

Our ref: CCN/2020/173057

Rose Cargill

Rose.cargill@eastp.co.uk Date: 09/06/2020

Dear Rose,

Provision of Flood Risk Information for Saddlebeck Road, Skidbrooke.

Thank you for your request to use our flood risk information in the development of the Flood Risk Assessment (FRA) for the above site. The information is set out below and attached. It is important you read any contextual notes on the maps provided.

We aim to review our information on a regular basis, so if you are using this data more than twelve months from the date of this letter, please contact us again to check it is still valid.

Flood Map

The attached map includes the current Flood Map for your area. The Flood Map indicates the area at risk of flooding, assuming no flood defences exist, for a flood with a 0.5% chance of occurring in any year for flooding from the sea, or a 1% chance of occurring for fluvial (river) flooding. It also shows the extent of the Extreme Flood Outline which represents the extent of a flood with a 0.1% chance of occurring in any year, or the highest recorded historic extent if greater.

In some locations, such as around the fens and the large coastal floodplains, showing the area at risk of flooding assuming no defences may give a slightly misleading picture in that if there were no flood defences, water would spread out across these large floodplains. This flooding could cover large areas of land but to relatively shallow depths and could leave pockets of locally slightly higher land as isolated dry islands. It is important to understand the actual risk of the flooding to these dry islands, particularly in the event of defence failure.

The Flood Map also shows the location of formal raised flood defences and flood storage reservoirs. It represents areas at risk of flooding for present day only and does not take account of climate change.

The Flood Map only indicates the extent and likelihood of flooding from rivers or the sea. It should also be remembered flooding may occur from other sources such as surface water sewers, road drainage, etc.

History of Flooding

With regards to the history of flooding I can advise we do not have any records of flooding in this area. It is possible recent flooding may have occurred which we are currently investigating, therefore this information may be subject to change. It is possible other flooding may have occurred which other organisations, such as the Lead Local Flood Authority (ie top tier council), Local Authority or Internal Drainage Board (where they exist), may have records.



Fluvial Flood Risk Information

Fluvial Defence Information South Dyke

The fluvial defences reducing the risk of flooding to this site consist of earth embankments. They are in good condition and reduce the risk of flooding (at the defence) to a 1% (1 in 100) chance of occurring in any year. We inspect these defences routinely to ensure potential defects are identified.

Grayfleet Drain

The fluvial defences reducing the risk of flooding to this site consist of earth embankments. They are in fair condition and reduce the risk of flooding (at the defence) to a 50% (1 in 2) chance of occurring in any year. We inspect these defences routinely to ensure potential defects are identified.

Modelled Levels and Flows

Available modelled fluvial flood levels and flows for the model nodes shown on the attached map are set out in the data table attached. This data is taken from the model named on the data table, which is the most up-to-date model currently available.

Please note these levels are "in-channel" levels and therefore may not represent the flood level on the floodplain, particularly where the channel is embanked or has raised defences.

Our models may not have the most up to date climate change allowances. In time we will update our models for the latest allowances. You should refer to <u>'Flood risk assessments: climate change allowances'</u> to check if the allowances modelled are appropriate for the type of development you are proposing and its location. You may need to undertake further assessment of future flood risk using different allowances to ensure your assessment of future flood risk is based on best available evidence.

Modelled Flood Extents

Please find attached a map showing available modelled flood extents, taking into account flood defences, for your area. This data is taken from the model named on the map, which is the most up-to-date model currently available.

Tidal Flood Risk Information

Tidal Defence Information

The tidal defences protecting this site consist of natural sand dune which are supplemented by beach nourishment to maintain foreshore levels.

They are in fair condition and reduce the risk of flooding (at the defence) to a 0.5% (1 in 200) chance of occurring in any year. We inspect these defences routinely to ensure potential defects are identified.

Tidal Flood Levels

The attached table shows our current best estimate for extreme tide levels.

Levels for the Humber Estuary have an assessment date of 2014, with others having an assessment date of 2017, which should be used in any consideration of future increases due to climate change.



Modelled Hazard Mapping

For certain locations we have carried out modelling to map the maximum values of flood depth, velocity and hazard rating (danger to people) resulting from overtopping and / or breaching of defences at specific locations for a number of scenarios.

At present this information is available along the full coastal / tidal floodplain, except the tidal Witham Haven in Boston (upstream of Hobhole) where only breaching and not overtopping has been modelled and the tidal River Welland upstream of Fosdyke Bridge where neither breaching nor overtopping are available. Hazard mapping is also available for fluvial flood risk in Northampton, Lincoln, Wainfleet and some isolated rural locations.

The number of locations we have this information for is expected to increase in time.

Hazard Mapping - Breaching

The attached maps show the maximum values of flood depth, velocity and hazard rating (danger to people) resulting from breaching of the defences at specific locations for the scenarios below. For some locations the breach mapping also includes flooding from overtopping if this is expected in that scenario. The location of modelled tidal breaches is shown on a separate attached map.

Year 2006 0.1% (1 in 1000) chance
 Year 2115 0.5% (1 in 200) chance
 Year 2115 0.1% (1 in 1000) chance

Hazard Mapping - Overtopping

The attached maps show the maximum values of flood depth, velocity and hazard rating (danger to people) resulting from simulated overtopping of defences for the following scenarios:

Year 2115 0.5% (1 in 200) chance
 Year 2115 0.1% (1 in 1000) chance

Your site is not affected by overtopping of the defences for the present day (2006) scenarios.

Development Planning

If you would like local guidance on preparing a flood risk assessment for a planning application, please contact our Sustainable Places team at lnplanning@environment-agency.gov.uk. It will help if you mention this data request and attach your site location plan.

We provide free preliminary advice; additional/detailed advice, review of draft FRAs and meetings are chargeable at a rate set to cover our costs, currently £100 (plus VAT) per hour of staff time. Further details are available on our website at https://www.gov.uk/guidance/developers-get-environmental-advice-on-your-planning-proposals.

General advice on flood risk assessment for planning applications can be found on GOV.UK at https://www.gov.uk/guidance/flood-risk-assessment-for-planning-applications

Climate change will increase flood risk due to overtopping of defences. Please note the climate change data included has an allowance for 20% increase in flow. Updated guidance on how climate change could affect flood risk to new development - 'Flood risk assessments: climate



change allowances' was published on GOV.UK in February 2016. The appropriate updated climate change allowance should be applied in a Flood Risk Assessment.

You should also consult the Strategic Flood Risk Assessment produced by your local planning authority.

Data Licence and Other Supporting Information

We respond to requests for recorded information we hold under the Freedom of Information Act 2000 (FOIA) and the associated Environmental Information Regulations 2004 (EIR).

This information is provided in accordance with the Open Government Licence which can be found here: http://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/

Further information on flood risk can be found on the GOV.UK website at: https://www.gov.uk/browse/environment-countryside/flooding-extreme-weather

Other Flood Risk Management Authorities

The information provided with this letter relates to flood risk from main river or the sea. Additional information may be available from your Lead Local Flood Authority (ie county council or unitary authority) or, where they exist, the Internal Drainage Board.

Further Contact

I hope we have correctly interpreted your request. If you are not satisfied with our response to your request for information, you can contact us within two calendar months to ask for our decision to be reviewed.

If you have any queries or would like to discuss the content of this letter further please contact Levi Worsfold using the details below.

Yours sincerely,

p.p.



Claire Rose

Partnerships and Strategic Overview Team Leader - South Humber and East Coast

Direct dial 02084749291

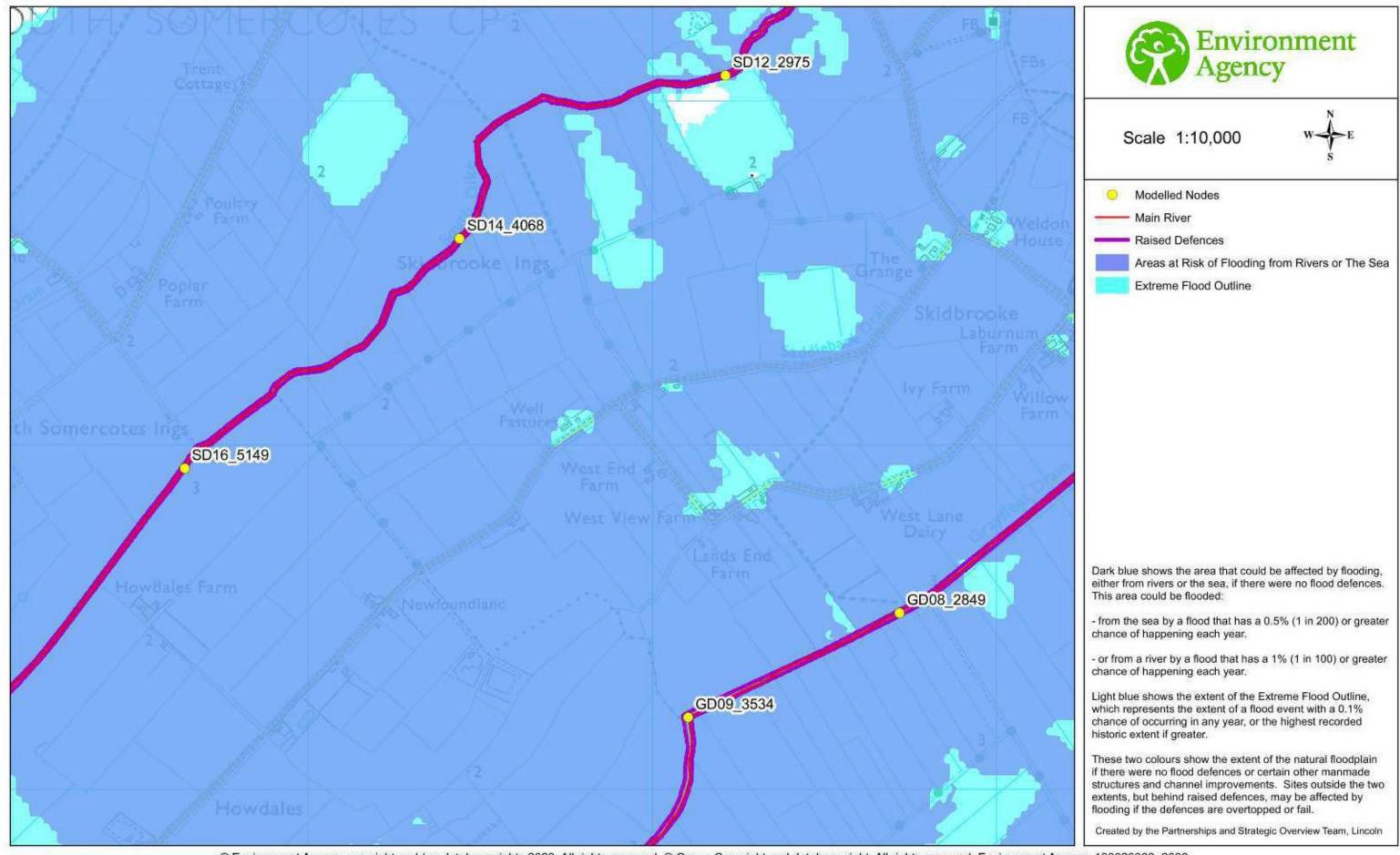
Direct e-mail PSO Coastal@environment-agency.gov.uk

Enc.

Flood Map Including Modelled Nodes Modelled Fluvial Levels and Flows Data Sheet Modelled Flood Extent Maps Tidal Levels Map and Tables Tidal Breach Points – Locations Map Hazard Mapping – Breaching (3 maps) Hazard Mapping – Overtopping (2 maps)



Flood Map centred on TF 42776 92054 - created June 2020 [Ref: CCN-2020-173057]





Datasheet [Ref: CCN-2020-173057] Model Name: Saltfleet and Great Eau Model Date: 2017

Fluvial Flood Levels (mODN)

The fluvial flood levels for the model nodes shown on the attached map are set out in the table below. They are measured in metres above Ordnance Datum Newlyn (mODN).

				Annual Exceedance Probability - Maximum Water Levels (mODN)													
Node Label	Easting	Northing	50% (1 in 2)	20% (1 in 5)	10% (1 in 10)	5% (1 in 20)	4% (1 in 25)	3.33% (1 in 30)	2% (1 in 50)	1.33% (1 in 75)	1% (1 in 100)	1% (1 in 100) inc 20% Climate Change	1% (1 in 100) inc 25% Climate Change	1% (1 in 100) inc 35% Climate Change	1% (1 in 100) inc 65% Climate Change		
GD09_3534	543104	391208	2.64	2.89	2.92	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94		
GD08 2849	543719	391510	2.61	2.87	2.91	2.92	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93		
SD16_5149	541642	391931	2.47	2.72	2.83	2.86	2.86	2.86	2.87	2.87	2.87	2.87	2.87	2.87	2.88		
SD14_4068	542440	392599	2.46	2.70	2.82	2.84	2.84	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85		
SD12_2975	543213	393074	2.45	2.69	2.81	2.84	2.85	2.84	2.85	2.85	2.85	2.85	2.85	2.85	2.85		

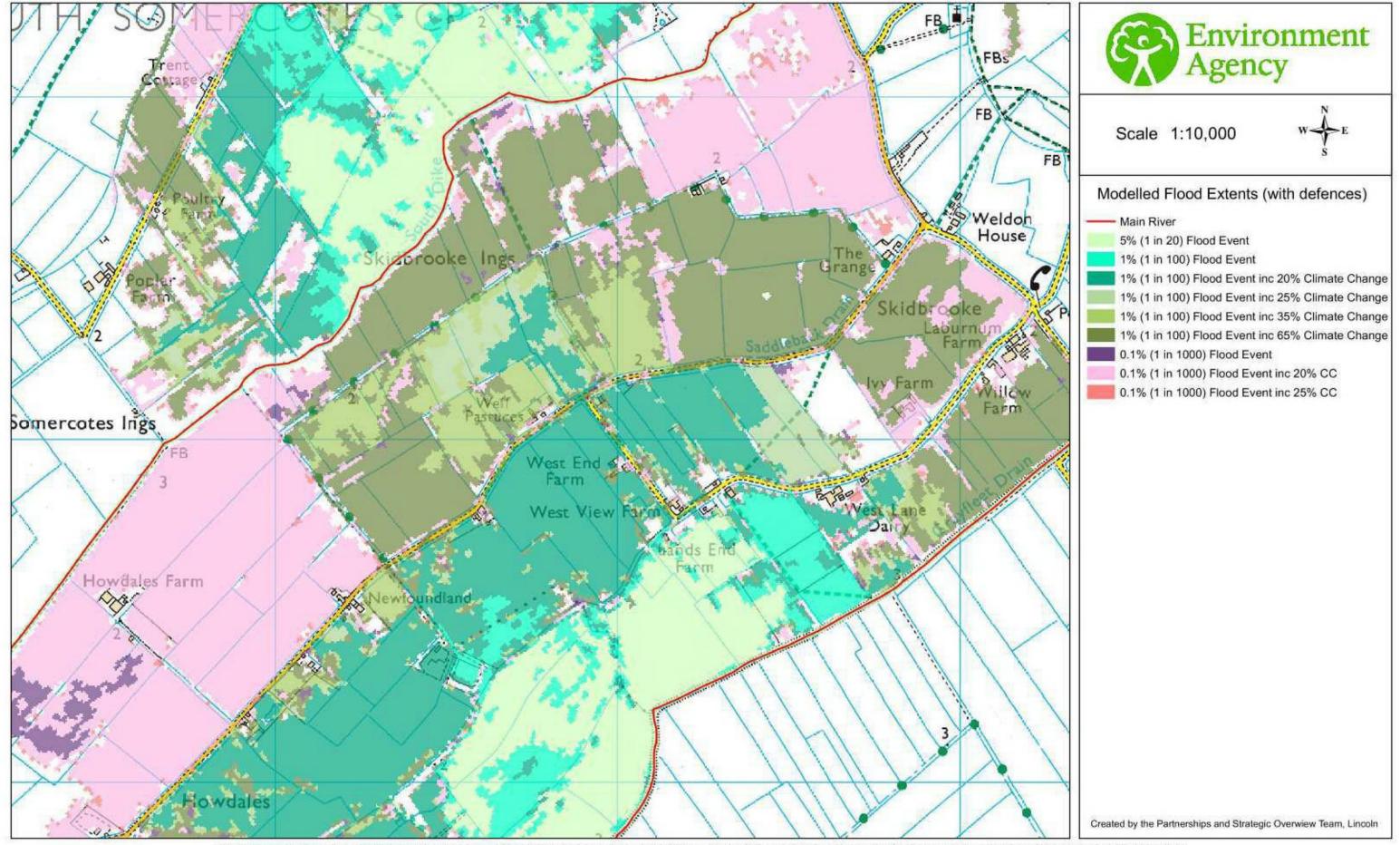
Node Label			Annual Exceedance Probability - Maximum Water Levels (mODN)													
Node Label	Easting	Northing	0.5% (1 in 200)	0.5% (1 in 200) inc 20% Climate Change	0.5% (1 in 200) inc 25% Climate Change	0.5% (1 in 200) inc 35% Climate Change	0.5% (1 in 200) inc 65% Climate Change	0.1% (1 in 1000)	0.1% (1 in 1000) inc 20% Climate Change	0.1% (1 in 1000) inc 25% Climate Change						
GD09 3534	543104	391208	2.94	2.94	2.94	2.94	2.94	2.94	2.94	2.94						
GD08_2849	543719	391510	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93						
SD16_5149	541642	391931	2.87	2.88	2.88	2.88	2.88	2.88	2.88	2.88						
SD14_4068	542440	392599	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85						
SD12 2975	543213	393074	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85						

Fluvial Flood Flows (m³/s)
The fluvial flood flows for the model nodes shown on the attached map are set out in the table below. They are measured in metres cubed per second (m³/s).

				Annual Exceedance Probability - Maximum Flows (m³/s)														
Node Label	Easting	Northing	50% (1 in 2)	20% (1 in 5)	10% (1 in 10)	5% (1 in 20)	4% (1 in 25)	3.33% (1 in 30)	2% (1 in 50)	1.33% (1 in 75)	1% (1 in 100)	1% (1 in 100) inc 20% Climate Change	1% (1 in 100) inc 25% Climate Change	1% (1 in 100) inc 35% Climate Change	1% (1 in 100) inc 65% Climate Change			
GD09_3534	543104	391208	3.85	5.02	5.83	5.98	5.99	5.99	6.02	6.04	6.05	6.04	6.03	6.01	5.91			
GD08 2849	543719	391510	3.88	4.93	5.63	5.75	5.74	5.74	5.76	5.76	5.77	5.74	5.73	5.69	5.44			
SD16 5149	541642	391931	2.32	2.95	3.42	3.73	3.80	3.85	4.21	4.59	4.70	4.89	4.90	4.91	4.85			
SD14 4068	542440	392599	2.54	3.19	3.67	3.94	3.99	4.03	4.13	4.41	4.51	4.67	4.68	4.70	4.75			
SD12 2975	543213	393074	2.76	3.45	3.94	4.17	4.21	4.23	4.29	4.33	4.36	4.58	4.61	4.65	4.72			

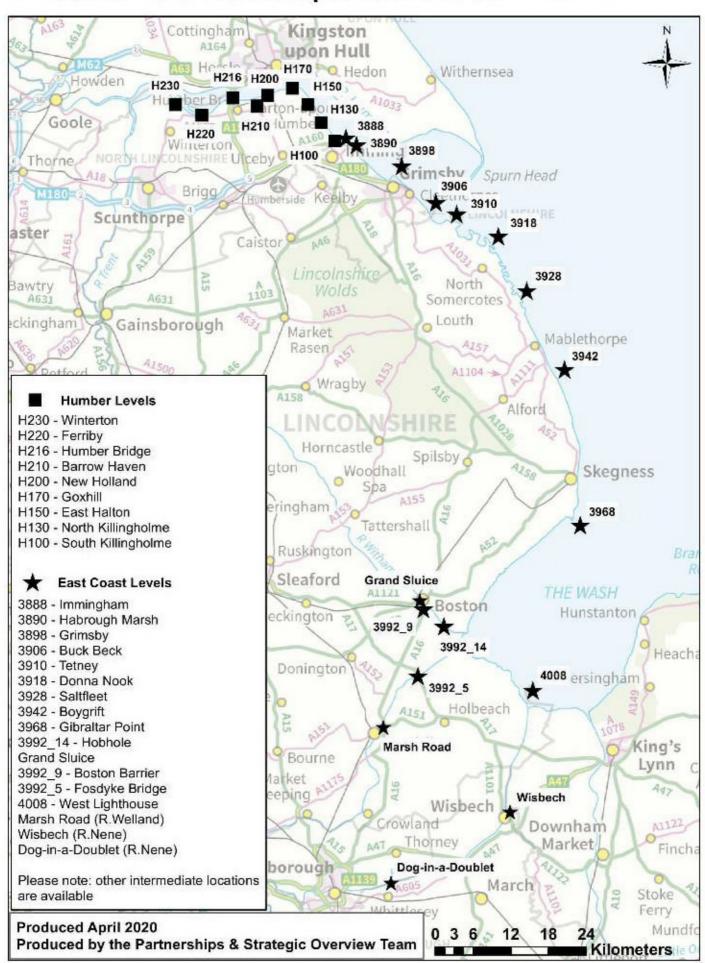
100 and an a 111 and 121	AN V		Annual Exceedance Probability - Maximum Flows (m³/s)													
Node Label	Easting	Northing	0.5% (1 in 200)	0.5% (1 in 200) inc 20% Climate Change	0.5% (1 in 200) inc 25% Climate Change	0.5% (1 in 200) inc 35% Climate Change	0.5% (1 in 200) inc 65% Climate Change	0.1% (1 in 1000)	0.1% (1 in 1000) inc 20% Climate Change	0.1% (1 in 1000) inc 25% Climate Change						
GD09 3534	543104	391208	6.05	6.04	6.03	6.00	5.83	6.04	5.91	5.88						
GD08 2849	543719	391510	5.77	5.75	5.73	5.67	5.23	5.74	5.41	5.32						
SD16 5149	541642	391931	4.87	4.97	4.97	4.96	4.77	5.07	4.92	4.88						
SD14 4068	542440	392599	4.60	4.73	4.74	4.76	4.73	4.74	4.83	4.83						
SD12 2975	543213	393074	4.51	4.67	4.69	4.72	4.71	4.69	4.80	4.81						

Modelled Flood Extents (with defences) Saltfleet and Great Eau Model 2017 Map centred on TF 42776 92054 - created June 2020 [Ref: CCN-2020-173057]



Tidal Level Location Map Lincolnshire & Northamptonshire Area





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Humber Estuary



2014 Interim Water Level Profile

	LOCATION											Annual			ANNUAL CHANCE (1 IN X) OF TIDE LEVEL METRES ODN														
D			*************		1			10		50			100			200			300			1000							
REF		EASTING	NORTHING	Confidence Bound			Confidence Bound			Confidence Bound			Confidence Bound			Confidence Bound			Confidence Bound			Confidence Bound							
				5%	50%	95%	5%	50%	95%	5%	50%	95%	5%	50%	95%	5%	50%	95%	5%	50%	95%	5%	50%	95%					
H230	Winterton	493420	422830	5.13	5.14	5.15	5.47	5.51	5.56	5.67	5.74	5.82	5.74	5.83	5.92	5.81	5.90	6.00	5.84	5.94	6.03	5.94	6.02	6.06					
H220	Ferriby	497550	421150	5.03	5.04	5.05	5.38	5.42	5.47	5.59	5.67	5.77	5.67	5.77	5.89	5.74	5.86	6.00	5.78	5.91	6.06	5.91	6.04	6.19					
H216	Humber Bridge	502478	423914	4.97	4.98	4.99	5.33	5.37	5.42	5.55	5.64	5.74	5.64	5.75	5.88	5.72	5.86	6.02	5.75	5.92	6.10	5.88	6.09	6.31					
H210	Barrow Haven	506380	422620	4.91	4.92	4.93	5.27	5.31	5.36	5.50	5.60	5.72	5.60	5.73	5.89	5.69	5.86	6.08	5.74	5.94	6.18	5.87	6.17	6.51					
H200	New Holland	508020	424330	4.86	4.87	4.88	5.21	5.26	5.31	5.45	5.55	5.67	5.55	5.68	5.84	5.64	5.81	6.03	5.68	5.89	6.13	5.82	6.12	6.47					
H170	Goxhill	511970	425440	4.66	4.67	4.68	5.00	5.04	5.09	5.24	5.34	5.46	5.33	5.47	5.65	5.43	5.61	5.85	5.47	5.69	5.96	5.62	5.95	6.37					
H150	East Halton	514450	422870	4.58	4.59	4.60	4.91	4.96	5.01	5.15	5.25	5.38	5.25	5.39	5.57	5.34	5.53	5.77	5.39	5.62	5.90	5.54	5.89	6.33					
H130	North Killingholme	516530	420000	4.50	4.51	4.52	4.82	4.87	4.92	5.05	5.15	5.28	5.15	5.28	5.46	5.24	5.42	5.66	5.29	5.51	5.78	5.43	5.77	6.19					
H100	South Killingholme	518700	417120	4.41	4.41	4.42	4.72	4.77	4.82	4.95	5.05	5.17	5.05	5.18	5.35	5.14	5.32	5.55	5.18	5.40	5.67	5.33	5.66	6.08					
3888	Immingham*	520440	417625	4.16	4.17	4.19	4.50	4.53	4.62	4.73	4.80	5.00	4.83	4.93	5.19	4.93	5.06	5.41	4.98	5.14	5.55	5.15	5.38	6.01					

Email: enquiries@environment-agency.gov.uk

www.gov.uk/environment-agency

NOTE:

- > The base date for the data is 2014.
- > The levels are still water levels. Depending on the use of the data it may be necessary to consider wave heights and / or joint probability analysis of water level and other variables.
- Levels for other annual chance probabilities are available if required.
- > The information is due to be updated in mid-2020
- > *The levels for Immingham are taken from the 2018 Coastal Flood Boundary dataset.

East Coast and Wash: Immingham to the West Lighthouse

Environment Agency

2018 Coastal Flood Boundary Extreme Sea Levels

	LOCATION										ANNUAL	CHANCE	(1 IN X)	OF TIDE	LEVEL IN	METRES (DDN							
CFB		EASTING	Northing		1			10		50			100				200			300		1000		
REF				Confidence Bound			Confidence Bound			Confidence Bound			Confidence Bound			Confidence Bound			Confidence Bound			Confidence Bound		
				2.5%	50%	97.5%	2.5%	50%	97.5%	2.5%	50%	97.5%	2.5%	50%	97.5%	2.5%	50%	97.5%	2.5%	50%	97.5%	2.5%	50%	97.5%
3888	Immingham	520440	417625	4.16	4.17	4.19	4.50	4.53	4.62	4.73	4.80	5.00	4.83	4.93	5.19	4.93	5.06	5.41	4.98	5.14	5.55	5.15	5.38	6.01
3890	Haborough Marsh	522100	416512	4.14	4.15	4.17	4.48	4.51	4.60	4.70	4.77	4.97	4.80	4.90	5.16	4.90	5.03	5.38	4.94	5.10	5.51	5.11	5.34	5.97
3898	Grimsby	529295	413162	3.98	3.99	4.01	4.31	4.34	4.43	4.53	4.60	4.80	4.61	4.71	4.97	4.71	4.84	5.19	4.74	4.90	5.31	4.88	5.11	5.74
3906	Buck Beck	534709	407369	3.87	3.88	3.90	4.19	4.23	4.31	4.41	4.50	4.68	4.50	4.61	4.86	4.61	4.75	5.10	4.64	4.82	5.22	4.80	5.05	5.66
3910	Tetney	538035	405537	3.85	3.86	3.89	4.17	4.22	4.30	4.40	4.50	4.67	4.49	4.61	4.86	4.60	4.75	5.10	4.63	4.82	5.21	4.80	5.06	5.66
3918	Donna Nook	544641	401997	3.82	3.83	3.86	4.14	4.19	4.27	4.38	4.48	4.65	4.47	4.60	4.85	4.58	4.74	5.10	4.63	4.82	5.22	4.81	5.08	5.68
3928	Saltfleet	549131	393360	3.78	3.79	3.82	4.11	4.16	4.26	4.36	4.46	4.64	4.47	4.59	4.86	4.57	4.74	5.11	4.63	4.83	5.25	4.83	5.11	5.74
3942	Boygrift	555131	380860	3.72	3.74	3.77	4.06	4.11	4.22	4.33	4.43	4.65	4.43	4.57	4.87	4.56	4.73	5.13	4.62	4.83	5.28	4.85	5.15	5.82
3968	Gibraltar Point	557652	356181	4.16	4.17	4.20	4.51	4.56	4.67	4.76	4.85	5.08	4.85	4.97	5.27	4.94	5.10	5.49	4.99	5.18	5.63	5.14	5.41	6.09
3992_14	Hobhole	535990	340116	4.96	4.97	5.01	5.40	5.44	5.56	5.66	5.76	5.98	5.78	5.90	6.20	5.88	6.04	6.44	5.92	6.11	6.57	6.03	6.31	6.99
	Grand Sluice*	532366	344510	4.93	4.94	4.98	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
3992_9	Boston Barrier	532754	342852	4.93	4.94	4.98	5.41	5.45	5.57	5.73	5.83	6.05	5.85	5.97	6.27	5.93	6.09	6.49	5.94	6.13	6.59	5.98	6.26	6.94
3992_5	Fosdyke Bridge	531886	332234	4.87	4.88	4.92	5.31	5.35	5.47	5.58	5.68	5.90	5.71	5.83	6.13	5.82	5.98	6.38	5.87	6.06	6.52	6.01	6.29	6.97
4008	West Lighthouse	550094	329971	4.87	4.88	4.91	5.21	5.26	5.37	5.46	5.56	5.78	5.56	5.68	5.98	5.66	5.82	6.21	5.71	5.90	6.35	5.86	6.14	6.81
1-0	Marsh Road	525988	324065	*	5.04	-	×	5.44	-	(-)	5.73	+:	-	5.85	-	-	5.98	(-)	-	-	-		-	-
(#3)	Wisbech	546110	309940	**:	4.83	*	(C#)	5.25	*	; * :	5.53	-		5.66		-	5.78	14.	+	-	(+):	1.00	· +:	*
	Dog-in-a- Doublet	527200	299287		3.67	-	ie:	4.00	-		4.22		-	4.32	(i+)	-	4.42			-	-	0 - 0		

See next page for notes

East Coast and Wash: Immingham to the West Lighthouse

Environment Agency

2018 Coastal Flood Boundary Extreme Sea Levels

NOTES:

The following notes apply to all CFB sites (ie all on table excluding Marsh Road, Wisbech, Dog-in-a-Doublet)

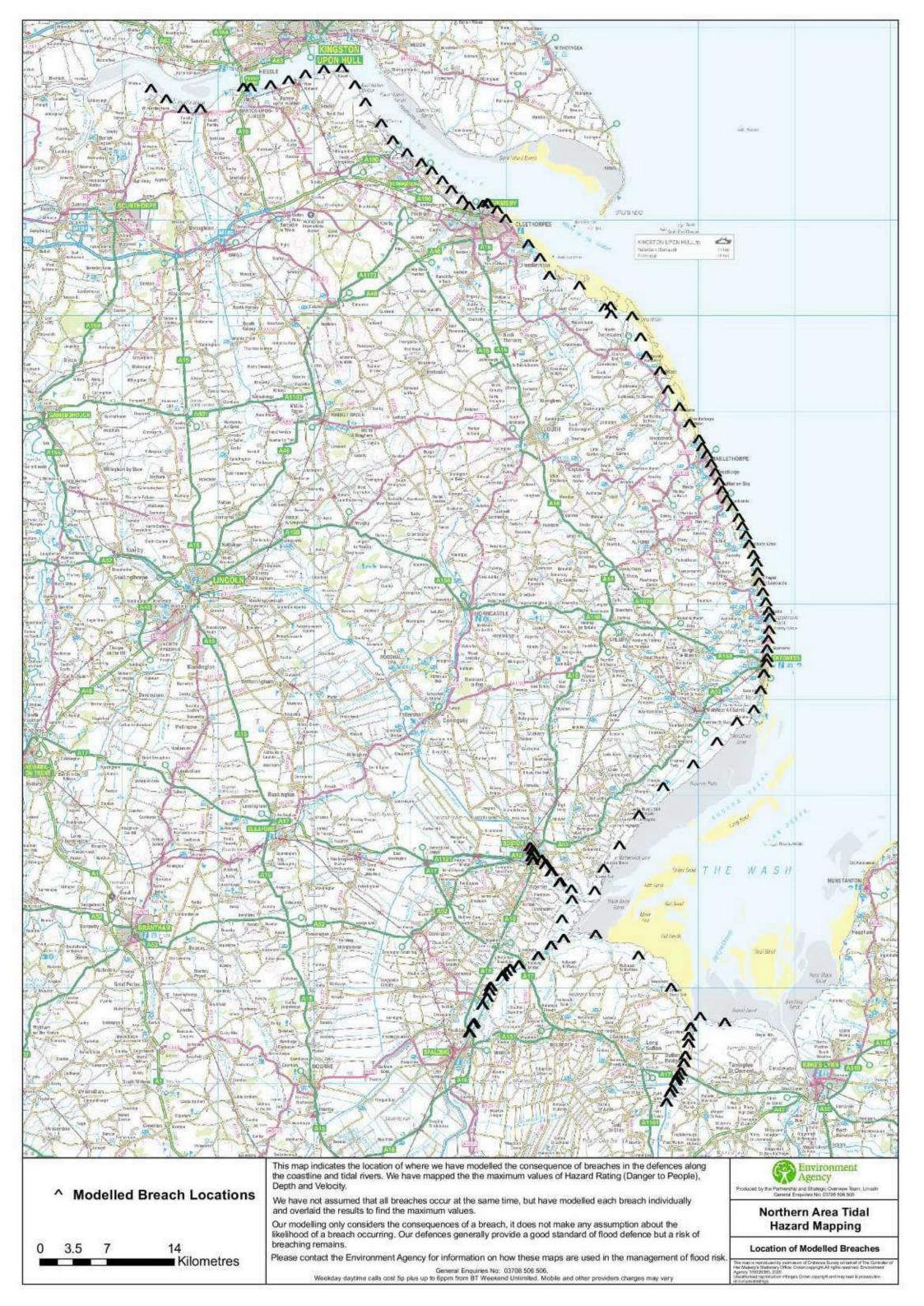
- > The base date for the data is 2017.
- > The levels are still water levels. Depending on the use of the data it may be necessary to consider wave heights and / or joint probability analysis of water level and other variables.
- Levels for other annual chance probabilities are available if required.
- For additional information relating to the 2018 Coastal Flood Boundary Extreme Sea Levels or to access the full dataset for the above sites or intermediate locations refer to the Defra Metadata Catalogue at https://deframetadata.com/geonetwork/srv/eng/catalog.search#/metadata/84a5c7c0-d465-11e4-b0bd-f0def148f590

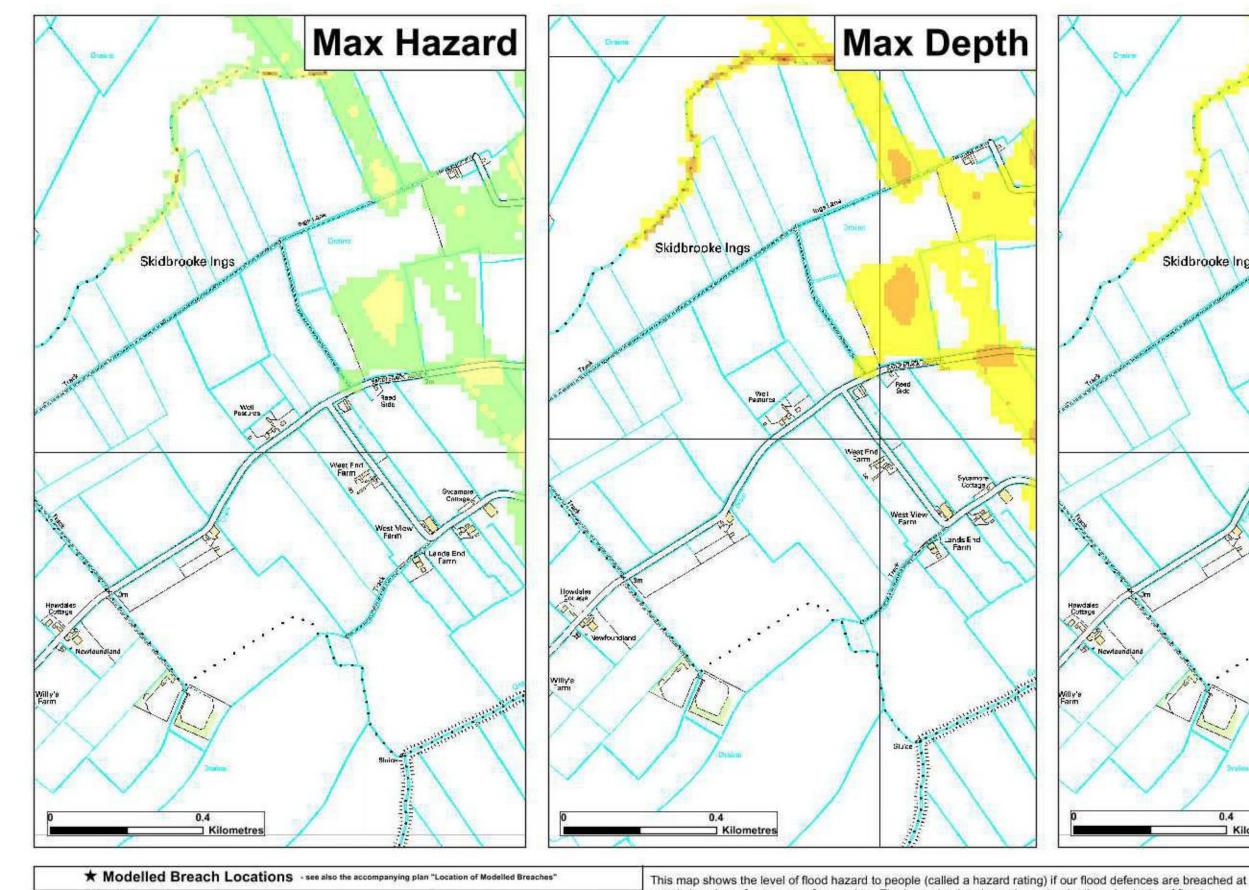
The following notes apply to all Marsh Road, Wisbech, Dog-in-a-Doublet

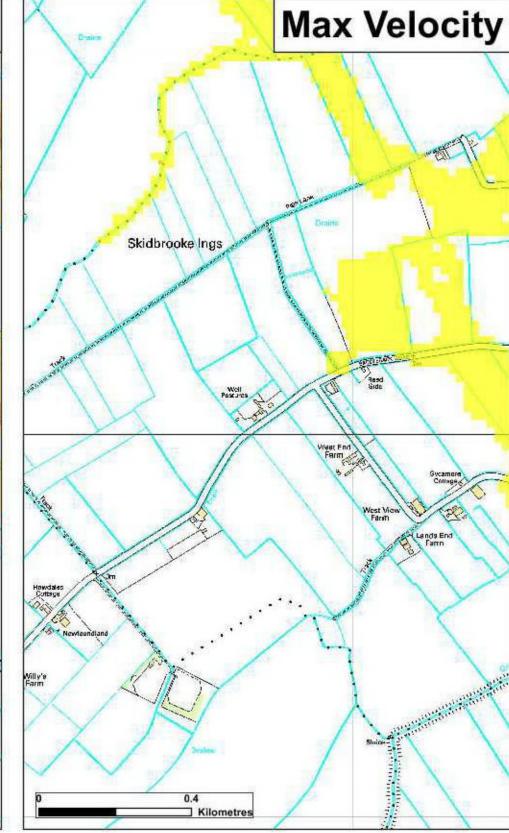
- > The base date for the data is 2006
- > The levels are still water levels. Depending on the use of the data it may be necessary to consider wave heights and / or joint probability analysis of water level and other variables.
- Levels for other annual chance probabilities are available if required.
- > These levels will be updated as their respective tidal river models are updated.

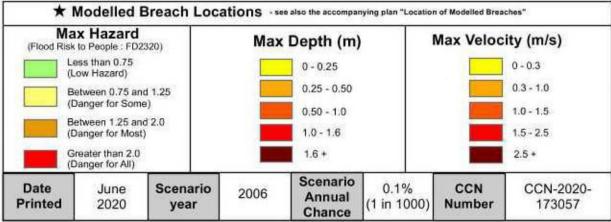
The following notes apply to Grand Sluice

- > The data is based on CFB 2018 data for Boston Barrier site, capped at 5.3mAOD to reflect use of the barrier.
- > The base date for the data is 2017
- > The levels are still water levels. Depending on the use of the data it may be necessary to consider wave heights and / or joint probability analysis of water level and other variables.
- For additional information relating to the 2018 Coastal Flood Boundary Extreme Sea Levels or to access the full dataset for the above sites or intermediate locations refer to the Defra Metadata Catalogue at https://deframetadata.com/geonetwork/srv/eng/catalog.search#/metadata/84a5c7c0-d465-11e4-b0bd-f0def148f590









This map shows the level of flood hazard to people (called a hazard rating) if our flood defences are breached at certain locations, for a range of scenarios. The hazard rating depends on the depth and velocity of floodwater, and maximum values of these are also mapped.

The map is based on computer modelling of simulated breaches at specific locations. Each breach has been modelled individually and the results combined to create this map. Multiple breaches, other combinations of breaches, different sized tidal surges or flood flows may all give different results.

The map only considers the consequences of a breach, it does not make any assumption about the likelihood of a breach occurring. The likelihood of a breach occurring will depend on a number of different factors, including the construction and condition of the defences in the area. A breach is less likely where defences are of a good standard, but a risk of breaching remains.

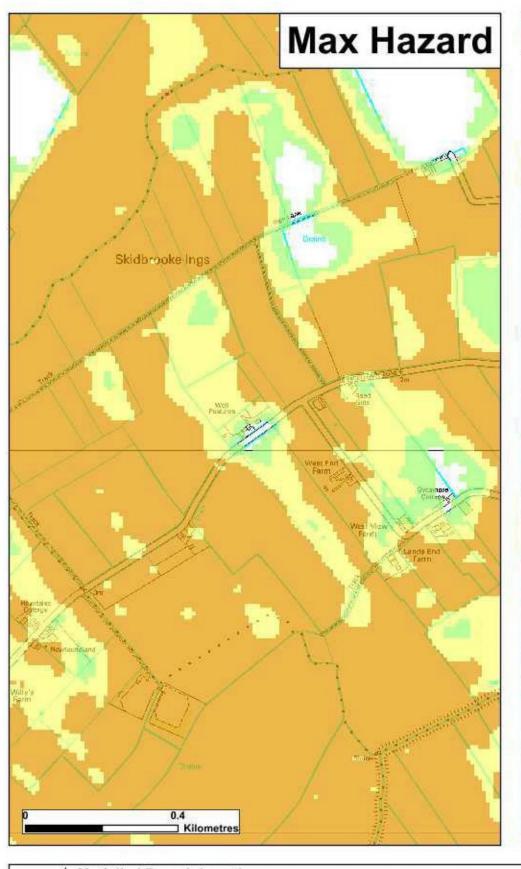
General Enquiries No: 03708 506 506. Weekday Daytime calls cost 5p plus up to 6p per minute from BT Weekend Unlimited, Mobile and other providers' charges may vary

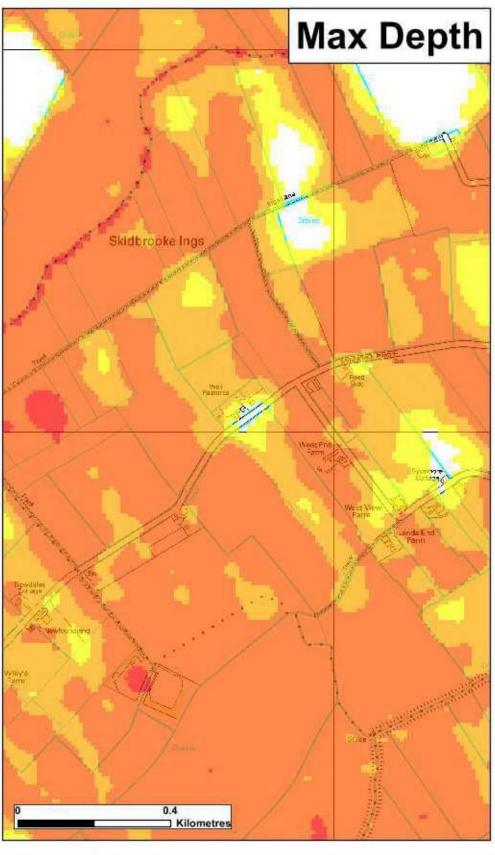


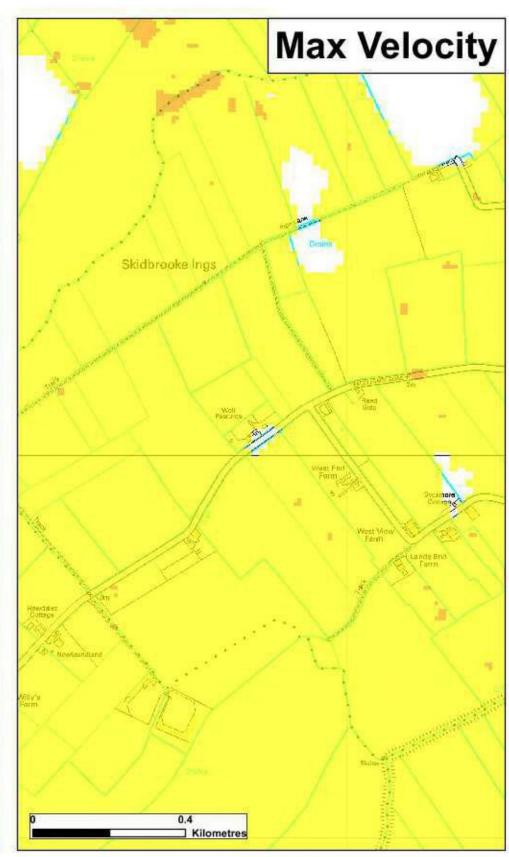
Lincolnshire and Northamptonshire Tidal Hazard mapping

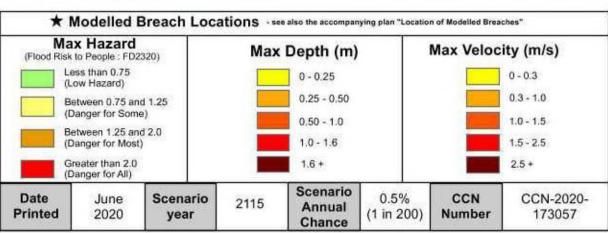
Map Centred on TF 42276 92054

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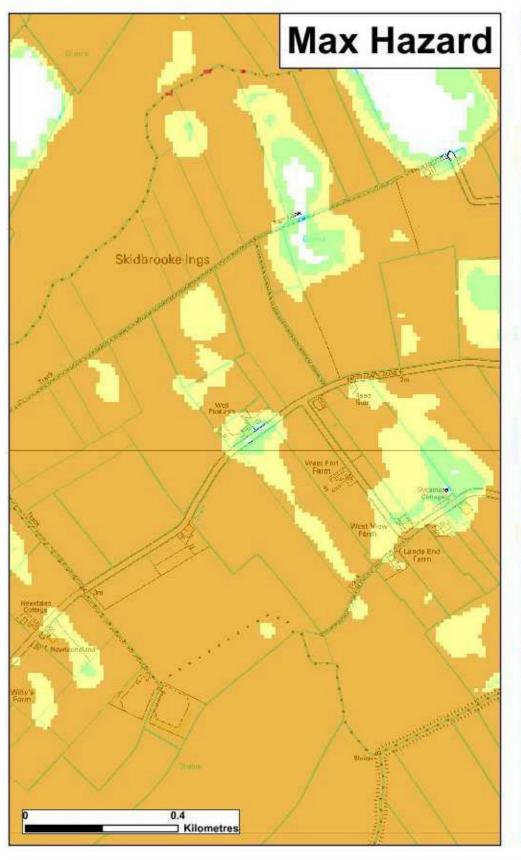
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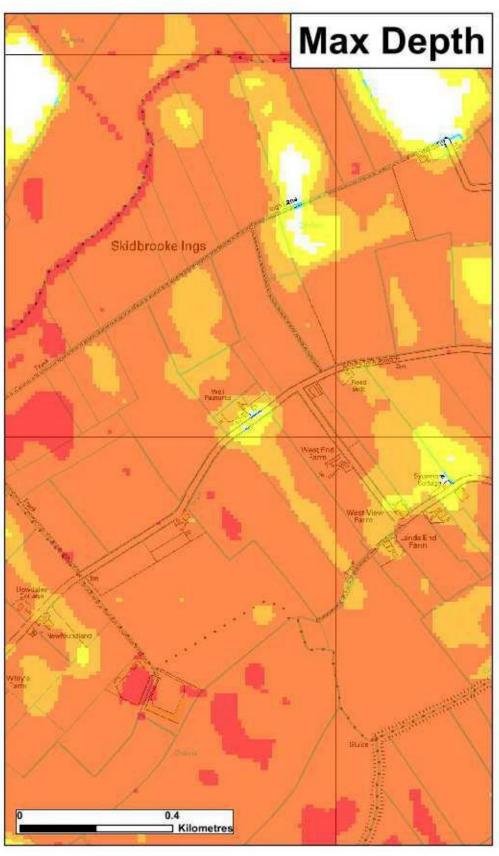


Lincolnshire and Northamptonshire Tidal Hazard mapping

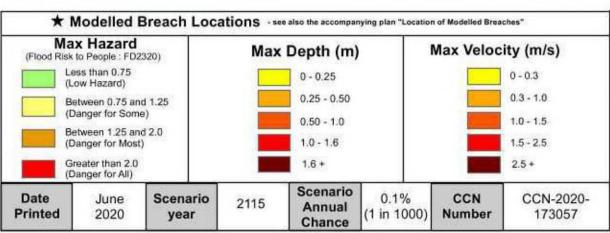
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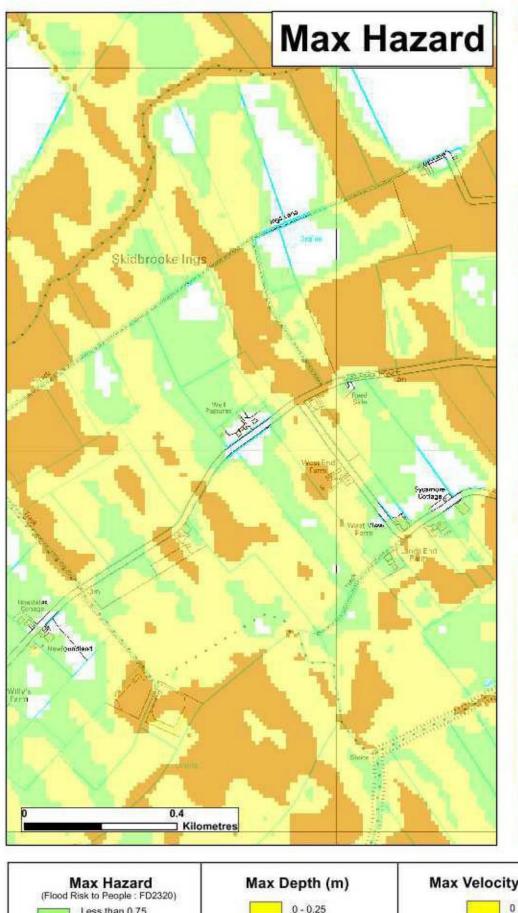
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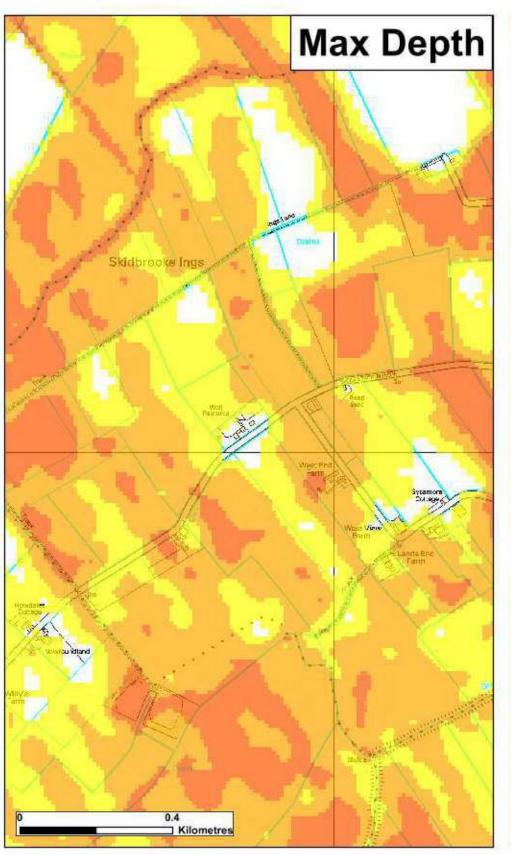


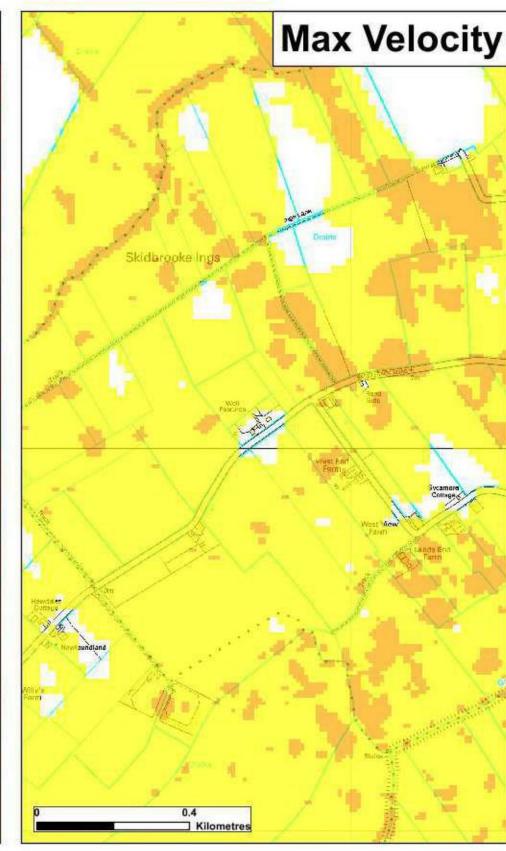
Lincolnshire and Northamptonshire Tidal Hazard mapping

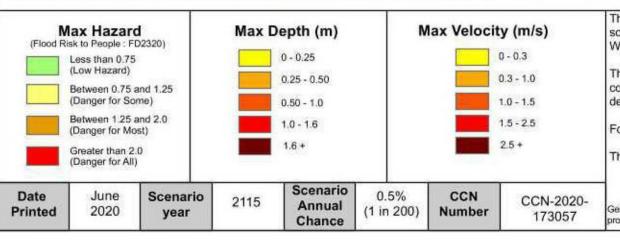
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The map is based on computer modelling of simulated overtopping of the main coastal defences for specific tidal scenarios. It does not include overtopping along the following tidal rivers which are currently being investigated: Witham Haven (upstream of Hobhole), and Welland (upstream of Fosdyke Bridge)

The map only considers the consequences of overtopping of the defences, and does not show the possible consequences of breaches of the tidal defences. Separate maps of the flood extent from just breaching of the defences are available.

For future climate change scenarios it is assumed that defences remain at 2006 heights.

These maps do not replace the flood zone maps used in the National Planning Policy Framework (NPPF)

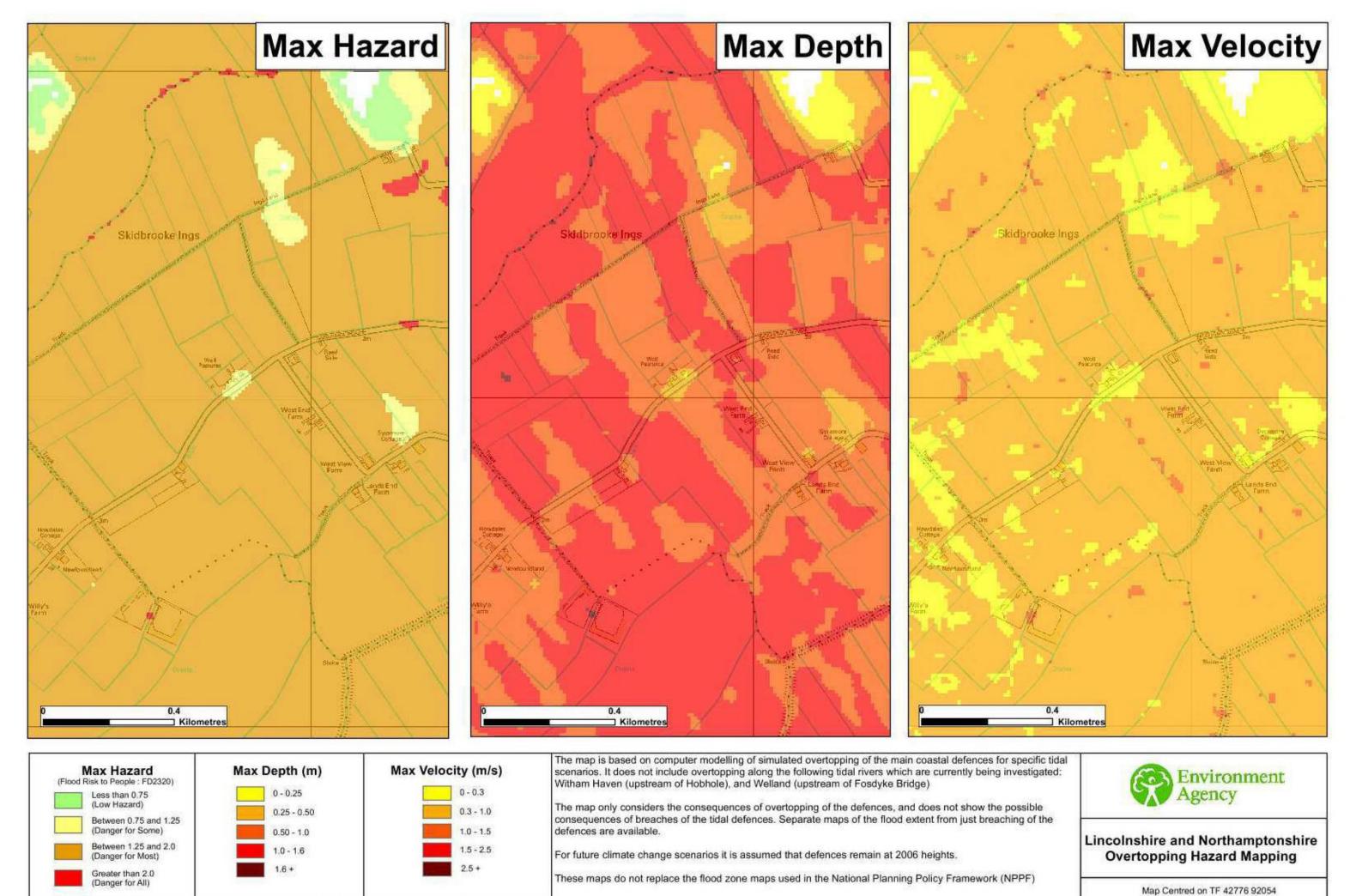
General Enquiries No: 03708 506 506. Weekday Daytime calls cost 5p plus up to 6p per minute from BT Weekend Unlimited. Mobile and other providers' charges may vary



Lincolnshire and Northamptonshire Overtopping Hazard Mapping

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Scenario

Annual

Chance

(1 in 1000)

CCN

Number

CCN-2020-

173057

Date

Printed

June

2020

Scenario

year

2115

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