

Map Reference	Model Node Reference	Easting	Northing	Data	Undefended							Defended						
					10 % AEP (1 in 10 year)	3.33 % AEP (1 in 30 year)	1.33 % AEP (1 in 75 year)	1 % AEP (1 in 100 year)	0.5 % AEP (1 in 200 year)	0.5 % AEP (1 in 200 year) + 2115 predicted rise	0.1 % AEP (1 in 1000 year)	10 % AEP (1 in 10 year)	3.33 % AEP (1 in 30 year)	1.33 % AEP (1 in 75 year)	1 % AEP (1 in 100 year)	0.5 % AEP (1 in 200 year)	0.5 % AEP (1 in 200 year) + 2115 predicted rise	0.1 % AEP (1 in 1000 year)
1	ea013_Model_Wirral_BIR_10776	323372	389260	Modelled Water Level (m aodN)	4.78	5.03	5.35	5.42	5.55	6.32	5.78	3.45	3.45	3.45	3.45	3.45	3.46	3.45
2	ea013_Model_Wirral_BIR_10581	323491	389419	Modelled Water Level (m aodN)	4.83	5.11	5.44	5.50	5.64	6.41	5.87	3.41	3.41	3.41	3.41	3.41	3.42	3.41
3	ea013_Model_Wirral_BIR_10361	323471	389623	Modelled Water Level (m aodN)	4.88	5.22	5.56	5.64	5.78	6.59	6.01	3.18	3.18	3.18	3.18	3.22	3.18	3.18
4	ea013_Model_Wirral_BIR_10209	323469	389760	Modelled Water Level (m aodN)	4.91	5.24	5.58	5.66	5.79	6.62	6.03	3.17	3.17	3.17	3.17	3.21	3.17	3.17
5	ea013_Model_Wirral_BIR_9874	323678	390020	Modelled Water Level (m aodN)	5.14	5.36	5.58	5.66	5.80	6.65	6.05	3.10	3.10	3.10	3.10	3.16	3.10	3.10

Model data taken from Wirral Tidal 2015
 AEP - Annual Exceedence Probability
 m aodN - metres above ordnance datum Newlyn

Notes: The impact of climate change was assessed by simulating a 200-year event including an increase in predicted sea-level rise up to the year 2115 based on the latest UKCP09 guidance

Please note that the site is within/partially within a tidal Area Benefiting from Defences. The protection is offered by the coastal defences at the head of the Wirral and these were included in our modelling. However these are maintained by Wirral Council and as third party assets, their location is not shown on our Flood Map for Planning nor do we hold details regarding their crest levels or condition. We therefore recommend you contact the Coastal Defence Team at Wirral Borough Council on 0151 606 2000 (switchboard) or email ifla@wirral.gov.uk if you require such information.

Map Reference	Model Node Reference	Easting	Northing	Data	Undefended					Defended				
					10 % AEP (1 in 10 year)	5 % AEP (1 in 20 year)	1.33 % AEP (1 in 75 year)	1 % AEP (1 in 100 year)	0.1 % AEP (1 in 1000 year)	10 % AEP (1 in 10 year)	5 % AEP (1 in 20 year)	1.33 % AEP (1 in 75 year)	1 % AEP (1 in 100 year)	0.1 % AEP (1 in 1000 year)
1	ea013_Wirral_2011_BIR_10776	323372	389260	Modelled Water Level (m aodN)	4.14	4.25	4.45	4.48	4.75	4.08	4.18	4.43	4.47	4.77
				Modelled Flow (cumecs)	1.70	1.73	1.78	1.82	2.22	1.80	1.84	1.92	1.94	2.26
2	ea013_Wirral_2011_BIR_10581	323491	389419	Modelled Water Level (m aodN)	4.10	4.22	4.42	4.45	4.73	4.01	4.14	4.40	4.45	4.75
				Modelled Flow (cumecs)	1.70	1.72	1.78	1.82	2.20	1.79	1.84	1.91	1.93	2.24
3	ea013_Wirral_2011_BIR_10361	323471	389623	Modelled Water Level (m aodN)	4.06	4.15	4.36	4.39	4.70	3.95	4.08	4.34	4.39	4.72
				Modelled Flow (cumecs)	1.69	1.72	1.78	1.81	2.19	1.79	1.84	1.90	1.94	2.23
4	ea013_Wirral_2011_BIR_10209	323469	389760	Modelled Water Level (m aodN)	4.05	4.14	4.35	4.38	4.70	3.95	4.08	4.34	4.39	4.72
				Modelled Flow (cumecs)	1.69	1.71	1.78	1.80	2.17	1.79	1.84	1.93	1.94	2.21
5	ea013_Wirral_2011_BIR_9871	323678	390020	Modelled Water Level (m aodN)	4.04	4.13	4.34	4.37	4.69	3.93	4.06	4.33	4.38	4.72
				Modelled Flow (cumecs)	2.61	2.76	3.23	3.39	4.49	2.72	2.93	3.34	3.46	4.64

Model data taken from Birket, Fender, and Arroe Brook Fluvial 2011
 AEP - Annual Exceedence Probability
 m aodN - metres above ordnance datum Newlyn
 cumecs - cubic metres per second

Notes: Climate Change Scenario - We do not hold climate change measurements at this location. For further guidance on climate change within the GMMC area please see the attachment 'Flood risk assessments: Climate change allowances'. Particularly section 3, table B which shows the Local precautionary allowances for potential climate change impacts.

Flood Defences

Start Date	Asset Type	Asset ID	Standard of Protection	Upstream Actual Crest Level (m aod)	Downstream Actual Crest Level (m aod)
01/01/1980	Embankment	398854	200	7.29	9.04
01/01/1997	High Ground	59589	100	4.05	4.43
01/01/1997	High Ground	123848	100	3.62	5.07
01/01/1997	High Ground	122774	100	4.43	3.62
01/01/1997	High Ground	122776	100	2.5	4.05

tchboard) or email ifa@wirral.gov.uk if you require such information.