					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	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) + 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)	0.1 % AEP (1 in 1000 year)+30% Increase in flow
1	ea013_SC50_CRN01_02500	364281	393618	Modelled Water Level (m asAN)	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.89	31.93	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.89	31.91
				Modelled Flow (cumecs)	3.02	3.68	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.97	3.97	3.97	3.97	3.97	3.68	3.96	3.96	3.96	3.96	3.96	3.96	3.96	3.97	3.97	3.97	3.98	3.99
2	ea013_SC50_CRN01_0000	364246	393653	Modelled Water Level (m asAN)	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.85	31.89	31.91
				Modelled Flow (cumecs)	3.02	3.68	3.96	3.96	3.96	3.96	3.96	3.96	3.97	3.97	3.97	3.97	4.24	4.75	3.02	3.68	3.96	3.96	3.96	3.96	3.96	3.96	3.97	3.97	3.97	4.24	4.75

					Undefended						Defended					
Map Reference	Model Node Reference	Easting	Northing	Data	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)	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) + 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)	0.1 % AEP (1 in 1000 year) + 30% Increase in flow
6	2D Levels	364309	393803	Modelled Water Level (m asAN)	32.23	32.24	32.28	32.17	32.35	32.34	32.22	32.23	32.28	32.15	32.32	32.34
7		364292	393811	Modelled Water Level (m asAN)	32.04	32.06	32.13	31.96	32.25	32.23	32.01	32.04	32.12	31.94	32.20	32.24
8		364268	393810	Modelled Water Level (m asAN)	32.04	32.06	32.13	31.96	32.18	32.22	32.01	32.04	32.12	31.94	32.18	32.22

Model data taken from Cringle Brook 2017 Study
AEP - Annual Exceedence Probability
m asAN - 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.

					Defended						Undefended							
Map Reference	Model Node Reference	Easting	Northing	Data	50 % AEP (1 in 2 year)	10 % AEP (1 in 10 year)	4 % AEP (1 in 25 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	0.1 % AEP (1 in 1000 year)	10 % AEP (1 in 10 year)	4 % AEP (1 in 25 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	0.1 % AEP (1 in 1000 year)
3	ea013_Model_CHOP01_4544	364427	393642	Modelled Water Level (m asAN)	30.64	31.06	31.29	31.49	31.53	31.71	31.74	31.92	31.92	31.06	31.29	31.49	31.52	31.66	31.87	31.83	31.84
				Modelled Flow (cumecs)	0.00	10.25	13.67	17.03	17.76	21.12	21.58	24.26	24.61	10.25	13.64	17.00	17.72	21.16	21.60	23.72	23.83
4	ea013_Model_CHOP01_4319	363902	393929	Modelled Water Level (m asAN)	30.10	30.59	30.79	30.93	30.96	31.12	31.15	31.35	31.36	30.59	30.77	30.93	30.96	31.07	31.10	31.28	31.31
				Modelled Flow (cumecs)	0.00	10.25	13.67	17.03	17.76	21.10	21.52	24.57	24.84	10.25	13.64	17.00	17.71	20.22	20.43	23.43	23.62
5	ea013_Model_CHOP01_4057c	363543	393797	Modelled Water Level (m asAN)	27.29	27.63	28.07	28.66	29.09	30.50	30.61	31.01	31.03	27.63	28.06	28.87	29.08	30.34	30.52	30.90	30.96
				Modelled Flow (cumecs)	0.00	10.28	13.69	17.03	17.73	20.88	21.24	22.30	22.41	10.28	13.67	17.00	17.69	20.06	20.27	21.11	21.17

					Undefended	Defended
Map Reference	Model Node Reference	Easting	Northing	Data	0.1 % AEP (1 in 1000 year)	0.1 % AEP (1 in 1000 year)
6	2D Levels	364309	393803	Modelled Water Level (m asAN)		
7		364292	393811	Modelled Water Level (m asAN)	32.22	32.22
8		364268	393810	Modelled Water Level (m asAN)	32.22	32.22

Model data taken from Chorlton Flats Gore 2012 Study
AEP - Annual Exceedence Probability
m asAN - 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.

Road Defences

Start Date	Asset Type	Asset ID	Standard of Protection	Upstream Actual Crest Level (m asAN)	Downstream Actual Crest Level (m asAN)
01/01/1996	Embankment	32515	100	31.30	30.29
01/01/1996	Embankment	60038	100	31.63	31.39