

Map Reference	Model Name Reference	Existing	Northings	Data	Undersized										Defenset													
					50 % AEP (1 in 2 years)	20 % AEP (1 in 5 years)	10 % AEP (1 in 10 years)	5 % AEP (1 in 20 years)	2 % AEP (1 in 50 years)	1.33 % AEP (1 in 75 years)	1 % AEP (1 in 100 years)	1% AEP (1 in 100 years) Plus 44% Climate Change	1% AEP (1 in 100 years) Plus 57% Climate Change	1% AEP (1 in 100 years) Plus 90% Climate Change	0.5 % AEP (1 in 200 years)	0.1 % AEP (1 in 1000 years)	50 % AEP (1 in 2 years)	20 % AEP (1 in 5 years)	10 % AEP (1 in 10 years)	5 % AEP (1 in 20 years)	2 % AEP (1 in 50 years)	1.33 % AEP (1 in 75 years)	1 % AEP (1 in 100 years)	1% AEP (1 in 100 years) Plus 44% Climate Change	1% AEP (1 in 100 years) Plus 57% Climate Change	1% AEP (1 in 100 years) Plus 90% Climate Change	0.5 % AEP (1 in 200 years)	0.1 % AEP (1 in 1000 years)
1	e0013_0270_METH_00522	345622	386837	Modelled Water Level (m aodN)	7.54	7.79	7.92	8.15	8.40	8.48	8.54	8.79	8.93	8.95	8.96	8.93	8.91	7.54	7.79	7.92	8.15	8.40	8.48	8.54	8.79	8.93	8.95	8.91
				Modelled Flow (cumecs)	14.66	18.95	21.96	25.21	30.84	33.66	35.09	38.44	39.08	39.62	37.21	35.77	14.66	18.96	21.96	25.21	30.84	33.70	35.11	38.49	39.62	37.25	35.84	
2	e0013_0270_METH_00130	345651	396464	Modelled Water Level (m aodN)	7.02	7.30	7.49	7.66	7.80	8.04	8.14	8.34	8.40	8.48	8.28	8.46	7.02	7.30	7.49	7.66	7.80	8.04	8.14	8.34	8.40	8.48	8.28	8.46
				Modelled Flow (cumecs)	15.23	19.57	22.67	26.06	30.65	32.54	34.61	48.96	50.30	56.83	42.69	54.99	15.23	19.57	22.67	26.06	30.66	32.55	34.62	48.88	50.34	56.83	42.72	55.02
3	e0013_0270_DTTOL_4678	345923	386363	Modelled Water Level (m aodN)	6.60	6.67	7.00	7.24	7.23	7.20	7.27	8.20	8.24	8.20	7.64	8.00	6.60	6.67	7.00	7.24	7.23	7.24	7.20	7.27	7.69	8.20	7.64	8.10
				Modelled Flow (cumecs)	15.24	19.60	22.62	25.94	30.66	33.19	34.68	38.08	39.64	39.70	36.93	39.44	15.24	19.60	22.62	25.94	30.66	33.20	34.69	38.09	39.67	39.72	36.94	39.47
4	e0013_0270_DTTOL_4395	346089	386127	Modelled Water Level (m aodN)	6.44	6.71	6.86	6.96	7.15	7.26	7.34	7.88	8.09	8.23	7.62	8.19	6.44	6.71	6.86	6.96	7.15	7.26	7.34	7.88	8.09	8.23	7.62	8.19
				Modelled Flow (cumecs)	15.23	19.59	22.48	25.46	29.29	26.18	26.07	26.58	19.18	19.83	26.25	19.79	15.23	19.59	22.48	25.46	29.29	26.20	26.08	26.60	19.19	19.91	26.26	19.74

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					2 % AEP (1 in 50 years)	1.33 % AEP (1 in 75 years)	1 % AEP (1 in 100 years)	0.5 % AEP (1 in 200 years)	0.1 % AEP (1 in 1000 years)	1% AEP (1 in 100 years) Plus 44% Climate Change	1% AEP (1 in 100 years) Plus 57% Climate Change	1% AEP (1 in 100 years) Plus 90% Climate Change	2 % AEP (1 in 50 years)	1.33 % AEP (1 in 75 years)	1 % AEP (1 in 100 years)	0.5 % AEP (1 in 200 years)	0.1 % AEP (1 in 1000 years)	144	190	157
9	2D Levels	345525	386377	Modelled Water Level (m aodN)	8.96	9.01	9.01	9.03	9.04	9.03	9.03	9.04	8.96	9.01	9.01	9.03	9.04	9.03	9.04	9.03

Model data taken from: Netherley and Hainesford 2023
AEP - Annual Exceedence Probability
m aodN - metres above ordnance datum Newlyn
cumecs - cubic metres per second

Notes:

*Climate Change Scenario - 44%, 57% and 90% 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 (universality) of development determine the climate change allowances to consider in any flood risk assessment.

Map Reference	Model Name Reference	Existing	Northings	Data	Undersized										Defenset				
					5 % AEP (1 in 20 years)	1 % AEP (1 in 100 years)	0.1 % AEP (1 in 1000 years)	50 % AEP (1 in 2 years)	20 % AEP (1 in 5 years)	10 % AEP (1 in 10 years)	5 % AEP (1 in 20 years)	4 % AEP (1 in 25 years)	2 % AEP (1 in 50 years)	1.33 % AEP (1 in 75 years)	1 % AEP (1 in 100 years)	0.5 % AEP (1 in 200 years)	0.5% AEP (1 in 200) 2080 Climate Change Scenario (144)	0.5% AEP (1 in 200) 2115 Climate Change Scenario (190)	0.1 % AEP (1 in 1000 years)
5	e0013_0229_DTTOL_5022	345522	386608	Modelled Water Level (m aodN)	7.68	7.61	8.30	7.16	7.41	7.57	7.68	7.72	7.81	7.87	7.91	8.02	8.09	8.12	8.30
				Modelled Flow (cumecs)	7.30	7.26	8.15	8.15	7.09	7.68	8.15	7.24	7.48	7.91	8.02	7.72	7.95	7.14	7.22
6	e0013_0229_DTTOL_4676	345603	386362	Modelled Water Level (m aodN)	7.28	7.45	8.15	6.87	7.09	7.22	7.28	7.09	7.37	7.48	7.66	7.86	7.96	7.70	8.15
				Modelled Flow (cumecs)	7.55	7.41	7.07	7.09	7.06	6.88	7.09	7.09	7.09	7.06	6.97	7.56	8.15	8.15	
7	e0013_0229_DTTOL_4430	346000	386247	Modelled Water Level (m aodN)	7.03	7.20	8.15	6.67	6.88	6.97	7.05	7.07	7.17	7.26	7.32	7.48	7.56	7.62	8.15
				Modelled Flow (cumecs)	7.57	8.08	6.96	8.30	7.37	7.67	7.74	6.88	6.87	7.28	7.32	7.17	7.45	7.45	8.12
8	e0013_0229_DTTOL_4185	346145	386050	Modelled Water Level (m aodN)	6.80	7.26	8.15	6.50	6.89	6.83	6.96	7.34	7.24	7.24	7.47	7.56	7.61	8.15	
				Modelled Flow (cumecs)	7.61	7.31	6.83	7.15	7.68	7.62	7.65	7.03	7.25	6.30	7.47	7.26	6.69	6.67	7.81

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					1 % AEP (1 in 100 years)	0.1 % AEP (1 in 1000 years)	1 % AEP (1 in 100 years)	0.5 % AEP (1 in 200 years)	0.1 % AEP (1 in 1000 years)	0.5 % AEP (1 in 200 years)	0.1 % AEP (1 in 1000 years)	0.1 % AEP (1 in 1000 years)
9	2D Levels	345525	386377	Modelled Water Level (m aodN)	7.81	8.27	7.81	7.95	8.27			

Model data taken from: Otton Brook 2016
AEP - Annual Exceedence Probability
m aodN - metres above ordnance datum Newlyn
cumecs - cubic metres per second

Notes:

For Otton Brook, climate change levelled.
0.5% AEP extreme tidal downstream boundary plus climate change 2085 (<0.252m).
0.5% AEP extreme tidal downstream boundary plus climate change 2115 (<0.059m)