

Appendix R Attenuation Storage Modelling Output Summary (100 year plus 40% CC)

Easy Flood Risk		Page 1																																																																																																																																																																																																																																																																																									
55 Shepherds Lane Dartford DA1 2NL																																																																																																																																																																																																																																																																																											
Date 24/01/2023 06:16 File Nutts Lane.SRCX																																																																																																																																																																																																																																																																																											
Innovyze		Source Control 2020.1																																																																																																																																																																																																																																																																																									
Summary of Results for 100 year Return Period (+40%) <table><thead><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 Outflow (1/s)</th><th>Max Volume (m³)</th><th>Status</th></tr></thead><tbody><tr><td>15 min Summer</td><td>89.133</td><td>0.383</td><td>1.0</td><td>0.0</td><td>1.0</td><td>53.7</td><td>O K</td></tr><tr><td>30 min Summer</td><td>89.251</td><td>0.501</td><td>1.0</td><td>0.0</td><td>1.0</td><td>70.1</td><td>O K</td></tr><tr><td>60 min Summer</td><td>89.368</td><td>0.618</td><td>1.0</td><td>0.0</td><td>1.0</td><td>86.6</td><td>O K</td></tr><tr><td>120 min Summer</td><td>89.479</td><td>0.729</td><td>1.0</td><td>0.0</td><td>1.0</td><td>102.1</td><td>O K</td></tr><tr><td>180 min Summer</td><td>89.534</td><td>0.784</td><td>1.0</td><td>0.4</td><td>1.4</td><td>109.7</td><td>O K</td></tr><tr><td>240 min Summer</td><td>89.557</td><td>0.807</td><td>1.0</td><td>0.7</td><td>1.8</td><td>113.0</td><td>O K</td></tr><tr><td>360 min Summer</td><td>89.571</td><td>0.821</td><td>1.0</td><td>0.9</td><td>1.9</td><td>114.9</td><td>O K</td></tr><tr><td>480 min Summer</td><td>89.570</td><td>0.820</td><td>1.0</td><td>0.9</td><td>1.9</td><td>114.8</td><td>O K</td></tr><tr><td>600 min Summer</td><td>89.569</td><td>0.819</td><td>1.0</td><td>0.9</td><td>1.9</td><td>114.6</td><td>O K</td></tr><tr><td>720 min Summer</td><td>89.566</td><td>0.816</td><td>1.0</td><td>0.8</td><td>1.9</td><td>114.3</td><td>O K</td></tr><tr><td>960 min Summer</td><td>89.560</td><td>0.810</td><td>1.0</td><td>0.8</td><td>1.8</td><td>113.3</td><td>O K</td></tr><tr><td>1440 min Summer</td><td>89.543</td><td>0.793</td><td>1.0</td><td>0.5</td><td>1.6</td><td>111.0</td><td>O K</td></tr><tr><td>2160 min Summer</td><td>89.516</td><td>0.766</td><td>1.0</td><td>0.1</td><td>1.1</td><td>107.3</td><td>O K</td></tr><tr><td>2880 min Summer</td><td>89.472</td><td>0.722</td><td>1.0</td><td>0.0</td><td>1.0</td><td>101.1</td><td>O K</td></tr><tr><td>4320 min Summer</td><td>89.384</td><td>0.634</td><td>1.0</td><td>0.0</td><td>1.0</td><td>88.8</td><td>O K</td></tr><tr><td>5760 min Summer</td><td>89.303</td><td>0.553</td><td>1.0</td><td>0.0</td><td>1.0</td><td>77.5</td><td>O K</td></tr><tr><td>7200 min Summer</td><td>89.226</td><td>0.476</td><td>1.0</td><td>0.0</td><td>1.0</td><td>66.6</td><td>O K</td></tr><tr><td>8640 min Summer</td><td>89.133</td><td>0.383</td><td>1.0</td><td>0.0</td><td>1.0</td><td>53.6</td><td>O K</td></tr><tr><td>10080 min Summer</td><td>89.056</td><td>0.306</td><td>1.0</td><td>0.0</td><td>1.0</td><td>42.9</td><td>O K</td></tr></tbody></table> <table><thead><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></thead><tbody><tr><td>15 min Summer</td><td>138.153</td><td>0.0</td><td>53.1</td><td>0.0</td><td>19</td></tr><tr><td>30 min Summer</td><td>90.705</td><td>0.0</td><td>68.7</td><td>0.0</td><td>34</td></tr><tr><td>60 min Summer</td><td>56.713</td><td>0.0</td><td>88.8</td><td>0.0</td><td>64</td></tr><tr><td>120 min Summer</td><td>34.246</td><td>0.0</td><td>107.1</td><td>0.0</td><td>124</td></tr><tr><td>180 min Summer</td><td>25.149</td><td>0.0</td><td>117.9</td><td>0.8</td><td>182</td></tr><tr><td>240 min Summer</td><td>20.078</td><td>0.0</td><td>125.5</td><td>3.3</td><td>242</td></tr><tr><td>360 min Summer</td><td>14.585</td><td>0.0</td><td>136.6</td><td>7.3</td><td>360</td></tr><tr><td>480 min Summer</td><td>11.622</td><td>0.0</td><td>144.9</td><td>10.1</td><td>428</td></tr><tr><td>600 min Summer</td><td>9.738</td><td>0.0</td><td>151.5</td><td>11.7</td><td>488</td></tr><tr><td>720 min Summer</td><td>8.424</td><td>0.0</td><td>156.7</td><td>12.6</td><td>554</td></tr><tr><td>960 min Summer</td><td>6.697</td><td>0.0</td><td>163.3</td><td>12.3</td><td>686</td></tr><tr><td>1440 min Summer</td><td>4.839</td><td>0.0</td><td>156.8</td><td>7.8</td><td>982</td></tr><tr><td>2160 min Summer</td><td>3.490</td><td>0.0</td><td>197.5</td><td>1.1</td><td>1472</td></tr><tr><td>2880 min Summer</td><td>2.766</td><td>0.0</td><td>208.6</td><td>0.0</td><td>1932</td></tr><tr><td>4320 min Summer</td><td>1.989</td><td>0.0</td><td>224.5</td><td>0.0</td><td>2764</td></tr><tr><td>5760 min Summer</td><td>1.573</td><td>0.0</td><td>237.7</td><td>0.0</td><td>3576</td></tr><tr><td>7200 min Summer</td><td>1.311</td><td>0.0</td><td>247.5</td><td>0.0</td><td>4400</td></tr><tr><td>8640 min Summer</td><td>1.129</td><td>0.0</td><td>255.7</td><td>0.0</td><td>5104</td></tr><tr><td>10080 min Summer</td><td>0.994</td><td>0.0</td><td>262.6</td><td>0.0</td><td>5752</td></tr></tbody></table>				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 Summer	89.133	0.383	1.0	0.0	1.0	53.7	O K	30 min Summer	89.251	0.501	1.0	0.0	1.0	70.1	O K	60 min Summer	89.368	0.618	1.0	0.0	1.0	86.6	O K	120 min Summer	89.479	0.729	1.0	0.0	1.0	102.1	O K	180 min Summer	89.534	0.784	1.0	0.4	1.4	109.7	O K	240 min Summer	89.557	0.807	1.0	0.7	1.8	113.0	O K	360 min Summer	89.571	0.821	1.0	0.9	1.9	114.9	O K	480 min Summer	89.570	0.820	1.0	0.9	1.9	114.8	O K	600 min Summer	89.569	0.819	1.0	0.9	1.9	114.6	O K	720 min Summer	89.566	0.816	1.0	0.8	1.9	114.3	O K	960 min Summer	89.560	0.810	1.0	0.8	1.8	113.3	O K	1440 min Summer	89.543	0.793	1.0	0.5	1.6	111.0	O K	2160 min Summer	89.516	0.766	1.0	0.1	1.1	107.3	O K	2880 min Summer	89.472	0.722	1.0	0.0	1.0	101.1	O K	4320 min Summer	89.384	0.634	1.0	0.0	1.0	88.8	O K	5760 min Summer	89.303	0.553	1.0	0.0	1.0	77.5	O K	7200 min Summer	89.226	0.476	1.0	0.0	1.0	66.6	O K	8640 min Summer	89.133	0.383	1.0	0.0	1.0	53.6	O K	10080 min Summer	89.056	0.306	1.0	0.0	1.0	42.9	O K	Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)	15 min Summer	138.153	0.0	53.1	0.0	19	30 min Summer	90.705	0.0	68.7	0.0	34	60 min Summer	56.713	0.0	88.8	0.0	64	120 min Summer	34.246	0.0	107.1	0.0	124	180 min Summer	25.149	0.0	117.9	0.8	182	240 min Summer	20.078	0.0	125.5	3.3	242	360 min Summer	14.585	0.0	136.6	7.3	360	480 min Summer	11.622	0.0	144.9	10.1	428	600 min Summer	9.738	0.0	151.5	11.7	488	720 min Summer	8.424	0.0	156.7	12.6	554	960 min Summer	6.697	0.0	163.3	12.3	686	1440 min Summer	4.839	0.0	156.8	7.8	982	2160 min Summer	3.490	0.0	197.5	1.1	1472	2880 min Summer	2.766	0.0	208.6	0.0	1932	4320 min Summer	1.989	0.0	224.5	0.0	2764	5760 min Summer	1.573	0.0	237.7	0.0	3576	7200 min Summer	1.311	0.0	247.5	0.0	4400	8640 min Summer	1.129	0.0	255.7	0.0	5104	10080 min Summer	0.994	0.0	262.6	0.0	5752
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 Summer	89.133	0.383	1.0	0.0	1.0	53.7	O K																																																																																																																																																																																																																																																																																				
30 min Summer	89.251	0.501	1.0	0.0	1.0	70.1	O K																																																																																																																																																																																																																																																																																				
60 min Summer	89.368	0.618	1.0	0.0	1.0	86.6	O K																																																																																																																																																																																																																																																																																				
120 min Summer	89.479	0.729	1.0	0.0	1.0	102.1	O K																																																																																																																																																																																																																																																																																				
180 min Summer	89.534	0.784	1.0	0.4	1.4	109.7	O K																																																																																																																																																																																																																																																																																				
240 min Summer	89.557	0.807	1.0	0.7	1.8	113.0	O K																																																																																																																																																																																																																																																																																				
360 min Summer	89.571	0.821	1.0	0.9	1.9	114.9	O K																																																																																																																																																																																																																																																																																				
480 min Summer	89.570	0.820	1.0	0.9	1.9	114.8	O K																																																																																																																																																																																																																																																																																				
600 min Summer	89.569	0.819	1.0	0.9	1.9	114.6	O K																																																																																																																																																																																																																																																																																				
720 min Summer	89.566	0.816	1.0	0.8	1.9	114.3	O K																																																																																																																																																																																																																																																																																				
960 min Summer	89.560	0.810	1.0	0.8	1.8	113.3	O K																																																																																																																																																																																																																																																																																				
1440 min Summer	89.543	0.793	1.0	0.5	1.6	111.0	O K																																																																																																																																																																																																																																																																																				
2160 min Summer	89.516	0.766	1.0	0.1	1.1	107.3	O K																																																																																																																																																																																																																																																																																				
2880 min Summer	89.472	0.722	1.0	0.0	1.0	101.1	O K																																																																																																																																																																																																																																																																																				
4320 min Summer	89.384	0.634	1.0	0.0	1.0	88.8	O K																																																																																																																																																																																																																																																																																				
5760 min Summer	89.303	0.553	1.0	0.0	1.0	77.5	O K																																																																																																																																																																																																																																																																																				
7200 min Summer	89.226	0.476	1.0	0.0	1.0	66.6	O K																																																																																																																																																																																																																																																																																				
8640 min Summer	89.133	0.383	1.0	0.0	1.0	53.6	O K																																																																																																																																																																																																																																																																																				
10080 min Summer	89.056	0.306	1.0	0.0	1.0	42.9	O K																																																																																																																																																																																																																																																																																				
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)																																																																																																																																																																																																																																																																																						
15 min Summer	138.153	0.0	53.1	0.0	19																																																																																																																																																																																																																																																																																						
30 min Summer	90.705	0.0	68.7	0.0	34																																																																																																																																																																																																																																																																																						
60 min Summer	56.713	0.0	88.8	0.0	64																																																																																																																																																																																																																																																																																						
120 min Summer	34.246	0.0	107.1	0.0	124																																																																																																																																																																																																																																																																																						
180 min Summer	25.149	0.0	117.9	0.8	182																																																																																																																																																																																																																																																																																						
240 min Summer	20.078	0.0	125.5	3.3	242																																																																																																																																																																																																																																																																																						
360 min Summer	14.585	0.0	136.6	7.3	360																																																																																																																																																																																																																																																																																						
480 min Summer	11.622	0.0	144.9	10.1	428																																																																																																																																																																																																																																																																																						
600 min Summer	9.738	0.0	151.5	11.7	488																																																																																																																																																																																																																																																																																						
720 min Summer	8.424	0.0	156.7	12.6	554																																																																																																																																																																																																																																																																																						
960 min Summer	6.697	0.0	163.3	12.3	686																																																																																																																																																																																																																																																																																						
1440 min Summer	4.839	0.0	156.8	7.8	982																																																																																																																																																																																																																																																																																						
2160 min Summer	3.490	0.0	197.5	1.1	1472																																																																																																																																																																																																																																																																																						
2880 min Summer	2.766	0.0	208.6	0.0	1932																																																																																																																																																																																																																																																																																						
4320 min Summer	1.989	0.0	224.5	0.0	2764																																																																																																																																																																																																																																																																																						
5760 min Summer	1.573	0.0	237.7	0.0	3576																																																																																																																																																																																																																																																																																						
7200 min Summer	1.311	0.0	247.5	0.0	4400																																																																																																																																																																																																																																																																																						
8640 min Summer	1.129	0.0	255.7	0.0	5104																																																																																																																																																																																																																																																																																						
10080 min Summer	0.994	0.0	262.6	0.0	5752																																																																																																																																																																																																																																																																																						
©1982-2020 Innovyze																																																																																																																																																																																																																																																																																											

Easy Flood Risk							Page 2
55 Shepherds Lane Dartford DA1 2NL							
Date 24/01/2023 06:16 File Nutts Lane.SRCX				Designed by sheph Checked by			
Innovyze				Source Control 2020.1			
<u>Summary of Results for 100 year Return Period (+40%)</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	89.180	0.430	1.0	0.0	1.0	60.2	O K
30 min Winter	89.311	0.561	1.0	0.0	1.0	78.6	O K
60 min Winter	89.444	0.694	1.0	0.0	1.0	97.2	O K
120 min Winter	89.565	0.815	1.0	0.8	1.9	114.1	O K
180 min Winter	89.617	0.867	1.1	1.0	2.1	121.4	O K
240 min Winter	89.644	0.894	1.1	1.0	2.1	125.2	O K
360 min Winter	89.670	0.920	1.1	1.0	2.1	128.8	O K
480 min Winter	89.676	0.926	1.1	1.0	2.1	129.6	O K
600 min Winter	89.670	0.920	1.1	1.0	2.1	128.9	O K
720 min Winter	89.666	0.916	1.1	1.0	2.1	128.3	O K
960 min Winter	89.654	0.904	1.1	1.0	2.1	126.5	O K
1440 min Winter	89.616	0.866	1.1	1.0	2.1	121.2	O K
2160 min Winter	89.568	0.818	1.0	0.8	1.9	114.5	O K
2880 min Winter	89.538	0.788	1.0	0.5	1.5	110.3	O K
4320 min Winter	89.440	0.690	1.0	0.0	1.0	96.6	O K
5760 min Winter	89.320	0.570	1.0	0.0	1.0	79.8	O K
7200 min Winter	89.197	0.447	1.0	0.0	1.0	62.6	O K
8640 min Winter	89.053	0.303	1.0	0.0	1.0	42.4	O K
10080 min Winter	88.962	0.212	1.0	0.0	1.0	29.6	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Winter	138.153	0.0	59.3	0.0	19		
30 min Winter	90.705	0.0	74.7	0.0	33		
60 min Winter	56.713	0.0	99.4	0.0	62		
120 min Winter	34.246	0.0	119.9	3.0	120		
180 min Winter	25.149	0.0	132.1	8.4	178		
240 min Winter	20.078	0.0	140.5	11.9	236		
360 min Winter	14.585	0.0	152.9	16.6	348		
480 min Winter	11.622	0.0	162.1	19.7	456		
600 min Winter	9.738	0.0	169.2	22.0	548		
720 min Winter	8.424	0.0	174.8	23.7	570		
960 min Winter	6.697	0.0	180.8	26.0	722		
1440 min Winter	4.839	0.0	176.9	25.5	1022		
2160 min Winter	3.490	0.0	221.3	16.4	1468		
2880 min Winter	2.766	0.0	233.6	7.2	1960		
4320 min Winter	1.989	0.0	251.0	0.0	2984		
5760 min Winter	1.573	0.0	266.3	0.0	3864		
7200 min Winter	1.311	0.0	277.3	0.0	4760		
8640 min Winter	1.129	0.0	286.4	0.0	5280		
10080 min Winter	0.994	0.0	294.2	0.0	5856		
©1982-2020 Innovyze							

Easy Flood Risk		Page 3
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze Source Control 2020.1		

Rainfall Details

Rainfall Model	FSR	Winter Storms	Yes
Return Period (years)	100	Cv (Summer)	0.750
Region	England and Wales	Cv (Winter)	0.840
M5-60 (mm)	20.000	Shortest Storm (mins)	15
Ratio R	0.400	Longest Storm (mins)	10080
Summer Storms	Yes	Climate Change %	+40

Time Area Diagram

Total Area (ha) 0.210

Time (mins)	Area
From:	To: (ha)
0	4 0.210

©1982-2020 Innovyze

Easy Flood Risk

55 Shepherds Lane

Dartford

DA1 2NL

Date 24/01/2023 06:16

File Nutts Lane.SRCX

Innovyze

Page 4



Designed by sheph

Checked by

Source Control 2020.1

Model Details

Storage is Online Cover Level (m) 90.000

Tank or Pond Structure

Invert Level (m) 88.750

Depth (m)	Area (m ²)	Depth (m)	Area (m ²)
0.000	140.0	0.750	140.0

Hydro-Brake® Optimum Outflow Control

Unit Reference MD-SCL-0048-1000-0750-1000

Design Head (m) 0.750

Design Flow (l/s) 1.0

Flush-Flo™ Calculated

Objective Minimise blockage risk

Application Surface

Sump Available Yes

Diameter (mm) 48

Invert Level (m) 88.750

Minimum Outlet Pipe Diameter (mm) 75

Suggested Manhole Diameter (mm) 1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	0.750	1.0	Kick-Flo®	0.424	0.8
Flush-Flo™	0.196	1.0	Mean Flow over Head Range	-	0.9

The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	0.9	1.200	1.2	3.000	1.9	7.000	2.8
0.200	1.0	1.400	1.3	3.500	2.0	7.500	2.9
0.300	0.9	1.600	1.4	4.000	2.1	8.000	2.9
0.400	0.9	1.800	1.5	4.500	2.3	8.500	3.0
0.500	0.8	2.000	1.6	5.000	2.4	9.000	3.1
0.600	0.9	2.200	1.6	5.500	2.5	9.500	3.2
0.800	1.0	2.400	1.7	6.000	2.6		
1.000	1.1	2.600	1.7	6.500	2.7		

©1982-2020 Innovyze

Easy Flood Risk		Page 5
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze Source Control 2020.1		

Hydro-Brake® Optimum Overflow Control

Unit Reference	MD-SCL-0051-1000-0500-1000
Design Head (m)	0.500
Design Flow (l/s)	1.0
Flush-Flo™	Calculated
Objective	Minimise blockage risk
Application	Surface
Sump Available	Yes
Diameter (mm)	51
Invert Level (m)	89.500
Minimum Outlet Pipe Diameter (mm)	75
Suggested Manhole Diameter (mm)	1200

Control Points	Head (m)	Flow (l/s)	Control Points	Head (m)	Flow (l/s)
Design Point (Calculated)	0.500	1.0	Kick-Flo®	0.306	0.8
Flush-Flo™	0.127	1.0	Mean Flow over Head Range	-	0.9

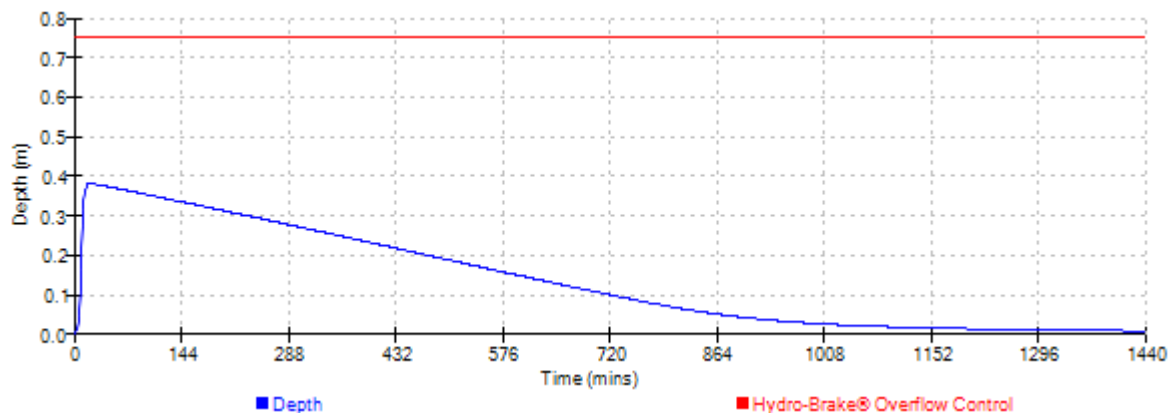
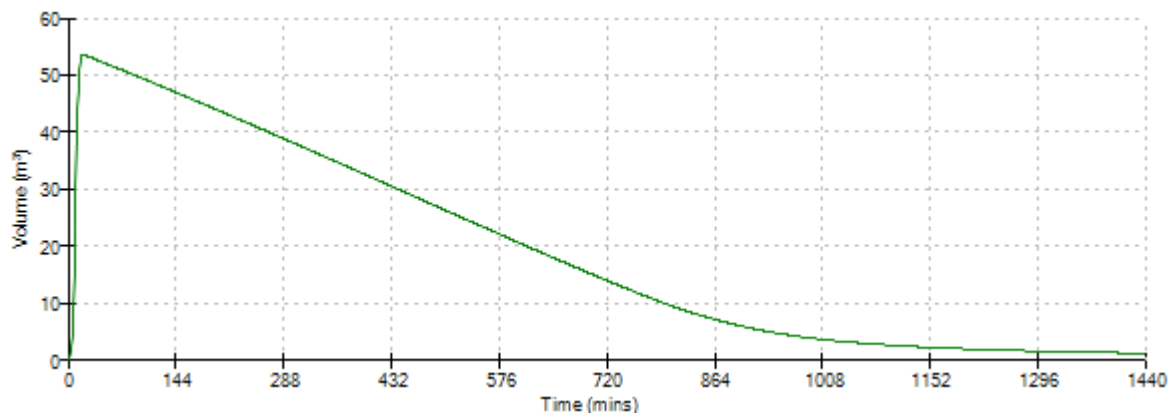
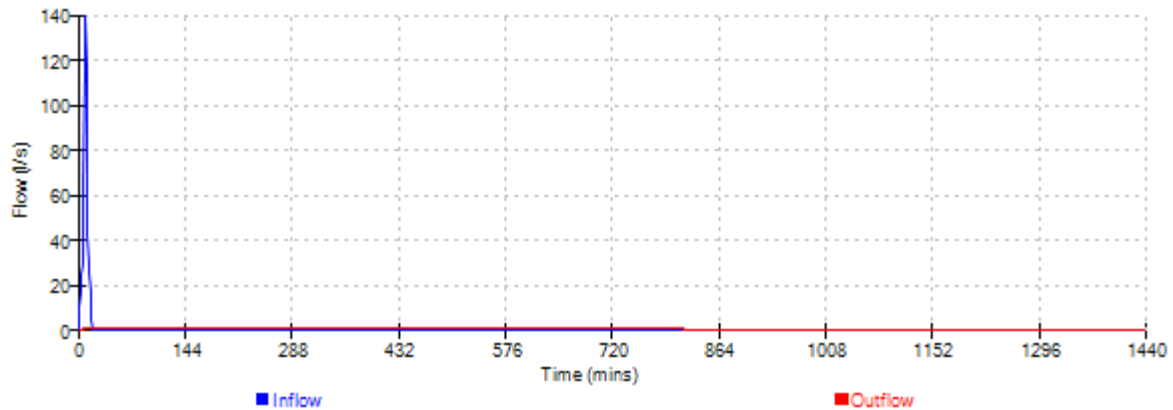
The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)	Depth (m)	Flow (l/s)
0.100	1.0	1.200	1.5	3.000	2.2	7.000	3.3
0.200	1.0	1.400	1.6	3.500	2.4	7.500	3.4
0.300	0.8	1.600	1.7	4.000	2.5	8.000	3.6
0.400	0.9	1.800	1.8	4.500	2.7	8.500	3.7
0.500	1.0	2.000	1.9	5.000	2.8	9.000	3.8
0.600	1.1	2.200	1.9	5.500	2.9	9.500	3.9
0.800	1.2	2.400	2.0	6.000	3.1		
1.000	1.4	2.600	2.1	6.500	3.2		

©1982-2020 Innovyze

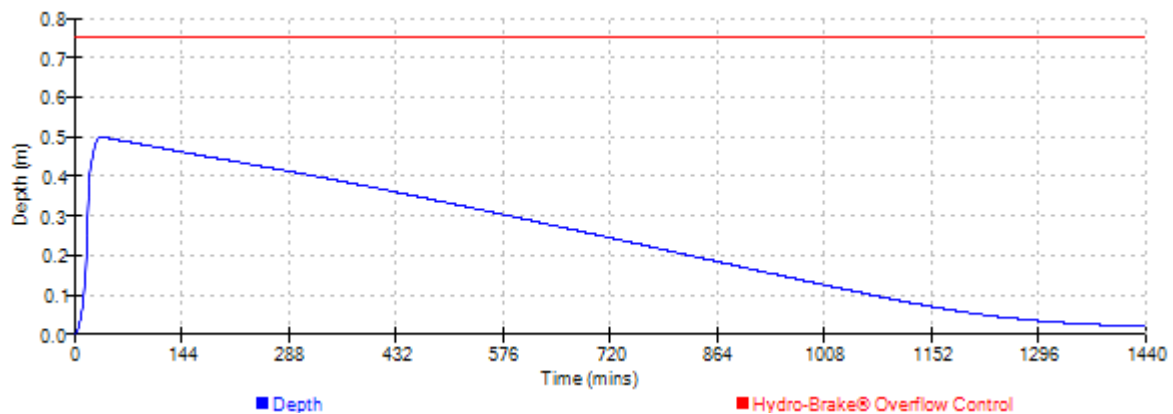
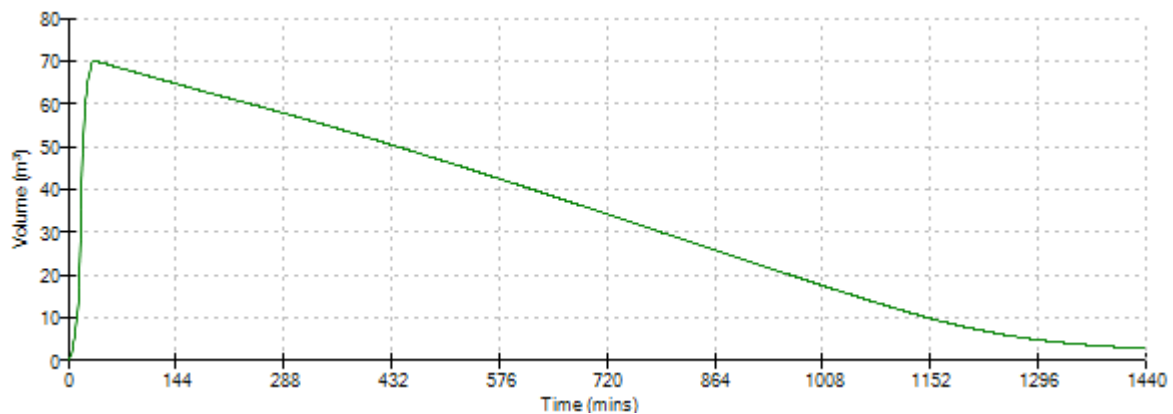
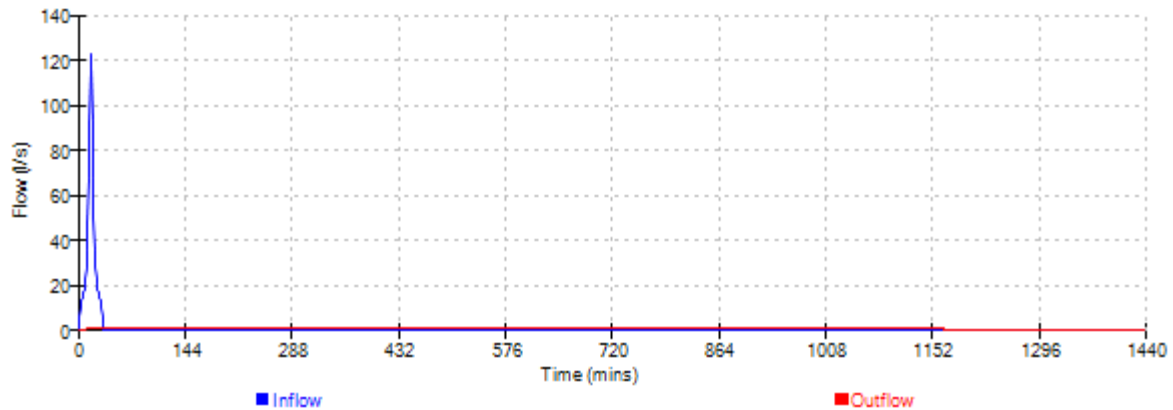
Easy Flood Risk		Page 6
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 15 min Summer



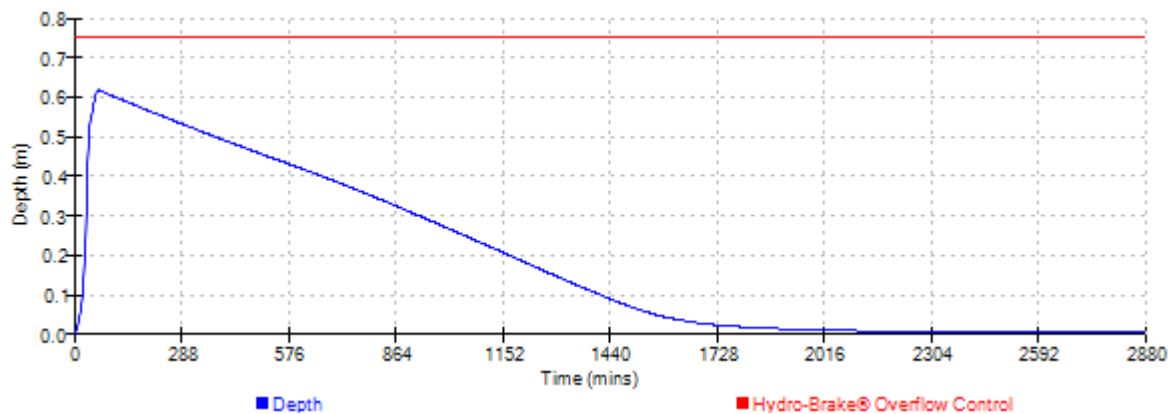
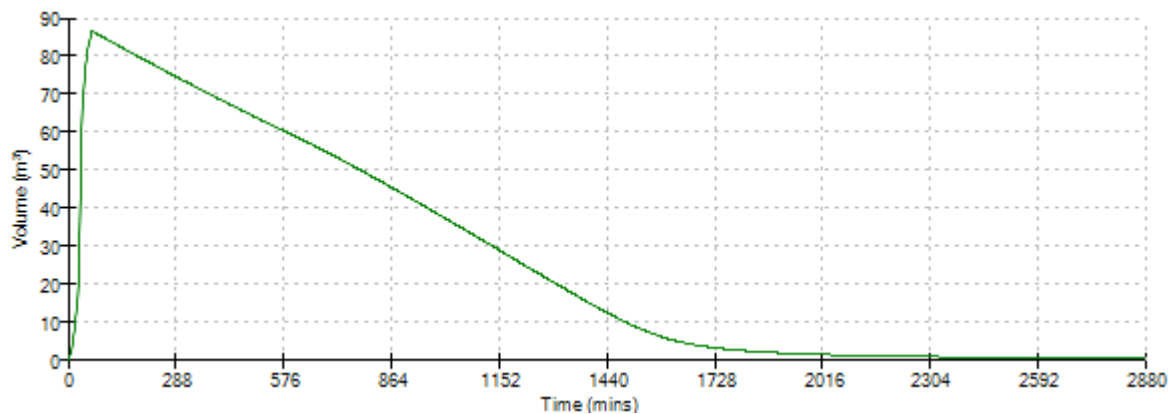
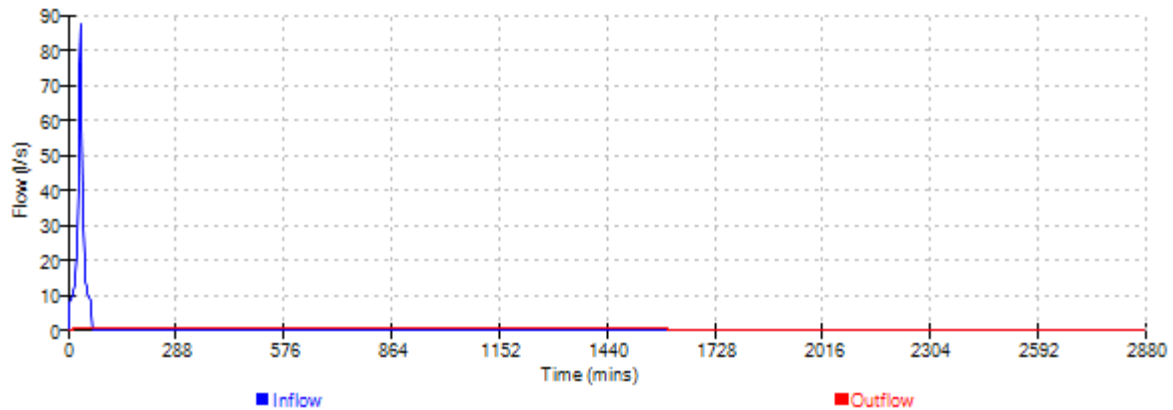
Easy Flood Risk		Page 7
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 30 min Summer



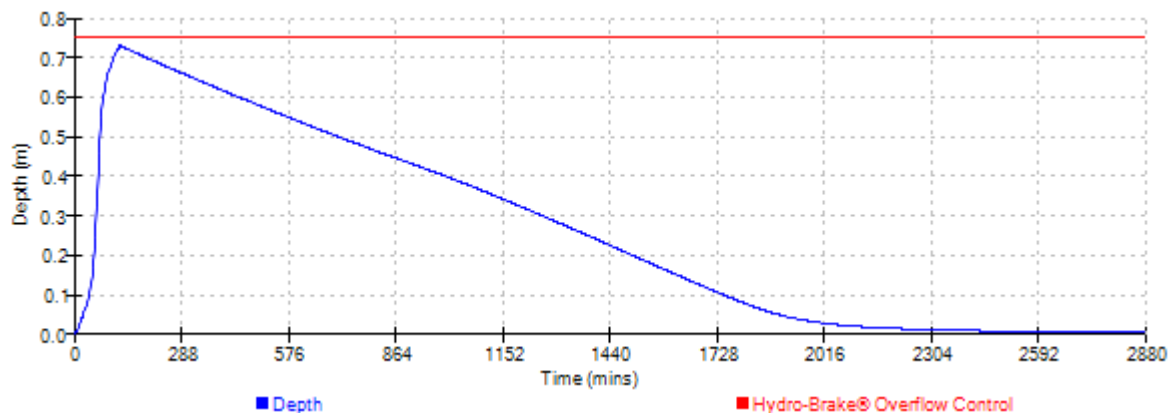
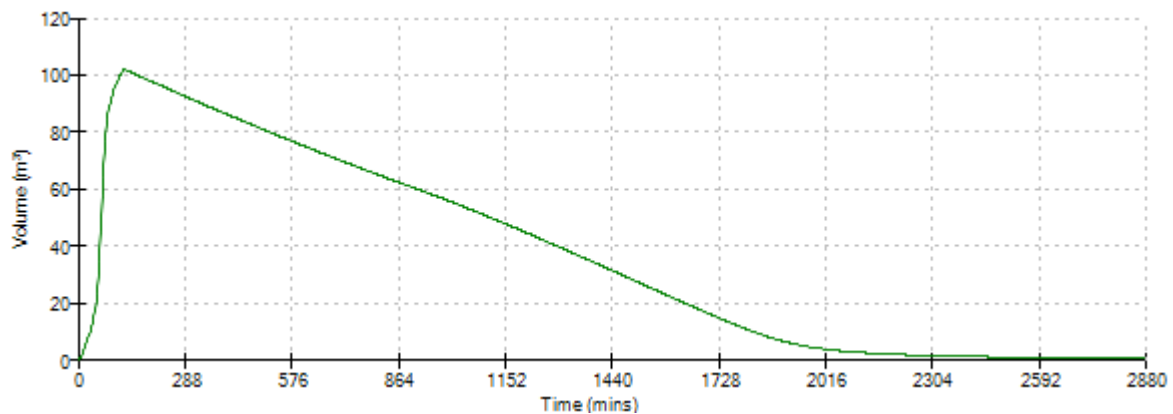
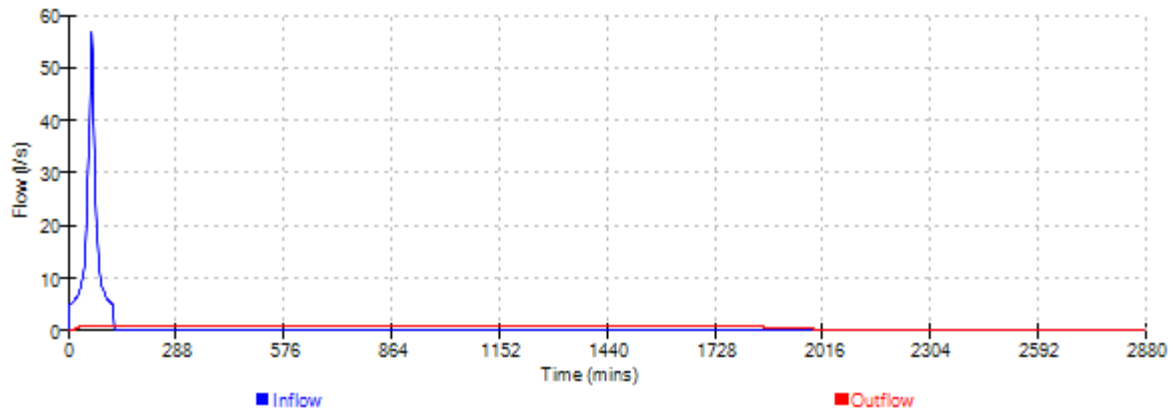
Easy Flood Risk		Page 8
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 60 min Summer



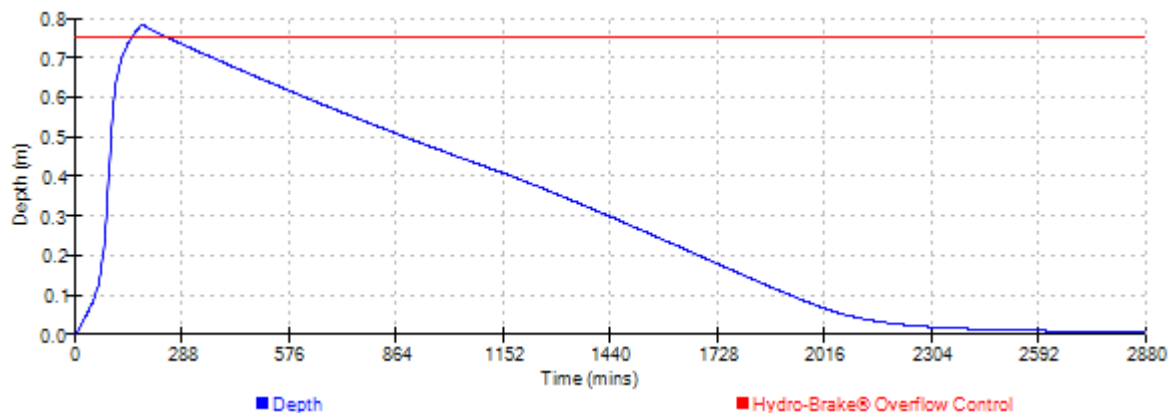
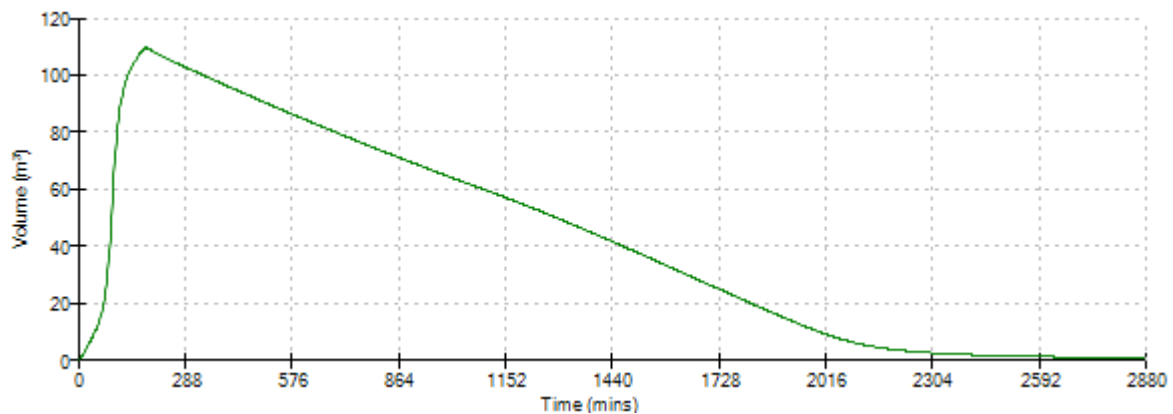
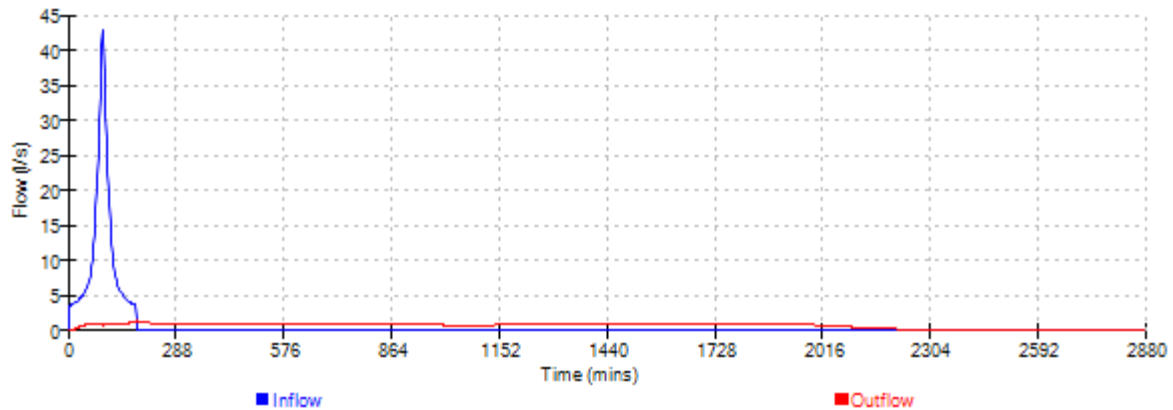
Easy Flood Risk		Page 9
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 120 min Summer



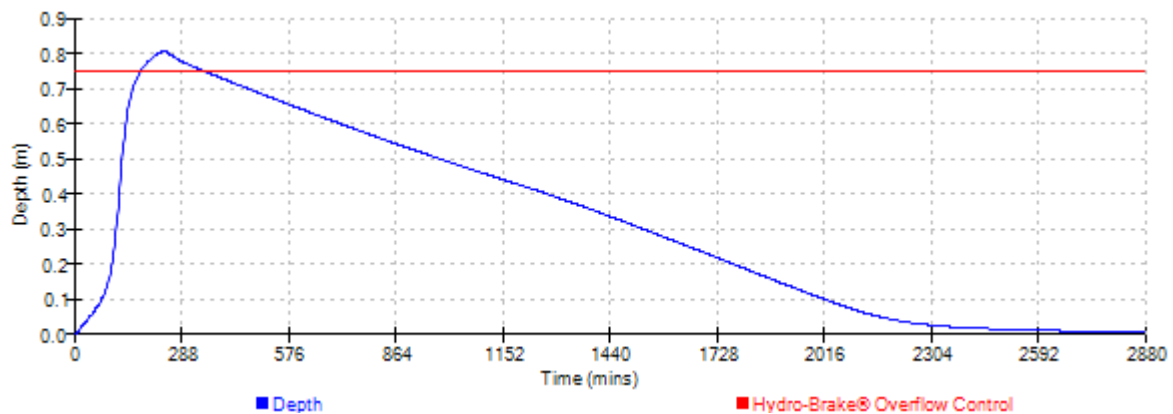
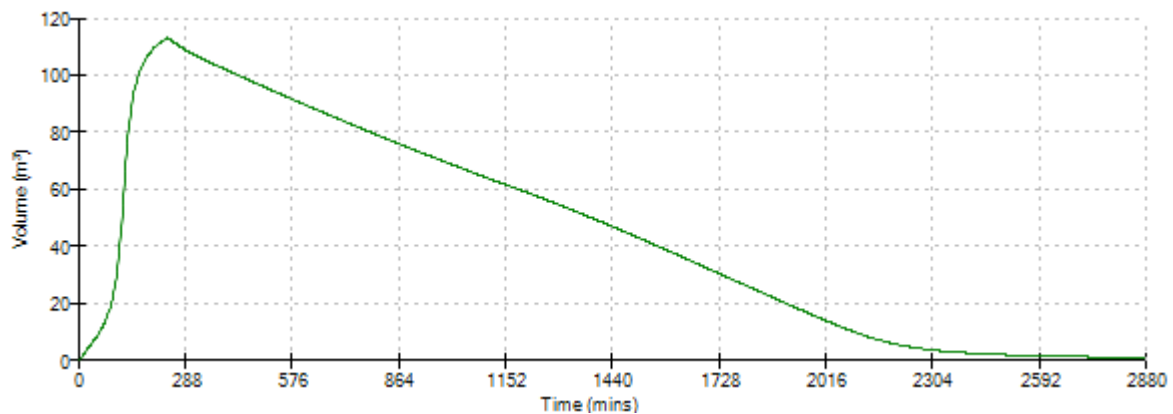
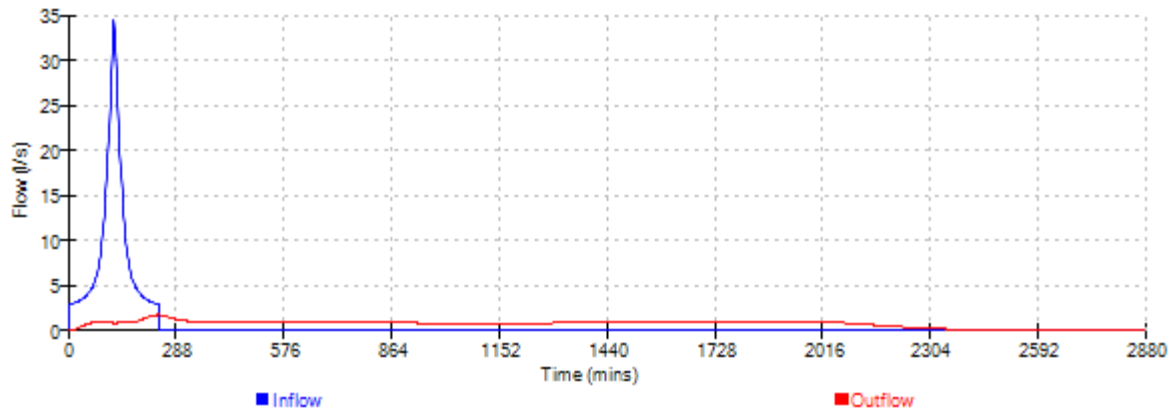
Easy Flood Risk		Page 10
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 180 min Summer



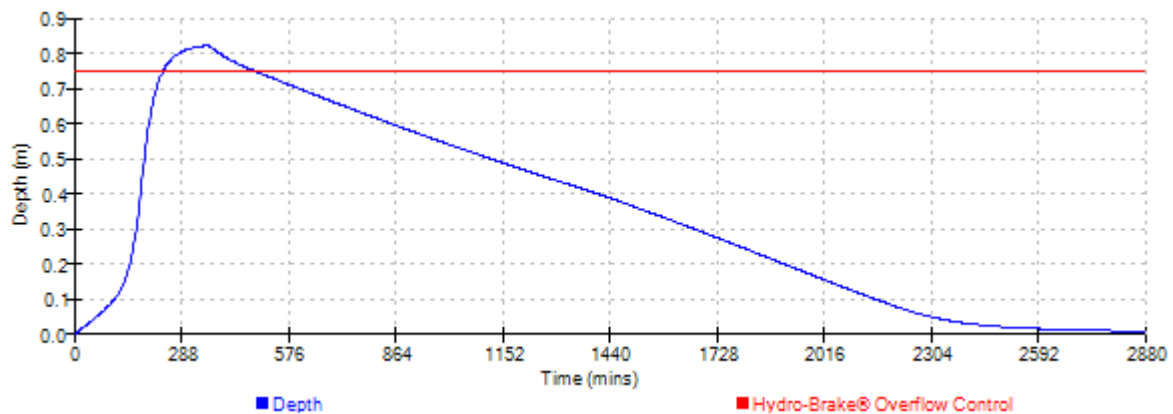
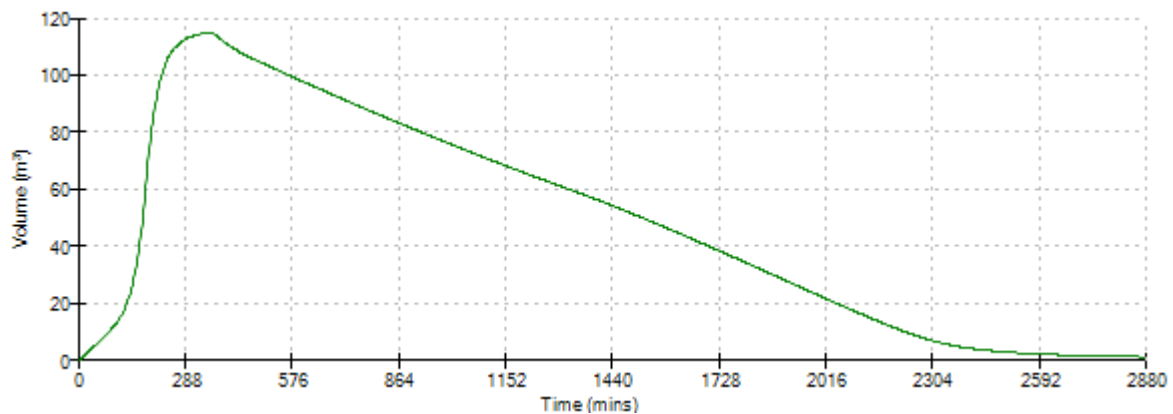
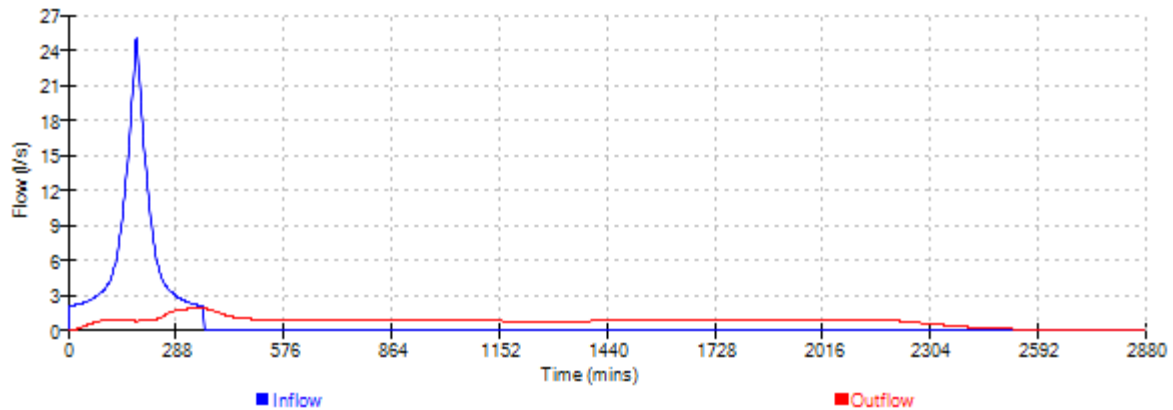
Easy Flood Risk		Page 11
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 240 min Summer



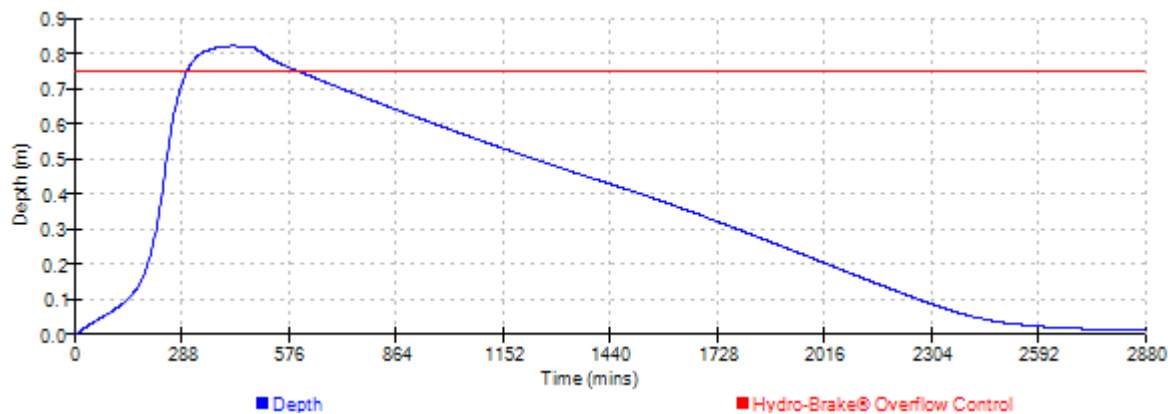
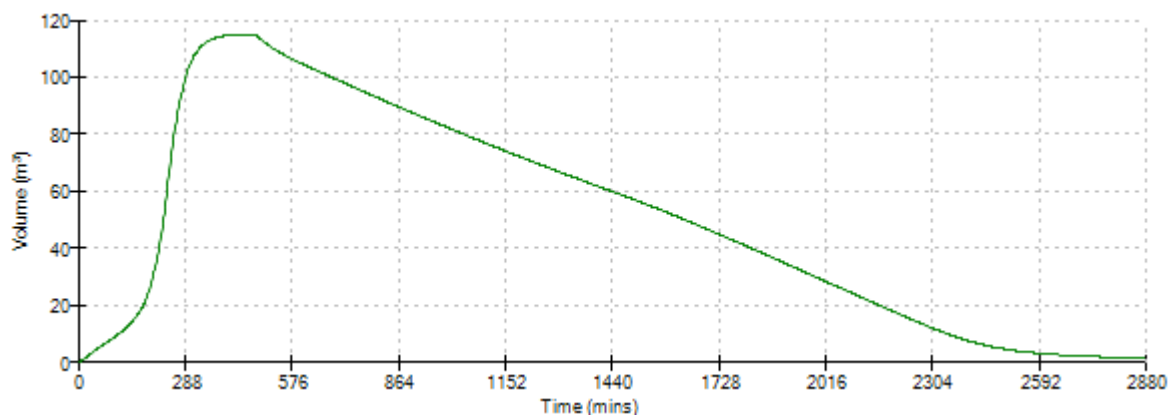
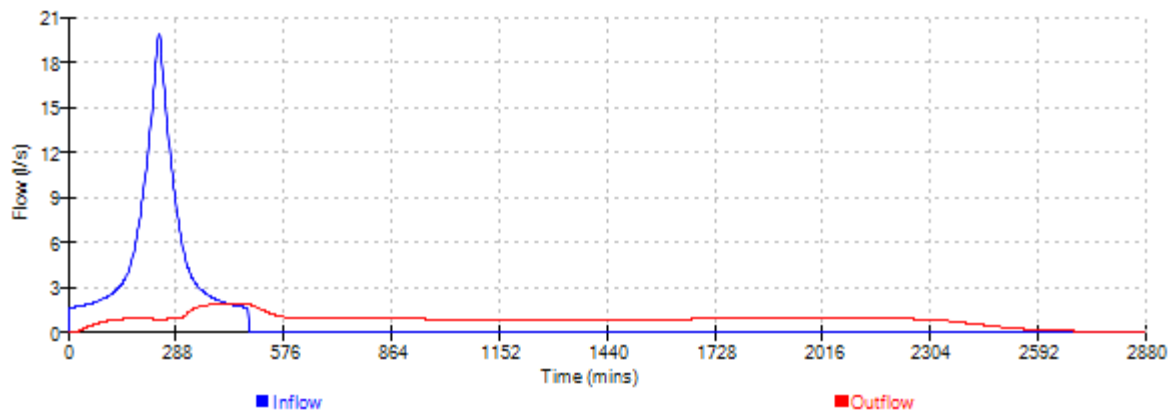
Easy Flood Risk		Page 12
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 360 min Summer



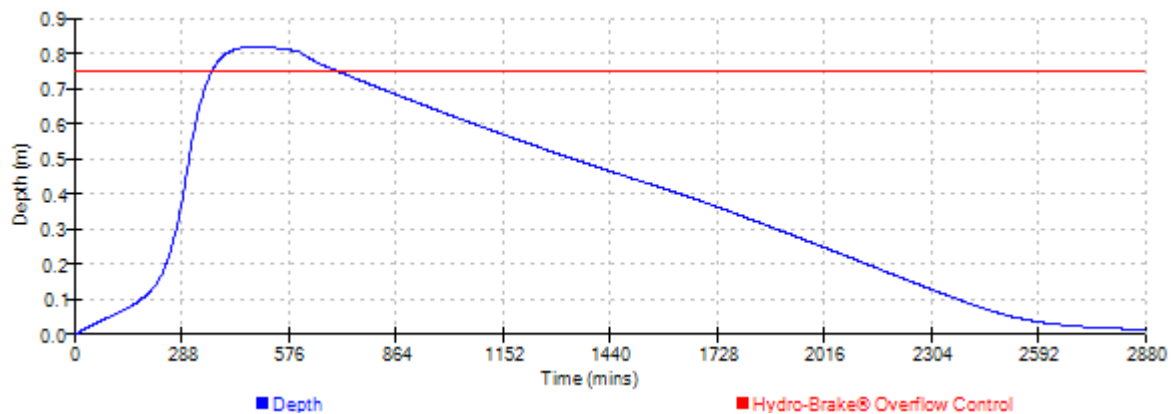
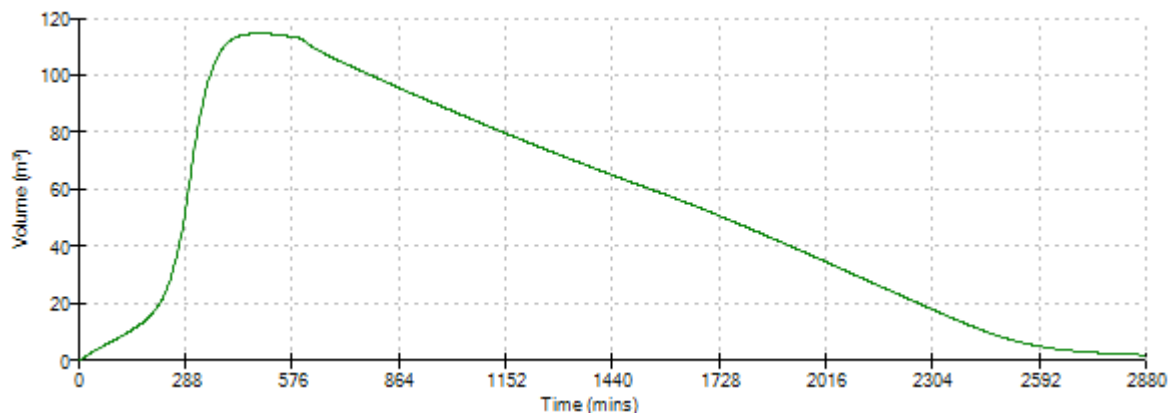
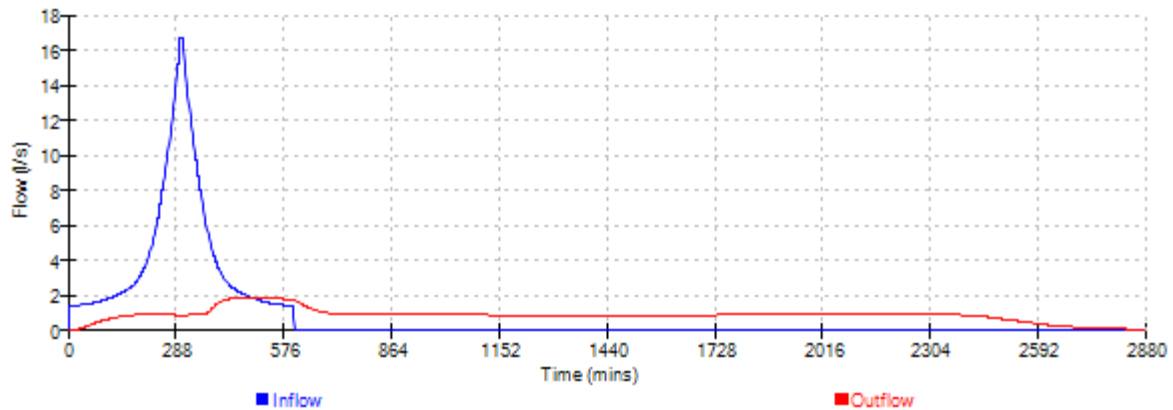
Easy Flood Risk		Page 13
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 480 min Summer



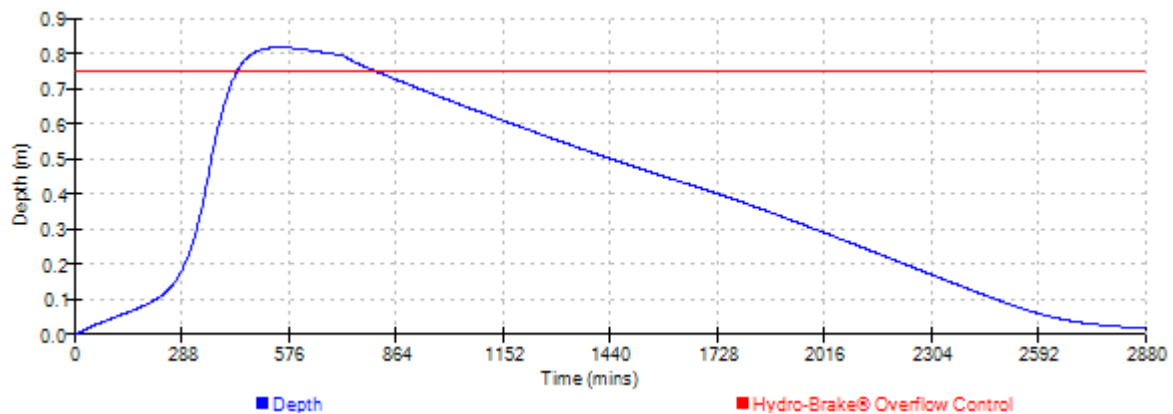
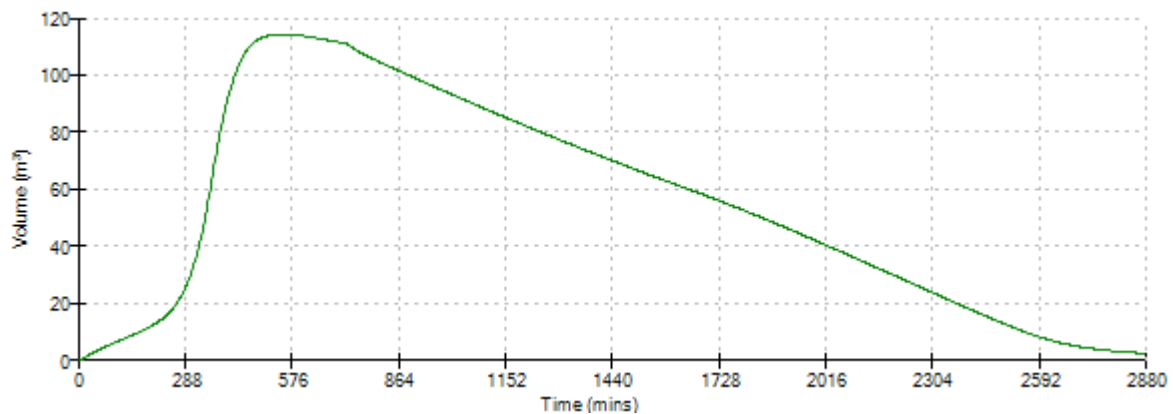
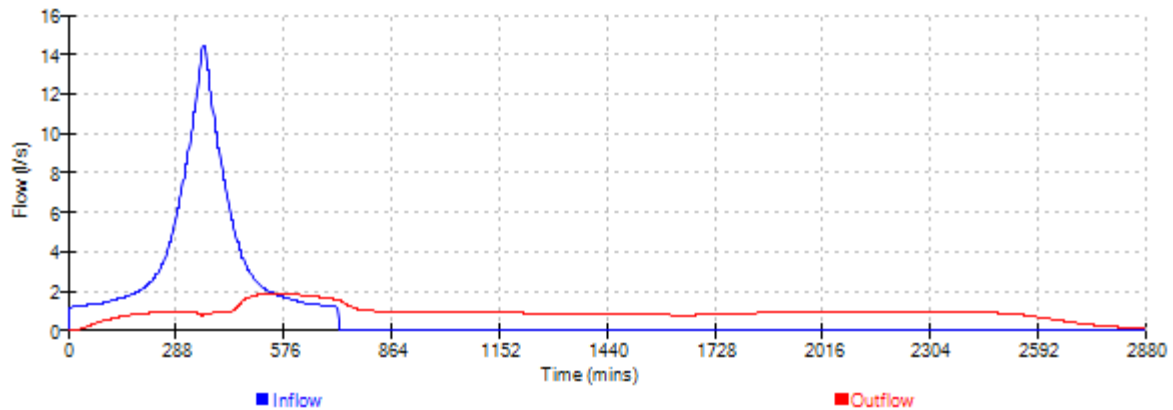
Easy Flood Risk		Page 14
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 600 min Summer



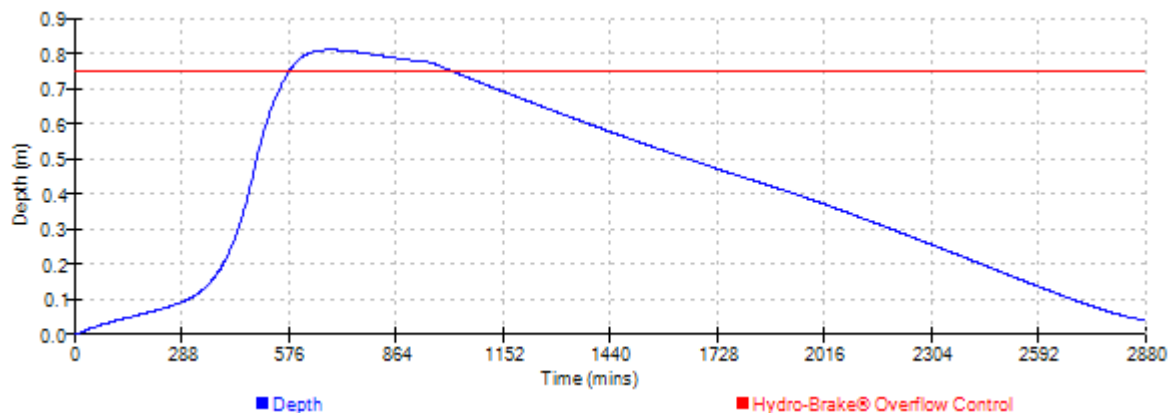
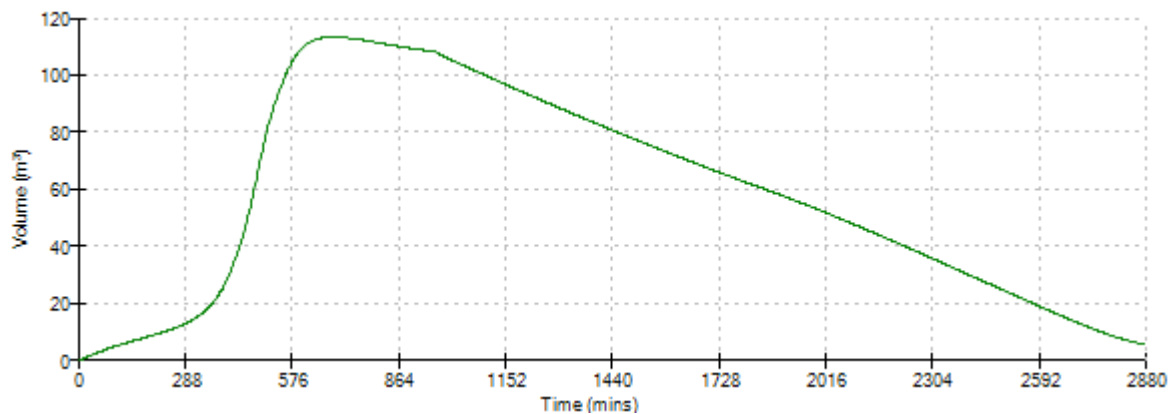
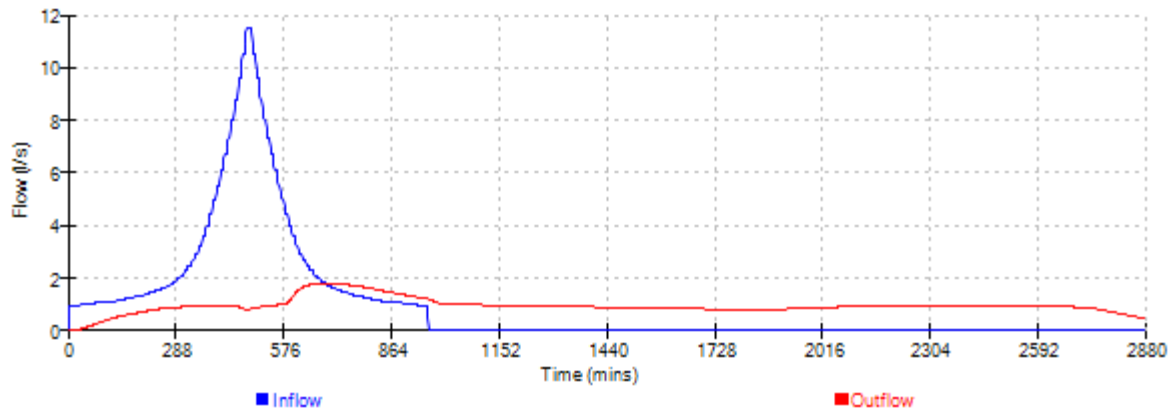
Easy Flood Risk		Page 15
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 720 min Summer



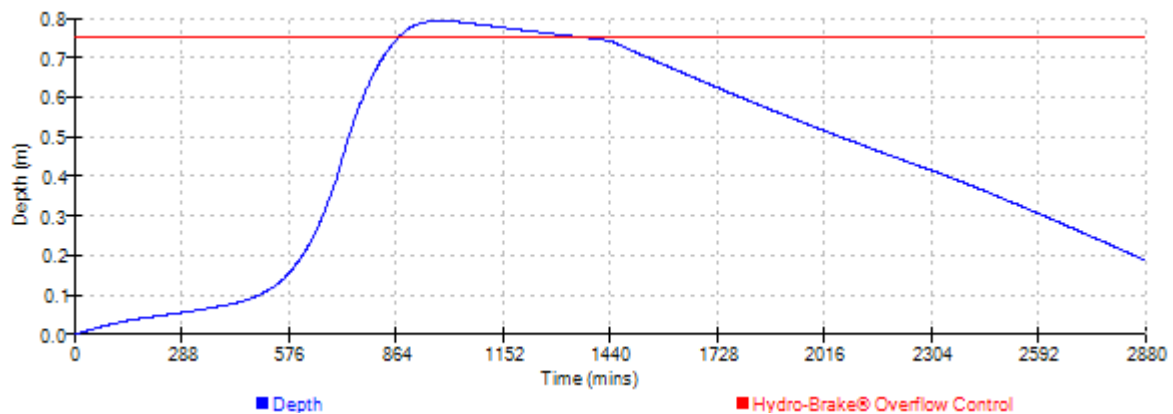
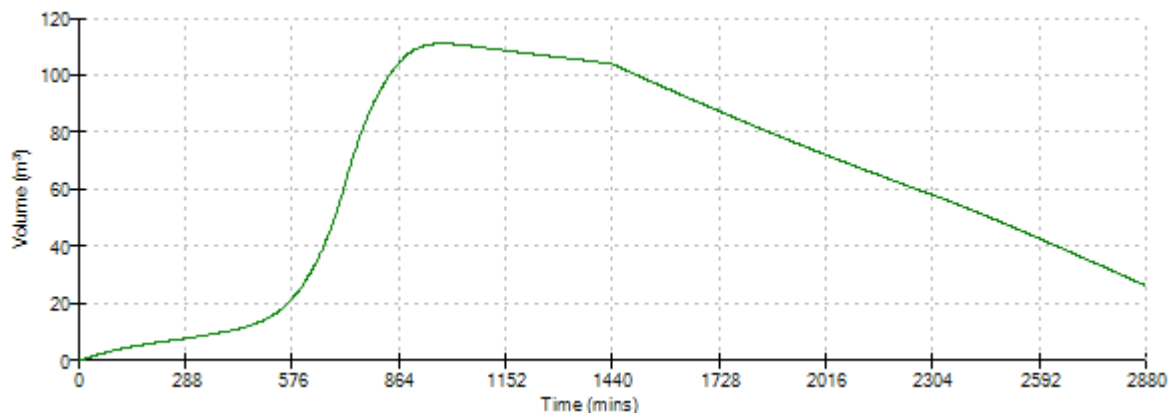
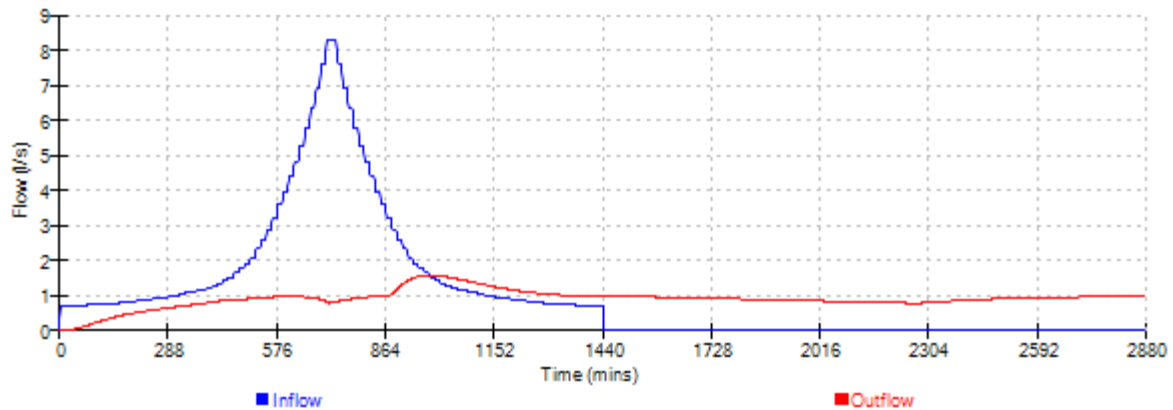
Easy Flood Risk		Page 16
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 960 min Summer



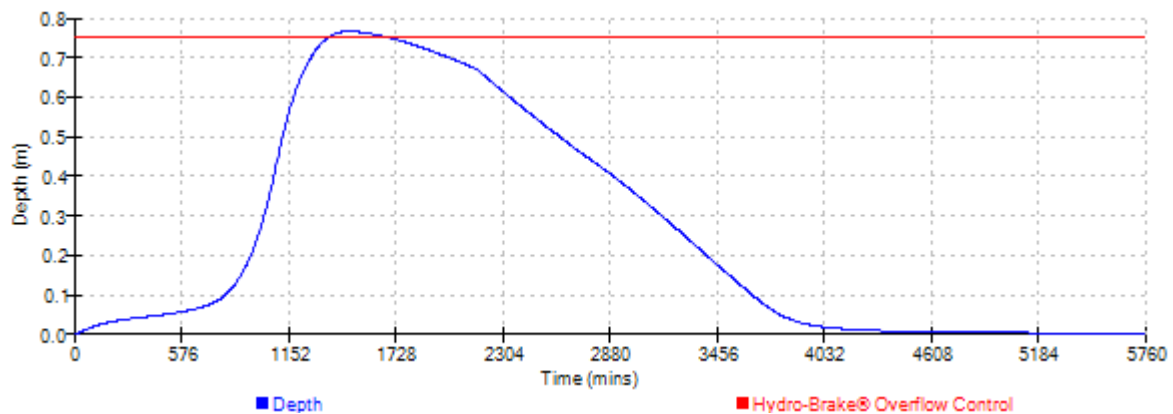
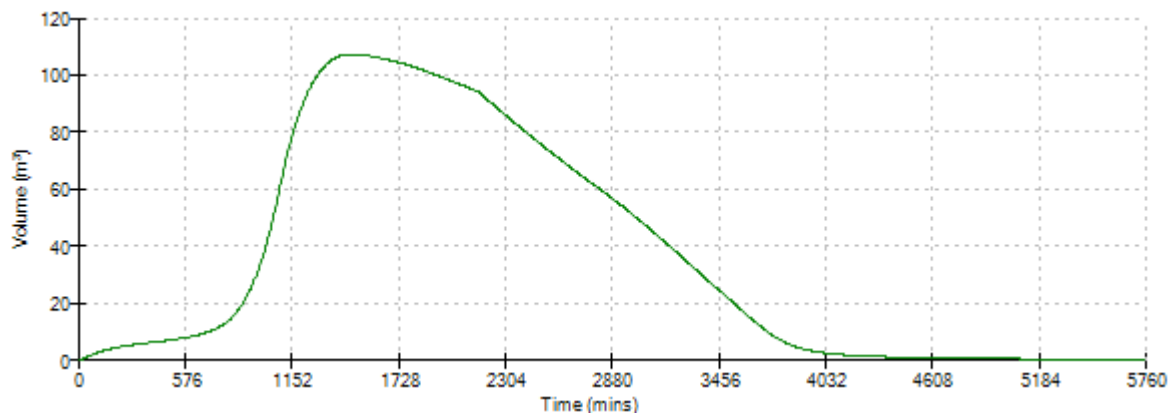
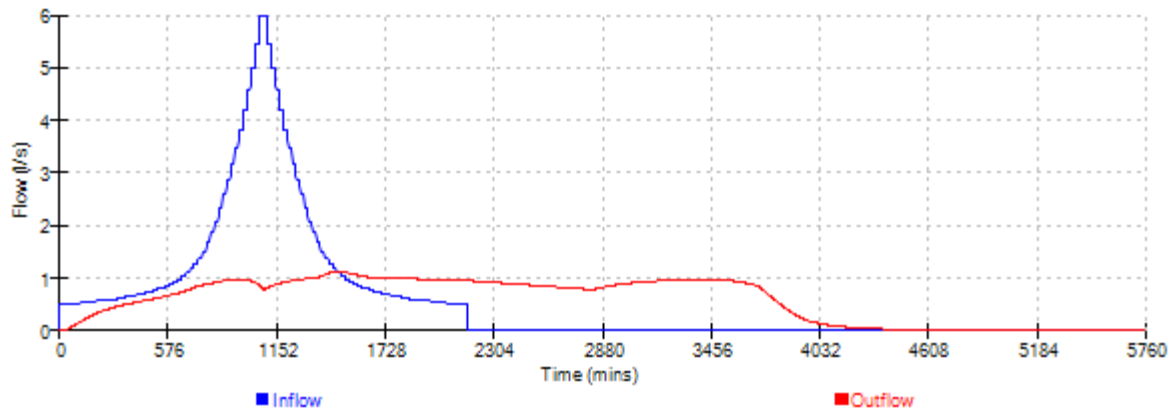
Easy Flood Risk		Page 17
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 1440 min Summer



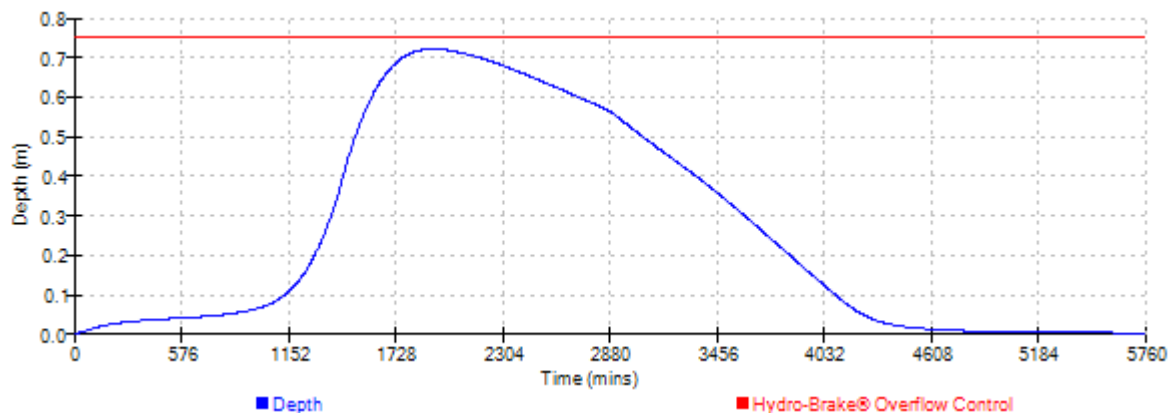
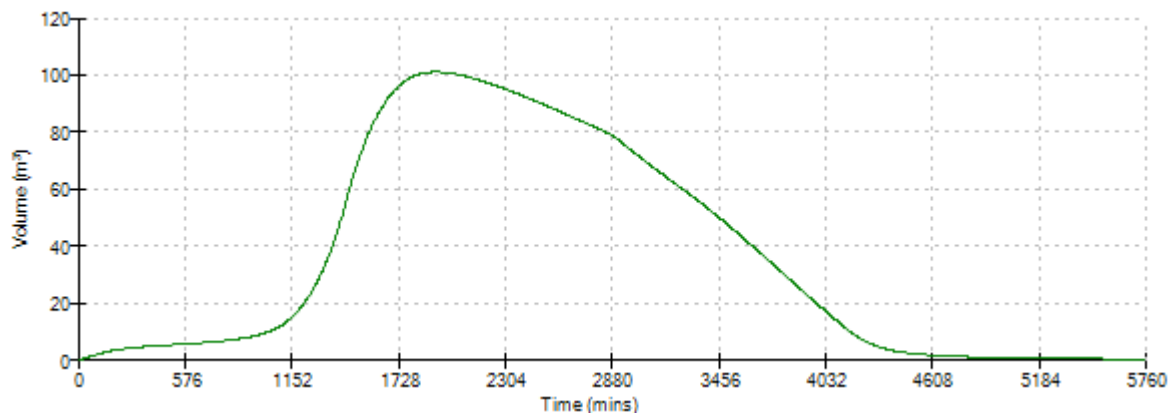
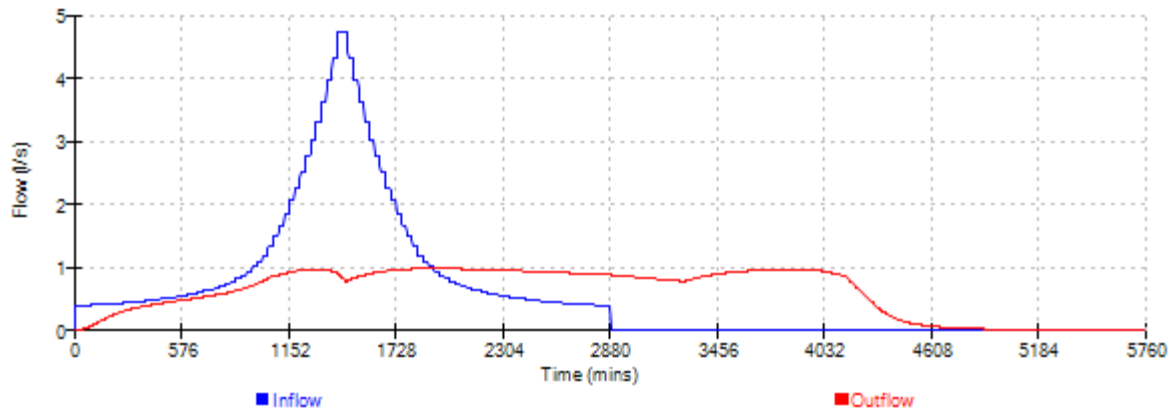
Easy Flood Risk		Page 18
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 2160 min Summer



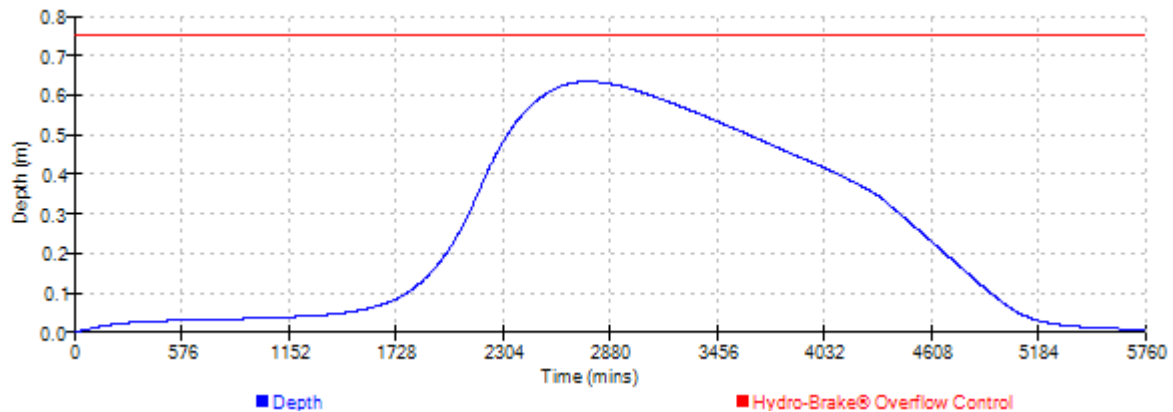
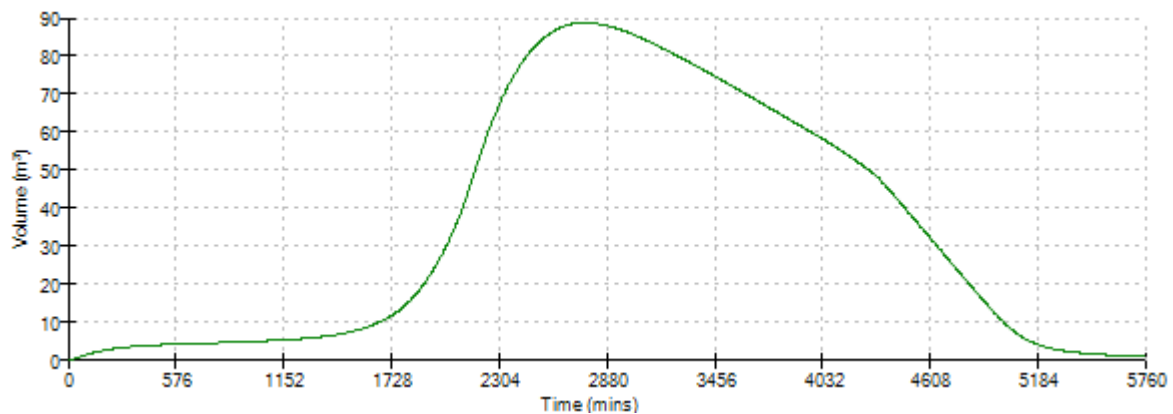
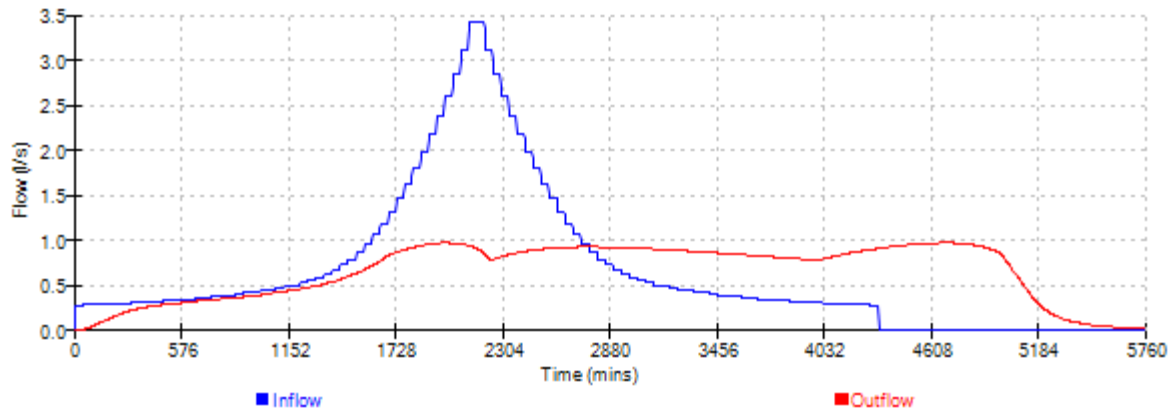
Easy Flood Risk		Page 19
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 2880 min Summer



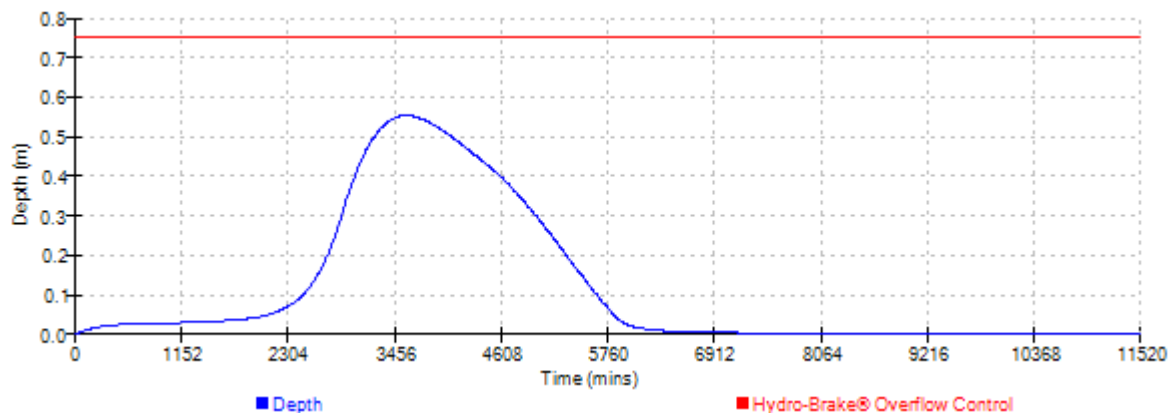
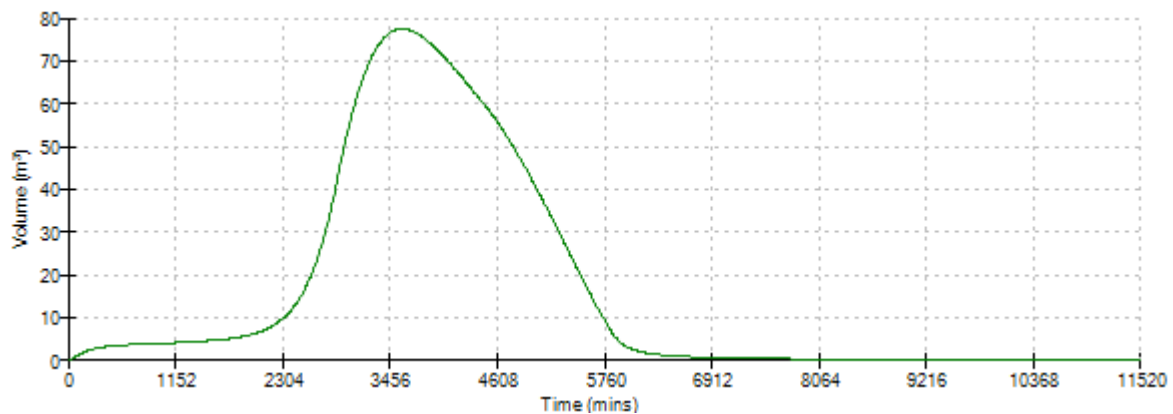
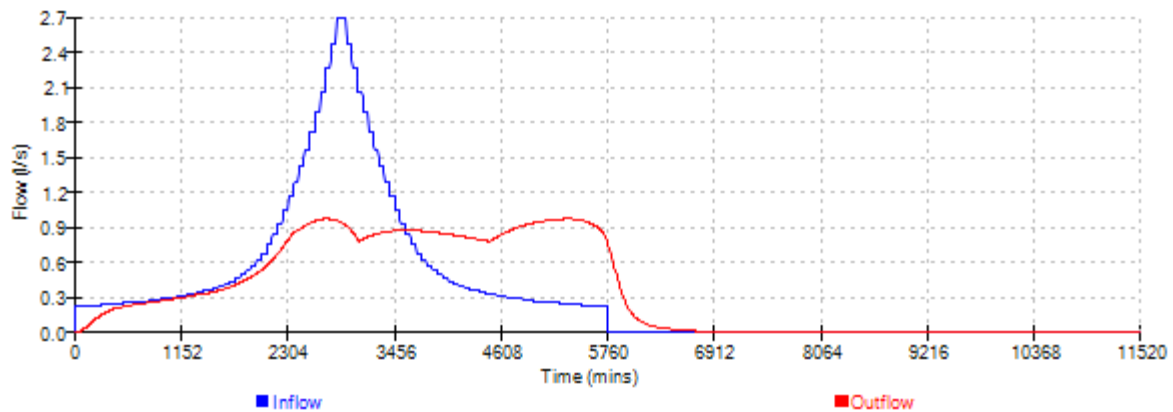
Easy Flood Risk		Page 20
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 4320 min Summer



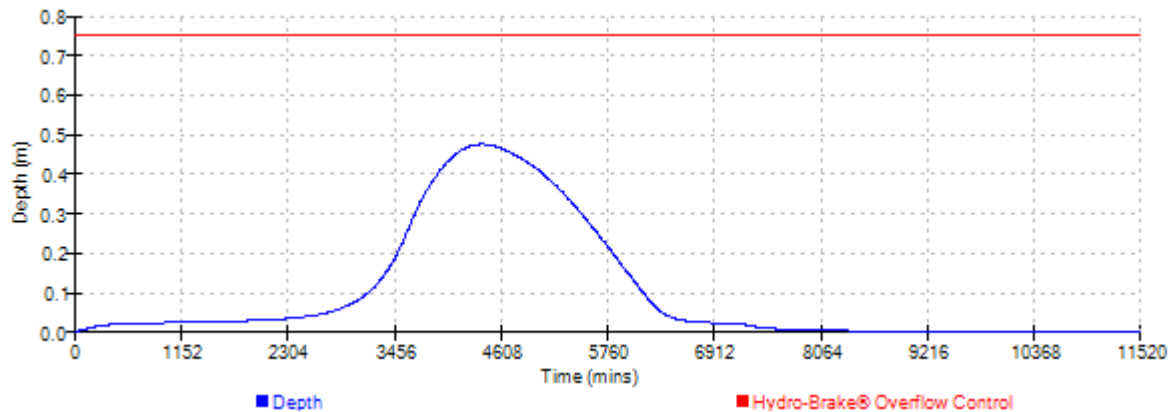
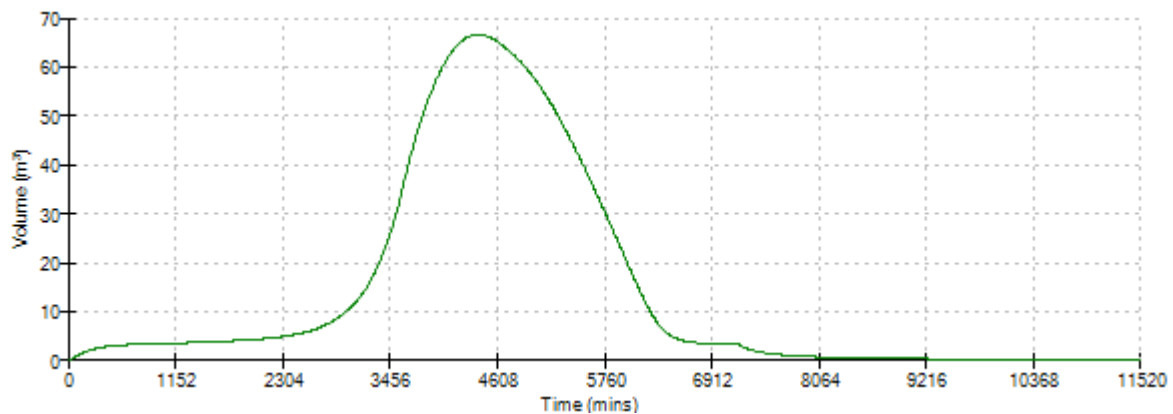
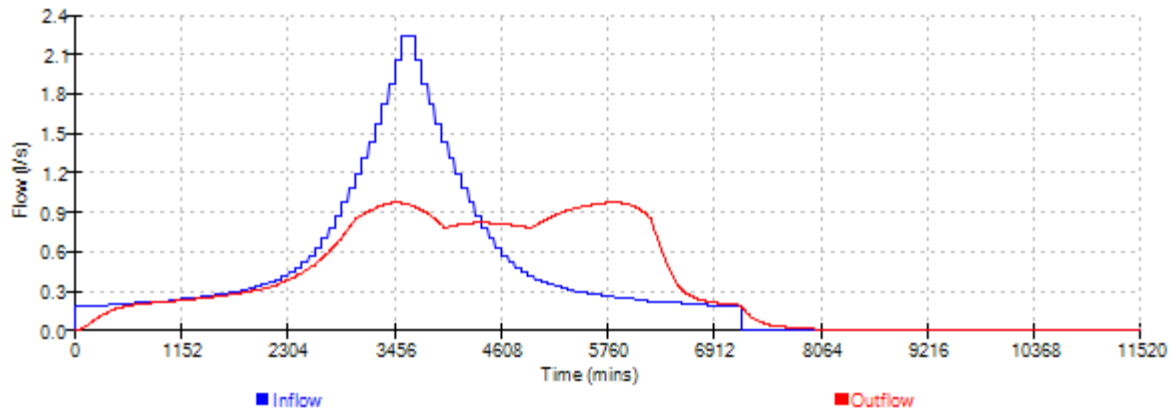
Easy Flood Risk		Page 21
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 5760 min Summer



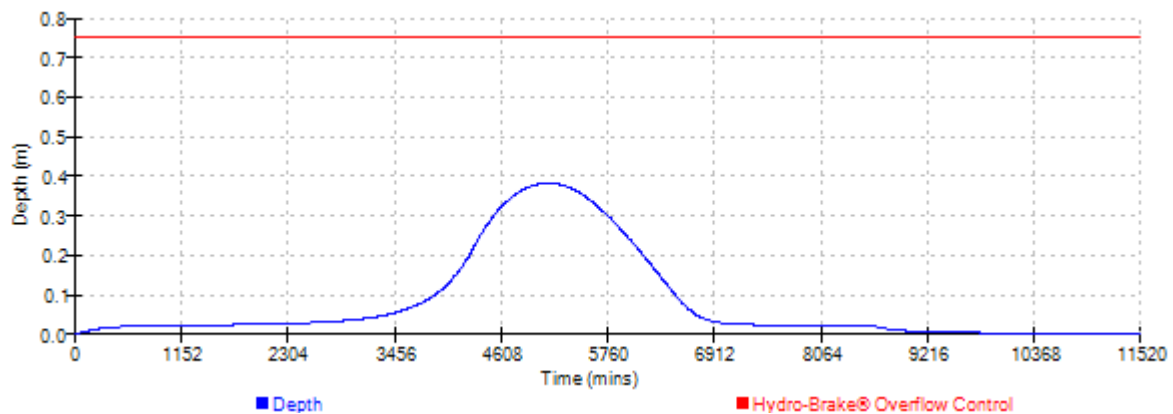
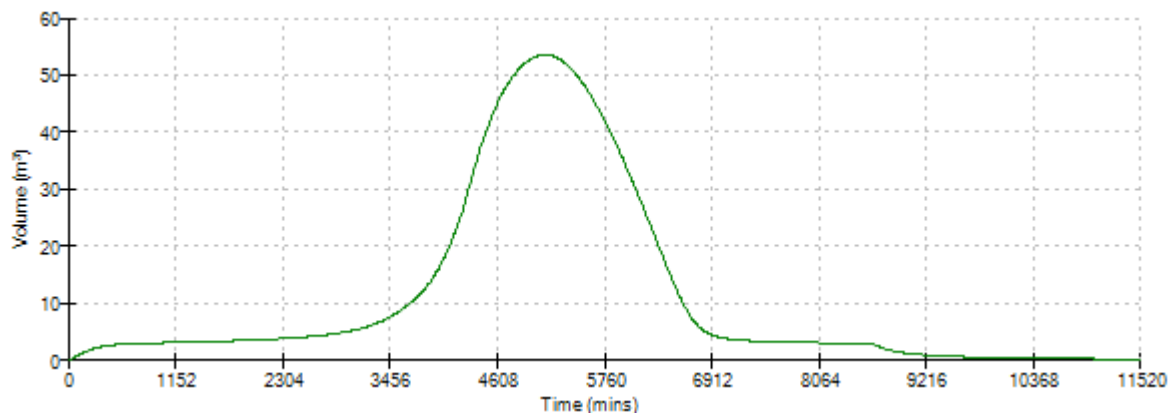
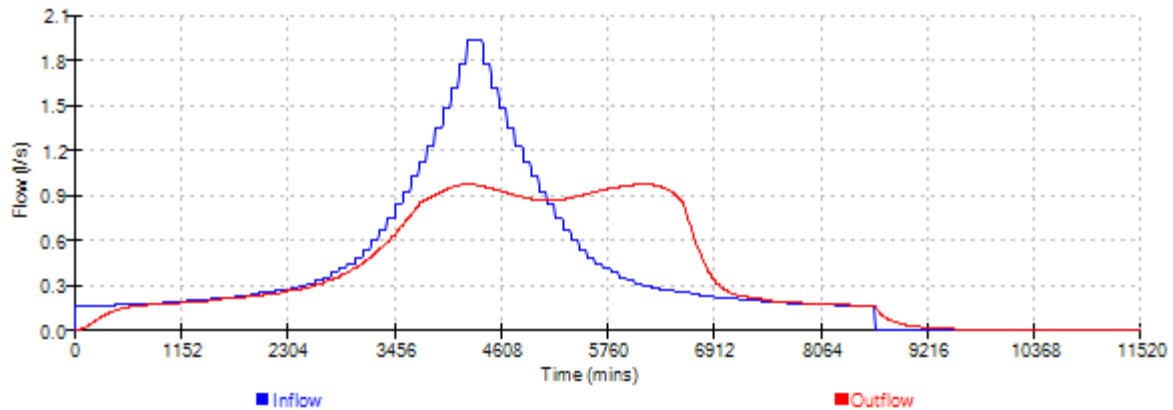
Easy Flood Risk		Page 22
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze		Source Control 2020.1

Event: 7200 min Summer



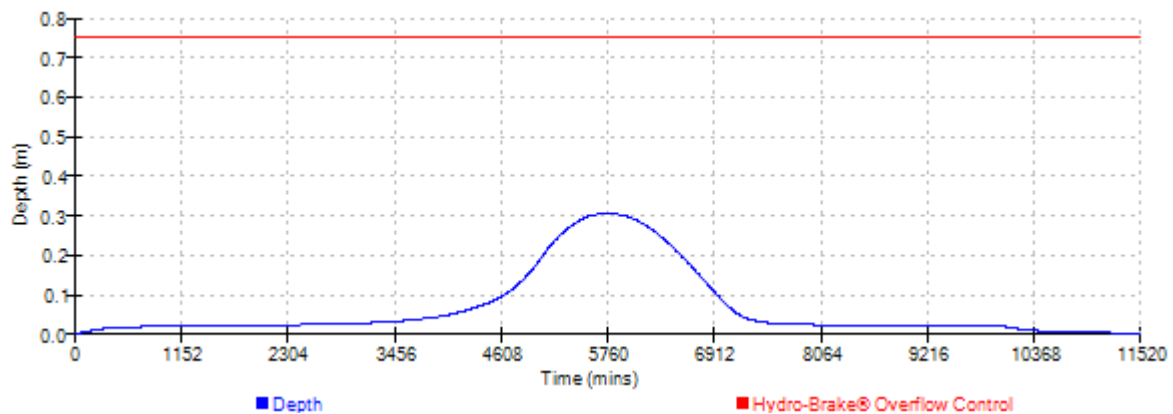
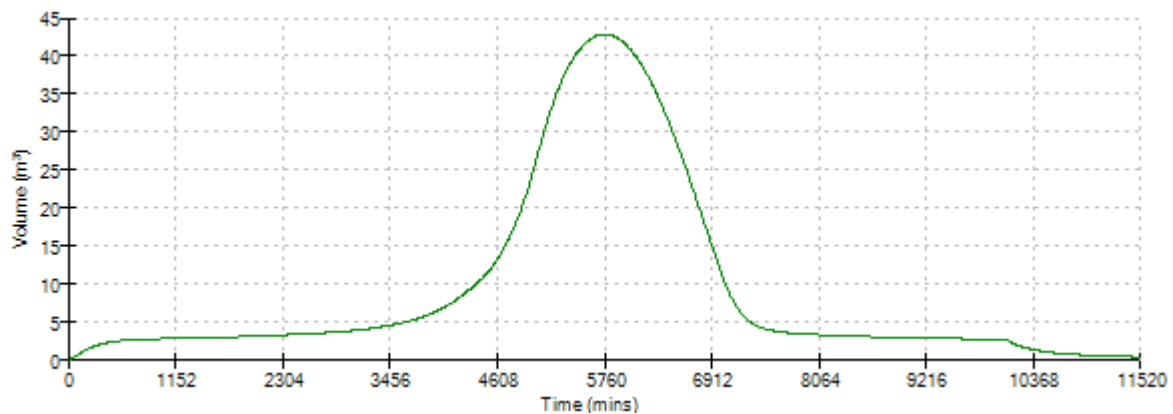
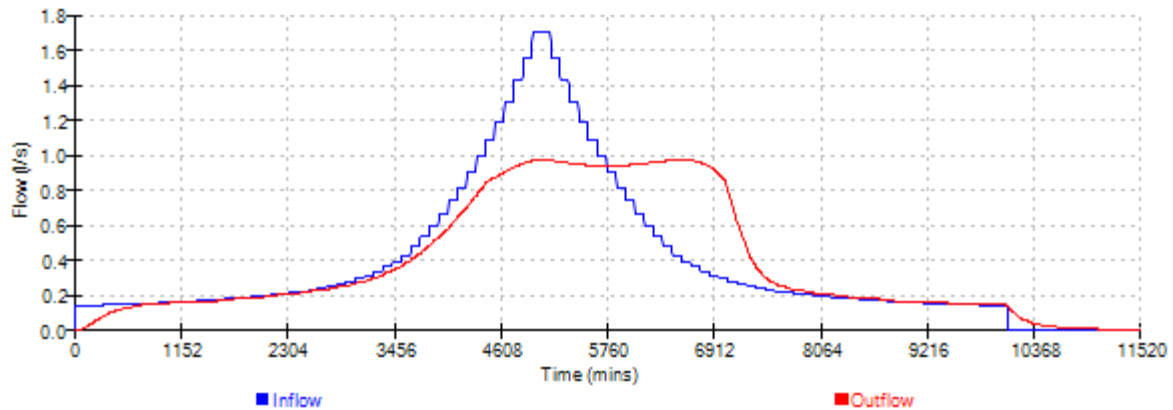
Easy Flood Risk		Page 23
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 8640 min Summer



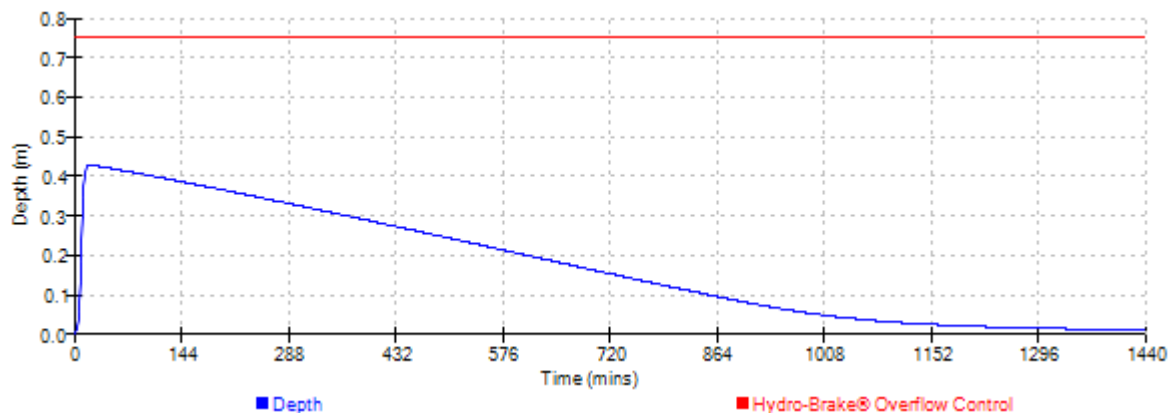
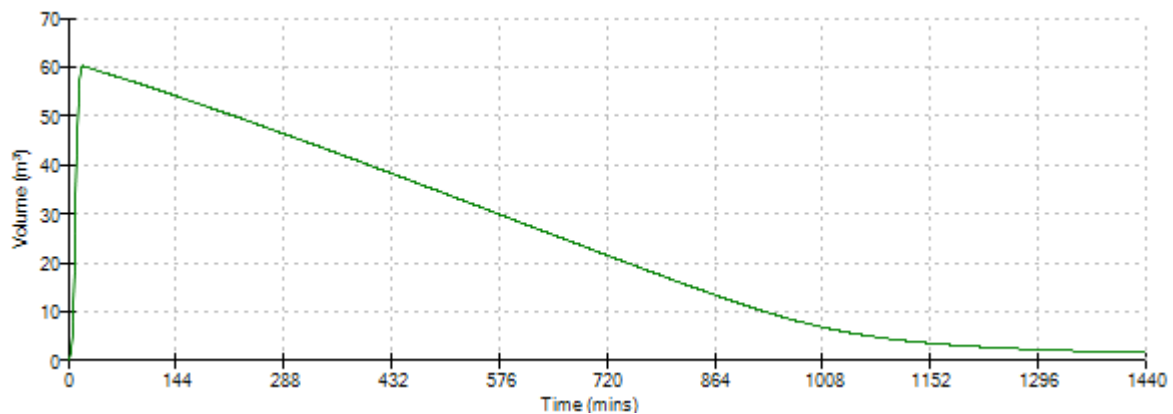
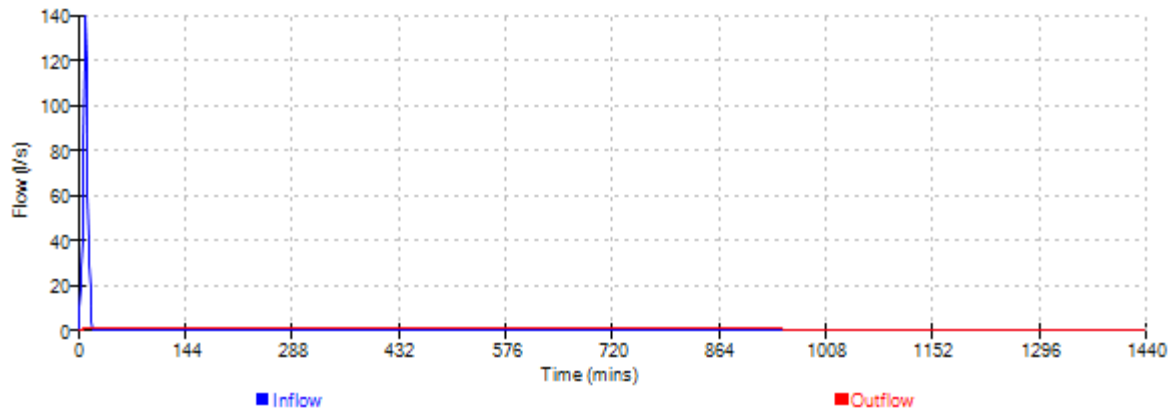
Easy Flood Risk		Page 24
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze		Source Control 2020.1

Event: 10080 min Summer



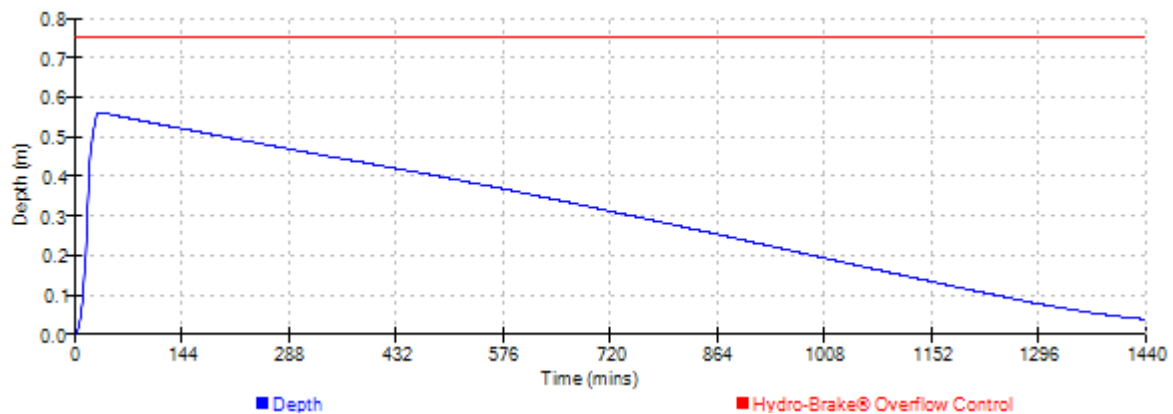
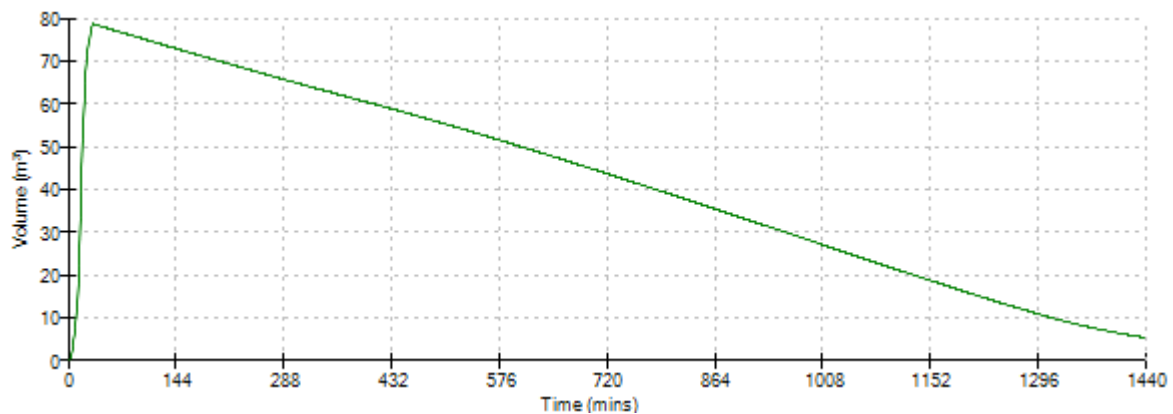
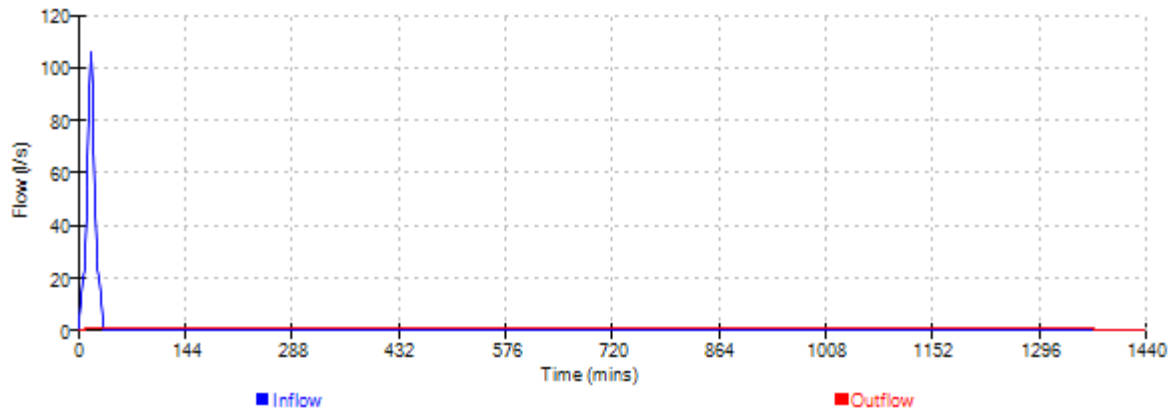
Easy Flood Risk		Page 25
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 15 min Winter



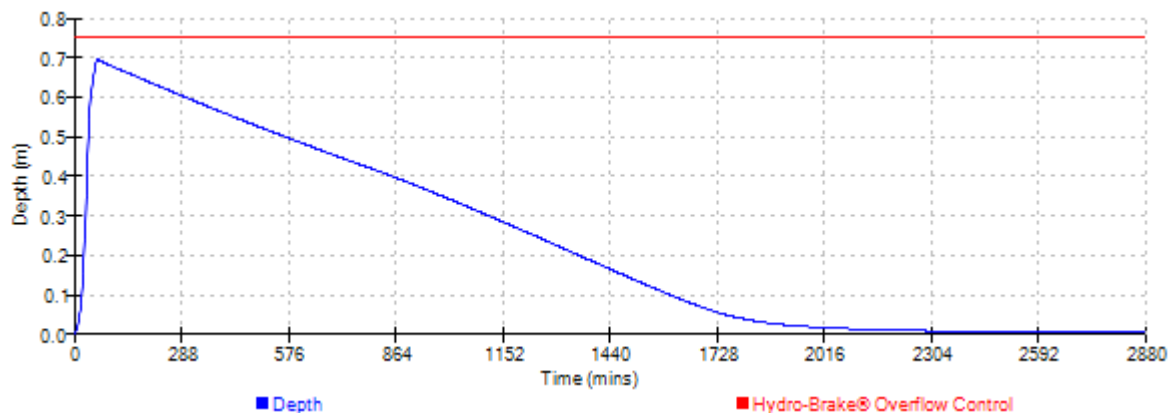
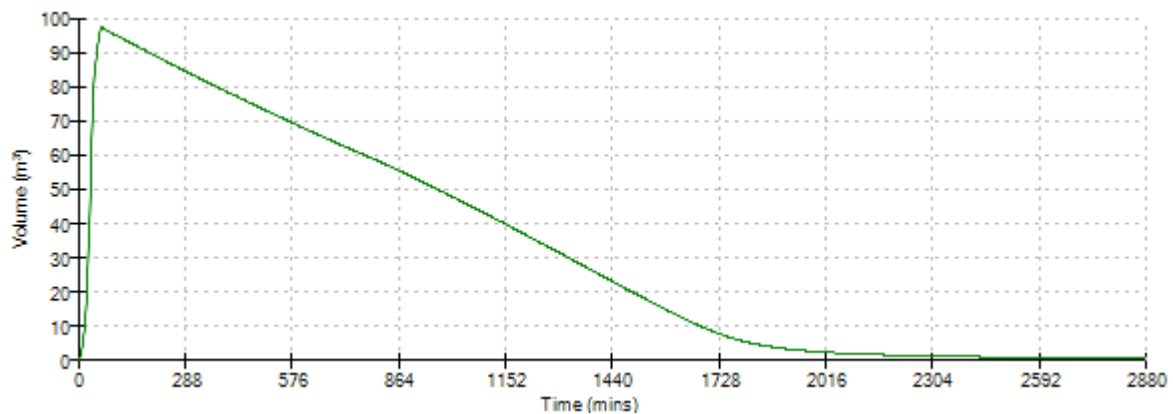
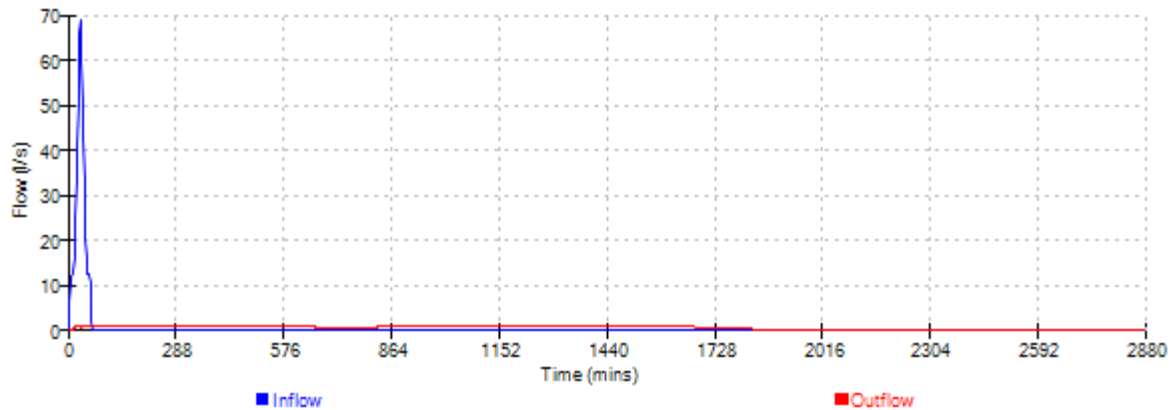
Easy Flood Risk		Page 26
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 30 min Winter



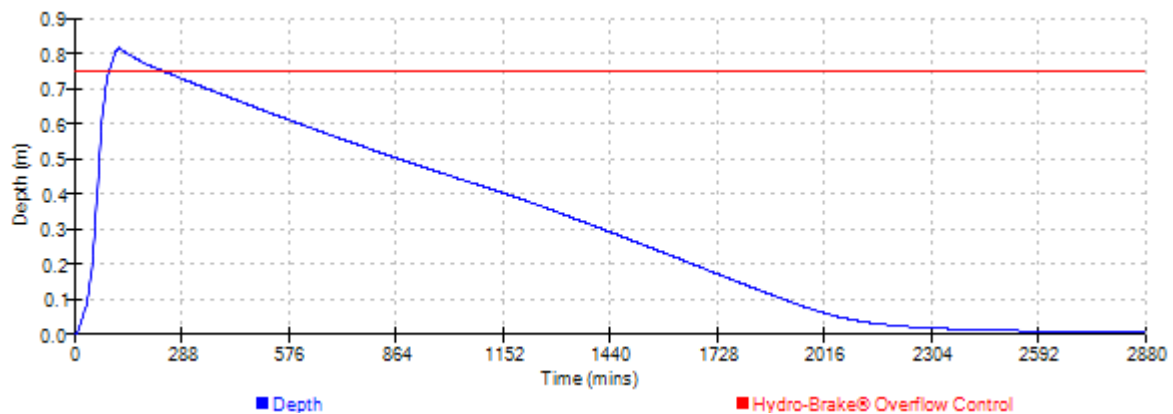
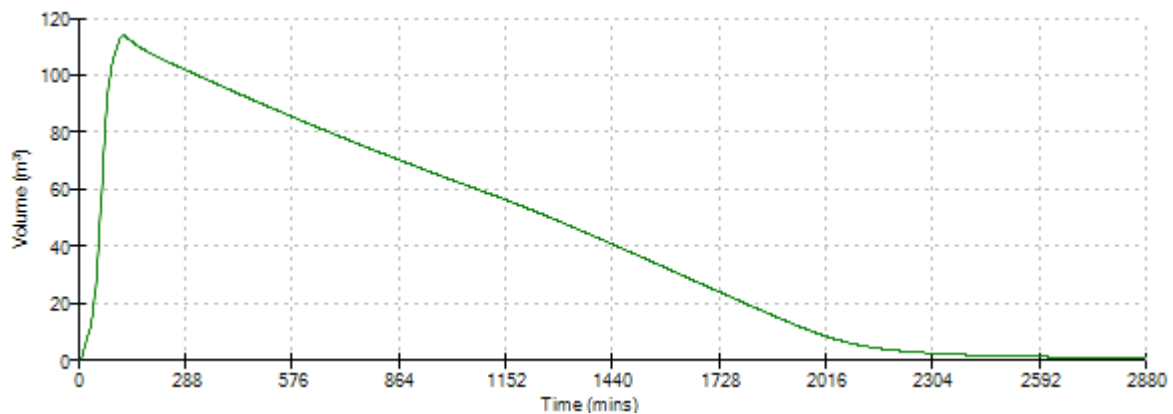
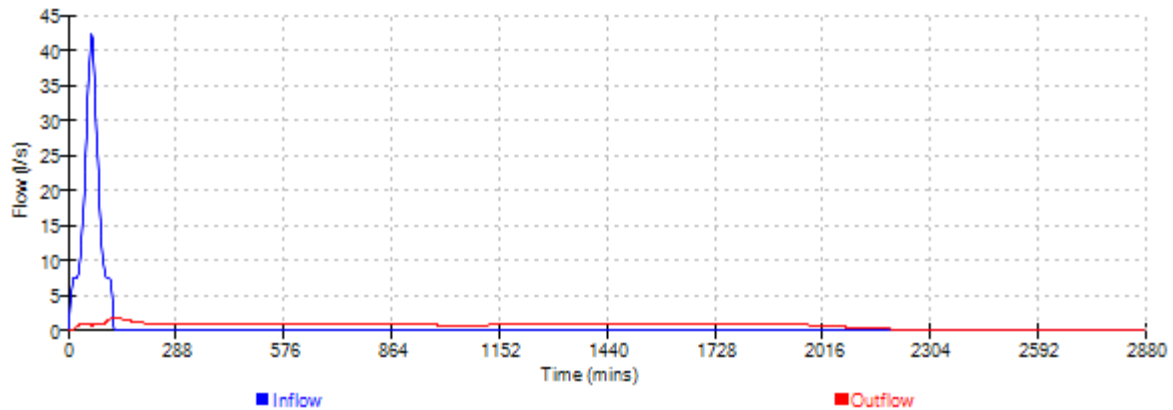
Easy Flood Risk		Page 27
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 60 min Winter



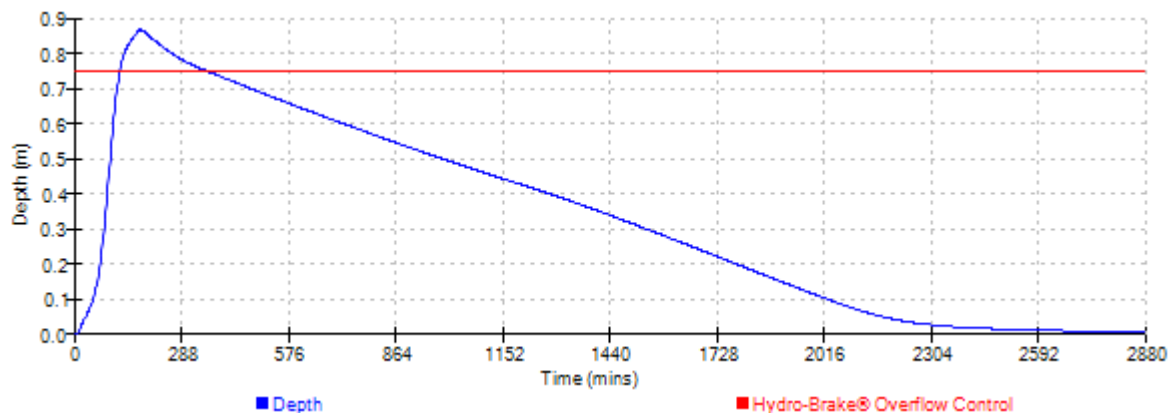
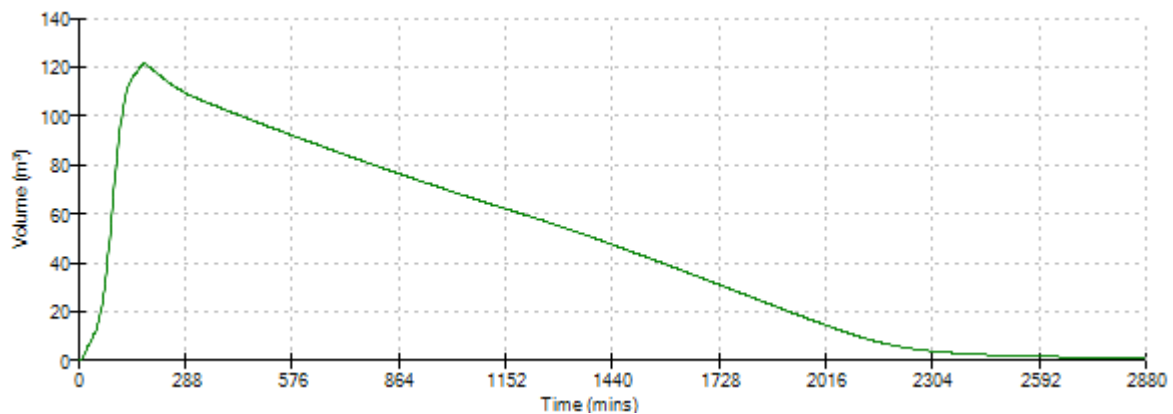
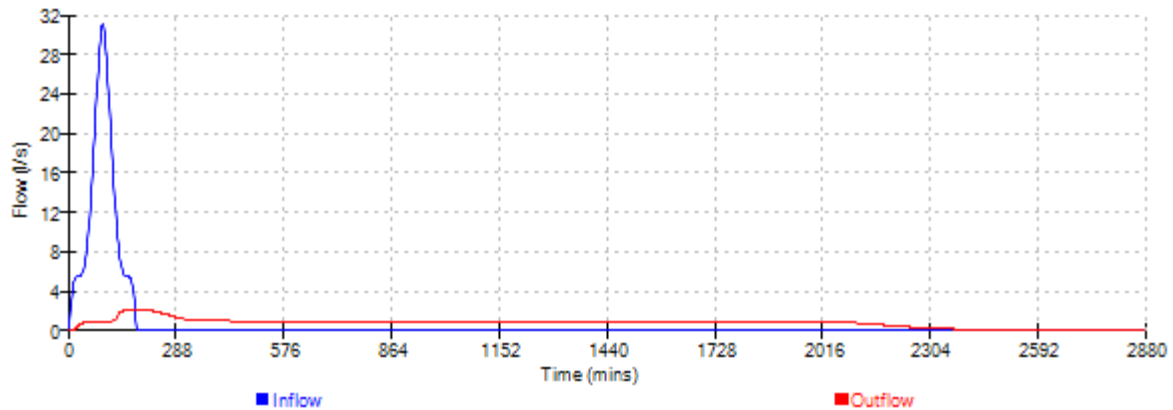
Easy Flood Risk		Page 28
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 120 min Winter



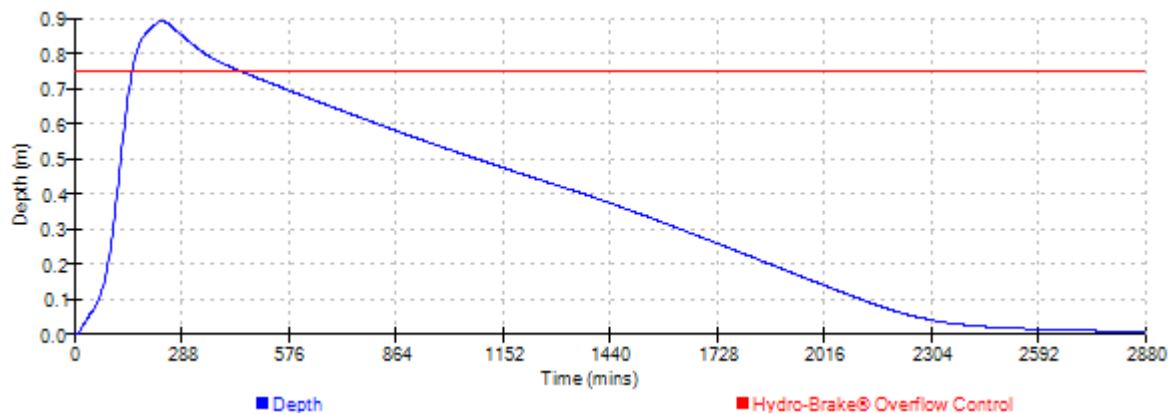
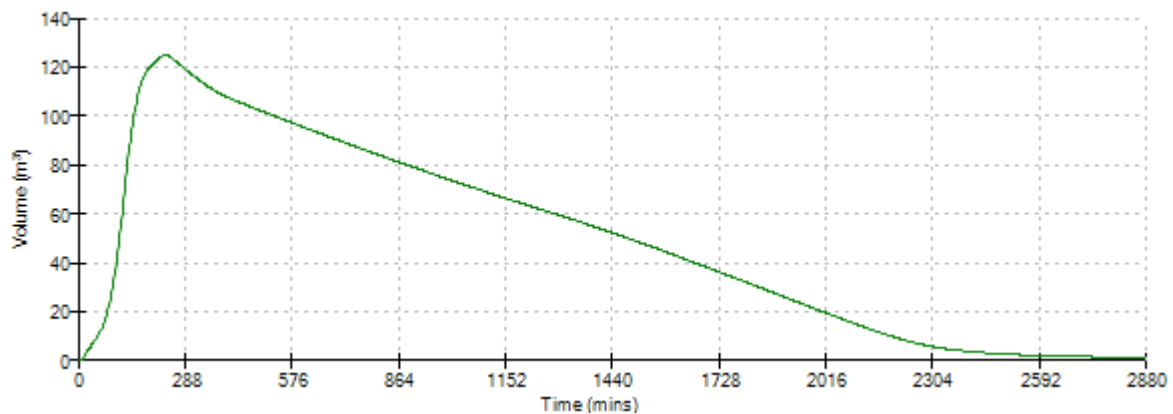
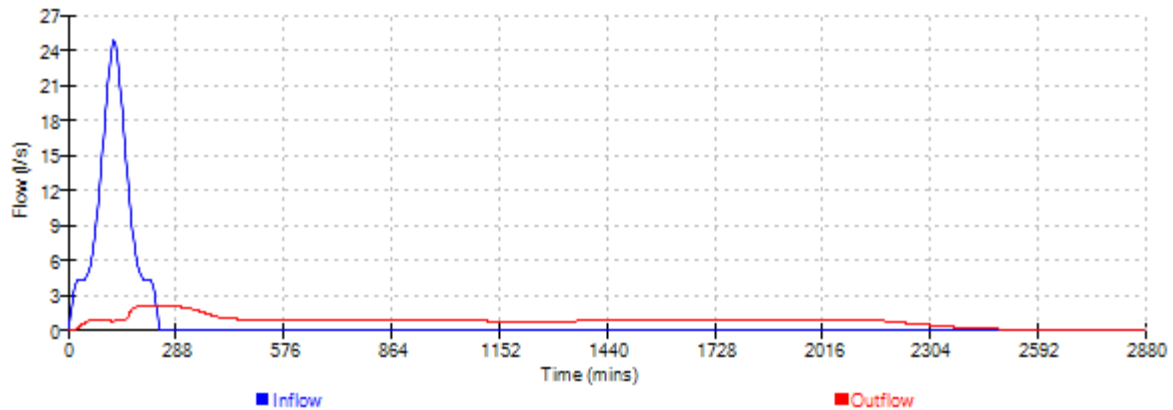
Easy Flood Risk		Page 29
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 180 min Winter



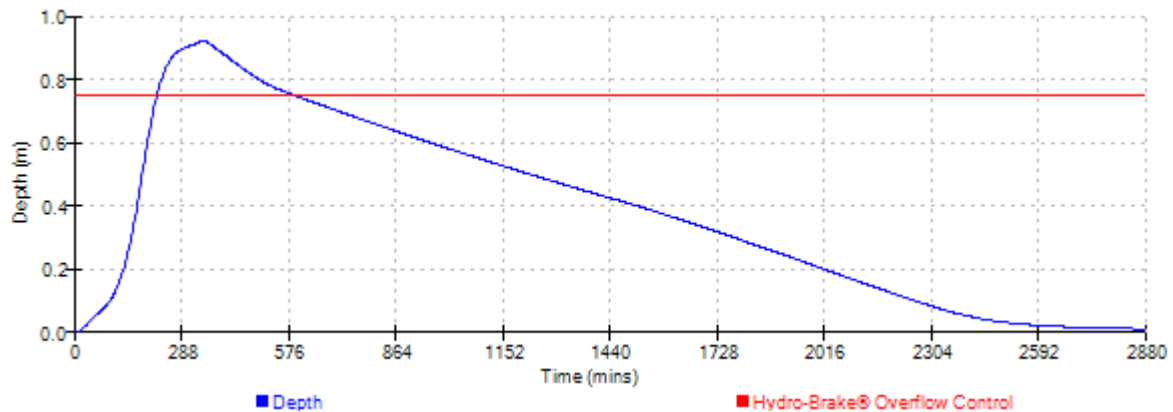
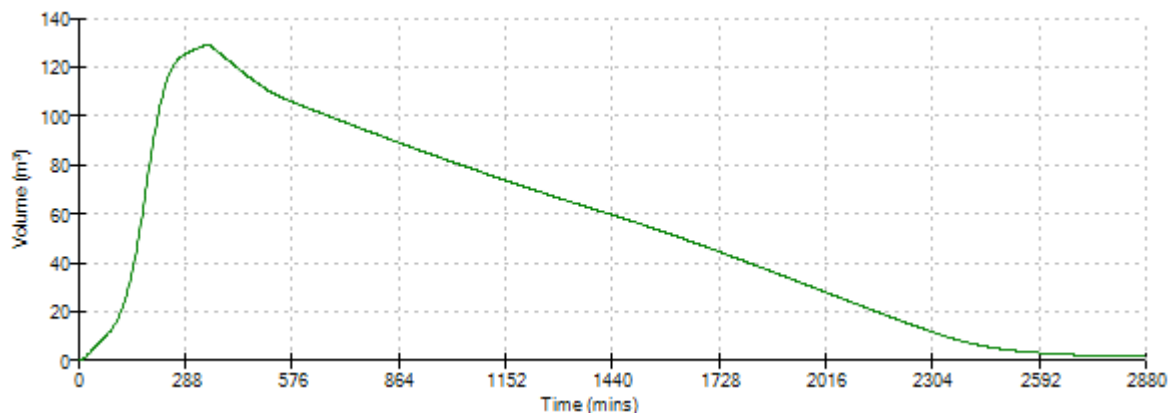
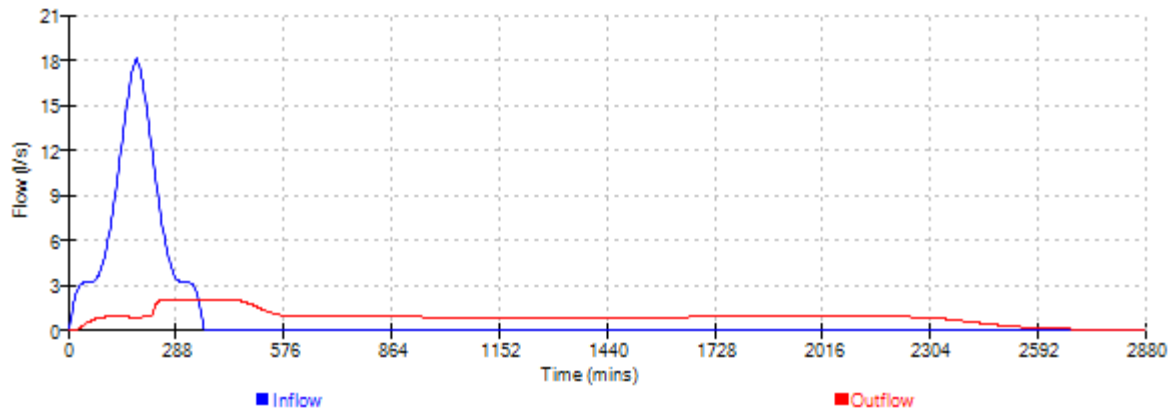
Easy Flood Risk		Page 30
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 240 min Winter



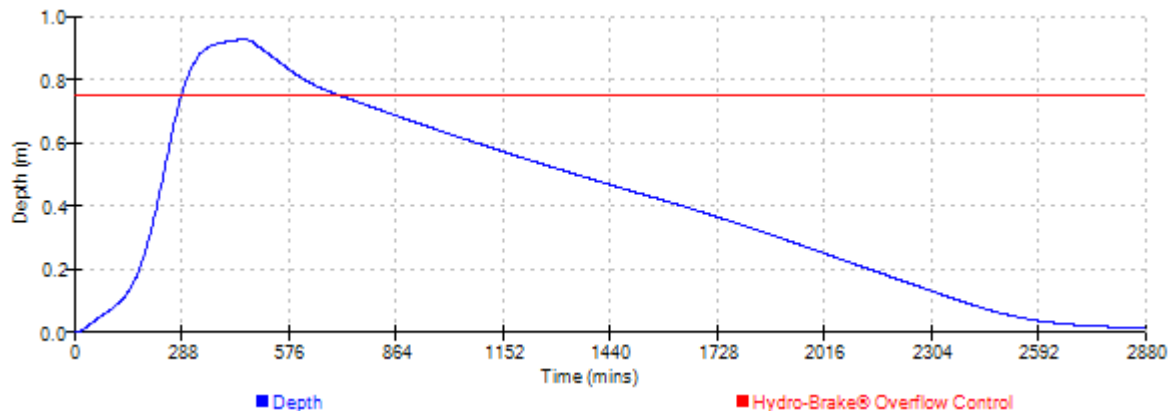
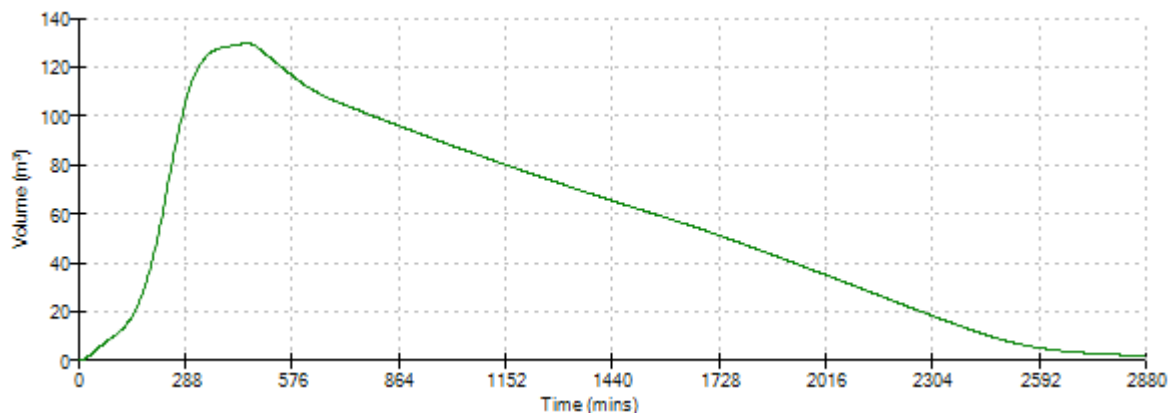
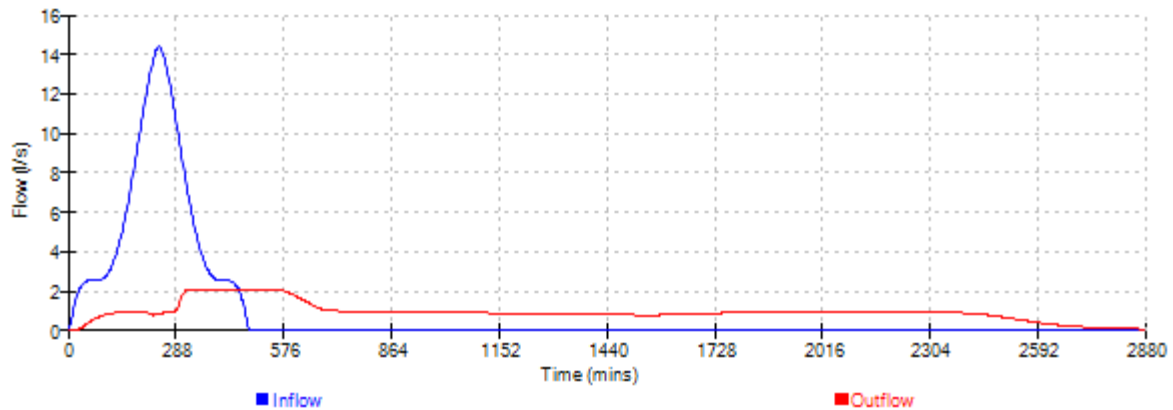
Easy Flood Risk		Page 31
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 360 min Winter



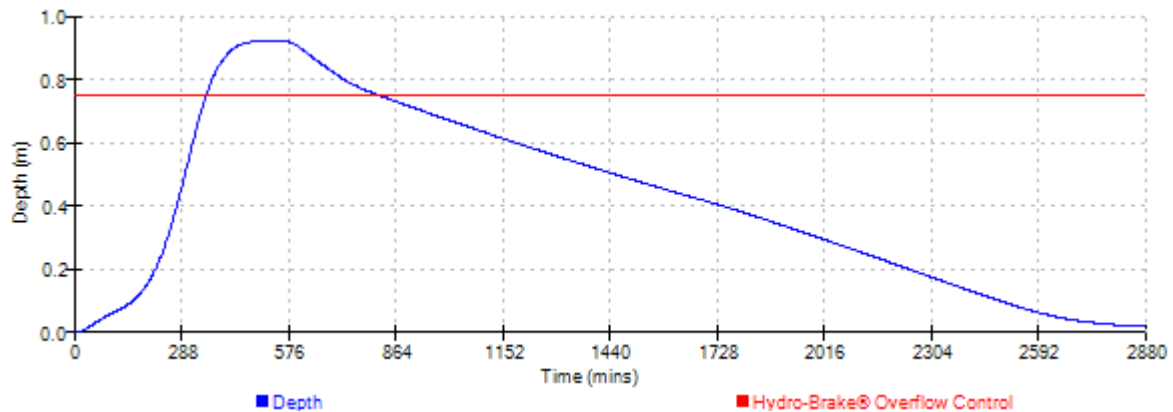
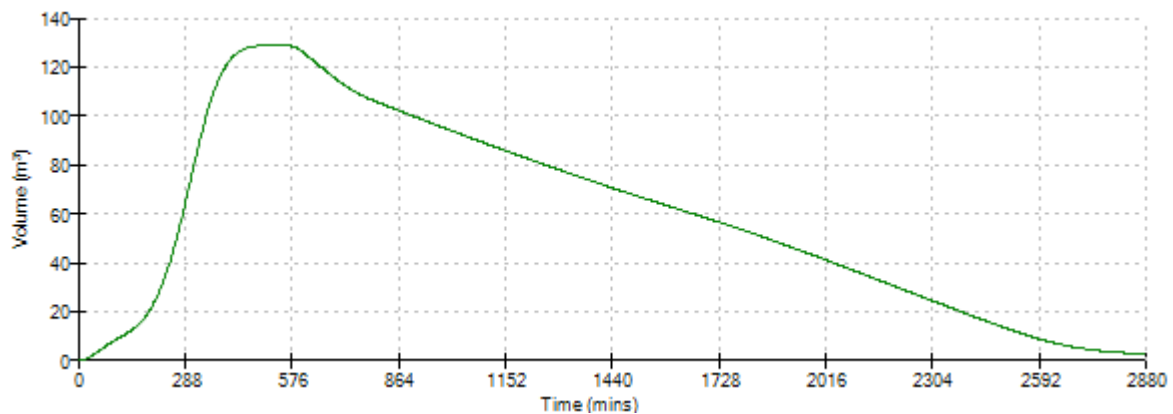
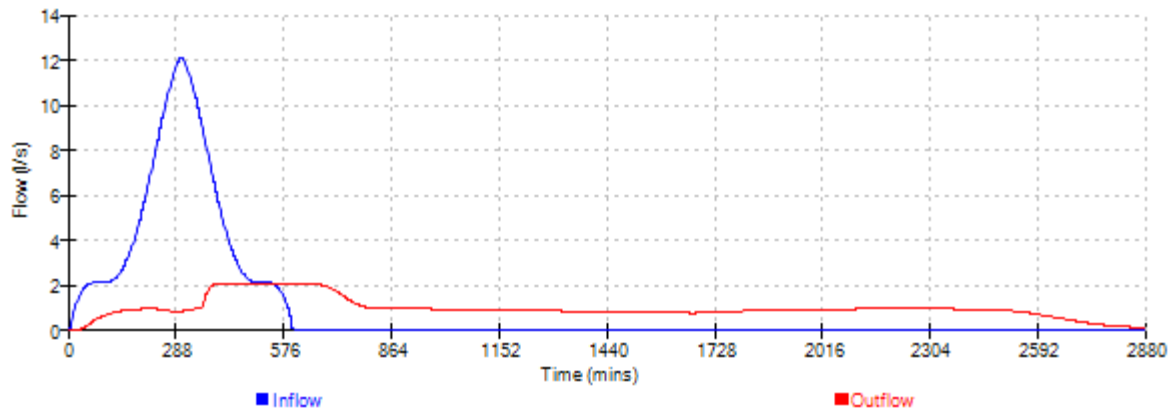
Easy Flood Risk		Page 32
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 480 min Winter



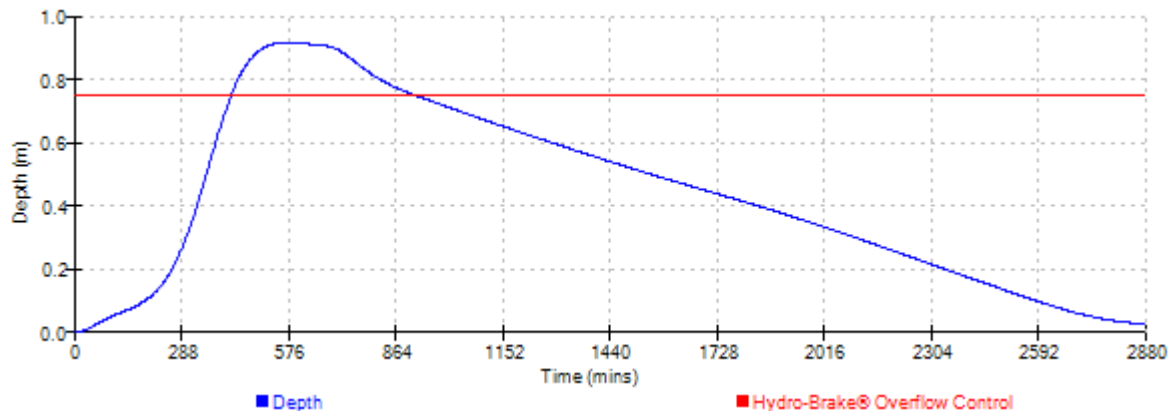
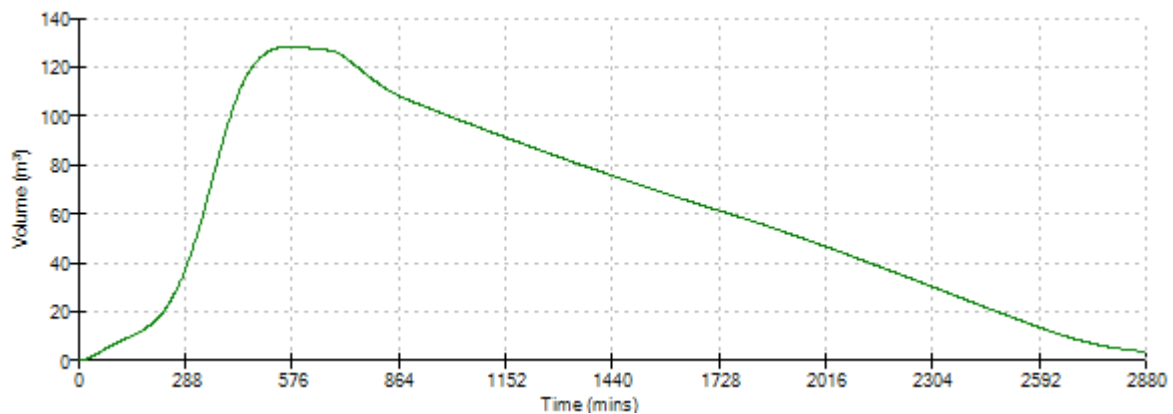
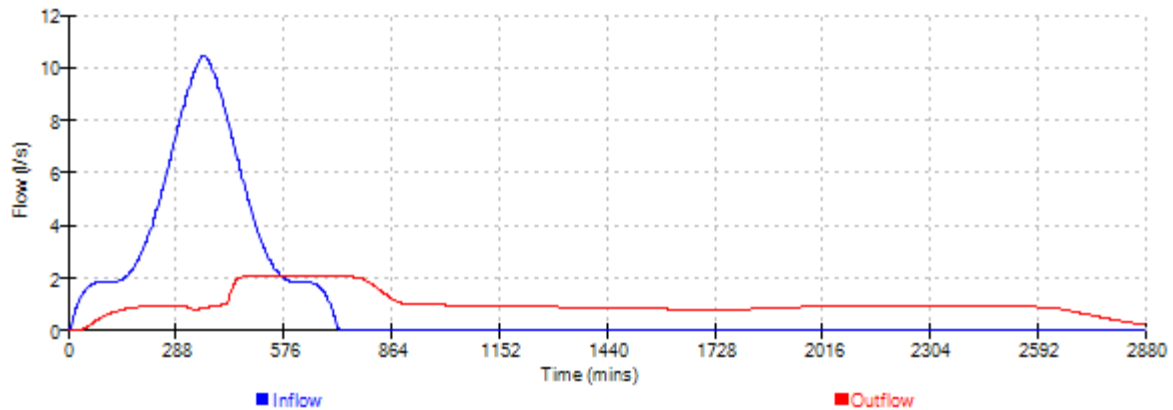
Easy Flood Risk		Page 33
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 600 min Winter



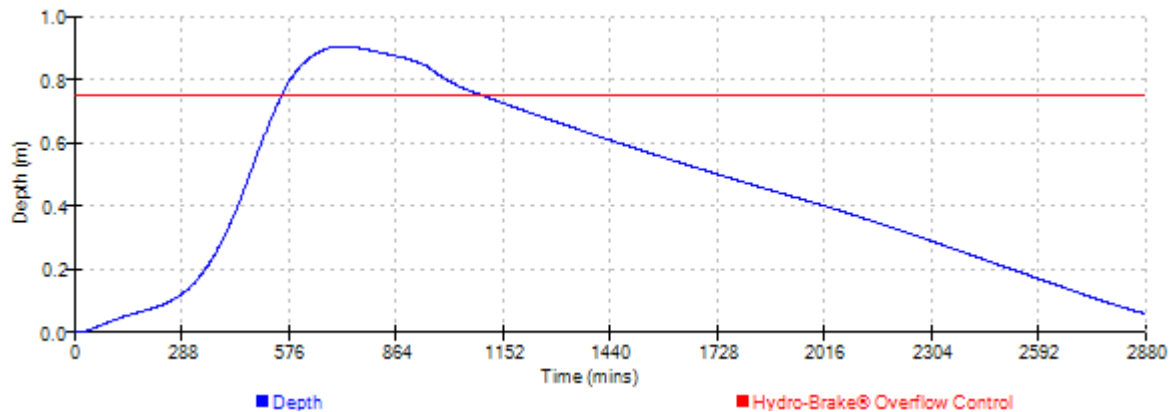
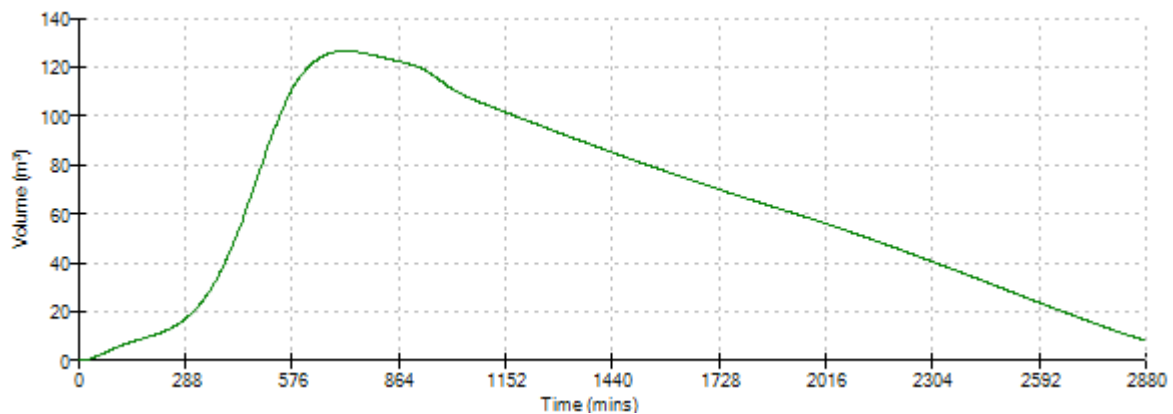
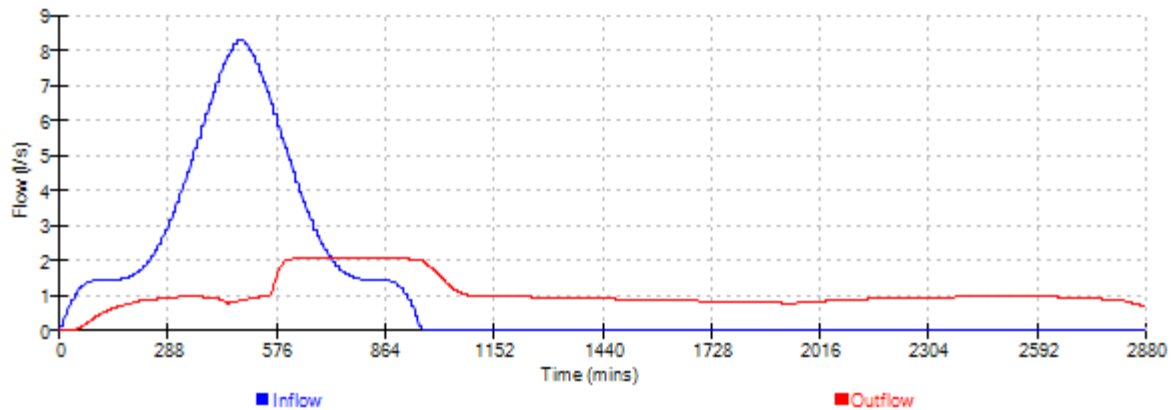
Easy Flood Risk		Page 34
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 720 min Winter



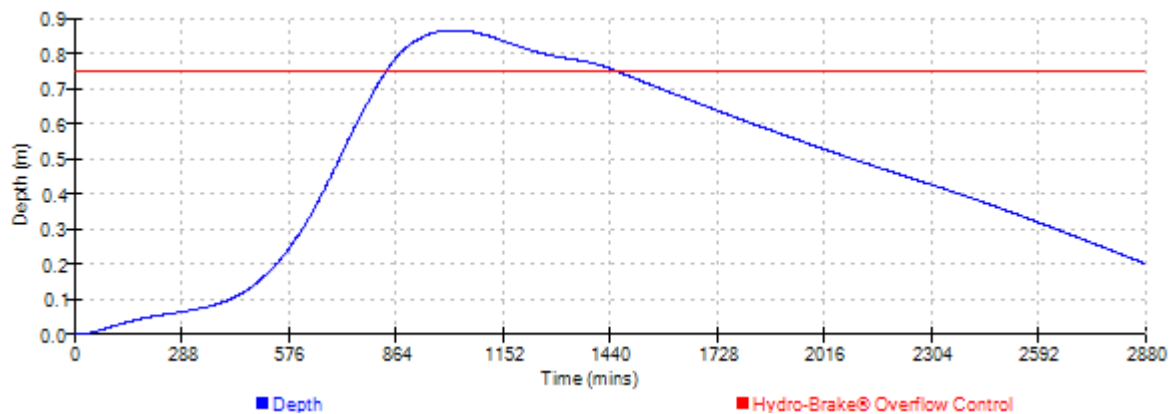
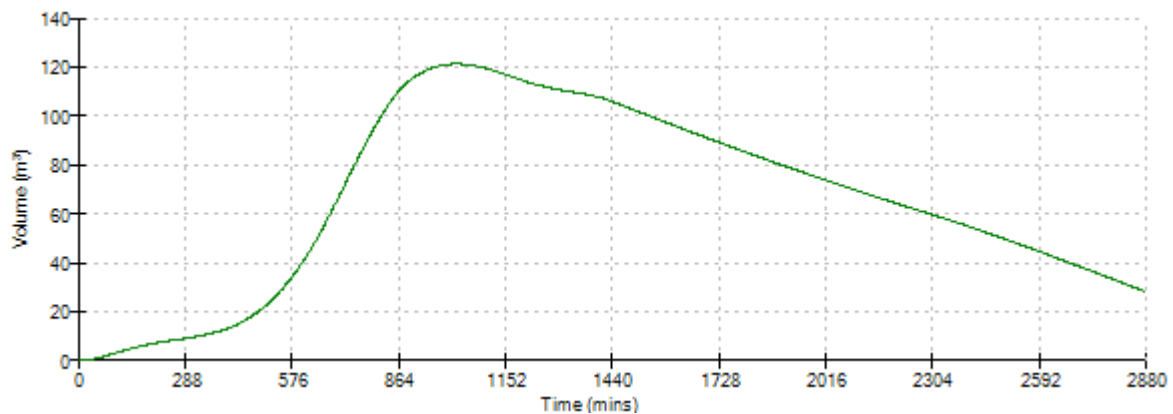
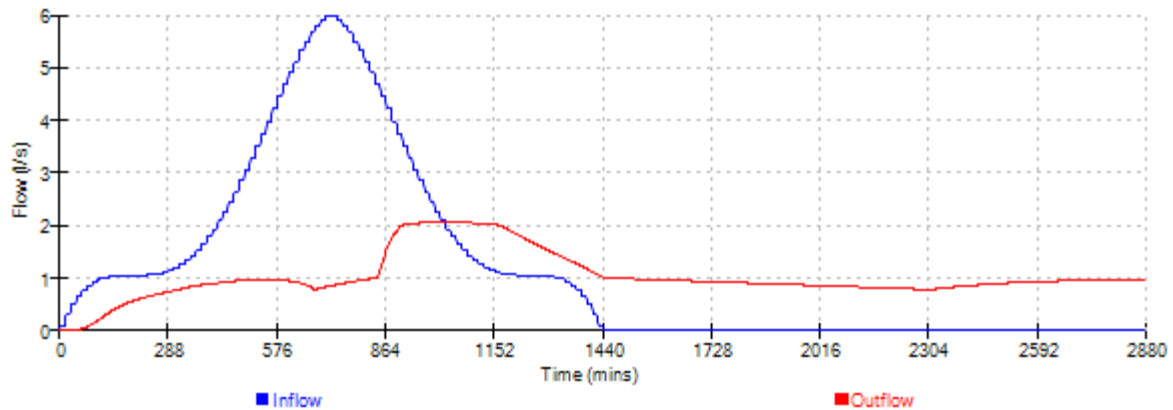
Easy Flood Risk		Page 35
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 960 min Winter



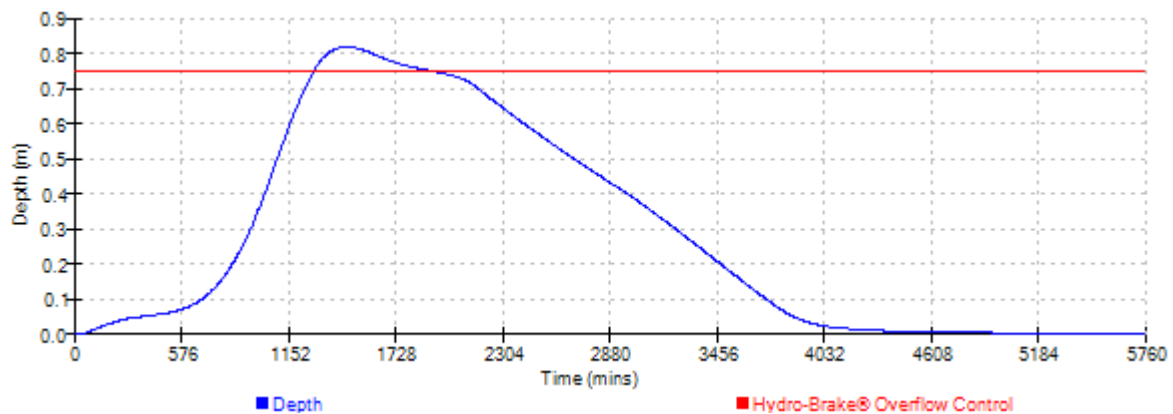
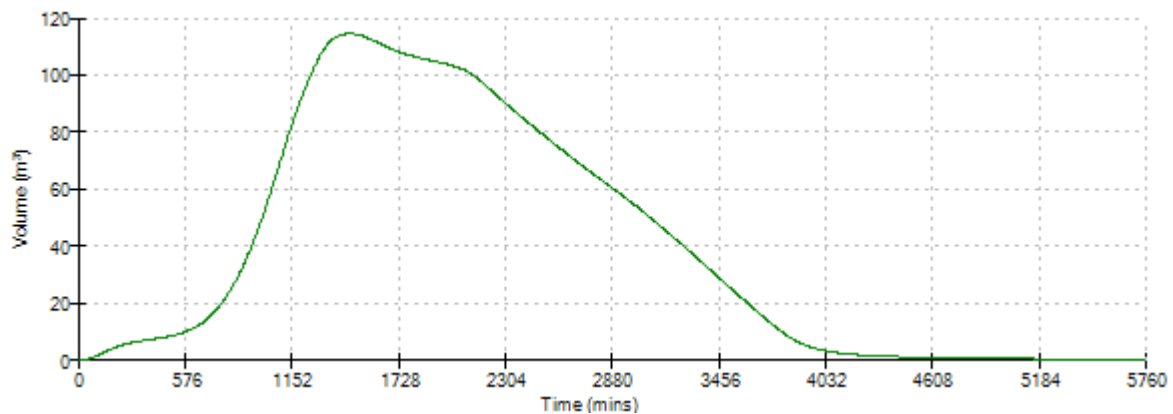
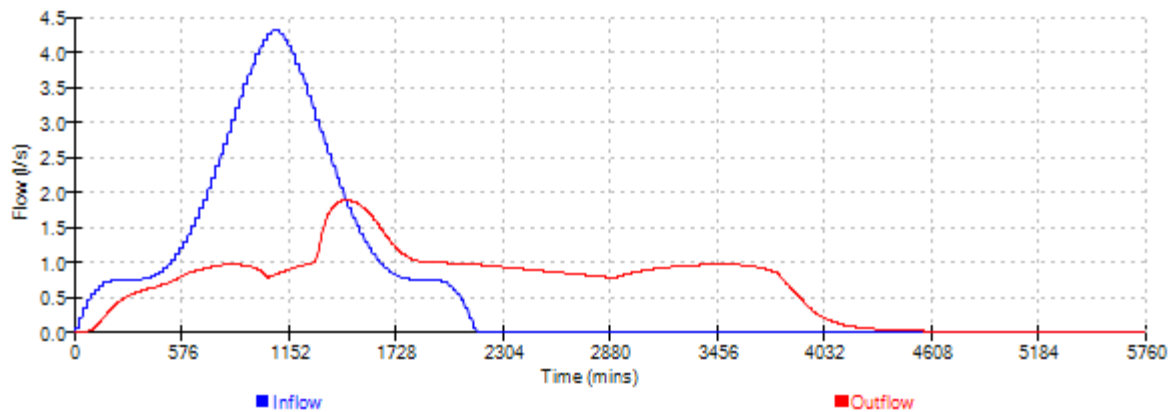
Easy Flood Risk		Page 36
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 1440 min Winter



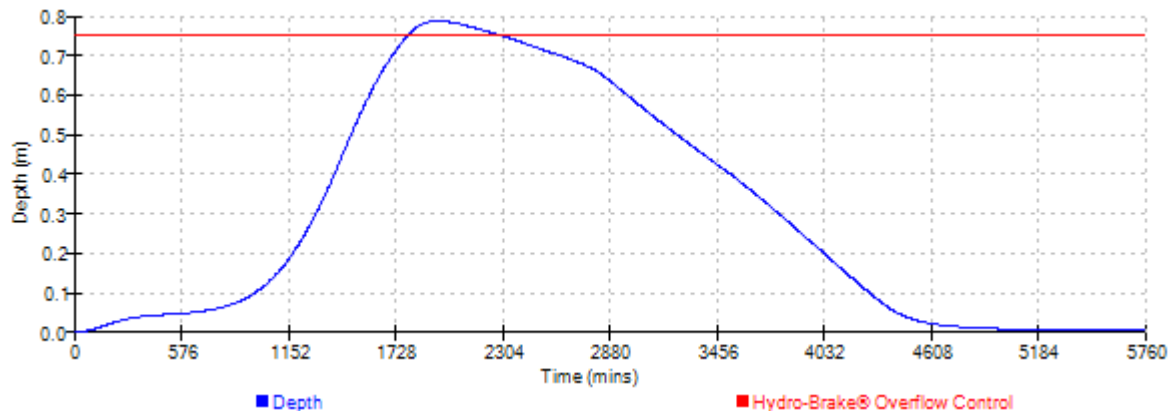
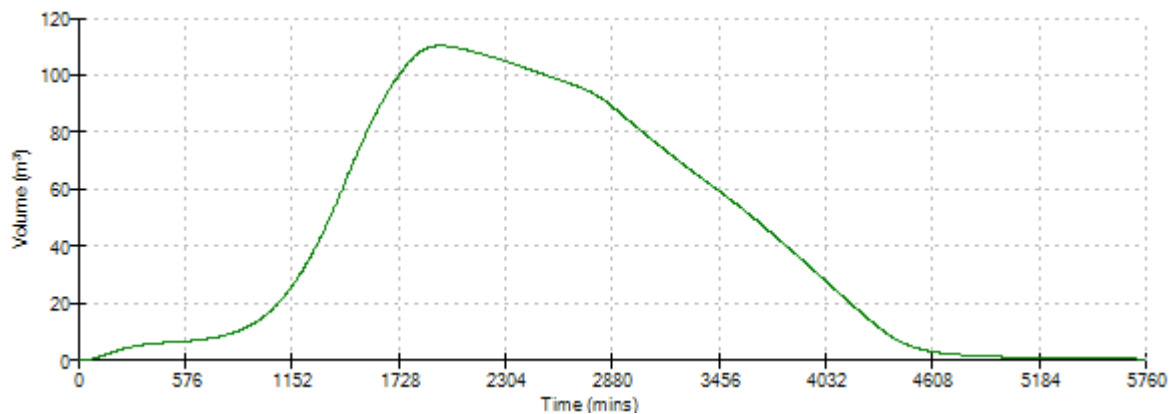
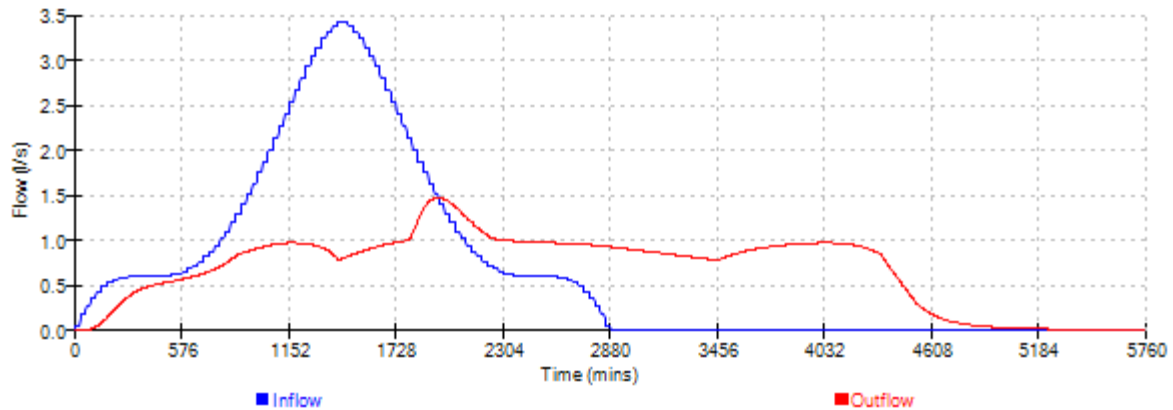
Easy Flood Risk		Page 37
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 2160 min Winter



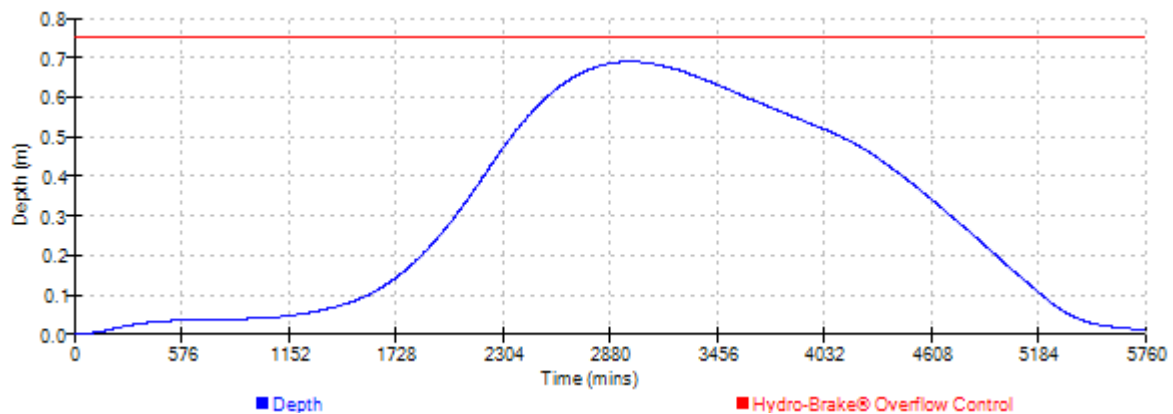
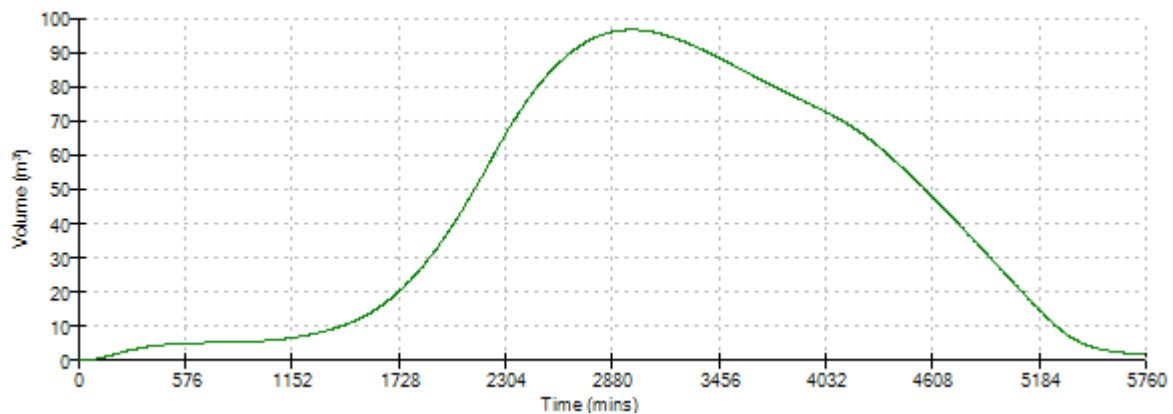
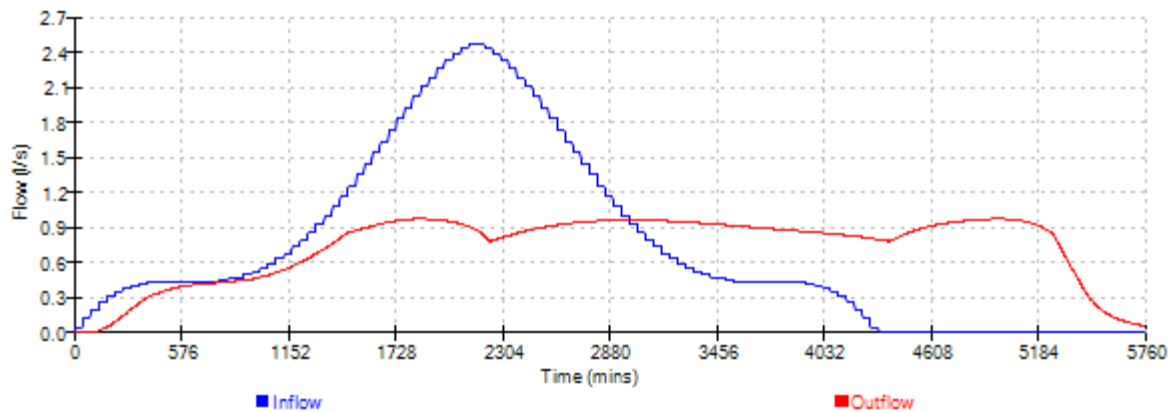
Easy Flood Risk		Page 38
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 2880 min Winter



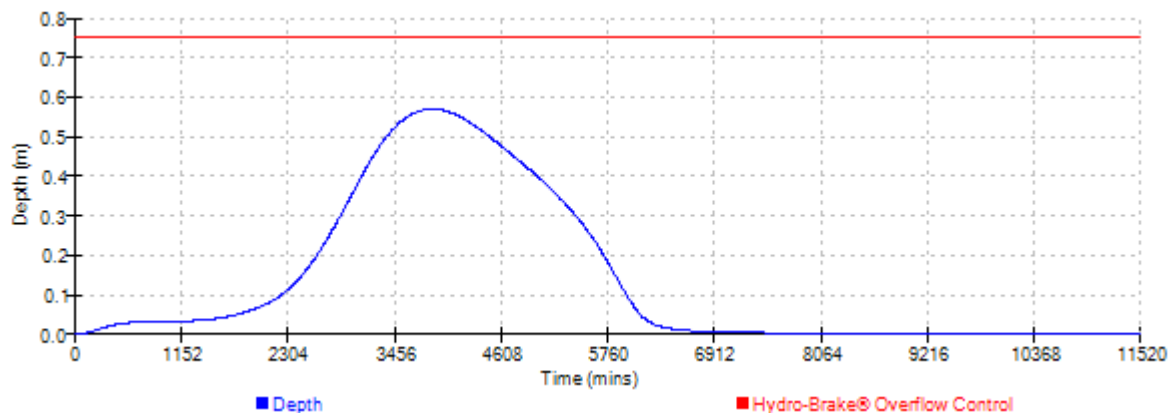
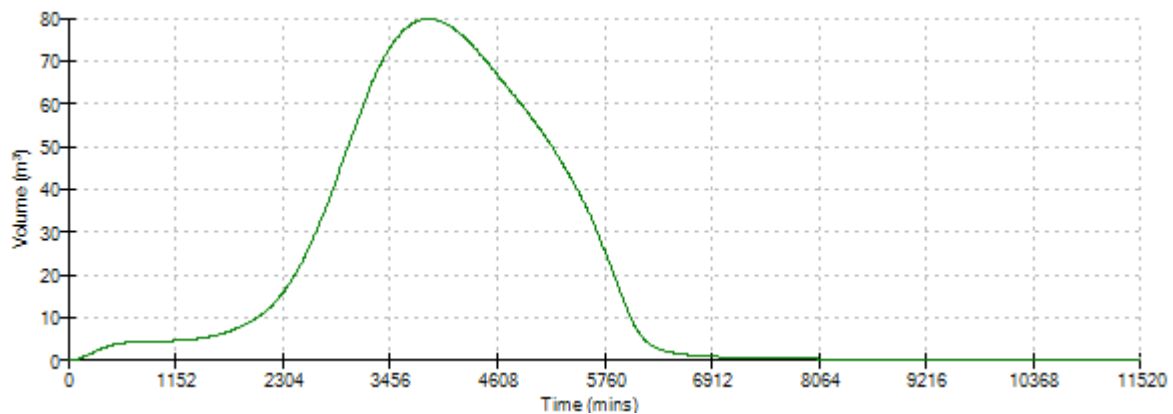
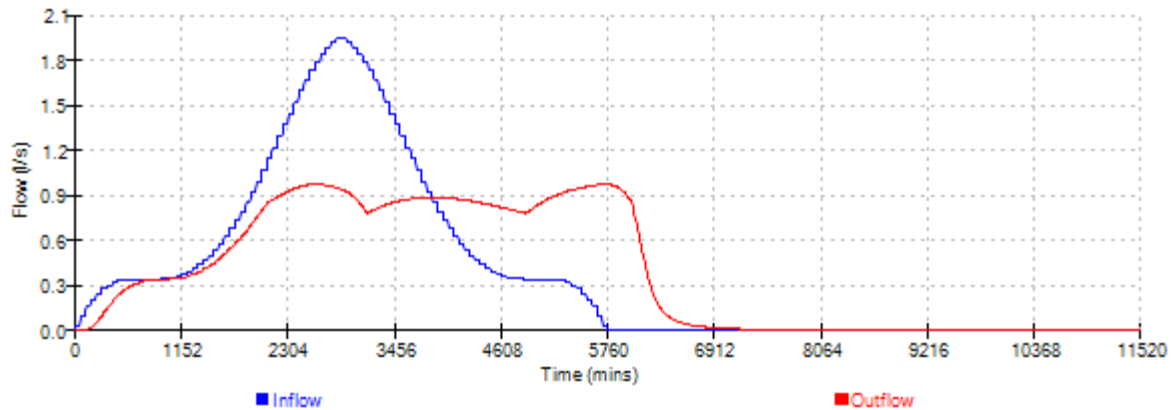
Easy Flood Risk		Page 39
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 4320 min Winter



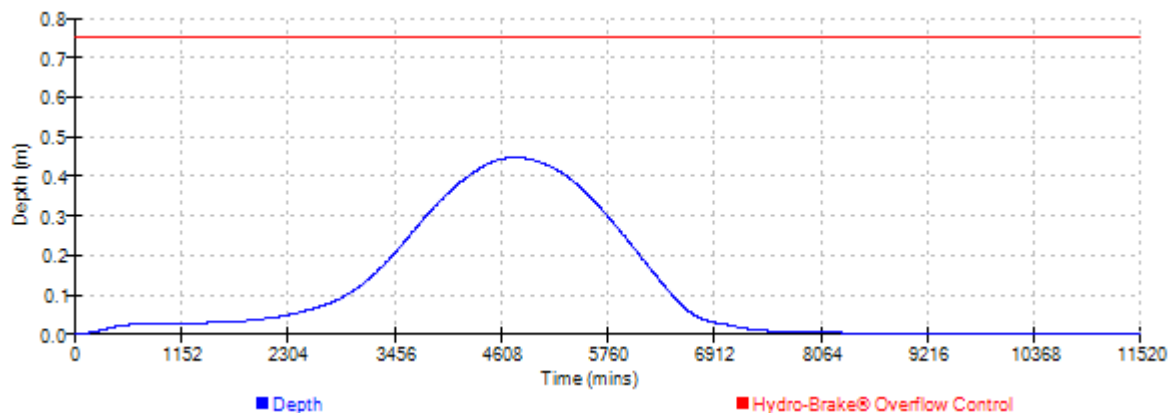
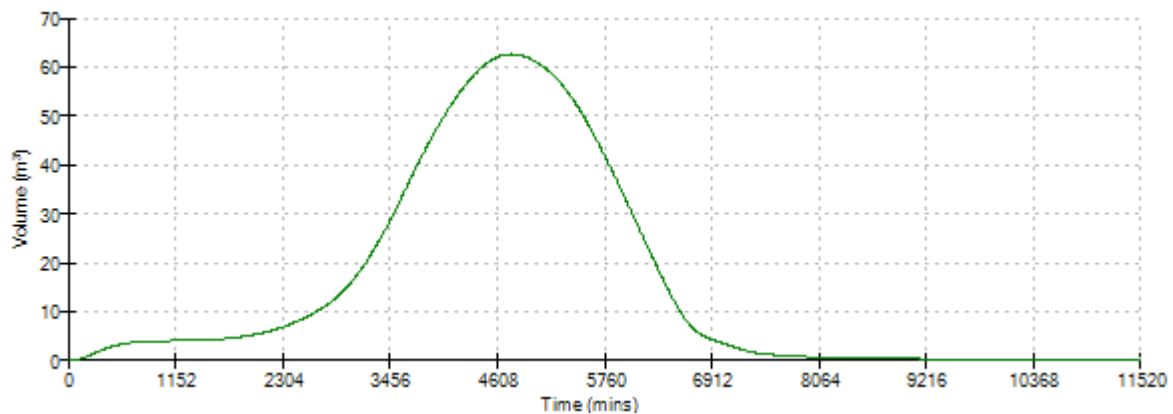
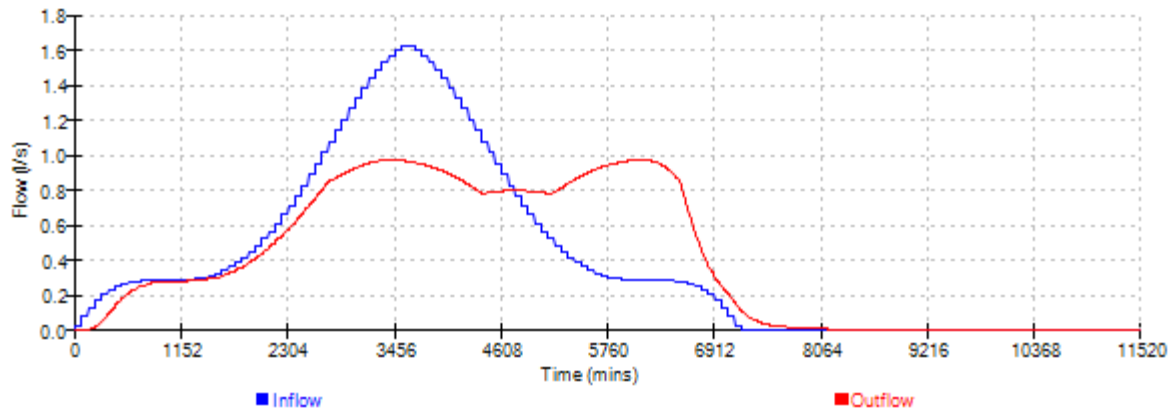
Easy Flood Risk		Page 40
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16	Designed by sheph	
File Nutts Lane.SRCX	Checked by	
Innovyze		Source Control 2020.1

Event: 5760 min Winter



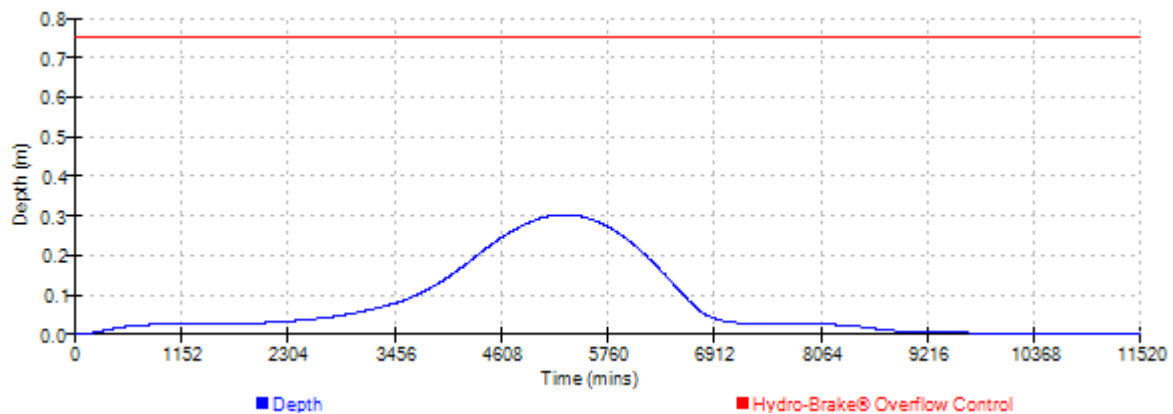
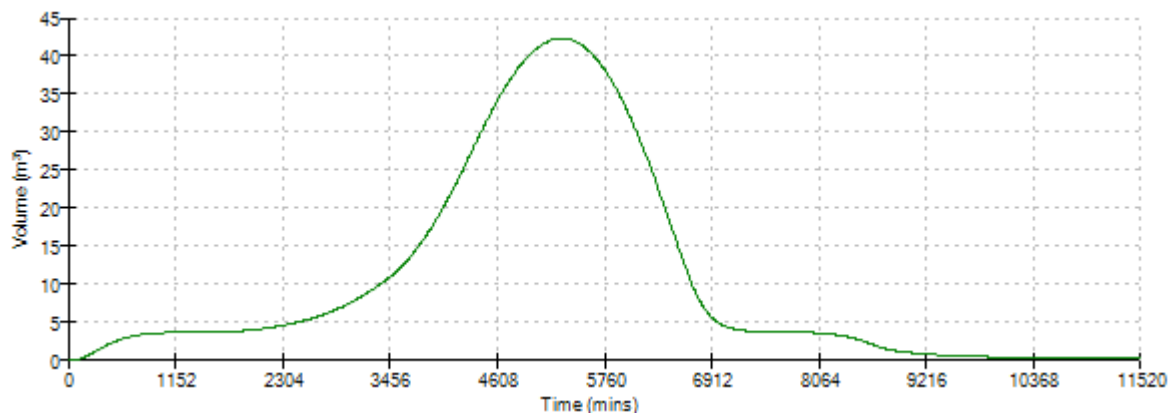
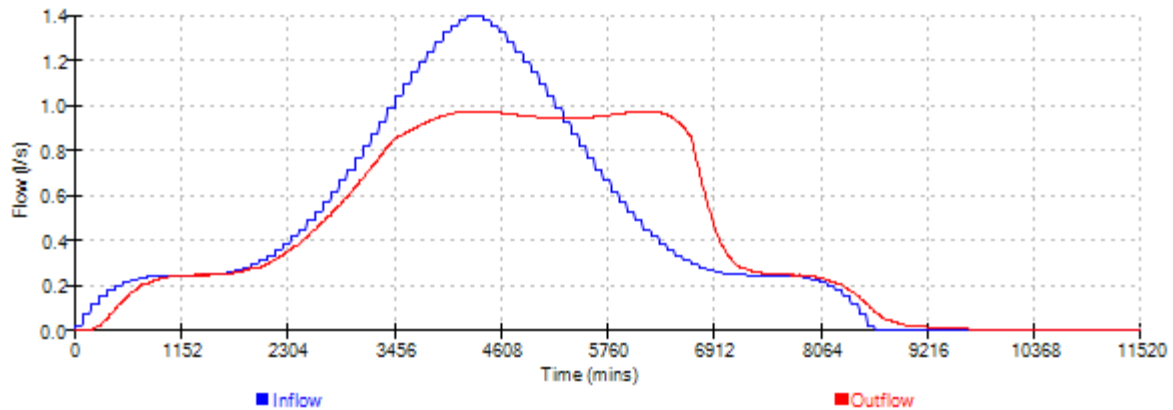
Easy Flood Risk		Page 41
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 7200 min Winter



Easy Flood Risk		Page 42
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 8640 min Winter



Easy Flood Risk		Page 43
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 06:16 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 10080 min Winter

