

## 323163-WX selected nodes data extract

TITLE **Yate Chipping Sodbury 2016**  
 MODEL DATE **01/07/2016**  
 SOFTWARE **ISIS-TUFLOW**

SCENARIO **Defended**

NODE	FR21480	FR21720	FR21750	FR21880	FR21885	FR21960	FR22250
<b>WATERCOURSE</b>	Bristol Frome	Bristol Frome	Bristol Frome	Bristol Frome	Bristol Frome	Bristol Frome	Bristol Frome
<b>2YR Level</b>	90.87	91.39	91.48	91.63	91.63	91.74	92.22
<b>2YR Flow</b>	5.36	5.37	5.37	4.89	4.89	4.90	4.90
<b>5YR Level</b>	91.02	91.55	91.68	91.82	91.87	91.96	92.41
<b>5YR Flow</b>	6.69	6.69	6.70	6.30	6.30	6.32	6.35
<b>10YR Level</b>	91.14	91.66	91.81	91.94	91.99	92.06	92.53
<b>10YR Flow</b>	7.89	7.18	7.18	6.96	6.96	7.43	7.49
<b>20YR Level</b>	91.25	91.76	91.92	92.03	92.09	92.14	92.62
<b>20YR Flow</b>	9.06	7.70	7.69	7.38	7.38	8.36	8.65
<b>20YR 20%CC Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>20YR 20%CC Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>25YR Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>25YR Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>30YR Level</b>	91.33	91.82	91.99	92.09	92.13	92.17	92.67
<b>30YR Flow</b>	9.80	8.00	7.96	7.61	7.61	8.87	9.38
<b>50YR Level</b>	91.44	91.90	92.08	92.17	92.19	92.21	92.74
<b>50YR Flow</b>	10.69	8.26	8.24	7.87	7.87	9.67	10.47
<b>75YR Level</b>	91.59	91.99	92.16	92.23	92.24	92.24	92.79
<b>75YR Flow</b>	11.62	8.38	8.33	8.03	8.03	10.40	11.34
<b>100YR Level</b>	91.67	92.04	92.21	92.28	92.28	92.27	92.83
<b>100YR Flow</b>	12.30	8.39	8.33	8.15	8.15	10.91	12.01
<b>100YR 20%CC Level</b>	91.98	92.25	92.36	92.39	92.39	92.37	92.96
<b>100YR 20%CC Flow</b>	14.54	8.39	8.33	8.42	8.42	12.63	14.45
<b>100YR 30%CC Level</b>	92.12	92.35	92.42	92.44	92.44	92.43	92.99
<b>100YR 30%CC Flow</b>	15.66	8.36	8.31	8.50	8.50	13.15	15.54
<b>100YR 40%CC Level</b>	92.23	92.44	92.48	92.49	92.49	92.49	93.01

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<b>100YR 40%CC Flow</b>	16.59	8.36	8.30	8.56	8.56	13.48	16.47
<b>100YR 85%CC Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>100YR 85%CC Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>200YR Level</b>	91.93	92.22	92.34	92.37	92.37	92.36	92.94
<b>200YR Flow</b>	14.18	8.37	8.31	8.41	8.41	12.43	14.06
<b>200YR 20%CC Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>200YR 20%CC Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>500YR Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>500YR Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>1000YR Level</b>	92.48	92.63	92.65	92.67	92.67	92.62	93.05
<b>1000YR Flow</b>	17.55	8.30	8.24	8.82	8.82	13.96	18.94
<b>1000YR 20%CC Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>1000YR 20%CC Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>TIDE 200YR</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>TIDE 1000YR</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>Eastings</b>	373140	373316	373340	373421	373421	373442	373557
<b>Northings</b>	182473	182635	182660	182619	182617	182538	182271

## 323163-WX selected nodes data extract

SCENARIO

Undefended

NODE	FR21480	FR21720	FR21750	FR21880	FR21885	FR21960	FR22250
<b>WATERCOURSE</b>	Bristol Frome	Bristol Frome	Bristol Frome	Bristol Frome	Bristol Frome	Bristol Frome	Bristol Frome
<b>2YR Level</b>	90.87	91.39	91.48	91.63	91.63	91.74	92.22
<b>2YR Flow</b>	5.37	5.37	5.37	4.90	4.90	4.90	4.90
<b>5YR Level</b>	91.02	91.55	91.68	91.82	91.87	91.96	92.41
<b>5YR Flow</b>	6.69	6.69	6.70	6.30	6.30	6.32	6.35
<b>10YR Level</b>	91.14	91.66	91.81	91.94	91.99	92.06	92.52
<b>10YR Flow</b>	7.89	7.18	7.18	6.96	6.96	7.43	7.49
<b>20YR Level</b>	91.25	91.76	91.92	92.03	92.09	92.14	92.62
<b>20YR Flow</b>	9.06	7.70	7.69	7.38	7.38	8.36	8.66
<b>20YR 20%CC Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>20YR 20%CC Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>25YR Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>25YR Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>30YR Level</b>	91.32	91.82	91.99	92.09	92.13	92.17	92.67
<b>30YR Flow</b>	9.83	8.02	7.98	7.61	7.61	8.87	9.38
<b>50YR Level</b>	91.42	91.90	92.08	92.17	92.19	92.21	92.74
<b>50YR Flow</b>	10.71	8.29	8.26	7.87	7.87	9.66	10.47
<b>75YR Level</b>	91.55	91.97	92.15	92.22	92.24	92.24	92.79
<b>75YR Flow</b>	11.56	8.40	8.35	8.03	8.03	10.40	11.34
<b>100YR Level</b>	91.64	92.04	92.21	92.27	92.28	92.27	92.83
<b>100YR Flow</b>	12.37	8.44	8.38	8.15	8.15	10.91	12.01
<b>100YR 20%CC Level</b>	91.92	92.23	92.35	92.38	92.38	92.37	92.96
<b>100YR 20%CC Flow</b>	14.66	8.45	8.38	8.42	8.42	12.64	14.42
<b>100YR 30%CC Level</b>	92.06	92.33	92.41	92.43	92.43	92.42	92.99
<b>100YR 30%CC Flow</b>	15.91	8.43	8.37	8.50	8.50	13.16	15.53
<b>100YR 40%CC Level</b>	92.18	92.42	92.46	92.48	92.47	92.47	93.01
<b>100YR 40%CC Flow</b>	16.86	8.43	8.37	8.57	8.57	13.49	16.49
<b>100YR 85%CC Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>100YR 85%CC Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>200YR Level</b>	91.88	92.20	92.33	92.37	92.37	92.35	92.94

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<b>200YR Flow</b>	14.27	8.45	8.39	8.41	8.41	12.44	14.06
<b>200YR 20%CC Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>200YR 20%CC Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>500YR Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>500YR Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>1000YR Level</b>	92.47	92.63	92.64	92.67	92.66	92.62	93.05
<b>1000YR Flow</b>	17.71	8.39	8.33	8.82	8.82	13.98	18.95
<b>1000YR 20%CC Level</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>1000YR 20%CC Flow</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>TIDE 200YR</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>TIDE 1000YR</b>	NMD	NMD	NMD	NMD	NMD	NMD	NMD
<b>Eastings</b>	373140	373316	373340	373421	373421	373442	373557
<b>Northings</b>	182473	182635	182660	182619	182617	182538	182271

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<b>Level of confidence</b>	<b>Moderate</b>	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.
<b>NMD</b>	No Modelled Data	
<b>UNITS</b>	LEVELS:	mAOD
	FLOW:	cumecs