ACTION: SD/MC to raise with EA when following up on benches on EA-owned sea defences and dog/litter bins.</p>	<p>HS</p> <p>SD</p> <p>SD/MC</p>
9.	<p>Date of Next Meeting</p> <ul style="list-style-type: none"> • Thursday, 16 June 2022 – 4:15pm – Agreed to be cancelled. • Next meeting scheduled for Thursday, 21st July – 4:15pm 	

Meeting closed at 5:15 pm

12

Louise Gayton

From: Suzanne Adderley <suzanne.adderley@great-yarmouth.gov.uk>
Sent: 29 April 2022 16:47
To: Carl Smith; cllr.shawn.vincent@broadland.gov.uk; Cllr Stuart Dark; a.waters@cllr.gov.uk; john@johnfuller.org.uk; tim.adams@north-norfolk.gov.uk; sam.chapman-allen@breckland.gov.uk; bill.dickson@broads-authority.gov.uk
Cc: joanna.elks@breckland.gov.uk; cbaldwin@s-norfolk.gov.uk; Chief Executive and Leader PA; Sandra King; siobhanennis@norwich.gov.uk; lynda.mcelligott@north-norfolk.gov.uk; Esmeralda.Guds@broads-authority.gov.uk
Subject: Letter to Government Ministers re Nutrient Neutrality
Attachments: Nutrient Neutrality.pdf

Good afternoon

Following yesterday's Leaders' meeting and the email below, please prefer proposed letter to be sent to the Rt Hon's Michael Gove and George Eustice.

Would you please review the letter and advise any comments you may have. If you believe there should be any changes to the text, then please advise the revised wording required. It would be appreciated if you could reply to all with any change requirements.

I've added Logo's and signatures for all bar the Broads Authority as I don't have them to hand – they have been requested and will be added prior to the letter being sent.

Cllr Smith has said that he is happy for the letter to be sent after the Bank Holiday weekend.

Please do let us have any comments/recommendations by not later than midday on Tuesday 3rd May

Many thanks & kind regards

Suzanne

Suzanne Adderley
PA to the Chief Executive
Executive Support
Policy & Performance
Great Yarmouth Borough Council

Email: suzanne.adderley@great-yarmouth.gov.uk
www.great-yarmouth.gov.uk
Telephone: 01493846352





GREAT YARMOUTH
BOROUGH COUNCIL

ACHIEVEMENT
AWARDS 2020
FINALIST **MJ**

LGC Awards
2020
WINNER



Great Yarmouth
& East Suffolk
UK City of Culture Bid

MJ Awards finalist for Senior Leadership Team and Delivering Better Outcomes
LGC Awards winner for Driving Growth

To read our email disclaimer visit here: www.great-yarmouth.gov.uk/email-disclaimer

From: Ashurst, Sarah <SarahAshurst@norwich.gov.uk>

Sent: 29 April 2022 10:27

To: Carl Smith <Cllr.Carl.Smith@great-yarmouth.gov.uk>; Suzanne Adderley <suzanne.adderley@great-yarmouth.gov.uk>

Cc: Cllr Waters, Alan <a.waters@cllr.norwich.gov.uk>; Evans, Stephen <StephenEvans@norwich.gov.uk>

Subject: Nutrient Neutrality Letter to Government Ministers

Dear Cllr Smith,

I understand from speaking to Stephen Evens, Chief Executive at Norwich City Council, that it was agreed at yesterday's Leaders meeting that a Norfolk wide letter would be prepared and sent to the Secretaries of State for Housing, Communities and Local Government and the Department of Environment, Food and Rural Affairs.

Please find attached a draft proposed letter for agreement by all Norfolk Leaders.

I am hoping your assistant will be able to add signatures and logos for each of the Norfolk Councils and the Broads Authority. If there are any issues with this please let me know and I will assist.

If I can be of further help please advise.

Kind regards
Sarah

Sarah Ashurst MRTPI
Head of Planning and Regulatory Services
Development and City Services
Norwich City Council

01603 987856 / 07557 588290

My working days are Monday to Friday 8:30 to 5:30

Using Microsoft Teams? Click [here](#) to contact me on Microsoft Teams

Date: 29 April 2022

By Email to:

The Rt Hon Michael Gove MP
(Secretary of State for Housing,
Communities and Local Government)

The Rt Hon George Eustice MP
(Secretary of State for the Department
of Environment, Food and Rural Affairs)

Dear Secretaries of State

Norfolk's planning authorities were one of many authorities affected by the Natural England letter of 16th March concerning nutrient neutrality in our waterways. In our case most of Norfolk, including the entirety of the major urban area of Norwich lies within the catchment area for either the River Wensum SAC or the Broads SAC.

Water quality is recognised as an important issue for us all. Norwich City Council have recently worked with local partners to bring forward a River Wensum Strategy which aims to improve both recreational access to the River Wensum but also its biological health. The council is also looking at ways it can improve the biodiversity offer of the River Wensum. Clearly preserving and enhancing the delicate and unique eco-systems of the Broads are also of considerable strategic importance to the long-term quality of life that Norwich, and Norfolk will be able to deliver to its residents.

We have acted quickly to try to address the arising implications, working together across Norfolk: we have tendered for consultants to support the delivery of a Norfolk wide Nutrient Mitigation Strategy. We anticipate this work will be completed in Winter 2022 and one of the outcomes will be to identify appropriate solutions.

Whilst we remain hopeful that a strategic solution(s) will be identified, it is becoming increasingly clear that the land take required, associated costs and timescales for delivery, will be significant. In the absence of a strategic solution, applicants are still having to seek their own nature based or alternative solutions to demonstrate their proposals are nutrient neutral.

The jointly prepared Greater Norwich Local Plan¹ was submitted for examination in public in July 2021. The plan seeks growth to 2038 and is ambitious in its vision identifying more than sufficient housing growth to meet needs and to deliver significant economic development. The examination sessions have taken place and we were on course to adopt the plan in early 2023 recognising the importance of the plan-led system and the Government's drive to have NPPF compliant local plans in place by the end of 2023.

The advice from Natural England has resulted in significant uncertainty for the progress of the plan and the Inspectors have recently asked how nutrient neutrality will be addressed: [GNLP WMS Letter April 2022 0.pdf](#).

¹ Prepared by Broadland District Council, Norwich City Council and South Norfolk Council, working with Norfolk County Council and the Broads Authority.

As you will be aware, housing delivery is a crucial test of soundness for the plan and the area affected covers the vast majority of the plan's strategic growth area. The resulting ambiguity about housing delivery following the NE advice means that the trajectory and deliverability of the housing growth is fundamentally thrown into question.

Other Norfolk authorities are looking to submit their local plans to the Inspectorate and the Natural England advice has disrupted their progress significantly, also leaving them uncertain as to when they might secure adoption and thereafter delivery of much needed growth.

The advice from Natural England has thrown into question the delivery of tens of thousands of homes across the region, including affordable homes for which there is significant need in the region.

There is a substantial short-term risk because of the NE guidance that development will be redirected to areas significantly further from Norwich City, the largest driver for growth in the area and the focus of substantial investment in infrastructure to support that growth agenda. This would create less sustainable travel patterns at a time when net-zero is a high priority and put unacceptable pressure on infrastructure in locations where plans are not in place to support large-scale growth and even have a further detrimental and irreversible impact on other protected landscapes.

The Norfolk authorities are of the view that the actions of Natural England here are disproportionate and unnecessarily damaging to our collective growth agenda. We remain disappointed to learn that the announcements were made in response to monitoring data, some of which was produced in 2019. Yet in the intervening 2 years plus Natural England have been focussed on developing national tool kits and appear to have deliberately foregone any opportunity to alert or engage with affected local authorities, thereby denying us the opportunity to develop the locally required solutions.

Had we known earlier what the data was showing – at a time when the coronavirus pandemic had for obvious reasons led to a downturn in planning applications – we could have developed a response by now. As things stand, this intervention from Natural England could not have come at a worse time for – at the very moment Covid restrictions are eased and our focus is on growing the economy, the Norfolk authorities are not able to approve planning decisions.

Council officers are working at pace to resolve this situation and have met with Natural England. We have been left shocked that Natural England couldn't describe the harm resulting from the nutrient levels or whether they were on an improving or declining trend. They could confirm that the waterways fell within certain percentage thresholds of favourable biological condition through pollutants but were unable to describe what harm was arising to native species as a result.

We consider the action of Natural England to have been undertaken without due consideration for the impacts, and through the failure to engage with the local authorities for 2 years may actually have been harmful to the quality of the waterways that ourselves and Natural England are seeking to protect.

We are collectively considering our legal response to this matter. Whilst we do this, we request that you support our desire to move quickly and put pressure on Natural England to take a pragmatic approach. Our ideal outcome would be rapid action from your departments to support the local authorities with continuing to deliver the growth this country needs by:

- instructing Natural England to formally withdraw the letter of 16th March and replace with one giving a minimum of one year's notice before the requirement to comply is introduced.

If you are unable to support this course of action, we ask that you

- Enable local plan inspectors to take a pragmatic approach to the Greater Norwich Local Plan, which has significantly progressed through in the examination process, and any others submitted by the Norfolk authorities. The plan(s) should be allowed to be adopted without a 5YLS and incorporate a stepped housing trajectory reflecting deliverability now impacted by nutrient neutrality advice
- Require Natural England to engage positively with discussions to investigate how special dispensation can be given to key regeneration proposals to allow consents to be issued prior to details of mitigation being confirmed (for instance through agreeing conditions requiring mitigation measures yet to be identified)
- Additionally, should the current advice remain in place, the operation of 5year land supply calculations and Housing Delivery Tests should be suspended to avoid areas draining to different catchments being subject to speculative, unreasonable, and unsustainable development pressures.

Norfolk is a pro-development area with ambitious plans for growth and regeneration. We are at this very moment negotiating an ambitious devolution deal with Government to help deliver the Levelling Up agenda. However, we have been stopped in our tracks by disproportionate and counter-productive action by Natural England which has taken us by surprise. It is our residents, business, communities; the people of Norwich and Norfolk, will suffer as a result.

We trust that you recognise the progress the Norfolk authorities have made to date. Evidently the existing national water quality issues will remain a barrier on housing delivery for several years which requires urgent attention if we and other affected authority areas are going to be able to help address the national housing crisis.

We urge you to positively consider our proposals as set out in this letter which would facilitate the continuation of the adoption of the GNLP and other local plans and enable significant regeneration and housing growth to go ahead. We would welcome the opportunity to discuss the content of this letter or provide additional information should you find it helpful.

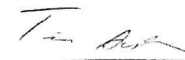
Yours sincerely



Cllr Shaun Vincent
Leader of Broadland District Council



Cllr Carl Smith
Chair of Norfolk Leaders' Group and Leader of
Great Yarmouth Borough Council



Cllr Tim Adams
Leader of North Norfolk District
Council



Cllr Alan Waters
Leader of Norwich City Council



Cllr John Fuller OBE
Leader of South Norfolk Council



Cllr Stuart Dark
Leader of the Borough Council of King's Lynn &
West Norfolk



Cllr Sam Chapman-Allen
Leader of Breckland District Council

Notes from Heacham Beaches Meeting
Thursday, 21 April 2022
via Microsoft Teams

Attendees:-

Cllr Stuart Dark
 Cllr Terry Parish
 Lorraine Gore
 Martin Chisholm

David Ousby (item 3)
 Matthew Clarey (item 4)
 Helen Scott (note taker)

Item		Action
1.	Apologies Stuart Ashworth	
2.	Notes of previous meeting (17/03/22) No notes taken	
3.	Refurbishment of South Beach toilets – D Ousby <ul style="list-style-type: none"> • The block was expected to be complete and open for week commencing 23 May 2022. • DO advised the group that he had recently attended the Heacham Parish Council meeting to present an update. Questions were raised, including baby changing facilities, overnight locks, opening hours throughout the year. • A defibrillator will be added to the block and a power supply will need to be put in. An EV charger would also be added. • Contractor was reminded to keep the site tidy, perhaps by adding a net to the top of the skip. • Discussions ensued around locking the toilets overnight. <u>ACTION:</u> L Gore and M Chisholm to discuss. • A question of bollards being placed to the front of the block to discourage parking was raised. <u>ACTION:</u> M Chisholm to discuss with Lucy Mellish. • <u>ACTION:</u> M Chisholm to have a conversation with his team regarding the disabled unit to include baby changing facilities. 	 MC MC MC
4.	Update on illegal campsite and planning application – M Clarey <ul style="list-style-type: none"> • An invalid planning application had been received and rejected, advising the owner to resubmit. <u>ACTION:</u> M Clarey to contact owner to ascertain the current status of the planning application. • Prosecution of the owner had been withdrawn following advice from Eastlaw, reasons being that the original breach had been remedied, permitted allowance was in place for some of the site, and the owner did attempt to regularise the issues. The Enforcement Notice is, however, still in place. • Cllrs Dark and Parish recorded their concern that they were unaware of the above. <u>ACTION:</u> L Gore and M Chisholm to ascertain full 	 M Clarey LG

	<p>explanation and timeline from S Ashworth upon his return from leave followed by an update meeting with Cllrs Dark/Parish.</p> <p>Update on illegal food outlet – M Clarey</p> <ul style="list-style-type: none"> • Currently in the hands of the planning inspectorate. The owners had appealed and the outcome is awaited. M Clarey advised that when enforcement is appealed, the breach is allowed to continue. • ACTION: M Clarey to contact Food Safety to ensure compliance. • ACTION: M Clarey to seek guidance from S Ashworth on expediting with the Planning Inspectorate, to appease other traders. 	<p>M Clarey</p> <p>M Clarey</p>
5.	<p>Sea water quality update – M Chisholm</p> <ul style="list-style-type: none"> • Testing recommendations from EA had now been received and data protection rules were to be followed up before passing to the legal team for next steps advice. ACTION: L Gore and M Chisholm to arrange further meeting with EA/AW re beachfront properties. Also invite Essex University to join the meeting re exploring opportunity for a wider study of bathing water quality. • T Parish confirmed the parish council were concerned about the water quality and had no confidence in Anglian Water. ACTION: MC to present update to parish council, also inviting James Wild MP, following meeting with EA/AW. • Statutory notices had now been produced by EA and were required to be put on site by 15 May 2022 (15/5 – 30/9 is the bathing season). The boards would be situated by the toilet blocks at both North and South Beach. ACTION: M Chisholm to keep the parish council updated. • Discussions ensued around the problem with the water quality and what the pollutants could be. • ACTION: M Chisholm to contact Comms to arrange for signage to go up as soon as possible. 	<p>MC</p> <p>MC</p> <p>MC</p> <p>MC</p>
6.	<p>Any other business</p> <ol style="list-style-type: none"> 1) <u>Removal of vegetation beside boat ramps</u> Complaints had been received that following removal sand was constantly blown over the ramps and zigzag path causing mobility difficulties for the disabled. Remedial action was requested. M Chisholm confirmed that the plants had been severely trimmed back and replanted and that his team were regularly clearing the sand from the areas throughout the season. ACTION: M Chisholm to contact his team to ascertain the length of time expected for the plants to regrow and mitigate in the meantime with further planting or more regular sweeping of sand. ACTION: M Chisholm to arrange for signs to be put up notifying the public. 2) <u>Caravans on site</u> ACTION: L Gore to follow up with Licensing on recommended distancing between caravans and the number of caravans allowed on site at any one time. 3) <u>Flag Poles</u> 	<p>MC</p> <p>MC</p> <p>LG</p>

	<p><u>ACTION:</u> M Chisholm to ensure flags are flying on the flag poles.</p>	MC
	<p>4) <u>Defibrillators for Heacham</u> M Chisholm was in the process of arranging for the defibrillator to be added to the South Beach toilet block. <u>ACTION:</u> Cllr Dark to contact NCC regarding siting a further defibrillator at the fire station in the village.</p>	SD
	<p>5) <u>Mercedes Gleitze</u> First woman to swim the Wash. Addition of commemorative plaque at sea defences. Parish council preference was to add signs to the railings facing out from the sea defences. <u>ACTION:</u> M Chisholm to discuss further with Dave Morton.</p>	MC
	<p>6) <u>Dog bins on the promenade</u> <u>ACTION:</u> M Chisholm to consider dog bins and regular bins being sited on the prom. Add as an item to the meeting with EA/AW.</p>	MC
9.	<p>Date of Next Meeting</p> <ul style="list-style-type: none"> Thursday, 19 May 2022 – 4:15pm 	

Meeting closed at 5:50 pm

**Notes from Heacham Beaches Meeting
Held on Thursday, 17 September 2021 via Microsoft Teams**

Attendees:-

Cllr Stuart Dark
Cllr Terry Parish
Lorraine Gore
Martin Chisholm

David Ousby (for first item)
Stuart Ashworth (for second item)
Helen Scott (note taker)

Item		Action
1.	<p>Update on project plan for South Beach toilets (D Ousby joined for this item)</p> <ul style="list-style-type: none"> • DO circulated the project plan, advising that designers are currently being sought for the project. He raised his concerns regarding supply chains for building works and price increases etc. but is confident that the project will be complete by the easter weekend of 2022. • SD confirmed that all funding was now in place and that signage should be produced as soon as possible to assure the public that the facility would be in before the easter weekend. • SD further requested that the parish council were kept updated and were involved somewhat in the planning/design stage. Agreed: DO to contact the clerk with a view to arranging a presentation slot at one of the parish council meetings. • DO to circulate regular updates to the Heacham Beaches group. 	<p align="center">DO DO DO</p>
2.	<p>Update on outstanding matters (S Ashworth joined for this item)</p> <ul style="list-style-type: none"> • <u>Monen caravan</u> – Advice was taken from the barrister employed for this case and removal of the caravan under non-planning legislation took place on 13th September. The BC were the collecting authority, NCC the disposing authority. NCC would submit their bill and would also charge for storage if necessary. • <u>Illegal campsite</u> – A summons has now been issued and the courts are expected to come back imminently. There may be a backlog in court but this case was at least now in the system. Agreed: SA to advise Sharon Clifton when the papers are served and arrange for a response to be drafted to the press if necessary. • <u>Food outlet</u> – The enforcement notice has now been served and is currently at the appeal period stage. • SD and TP noted thanks to SA for the successful outcomes. 	<p align="center">MC SA</p>
3.	<p>Apologies</p> <ul style="list-style-type: none"> • None recorded. 	
4.	<p>Notes of meeting of 23rd August 2021/Action points</p> <ul style="list-style-type: none"> • The notes of the meeting were agreed as an accurate record. <ul style="list-style-type: none"> ○ Action points: 	

	<p><i>Benches on EA land</i> – Action: SD and TP to progress and update via email.</p> <p><i>Water quality update</i> – MC shared the current position and advised of the 4-year moving average. The BC is currently listed as sufficient with three sufficient ratings and one poor rating. This will be registered for the next four years. The impact of the heavy rain has not yet been registered but Anglian Water did release an alert this week. Agreed: MC to arrange a meeting for AW and EA end October/early November. The season mop-up could follow.</p>	<p>SD/TP</p> <p>MC</p>
5.	<p>Progress of benches on the sea wall</p> <ul style="list-style-type: none"> • See Item 4, Action points above. 	
6.	<p>Litter bins and recycling on/off the promenade</p> <ul style="list-style-type: none"> • TP enquired as to any progress with bins being placed on the promenade. • MC advised that one bin was located on the promenade and causes a big issue with the time it takes to empty as the waste vehicles can't get down there. • Smaller wheeled bins are not practical as more bins and collections would be required, proving an expensive exercise. • Recycling bins were considered impractical following an exercise at Hunstanton. The bins were often filled with non-recyclables and any recycling in the bins was not clean. This could in turn invite bad press. • Agreed: MC to add to the regular waste press release encouraging visitors to take their recycling home. 	MC
7.	<p>Local flooding</p> <ul style="list-style-type: none"> • TP asked about the quality of the sea water following the storm water from the recent heavy rain. MC advised that it was 'too early to tell', although he did confirm that Heacham Treatment Works reported an overflow last week. • Two more readings are due to be taken. • MC advised that it was possible to sign up for alerts on flood notices etc and confirmed that digital signs publicly posted any changes as well. 	
8.	<p>Any other business</p> <ul style="list-style-type: none"> • Agreed: Off season site visit to be arranged for MC, SD and TP to review the Heacham Beaches area. • Agreed: Meetings for October, November, December and January to be cancelled and any updates to be circulated via email until arrangements for the new season begin. 	<p>HS</p> <p>HS</p>
9.	<p>Date of Next Meeting</p> <ul style="list-style-type: none"> • Thursday, 17th February 2022 – 4:15pm 	

Notes from Heacham Beaches Meeting
Held on Thursday, 23 August 2021 via Microsoft Teams

Attendees:-

Cllr Stuart Dark
 Cllr Terry Parish
 Lorraine Gore
 Martin Chisholm

David Ousby (for first item)
 Stuart Ashworth (for second item)
 Helen Scott (note taker)

Item		Action
1.	<p>Update on project plan for South Beach Toilets (D Ousby joined for this item)</p> <ul style="list-style-type: none"> • DO confirmed the results of the survey had been received and shared these with the group. • DO confirmed the need to remove the outside wash basins and shower as there would be too many issues around enlarging the tanks. • Roof is in good condition and relatively new. The structure of the building is very sound. • It was agreed in conclusion that the existing footprint would be used with water efficient systems installed with a remodel of the inside. • The plant room would be moved to the back additional space providing room for extra facilities. • Next phase to procure designers with quotes and revised structure. No planning permissions required. • Confirmed new toilet block would be ready in time for Easter 2022. • AGREED ACTION: Liaise with the Comms team to produce signage on-site with statement of intent advising residents and tourists of the agreed way forward. • AGREED ACTION: Consider alternatives to outside shower for foot washing. • AGREED ACTION: Update the parish council. 	<p style="text-align: center;">DO</p> <p style="text-align: center;">DO/MC</p> <p style="text-align: center;">TP/SD</p>
2.	<p>Update on outstanding matters (S Ashworth joined for this item)</p> <ul style="list-style-type: none"> • <u>Monen Caravan</u> – Legal advice received from barrister advising of the way forward. Further meeting to be held on 27th August. Suggestions were discussed on which legislation to use to be able to enable removal of the caravan. AGREED ACTION: A number of questions to be raised at 27th August meeting with barrister. • <u>Illegal Campsite</u> – SA has advised the parish council of the current actions. Advice to be sought from Legal after the bank holiday. • <u>Illegal Food Outlet</u> – Enforcement notice had now been served. 	<p style="text-align: center;">SA</p>
3.	<p>Apologies</p> <ul style="list-style-type: none"> • None recorded. 	
3.	<p>Notes of meeting of 15th July 2021</p>	

	Agreed as an accurate record.	
4.	<p>Bathing Water Quality - Update</p> <ul style="list-style-type: none"> MC shared the latest reports confirming that Heacham was 'just sufficient' and that he expected a failed reading at some point this year. EA and Anglian Water have suggested the issue lies with the shallowness of the water and the possible wash-off from agricultural land or sea birds. In any event, the readings are random and are not related to tourism. TP raised the coli numbers. Confirmed that there was no rationale for it. Anglian Water confirmed there was no overflow or discharge from their works. AGREED ACTION: Raise at next MP briefing with James Wild. AGREED ACTION: Invite EA representative to join a meeting of the group to ascertain any further information. AGREED ACTION: Contact the UEA for any interest in undertaking extra projects for students, i.e. detailed analysis of findings. 	<p>HS</p> <p>MC</p> <p>HS</p>
6.	<p>Any other business</p> <ul style="list-style-type: none"> <u>Benches on Environment Agency-owned land</u> AGREED ACTION: Raise at next MP briefing with James Wild regarding the policies and processes of the EA. MC to following up with SD. <u>North & South Beach Car Parking</u> MC confirmed that figures were up marginally on last year although figures for August were slow to date. May and June provided better figures. 	<p>HS</p> <p>MC</p>
9.	<p>Date of Next Meeting</p> <ul style="list-style-type: none"> Friday, 17th September 2021, 11:00 am (rescheduled due to clash) 	



Heacham Beaches

Notes for meeting of 15th July 2021

South Beach toilets – progress to date

- Survey solutions procured to undertake surveys of existing at a cost of £2,800. The package of work will result in a co-ordinated set of drawings giving sufficient detail of the existing structure and services so that a design brief can be procured. Timing and duration of the surveys has been arranged to minimise disruption to service users.
 - Building and topographical surveys taking place Weds 14th July
 - Utilities and CCTV drainage surveys taking place Weds 21st July

The Design Brief will include 2 options:

- Refurbish existing building reusing existing services
- Demolish and replace building reusing existing services

The design brief will depend on the outcome of the surveys, especially the Utilities and CCTV drainage survey. A key issue will be the capacity of the existing drainage.

In terms of operational matters, we have attended to some of the minor maintenance items such as the replacement of fittings and some lighting as well as deep cleaning the whole area.

Caravan

- Stuart is in touch with the owner of the land where the caravan is now sited. The owner has received a note in writing from the BC which he has shown to the owner of the caravan, who has stated that he is waiting for the caravan to be repaired so it can be moved from the third party land. If it is moved back on site, Stuart will enact the notice and direct action.

Food Outlet at South Beach

- Stuart has spoken to Cllr Parish regarding this outlet. Stuart believes it hasn't been operating but a notice has been drafted to go out.

Illegal Campsite at South Beach

- A notice has been served under Health & Safety legislation following a visit from the HSE. The owner has submitted another planning application which has been sent back under S 700C, that is the BC are refusing to determine it due to the previous enforcement notice. The only recourse is to judicially review that decision. The prosecution file is still with Eastlaw. This same owner has also received injunctions along the coast preventing camping on two other sites.

Bushell & Strike

- Stuart has been speaking to the owner and is told that it has been taken off the website advertising this for the time being. Seems it is not being used at the moment, but it is understood they may be seeking to apply for an exemption for a 5 site to allow it to be used in future.

Former Kingdom Hall

- Stuart is dealing with multiple complaints about the grant of planning permission and listed building consent again (it has been approved twice already in the past) to convert the building to residential. Stuart hopes to respond before his leave next week.

Sea Water Quality

- Martin has circulated recent stats. Details now received for the contact at the EA. Will liaise with Sharon to arrange an article in the Heacham Newsletter.

**Notes from Heacham Beaches Meeting
Held on Tuesday, 8th June 2021 via Microsoft Teams**

Attendees:-

Cllr Stuart Dark
Cllr Terry Parish
Lorraine Gore
Martin Chisholm

David Ousby (for first item)
Helen Scott (note taker)

Item		Action
1.	<p>Update on South Beach Toilets (D Ousby joined for this item)</p> <ul style="list-style-type: none"> • DO talked through the four stages of project delivery and advised the meeting that delivery was not possible before the beginning of the summer season. Reasons for this were: <ul style="list-style-type: none"> ○ The timeline was critical with a project such as this; design and cost feasibility studies would take three months. ○ A thorough investigation of the drainage system and tank was required. ○ A modular block would not have the expected longevity in a coastal location. ○ The outer walls of the building were sound and, with an inside refurbishment, would provide a much longer life, all the facilities required within the space, and could work out cheaper. • The suggested options to mitigate the 2021 season were: <ul style="list-style-type: none"> ○ Quick fix – flatten the existing site and put in temporary event-style units. ○ Deep clean and replace a few items within the existing block prior to the summer season and add extra, temporary facilities. • Disappointment from Cllrs Dark and Parish were recorded as the toilet block had been on the agenda for replacement/ refurbishment for the past 1-2 years and agreement on the current plan had been received with a schedule of funding from the parish council and Ken Hill Estates. • SD emphasised that the cost side of the project was secondary to showing the public that the borough council were pro-active in updating the block. It was now imperative that a strict timeline was put in place in order for the new facility to be open and ready for use before Easter 2022. • A suggestion was put forward to utilise some of the money from the extra tourism expected for the season to put towards the new plan. • ACTION: TP to explain the situation to the parish council from the perspective of a parish councillor. • ACTION: SD to explain the situation to the parish council from the perspective of a borough councillor. • ACTION: DO to supply a clear project plan of all options available ready for the next meeting 15th July 2021 which would also be shared with the parish council. <p>DO left the meeting.</p>	<p>T Parish S Dark D Ousby</p>

2.	<p>Apologies</p> <p>No apologies were recorded.</p>	
3.	<p>Notes of meeting of 29th April 2021</p>	
4.	<p>Benches on Environment Agency-owned Land</p> <ul style="list-style-type: none"> • A quote had been received for concrete block seating equating to around £2,000 per bench. • No delivery date on manufacture available due to a shortage of concrete – a national problem because of HS2. • Donations from the public would be required as there was no budget set aside from the borough council available. • Officers were confident that approval would be received from the Environment Agency as the units were portable. • Consent from the EA was the priority. • ACTION: MC to obtain consent from the EA for three benches (totalling approximately £7,000). The borough council to fund one unit and the other two to be funded through public donations. A response of ten working days would be given to the EA for their consent. 	<p>M Chisholm</p>
5.	<p>Illegal Food Outlet at South Beach</p> <ul style="list-style-type: none"> • Confirmed that this food outlet is not illegal but does require planning permission. Requested updated from S Ashworth. 	
6.	<p>Illegal Campsite at South Beach – Update</p> <ul style="list-style-type: none"> • S Ashworth confirmed that this was still with Legal Department. 	
7.	<p>Sea Water Quality (following recent bad press)</p> <ul style="list-style-type: none"> • TP laid out his concerns on behalf of the parish council and residents of Heacham. • MC explained that: <ul style="list-style-type: none"> ○ The process adopted by government which follows a different analytical process to the one reported in the press. It was expected that a further three years would pass before Heacham's bathing water quality was labelled 'good'. The borough council are unable to do anything about this except keep a check on its infrastructure and promote good practice. ○ Bathing water samples were based on a four-year check and the press reported data from 2019. ○ A recent study conducted by a university in Essex found that bird and bovine waste was a key indicator in the quality of the bathing water in west Norfolk. ○ The Wash at Heacham was very shallow and this, together with the weather, was proven to be a factor in the poor quality. ○ It was important to note that North Beach is classified as a bathing beach (where the testing takes place) and not South Beach. • ACTION: MC to send link Heacham data from the E&C minutes from 2019 meeting. 	<p>M Chisholm</p>

	<ul style="list-style-type: none"> ACTION: HS to email D Robson/P Jermany to ascertain who the regulatory body is and advise Sharon to draft a column for the Heacham Newsletter. 	HS
8.	<p>Any Other Business</p> <ul style="list-style-type: none"> SD advised of his recent conversation with Ken Hill Estates regarding their resident parking permit and that a similar permit is being set up for Heacham residents. Both Snettisham and Heacham residents will have access to all beaches at a cost of £40 per season. TP confirmed that Heacham PC had agreed to purchase a replacement defibrillator. 	
9.	<p>Date of Next Meeting</p> <ul style="list-style-type: none"> Thursday, 15th July 2021 	

	11) <i>University Study</i> : AW has a graduate undertaking a desk top.	
3.	<u>Discussions around 2018 season water quality results and actions prior to 2019 season</u> <ul style="list-style-type: none"> • No change anticipated in status, remains within the sufficient rating. • Shellfish categories to be checked. • Heacham start looking to 'back up the system' due to correlation between poor Heacham and Hunstanton results. • Consider adding two additional sample points (one each side of River Heacham). 	?? ??
4.	<u>Hunstanton Southern Seafront Masterplan</u> Dave gave a general update	
5.	<u>Any other business</u> Agreed to meet again in March and October 2019.	

**Joint Bathing Water Quality Meeting
Environment Agency/Anglian Water/BCKLWN
Held on 8 February 2018 at Borough Council of King's Lynn & West Norfolk**

Present:-

EA: Kevin Rutterford, Area Environment Manager
Bob Munro, Team Leader
John Daniels, Area Water Quality Lead
Miriam Joy, Environment Officer

AW: Adam Worley, Coastal Catchment Manager
Jenny Cooper, Coastal Water Protection Manager

BCKLWN: Ray Harding, Chief Executive
Chris Bamfield, Executive Director – Commercial Services
Martin Chisholm, Business Manager – Commercial Services

	Action Points	Action
1.	EA carrying out DNA sampling this year to establish if bird/human/ruminant issue for the 20 samples.	EA
2.	Carry out sampling at an additional point closer to the swimming/water park area. KLWN to confirm location and fund.	KLWN /EA
3.	Birds <ul style="list-style-type: none"> • Look at options for removing birds from the Oasis roof. • Birdfree.com website – yellow smelly discs – check cost. 	KLWN
4.	Oasis – Arrange for testing of the water from the Oasis roof during rainfall with KLWN's Environmental Health.	KLWN
5.	How often is the Oasis roof cleaned? Clean at the start of the season.	KLWN
6.	Consider alternative sites for donkey rides/better clean-up.	KLWN
7.	Possible additional rainfall metre for Hunstanton and review current data.	AW
8.	Letter to Seafront Traders asking for their help/support.	AW
9.	Review arrangements at Sea Life Centre	AW
10.	Check County Council Highways' gully cleaning arrangements	KLWN
11.	Possible study for University started re bathing water quality.	KLWN
12.	Arrange another meeting of the group for October.	KLWN
13.	Liaise via email/teleconferencing as required during the season.	All