					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) + 35% 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)	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) + 35% 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)
1	ea013_0243_MERS04_0066	383290	390247	Modelled Water Level (m aodh)	27.53	27.83	27.99	28.12	28.17	28.35	28.45	28.52	29.08	29.16	29.67	28.72	29.77	28.06	28.57	28.70	29.00	29.06	29.17	29.20	29.35	29.80	29.86	30.09	29.45	30.13
				Modelled Flow (cumecs)	170.31	219.58	249.56	272.53	279.01	290.16	295.36	298.33	306.05	311.85	316.56	304.68	319.00	185.09	234.74	247.83	280.94	287.51	300.40	303.66	305.80	313.98	315.37	321.60	310.85	325.71
2	ea013_0243_MERS03_34591	383218	390628	Modelled Water Level (m aodh)	27.09	27.20	27.23	27.27	27.34	27.61	27.78	27.90	28.72	28.82	29.31	28.22	29.44	27.82	28.33	28.46	28.76	28.82	28.93	28.98	29.14	29.58	29.64	29.81	29.24	29.84
				Modelled Flow (cumecs)	172.19	222.52	254.12	277.34	282.92	297.09	302.67	306.18	322.89	324.47	333.99	313.92	348.05	184.07	234.61	247.50	280.57	287.31	300.16	303.63	305.86	319.63	322.12	330.33	310.69	335.80
3	ea013_0243_MERS03_2863	383427	391171	Modelled Water Level (m aodh)	26.61	26.75	26.99	27.27	27.36	27.64	27.82	27.94	28.76	28.86	29.35	28.26	29.45	27.42	27.94	28.07	28.38	28.44	28.55	28.61	28.74	29.02	29.05	29.44	28.81	29.58
				Modelled Flow (cumecs)	136.46	149.65	154.71	158.65	160.00	163.25	165.10	166.32	175.96	178.29	269.66	189.33	288.35	184.25	233.96	247.33	280.21	287.35	300.02	307.61	330.00	406.27	416.00	449.10	347.83	458.57
4	ea013_0243_MERS03_0985	382742	391065	Modelled Water Level (m aodh)	25.61	26.11	26.42	26.69	26.77	27.04	27.20	27.31	28.29	28.45	29.13	27.63	29.24	25.89	26.39	26.51	26.83	26.89	27.00	27.06	27.19	28.03	28.39	29.28	27.26	29.42
				Modelled Flow (cumecs)	169.81	218.56	253.85	286.83	298.58	334.82	356.58	372.83	426.58	427.16	429.78	412.36	430.61	183.99	233.29	247.10	280.09	286.99	299.79	306.46	323.18	417.00	422.07	431.83	332.03	433.63

Model data taken from Upper Mersey 2017

AEP - Annual Exceedence Probability

m aodh - 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.

Recorded Flood Outlines

Flood Event Code	Name	Start Date	End Date	Source of Flooding	Cause of Flooding
18123	Mers	01/01/1964	02/01/1964	Unknown	Unknown