2020s0696 Bradford SFRA Climate Change Modelling

River Wharfe Tribs - Backstone Model (ESTRY-TUF) 2021 Baseline DEF 100 1. Present day hydrology has been roepied and uplifted by the appropriate % increase. 2. Model has been re-run using files provided and default parameters. 3. Upprocessed predicted 2D outputs have been used directly to define future climate change enhanced events. Climate Change DEF 100 23 Climate Change DEF 100 51 100 51 100 52 Climate Change DEF 100 23 Climate Change DEF 100 33 51 100 23 Climate Change DEF 100 30 51 100 100	Model	Run Type	Scenario	Return period	Uplift %	Climate change enhanced outputs have been produced for the study by adopting the below approach:
River Wharfe Tribs - Backstone Model (ESTRY-TUF) 2021 River Wharfe Tribs - Backstone Model (ESTRY-TUF) 2021 Baseline DEF DEF DEF DEF DEF DEF DEF DE						
River Wharfe Tribs - Backstone Model (ESTRY-TUF) 2021 Climate Change DEF DEF DEF DEF DEF DEF DEF DE	River Wharfe Tribs - Backstone Model (ESTRY-TUF) 2021	Baseline	DEF	10	-	
Climate Change DEF 100 31 100 51 1000 51 River Wharfe Tribs - Town Model (FM-TUF) 2021 Baseline DEF 100 - Climate Change DEF 100 - Climate Change DEF 100 30 51 100 51 1						3. Unprocessed predicted 2D outputs have been used directly to define future climate change enhanced events.
Climate Change DEF 100 31 100 51 100		Climate Change				
River Wharfe Tribs - Town Model (FM-TUF) 2021 Baseline DEF 100 30 51 100 23 Climate Change DEF 100 31 100 51 51						
River Wharfe Tribs - Town Model (FM-TUF) 2021 River Wharfe Tribs - Town Model (FM-TUF) 2021 Baseline DEF 100 30 51 100 23 Climate Change DEF 100 31 100 51 1000 51 River Wharfe Tribs - Woodhead Beck (FM-TUF) 2021 Baseline DEF 100 - ** Note present day 1% AEP event output used as a proxy for future FZ3b as modelled area includes a 1D only component that is not mapped when the mode been re-run. Upstream section missed therefore decision made to use existing flood extents provided by the Environment Agency 100 23			DEF			
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	River Wharfe Tribs - Woodhead Beck (FM-TUF) 2021			3	51	been re-run. Upstream section missed therefore decision made to use existing flood extents provided by the Environment Agency
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Baseline UNDEF 100 - ** Note present day 1% AEP event output used as a proxy for future FZ3b.	River Wharfe Catchment (FM-ESTRY-TUFLOW)	Baseline	UNDEF			
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River Worth (FM) 2007 Subject to a proxy approach - see Appendix D for further details						
Bradford Beck Subject to a proxy approach based on the Flood Map for Planning due to set-up issues preventing the model from being run and accuracy concerns - see Appendix D for further details						et-up issues preventing the model from being run and accuracy concerns - see Appendix D for further details
Esholt to Rodley Subject to a proxy approach - see Appendix D for further details	Esholt to Rodley	Subject to a proxy approach - see Appendix D for further details				