

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)	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) + Climate Change*	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_0204_SETT01_2437	403998	386765	Modelled Water Level (m aodN)	191.69	191.86	191.99	192.11	192.32	192.43	192.53	192.70	192.75	192.77	192.86	192.70	192.84
				Modelled Flow (cumecs)	11.48	16.08	19.84	23.89	30.75	34.22	37.01	43.58	46.45	47.88	59.42	43.63	65.96
2	ea013_0204_SETT01_2284	403854	386810	Modelled Water Level (m aodN)	189.89	190.07	190.21	190.28	190.36	190.38	190.40	190.44	190.51	190.52	190.60	190.44	190.57
				Modelled Flow (cumecs)	11.48	16.07	19.83	20.73	20.79	20.80	20.81	20.83	20.79	21.00	23.03	20.83	22.95
3	ea013_0204_SETT01_2105	403745	386923	Modelled Water Level (m aodN)	187.71	187.97	188.16	188.31	188.44	188.49	188.53	188.62	188.67	188.69	188.95	188.62	189.10
				Modelled Flow (cumecs)	11.47	16.07	19.81	23.01	25.63	26.79	27.75	29.84	30.97	31.41	32.85	29.89	32.51
4	ea013_0204_SETT01_2053	403721	386971	Modelled Water Level (m aodN)	186.49	186.59	186.68	186.75	186.86	186.92	186.96	187.04	187.08	187.10	187.25	187.04	187.32
				Modelled Flow (cumecs)	11.48	16.06	19.81	23.57	30.16	33.50	36.17	41.89	45.22	46.78	59.42	42.06	64.39
5	ea013_0204_SETT01_2012	403702	386994	Modelled Water Level (m aodN)	186.19	186.31	186.39	186.47	186.59	186.65	186.69	186.78	186.83	186.85	187.02	186.78	187.10
				Modelled Flow (cumecs)	11.48	16.08	19.81	23.49	29.53	32.45	34.74	39.57	42.29	43.55	54.07	39.70	58.93

Model data taken from River Sett at Hayfield and New Mills 2015

AEP - Annual Exceedence Probability

m aodN - 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.