ABL_ID	Location	Surveyed	Hydraulic	Model	Bridge /Culvert	Shape	Material	Number of Cell	Height/ Diameter (m)	Span (m)	Length (m)	Invert Elev (m)	Obvert Elev (m)	Source of data	River Name	Reach Name	River Station	Notes
1	Church St	y	y	y	Culvert	Box		1	1.3	3	14	177.09	178.39	ABL Survey	Coyle	Swayze	1075	
2																		Same structure as ABL_1
3	Chantler Rd	y	y	y	Culvert	Arch	CSP	2	1.9	2.6	14.1	176.20	178.10	ABL Survey	Coyle	Ridgeville_E	1723	
4	Webber Road	y	y	y	Culvert	Box	Concrete	1	3.2	6.8	19.4	172.80	176.00	ABL Survey	Coyle	Coyle_3	6996	
5	Effingham St	y	y	y	Culvert	Arch		1	0.65	1.1	17	203.42	204.07	ABL Survey	Coyle	Ridgeville_W	8157	
6	Sumbler Rd	y	y	y	Culvert	Arch	CSP	1	1.2	1.9	18.1	180.62	181.82	ABL Survey	Coyle	Coyle_T2	2275	
7	Sumbler Rd.	y	y	y	Culvert	Arch	CSP	1	1.6	2.2	8	181.22	182.82	ABL Survey	Coyle	Ridgeville_W	3947	
8	Chantler Rd	y	y	y	Culvert	Arch	CSP	1	1.75	2.2	8.7	177.68	179.43	ABL Survey	Coyle	Ridgeville_W	2497	
9	Foss Rd	y	y	y	Culvert	Arch	CSP	1	1.7	2.2	9	184.97	186.67	ABL Survey	Coyle	Ridgeville_W	5096	
10	Effingham St	y	y	y	Culvert	Box	Concrete	1	2.8	6.9	15.4	172.12	174.92	ABL Survey	Coyle	Coyle_3	5171	
11	Chantler Rd	y	y	y	Culvert	Arch		1	1.2	1.7	15.8	177.87	179.07	ABL Survey	Coyle	Nunn	1980	
12	Church St	y	y	y	Culvert	Box		1	1.3	3	11.5	176.81	178.11	ABL Survey	Coyle	Nunn	783	
13	Foss Rd	y	y	y	Culvert	Arch	CSP	1	1.1	1.5	12.2	183.44	184.54	ABL Survey	Coyle	Ridgeville_E	4443	
14	Poth St	y	y	y	Culvert	Circular	CSP	3	3	-	25	172.83	175.83	ABL Survey	Coyle	Coyle_3	7155	
15		y	y	n														Structure surveyed but not part of modeled watercourse network
16	Chantler Rd	y	y	y	Culvert	Circular		2	1.2	-	12.2	177.10	178.30	ABL Survey	Coyle	Swayze	965	
17	Foss Rd	y	y	y	Culvert	Arch	CSP	1	0.9	1.75	12.5	184.62	185.52	ABL Survey	Coyle	Coyle_T2	3595	
18	Cream St	y	y	y	Culvert	Box		1	1.1	4.2	23.4	177.70	178.80	ABL Survey	Coyle	Disher_E1	1600	
19	Sumbler Rd	y	y	y	Culvert	Circular		2	0.9	-	12.1	178.90	179.80	ABL Survey	Coyle	Swayze	2870	
20	Sumbler Rd	y	y	y	Culvert	Arch		1	0.75	1.7	12.8	179.98	180.73	ABL Survey	Coyle	Disher_E1	2443	Survey elevation data is about 1m higher than DTM. Elevation was corrected in model.
21		y	y	n														Structure surveyed but not part of modeled watercourse network
22	Welland Rd	y	y	y	Culvert	Circular		2	0.9	-	12.1	189.85	190.75	ABL Survey	Coyle	Ridgeville_W	6460	
23	Webber Rd	y	y	y	Culvert	Circular	CSP	1	2.4	-	42.7	174.36	176.76	ABL Survey	Coyle	Ridgeville_W	813	
24	Effingham St	y	y	y	Culvert	Circular	CSP	2	1.7	-	21.1	174.60	176.30	ABL Survey	Coyle	Ridgeville_W	942	
25	Chantler Rd	y	y	y	Culvert	Arch	CSP	1	0.95	1.8	15.4	177.61	178.56	ABL Survey	Coyle	Coyle_T2	1172	
26	Poth St.	y	y	y	Culvert	Circular		1	0.9	-	11.3	183.40	184.30	ABL Survey	Coyle	Coyle_T2	3176	
27	Church St	y	y	y	Culvert	Box		1	2.4	3.75	18.5	175.69	178.09	ABL Survey	Coyle	Disher	910	
28	Welland Rd	y	y	y	Culvert	Circular		1	0.9	-	12	188.70	189.60	ABL Survey	Coyle	Coyle_T2	4695	
29	Chantler Rd	y	y	y	Culvert	Arch		1	1.7	2.5	16.2	177.16	178.86	ABL Survey	Coyle	Disher_W	502	
30	Balfour St	y	y	y	Culvert	Arch		2	1.4	2	12.3	177.70	179.10	ABL Survey	Coyle	Disher_W	849	
31		y	y	n														Structure surveyed but not part of watercourse network
32	Cream St	y	y	y	Culvert	Box		1	2.4	5.4	16.9	174.57	176.97	ABL Survey	Coyle	Coyle_5	8531	
33	Chantler Rd	y	y	y	Culvert	Arch		2	1.6	2	13.2	176.69	178.29	ABL Survey	Coyle	Disher_E	1159	
34	Murdoch Rd	y	y	y	Culvert	Circular		2	0.45	-	12.1	178.00	178.45	ABL Survey	Draper's	Draper's_W	1868	
35		y	y	n														Structure surveyed but not part of modeled watercourse network
36	Effingham St	y	y	y	Culvert	Circular		1	1.5	-	11.3	181.89	183.39	ABL Survey	Coyle	Ridgeville_E	3760	
37	Webber Rd	y	y	y	Culvert	Circular		2	1.8	-	55.3	173.08	174.88	ABL Survey	Coyle	Ridgeville_E	194	
38	Chantler Rd	y	y	y	Culvert	Box		1	1.7	3	17.9	178.51	180.21	ABL Survey	Draper's	Draper's_W	2157	
39		y	y	n														Structure surveyed but not part of modeled watercourse network
40	Centre St	y	y	y	Culvert	Circular		1	0.6	-	12.4	184.02	184.62	ABL Survey	Coyle	Disher_E1	3486	

ABL_ID	Location	Surveyed	Hydraulic	Model	Bridge /Culvert	Shape	Material	Number of Cell	Height/ Diameter (m)	Span (m)	Length (m)	Invert Elev (m)	Obvert Elev (m)	Source of data	River Name	Reach Name	River Station	Notes
41	Colbeck Dr	y	y	y	Bridge	Arch	Concrete	1	4.2	6.8	6.4	169.52	173.72	ABL Survey	Coyle	Coyle_1	93	No survey sheet
42	Colbeck Dr	y	y	y	Culvert	Box		1	1.35	3.8	23.87	170.65	172.00	ABL Survey	Draper's	Draper's	412	
43	Clare Ave	y	y	y	Culvert	Box		2	1.45	2.4	23	173.70	175.15	ABL Survey	Draper's	Draper's_W	371	
44	Sumbler Rd	y	y	y	Culvert	Arch		1	1.1	1.8	12.6	180.96	182.06	ABL Survey	Draper's	Draper's_W	3384	
45	Sumbler Rd	y	y	y	Culvert	Arch		2	1.7	2.4	13.3	179.94	181.64	ABL Survey	Coyle	Ridgeville_E	3061	
46	Sumbler Rd	y	y	y	Culvert	Box		1	1	1.8	12.5	180.05	181.05	ABL Survey	Draper's	Draper's_E	2841	
47	South Pelham Rd	y	y	y	Culvert	Circular		1	1.4	-	14	177.21	178.61	ABL Survey	Draper's	Draper's_E	1843	
48	Fitch St	y	y	y	Culvert	Box		1	1.3	3.65	23.4	175.62	176.92	ABL Survey	Draper's	Draper's_E	1107	
49	Thorold Rd	y	y	y	Bridge	Box		1	1.3	3	17.3	179.00	180.25	ABL Survey	Draper's	Draper's_E	2459	
50	Chantler Rd	y	y	y	Culvert	Circular		1	1.7	-	12.3	176.62	178.32	ABL Survey	Draper's	Draper's_E	1640	
51	South Pelham Rd	y	y	y	Culvert	Box		1	0.95	3.55	14.4	179.29	180.24	ABL Survey	Draper's	Draper's_E	2548	
52	South Pelham RD	y	y	y	Culvert	Box		1	1.75	3.5	10.75	176.07	177.82	ABL Survey	Draper's	Draper's_E	1342	
53	Clare Ave	y	y	y	Culvert	Box		2	2.05	7.4	18	173.47	175.52	ABL Survey	Draper's	Draper's_E	448	
54	South Pelham RD	y	y	y	Culvert	Circular		2	1.05	-	15.1	175.77	176.87	ABL Survey	Draper's	Draper's_W	943	
55	South Pelham RD	y	y	y	Bridge	Arch	Concrete	1	3.6	6.9	8.4	169.60	173.20	ABL Survey	Coyle	Coyle_2	2115	No survey sheet
56	Sumbler Rd DS 9	y	y	y	Culvert	Box		1	1.5	2.4	5	179.40	180.90	ABL Survey	Draper's	Draper's_E	2637	
57	Sumbler Rd DS 8	y	y	y	Culvert	Arch		1	1.1	1.8	5	179.56	180.66	ABL Survey	Draper's	Draper's_E	2686	
58	Sumbler Rd DS 7	y	y	y	Culvert	Arch		1	1.1	1.8	5	179.55	180.65	ABL Survey	Draper's	Draper's_E	2704	
59	Sumbler Rd DS 6	y	y	y	Culvert	Arch		1	1.1	1.8	5	179.61	180.71	ABL Survey	Draper's	Draper's_E	2720	
60	Sumbler Rd DS 5	y	y	y	Culvert	Arch		1	1.1	1.8	5	179.48	180.58	ABL Survey	Draper's	Draper's_E	2735	
61	Sumbler Rd DS 4	y	y	y	Culvert	Arch		1	1.1	1.8	5	179.54	180.64	ABL Survey	Draper's	Draper's_E	2753	
62	Sumbler Rd DS 3	y	y	y	Culvert	Arch		1	1.1	1.8	5	179.70	180.80	ABL Survey	Draper's	Draper's_E	2774	
63	Sumbler Rd DS 2	y	y	y	Culvert	Arch		1	1.1	1.8	5	179.80	180.90	ABL Survey	Draper's	Draper's_E	2792	
64	Sumbler Rd DS 1	y	y	y	Culvert	Arch		1	1.1	1.8	5	179.70	180.80	ABL Survey	Draper's	Draper's_E	2811	
65	Thorold Rd DS 1	y	y	y	Culvert	Arch		1	1.3	2.3	4	177.94	179.24	ABL Survey	Draper's	Draper's_E	2160	
66	Private field crossing	n	n	n														
67	Private field crossing	n	n	n														
68	Private field crossing	n	n	n														
69	Private field crossing	n	n	n														
70	Private field crossing	n	n	n														
71	Private field crossing	n	n	n														
72	Chantler Rd DS 1	y	y	y	Bridge	Box		1	1.88	3.5	9.2	176.62	178.50	ABL Survey	Coyle	Ridgeville_E	2398	
73	Private field crossing	n	n	n														
74	Private field crossing	n	n	n														
75	Private field crossing	n	n	n														
76	Private field crossing	n	n	n														
77	Private field crossing	n	n	n														
78	Private field crossing	y	n	n														
79	Foss Rd US 2	y	y	y	Culvert	Arch		3	0.75/0.45	-	11.6	185.22	185.97	ABL Survey	Coyle	Ridgeville_E	4916	
80	Private field crossing	n	n	n														
81	Private field crossing	n	n	n														
82	Private field crossing	n	n	n														
83	Private field crossing	n	n	n														
84	Private field crossing	n	n	n														
85	Trail	y	y	y	Culvert	Arch	CSP	1	1.3	1.85	13.2	179.61	180.91	ABL Survey	Coyle	Ridgeville_W	3442	
86	Private field crossing	n	n	n														
87	Private field crossing	n	n	n														

ABL_ID	Location	Surveyed	Hydraulic	Model	Bridge /Culvert	Shape	Material	Number of Cell	Height/ Diameter (m)	Span (m)	Length (m)	Invert Elev (m)	Obvert Elev (m)	Source of data	River Name	Reach Name	River Station	Notes
88	Private field crossing	n	n	n														
89	Private field crossing	n	n	n														
90	Private field crossing	n	n	n														
91	Welland Rd US 1	y	y	y	Culvert	Arch		2	0.75	1.1	6.9	190.15	190.90	ABL Survey	Coyle	Ridgeville_W	6621	
92	Private field crossing	n	n	n														
93	Private field crossing	n	n	n														
94	Private field crossing	n	n	n														
95	Private field crossing	n	n	n														
96	Private field crossing	n	n	n														
97	Effingham St DS 1	y	y	y	Culvert	Arch		1	0.9	1.5	12.2	203.05	203.95	ABL Survey	Coyle	Ridgeville_W	8131	
98	Private field crossing	n	n	n														
99	Effingham St US 1	y	y	y	Culvert	Arch	CSP	2	1.9	3.1	6.3	172.42	174.32	ABL Survey	Coyle	Coyle_3	6128	
100	Private field crossing	n	n	n														
101	Private field crossing	n	n	n														
102	Private field crossing	n	n	n														
103	Private field crossing	n	n	n														
104	c	n	n	n														
105	Trail	y	y	y	Culvert	Circular	CSP	1	0.6	-	12.2	180.57	181.17	ABL Survey	Coyle	Coyle_T2	2242	
106	Poth St DS 1	y	y	y	Culvert	Circular	Plastic	3	0.6	-	9.1	182.65	183.25	ABL Survey	Coyle	Coyle_T2	2824	
107	Private field crossing	n	n	n														
108	Private field crossing	n	n	n														
109	Private field crossing	n	n	n														
110	Poth St US 1	y	y	y	Culvert	Circular	CSP	2	1.8	-	7.1	173.50	175.30	ABL Survey	Coyle	Coyle_4	7501	
111	Private field crossing	n	n	n														
112	Poth St US 2	y	y	y	Culvert	Arch	CSP	2	1.4	2	9.5	174	175.40	ABL Survey	Coyle	Coyle_4	7715	The upstream end is a culvert extension that is larger than the inside culvert. Dimensions modelled are from inner culvert.
113	Private field crossing	n	n	n														
114	Private field crossing	n	n	n														
115	Private field crossing	n	n	n														
116	Private field crossing	n	n	n														
117	Private field crossing	n	n	n														
118	Trail	y	y	y	Culvert	Circular	CSP	1	1	-	15	180.81	181.81	ABL Survey	Coyle	Disher_E1	2630	
119	Private field crossing	n	n	n														
120	Private field crossing	n	n	n														
121	Centre St DS 1	y	y	y	Culvert	Circular	Plastic	2	0.5	-	12.3	183.40	183.90	ABL Survey	Coyle	Disher_E1	3122	
122	Private field crossing	n	n	n														
123	Private field crossing	n	n	n														
124	Private field crossing	n	n	n														
125	Private field crossing	n	n	n														
126	Private field crossing	n	n	n														
127	Private field crossing	n	n	n														
128	Balfour St	y	y	y	Culvert	Circular	CSP	2	2.2	-	11.9	175.81	178.01	ABL Survey	Coyle	Coyle_5	9503	
129	Railway between Church St and Balfour St	y	y	y	Culvert	Box	Concrete	1	1.2	2.3	17.4	176.70	177.90	ABL Survey	Coyle	Swayze	589	

ABL_ID	Location	Surveyed	Hydraulic	Model	Bridge /Culvert	Shape	Material	Number of Cell	Height/ Diameter (m)	Span (m)	Length (m)	Invert Elev (m)	Obvert Elev (m)	Source of data	River Name	Reach Name	River Station	Notes
130	Private field crossing	n	n	n														
131	Private field crossing	n	n	n														
132	Farr St	y	y	y	Culvert	Arch	CSP	1	1.2	1.6	9.1	177.78	178.98	ABL Survey	Coyle	Swayze	2132	
133	Railway between Church St and Balfour St	y	y	y	Culvert	Box	Concrete	1	1.2	2.3	14.5	176.95	178.15	ABL Survey	Coyle	Nunn	338	
134	Private field crossing	n	n	n														
135	Private field crossing	n	n	n														
136		n	y	n														Not a part of the modelled watercourse network
137	Private field crossing	n	n	n														
138	Private field crossing	n	n	n														
139	Private field crossing	n	n	n														
140	Private field crossing	n	n	n														
141	Private field crossing	n	n	n														
142	Thorold Rd DS 2	y	y	y	Culvert	Arch		1	1.6	2.4	6.5	177.30	178.90	ABL Survey	Draper's	Draper's_E	2001	
143	Private field crossing	n	n	n														
144	Private field crossing	n	n	n														
145	Private field crossing	n	n	n														
146	Private field crossing	n	n	n														
147	Private field crossing	n	n	n														
148	Private field crossing	n	n	n														
149	Private field crossing	n	n	n														
150	Private field crossing	n	n	n														