TITLE Chippenham & Calne Mapping & Modelling Study 2016
MODEL DATE 08/11/2016
SOFTWARE Flood Modeller Pro-TUFLOW

SCENARIO Defended

NODE	1221_9522	1221_9552d	1221_9552u	1221_9560	1221_9599d	1221_9605	1221_9703
WATERCOURSE	Avon and tributaries	Avon and tributaries	Avon and tributaries	Avon and tributaries	Avon and tributaries	Avon and tributaries	Avon and tributaries
2YR Level	65.82	65.94	66.20	66.23	66.35	66.39	66.50
2YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
5YR Level	65.99	66.10	66.33	66.37	66.50	66.54	66.67
5YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
10YR Level	66.13	66.23	66.47	66.50	66.63	66.66	66.80
10YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
20YR Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
20YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
20YR 20%CC Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
20YR 20%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
25YR Level	66.28	66.37	66.62	66.65	66.76	66.80	66.94
25YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
30YR Level	66.32	66.40	66.65	66.68	66.79	66.82	66.97
30YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
50YR Level	66.40	66.47	66.73	66.76	66.86	66.89	67.04
50YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
75YR Level	66.48	66.56	66.82	66.87	66.94	66.97	67.12
75YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR Level	66.53	66.61	66.88	66.93	66.99	67.02	67.18
100YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR 20%CC Level	66.65	66.73	67.03	67.09	67.13	67.16	67.33
100YR 20%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR 30%CC Level	66.76	66.84	67.15	67.22	67.25	67.27	67.43
100YR 30%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR 40%CC Level	66.88	66.98	67.26	67.32	67.33	67.35	67.53

100YR 40%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR 85%CC Level	67.18	67.29	67.48	67.47	67.49	67.50	67.74
100YR 85%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
200YR Level	66.64	66.72	67.01	67.07	67.11	67.13	67.30
200YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
200YR 20%CC Level	66.89	66.98	67.26	67.32	67.33	67.35	67.54
200YR 20%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
500YR Level	66.92	67.01	67.29	67.34	67.35	67.37	67.56
500YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
1000YR Level	67.10	67.21	67.43	67.44	67.44	67.46	67.69
1000YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
1000YR 20%CC Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
1000YR 20%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
TIDE 200YR	NMD	NMD	NMD	NMD	NMD	NMD	NMD
TIDE 1000YR	NMD	NMD	NMD	NMD	NMD	NMD	NMD
Eastings	399749	399761	399761	399761	399757	399758	399747
Northings	170780	170804	170809	170814	170852	170860	170955

SCENARIO **Undefended**

NODE	1221_9522	1221_9552d	1221_9552u	1221_9560	1221_9599d	1221_9605	1221_9703
WATERCOURSE	Avon and tributaries	Avon and tributaries	Avon and tributaries	Avon and tributaries	Avon and tributaries	Avon and tributaries	Avon and tributaries
2YR Level	65.82	65.94	66.20	66.23	66.35	66.39	66.50
2YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
5YR Level	65.99	66.10	66.33	66.37	66.50	66.54	66.67
5YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
10YR Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
10YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
20YR Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
20YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
20YR 20%CC Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
20YR 20%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
25YR Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
25YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
30YR Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
30YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
50YR Level	66.40	66.47	66.73	66.76	66.86	66.89	67.04
50YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
75YR Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
75YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR Level	66.53	66.60	66.88	66.93	66.99	67.01	67.17
100YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR 20%CC Level	66.68	66.76	67.06	67.12	67.16	67.18	67.36
100YR 20%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR 30%CC Level	66.78	66.86	67.17	67.23	67.25	67.27	67.45
100YR 30%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR 40%CC Level	66.89	66.99	67.27	67.32	67.33	67.35	67.54
100YR 40%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
100YR 85%CC Level	67.19	67.30	67.49	67.47	67.49	67.50	67.75
100YR 85%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
200YR Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD

200YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
200YR 20%CC Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
200YR 20%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
500YR Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
500YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
1000YR Level	67.11	67.21	67.43	67.44	67.45	67.46	67.69
1000YR Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
1000YR 20%CC Level	NMD	NMD	NMD	NMD	NMD	NMD	NMD
1000YR 20%CC Flow	NMD	NMD	NMD	NMD	NMD	NMD	NMD
TIDE 200YR	NMD	NMD	NMD	NMD	NMD	NMD	NMD
TIDE 1000YR	NMD	NMD	NMD	NMD	NMD	NMD	NMD
Eastings	399749	399761	399761	399761	399757	399758	399747
Northings	170780	170804	170809	170814	170852	170860	170955

Level of confidence	**Moderate**	The model was produced to assess our flood risk management assets and the results are fit for this purpose. We have MODERATE confidence in its input data, and subsequently its results. The reason that we have MODERATE confidence in the model and its results is because the model requires verification against a known flood event. You will need to contact our Partnership and Strategic Overview Team to discuss whether the flood levels from this model are suitable for your FRA or whether they require you to carry out further work to update the modelling.
NMD	No Modelled Data	
UNITS	LEVELS:	mAOD
	FLOW:	cumecs