



Appendix 19-P2-1: Part 2 Predicted Construction Noise Levels

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Appendix 19-P2-1: Part 2 Predicted Construction Noise Levels

1. Introduction

- 1.1.1 This appendix lists the predicted construction noise levels for Part 2 of the Proposed Development.

2. Predicted Construction Noise Levels

- 2.1.1 **Table 1** provides the predicted noise levels from construction of the Atherstone Outfall Structure.
- 2.1.2 **Table 2** provides the predicted noise levels from construction of the Hawkesbury Pumped Bypass.
- 2.1.3 **Table 3** provides the predicted noise levels from construction of the Hillmorton Pumped Bypass.
- 2.1.4 **Table 4** provides the predicted noise levels from construction of the Braunston Pumped Bypass.
- 2.1.5 **Table 5** provides the predicted noise levels from construction of the Fenny Stratford Pumped Bypass.
- 2.1.6 **Table 6** provides the predicted noise levels from construction of the Long Buckby (Locks 7 to 9) and Whilton Locks (Locks 10 to 13).
- 2.1.7 **Table 7** provides the predicted noise levels from construction of the Stoke Bruerne Locks (Locks 14 to 15).
- 2.1.8 **Table 8** provides the predicted noise levels from construction of the River Tove Locks (Lock 16-20).
- 2.1.9 **Table 9** provides the predicted noise levels from construction of the Cosgrove Lock (Lock 21).
- 2.1.10 **Table 10** provides the predicted noise levels from construction of the South Cosgrove Transfer Lock (Option 1).
- 2.1.11 **Table 11** provides the predicted noise levels from construction of the Cosgrove Transfer Lock (Option 2).
- 2.1.12 **Table 12** provides the predicted noise levels from construction of the Springwood Transfer Lock (Option 1).

- 2.1.13 **Table 13** provides the predicted noise levels from construction of the Springwood Transfer Lock (Option 2).
- 2.1.14 **Table 14** provides the predicted noise levels from construction of the Grimes Bridge Transfer Lock.
- 2.1.15 **Table 15** provides the predicted noise levels from construction of the Dodford Road Transfer Lock.
- 2.1.16 **Table 16** provides the predicted noise levels from modifications of Bridge 88.
- 2.1.17 For bank raising works a non-location specific 3-dimensional noise model was constructed using CadnaA 2025 acoustic modelling software. This model was used to predict noise levels at receptor locations at various nominal distances from the works on different days as the works progress along the canal route. The predictions exceeding the most stringent criterion of 65 dB $L_{Aeq,10hr}$ and therefore considered Moderate or Major impacts are highlighted **bold red**.
- 2.1.18 **Table 17** provides the predicted noise levels from construction of the bank raising works.

Table 1: Predicted Noise Levels from Construction of Atherstone Outfall Structure

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)			Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Stage1	Stage2	Stage3		
ATH_OUT_003	Residential	430897	297101	A	65	74	75	69	75	Major
ATH_OUT_004	Residential	430893	297097	A	65	75	77	71	77	Major
ATH_OUT_005	Residential	430917	297094	A	65	74	75	70	75	Major
ATH_OUT_006	Residential	430921	297091	A	65	74	75	69	75	Major
ATH_OUT_007	Residential	430901	297116	A	65	67	69	63	69	Moderate
ATH_OUT_008	Residential	430895	297121	A	65	68	69	64	69	Moderate
ATH_OUT_009	Residential	430929	297083	A	65	75	77	71	77	Major
ATH_OUT_010	Residential	430935	297079	A	65	75	76	70	76	Major
ATH_OUT_011	Residential	430940	297082	A	65	73	75	69	75	Major
ATH_OUT_012	Residential	430942	297086	A	65	64	66	60	66	Moderate
ATH_OUT_013	Residential	430959	297075	A	65	73	75	69	75	Major
ATH_OUT_014	Residential	430963	297070	A	65	73	74	69	74	Major
ATH_OUT_015	Residential	430969	297067	A	65	73	74	68	74	Major
ATH_OUT_016	Residential	430932	297111	A	65	65	66	60	66	Moderate
ATH_OUT_017	Residential	430933	297116	A	65	63	64	58	64	Minor
ATH_OUT_018	Residential	430958	297110	A	65	65	67	61	67	Moderate
ATH_OUT_019	Residential	430961	297108	A	65	66	67	61	67	Moderate
ATH_OUT_020	Residential	430964	297105	A	65	66	67	62	67	Moderate
ATH_OUT_021	Residential	430968	297103	A	65	66	67	62	67	Moderate
ATH_OUT_022	Residential	430971	297100	A	65	66	67	61	67	Moderate
ATH_OUT_023	Residential	430979	297095	A	65	64	66	60	66	Moderate
ATH_OUT_024	Residential	430982	297092	A	65	63	65	59	65	Minor
ATH_OUT_025	Residential	430985	297090	A	65	63	64	58	64	Minor
ATH_OUT_026	Residential	430988	297088	A	65	64	65	59	65	Minor
ATH_OUT_027	Residential	430992	297085	A	65	65	67	61	67	Moderate
ATH_OUT_028	Residential	430943	297122	A	65	59	60	54	60	Negligible
ATH_OUT_029	Residential	431000	297062	A	65	69	70	64	70	Moderate
ATH_OUT_030	Residential	431001	297069	A	65	67	69	63	69	Moderate
ATH_OUT_031	Residential	431004	297073	A	65	64	65	59	65	Minor
ATH_OUT_032	Residential	431006	297078	A	65	64	65	59	65	Minor
ATH_OUT_033	Residential	431015	297084	A	65	59	61	55	61	Minor
ATH_OUT_034	Residential	431005	297060	A	65	68	69	64	69	Moderate
ATH_OUT_035	Residential	431010	297057	A	65	68	69	63	69	Moderate
ATH_OUT_036	Residential	431014	297054	A	65	69	70	64	70	Moderate
ATH_OUT_037	Residential	431018	297052	A	65	69	70	64	70	Moderate
ATH_OUT_038	Residential	431023	297051	A	65	57	59	53	59	Negligible
ATH_OUT_039	Residential	431027	297049	A	65	65	66	60	66	Moderate

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)			Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Stage1	Stage2	Stage3		
ATH_OUT_040	Residential	431033	297056	A	65	54	55	49	55	Negligible
ATH_OUT_041	Residential	431037	297060	A	65	56	57	51	57	Negligible
ATH_OUT_042	Residential	431050	297033	A	65	65	66	60	66	Moderate
ATH_OUT_043	Residential	431054	297028	A	65	65	66	60	66	Moderate
ATH_OUT_044	Residential	431058	297025	A	65	64	65	60	65	Minor
ATH_OUT_045	Residential	431061	297022	A	65	64	65	59	65	Minor
ATH_OUT_046	Residential	431065	297018	A	65	61	62	56	62	Minor
ATH_OUT_047	Residential	431069	297014	A	65	58	59	54	59	Negligible
ATH_OUT_048	Residential	431073	297011	A	65	60	61	56	61	Minor
ATH_OUT_049	Residential	431080	296993	A	65	62	63	58	63	Minor
ATH_OUT_050	Residential	431084	296996	A	65	62	63	57	63	Minor
ATH_OUT_051	Residential	430785	297139	A	65	63	65	59	65	Minor
ATH_OUT_058	Residential	430913	297132	A	65	62	63	57	63	Minor
ATH_OUT_059	Residential	430917	297136	A	65	60	61	55	61	Minor
ATH_OUT_060	Residential	430922	297143	A	65	59	61	55	61	Minor
ATH_OUT_061	Residential	430926	297147	A	65	60	61	55	61	Minor
ATH_OUT_062	Residential	431045	297074	A	65	56	57	52	57	Negligible
ATH_OUT_063	Residential	431051	297069	A	65	56	58	52	58	Negligible
ATH_OUT_064	Residential	431056	297064	A	65	57	58	52	58	Negligible
ATH_OUT_065	Residential	431063	297057	A	65	55	56	50	56	Negligible
ATH_OUT_066	Residential	431087	296999	A	65	56	57	51	57	Negligible
ATH_OUT_067	Residential	431090	297002	A	65	53	54	48	54	Negligible
ATH_OUT_068	Residential	431089	297039	A	65	56	56	51	56	Negligible
ATH_OUT_069	Residential	431095	297033	A	65	55	56	50	56	Negligible
ATH_OUT_070	Residential	431002	296815	A	65	57	58	52	58	Negligible
ATH_OUT_071	Residential	431126	296803	A	65	54	55	49	55	Negligible
ATH_OUT_072	Residential	430774	296775	A	65	55	57	51	57	Negligible
ATH_OUT_091	Residential	430740	297180	A	65	57	58	53	58	Negligible
ATH_OUT_092	Residential	430743	297185	A	65	58	59	54	59	Negligible
ATH_OUT_093	Residential	430745	297189	A	65	59	61	55	61	Minor
ATH_OUT_094	Residential	430747	297194	A	65	60	61	55	61	Minor
ATH_OUT_095	Residential	430751	297199	A	65	58	59	54	59	Negligible
ATH_OUT_096	Residential	430754	297203	A	65	58	59	53	59	Negligible
ATH_OUT_097	Residential	430757	297206	A	65	57	58	53	58	Negligible
ATH_OUT_098	Non-residential	430761	297210	A	65	58	59	53	59	Negligible
ATH_OUT_099	Residential	430766	297215	A	65	55	56	50	56	Negligible
ATH_OUT_100	Residential	431101	296985	A	65	59	60	55	60	Negligible
ATH_OUT_101	Residential	431104	296981	A	65	60	61	55	61	Minor

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)			Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Stage1	Stage2	Stage3		
NL_PL_266	Residential	430798	297131	A	65	66	67	61	67	Moderate
NL_PL_265	Residential	430791	297135	A	65	64	66	60	66	Moderate
NL_PL_263	Residential	430779	297142	A	65	63	65	59	65	Minor
NL_PL_262	Residential	430771	297144	A	65	63	64	58	64	Minor
NL_PL_261	Residential	430766	297148	A	65	63	64	58	64	Minor
NL_PL_260	Residential	430759	297151	A	65	62	64	58	64	Minor
NL_PL_259	Residential	430753	297154	A	65	62	63	57	63	Minor
NL_PL_258	Residential	430747	297157	A	65	61	63	57	63	Minor
NL_PL_247	Residential	430737	297138	A	65	63	64	58	64	Minor
NL_PL_246	Residential	430731	297140	A	65	61	63	57	63	Minor
NL_PL_245	Residential	430727	297143	A	65	59	60	54	60	Negligible
NL_PL_244	Residential	430721	297145	A	65	59	60	54	60	Negligible
NL_PL_217	Residential	430680	297083	A	65	60	61	56	61	Minor
NL_PL_218	Residential	430682	297088	A	65	60	61	55	61	Minor
NL_PL_219	Residential	430684	297091	A	65	60	61	55	61	Minor
NL_PL_220	Residential	430687	297094	A	65	60	62	56	62	Minor
NL_PL_221	Residential	430689	297098	A	65	60	62	56	62	Minor
NL_PL_216	Residential	430677	297107	A	65	60	61	55	61	Minor
NL_PL_215	Residential	430672	297110	A	65	60	61	55	61	Minor
NL_PL_214	Residential	430667	297113	A	65	60	61	55	61	Minor
NL_PL_243	Residential	430712	297150	A	65	58	59	54	59	Negligible
NL_PL_242	Residential	430707	297152	A	65	57	59	53	59	Negligible
NL_PL_254	Residential	430731	297162	A	65	61	62	56	62	Minor
NL_PL_255	Residential	430733	297167	A	65	51	52	46	52	Negligible
NL_PL_256	Residential	430736	297171	A	65	52	53	48	53	Negligible
NL_PL_257	Residential	430738	297176	A	65	54	55	49	55	Negligible
Slacks Avenue - L11 mooring	Residential	430831	297133	A	65	64	66	60	66	Moderate

Table Note Explanations of each assessment scenario:

- a. Stage 1: Site preparation
- b. Stage 2: Pumping station wet well and the associated access road creation.
- c. Stage 3: Control building.

Table 2: Predicted Noise Levels from Construction of Hawkesbury Pumped Bypass

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
PB-HWK_001	Residential	436272	284692	A	65	71	67	71	Major
PB-HWK_002	Residential	436257	284681	A	65	72	69	72	Major

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
PB-HWK_003	Residential	436229	284658	A	65	78	74	78	Major
PB-HWK_004	Residential	436220	284650	A	65	80	74	80	Major
PB-HWK_005	Non-residential	436177	284621	A	65	65	65	65	Minor
PB-HWK_006	Non-residential	436169	284610	A	65	73	67	73	Major
PB-HWK_007	Non-residential	436156	284599	A	65	58	55	58	Negligible
PB-HWK_008	Residential	436181	284660	A	65	62	57	62	Minor
PB-HWK_009	Residential	436209	284675	A	65	60	57	60	Negligible
PB-HWK_010	Residential	436217	284694	A	65	53	52	53	Negligible
PB-HWK_011	Residential	436218	284701	A	65	58	54	58	Negligible
PB-HWK_012	Residential	436202	284682	A	65	59	60	60	Negligible
PB-HWK_013	Residential	436177	284665	A	65	65	58	65	Minor
PB-HWK_014	Non-residential	436213	284565	A	65	71	64	71	Major
PB-HWK_015	Residential	436149	284583	A	65	60	56	60	Negligible
PB-HWK_016	Residential	436152	284633	A	65	57	53	57	Negligible
PB-HWK_017	Residential	436157	284649	A	65	70	64	70	Moderate
PB-HWK_018	Residential	436160	284654	A	65	71	64	71	Major
PB-HWK_019	Residential	436168	284667	A	65	59	54	59	Negligible
PB-HWK_020	Residential	436197	284685	A	65	58	58	58	Negligible
PB-HWK_021	Residential	436646	284178	A	65	53	53	53	Negligible
PB-HWK_022	Residential	436626	284201	A	65	55	55	55	Negligible
PB-HWK_023	Residential	436600	284154	A	65	61	61	61	Minor
PB-HWK_024	Residential	436192	284693	A	65	58	56	58	Negligible
PB-HWK_025	Residential	436163	284673	A	65	65	58	65	Minor
PB-HWK_026	Residential	436187	284699	A	65	56	53	56	Negligible
PB-HWK_027	Residential	436159	284681	A	65	62	56	62	Minor
PB-HWK_028	Residential	436181	284704	A	65	56	55	56	Negligible
PB-HWK_029	Residential	436156	284686	A	65	63	57	63	Minor
PB-HWK_030	Residential	436175	284708	A	65	54	51	54	Negligible
PB-HWK_031	Residential	436148	284633	A	65	56	53	56	Negligible
PB-HWK_032	Residential	436144	284636	A	65	64	60	64	Minor
PB-HWK_033	Residential	436204	284535	A	65	66	62	66	Moderate
PB-HWK_034	Residential	436140	284671	A	65	63	58	63	Minor
PB-HWK_035	Residential	436137	284666	A	65	61	56	61	Minor
PB-HWK_036	Residential	436129	284645	A	65	54	49	54	Negligible
PB-HWK_037	Residential	436148	284690	A	65	56	51	56	Negligible
PB-HWK_038	Residential	436144	284694	A	65	60	53	60	Negligible
PB-HWK_039	Residential	436124	284682	A	65	58	52	58	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
PB-HWK_040	Residential	436169	284718	A	65	55	53	55	Negligible
PB-HWK_041	Residential	436127	284612	A	65	51	47	51	Negligible
PB-HWK_042	Residential	436121	284616	A	65	57	53	57	Negligible
PB-HWK_043	Residential	436115	284620	A	65	55	52	55	Negligible
PB-HWK_044	Residential	436110	284624	A	65	56	52	56	Negligible
PB-HWK_045	Residential	436104	284626	A	65	56	52	56	Negligible
PB-HWK_046	Residential	436099	284631	A	65	55	52	55	Negligible
PB-HWK_047	Residential	436125	284647	A	65	66	60	66	Moderate
PB-HWK_048	Residential	436122	284650	A	65	66	59	66	Moderate
PB-HWK_049	Residential	436128	284569	A	65	69	63	69	Moderate
PB-HWK_050	Residential	436115	284559	A	65	69	63	69	Moderate
PB-HWK_051	Residential	436105	284550	A	65	67	62	67	Moderate
PB-HWK_052	Non-residential	436171	284514	A	65	62	56	62	Minor
PB-HWK_053	Non-residential	436083	284589	A	65	57	53	57	Negligible
PB-HWK_054	Residential	436163	284721	A	65	55	49	55	Negligible
PB-HWK_055	Residential	436154	284727	A	65	55	52	55	Negligible
PB-HWK_056	Residential	436148	284734	A	65	54	51	54	Negligible
PB-HWK_057	Residential	436121	284688	A	65	56	52	56	Negligible
PB-HWK_058	Residential	436113	284691	A	65	58	53	58	Negligible
PB-HWK_059	Residential	436123	284704	A	65	57	52	57	Negligible
PB-HWK_060	Residential	436126	284707	A	65	58	53	58	Negligible
PB-HWK_061	Residential	436128	284711	A	65	60	53	60	Negligible
PB-HWK_062	Residential	436716	284242	A	65	46	46	46	Negligible
PB-HWK_063	Residential	436731	284256	A	65	52	51	52	Negligible
PB-HWK_066	Residential	436707	284272	A	65	50	49	50	Negligible
PB-HWK_065	Residential	436731	284289	A	65	40	38	40	Negligible
Hawkesbury Pump House Mooring	Residential	436307	284700	A	65	68	63	68	Moderate
Hawkesbury Junction Mooring	Residential	436341	284654	A	65	66	63	66	Moderate

Table Note - Explanations of each assessment scenario:

- a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well; and
- b. Structures Construction: Construction works of the site and compound establishment and the pumping station control building.

Table 3: Predicted Noise Levels from Construction of Hillmorton Pumped Bypass

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
PB_Hil_01	Residential	453747	274447	A	65	67	65	67	Moderate
PB_Hil_02	Residential	453677	274424	A	65	68	63	68	Moderate
PB_Hil_03	Residential	453794	274439	A	65	65	54	65	Minor
PB_Hil_04	Residential	453797	274431	A	65	65	55	65	Minor
PB_Hil_05	Residential	453795	274477	A	65	61	57	61	Minor
PB_Hil_06	Residential	453796	274482	A	65	63	61	63	Minor
PB_Hil_07	Residential	453796	274487	A	65	64	60	64	Minor
PB_Hil_08	Residential	453798	274495	A	65	67	64	67	Moderate
PB_Hil_09	Residential	453808	274500	A	65	63	59	63	Minor
PB_Hil_10	Residential	453812	274503	A	65	63	57	63	Minor
PB_Hil_11	Residential	453817	274452	A	65	60	54	60	Negligible
PB_Hil_12	Residential	453818	274457	A	65	59	53	59	Negligible
PB_Hil_13	Residential	453821	274422	A	65	63	49	63	Minor
PB_Hil_14	Residential	453782	274560	A	65	71	69	71	Major
PB_Hil_15	Residential	453811	274530	A	65	66	64	66	Moderate
PB_Hil_16	Residential	453825	274484	A	65	58	53	58	Negligible
PB_Hil_17	Residential	453806	274517	A	65	64	60	64	Minor
PB_Hil_18	Residential	453804	274524	A	65	63	58	63	Minor
PB_Hil_19	Residential	453772	274569	A	65	74	72	74	Major
PB_Hil_20	Residential	453823	274540	A	65	66	64	66	Moderate
PB_Hil_21	Residential	453808	274346	A	65	71	51	71	Major
PB_Hil_22	Residential	453803	274353	A	65	71	51	71	Major
PB_Hil_23	Residential	453577	274267	A	65	62	63	63	Minor
PB_Hil_24	Residential	453605	274238	A	65	53	52	53	Negligible
PB_Hil_25	Residential	453615	274230	A	65	51	49	51	Negligible
PB_Hil_26	Residential	453625	274221	A	65	49	45	49	Negligible
PB_Hil_27	Residential	453633	274215	A	65	49	44	49	Negligible
PB_Hil_28	Residential	453641	274209	A	65	50	44	50	Negligible
PB_Hil_29	Residential	453651	274204	A	65	50	44	50	Negligible
PB_Hil_30	Residential	453593	274243	A	65	53	53	53	Negligible
PB_Hil_31	Residential	453565	274267	A	65	62	62	62	Minor
PB_Hil_32	Residential	453555	274267	A	65	61	61	61	Minor
PB_Hil_33	Residential	453545	274265	A	65	58	57	58	Negligible
PB_Hil_34	Residential	453660	274195	A	65	50	44	50	Negligible
PB_Hil_35	Residential	453707	274170	A	65	50	41	50	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
PB_Hil_36	Residential	453743	274139	A	65	50	42	50	Negligible
PB_Hil_37	Residential	453738	274125	A	65	50	41	50	Negligible
PB_Hil_38	Residential	453733	274112	A	65	50	45	50	Negligible
PB_Hil_39	Residential	453703	274145	A	65	52	41	52	Negligible
PB_Hil_40	Residential	453704	274155	A	65	52	42	52	Negligible
PB_Hil_41	Residential	453700	274135	A	65	52	39	52	Negligible
PB_Hil_42	Residential	453693	274124	A	65	51	40	51	Negligible
PB_Hil_43	Residential	453759	274108	A	65	50	42	50	Negligible
PB_Hil_44	Residential	453771	274107	A	65	51	43	51	Negligible
PB_Hil_45	Residential	453780	274102	A	65	52	41	52	Negligible
PB_Hil_46	Residential	453787	274101	A	65	52	43	52	Negligible
PB_Hil_47	Residential	453798	274097	A	65	51	41	51	Negligible
PB_Hil_48	Residential	453808	274089	A	65	52	44	52	Negligible
PB_Hil_49	Residential	453817	274083	A	65	52	43	52	Negligible
PB_Hil_50	Residential	453826	274080	A	65	52	43	52	Negligible
PB_Hil_51	Residential	453837	274075	A	65	52	43	52	Negligible
PB_Hil_52	Residential	453845	274066	A	65	53	45	53	Negligible
PB_Hil_53	Residential	453855	274060	A	65	53	44	53	Negligible
PB_Hil_54	Residential	454369	274147	A	65	58	40	58	Negligible
Hillmorton Bottom Lock Mooring	Residential	453721	274672	A	65	80	79	80	Major
Grantham's Bridge Boat Serv Mooring	Residential	453820	274566	A	65	62	60	62	Minor
Hillmorton Bistro Mooring	Residential	453773	274480	A	65	63	59	63	Minor
Hillmorton Locks Mooring	Residential	453765	274380	A	65	70	52	70	Moderate
Table Note Explanations of each assessment scenario: a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well b. Structures Construction: Construction works of the site and compound establishment and the pumping station control building									

Table 4: Predicted Noise Levels from Construction of Braunston Pumped Bypass

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
PB_BRN_01	Residential	454200	265972	A	65	64	64	64	Minor

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
PB_BRN_02	Non-residential	454481	265948	A	65	57	60	60	Negligible
PB_BRN_03	Non-residential	454493	265949	A	65	56	56	56	Negligible
PB_BRN_04	Non-residential	454501	265951	A	65	55	56	56	Negligible
PB_BRN_05	Residential	454044	265766	A	65	53	54	54	Negligible
PB_BRN_06	Residential	454015	265777	A	65	53	54	54	Negligible
PB_BRN_07	Residential	454160	266013	A	65	61	62	62	Minor
PB_BRN_08	Residential	454131	266020	A	65	58	59	59	Negligible
PB_BRN_09	Residential	454109	266015	A	65	56	57	57	Negligible
PB_BRN_10	Residential	454176	266029	A	65	61	62	62	Minor
PB_BRN_11	Residential	454190	266031	A	65	61	62	62	Minor
PB_BRN_12	Residential	454218	266040	A	65	62	61	62	Minor
PB_BRN_13	Residential	454596	266041	A	65	51	54	54	Negligible
PB_BRN_14	Residential	454579	266027	A	65	54	56	56	Negligible
PB_BRN_15	Residential	454569	266028	A	65	53	56	56	Negligible
PB_BRN_16	Residential	454565	266068	A	65	54	55	55	Negligible
PB_BRN_17	Residential	454595	266024	A	65	53	55	55	Negligible
PB_BRN_19	Residential	457625	265006	A	65	55	N/A	55	Negligible
PB_BRN_23	Residential	457494	264995	A	65	53	N/A	53	Negligible
PB_BRN_25	Residential	457680	264992	A	65	54	N/A	54	Negligible
PB_BRN_26	Residential	457684	264988	A	65	54	N/A	54	Negligible
PB_BRN_27	Residential	457700	264983	A	65	54	N/A	54	Negligible
PB_BRN_29	Residential	457711	264985	A	65	54	N/A	54	Negligible
PB_BRN_33	Residential	457575	265008	A	65	56	N/A	56	Negligible
PB_BRN_34	Residential	457904	265087	A	65	53	N/A	53	Negligible
PB_BRN_35	Residential	454477	265973	A	65	60	61	61	Minor
PB_BRN_36	Residential	454423	265971	A	65	61	64	64	Minor
PB_BRN_37	Residential	454402	265969	A	65	63	66	66	Moderate
PB_BRN_38	Residential	454421	265942	A	65	62	66	66	Moderate
DRO_WEI_07	Residential	457645	265002	A	65	56	N/A	56	Negligible
DRO_WEI_11	Residential	457603	265007	A	65	55	N/A	55	Negligible
DRO_WEI_02	Residential	457539	264992	A	65	53	N/A	53	Negligible
DRO_WEI_01	Residential	457492	265006	A	65	53	N/A	53	Negligible
DRO_WEI_08	Residential	457676	264995	A	65	55	N/A	55	Negligible
DRO_WEI_09	Residential	457705	264985	A	65	54	N/A	54	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
DRO_WEI_13	Residential	457731	264981	A	65	54	N/A	54	Negligible
DRO_WEI_04	Residential	457583	264990	A	65	52	N/A	52	Negligible
DRO_WEI_03	Residential	457564	264990	A	65	54	N/A	54	Negligible
South Lea, Archer Avenue Mooring	Residential	454224	265938	A	65	65	64	65	Minor
Union Canal Carriers Mooring	Residential	454411	265953	A	65	59	64	64	Minor
Braunston Boats Mooring	Residential	454505	265969	A	65	53	54	54	Negligible
Braunston Marina Mooring	Residential	454539	265958	A	65	48	47	48	Negligible
Braunston E.O.G. Mooring	Residential	454660	265974	A	65	45	45	45	Negligible

Table Note - Explanations of each assessment scenario:

- a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well
- b. Structures Construction: Construction works of the site and compound establishment and the pumping station control building

Table 5: Predicted Noise Levels from Construction of Fenny Stratford Pumped Bypass

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
PB_FEN_01	Residential	488366	234379	A	65	82	73	82	Major
PB_FEN_02	Residential	488410	234282	A	65	65	57	65	Minor
PB_FEN_03	Residential	488346	234358	A	65	74	67	74	Major
PB_FEN_04	Residential	488346	234358	A	65	74	67	74	Major
PB_FEN_05	Residential	488346	234354	A	65	81	67	81	Major
PB_FEN_06	Residential	488347	234349	A	65	81	66	81	Major
PB_FEN_07	Residential	488348	234345	A	65	81	66	81	Major
PB_FEN_08	Residential	488347	234337	A	65	80	61	80	Major
PB_FEN_09	Residential	488348	234331	A	65	80	64	80	Major
PB_FEN_10	Residential	488351	234324	A	65	80	64	80	Major
PB_FEN_11	Residential	488338	234377	A	65	75	74	75	Major
PB_FEN_12	Residential	488273	234488	A	65	66	64	66	Moderate
PB_FEN_13	Residential	488269	234501	A	65	61	60	61	Minor
PB_FEN_14	Residential	488275	234473	A	65	68	66	68	Moderate
PB_FEN_15	Residential	488317	234349	A	65	66	56	66	Moderate
PB_FEN_16	Residential	488322	234350	A	65	67	58	67	Moderate
PB_FEN_17	Residential	488326	234350	A	65	67	56	67	Moderate
PB_FEN_18	Residential	488332	234351	A	65	68	56	68	Moderate
PB_FEN_19	Residential	488287	234346	A	65	64	56	64	Minor

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
Fenny Stratford Mooring	Residential	488338	234422	A	65	79	76	79	Major
Fenny Lodge Mooring	Residential	488304	234524	A	65	63	62	63	Minor
Fenny Stratford Towpath L1 Moorings	Residential	488403	234207	A	65	58	50	58	Negligible
Grenville Marina Mooring	Residential	488372	233994	A	65	42	37	42	Negligible
Table Note - Explanations of each assessment scenario: a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well b. Structures Construction: Construction works of the site and compound establishment and the pumping station control building									

Table 6: Predicted Noise Levels from Construction of Long Buckby (Locks 7 to 9) and Whilton Locks (Locks 10 to 13)

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)	Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Gravity Bypass		
PB-BUC_01	Residential	460258	265698	A	65	66	66	Moderate
PB-BUC_02	Residential	460248	265693	A	65	64	64	Minor
PB-BUC_03	Residential	460534	265636	A	65	74	74	Major
PB-BUC_04	Residential	460564	265628	A	65	74	74	Major
PB-BUC_05	Residential	460525	265666	A	65	70	70	Moderate
PB-BUC_06	Residential	460589	265662	A	65	70	70	Moderate
PB-BUC_07	Residential	460664	265519	A	65	78	78	Major
PB-BUC_08	Residential	460666	265500	A	65	69	69	Moderate
PB-BUC_09	Residential	460676	265502	A	65	59	59	Negligible
PB-BUC_10	Residential	460704	265481	A	65	64	64	Minor
PB-BUC_11	Residential	460731	265488	A	65	66	66	Moderate
PB-BUC_12	Residential	460746	265521	A	65	67	67	Moderate
PB-BUC_13	Residential	460757	265517	A	65	64	64	Minor
PB-BUC_14	Residential	460783	265505	A	65	61	61	Minor
PB-BUC_15	Residential	460788	265506	A	65	61	61	Minor
PB-BUC_16	Residential	460793	265502	A	65	62	62	Minor
PB-BUC_17	Residential	460795	265465	A	65	60	60	Negligible
PB-BUC_18	Residential	460786	265466	A	65	61	61	Minor
PB-BUC_19	Residential	460757	265444	A	65	60	60	Negligible
PB-BUC_20	Residential	460673	265475	A	65	68	68	Moderate
PB-BUC_21	Residential	460704	265419	A	65	62	62	Minor
PB-BUC_22	Residential	460720	265422	A	65	61	61	Minor

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)	Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Gravity Bypass		
PB-BUC_23	Residential	460611	265667	A	65	70	70	Moderate
PB-BUC_24	Residential	460605	265673	A	65	63	63	Minor
PB-BUC_25	Residential	460605	265682	A	65	62	62	Minor
PB-BUC_26	Residential	460625	265672	A	65	69	69	Moderate
PB-BUC_27	Residential	460635	265678	A	65	68	68	Moderate
PB-BUC_28	Residential	461030	265490	A	65	87	87	Major
PB-BUC_29	Residential	461018	265490	A	65	77	77	Major
PB-BUC_30	Residential	461115	265458	A	65	80	80	Major
PB-BUC_31	Residential	461125	265459	A	65	80	80	Major
PB-BUC_32	Residential	461133	265449	A	65	74	74	Major
PB-BUC_33	Residential	461136	265444	A	65	72	72	Major
PB-BUC_34	Residential	461140	265437	A	65	67	67	Moderate
PB-BUC_35	Residential	461144	265432	A	65	69	69	Moderate
PB-BUC_36	Residential	461157	265445	A	65	76	76	Major
PB-BUC_37	Residential	461162	265455	A	65	77	77	Major
PB-BUC_38	Residential	461171	265457	A	65	75	75	Major
PB-BUC_39	Residential	461173	265437	A	65	64	64	Minor
PB-BUC_40	Residential	461175	265432	A	65	64	64	Minor
PB-BUC_41	Residential	461180	265421	A	65	63	63	Minor
PB-BUC_42	Residential	461183	265406	A	65	64	64	Minor
PB-BUC_43	Residential	461166	265396	A	65	65	65	Minor
PB-BUC_44	Residential	461157	265392	A	65	64	64	Minor
PB-BUC_45	Residential	461147	265385	A	65	64	64	Minor
PB-BUC_46	Residential	461251	265436	A	65	69	69	Moderate
PB-BUC_47	Residential	461216	265415	A	65	66	66	Moderate
PB-BUC_48	Residential	461381	265375	A	65	68	68	Moderate
PB-BUC_49	Residential	461359	265371	A	65	69	69	Moderate
PB-BUC_50	Residential	461347	265367	A	65	68	68	Moderate
PB-BUC_51	Residential	461398	265360	A	65	70	70	Moderate
PB-BUC_52	Residential	461403	265350	A	65	70	70	Moderate
PB-BUC_53	Residential	461444	264805	A	65	60	60	Negligible
PB-BUC_54	Residential	461452	264772	A	65	60	60	Negligible
PB-BUC_55	Residential	461449	264767	A	65	59	59	Negligible
PB-BUC_56	Residential	461400	264807	A	65	61	61	Minor
PB-BUC_57	Residential	461847	264292	A	65	74	74	Major
PB-BUC_58	Residential	461840	264313	A	65	66	66	Moderate
PB-BUC_59	Residential	461829	264403	A	65	65	65	Minor

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)	Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Gravity Bypass		
PB-BUC_60	Residential	461832	264379	A	65	66	66	Moderate
PB-BUC_65	Residential	461106	265427	A	65	74	74	Major
PB-BUC_61	Residential	461300	265416	A	65	64	64	Minor
PB-BUC_66	Residential	461887	264122	A	65	67	67	Moderate
PB-BUC_62	Residential	461343	265450	A	65	63	63	Minor
PB-BUC_63	Residential	461349	265452	A	65	63	63	Minor
PB-BUC_64	Residential	461355	265455	A	65	63	63	Minor
Buckby Top Lock Mooring	Residential	460412	265683	A	65	80	80	Major
Buckby Wharf Mooring	Residential	460883	265463	A	65	61	61	Minor
Whilton Marina Mooring	Residential	461856	264147	A	65	67	67	Moderate
Table Note - Explanations of each assessment scenario: a. Gravity Bypass: Construction of the pipelines, the inlet and outlet weirs								

Table 7: Predicted Noise Levels from Construction of Stoke Bruerne Locks (Locks 14 to 15)

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)	Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction		
GP-STO_01	Residential	474327	249875	A	65	87	87	Major
GP-STO_02	Residential	474349	249910	A	65	75	75	Major
GP-STO_03	Residential	474355	249904	A	65	76	76	Major
GP-STO_04	Residential	474356	249900	A	65	76	76	Major
GP-STO_05	Residential	474357	249897	A	65	77	77	Major
GP-STO_06	Residential	474361	249894	A	65	78	78	Major
GP-STO_07	Residential	474366	249888	A	65	79	79	Major
GP-STO_08	Residential	474374	249900	A	65	70	70	Moderate
GP-STO_09	Residential	474373	249910	A	65	62	62	Minor
GP-STO_10	Residential	474372	249919	A	65	60	60	Negligible
GP-STO_11	Residential	474392	249907	A	65	70	70	Moderate
GP-STO_12	Residential	474409	249933	A	65	62	62	Minor
GP-STO_13	Residential	474442	249899	A	65	66	66	Moderate
GP-STO_14	Residential	474437	249880	A	65	67	67	Moderate
GP-STO_15	Residential	474455	249923	A	65	64	64	Minor
GP-STO_16	Residential	474370	249934	A	65	60	60	Negligible
GP-STO_17	Non-residential	474297	249912	A	65	70	70	Moderate

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)	Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction		
GP-STO_18	Residential	474299	249923	A	65	69	69	Moderate
GP-STO_19	Residential	474344	249848	A	65	87	87	Major
GP-STO_20	Residential	474318	249826	A	65	72	72	Major
GP-STO_21	Residential	474321	249810	A	65	72	72	Major
GP-STO_22	Residential	474301	249806	A	65	65	65	Minor
GP-STO_23	Residential	474287	249800	A	65	66	66	Moderate
GP-STO_24	Non-residential	474414	249795	A	65	73	73	Major
GP-STO_25	Residential	474418	249678	A	65	79	79	Major
Stoke Bruerne Offside Mooring	Residential	474267	249977	A	65	59	59	Negligible
Blagrove Wharf Cottage Mooring	Residential	474305	249933	A	65	67	67	Moderate
Stoke Bruerne Museum Moorings	Residential	474340	249908	A	65	73	73	Major
Stoke Bruerne Residential Mooring	Residential	475069	248806	A	65	72	72	Major
River Tove Mooring	Residential	475085	248700	A	65	64	64	Minor
Explanations of each assessment scenario: a. Weir and Pipeline Construction: Construction of the pipelines, the inlet and outlet weirs								

Table 8: Predicted Noise Levels from Construction of River Tove Locks (Lock 16-20)

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)	Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction		
GP-RIT_01	Residential	475031	248892	A	65	64	64	Minor
GP-RIT_02	Residential	475010	248911	A	65	58	58	Negligible
GP-RIT_03	Residential	475014	248908	A	65	60	60	Negligible
GP-RIT_04	Residential	475038	248936	A	65	64	64	Minor
GP-RIT_05	Residential	475022	248952	A	65	59	59	Negligible
Explanations of each assessment scenario: a. Weir and Pipeline Construction: Construction of the pipelines, the inlet and outlet weirs								

Table 9: Predicted Noise Levels from Construction of Cosgrove Lock (Lock 21)

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)	Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction		
TL-COS_01	Residential	479494	242282	A	65	78	78	Major
TL-COS_02	Residential	479490	242288	A	65	76	76	Major
TL-COS_03	Residential	479632	242286	A	65	66	66	Moderate
TL-COS_04	Residential	479625	242298	A	65	65	65	Minor
TL-COS_05	Residential	479618	242309	A	65	65	65	Minor
TL-COS_06	Residential	479612	242321	A	65	65	65	Minor
TL-COS_07	Residential	478760	241995	A	65	63	63	Minor
TL-COS_08	Non-residential	478793	241986	A	65	61	61	Minor
Cosgrove Marina moorings	Residential	479459	242409	A	65	61	61	Minor
Walker Norton Homes Mooring	Residential	479305	242539	A	65	54	61	Minor
Cosgrove Hall Mooring	Residential	479321	242518	A	65	56	54	Negligible
Clayton Tanneries Mooring	Residential	479280	242592	A	65	54	56	Negligible
The Stocks, Cosgrove Mooring	Residential	479295	242557	A	65	53	54	Negligible
Table Note Explanations of each assessment scenario:								
a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well								

Table 10: Predicted Noise Levels from Construction of South Cosgrove Transfer Lock (Option 1)

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction Option 1	Structures Construction Option 1		
TL_SCOS_001	Residential	483692	241659	A	65	56	51	56	Negligible
TL_SCOS_002	Residential	483702	241665	A	65	46	42	46	Negligible
TL_SCOS_003	Residential	483706	241667	A	65	46	42	46	Negligible
TL_SCOS_004	Residential	483718	241691	A	65	49	45	49	Negligible
TL_SCOS_005	Residential	483720	241686	A	65	60	55	60	Negligible
TL_SCOS_006	Residential	483722	241682	A	65	63	58	63	Minor
TL_SCOS_007	Residential	483739	241700	A	65	46	42	46	Negligible
TL_SCOS_008	Residential	483741	241696	A	65	61	56	61	Minor
TL_SCOS_009	Residential	483744	241692	A	65	62	56	62	Minor

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction Option 1	Structures Construction Option 1		
TL_SCOS_010	Residential	483746	241687	A	65	45	41	45	Negligible
TL_SCOS_011	Residential	483727	241677	A	65	63	58	63	Minor
TL_SCOS_012	Residential	483768	241712	A	65	62	57	62	Minor
TL_SCOS_013	Residential	483769	241706	A	65	63	58	63	Minor
TL_SCOS_014	Residential	483774	241702	A	65	63	58	63	Minor
TL_SCOS_015	Residential	483814	241719	A	65	60	56	60	Negligible
TL_SCOS_016	Residential	483818	241712	A	65	55	50	55	Negligible
TL_SCOS_017	Residential	483865	241775	A	65	47	43	47	Negligible
TL_SCOS_018	Residential	483870	241776	A	65	45	42	45	Negligible
TL_SCOS_019	Residential	483874	241776	A	65	47	44	47	Negligible
TL_SCOS_020	Residential	483880	241777	A	65	45	42	45	Negligible
TL_SCOS_021	Residential	483884	241777	A	65	43	40	43	Negligible
TL_SCOS_022	Residential	483889	241779	A	65	43	40	43	Negligible
TL_SCOS_023	Residential	483898	241786	A	65	57	52	57	Negligible
TL_SCOS_024	Residential	483897	241790	A	65	49	45	49	Negligible
TL_SCOS_025	Residential	483897	241796	A	65	50	46	50	Negligible
TL_SCOS_026	Residential	483895	241799	A	65	50	46	50	Negligible
TL_SCOS_027	Non-residential	483860	241846	A	65	54	50	54	Negligible
TL_SCOS_028	Non-residential	483869	241847	A	65	53	49	53	Negligible
TL_SCOS_029	Non-residential	483875	241848	A	65	53	49	53	Negligible
TL_SCOS_030	Non-residential	483832	241876	A	65	54	50	54	Negligible
TL_SCOS_031	Residential	483891	241864	A	65	54	51	54	Negligible
TL_SCOS_032	Residential	483891	241870	A	65	50	46	50	Negligible
TL_SCOS_033	Residential	483890	241875	A	65	49	46	49	Negligible
TL_SCOS_034	Residential	483889	241881	A	65	49	45	49	Negligible
TL_SCOS_035	Residential	483889	241886	A	65	49	46	49	Negligible
TL_SCOS_036	Residential	483888	241890	A	65	50	46	50	Negligible
TL_SCOS_037	Residential	483888	241895	A	65	49	46	49	Negligible
TL_SCOS_038	Residential	483887	241900	A	65	50	46	50	Negligible
TL_SCOS_039	Residential	483830	241904	A	65	60	55	60	Negligible
TL_SCOS_040	Residential	483831	241914	A	65	55	51	55	Negligible
TL_SCOS_041	Residential	483831	241920	A	65	55	51	55	Negligible
TL_SCOS_042	Residential	483832	241925	A	65	55	51	55	Negligible
TL_SCOS_043	Residential	483832	241932	A	65	67	62	67	Moderate
TL_SCOS_044	Residential	483841	241945	A	65	67	62	67	Moderate
TL_SCOS_045	Residential	483850	241923	A	65	60	55	60	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction Option 1	Structures Construction Option 1		
TL_SCOS_046	Residential	483854	241923	A	65	62	57	62	Minor
TL_SCOS_047	Residential	483844	241960	A	65	66	61	66	Moderate
TL_SCOS_048	Residential	483844	241972	A	65	54	50	54	Negligible
TL_SCOS_049	Residential	483845	241991	A	65	64	59	64	Minor
TL_SCOS_050	Residential	483865	242010	A	65	52	49	52	Negligible
TL_SCOS_051	Residential	483848	242009	A	65	57	52	57	Negligible
TL_SCOS_052	Residential	483845	242033	A	65	62	57	62	Minor
TL_SCOS_053	Residential	483846	242051	A	65	50	46	50	Negligible
TL_SCOS_054	Residential	483857	242074	A	65	47	44	47	Negligible
TL_SCOS_055	Residential	483864	242104	A	65	49	46	49	Negligible
TL_SCOS_056	Residential	483862	242053	A	65	57	53	57	Negligible
TL_SCOS_057	Residential	483873	242049	A	65	49	46	49	Negligible
TL_SCOS_058	Residential	483871	241989	A	65	52	49	52	Negligible
TL_SCOS_059	Residential	483871	241981	A	65	52	48	52	Negligible
TL_SCOS_060	Residential	483871	241974	A	65	58	54	58	Negligible
TL_SCOS_061	Residential	483878	242011	A	65	60	56	60	Negligible

Table Note - Explanations of each assessment scenario:

- a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well at proposed location option 1
- b. Structures Construction: Construction works of the site and compound establishment and the pumping station control building at proposed location option 1

Table 11: Predicted Noise Levels from Construction of South Cosgrove Transfer Lock (Option 2)

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction Option 2	Structures Construction Option 2		
TL_SCOS_062	Residential	484710	242179	A	65	49	46	49	Negligible
TL_SCOS_063	Residential	484713	242183	A	65	49	45	49	Negligible
TL_SCOS_064	Residential	484717	242186	A	65	50	46	50	Negligible
TL_SCOS_065	Residential	484720	242190	A	65	50	46	50	Negligible
TL_SCOS_066	Residential	484723	242194	A	65	61	56	61	Minor
TL_SCOS_067	Residential	484727	242198	A	65	60	55	60	Negligible
TL_SCOS_068	Residential	484729	242202	A	65	53	49	53	Negligible
TL_SCOS_069	Residential	484732	242207	A	65	59	54	59	Negligible
TL_SCOS_070	Residential	484736	242210	A	65	57	52	57	Negligible
TL_SCOS_071	Residential	484742	242216	A	65	58	53	58	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction Option 2	Structures Construction Option 2		
TL_SCOS_072	Residential	484745	242220	A	65	53	49	53	Negligible
TL_SCOS_073	Residential	484748	242224	A	65	57	52	57	Negligible
TL_SCOS_074	Residential	484751	242227	A	65	67	62	67	Moderate
TL_SCOS_075	Residential	484755	242232	A	65	67	62	67	Moderate
TL_SCOS_076	Residential	484784	242210	A	65	58	53	58	Negligible
TL_SCOS_077	Residential	484782	242206	A	65	66	61	66	Moderate
TL_SCOS_078	Residential	484780	242202	A	65	54	50	54	Negligible
TL_SCOS_079	Residential	484778	242198	A	65	57	53	57	Negligible
TL_SCOS_080	Residential	484775	242193	A	65	63	58	63	Minor
TL_SCOS_081	Residential	484774	242189	A	65	56	52	56	Negligible
TL_SCOS_082	Residential	484817	242138	A	65	50	46	50	Negligible
TL_SCOS_083	Residential	484820	242167	A	65	64	59	64	Minor
TL_SCOS_084	Residential	484831	242190	A	65	65	60	65	Minor
TL_SCOS_085	Residential	484873	242196	A	65	60	55	60	Negligible
TL_SCOS_086	Residential	484848	242175	A	65	55	50	55	Negligible
TL_SCOS_087	Residential	484887	242189	A	65	58	53	58	Negligible
TL_SCOS_088	Residential	484888	242173	A	65	52	48	52	Negligible
TL_SCOS_089	Residential	484910	242181	A	65	64	59	64	Minor
TL_SCOS_090	Residential	484920	242198	A	65	67	62	67	Moderate
TL_SCOS_091	Residential	484932	242203	A	65	55	51	55	Negligible
TL_SCOS_092	Residential	484953	242190	A	65	63	58	63	Minor
TL_SCOS_093	Residential	484977	242186	A	65	55	51	55	Negligible
TL_SCOS_094	Residential	484978	242200	A	65	62	57	62	Minor
TL_SCOS_095	Residential	484934	242169	A	65	58	54	58	Negligible
TL_SCOS_096	Residential	484995	242206	A	65	63	58	63	Minor
TL_SCOS_097	Residential	485010	242201	A	65	59	54	59	Negligible
TL_SCOS_098	Residential	485022	242190	A	65	52	47	52	Negligible
TL_SCOS_099	Non-residential	485073	242322	A	65	66	61	66	Moderate
TL_SCOS_100	Non-residential	485082	242271	A	65	49	45	49	Negligible
TL_SCOS_101	Non-residential	485084	242226	A	65	48	44	48	Negligible
TL_SCOS_102	Non-residential	485114	242311	A	65	55	51	55	Negligible
TL_SCOS_103	Non-residential	484611	242342	A	65	56	51	56	Negligible
TL_SCOS_104	Residential	484864	242158	A	65	63	58	63	Minor
TL_SCOS_105	Residential	484852	242141	A	65	53	49	53	Negligible
TL_SCOS_106	Residential	484833	242157	A	65	53	49	53	Negligible
TL_SCOS_107	Residential	484771	242183	A	65	52	47	52	Negligible
TL_SCOS_108	Residential	484769	242178	A	65	58	53	58	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction Option 2	Structures Construction Option 2		
TL_SCOS_109	Residential	484767	242174	A	65	52	48	52	Negligible
TL_SCOS_110	Residential	484764	242170	A	65	57	53	57	Negligible
Explanations of each assessment scenario: a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well at proposed location option 1 b. Structures Construction: Construction works of the site and compound establishment and the pumping station control building at proposed location option 1									

Table 12: Predicted Noise Levels from Construction of Springwood Transfer Lock (Option 1)

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction Option 1	Structures Construction Option 1		
SPRING_001	Residential	434339	293716	A	65	62	59	62	Minor
SPRING_002	Residential	434253	293636	A	65	50	47	50	Negligible
SPRING_003	Residential	434238	293634	A	65	61	57	61	Minor
SPRING_004	Residential	434230	293622	A	65	57	53	57	Negligible
SPRING_005	Residential	434281	293525	A	65	50	48	50	Negligible
SPRING_006	Residential	434447	293927	A	65	41	38	41	Negligible
SPRING_007	Residential	434402	294046	A	65	41	38	41	Negligible
SPRING_008	Residential	433507	294702	A	65	26	22	26	Negligible
SPRING_009	Residential	433780	293705	A	65	44	39	44	Negligible
SPRING_010	Residential	433784	293700	A	65	32	29	32	Negligible
SPRING_011	Residential	433790	293693	A	65	45	41	45	Negligible
SPRING_012	Residential	433795	293690	A	65	34	31	34	Negligible
SPRING_013	Residential	433988	293606	A	65	54	49	54	Negligible
SPRING_014	Residential	434041	293441	A	65	38	35	38	Negligible
SPRING_015	Residential	434035	293452	A	65	54	50	54	Negligible
SPRING_016	Residential	434026	293468	A	65	52	48	52	Negligible
SPRING_017	Residential	434018	293481	A	65	37	34	37	Negligible
SPRING_018	Residential	434014	293485	A	65	54	50	54	Negligible
SPRING_019	Residential	434007	293497	A	65	52	48	52	Negligible
Springwood Haven Moorings	Residential	434395	293724	A	65	59	56	59	Negligible
Explanations of each assessment scenario: Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well at proposed location option 1 Structures Construction: Construction works of the site and compound establishment and the pumping station control building at proposed location option 1									

Table 13: Predicted Noise Levels from Construction of Springwood Transfer Lock (Option 2)

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction Option 2	Structures Construction Option 2		
SPRING_001	Residential	434339	293716	A	65	33	30	33	Negligible
SPRING_002	Residential	434253	293636	A	65	34	31	50	Negligible
SPRING_003	Residential	434238	293634	A	65	48	44	61	Minor
SPRING_004	Residential	434230	293622	A	65	38	37	57	Negligible
SPRING_005	Residential	434281	293525	A	65	35	32	50	Negligible
SPRING_006	Residential	434447	293927	A	65	51	46	51	Negligible
SPRING_007	Residential	434402	294046	A	65	35	33	41	Negligible
SPRING_008	Residential	433507	294702	A	65	33	33	33	Negligible
SPRING_009	Residential	433780	293705	A	65	49	45	49	Negligible
SPRING_010	Residential	433784	293700	A	65	50	46	50	Negligible
SPRING_011	Residential	433790	293693	A	65	49	45	49	Negligible
SPRING_012	Residential	433795	293690	A	65	34	31	34	Negligible
SPRING_013	Residential	433988	293606	A	65	50	46	54	Negligible
SPRING_014	Residential	434041	293441	A	65	32	29	38	Negligible
SPRING_015	Residential	434035	293452	A	65	38	35	54	Negligible
SPRING_016	Residential	434026	293468	A	65	44	40	52	Negligible
SPRING_017	Residential	434018	293481	A	65	35	33	37	Negligible
SPRING_018	Residential	434014	293485	A	65	46	42	54	Negligible
SPRING_019	Residential	434007	293497	A	65	46	44	52	Negligible
Springwood Haven Mooring	Residential	434395	293724	A	65	41	39	41	Negligible

Table Note - Explanations of each assessment scenario:

- a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well at proposed location option 2
- b. Structures Construction: Construction works of the site and compound establishment and the pumping station control building at proposed location option 2

Table 14: Predicted Noise Levels from Construction of Grimes Bridge Transfer Lock

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
TL-GRB_011	Residential	442741	281264	A	65	63	57	63	Minor
TL-GRB_001	Residential	442812	281112	A	65	70	67	70	Moderate
TL-GRB_002	Residential	443032	281302	A	65	66	61	66	Moderate
TL-GRB_003	Residential	443171	280747	A	65	54	50	54	Negligible
TL-GRB_004	Residential	443137	280726	A	65	54	50	54	Negligible
TL-GRB_005	Residential	443107	280695	A	65	54	49	54	Negligible
TL-GRB_006	Residential	443083	280685	A	65	54	49	54	Negligible

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
TL-GRB_007	Residential	443250	280783	A	65	54	49	54	Negligible
TL-GRB_008	Residential	443285	280806	A	65	53	48	53	Negligible
TL-GRB_009	Residential	443305	280809	A	65	54	49	54	Negligible
TL-GRB_010	Residential	443327	280815	A	65	53	48	53	Negligible
Colehurst Farm Mooring	Residential	442741	281264	A	65	52	47	52	Negligible
Wilson's Wharf Mooring	Residential	442812	281112	A	65	80	74	80	Major
Explanations of each assessment scenario: a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well; and b. Structures Construction: Construction works of the site and compound establishment and the pumping station control building.									

Table 15: Predicted Noise Levels from Construction of Dodford Road Transfer Lock

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
TL-DOF_01	Residential	462812	260090	A	65	46	42	46	Negligible
TL-DOF_02	Residential	462831	260102	A	65	41	37	41	Negligible
TL-DOF_03	Residential	462848	260109	A	65	39	36	39	Negligible
TL-DOF_04	Residential	462863	260115	A	65	57	52	57	Negligible
TL-DOF_05	Residential	462875	260119	A	65	57	52	57	Negligible
TL-DOF_06	Residential	462898	260131	A	65	41	38	41	Negligible
TL-DOF_07	Residential	462909	260138	A	65	57	52	57	Negligible
TL-DOF_08	Residential	462921	260144	A	65	57	52	57	Negligible
TL-DOF_09	Residential	462943	260158	A	65	57	52	57	Negligible
TL-DOF_10	Residential	462513	260784	A	65	58	53	58	Negligible
TL-DOF_11	Residential	462513	260798	A	65	58	53	58	Negligible
TL-DOF_12	Residential	462494	260798	A	65	56	51	56	Negligible
TL-DOF_13	Residential	462491	260784	A	65	58	53	58	Negligible
TL-DOF_14	Residential	462607	260743	A	65	40	36	40	Negligible
Canna Mead Mooring	Residential	462529	260668	A	65	56	51	56	Negligible
Concoform Marine Mooring	Residential	463128	259688	A	65	36	33	36	Negligible
Weedon Church Mooring	Residential	463209	259377	A	65	34	30	34	Negligible
Weedon Wharf Mooring	Residential	463414	259049	A	65	33	29	33	Negligible
Table Note - Explanations of each assessment scenario:									

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)		Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)			Weir and Pipeline Construction	Structures Construction		
a. Weir and Pipeline Construction: Construction works of the pipelines, inlet and outlet weirs and the pumping station wet well; and b. Structures Construction: Construction works of the site and compound establishment and the pumping station control building.									

Table 16: Predicted Noise Levels from Construction of Bridge 88

Receptor ID	Receptor Type	Coordinates (British National Grid)		ABC Category	Criterion	Predicted Noise Level (dB LAeq,T)	Max. Noise Level (LAeq,10hr)	Magnitude of Impact
		X (Easting)	Y (Northing)					
Bridge_88_001	Residential	487188	237547	A	65	77	77	Major
Bridge_88_002	Residential	487215	237569	A	65	74	74	Major
Bridge_88_003	Residential	487231	237588	A	65	63	63	Minor
Bridge_88_004	Residential	487251	237602	A	65	63	63	Minor
Bridge_88_005	Residential	487152	237477	A	65	78	78	Major
Bridge_88_006	Residential	487125	237485	A	65	80	80	Major
Bridge_88_007	Residential	487101	237456	A	65	67	67	Moderate
Bridge_88_008	Residential	487091	237564	A	65	68	68	Moderate
Bridge_88_009	Residential	487058	237555	A	65	65	65	Minor
Bridge_88_010	Non-residential	487166	237386	A	65	64	64	Minor
Bridge_88_011	Residential	487252	237371	A	65	61	61	Minor
Bridge_88_012	Residential	487274	237366	A	65	60	60	Negligible
Bridge_88_013	Residential	487288	237370	A	65	60	60	Negligible
Bridge_88_014	Residential	487301	237390	A	65	60	60	Negligible
Bridge_88_015	Residential	487332	237381	A	65	58	58	Negligible
Bridge_88_016	Residential	487353	237389	A	65	58	58	Negligible
Bridge_88_017	Residential	487377	237409	A	65	59	59	Negligible
Bridge_88_018	Residential	487392	237430	A	65	58	58	Negligible
Bridge_88_019	Residential	486906	237569	A	65	55	55	Negligible
Bridge_88_020	Residential	486893	237566	A	65	54	54	Negligible
Bridge_88_021	Residential	486871	237554	A	65	54	54	Negligible
Bridge_88_022	Residential	486869	237543	A	65	54	54	Negligible
Bridge_88_023	Residential	486866	237533	A	65	55	55	Negligible
Bridge_88_024	Residential	486865	237519	A	65	55	55	Negligible
Bridge_88_025	Residential	487177	237610	A	65	57	57	Negligible
Bridge_88_026	Residential	487203	237625	A	65	55	55	Negligible
MK (Woughton) Marina L5 Moorings	Residential	487137	237350	A	65	44	44	Negligible
Bridge 88 O/S Ineraction - L3 Mooring	Residential	487148	237602	A	65	64	64	Minor

Table 17: Part 2 Predicted Noise Levels from Bank Raising Works

Approximate Distance of Works from Receptor (along canal route)	ABC Category	Criterion	Predicted Noise Level (dB LAeq,T) at Nominal Distances from Canal Route						
			10 m	50 m	100 m	150 m	200 m	250 m	300 m
200 m	A	65	57	57	56	55	53	52	51
150 m	A	65	60	60	58	56	55	53	52
100 m	A	65	64	63	61	58	56	54	52
50 m	A	65	71	68	63	60	57	54	53
0 m	A	65	87	72	64	60	57	55	53
50 m	A	65	71	68	63	60	57	54	53
100 m	A	65	64	63	61	58	56	54	52
150 m	A	65	60	60	58	56	55	53	52
200 m	A	65	57	57	56	55	53	52	51