					Undefended																																					
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) + 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_0243_MR5914_44530	389254	389408	**Modelled Water Level (m ausDN)**	31.63	32.20	32.44	32.61	32.66	32.87	32.99	33.08	33.72	33.96	34.50	35.31	34.64	35.42	30.90	32.54	33.76	33.09	33.20	33.37	33.60	33.89	34.26	34.34	34.86	33.88	35.30	35.62
				Modelled Flow (cumecs)	183.98	232.24	269.29	299.79	308.37	347.22	369.68	388.79	490.81	497.59	515.08	435.19	518.87	329.77	184.07	243.17	271.74	312.08	323.15	361.89	391.07	390.48	407.98	485.42	520.73	416.15	521.46	543.04
2	ea013_0243_MR5914_4089	389490	389355	**Modelled Water Level (m ausDN)**	31.53	31.83	31.99	32.10	32.13	32.25	32.32	32.37	32.47	32.73	33.04	32.49	33.11	33.52	31.75	32.25	32.43	32.73	32.82	33.06	33.16	33.23	33.65	33.69	33.89	33.38	33.94	34.21
				Modelled Flow (cumecs)	183.94	232.21	269.16	299.21	307.61	345.95	368.64	384.95	494.96	510.93	587.48	430.07	604.94	728.95	184.00	242.47	271.70	311.25	323.24	361.90	392.82	390.06	468.83	508.46	588.81	423.25	611.98	744.14
3	ea013_0243_MR5914_3613	389453	389387	**Modelled Water Level (m ausDN)**	31.18	31.54	31.71	31.82	31.85	31.96	32.01	32.05	32.33	32.39	32.74	32.16	32.82	33.28	31.41	31.90	32.03	32.33	32.42	32.64	32.73	32.78	33.19	33.23	33.40	32.98	33.43	33.61
				Modelled Flow (cumecs)	188.09	185.60	218.77	239.75	248.50	272.05	291.12	304.42	397.60	411.05	465.08	347.70	462.22	585.68	183.82	243.17	271.82	311.28	323.32	361.93	392.77	390.08	477.39	493.37	557.13	422.73	578.81	688.89
4	ea013_0243_MR5914_21674	389434	389413	**Modelled Water Level (m ausDN)**	30.93	30.95	31.16	31.31	31.35	31.52	31.61	31.65	32.03	32.07	32.54	31.80	32.63	33.09	31.04	31.54	31.67	31.98	32.07	32.27	32.35	32.40	32.96	33.00	33.23	32.69	33.27	33.55
				Modelled Flow (cumecs)	184.18	221.75	241.91	256.27	260.09	274.46	283.31	294.84	343.97	359.83	398.09	314.39	411.23	530.52	185.08	235.66	248.76	285.74	297.26	332.62	361.18	364.23	434.64	443.67	482.69	384.86	496.98	559.10

					Undefended																																					
Map Reference	Model Node Reference	Easting	Northing	Data	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	1 % AEP(1 in 100 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
5	20 Level	394546	389643	**Modelled Water Level (m ausDN)**	31.71	31.71	31.72	32.05	32.14	32.61	31.74	32.70	33.20	31.74	33.93	32.11	33.11
6		394529	389544	**Modelled Water Level (m ausDN)**	31.50	31.50	31.50	32.05	32.15	32.61	31.68	32.71	33.20	31.51	31.91	32.10	33.11

Model data taken from Upper Mersey 2017 Study

AEP - Annual Exceedence Probability

m ausDN - metres above ordnance datum New lyn

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)
Unknown	High Ground	71380	75	30.52	29.63
01/01/2005	Embankment	122331	50	34.03	33.93
01/01/2005	Embankment	122332	100	34.27	33.93
Unknown	High Ground	146904	75	31.25	33.17
Unknown	High Ground	146905	75	29.63	29.22
Unknown	High Ground	146907	75	30.40	29.59
Unknown	Embankment	175224	75	30.73	30.92
Unknown	High Ground	175225	75	30.34	30.52
Unknown	High Ground	181014	75	31.25	30.63