

Appendix V

Environment Agency Product 4 Data

From: [REDACTED]
To: [REDACTED]
Cc: [REDACTED]
Subject: Flood Risk Information (Product 4) for Mill Rythe Holiday Park - Ref: SSD/185997
Date: 02 October 2020 17:34:52
Attachments: [Defences Map.pdf](#)
[Flood Map for Planning \(Rivers and Sea\).pdf](#)
[Levels Map.pdf](#)
[Risk of Flooding from Surface Water.pdf](#)
[Open Government Licence.pdf](#)
[Use of EA Information for FRAs.pdf](#)

External Sender

Dear David,

Enquiry regarding Product 4 for site at Mill Rythe Holiday Park, Hayling Island, PO11 0PB

Thank you for your enquiry which was received on 21 August 2020.

We respond to requests under the Freedom of Information Act 2000 and Environmental Information Regulations 2004. The information is attached.

The site may be affected by an extreme flood. According to our published flood map, which provides a general estimate of the likelihood of flooding across England & Wales, the property is shown to be within Flood Zone 3 - an area which may have a 0.5% chance of flooding annually (1 in 200), **ignoring** the presence and effect of any flood defences.

The Environment Agency has no record of flooding to this property/area, please note our records are not comprehensive and may not include all events. I recommend contacting the Lead Local Flooding Authority, Hampshire County Council or the Local Authority, Havant Borough Council for a more comprehensive flood history check.

Defences – See attached map.

Flood Levels – See attached map showing the flood levels for your site. These levels have been taken from the East Solent Food Risk Model that was carried out by JBA Consulting in 2018.

[FRA advisory text](#)

Name	Product 4
Description	Basic / Detailed Flood Risk Assessment Map for Mill Rythe Holiday Park, Hayling Island, PO11 0PB
Licence	Open Government Licence
Information Warnings	The majority of our models will not have the new climate change allowances. +20% is not suitable for the majority of planning purposes and the new allowances to use should be checked here: https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances
Information Warning - OS	<i>The mapping of features provided as a background in this product is © Ordnance Survey. It is provided to give context to</i>

background mapping	<i>this product. The Open Government Licence does not apply to this background mapping. You are granted a non-exclusive, royalty free, revocable licence solely to view the Licensed Data for non-commercial purposes for the period during which the Environment Agency makes it available. You are not permitted to copy, sub-license, distribute, sell or otherwise make available the Licensed Data to third parties in any form. Third party rights to enforce the terms of this licence shall be reserved to OS.</i>
Attribution	Contains Environment Agency information © Environment Agency and/or database rights. Contains Ordnance Survey data © Crown copyright 2017 Ordnance Survey 100024198.

Data Available Online

Many of our flood datasets are available online:

- Flood Map For Planning ([Flood Zone 2](#), [Flood Zone 3](#), [Flood Storage Areas](#), [Flood Defences](#), [Areas Benefiting from Defences](#))
- [Risk of Flooding from Rivers and Sea](#)
- [Historic Flood Map](#)
- [Current Flood Warnings](#)

Does Your Proposal Have Environmental Issues or Opportunities? Speak To Us Early!

If you are planning a new project or development, we want to work with you to make the process as smooth as possible. Early engagement can improve subsequent planning applications to you and your clients' benefit and deliver environmental outcomes. For a cost recovery fee of £100 per hour plus VAT we will provide you with a project manager who will coordinate all meetings and reviews in order to give you detailed specialist advice with guaranteed delivery dates. More information can be found on our website [here](#).

Please get in touch if you have any further queries or contact us within two months if you'd like us to review the information we have sent.

Yours sincerely,

Aimee Etheridge
Partnership and Strategic Overview team, Hampshire and Isle of Wight
Environment Agency



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Flood Map for Planning (Rivers and Sea) Centred on Mill Rythe Holiday Park - Created 2 Oct 2020



1: 10,000

0 Metres 250



Flood Map for Planning (Rivers & Sea)

- Defences
- - - Flood Storage Areas
- ▨ Areas benefiting from flood defences
- ▒ Flood Zone 3
- Flood Zone 2

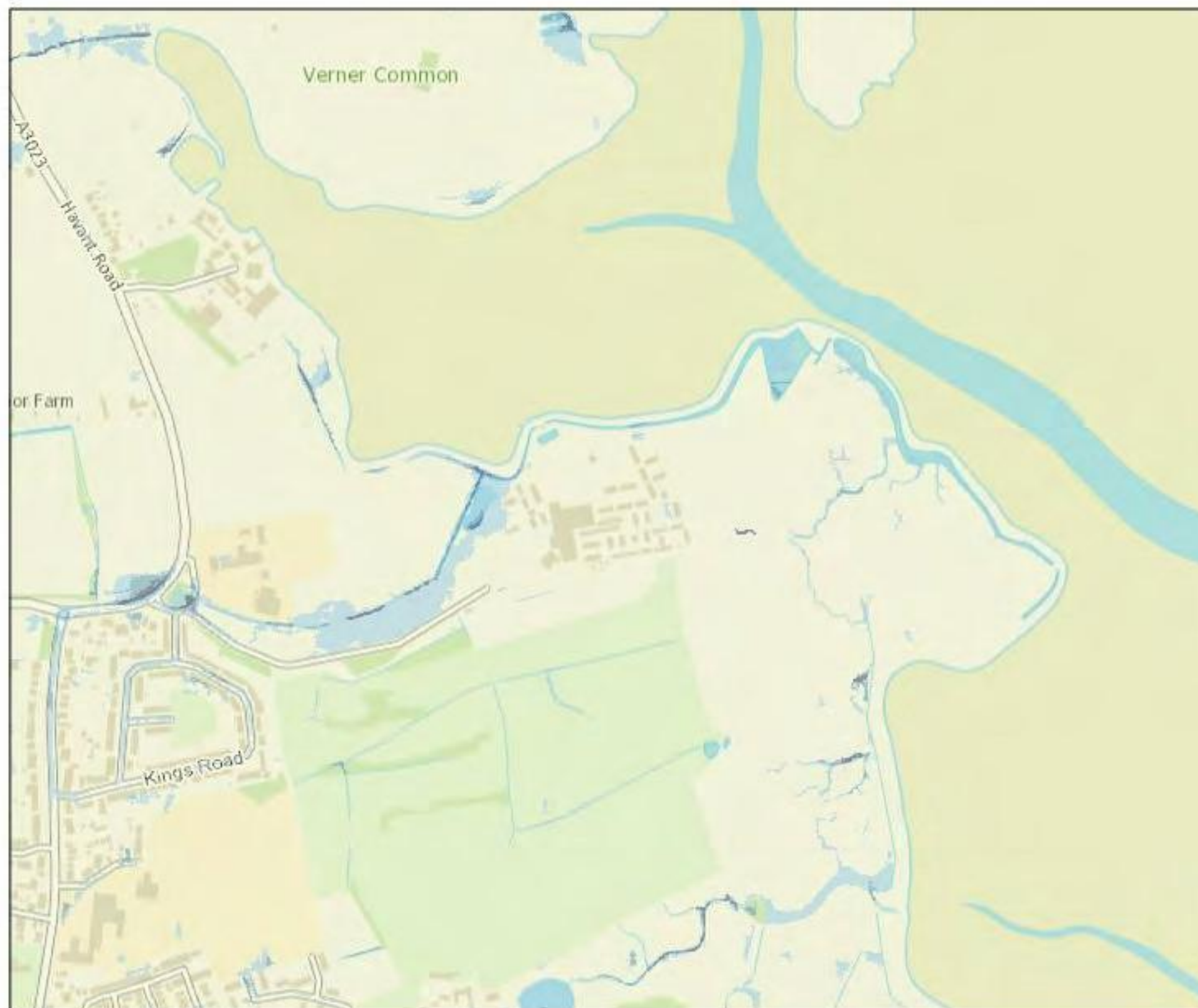
Flood Map Areas (assuming no defences)

Flood Zone 3 shows the area that could be affected by flooding:

- from the sea with a 1 in 200 or greater chance of happening each year
- or from a river with a 1 in 100 or greater chance of happening each year.

Flood Zone 2 shows the extent of an extreme flood from rivers or the sea with up to a 1 in 1000 chance of occurring each year.

Risk of flooding from Surface Water Centred on Mill Rythe Holiday Park - Created 2 Oct 2020



1: 10,000

0 Metres 250



Likelihood of flooding from Surface Water

- High ($\geq 3.3\%$)
- Medium (3.3% - 1%)
- Low (1% - 0.1%)
- Very Low

Likelihood of flooding from Surface Water

- High: Greater than or equal to 3.3% (1 in 30) chance in any given year
- Medium: Less than 3.3% (1 in 30) but greater than or equal to 1% (1 in 100) chance in any given year
- Low: Less than 1% (1 in 100) but greater than or equal to 0.1% (1 in 1,000) chance in any given year
- Very Low: Less than 0.1% (1 in 1,000) chance in any given year

This information is shown on the Risk of Flooding from Surface Water map on GOV.UK.

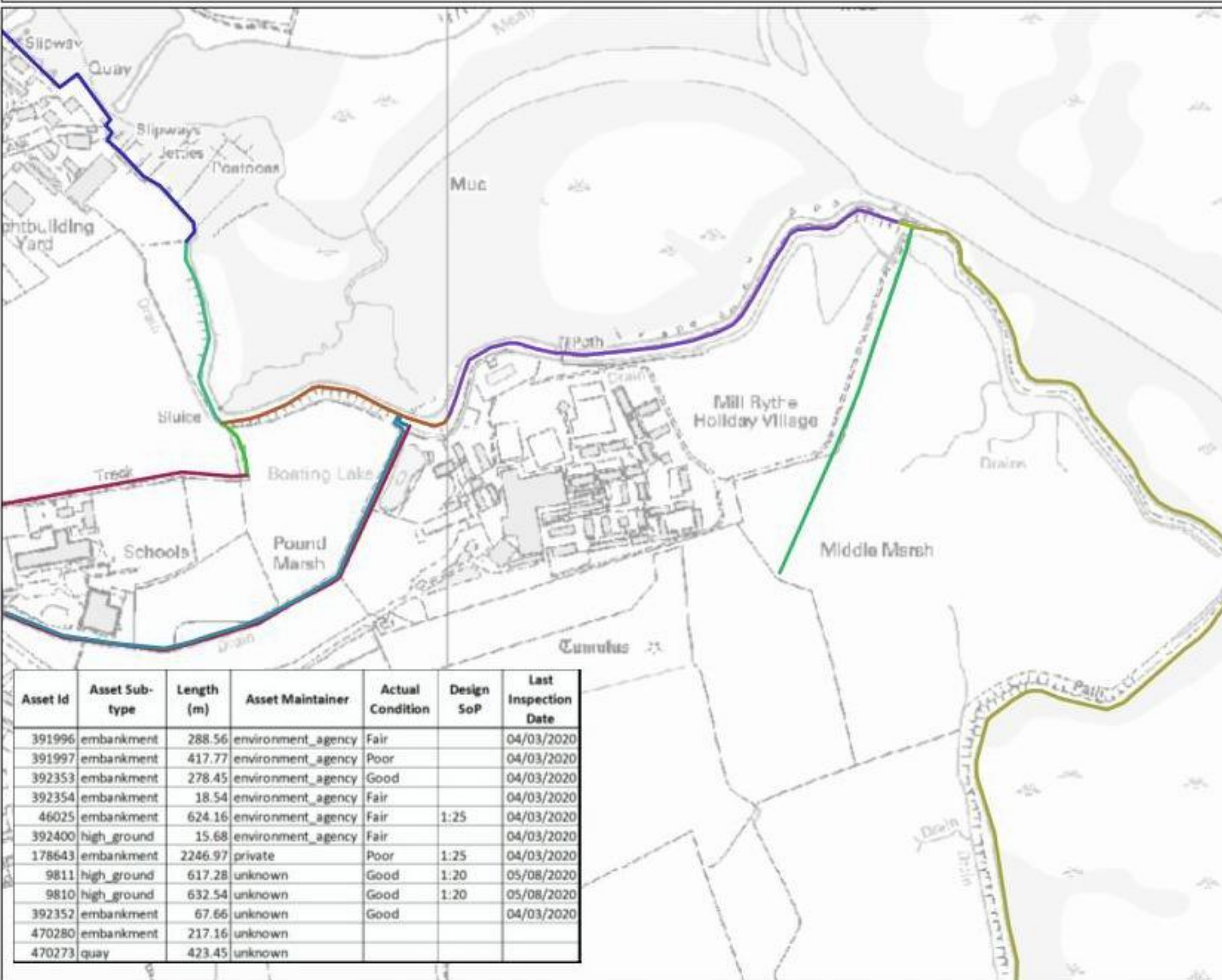
Defences Centred on Mill Rythe Holiday Park - Created 2 October 2020



Legend

ASSET_ID

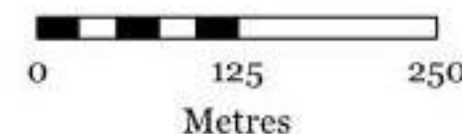
- 46025
- 391996
- 391997
- 392353
- 392354
- 392400
- 9810
- 9811
- 178643
- 392352
- 470273
- 470280



Asset Id	Asset Sub-type	Length (m)	Asset Maintainer	Actual Condition	Design SoP	Last Inspection Date
391996	embankment	288.56	environment_agency	Fair		04/03/2020
391997	embankment	417.77	environment_agency	Poor		04/03/2020
392353	embankment	278.45	environment_agency	Good		04/03/2020
392354	embankment	18.54	environment_agency	Fair		04/03/2020
46025	embankment	624.16	environment_agency	Fair	1:25	04/03/2020
392400	high_ground	15.68	environment_agency	Fair		04/03/2020
178643	embankment	2246.97	private	Poor	1:25	04/03/2020
9811	high_ground	617.28	unknown	Good	1:20	05/08/2020
9810	high_ground	632.54	unknown	Good	1:20	05/08/2020
392352	embankment	67.66	unknown	Good		04/03/2020
470280	embankment	217.16	unknown			
470273	quay	423.45	unknown			

1:6,314 *

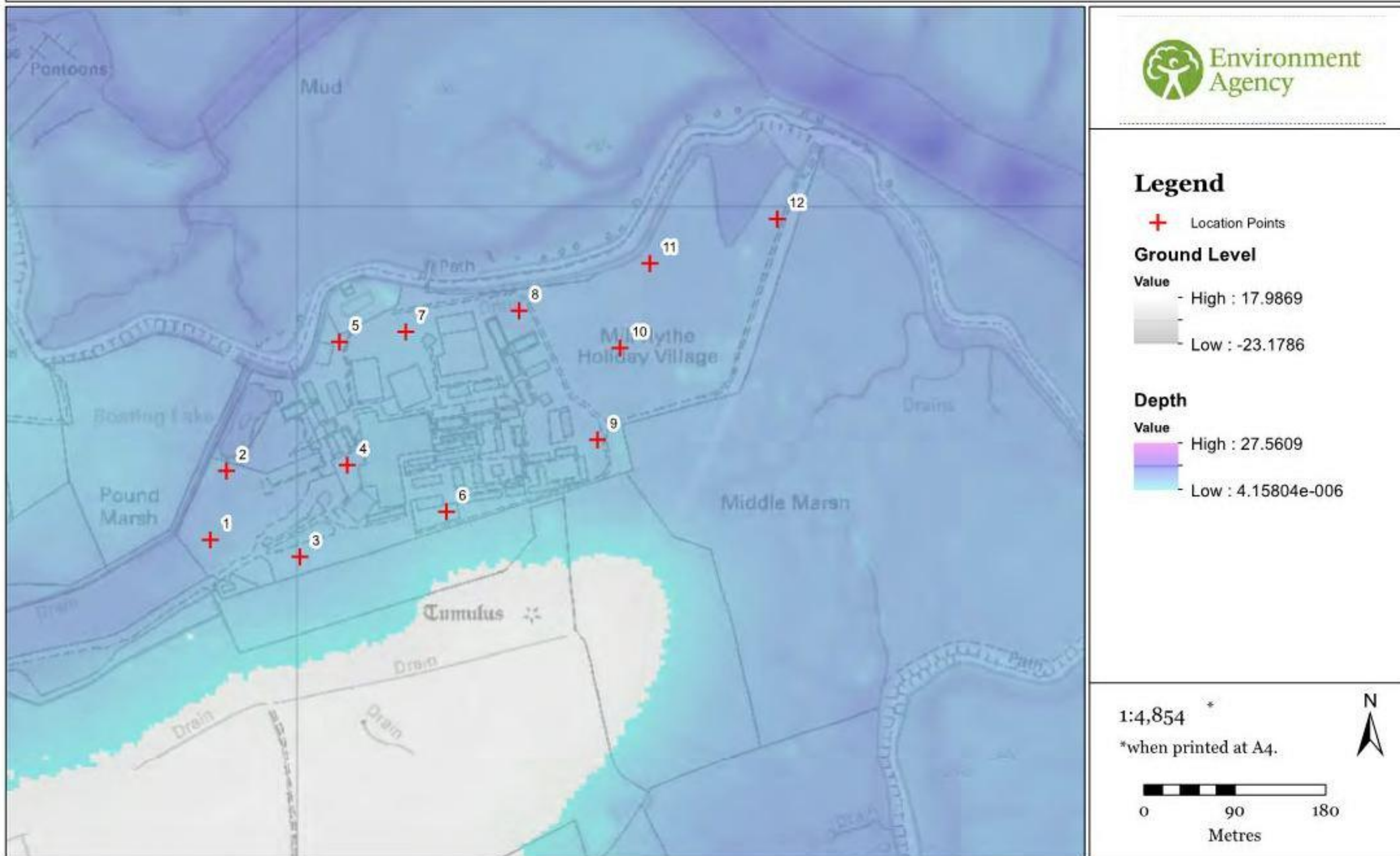
*when printed at A4.



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Contact Us: National Customer Contact Centre, PO BOX 544, Rotherham, S60 1BY. Tel: 08708 506 506 (Mon-Fri 8-6). Email: enquiries@environment-agency.gov.uk

Modelled Flood Levels Centred on Mill Rythe Holiday Park - Created 2 October 2020



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Water Depths & Levels for Mill Rythe Holiday Park, Hayling Island

Point	Water Depth (m)						Water Surface Level (mAOD*)						Ground Level
	0.5% Annual Probability/1 in 200 Year (Flood Zone 3)	0.5% Annual Probability/1 in 200 Year + Climate Change 2065	0.5% Annual Probability/1 in 200 Year + Climate Change 2115	0.1% Annual Probability/1 in 1000 Year (Flood Zone 2)	0.1% Annual Probability/1 in 1000 Year + Climate Change 2065	0.1% Annual Probability/1 in 1000 Year + Climate Change 2115	0.5% Annual Probability/1 in 200 Year (Flood Zone 3)	0.5% Annual Probability/1 in 200 Year + Climate Change 2065	0.5% Annual Probability/1 in 200 Year + Climate Change 2115	0.1% Annual Probability/1 in 1000 Year (Flood Zone 2)	0.1% Annual Probability/1 in 1000 Year + Climate Change 2065	0.1% Annual Probability/1 in 1000 Year + Climate Change 2115	
1	2.10	2.42	2.84	2.27	2.59	3.02	3.42	3.74	4.16	3.59	3.91	4.34	1.32
2	2.59	2.90	3.33	2.76	3.08	3.50	3.42	3.73	4.16	3.59	3.91	4.33	0.83
3	1.04	1.36	1.79	1.22	1.54	1.96	3.41	3.73	4.16	3.59	3.91	4.33	2.37
4	1.60	1.92	2.34	1.77	2.09	2.51	3.42	3.74	4.16	3.59	3.91	4.33	1.82
5	1.49	1.81	2.23	1.66	1.98	2.41	3.42	3.74	4.16	3.59	3.91	4.34	1.93
6	0.48	0.80	1.22	0.65	0.97	1.39	3.42	3.74	4.16	3.59	3.91	4.33	2.94
7	1.34	1.66	2.12	1.51	1.83	2.26	3.42	3.74	4.20	3.59	3.91	4.34	2.08
8	1.90	2.21	2.68	2.07	2.39	2.83	3.41	3.72	4.19	3.58	3.90	4.34	1.51
9	1.68	2.00	2.46	1.86	2.18	2.61	3.41	3.73	4.19	3.59	3.91	4.34	1.73
10	2.08	2.40	2.85	2.25	2.57	3.01	3.41	3.73	4.18	3.58	3.90	4.34	1.33
11	2.27	2.59	3.04	2.44	2.76	3.20	3.41	3.73	4.18	3.58	3.90	4.34	1.14
12	2.64	2.96	3.41	2.81	3.13	3.57	3.41	3.73	4.18	3.58	3.90	4.34	0.77

* Levels in metres above Ordnance Datum Newlyn