

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	Baseline	DEF	100	-	1. Present day hydrology has been copied and uplifted by the appropriate % increase. 2. Model has been re-run using files provided and default parameters. 3. Unprocessed predicted 2D outputs have been used directly to define future climate change enhanced events.
	Climate Change	DEF	30	51	
			100	23	
			100	31	
			100	51	
1000	51				
River Wharfe Tribs - Town Model (FM-TUF) 2021	Baseline	DEF	100	-	
	Climate Change	DEF	30	51	
			100	23	
			100	31	
			100	51	
1000	51				
River Wharfe Tribs - Woodhead Beck (FM-TUF) 2021	Baseline	DEF	100	-	
	Climate Change	DEF	30	51	
			100	23	
			100	31	
			100	51	
1000	51				
Upper Aire Tribs - Silsden (FM-TUF) 2021	Baseline	UNDEF	30	-	
	Climate Change	UNDEF	100	-	
			30	51	
			100	23	
			100	31	
1000	51				
Upper Aire Tribs - Morton (ESTRY-TUF) 2021	Baseline	UNDEF	100	-	
	Climate Change	UNDEF	30	51	
			100	23	
			100	31	
			100	51	
1000	51				
Upper Aire Tribs - Nab Wood (ESTRY-TUF) 2021	Baseline	UNDEF	100	-	
	Climate Change	UNDEF	30	51	
			100	23	
			100	31	
			100	51	
1000	51				
River Wharfe Catchment (FM-ESTRY-TUFLOW)	Baseline	UNDEF	100	-	** Note present day 1% AEP event output used as a proxy for future FZ3b.
	Climate Change	UNDEF	50	51	
			100	23	
			100	31	
100	51				
Kildwick to Esholt 2020	Baseline	DEF	30	-	
	Climate Change	DEF	100	-	
			1000	-	
			30	51	
			100	23	
100	31				
100	51				
1000	51				
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				
Esholt to Rodley	Subject to a proxy approach - see Appendix D for further details				