

Appendix B

Required and Available volumes for floodplain compensation within each elevation slice (range)

	The Clappers to the A21 - volume of embankment accounting for the maximum flood level 1% AEP with 105% Climate Change allowance			The A21 to Moat Farm - volume of embankment accounting for the maximum flood level 1% AEP with 105% Climate Change allowance			Moat Farm to Austins Bridge - volume of embankment accounting for the maximum flood level 1% AEP with 105% Climate Change allowance			Austins Bridge to Junction - volume of embankment accounting for the maximum flood level 1% AEP with 105% Climate Change allowance			Total required floodplain compensation storage, Volume, m3	Available volume at locations identified up to maximum flood level 1% AEP with 105% Climate Change allowance, m3	Sub total of available volume at locations identified up to the maximum flood level 1% AEP with 105% Climate Change allowance, m3	Difference between available and required volumes for floodplain compensation storage, m3
Total required storage, m3			2483			1843			1150			434	5909		39853	33944
Elevation range, mAOD	Volume, with railway, m3	Volume, Existing, m3	Difference in Volume, m3	Volume, with railway, m3	Volume, Existing, m3	Difference in Volume, m3	Volume, with railway, m3	Volume, Existing, m3	Difference in Volume, m3	Volume, with railway, m3	Volume, Existing, m3	Difference in Volume, m3				
10.93 to 11.23	334	147	187	36	36	0							187	480		293
10.63 to 10.93	605	218	387	70	70	0							387	526		139
10.33 to 10.63	726	272	454	154	153	0							454	637		182
10.03 to 10.33	828	316	512	315	203	111							623	996		372
9.73 to 10.03	1049	458	591	531	226	305							896	2127		1231
9.43 to 9.73	1549	1217	332	749	268	481							813	2908	7673	2095
9.13 to 9.43	2170	2149	20	1144	712	431							451	229		-222
8.83 to 9.13	2378	2378	0	2636	2611	25							25	1268		1243
8.53 to 8.83				4890	4740	150							150	1322		1172
8.23 to 8.53				7043	6821	222							222	1341		1120
7.93 to 8.23				9285	9391	-106	0	27	-27				-133	891		1024
7.63 to 7.93				10400	10419	-19	10	395	-385				-404	897		1300
7.33 to 7.63				11542	11312	229	762	870	-108				121	1020		899
7.03 to 7.33				12010	11997	13	2020	1922	99				112	378		266
6.73 to 7.03							3498	3215	283				283	642		359
6.43 to 6.73							5199	4670	530				530	912		382
6.13 to 6.43							6408	5994	414	17	1	16	430	1448		1018
5.83 to 6.13							7480	7259	221	115	34	81	301	2896		2594
5.53 to 5.83							8282	8213	70	267	151	116	186	4726		4541
5.23 to 5.53							8842	8812	31	527	491	37	68	4270		4202
4.93 to 5.23							9219	9198	22	1290	1197	93	114	2541		2427
4.63 to 4.93							9376	9374	2	1823	1806	17	18	2684		2666
4.33 to 4.63										2276	2229	47	47	2713		2666
4.03 to 4.33										1711	1683	27	27	2003	32180	1975