

Appendix E Rainfall Runoff Summary

Easy Flood Risk							Page 1
55 Shepherds Lane Dartford DA1 2NL							
Date 29/03/2022 08:04 File 7 Dorset.SRCX			Designed by sheph Checked by				
Innovyze			Source Control 2020.1				
<u>Summary of Results for 1 year Return Period</u>							
Storm Event	Max Level (m)	Max Depth (m)	Max Control (l/s)	Max Overflow (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
15 min Summer	51.467	0.067	0.5	0.0	0.5	1.6	O K
30 min Summer	51.481	0.081	0.5	0.0	0.5	1.9	O K
60 min Summer	51.489	0.089	0.5	0.0	0.5	2.1	O K
120 min Summer	51.492	0.092	0.5	0.0	0.5	2.2	O K
180 min Summer	51.489	0.089	0.5	0.0	0.5	2.1	O K
240 min Summer	51.485	0.085	0.5	0.0	0.5	2.0	O K
360 min Summer	51.475	0.075	0.5	0.0	0.5	1.8	O K
480 min Summer	51.466	0.066	0.5	0.0	0.5	1.6	O K
600 min Summer	51.460	0.060	0.4	0.0	0.4	1.4	O K
720 min Summer	51.455	0.055	0.4	0.0	0.4	1.3	O K
960 min Summer	51.447	0.047	0.4	0.0	0.4	1.1	O K
1440 min Summer	51.438	0.038	0.3	0.0	0.3	0.9	O K
2160 min Summer	51.431	0.031	0.2	0.0	0.2	0.7	O K
2880 min Summer	51.427	0.027	0.2	0.0	0.2	0.6	O K
4320 min Summer	51.422	0.022	0.1	0.0	0.1	0.5	O K
5760 min Summer	51.420	0.020	0.1	0.0	0.1	0.5	O K
7200 min Summer	51.418	0.018	0.1	0.0	0.1	0.4	O K
8640 min Summer	51.417	0.017	0.1	0.0	0.1	0.4	O K
10080 min Summer	51.416	0.016	0.1	0.0	0.1	0.4	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Summer	32.000	0.0	1.8	0.0	17		
30 min Summer	20.793	0.0	2.4	0.0	30		
60 min Summer	13.089	0.0	3.0	0.0	46		
120 min Summer	8.069	0.0	3.7	0.0	80		
180 min Summer	6.050	0.0	4.2	0.0	114		
240 min Summer	4.927	0.0	4.6	0.0	148		
360 min Summer	3.662	0.0	5.1	0.0	212		
480 min Summer	2.961	0.0	5.5	0.0	272		
600 min Summer	2.510	0.0	5.8	0.0	332		
720 min Summer	2.193	0.0	6.1	0.0	392		
960 min Summer	1.773	0.0	6.6	0.0	512		
1440 min Summer	1.314	0.0	7.3	0.0	750		
2160 min Summer	0.974	0.0	8.1	0.0	1104		
2880 min Summer	0.787	0.0	8.8	0.0	1472		
4320 min Summer	0.583	0.0	9.7	0.0	2204		
5760 min Summer	0.471	0.0	10.5	0.0	2936		
7200 min Summer	0.400	0.0	11.1	0.0	3672		
8640 min Summer	0.350	0.0	11.7	0.0	4344		
10080 min Summer	0.312	0.0	12.2	0.0	5096		
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55 Shepherds Lane Dartford DA1 2NL							
Date 29/03/2022 08:04 File 7 Dorset.SRCX				Designed by sheph Checked by			
Innovyze				Source Control 2020.1			
<u>Summary of Results for 1 year Return Period</u>							
Storm Event	Max Level (m)	Max Depth (m)	Max Control (1/s)	Max Overflow (1/s)	Max Outflow (1/s)	Max Volume (m³)	Status
15 min Winter	51.476	0.076	0.5	0.0	0.5	1.8	O K
30 min Winter	51.492	0.092	0.5	0.0	0.5	2.2	O K
60 min Winter	51.500	0.100	0.5	0.0	0.5	2.4	O K
120 min Winter	51.501	0.101	0.5	0.0	0.5	2.4	O K
180 min Winter	51.495	0.095	0.5	0.0	0.5	2.3	O K
240 min Winter	51.487	0.087	0.5	0.0	0.5	2.1	O K
360 min Winter	51.471	0.071	0.5	0.0	0.5	1.7	O K
480 min Winter	51.461	0.061	0.4	0.0	0.4	1.5	O K
600 min Winter	51.453	0.053	0.4	0.0	0.4	1.3	O K
720 min Winter	51.447	0.047	0.4	0.0	0.4	1.1	O K
960 min Winter	51.439	0.039	0.3	0.0	0.3	0.9	O K
1440 min Winter	51.431	0.031	0.2	0.0	0.2	0.7	O K
2160 min Winter	51.425	0.025	0.2	0.0	0.2	0.6	O K
2880 min Winter	51.422	0.022	0.1	0.0	0.1	0.5	O K
4320 min Winter	51.419	0.019	0.1	0.0	0.1	0.4	O K
5760 min Winter	51.417	0.017	0.1	0.0	0.1	0.4	O K
7200 min Winter	51.415	0.015	0.1	0.0	0.1	0.4	O K
8640 min Winter	51.414	0.014	0.1	0.0	0.1	0.3	O K
10080 min Winter	51.413	0.013	0.1	0.0	0.1	0.3	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Winter	32.000	0.0	2.1	0.0	17		
30 min Winter	20.793	0.0	2.7	0.0	30		
60 min Winter	13.089	0.0	3.4	0.0	50		
120 min Winter	8.069	0.0	4.2	0.0	88		
180 min Winter	6.050	0.0	4.7	0.0	124		
240 min Winter	4.927	0.0	5.1	0.0	158		
360 min Winter	3.662	0.0	5.7	0.0	222		
480 min Winter	2.961	0.0	6.2	0.0	282		
600 min Winter	2.510	0.0	6.5	0.0	342		
720 min Winter	2.193	0.0	6.8	0.0	404		
960 min Winter	1.773	0.0	7.4	0.0	520		
1440 min Winter	1.314	0.0	8.2	0.0	762		
2160 min Winter	0.974	0.0	9.1	0.0	1104		
2880 min Winter	0.787	0.0	9.8	0.0	1444		
4320 min Winter	0.583	0.0	10.9	0.0	2164		
5760 min Winter	0.471	0.0	11.8	0.0	2920		
7200 min Winter	0.400	0.0	12.5	0.0	3728		
8640 min Winter	0.350	0.0	13.1	0.0	4384		
10080 min Winter	0.312	0.0	13.6	0.0	5016		

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55 Shepherds Lane Dartford DA1 2NL							
Date 29/03/2022 08:04 File 7 Dorset.SRCX				Designed by sheph Checked by			
Innovyze				Source Control 2020.1			
<u>Summary of Results for 2 year Return Period</u>							
Storm Event	Max Level (m)	Max Depth (m)	Max Control (1/s)	Max Overflow (1/s)	Max Σ Outflow (1/s)	Max Volume (m³)	Status
15 min Summer	51.489	0.089	0.5	0.0	0.5	2.1	O K
30 min Summer	51.507	0.107	0.5	0.0	0.5	2.6	O K
60 min Summer	51.517	0.117	0.5	0.0	0.5	2.8	O K
120 min Summer	51.519	0.119	0.5	0.0	0.5	2.9	O K
180 min Summer	51.515	0.115	0.5	0.0	0.5	2.8	O K
240 min Summer	51.510	0.110	0.5	0.0	0.5	2.6	O K
360 min Summer	51.497	0.097	0.5	0.0	0.5	2.3	O K
480 min Summer	51.485	0.085	0.5	0.0	0.5	2.0	O K
600 min Summer	51.475	0.075	0.5	0.0	0.5	1.8	O K
720 min Summer	51.468	0.068	0.5	0.0	0.5	1.6	O K
960 min Summer	51.457	0.057	0.4	0.0	0.4	1.4	O K
1440 min Summer	51.445	0.045	0.3	0.0	0.3	1.1	O K
2160 min Summer	51.435	0.035	0.3	0.0	0.3	0.8	O K
2880 min Summer	51.430	0.030	0.2	0.0	0.2	0.7	O K
4320 min Summer	51.425	0.025	0.2	0.0	0.2	0.6	O K
5760 min Summer	51.422	0.022	0.1	0.0	0.1	0.5	O K
7200 min Summer	51.420	0.020	0.1	0.0	0.1	0.5	O K
8640 min Summer	51.418	0.018	0.1	0.0	0.1	0.4	O K
10080 min Summer	51.417	0.017	0.1	0.0	0.1	0.4	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Summer	41.351	0.0	2.4	0.0	17		
30 min Summer	26.662	0.0	3.1	0.0	31		
60 min Summer	16.540	0.0	3.8	0.0	50		
120 min Summer	10.043	0.0	4.7	0.0	84		
180 min Summer	7.459	0.0	5.2	0.0	118		
240 min Summer	6.032	0.0	5.6	0.0	152		
360 min Summer	4.454	0.0	6.2	0.0	216		
480 min Summer	3.587	0.0	6.7	0.0	278		
600 min Summer	3.031	0.0	7.0	0.0	338		
720 min Summer	2.642	0.0	7.4	0.0	398		
960 min Summer	2.126	0.0	7.9	0.0	518		
1440 min Summer	1.565	0.0	8.7	0.0	752		
2160 min Summer	1.152	0.0	9.6	0.0	1108		
2880 min Summer	0.927	0.0	10.3	0.0	1468		
4320 min Summer	0.682	0.0	11.4	0.0	2200		
5760 min Summer	0.549	0.0	12.2	0.0	2896		
7200 min Summer	0.463	0.0	12.9	0.0	3672		
8640 min Summer	0.404	0.0	13.5	0.0	4384		
10080 min Summer	0.359	0.0	14.0	0.0	5112		
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Easy Flood Risk							Page 1
55 Shepherds Lane Dartford DA1 2NL							
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Innovyze				Source Control 2020.1			
<u>Summary of Results for 5 year Return Period</u>							
Storm Event	Max Level	Max Depth	Max Control	Max Overflow	Max Σ Outflow	Max Volume	Status
	(m)	(m)	(l/s)	(l/s)	(l/s)	(m³)	
15 min Summer	51.516	0.116	0.5	0.0	0.5	2.8	O K
30 min Summer	51.540	0.140	0.5	0.0	0.5	3.4	O K
60 min Summer	51.554	0.154	0.5	0.0	0.5	3.7	O K
120 min Summer	51.556	0.156	0.5	0.0	0.5	3.8	O K
180 min Summer	51.552	0.152	0.5	0.0	0.5	3.6	O K
240 min Summer	51.545	0.145	0.5	0.0	0.5	3.5	O K
360 min Summer	51.529	0.129	0.5	0.0	0.5	3.1	O K
480 min Summer	51.514	0.114	0.5	0.0	0.5	2.7	O K
600 min Summer	51.501	0.101	0.5	0.0	0.5	2.4	O K
720 min Summer	51.490	0.090	0.5	0.0	0.5	2.2	O K
960 min Summer	51.473	0.073	0.5	0.0	0.5	1.8	O K
1440 min Summer	51.455	0.055	0.4	0.0	0.4	1.3	O K
2160 min Summer	51.442	0.042	0.3	0.0	0.3	1.0	O K
2880 min Summer	51.435	0.035	0.3	0.0	0.3	0.8	O K
4320 min Summer	51.428	0.028	0.2	0.0	0.2	0.7	O K
5760 min Summer	51.424	0.024	0.2	0.0	0.2	0.6	O K
7200 min Summer	51.422	0.022	0.1	0.0	0.1	0.5	O K
8640 min Summer	51.420	0.020	0.1	0.0	0.1	0.5	O K
10080 min Summer	51.419	0.019	0.1	0.0	0.1	0.4	O K
Storm Event	Rain (mm/hr)	Flooded Volume	Discharge Volume	Overflow Volume	Time-Peak (mins)		
		(m³)	(m³)	(m³)			
15 min Summer	53.202	0.0	3.1	0.0	17		
30 min Summer	34.019	0.0	3.9	0.0	31		
60 min Summer	20.914	0.0	4.9	0.0	56		
120 min Summer	12.569	0.0	5.8	0.0	88		
180 min Summer	9.274	0.0	6.5	0.0	122		
240 min Summer	7.460	0.0	6.9	0.0	156		
360 min Summer	5.480	0.0	7.6	0.0	222		
480 min Summer	4.400	0.0	8.2	0.0	286		
600 min Summer	3.709	0.0	8.6	0.0	348		
720 min Summer	3.225	0.0	9.0	0.0	408		
960 min Summer	2.586	0.0	9.6	0.0	522		
1440 min Summer	1.894	0.0	10.6	0.0	762		
2160 min Summer	1.386	0.0	11.6	0.0	1120		
2880 min Summer	1.111	0.0	12.4	0.0	1472		
4320 min Summer	0.813	0.0	13.6	0.0	2204		
5760 min Summer	0.651	0.0	14.5	0.0	2928		
7200 min Summer	0.548	0.0	15.3	0.0	3608		
8640 min Summer	0.476	0.0	15.9	0.0	4376		
10080 min Summer	0.423	0.0	16.5	0.0	5104		
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55 Shepherds Lane Dartford DA1 2NL							
Date 29/03/2022 08:05 File 7 Dorset.SRCX							
Designed by sheph Checked by							
Innovyze		Source Control 2020.1					
<u>Summary of Results for 5 year Return Period</u>							
Storm Event	Max Level (m)	Max Depth (m)	Max Control (1/s)	Max Overflow (1/s)	Max Σ Outflow (1/s)	Max Volume (m³)	Status
15 min Winter	51.531	0.131	0.5	0.0	0.5	3.1	O K
30 min Winter	51.559	0.159	0.5	0.0	0.5	3.8	O K
60 min Winter	51.577	0.177	0.5	0.0	0.5	4.2	O K
120 min Winter	51.577	0.177	0.5	0.0	0.5	4.3	O K
180 min Winter	51.569	0.169	0.5	0.0	0.5	4.1	O K
240 min Winter	51.558	0.158	0.5	0.0	0.5	3.8	O K
360 min Winter	51.533	0.133	0.5	0.0	0.5	3.2	O K
480 min Winter	51.511	0.111	0.5	0.0	0.5	2.7	O K
600 min Winter	51.492	0.092	0.5	0.0	0.5	2.2	O K
720 min Winter	51.477	0.077	0.5	0.0	0.5	1.9	O K
960 min Winter	51.460	0.060	0.4	0.0	0.4	1.4	O K
1440 min Winter	51.444	0.044	0.3	0.0	0.3	1.0	O K
2160 min Winter	51.433	0.033	0.3	0.0	0.3	0.8	O K
2880 min Winter	51.428	0.028	0.2	0.0	0.2	0.7	O K
4320 min Winter	51.423	0.023	0.1	0.0	0.1	0.5	O K
5760 min Winter	51.420	0.020	0.1	0.0	0.1	0.5	O K
7200 min Winter	51.418	0.018	0.1	0.0	0.1	0.4	O K
8640 min Winter	51.417	0.017	0.1	0.0	0.1	0.4	O K
10080 min Winter	51.416	0.016	0.1	0.0	0.1	0.4	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Winter	53.202	0.0	3.4	0.0	17		
30 min Winter	34.019	0.0	4.4	0.0	31		
60 min Winter	20.914	0.0	5.4	0.0	58		
120 min Winter	12.569	0.0	6.5	0.0	94		
180 min Winter	9.274	0.0	7.2	0.0	132		
240 min Winter	7.460	0.0	7.8	0.0	170		
360 min Winter	5.480	0.0	8.6	0.0	240		
480 min Winter	4.400	0.0	9.2	0.0	304		
600 min Winter	3.709	0.0	9.6	0.0	364		
720 min Winter	3.225	0.0	10.1	0.0	420		
960 min Winter	2.586	0.0	10.8	0.0	530		
1440 min Winter	1.894	0.0	11.8	0.0	764		
2160 min Winter	1.386	0.0	13.0	0.0	1108		
2880 min Winter	1.111	0.0	13.9	0.0	1468		
4320 min Winter	0.813	0.0	15.2	0.0	2168		
5760 min Winter	0.651	0.0	16.3	0.0	2936		
7200 min Winter	0.548	0.0	17.1	0.0	3736		
8640 min Winter	0.476	0.0	17.8	0.0	4352		
10080 min Winter	0.423	0.0	18.5	0.0	5112		
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55 Shepherds Lane Dartford DA1 2NL							
Date 29/03/2022 08:06 File 7 Dorset.SRCX				Designed by sheph Checked by			
Innovyze				Source Control 2020.1			
<u>Summary of Results for 10 year Return Period</u>							
Storm Event	Max Level (m)	Max Depth (m)	Max Control (1/s)	Max Overflow (1/s)	Max Outflow (1/s)	Max Volume (m³)	Status
15 min Winter	51.554	0.154	0.5	0.0	0.5	3.7	O K
30 min Winter	51.589	0.189	0.5	0.0	0.5	4.5	O K
60 min Winter	51.613	0.213	0.5	0.0	0.5	5.1	O K
120 min Winter	51.617	0.217	0.5	0.0	0.5	5.2	O K
180 min Winter	51.609	0.209	0.5	0.0	0.5	5.0	O K
240 min Winter	51.597	0.197	0.5	0.0	0.5	4.7	O K
360 min Winter	51.570	0.170	0.5	0.0	0.5	4.1	O K
480 min Winter	51.544	0.144	0.5	0.0	0.5	3.4	O K
600 min Winter	51.521	0.121	0.5	0.0	0.5	2.9	O K
720 min Winter	51.501	0.101	0.5	0.0	0.5	2.4	O K
960 min Winter	51.474	0.074	0.5	0.0	0.5	1.8	O K
1440 min Winter	51.451	0.051	0.4	0.0	0.4	1.2	O K
2160 min Winter	51.437	0.037	0.3	0.0	0.3	0.9	O K
2880 min Winter	51.430	0.030	0.2	0.0	0.2	0.7	O K
4320 min Winter	51.425	0.025	0.2	0.0	0.2	0.6	O K
5760 min Winter	51.421	0.021	0.1	0.0	0.1	0.5	O K
7200 min Winter	51.419	0.019	0.1	0.0	0.1	0.5	O K
8640 min Winter	51.418	0.018	0.1	0.0	0.1	0.4	O K
10080 min Winter	51.417	0.017	0.1	0.0	0.1	0.4	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Winter	61.857	0.0	4.0	0.0	18		
30 min Winter	39.738	0.0	5.2	0.0	32		
60 min Winter	24.486	0.0	6.4	0.0	60		
120 min Winter	14.707	0.0	7.6	0.0	100		
180 min Winter	10.829	0.0	8.4	0.0	138		
240 min Winter	8.691	0.0	9.0	0.0	174		
360 min Winter	6.364	0.0	9.9	0.0	246		
480 min Winter	5.097	0.0	10.6	0.0	314		
600 min Winter	4.290	0.0	11.2	0.0	376		
720 min Winter	3.724	0.0	11.6	0.0	434		
960 min Winter	2.979	0.0	12.4	0.0	548		
1440 min Winter	2.173	0.0	13.6	0.0	776		
2160 min Winter	1.584	0.0	14.8	0.0	1128		
2880 min Winter	1.266	0.0	15.8	0.0	1496		
4320 min Winter	0.922	0.0	17.3	0.0	2236		
5760 min Winter	0.736	0.0	18.4	0.0	2936		
7200 min Winter	0.618	0.0	19.3	0.0	3624		
8640 min Winter	0.536	0.0	20.1	0.0	4376		
10080 min Winter	0.475	0.0	20.7	0.0	5048		

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Date 29/03/2022 08:06 File 7 Dorset.SRCX				Designed by sheph Checked by			
Innovyze				Source Control 2020.1			
<u>Summary of Results for 30 year Return Period</u>							
Storm Event	Max Level (m)	Max Depth (m)	Max Control (l/s)	Max Overflow (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
15 min Summer	51.576	0.176	0.5	0.0	0.5	4.2	O K
30 min Summer	51.619	0.219	0.5	0.0	0.5	5.3	O K
60 min Summer	51.651	0.251	0.5	0.0	0.5	6.0	O K
120 min Summer	51.660	0.260	0.5	0.0	0.5	6.2	O K
180 min Summer	51.655	0.255	0.5	0.0	0.5	6.1	O K
240 min Summer	51.646	0.246	0.5	0.0	0.5	5.9	O K
360 min Summer	51.626	0.226	0.5	0.0	0.5	5.4	O K
480 min Summer	51.605	0.205	0.5	0.0	0.5	4.9	O K
600 min Summer	51.586	0.186	0.5	0.0	0.5	4.5	O K
720 min Summer	51.568	0.168	0.5	0.0	0.5	4.0	O K
960 min Summer	51.536	0.136	0.5	0.0	0.5	3.3	O K
1440 min Summer	51.493	0.093	0.5	0.0	0.5	2.2	O K
2160 min Summer	51.462	0.062	0.4	0.0	0.4	1.5	O K
2880 min Summer	51.449	0.049	0.4	0.0	0.4	1.2	O K
4320 min Summer	51.436	0.036	0.3	0.0	0.3	0.9	O K
5760 min Summer	51.430	0.030	0.2	0.0	0.2	0.7	O K
7200 min Summer	51.426	0.026	0.2	0.0	0.2	0.6	O K
8640 min Summer	51.424	0.024	0.2	0.0	0.2	0.6	O K
10080 min Summer	51.422	0.022	0.1	0.0	0.1	0.5	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Summer	78.552	0.0	4.5	0.0	18		
30 min Summer	50.836	0.0	5.9	0.0	32		
60 min Summer	31.437	0.0	7.3	0.0	62		
120 min Summer	18.865	0.0	8.8	0.0	106		
180 min Summer	13.846	0.0	9.6	0.0	138		
240 min Summer	11.071	0.0	10.3	0.0	170		
360 min Summer	8.064	0.0	11.2	0.0	236		
480 min Summer	6.437	0.0	12.0	0.0	304		
600 min Summer	5.401	0.0	12.5	0.0	368		
720 min Summer	4.678	0.0	13.0	0.0	434		
960 min Summer	3.727	0.0	13.9	0.0	556		
1440 min Summer	2.703	0.0	15.1	0.0	782		
2160 min Summer	1.958	0.0	16.4	0.0	1124		
2880 min Summer	1.557	0.0	17.4	0.0	1476		
4320 min Summer	1.126	0.0	18.8	0.0	2204		
5760 min Summer	0.894	0.0	19.9	0.0	2936		
7200 min Summer	0.747	0.0	20.8	0.0	3672		
8640 min Summer	0.645	0.0	21.6	0.0	4400		
10080 min Summer	0.570	0.0	22.2	0.0	5040		
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Easy Flood Risk							Page 1
55 Shepherds Lane Dartford DA1 2NL							
Date 29/03/2022 08:07 File 7 Dorset.SRCX			Designed by sheph Checked by				
Innovyze			Source Control 2020.1				
<u>Summary of Results for 50 year Return Period</u>							
Storm Event	Max Level (m)	Max Depth (m)	Max Control (l/s)	Max Overflow (l/s)	Max Σ Outflow (l/s)	Max Volume (m³)	Status
15 min Summer	51.598	0.198	0.5	0.0	0.5	4.7	O K
30 min Summer	51.648	0.248	0.5	0.0	0.5	6.0	O K
60 min Summer	51.688	0.288	0.5	0.0	0.5	6.9	O K
120 min Summer	51.705	0.305	0.5	0.0	0.5	7.3	O K
180 min Summer	51.698	0.298	0.5	0.0	0.5	7.2	O K
240 min Summer	51.688	0.288	0.5	0.0	0.5	6.9	O K
360 min Summer	51.665	0.265	0.5	0.0	0.5	6.4	O K
480 min Summer	51.643	0.243	0.5	0.0	0.5	5.8	O K
600 min Summer	51.622	0.222	0.5	0.0	0.5	5.3	O K
720 min Summer	51.602	0.202	0.5	0.0	0.5	4.8	O K
960 min Summer	51.566	0.166	0.5	0.0	0.5	4.0	O K
1440 min Summer	51.514	0.114	0.5	0.0	0.5	2.7	O K
2160 min Summer	51.471	0.071	0.5	0.0	0.5	1.7	O K
2880 min Summer	51.455	0.055	0.4	0.0	0.4	1.3	O K
4320 min Summer	51.440	0.040	0.3	0.0	0.3	1.0	O K
5760 min Summer	51.432	0.032	0.2	0.0	0.2	0.8	O K
7200 min Summer	51.428	0.028	0.2	0.0	0.2	0.7	O K
8640 min Summer	51.425	0.025	0.2	0.0	0.2	0.6	O K
10080 min Summer	51.424	0.024	0.2	0.0	0.2	0.6	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Summer	87.781	0.0	5.1	0.0	18		
30 min Summer	57.004	0.0	6.6	0.0	32		
60 min Summer	35.310	0.0	8.2	0.0	62		
120 min Summer	21.181	0.0	9.8	0.0	120		
180 min Summer	15.523	0.0	10.8	0.0	150		
240 min Summer	12.389	0.0	11.5	0.0	178		
360 min Summer	9.003	0.0	12.5	0.0	244		
480 min Summer	7.175	0.0	13.3	0.0	310		
600 min Summer	6.012	0.0	14.0	0.0	376		
720 min Summer	5.202	0.0	14.5	0.0	440		
960 min Summer	4.137	0.0	15.4	0.0	566		
1440 min Summer	2.992	0.0	16.7	0.0	796		
2160 min Summer	2.161	0.0	18.1	0.0	1144		
2880 min Summer	1.714	0.0	19.1	0.0	1476		
4320 min Summer	1.235	0.0	20.7	0.0	2204		
5760 min Summer	0.978	0.0	21.8	0.0	2936		
7200 min Summer	0.816	0.0	22.8	0.0	3648		
8640 min Summer	0.704	0.0	23.5	0.0	4408		
10080 min Summer	0.621	0.0	24.2	0.0	5088		
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Easy Flood Risk							Page 2
55 Shepherds Lane Dartford DA1 2NL							
Date 29/03/2022 08:07 File 7 Dorset.SRCX				Designed by sheph Checked by			
Innovyze				Source Control 2020.1			
<u>Summary of Results for 50 year Return Period</u>							
Storm Event	Max Level (m)	Max Depth (m)	Max Control (1/s)	Max Overflow (1/s)	Max Σ Outflow (1/s)	Max Volume (m³)	Status
15 min Winter	51.623	0.223	0.5	0.0	0.5	5.4	O K
30 min Winter	51.681	0.281	0.5	0.0	0.5	6.8	O K
60 min Winter	51.730	0.330	0.5	0.0	0.5	7.9	O K
120 min Winter	51.754	0.354	0.5	0.0	0.5	8.5	O K
180 min Winter	51.749	0.349	0.5	0.0	0.5	8.4	O K
240 min Winter	51.734	0.334	0.5	0.0	0.5	8.0	O K
360 min Winter	51.702	0.302	0.5	0.0	0.5	7.2	O K
480 min Winter	51.667	0.267	0.5	0.0	0.5	6.4	O K
600 min Winter	51.633	0.233	0.5	0.0	0.5	5.6	O K
720 min Winter	51.602	0.202	0.5	0.0	0.5	4.8	O K
960 min Winter	51.549	0.149	0.5	0.0	0.5	3.6	O K
1440 min Winter	51.484	0.084	0.5	0.0	0.5	2.0	O K
2160 min Winter	51.452	0.052	0.4	0.0	0.4	1.2	O K
2880 min Winter	51.440	0.040	0.3	0.0	0.3	1.0	O K
4320 min Winter	51.430	0.030	0.2	0.0	0.2	0.7	O K
5760 min Winter	51.426	0.026	0.2	0.0	0.2	0.6	O K
7200 min Winter	51.423	0.023	0.1	0.0	0.1	0.5	O K
8640 min Winter	51.421	0.021	0.1	0.0	0.1	0.5	O K
10080 min Winter	51.419	0.019	0.1	0.0	0.1	0.5	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Winter	87.781	0.0	5.7	0.0	18		
30 min Winter	57.004	0.0	7.4	0.0	32		
60 min Winter	35.310	0.0	9.2	0.0	60		
120 min Winter	21.181	0.0	11.0	0.0	118		
180 min Winter	15.523	0.0	12.1	0.0	170		
240 min Winter	12.389	0.0	12.9	0.0	196		
360 min Winter	9.003	0.0	14.1	0.0	270		
480 min Winter	7.175	0.0	14.9	0.0	340		
600 min Winter	6.012	0.0	15.6	0.0	408		
720 min Winter	5.202	0.0	16.2	0.0	472		
960 min Winter	4.137	0.0	17.2	0.0	596		
1440 min Winter	2.992	0.0	18.7	0.0	810		
2160 min Winter	2.161	0.0	20.2	0.0	1136		
2880 min Winter	1.714	0.0	21.4	0.0	1496		
4320 min Winter	1.235	0.0	23.1	0.0	2196		
5760 min Winter	0.978	0.0	24.4	0.0	2928		
7200 min Winter	0.816	0.0	25.5	0.0	3616		
8640 min Winter	0.704	0.0	26.4	0.0	4240		
10080 min Winter	0.621	0.0	27.1	0.0	5136		
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Easy Flood Risk		Page 1																																																																																																																																																																																																																																																																																									
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Summary of Results for 100 year Return Period <table><tr><th>Storm Event</th><th>Max Level (m)</th><th>Max Depth (m)</th><th>Max Control (1/s)</th><th>Max Overflow (1/s)</th><th>Max E Outflow (1/s)</th><th>Max Volume (m³)</th><th>Status</th></tr><tr><td>15 min Summer</td><td>51.632</td><td>0.232</td><td>0.5</td><td>0.0</td><td>0.5</td><td>5.6</td><td>O K</td></tr><tr><td>30 min Summer</td><td>51.694</td><td>0.294</td><td>0.5</td><td>0.0</td><td>0.5</td><td>7.1</td><td>O K</td></tr><tr><td>60 min Summer</td><td>51.747</td><td>0.347</td><td>0.5</td><td>0.0</td><td>0.5</td><td>8.3</td><td>O K</td></tr><tr><td>120 min Summer</td><td>51.772</td><td>0.372</td><td>0.5</td><td>0.0</td><td>0.5</td><td>8.9</td><td>O K</td></tr><tr><td>180 min Summer</td><td>51.767</td><td>0.367</td><td>0.5</td><td>0.0</td><td>0.5</td><td>8.8</td><td>O K</td></tr><tr><td>240 min Summer</td><td>51.756</td><td>0.356</td><td>0.5</td><td>0.0</td><td>0.5</td><td>8.6</td><td>O K</td></tr><tr><td>360 min Summer</td><td>51.734</td><td>0.334</td><td>0.5</td><td>0.0</td><td>0.5</td><td>8.0</td><td>O K</td></tr><tr><td>480 min Summer</td><td>51.708</td><td>0.308</td><td>0.5</td><td>0.0</td><td>0.5</td><td>7.4</td><td>O K</td></tr><tr><td>600 min Summer</td><td>51.683</td><td>0.283</td><td>0.5</td><td>0.0</td><td>0.5</td><td>6.8</td><td>O K</td></tr><tr><td>720 min Summer</td><td>51.659</td><td>0.259</td><td>0.5</td><td>0.0</td><td>0.5</td><td>6.2</td><td>O K</td></tr><tr><td>960 min Summer</td><td>51.617</td><td>0.217</td><td>0.5</td><td>0.0</td><td>0.5</td><td>5.2</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>51.551</td><td>0.151</td><td>0.5</td><td>0.0</td><td>0.5</td><td>3.6</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>51.492</td><td>0.092</td><td>0.5</td><td>0.0</td><td>0.5</td><td>2.2</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>51.464</td><td>0.064</td><td>0.4</td><td>0.0</td><td>0.4</td><td>1.5</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>51.445</td><td>0.045</td><td>0.3</td><td>0.0</td><td>0.3</td><td>1.1</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>51.436</td><td>0.036</td><td>0.3</td><td>0.0</td><td>0.3</td><td>0.9</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>51.431</td><td>0.031</td><td>0.2</td><td>0.0</td><td>0.2</td><td>0.7</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>51.428</td><td>0.028</td><td>0.2</td><td>0.0</td><td>0.2</td><td>0.7</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>51.425</td><td>0.025</td><td>0.2</td><td>0.0</td><td>0.2</td><td>0.6</td><td>O K</td></tr></table> <table><tr><th>Storm Event</th><th>Rain (mm/hr)</th><th>Flooded Volume (m³)</th><th>Discharge Volume (m³)</th><th>Overflow Volume (m³)</th><th>Time-Peak (mins)</th></tr><tr><td>15 min Summer</td><td>102.063</td><td>0.0</td><td>5.9</td><td>0.0</td><td>18</td></tr><tr><td>30 min Summer</td><td>66.587</td><td>0.0</td><td>7.7</td><td>0.0</td><td>33</td></tr><tr><td>60 min Summer</td><td>41.341</td><td>0.0</td><td>9.6</td><td>0.0</td><td>62</td></tr><tr><td>120 min Summer</td><td>24.784</td><td>0.0</td><td>11.5</td><td>0.0</td><td>120</td></tr><tr><td>180 min Summer</td><td>18.127</td><td>0.0</td><td>12.6</td><td>0.0</td><td>162</td></tr><tr><td>240 min Summer</td><td>14.433</td><td>0.0</td><td>13.4</td><td>0.0</td><td>192</td></tr><tr><td>360 min Summer</td><td>10.455</td><td>0.0</td><td>14.6</td><td>0.0</td><td>258</td></tr><tr><td>480 min Summer</td><td>8.313</td><td>0.0</td><td>15.4</td><td>0.0</td><td>326</td></tr><tr><td>600 min Summer</td><td>6.953</td><td>0.0</td><td>16.2</td><td>0.0</td><td>388</td></tr><tr><td>720 min Summer</td><td>6.007</td><td>0.0</td><td>16.7</td><td>0.0</td><td>454</td></tr><tr><td>960 min Summer</td><td>4.765</td><td>0.0</td><td>17.7</td><td>0.0</td><td>578</td></tr><tr><td>1440 min Summer</td><td>3.433</td><td>0.0</td><td>19.1</td><td>0.0</td><td>822</td></tr><tr><td>2160 min Summer</td><td>2.469</td><td>0.0</td><td>20.7</td><td>0.0</td><td>1152</td></tr><tr><td>2880 min Summer</td><td>1.953</td><td>0.0</td><td>21.8</td><td>0.0</td><td>1496</td></tr><tr><td>4320 min Summer</td><td>1.401</td><td>0.0</td><td>23.4</td><td>0.0</td><td>2204</td></tr><tr><td>5760 min Summer</td><td>1.106</td><td>0.0</td><td>24.7</td><td>0.0</td><td>2936</td></tr><tr><td>7200 min Summer</td><td>0.920</td><td>0.0</td><td>25.7</td><td>0.0</td><td>3672</td></tr><tr><td>8640 min Summer</td><td>0.791</td><td>0.0</td><td>26.5</td><td>0.0</td><td>4400</td></tr><tr><td>10080 min Summer</td><td>0.697</td><td>0.0</td><td>27.2</td><td>0.0</td><td>5072</td></tr></table>				Storm Event	Max Level (m)	Max Depth (m)	Max Control (1/s)	Max Overflow (1/s)	Max E Outflow (1/s)	Max Volume (m³)	Status	15 min Summer	51.632	0.232	0.5	0.0	0.5	5.6	O K	30 min Summer	51.694	0.294	0.5	0.0	0.5	7.1	O K	60 min Summer	51.747	0.347	0.5	0.0	0.5	8.3	O K	120 min Summer	51.772	0.372	0.5	0.0	0.5	8.9	O K	180 min Summer	51.767	0.367	0.5	0.0	0.5	8.8	O K	240 min Summer	51.756	0.356	0.5	0.0	0.5	8.6	O K	360 min Summer	51.734	0.334	0.5	0.0	0.5	8.0	O K	480 min Summer	51.708	0.308	0.5	0.0	0.5	7.4	O K	600 min Summer	51.683	0.283	0.5	0.0	0.5	6.8	O K	720 min Summer	51.659	0.259	0.5	0.0	0.5	6.2	O K	960 min Summer	51.617	0.217	0.5	0.0	0.5	5.2	O K	1440 min Summer	51.551	0.151	0.5	0.0	0.5	3.6	O K	2160 min Summer	51.492	0.092	0.5	0.0	0.5	2.2	O K	2880 min Summer	51.464	0.064	0.4	0.0	0.4	1.5	O K	4320 min Summer	51.445	0.045	0.3	0.0	0.3	1.1	O K	5760 min Summer	51.436	0.036	0.3	0.0	0.3	0.9	O K	7200 min Summer	51.431	0.031	0.2	0.0	0.2	0.7	O K	8640 min Summer	51.428	0.028	0.2	0.0	0.2	0.7	O K	10080 min Summer	51.425	0.025	0.2	0.0	0.2	0.6	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)	15 min Summer	102.063	0.0	5.9	0.0	18	30 min Summer	66.587	0.0	7.7	0.0	33	60 min Summer	41.341	0.0	9.6	0.0	62	120 min Summer	24.784	0.0	11.5	0.0	120	180 min Summer	18.127	0.0	12.6	0.0	162	240 min Summer	14.433	0.0	13.4	0.0	192	360 min Summer	10.455	0.0	14.6	0.0	258	480 min Summer	8.313	0.0	15.4	0.0	326	600 min Summer	6.953	0.0	16.2	0.0	388	720 min Summer	6.007	0.0	16.7	0.0	454	960 min Summer	4.765	0.0	17.7	0.0	578	1440 min Summer	3.433	0.0	19.1	0.0	822	2160 min Summer	2.469	0.0	20.7	0.0	1152	2880 min Summer	1.953	0.0	21.8	0.0	1496	4320 min Summer	1.401	0.0	23.4	0.0	2204	5760 min Summer	1.106	0.0	24.7	0.0	2936	7200 min Summer	0.920	0.0	25.7	0.0	3672	8640 min Summer	0.791	0.0	26.5	0.0	4400	10080 min Summer	0.697	0.0	27.2	0.0	5072
Storm Event	Max Level (m)	Max Depth (m)	Max Control (1/s)	Max Overflow (1/s)	Max E Outflow (1/s)	Max Volume (m³)	Status																																																																																																																																																																																																																																																																																				
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240 min Summer	51.756	0.356	0.5	0.0	0.5	8.6	O K																																																																																																																																																																																																																																																																																				
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720 min Summer	51.659	0.259	0.5	0.0	0.5	6.2	O K																																																																																																																																																																																																																																																																																				
960 min Summer	51.617	0.217	0.5	0.0	0.5	5.2	O K																																																																																																																																																																																																																																																																																				
1440 min Summer	51.551	0.151	0.5	0.0	0.5	3.6	O K																																																																																																																																																																																																																																																																																				
2160 min Summer	51.492	0.092	0.5	0.0	0.5	2.2	O K																																																																																																																																																																																																																																																																																				
2880 min Summer	51.464	0.064	0.4	0.0	0.4	1.5	O K																																																																																																																																																																																																																																																																																				
4320 min Summer	51.445	0.045	0.3	0.0	0.3	1.1	O K																																																																																																																																																																																																																																																																																				
5760 min Summer	51.436	0.036	0.3	0.0	0.3	0.9	O K																																																																																																																																																																																																																																																																																				
7200 min Summer	51.431	0.031	0.2	0.0	0.2	0.7	O K																																																																																																																																																																																																																																																																																				
8640 min Summer	51.428	0.028	0.2	0.0	0.2	0.7	O K																																																																																																																																																																																																																																																																																				
10080 min Summer	51.425	0.025	0.2	0.0	0.2	0.6	O K																																																																																																																																																																																																																																																																																				
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)																																																																																																																																																																																																																																																																																						
15 min Summer	102.063	0.0	5.9	0.0	18																																																																																																																																																																																																																																																																																						
30 min Summer	66.587	0.0	7.7	0.0	33																																																																																																																																																																																																																																																																																						
60 min Summer	41.341	0.0	9.6	0.0	62																																																																																																																																																																																																																																																																																						
120 min Summer	24.784	0.0	11.5	0.0	120																																																																																																																																																																																																																																																																																						
180 min Summer	18.127	0.0	12.6	0.0	162																																																																																																																																																																																																																																																																																						
240 min Summer	14.433	0.0	13.4	0.0	192																																																																																																																																																																																																																																																																																						
360 min Summer	10.455	0.0	14.6	0.0	258																																																																																																																																																																																																																																																																																						
480 min Summer	8.313	0.0	15.4	0.0	326																																																																																																																																																																																																																																																																																						
600 min Summer	6.953	0.0	16.2	0.0	388																																																																																																																																																																																																																																																																																						
720 min Summer	6.007	0.0	16.7	0.0	454																																																																																																																																																																																																																																																																																						
960 min Summer	4.765	0.0	17.7	0.0	578																																																																																																																																																																																																																																																																																						
1440 min Summer	3.433	0.0	19.1	0.0	822																																																																																																																																																																																																																																																																																						
2160 min Summer	2.469	0.0	20.7	0.0	1152																																																																																																																																																																																																																																																																																						
2880 min Summer	1.953	0.0	21.8	0.0	1496																																																																																																																																																																																																																																																																																						
4320 min Summer	1.401	0.0	23.4	0.0	2204																																																																																																																																																																																																																																																																																						
5760 min Summer	1.106	0.0	24.7	0.0	2936																																																																																																																																																																																																																																																																																						
7200 min Summer	0.920	0.0	25.7	0.0	3672																																																																																																																																																																																																																																																																																						
8640 min Summer	0.791	0.0	26.5	0.0	4400																																																																																																																																																																																																																																																																																						
10080 min Summer	0.697	0.0	27.2	0.0	5072																																																																																																																																																																																																																																																																																						
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