Mario Mora <mario@rida-reports.co.uk>

GMMC347413AB Response attached from the Environment Agency

1 message

GMMC Info Requests <InfoRequests.GMMC@environment-agency.gov.uk> 20 February 2024 at 12:26
To: Mario Mora <mario@rida-reports.co.uk>

Dear Mario,

Thank you for your enquiry which was received on 14/2/24.

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

I enclose the Product 4 data.

We hold no record of flooding in this area. However, this does not mean flooding has not occurred in the past or that it will not flood in future. We recommend that you also contact United Utilities and Manchester District Council may hold additional information (the former especially in relation to sewer flooding).

Please be aware you can check your risk of flooding on our external website https://flood-warning-information.service.gov.uk/long-term-flood-risk/

https://www.gov.uk/guidance/flood-risk-assessment-local-planning-authorities

https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances

Manchester District Council is responsible for issues relating to surface water and hold information on surface water flooding.

For surface water information please use link: https://check-long-term-flood-risk.service.gov.uk/map?easting=362125.07&northing=388310.97&map=SurfaceWater

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https://ea.sharefile.com/d-s1f2a91f1526e411a98b956150b28c01b

The ShareFile links contains the following data:

Model Cringle Brook 2017 (P6)

Report (P5)

Please be advised that the link will expire in 30 days from 19/2/24. It is therefore advisable that you save this data to your own system.

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1. The Information may contain some data that we believe is within the definition of “personal data” under the Data Protection Act 1998 but we consider that we will not be in breach of the Act if we disclose it to you with conditions set out in this condition and the conditions above. This personal data comprises names of individuals or commentary relating to property that may be owned by an individual or commentary relating to the activities of an individual.
2. Under the Act a person who holds and uses or passes to others personal data is responsible for any compliance with the Act and so we have no option but to warn you that this means you have responsibility to check that you are compliant with the Act in respect of this personal data.

5 The location of public water supply abstraction sources must not be published to a resolution more detailed than 1km2. Information about the operation of flood assets should not be published.

6 .1 Where we have supplied model data which may include model inputs or outputs you agree to supply to the Environment Agency copies of any assessments/studies and related outputs, modifications or derivatives created pursuant to the supply to you of the Information, all of which are hereinafter referred to as “the Data”.

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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.

Kind regards,

Anne Ball

Customer and Engagement Officer

Greater Manchester, Merseyside and Cheshire

Email: Inforequests.gmmc@environment-agency.gov.uk

Office address: Richard Fairclough House, Knutsford Road, Latchford, Warrington, WA14 4UW

From: Mario Mora <mario@rida-reports.co.uk>
Sent: Wednesday, February 14, 2024 8:44 AM
To: GMMC Info Requests <InfoRequests.GMMC@environment-agency.gov.uk>
Cc: Enquiries, Unit <enquiries@environment-agency.gov.uk>
Subject: 240215/LG01 - ask C&E if received Product 4/6 - [0451] 31 Moorton Ave Manchester M19 2NQ

Warning: The sender of this message could not be validated. Please use caution when opening any message content such as attachments or links

Dear Sir/Madam,

We have been instructed by our client to carry out a Flood Risk Assessment for the proposed re-development at the above site.

Please find enclosed a location map for your reference.

With regards to completing the above in compliance with the National Planning Policy Framework (NPPF), we would like to request the following information:

a. The Modelled flood levels (Product 4 or Product 6) of the area shown in the attached drawing. Including the predicted fluvial 1 in 20 year, 1 in 100 year, 1 in 200 year, 1 in 100 year climate change and the 1 in 1000 year flood levels for this site together with the detailed flood map.

b. Historical records of flooding in the vicinity of the site or confirmation that the site has no record of flooding in the past.

If you have any queries please do not hesitate to contact us

Kind regards,

Mario Mora
Senior Engineer

T: 01608 510 121
E: mario@rida-reports.co.uk
W: www.rida-reports.co.uk

Flood Risk Assessments and Drainage Design

Oxford Innospace, Old Music Hall, 106-108 Cowley Road, Oxford, OX4 1JE

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4 attachments

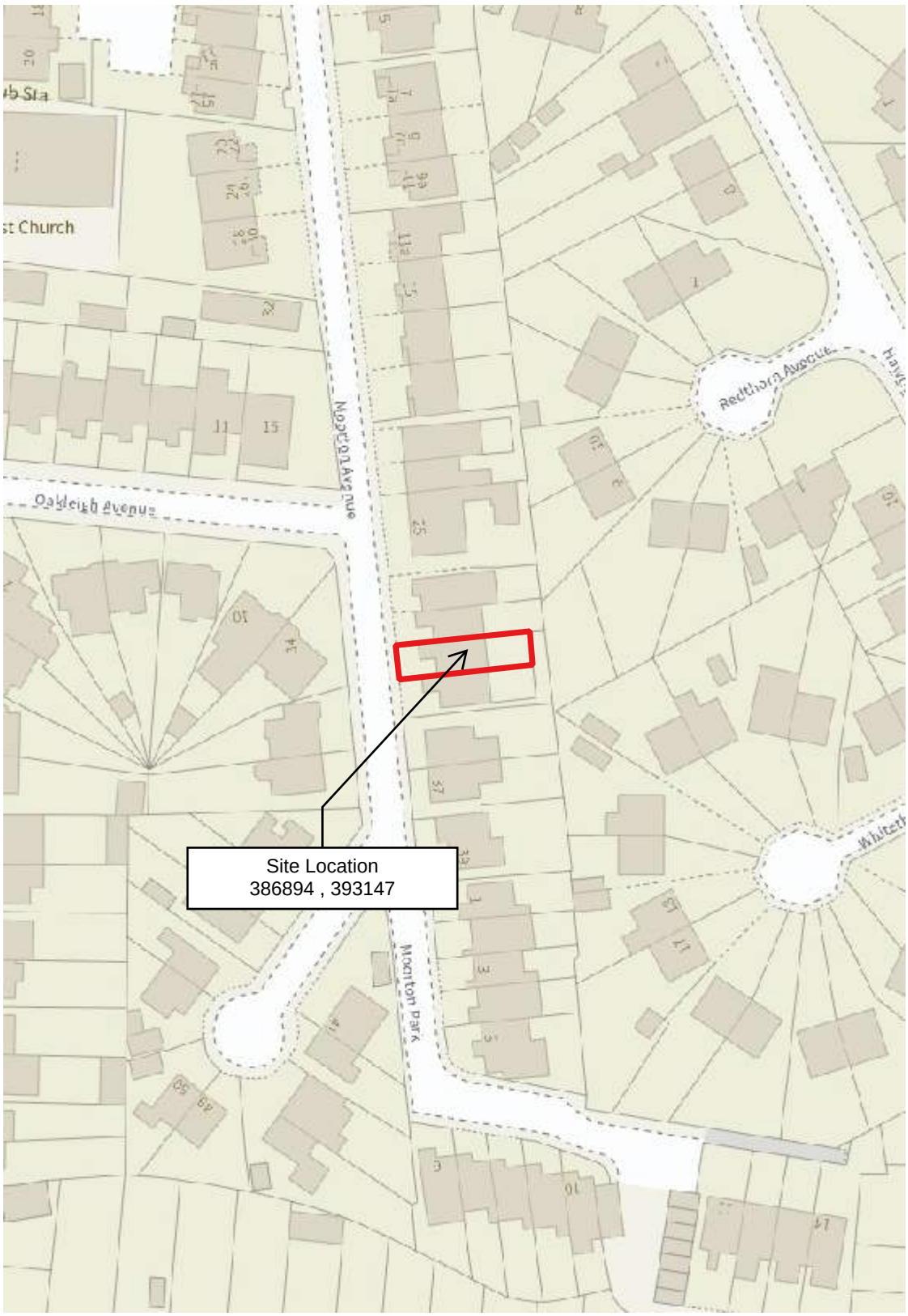
Appendix A- Site Location14.02.2024.pdf
92K

GMMC347413AB DFM.pdf
1374K

GMMC347413AB Def.pdf
642K

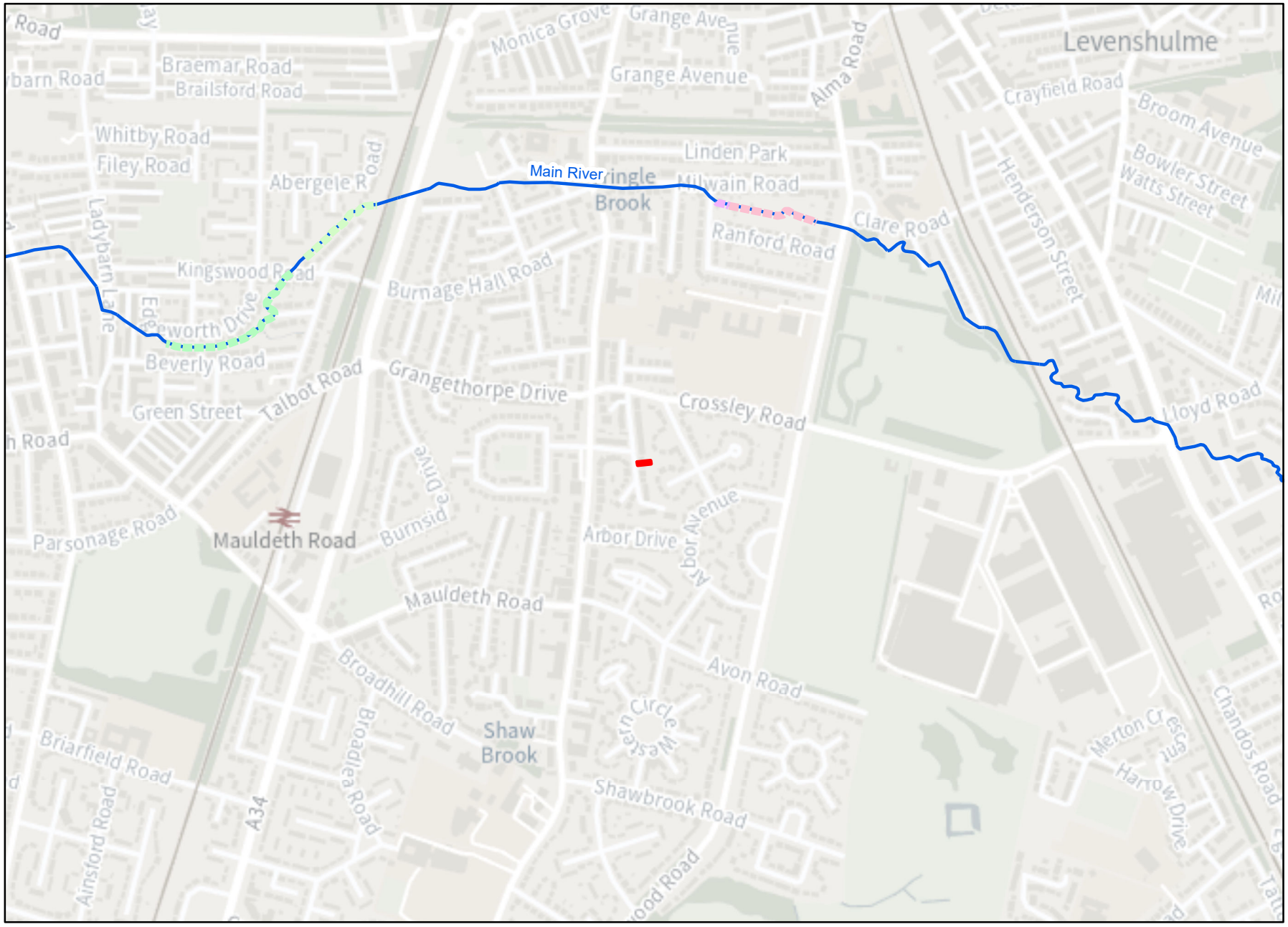
GMMC347413AB table.pdf
49K

Appendix A


Site Location
386894 , 393147
Oakleigh Avenue
Morton Avenue
Morton Park

1:1000

Flood Defence Map centred on Moorton Ave, Manchester, M19 2NQ
Created 16/02/2024 [GMMC347413AB]



Environment Agency

1:10,001

N

Legend

Site Location

Defences

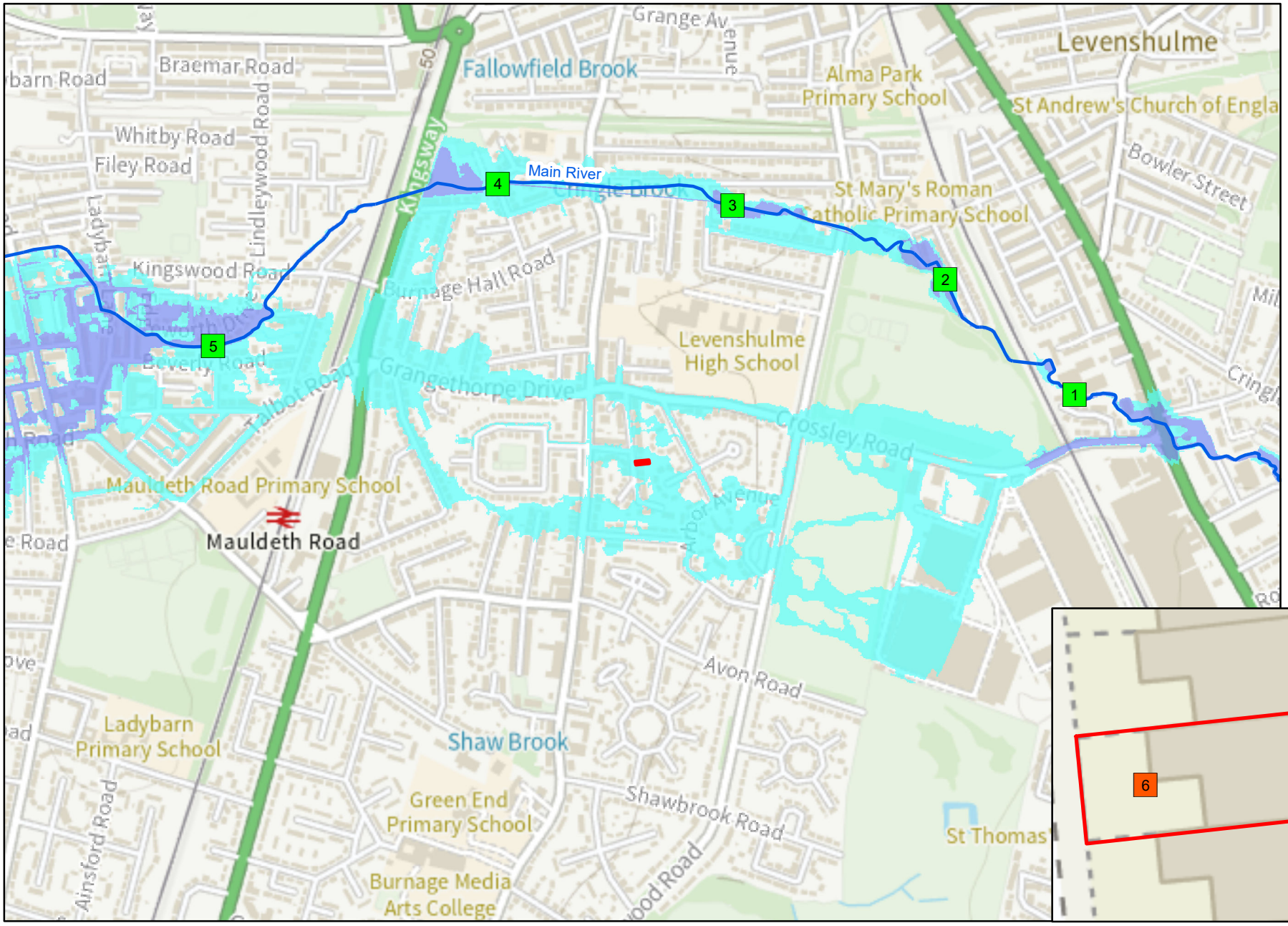
Asset ID

- 71686
- 9636
- 7430
- 8871

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Detailed Flood Map centred on Moorton Ave, Manchester, M19 2NQ
Created 16/02/2024 [GMMC347413AB]



Environment Agency

1:10,001

N

Legend

- Site Location
- Model Measurements
- 2D Levels
- Main Rivers
- Flood Zone 3
- Flood Zone 2

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					Undefended												Defended											
Map Reference	Model Node Reference	Easting	Northing	Data	50 % AEP (1 in 2 year)	20 % AEP (1 in 5 year)	10 % AEP (1 in 10 year)	5 % AEP (1 in 20 year)	4 % AEP (1 in 25 year)	2 % AEP (1 in 50 year)	1.33 % AEP (1 in 75 year)	1 % AEP (1 in 100 year)	1 % AEP (1 in 100 year) + 30% increase in flow	1 % AEP (1 in 100 year) + 70% increase in flow	0.5 % AEP (1 in 200 year)	0.1 % AEP (1 in 1000 year)	0.1 % AEP (1 in 1000 year) + 30% increase in flow	50 % AEP (1 in 2 year)	20 % AEP (1 in 5 year)	10 % AEP (1 in 10 year)	5 % AEP (1 in 20 year)	4 % AEP (1 in 25 year)	2 % AEP (1 in 50 year)	1.33 % AEP (1 in 75 year)	1 % AEP (1 in 100 year)	1 % AEP (1 in 100 year) + 30% increase in flow	1 % AEP (1 in 100 year) + 30% increase in flow	1 % AEP (1 in 100 year) + 70% increase in flow	0.5 % AEP (1 in 200 year)	0.1 % AEP (1 in 1000 year)	0.1 % AEP (1 in 1000 year) + 30% increase in flow
1	ea013_0238_CRING1_3993	387689	393270	Modelled Water Level (m aodN)	53.79	53.94	54.06	54.16	54.19	54.29	54.33	54.38	54.54	54.71	54.48	54.81	55.24	53.79	53.94	54.06	54.18	54.19	54.29	54.33	54.38	54.54	54.56	54.71	54.48	54.81	55.24
				Modelled Flow (cumecs)	1.67	2.18	2.64	3.03	3.16	3.66	3.90	4.13	4.92	5.79	4.60	6.29	7.23	1.67	2.18	2.64	3.03	3.16	3.66	3.90	4.13	4.92	5.04	5.79	4.60	6.29	7.23
2	ea013_0238_CRING1_3590	387451	393483	Modelled Water Level (m aodN)	50.64	50.85	51.06	51.27	51.34	51.53	51.55	51.56	51.70	51.76	51.67	51.78	51.83	50.64	50.85	51.06	51.27	51.34	51.53	51.55	51.56	51.70	51.71	51.76	51.67	51.78	51.83
				Modelled Flow (cumecs)	1.67	2.17	2.56	2.74	2.80	3.01	3.13	3.22	3.56	4.00	3.39	4.21	4.71	1.67	2.17	2.56	2.74	2.80	3.01	3.13	3.22	3.56	3.62	4.00	3.39	4.21	4.71
3	ea013_0238_CRINE1_3109	387123	393550	Modelled Water Level (m aodN)	47.38	47.56	47.76	47.89	47.92	48.09	48.23	48.31	48.51	48.60	48.44	48.70	48.79	47.38	47.56	47.76	47.89	47.92	48.09	48.23	48.31	48.51	48.52	48.60	48.44	48.70	48.79
				Modelled Flow (cumecs)	1.87	2.41	3.02	3.41	3.50	3.67	3.67	3.69	4.37	4.46	4.34	4.43	4.52	1.87	2.41	3.02	3.41	3.50	3.67	3.67	3.69	4.37	4.43	4.46	4.34	4.43	4.52
4	ea013_0238_CRINE1_26720	386624	393660	Modelled Water Level (m aodN)	43.05	43.17	43.44	43.64	43.69	43.94	44.09	44.18	44.59	44.87	44.41	45.00	45.13	43.05	43.17	43.44	43.64	43.69	43.94	44.09	44.18	44.59	44.65	44.87	44.41	45.00	45.13
				Modelled Flow (cumecs)	1.87	2.41	3.01	3.40	3.49	3.91	4.18	4.34	4.81	5.03	4.68	5.12	5.16	1.87	2.41	3.01	3.40	3.49	3.91	4.18	4.34	4.81	4.85	5.03	4.68	5.12	5.16
5	ea013_0238_CRINE1_1991	386099	393360	Modelled Water Level (m aodN)	39.77	39.87	39.98	40.04	40.05	40.09	40.11	40.12	40.17	40.23	40.16	40.29	40.31	39.77	39.87	39.98	40.04	40.05	40.09	40.11	40.12	40.17	40.18	40.23	40.16	40.29	40.31
				Modelled Flow (cumecs)	3.03	3.70	4.57	5.07	5.17	5.54	5.71	5.81	6.37	7.27	6.16	9.19	10.57	3.03	3.70	4.57	5.07	5.17	5.54	5.71	5.81	6.37	6.46	7.27	6.16	9.19	10.57

					Defended		Undefended		
Map Reference	Model Node Reference	Easting	Northing	Data	1 % AEP (1 in 100 year) + 70% increase in flow	0.1 % AEP (1 in 1000 year)	0.1 % AEP (1 in 1000 year) + 30% increase in flow	1 % AEP (1 in 100 year) + 70% increase in flow	0.1 % AEP (1 in 1000 year)	0.1 % AEP (1 in 1000 year) + 30% increase in flow
6	2D Levels	386882	393145	Modelled Water Level (m aodN)	48.09	48.09	48.09	48.08	48.09	48.09
7		386896	393146	Modelled Water Level (m aodN)		48.23	48.24		48.23	48.23

Model data taken from Cringle Brook 2017

AEP - Annual Exceedence Probability

m aodN - metres above ordnance datum Newlyn

cumecs - cubic metres per second

Notes: Climate Change Scenario - 30%, 35% and 70% increases in flow calculated for the 2080's (2070 - 2115). Please see https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances for more information regarding the new climate change guidance. The location of the site and the type (vulnerability) of development determine the climate change allowances to consider in any flood risk assessment.

Flood Defences

Start Date	Asset Type	Asset ID	Standard of Protection	Upstream Actual Crest Level (m aod)	Downstream Actual Crest Level (m aod)
01/01/2004	Engineered High Ground	71686	100	48.71	47.89
01/01/2004	Engineered High Ground	9636	100	41.26	43.83
02/01/2004	Engineered High Ground	7430	100	47.83	50.40
03/01/2004	Natural High Ground	8071	100	41.17	39.56