

Easy Flood Risk							Page 1
55 Shepherds Lane Dartford DA1 2NL							
Date 24/01/2023 07:17 File Nutts Lane.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 Σ Outflow (1/s)	Max Volume (m³)	Status
15 min Summer	88.914	0.164	1.0	0.0	1.0	22.9	O K
30 min Summer	88.959	0.209	1.0	0.0	1.0	29.3	O K
60 min Summer	89.002	0.252	1.0	0.0	1.0	35.3	O K
120 min Summer	89.041	0.291	1.0	0.0	1.0	40.8	O K
180 min Summer	89.059	0.309	1.0	0.0	1.0	43.2	O K
240 min Summer	89.067	0.317	1.0	0.0	1.0	44.4	O K
360 min Summer	89.071	0.321	1.0	0.0	1.0	45.0	O K
480 min Summer	89.069	0.319	1.0	0.0	1.0	44.7	O K
600 min Summer	89.066	0.316	1.0	0.0	1.0	44.2	O K
720 min Summer	89.062	0.312	1.0	0.0	1.0	43.6	O K
960 min Summer	89.051	0.301	1.0	0.0	1.0	42.1	O K
1440 min Summer	89.026	0.276	1.0	0.0	1.0	38.6	O K
2160 min Summer	88.988	0.238	1.0	0.0	1.0	33.3	O K
2880 min Summer	88.954	0.204	1.0	0.0	1.0	28.5	O K
4320 min Summer	88.900	0.150	1.0	0.0	1.0	21.0	O K
5760 min Summer	88.864	0.114	0.9	0.0	0.9	16.0	O K
7200 min Summer	88.841	0.091	0.9	0.0	0.9	12.7	O K
8640 min Summer	88.826	0.076	0.8	0.0	0.8	10.7	O K
10080 min Summer	88.818	0.068	0.8	0.0	0.8	9.5	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Summer	59.937	0.0	22.9	0.0	19		
30 min Summer	38.718	0.0	29.7	0.0	33		
60 min Summer	24.003	0.0	37.5	0.0	62		
120 min Summer	14.508	0.0	45.4	0.0	122		
180 min Summer	10.722	0.0	50.3	0.0	182		
240 min Summer	8.627	0.0	54.0	0.0	240		
360 min Summer	6.339	0.0	59.5	0.0	352		
480 min Summer	5.090	0.0	63.7	0.0	404		
600 min Summer	4.291	0.0	67.1	0.0	464		
720 min Summer	3.732	0.0	70.0	0.0	528		
960 min Summer	2.993	0.0	74.9	0.0	662		
1440 min Summer	2.191	0.0	82.1	0.0	926		
2160 min Summer	1.603	0.0	90.7	0.0	1324		
2880 min Summer	1.283	0.0	96.8	0.0	1704		
4320 min Summer	0.938	0.0	105.9	0.0	2424		
5760 min Summer	0.751	0.0	113.4	0.0	3120		
7200 min Summer	0.631	0.0	119.2	0.0	3816		
8640 min Summer	0.548	0.0	124.1	0.0	4496		
10080 min Summer	0.486	0.0	128.2	0.0	5200		
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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	88.934	0.184	1.0	0.0	1.0	25.8	O K
30 min Winter	88.985	0.235	1.0	0.0	1.0	32.9	O K
60 min Winter	89.035	0.285	1.0	0.0	1.0	39.8	O K
120 min Winter	89.080	0.330	1.0	0.0	1.0	46.2	O K
180 min Winter	89.102	0.352	1.0	0.0	1.0	49.3	O K
240 min Winter	89.114	0.364	1.0	0.0	1.0	50.9	O K
360 min Winter	89.123	0.373	1.0	0.0	1.0	52.2	O K
480 min Winter	89.122	0.372	1.0	0.0	1.0	52.1	O K
600 min Winter	89.115	0.365	1.0	0.0	1.0	51.1	O K
720 min Winter	89.108	0.358	1.0	0.0	1.0	50.1	O K
960 min Winter	89.092	0.342	1.0	0.0	1.0	47.9	O K
1440 min Winter	89.053	0.303	1.0	0.0	1.0	42.5	O K
2160 min Winter	88.994	0.244	1.0	0.0	1.0	34.2	O K
2880 min Winter	88.943	0.193	1.0	0.0	1.0	27.0	O K
4320 min Winter	88.870	0.120	0.9	0.0	0.9	16.8	O K
5760 min Winter	88.832	0.082	0.9	0.0	0.9	11.4	O K
7200 min Winter	88.817	0.067	0.8	0.0	0.8	9.3	O K
8640 min Winter	88.807	0.057	0.7	0.0	0.7	8.0	O K
10080 min Winter	88.801	0.051	0.6	0.0	0.6	7.1	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Overflow Volume (m³)	Time-Peak (mins)		
15 min Winter	59.937	0.0	25.7	0.0	18		
30 min Winter	38.718	0.0	33.3	0.0	33		
60 min Winter	24.003	0.0	42.0	0.0	62		
120 min Winter	14.508	0.0	50.8	0.0	120		
180 min Winter	10.722	0.0	56.3	0.0	178		
240 min Winter	8.627	0.0	60.5	0.0	236		
360 min Winter	6.339	0.0	66.6	0.0	348		
480 min Winter	5.090	0.0	71.4	0.0	456		
600 min Winter	4.291	0.0	75.2	0.0	554		
720 min Winter	3.732	0.0	78.5	0.0	572		
960 min Winter	2.993	0.0	83.9	0.0	722		
1440 min Winter	2.191	0.0	92.0	0.0	1022		
2160 min Winter	1.603	0.0	101.6	0.0	1428		
2880 min Winter	1.283	0.0	108.4	0.0	1816		
4320 min Winter	0.938	0.0	118.7	0.0	2508		
5760 min Winter	0.751	0.0	127.0	0.0	3120		
7200 min Winter	0.631	0.0	133.5	0.0	3816		
8640 min Winter	0.548	0.0	139.0	0.0	4496		
10080 min Winter	0.486	0.0	143.7	0.0	5224		
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Rainfall Details

Rainfall Model	FSR	Winter Storms	Yes
Return Period (years)	10	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 %	+0

Time Area Diagram

Total Area (ha) 0.210

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

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Model Details Storage is Online Cover Level (m) 90.000 Tank or Pond Structure Invert Level (m) 88.750 <table><tr><th>Depth (m)</th><th>Area (m²)</th><th>Depth (m)</th><th>Area (m²)</th></tr><tr><td>0.000</td><td>140.0</td><td>0.750</td><td>140.0</td></tr></table> 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 <table><tr><th>Control Points</th><th>Head (m)</th><th>Flow (l/s)</th><th>Control Points</th><th>Head (m)</th><th>Flow (l/s)</th></tr><tr><td>Design Point (Calculated)</td><td>0.750</td><td>1.0</td><td>Kick-Flo®</td><td>0.424</td><td>0.8</td></tr><tr><td>Flush-Flo™</td><td>0.196</td><td>1.0</td><td>Mean Flow over Head Range</td><td>-</td><td>0.9</td></tr></table> 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 <table><tr><th>Depth (m)</th><th>Flow (l/s)</th><th>Depth (m)</th><th>Flow (l/s)</th><th>Depth (m)</th><th>Flow (l/s)</th><th>Depth (m)</th><th>Flow (l/s)</th></tr><tr><td>0.100</td><td>0.9</td><td>1.200</td><td>1.2</td><td>3.000</td><td>1.9</td><td>7.000</td><td>2.8</td></tr><tr><td>0.200</td><td>1.0</td><td>1.400</td><td>1.3</td><td>3.500</td><td>2.0</td><td>7.500</td><td>2.9</td></tr><tr><td>0.300</td><td>0.9</td><td>1.600</td><td>1.4</td><td>4.000</td><td>2.1</td><td>8.000</td><td>2.9</td></tr><tr><td>0.400</td><td>0.9</td><td>1.800</td><td>1.5</td><td>4.500</td><td>2.3</td><td>8.500</td><td>3.0</td></tr><tr><td>0.500</td><td>0.8</td><td>2.000</td><td>1.6</td><td>5.000</td><td>2.4</td><td>9.000</td><td>3.1</td></tr><tr><td>0.600</td><td>0.9</td><td>2.200</td><td>1.6</td><td>5.500</td><td>2.5</td><td>9.500</td><td>3.2</td></tr><tr><td>0.800</td><td>1.0</td><td>2.400</td><td>1.7</td><td>6.000</td><td>2.6</td><td></td><td></td></tr><tr><td>1.000</td><td>1.1</td><td>2.600</td><td>1.7</td><td>6.500</td><td>2.7</td><td></td><td></td></tr></table>			Depth (m)	Area (m²)	Depth (m)	Area (m²)	0.000	140.0	0.750	140.0	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	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		
Depth (m)	Area (m²)	Depth (m)	Area (m²)																																																																																																	
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0.300	0.9	1.600	1.4	4.000	2.1	8.000	2.9																																																																																													
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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																																																																																															
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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

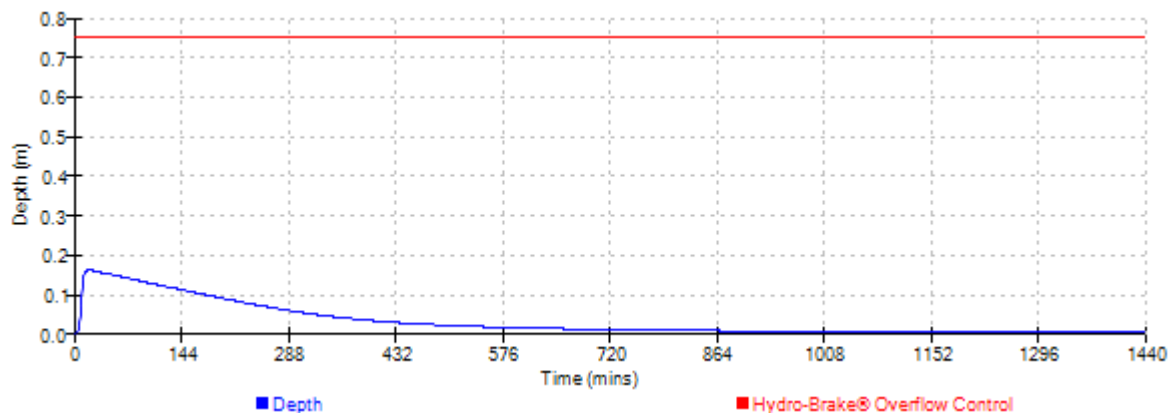
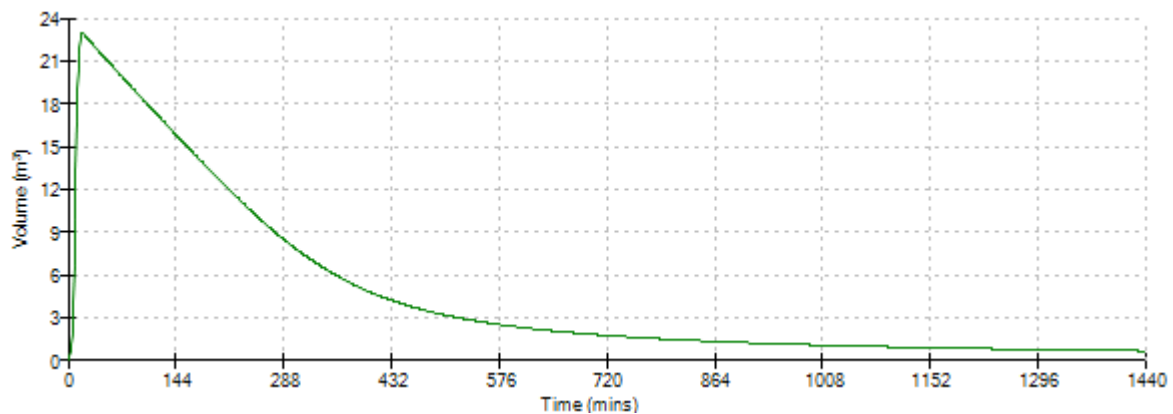
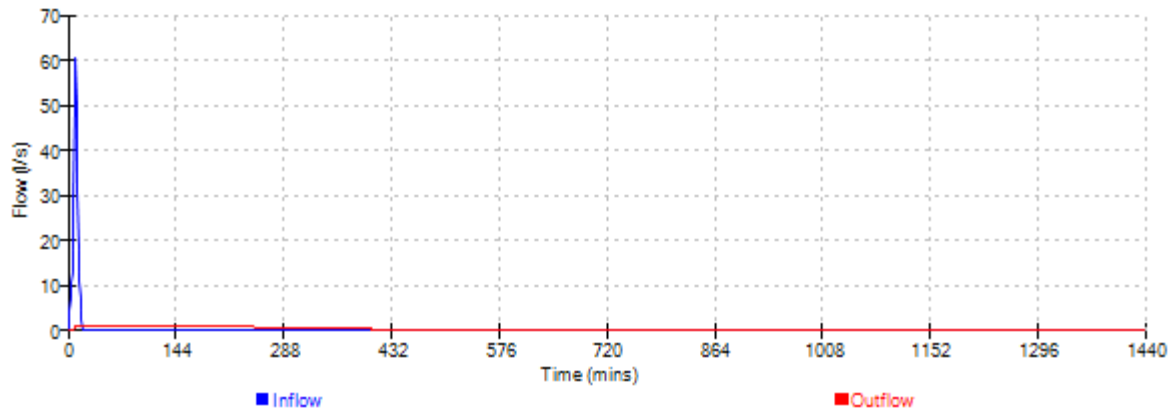
The hydrological calculations have been based on the Head/Discharge relationship for the Hydro-Brake® Optimum as specified. Should another type of control device other than a Hydro-Brake Optimum® be utilised then these storage routing calculations will be invalidated

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		

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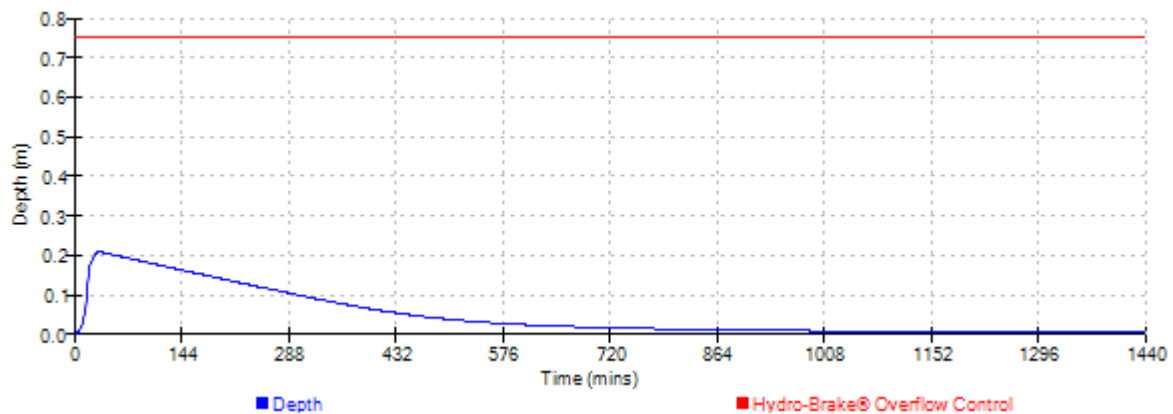
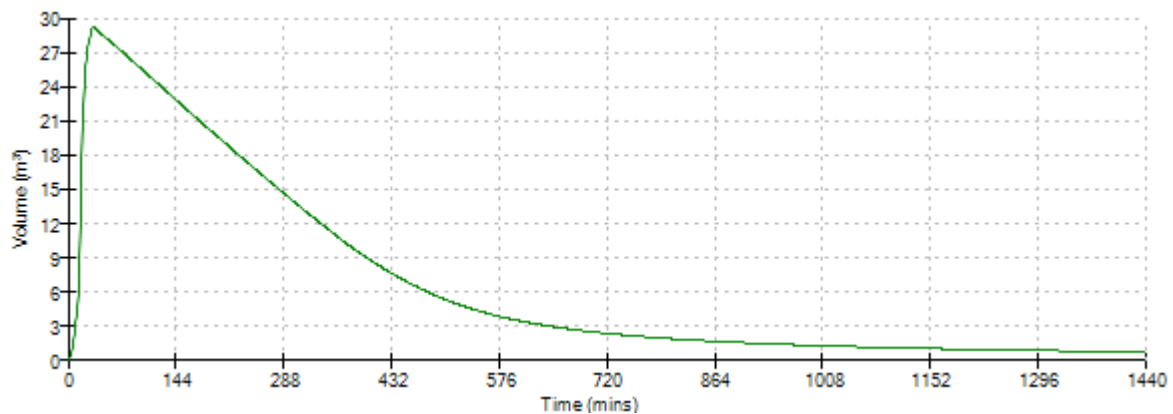
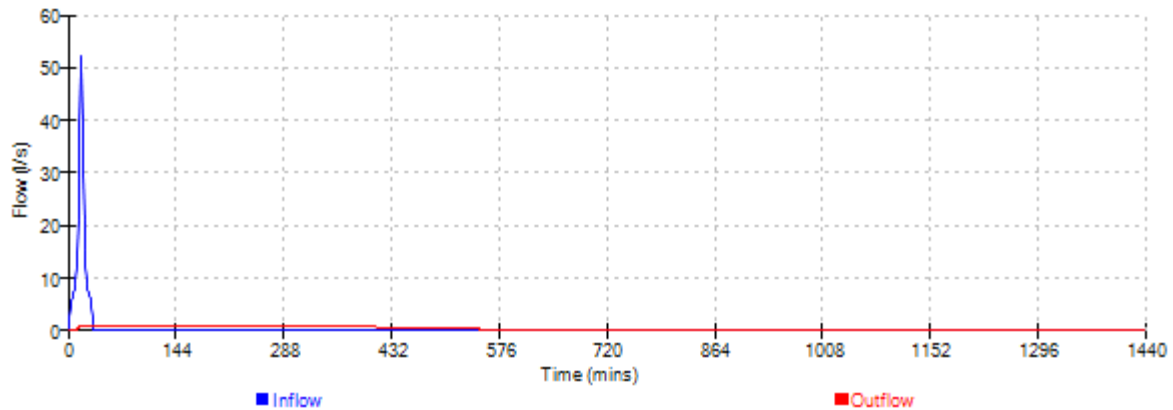
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Event: 15 min Summer



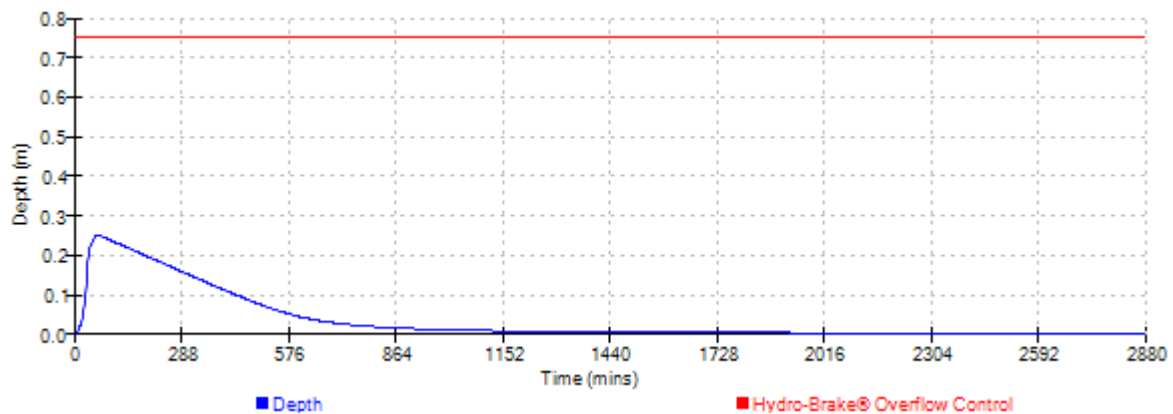
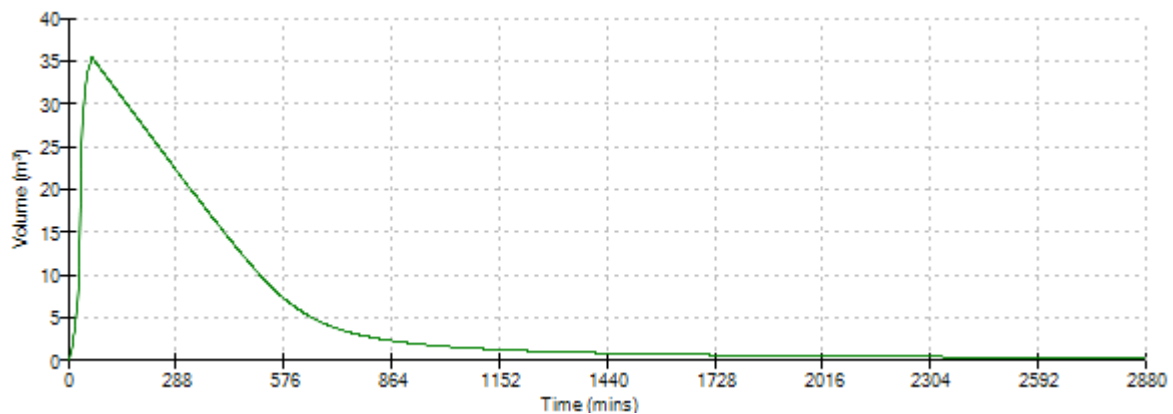
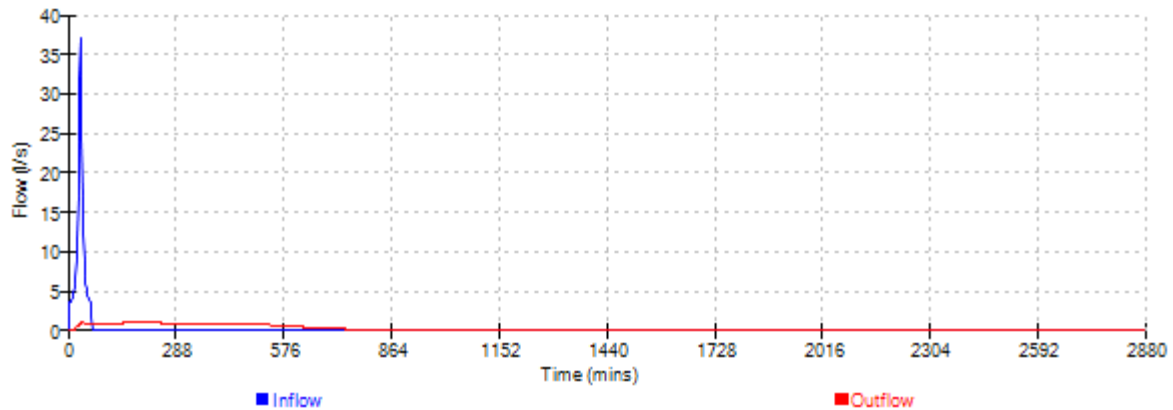
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Event: 30 min Summer



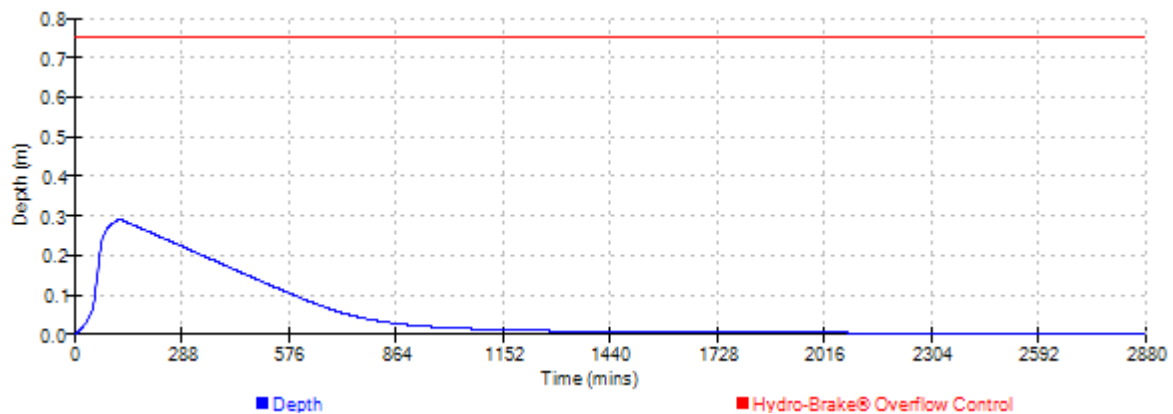
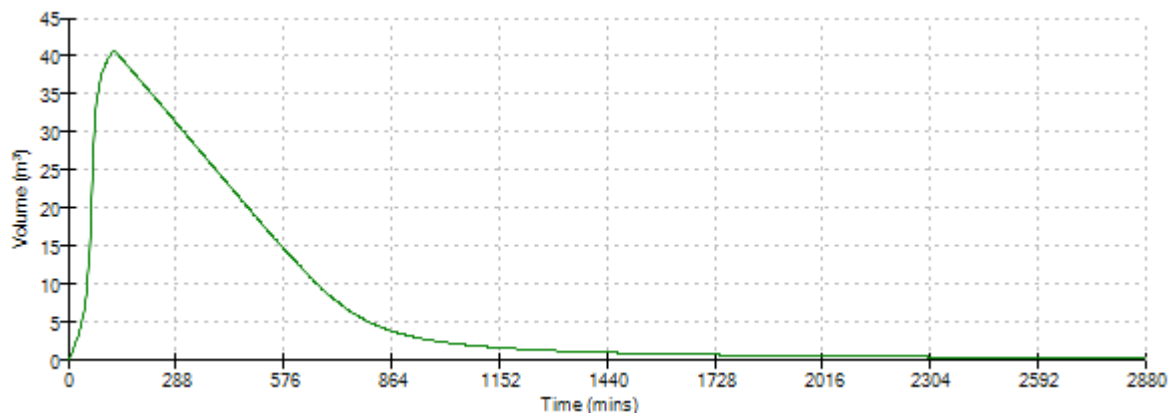
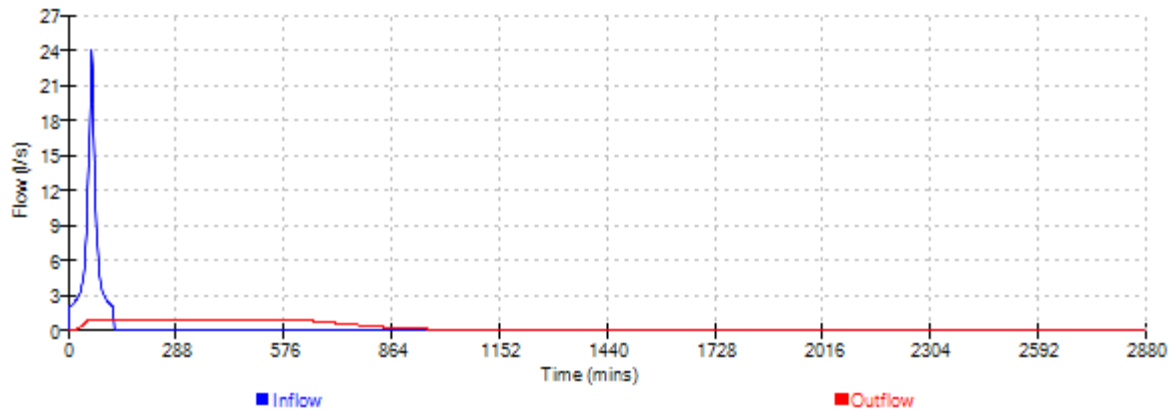
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Event: 60 min Summer



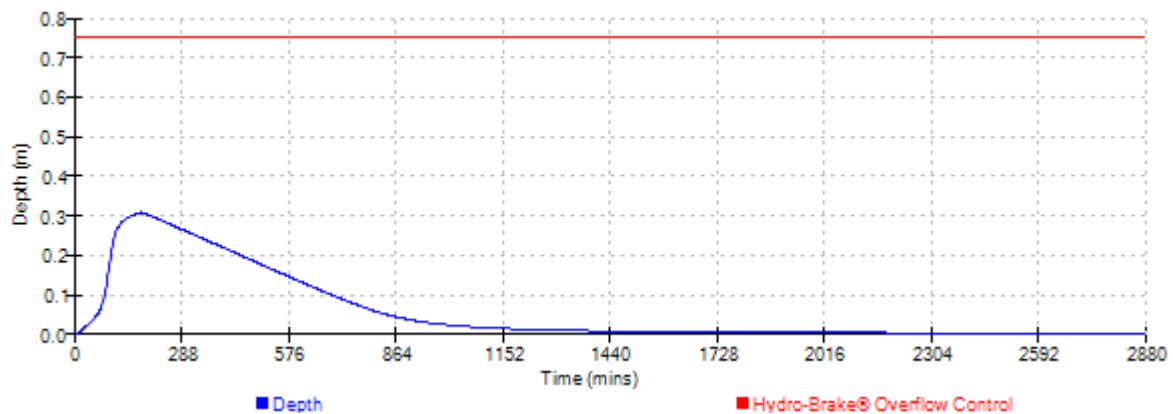
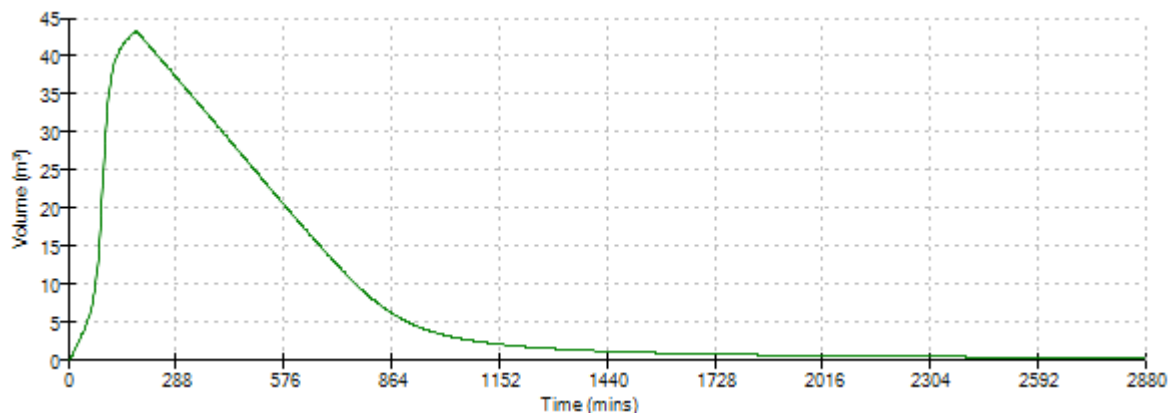
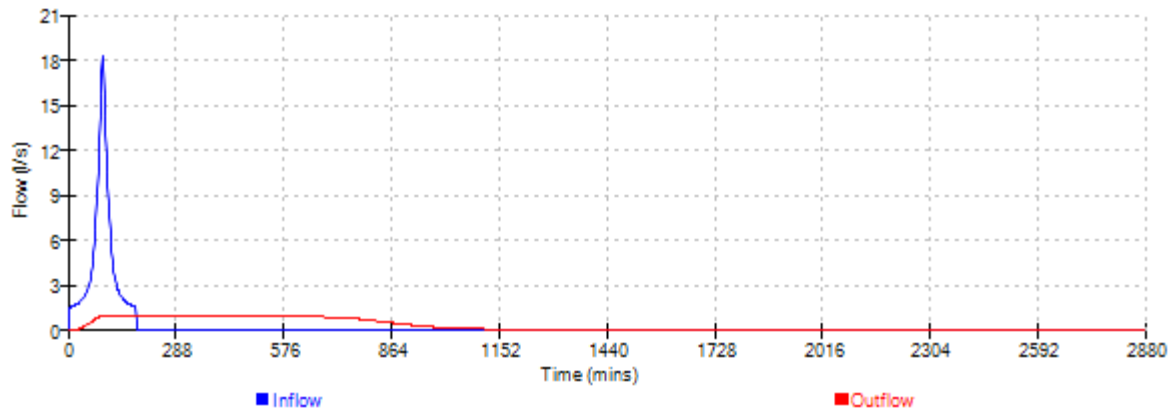
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Event: 120 min Summer



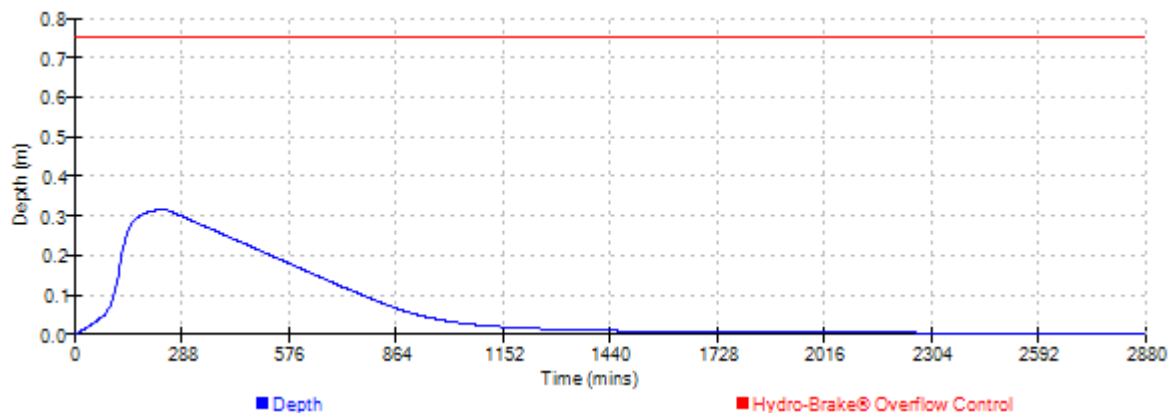
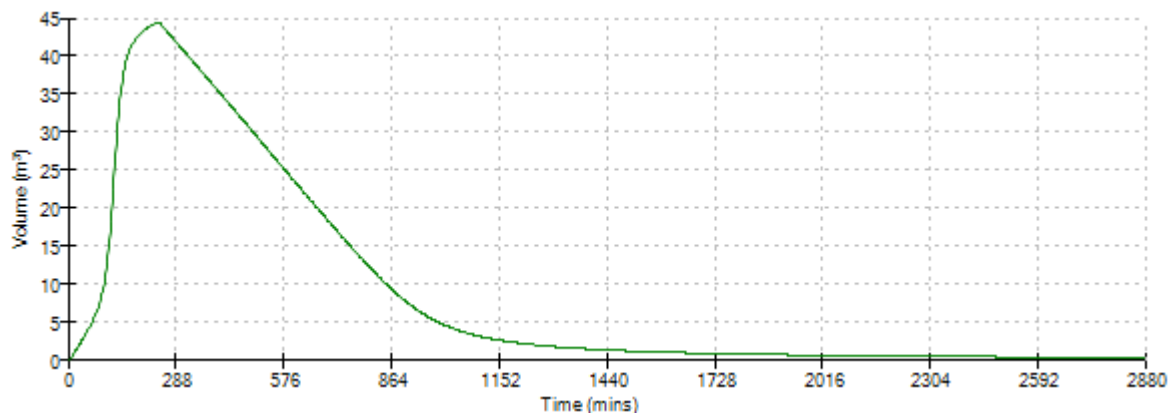
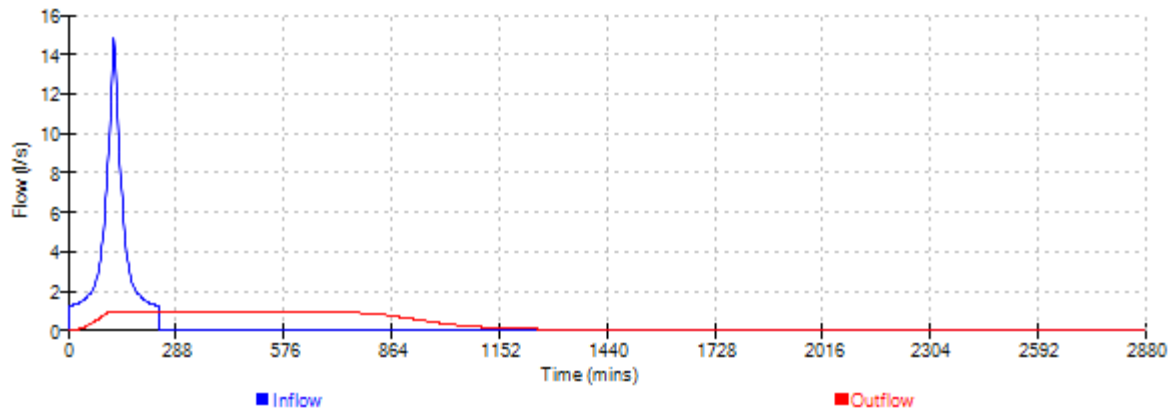
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Event: 180 min Summer



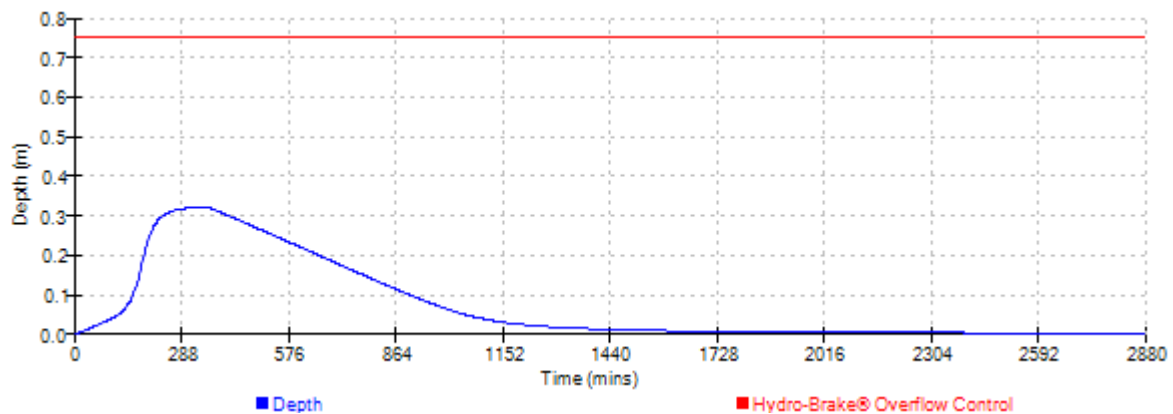
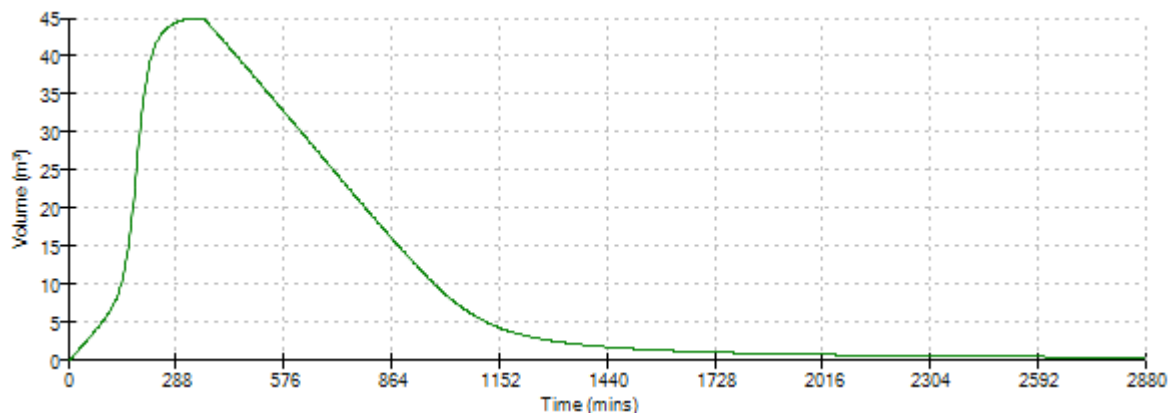
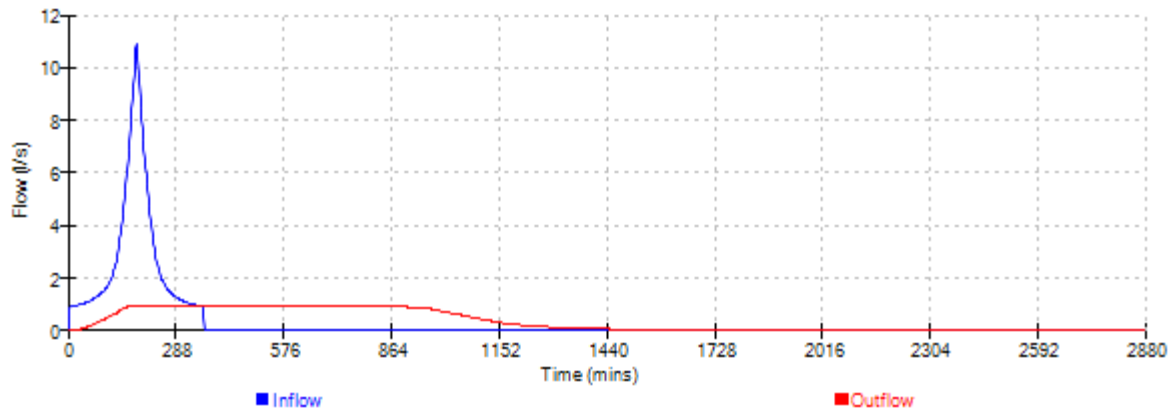
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Event: 240 min Summer



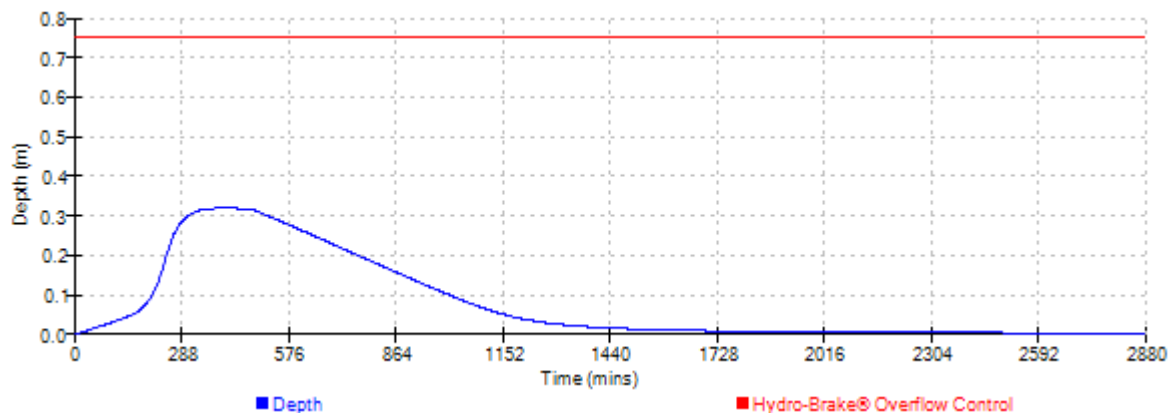
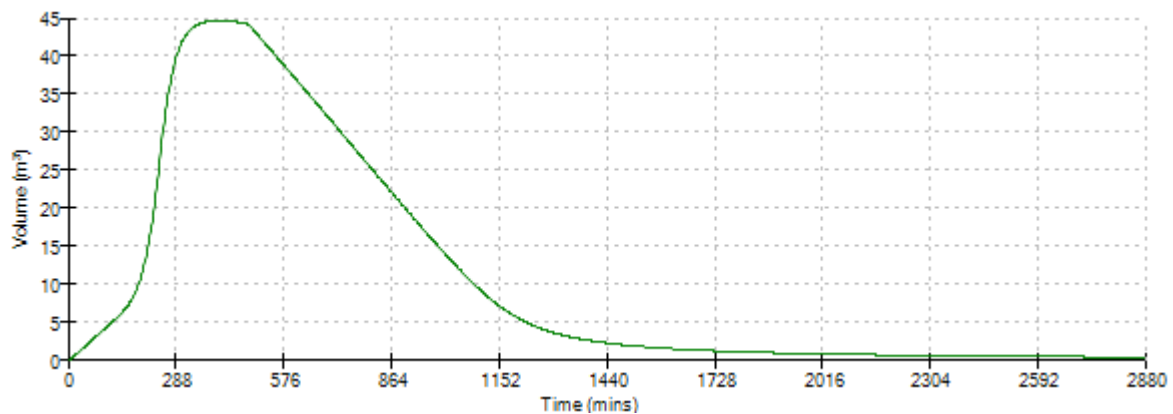
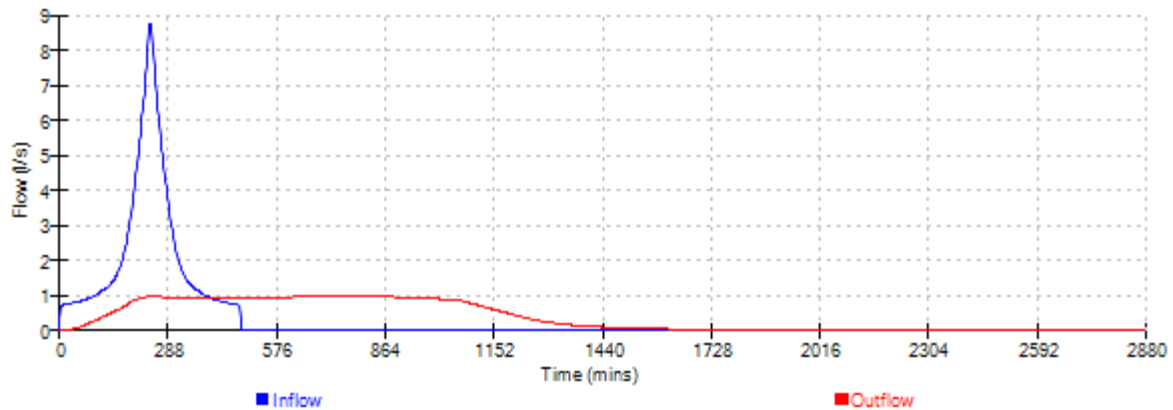
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Innovyze	Source Control 2020.1	

Event: 360 min Summer



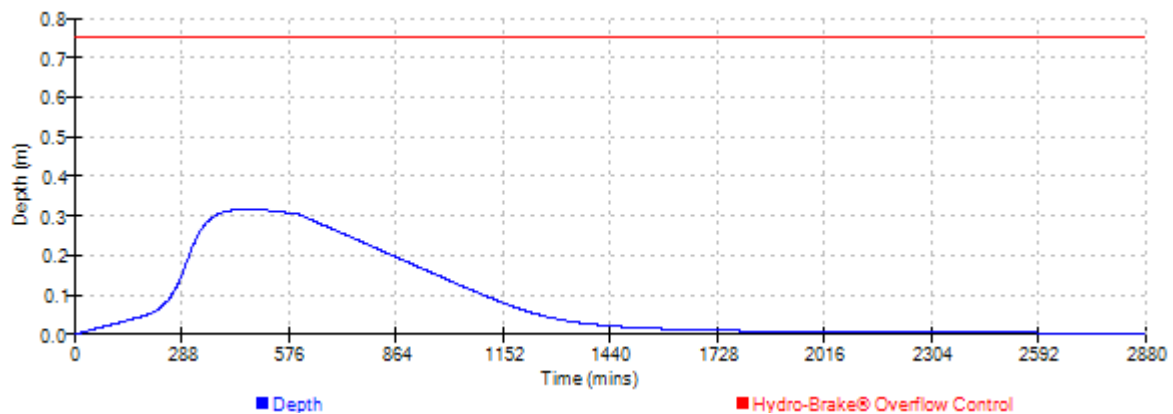
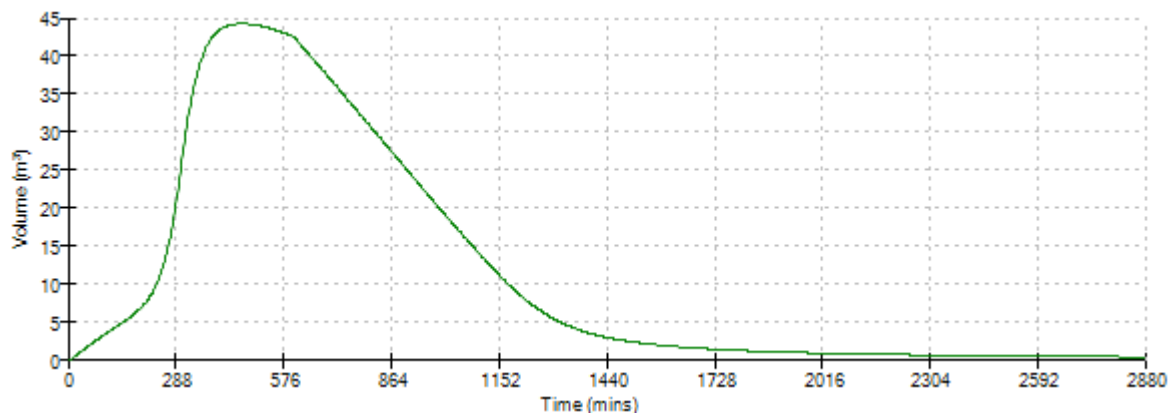
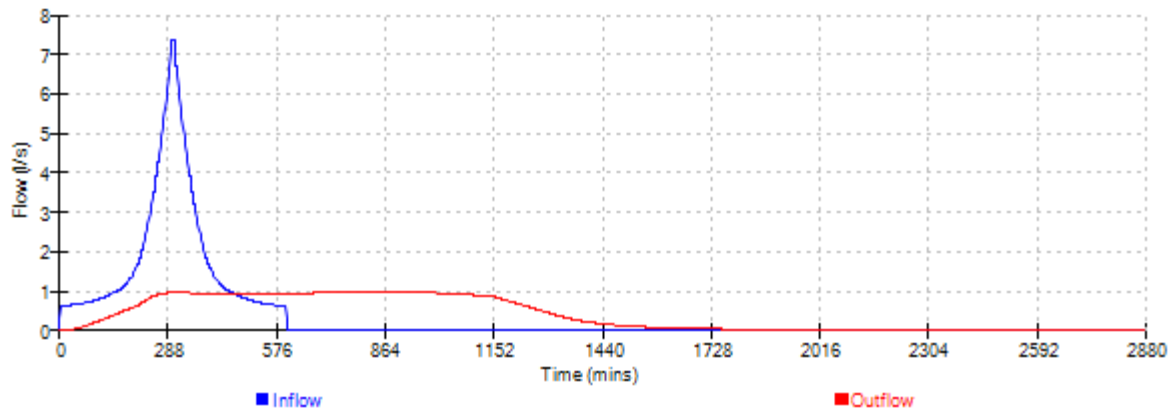
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 480 min Summer



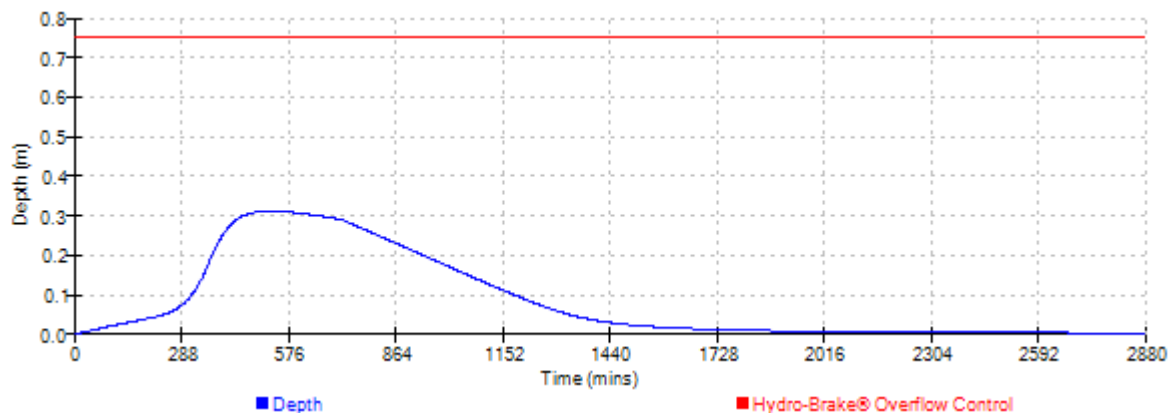
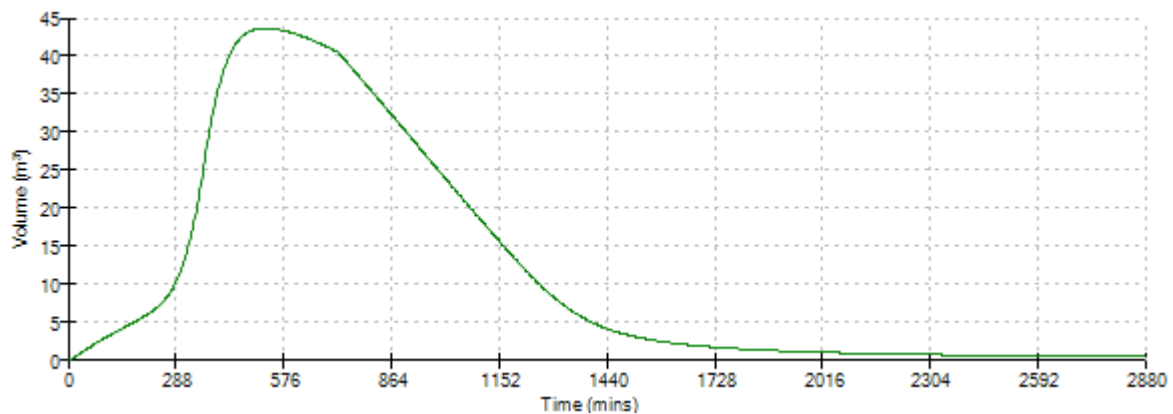
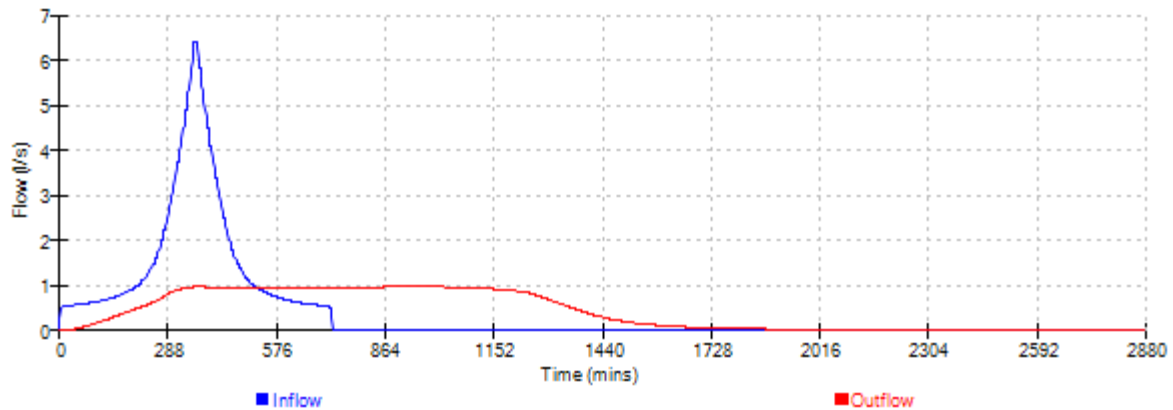
Easy Flood Risk		Page 14
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 600 min Summer



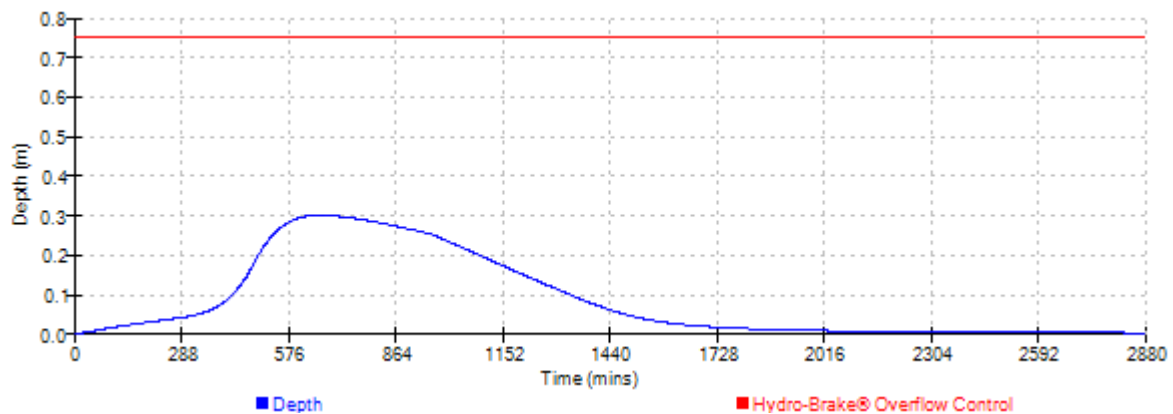
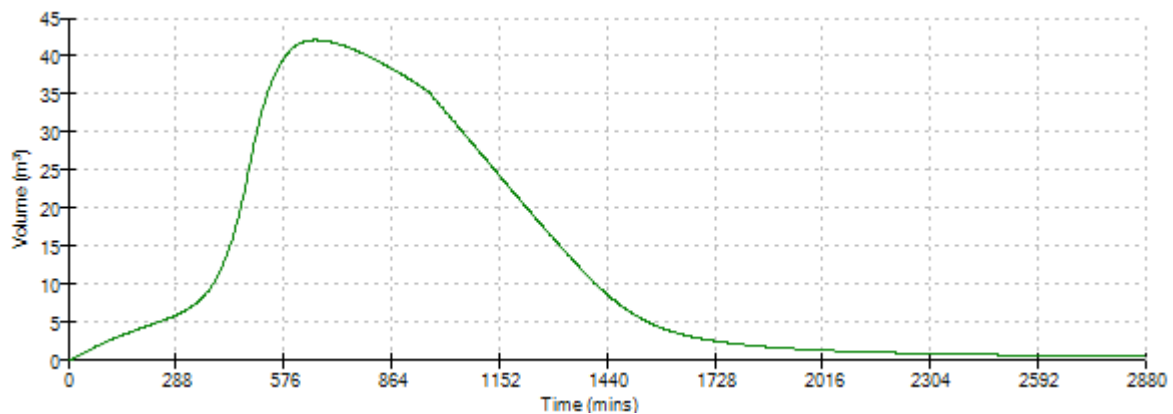
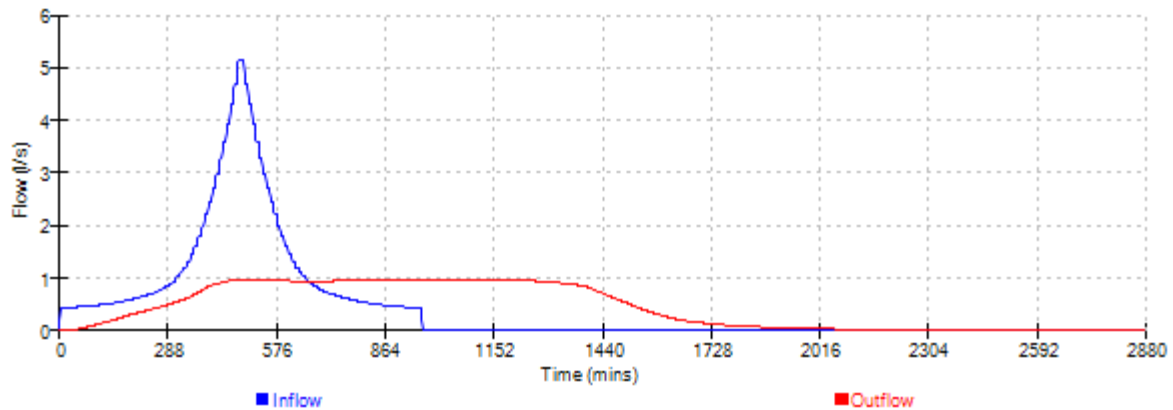
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 720 min Summer



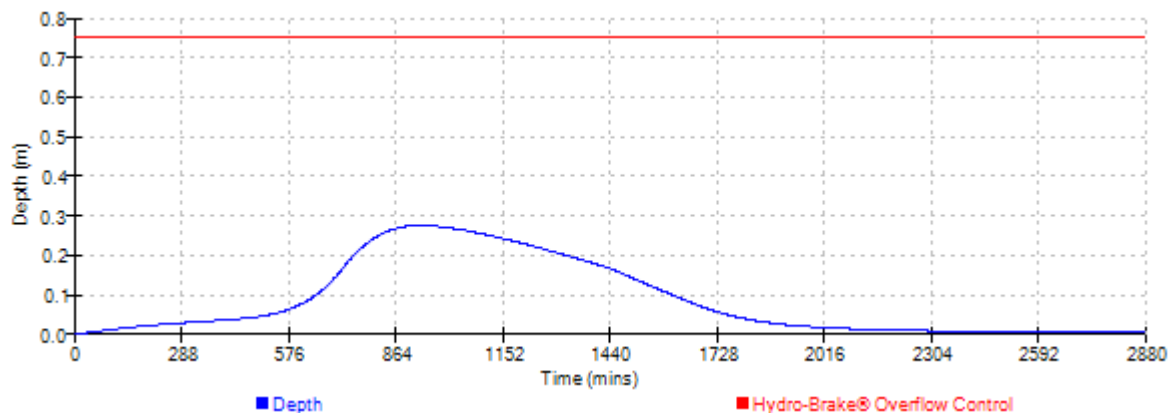
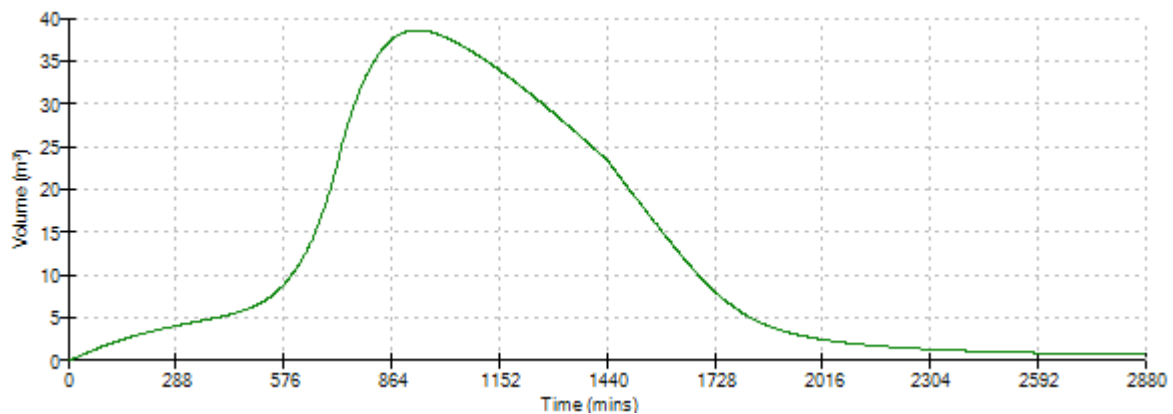
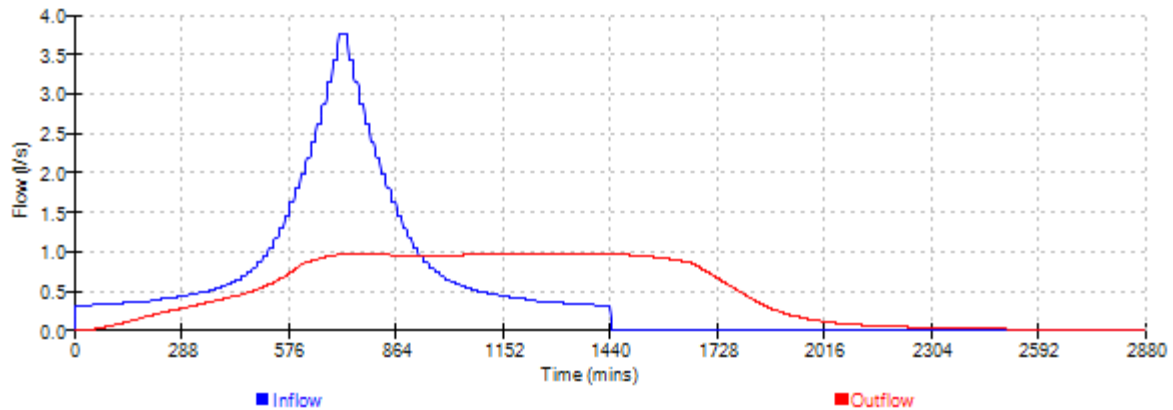
Easy Flood Risk		Page 16
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 960 min Summer



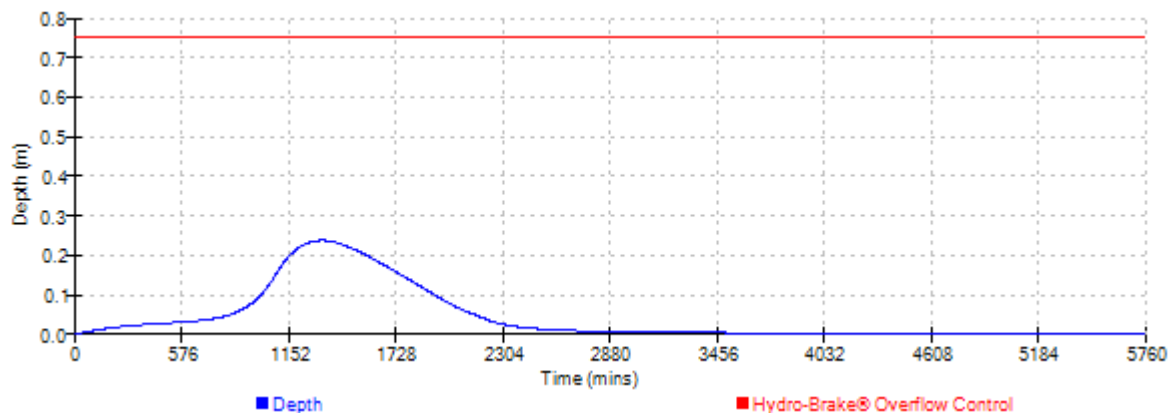
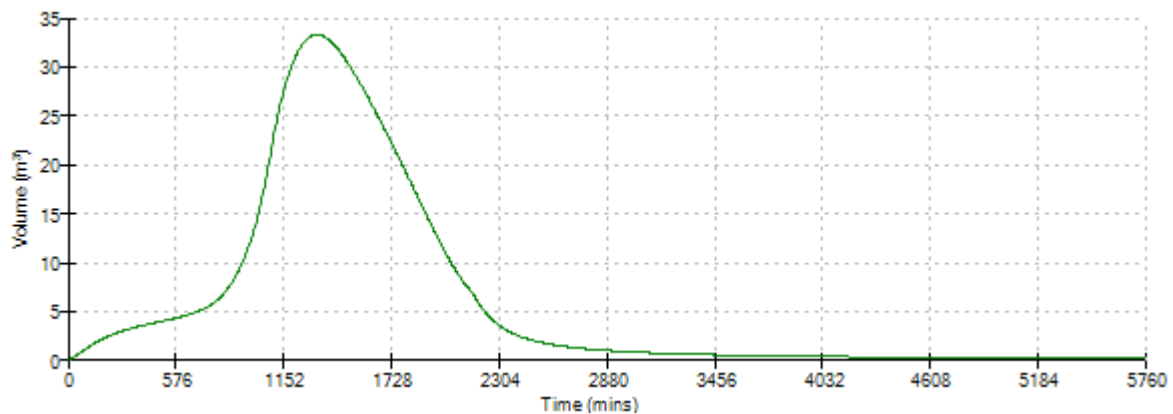
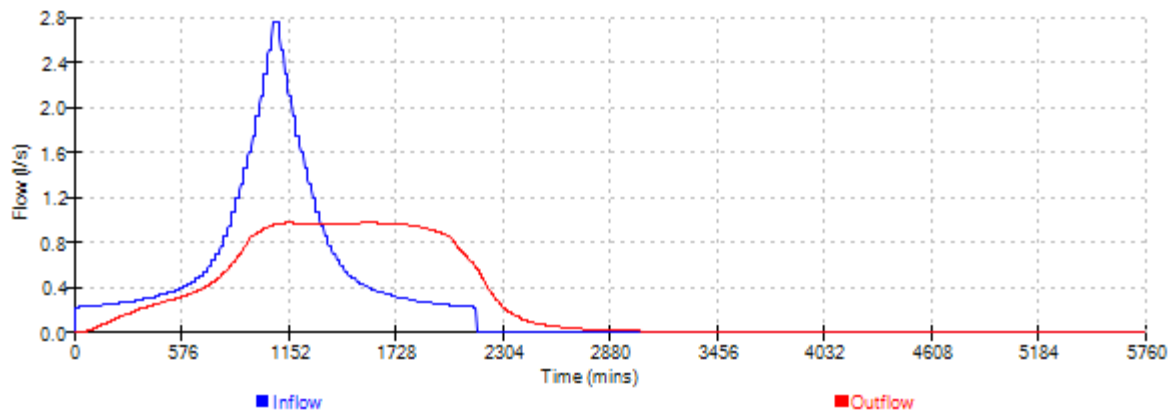
Easy Flood Risk		Page 17
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 1440 min Summer



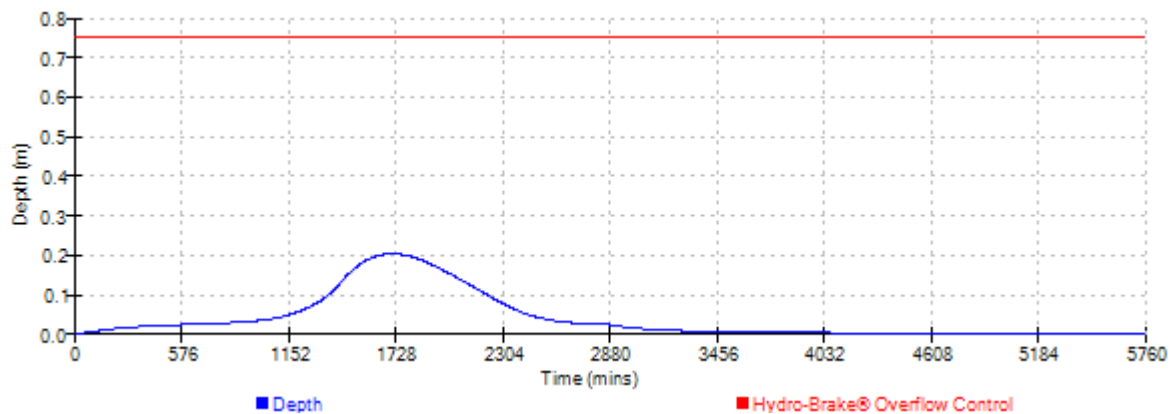
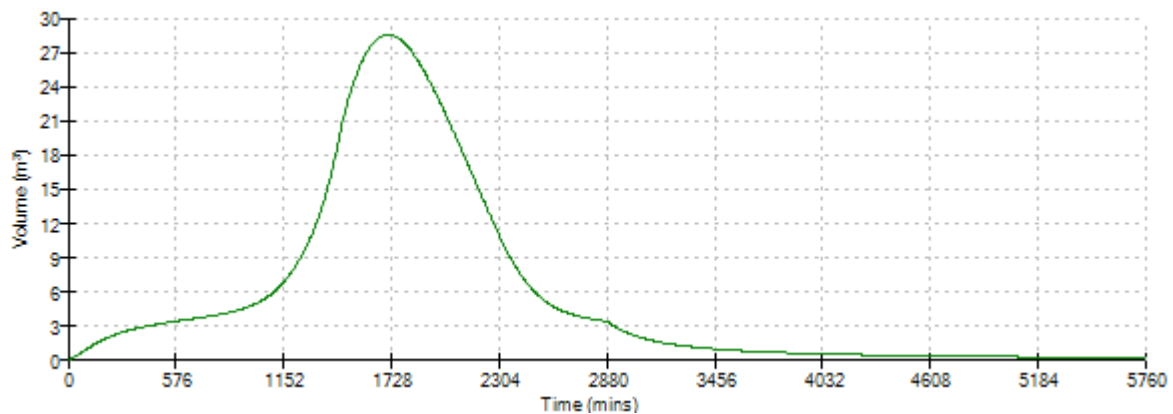
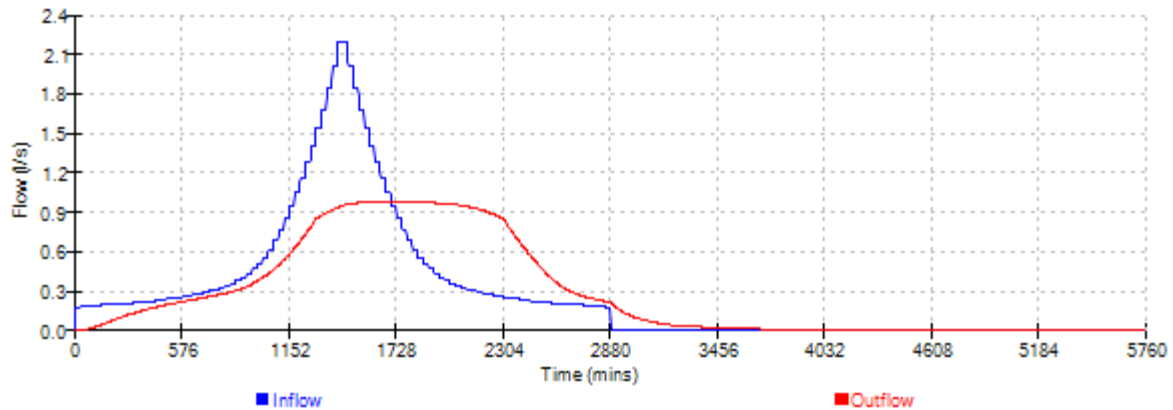
Easy Flood Risk		Page 18
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 2160 min Summer



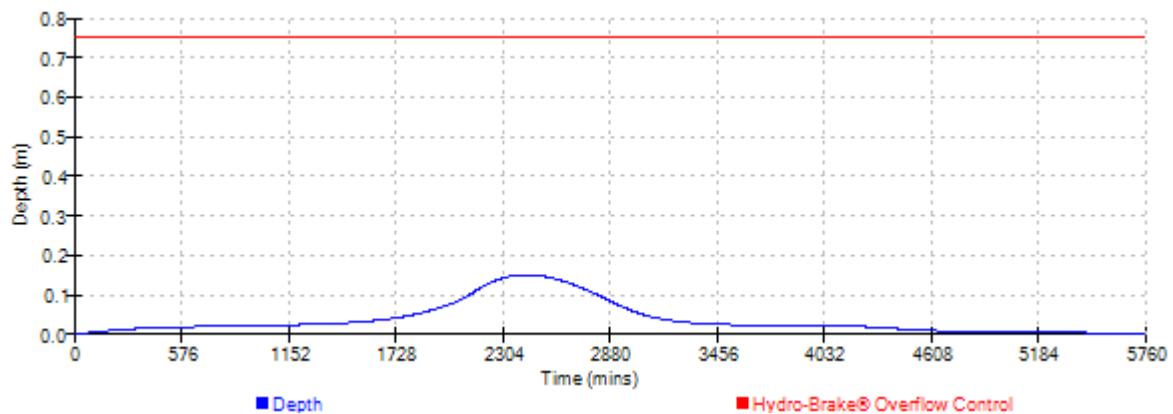
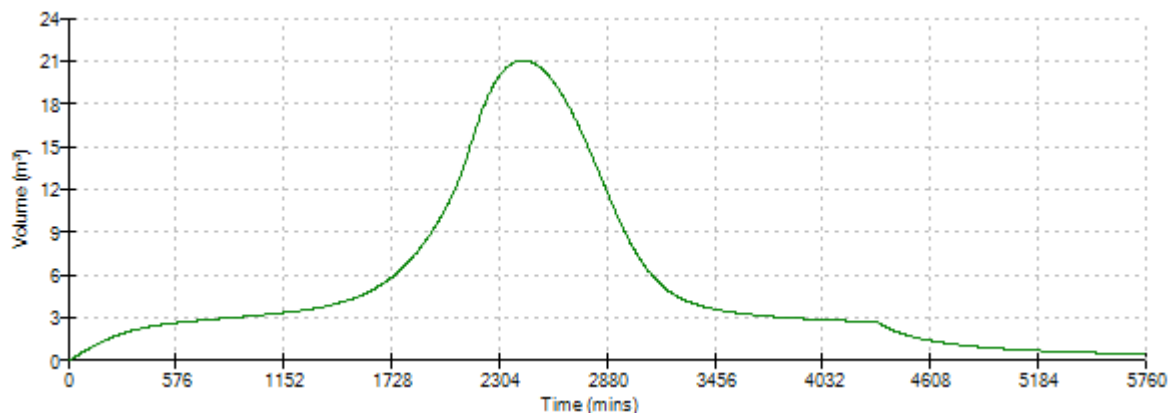
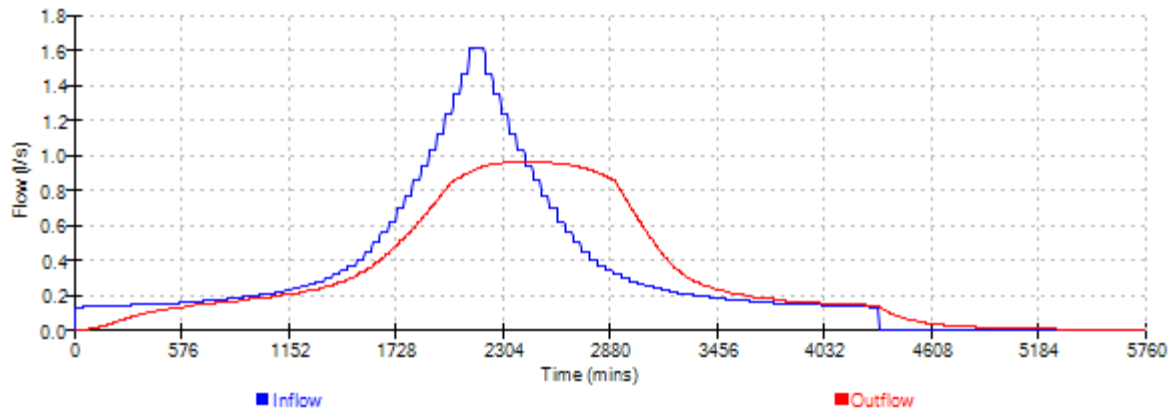
Easy Flood Risk		Page 19
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 2880 min Summer



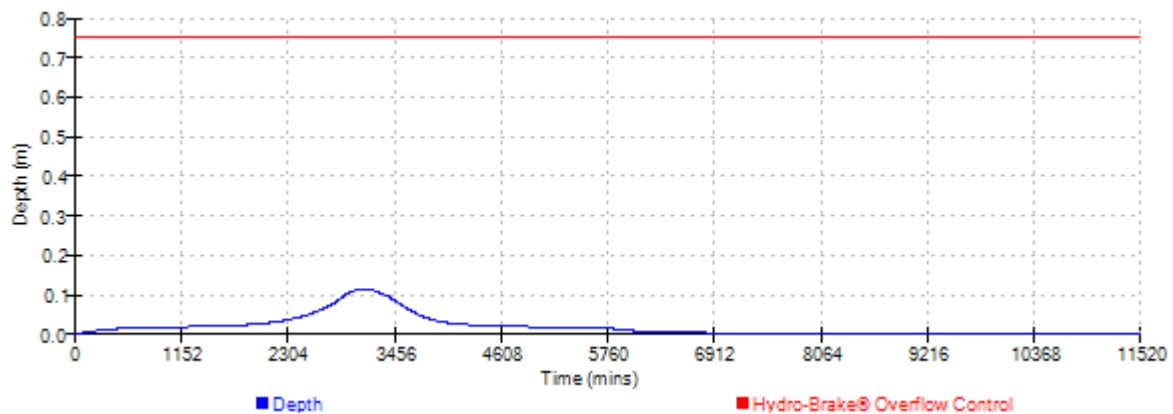
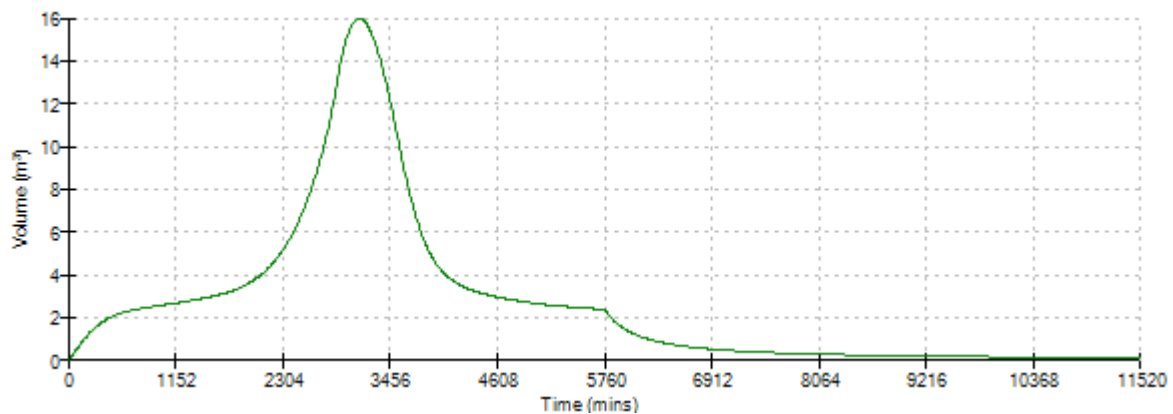
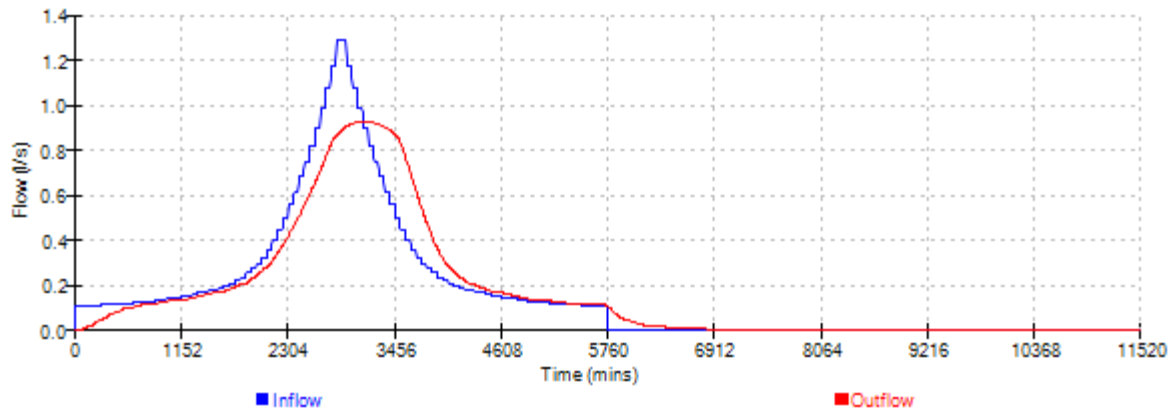
Easy Flood Risk		Page 20
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze		Source Control 2020.1

Event: 4320 min Summer



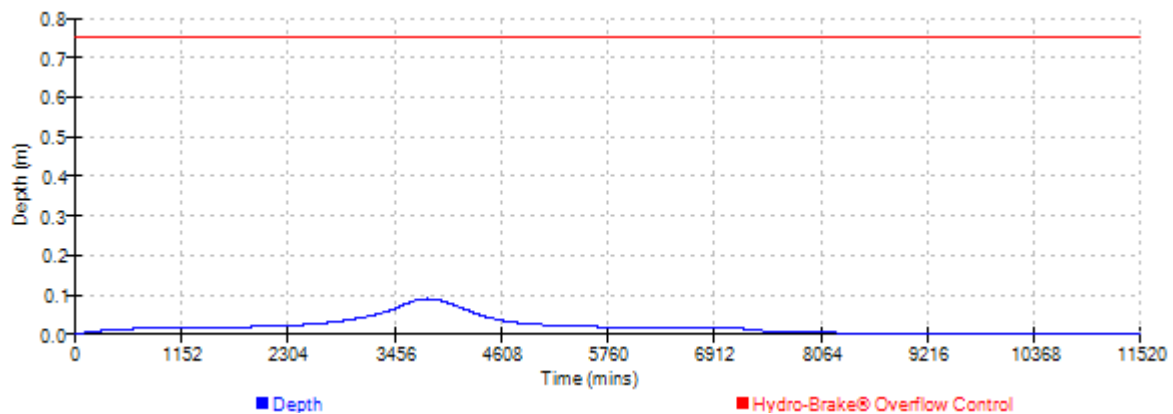
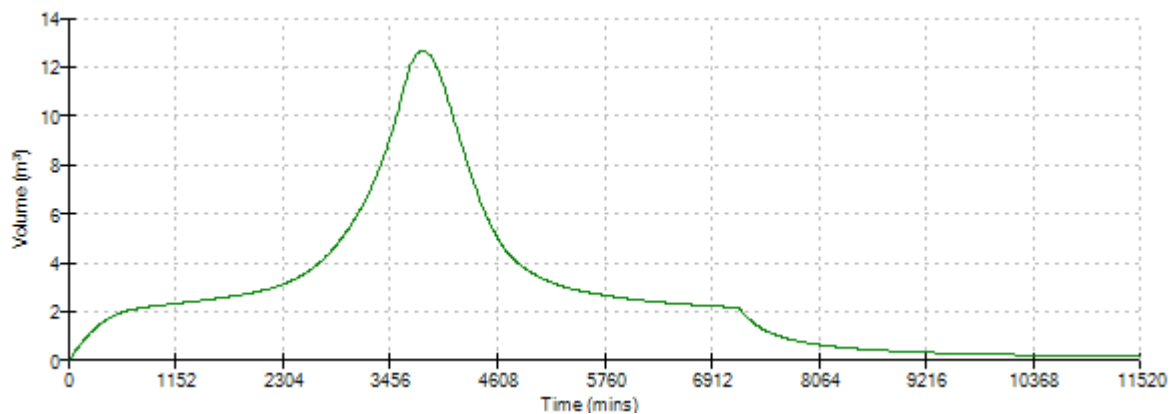
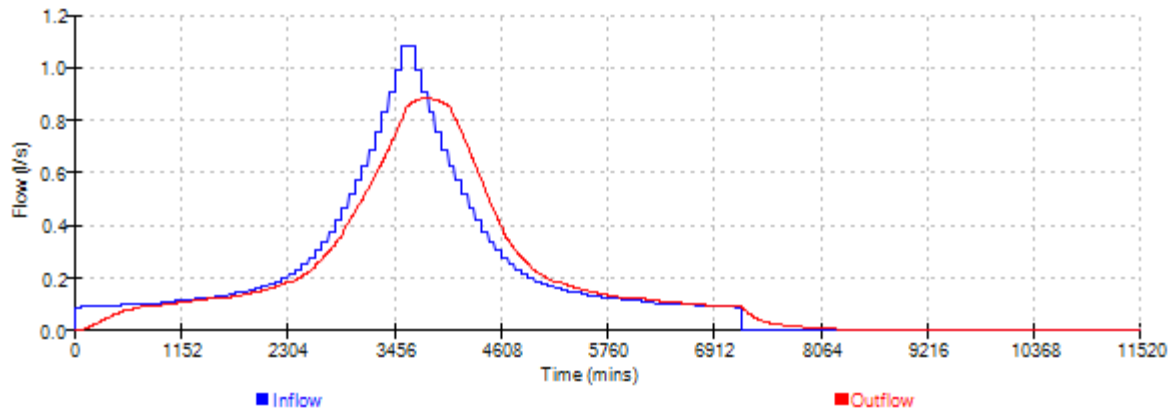
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 5760 min Summer



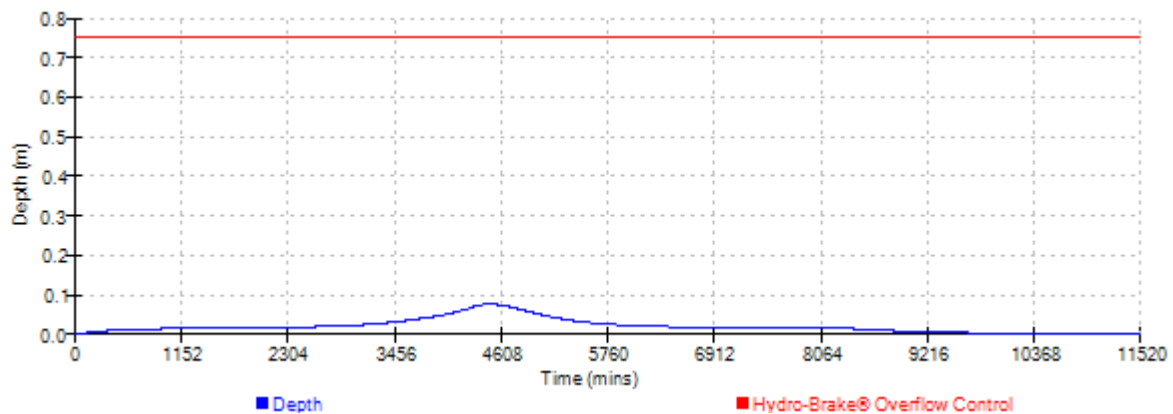
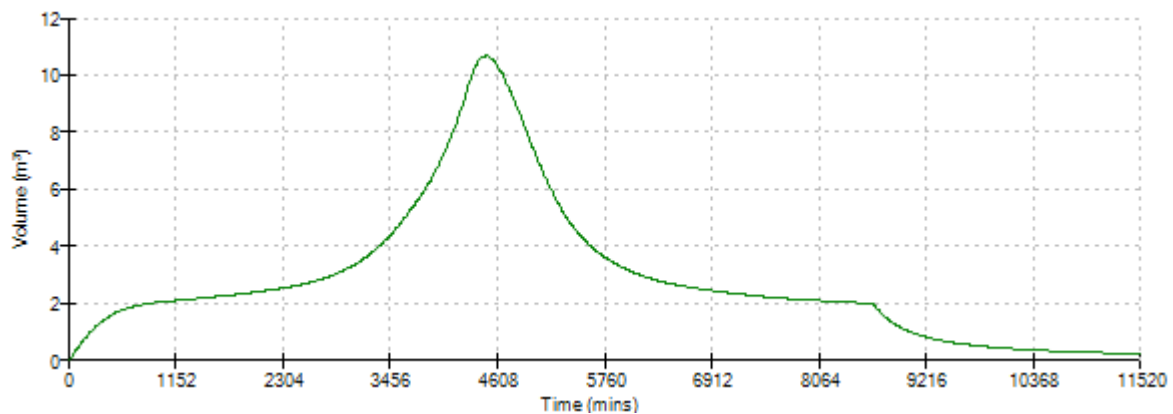
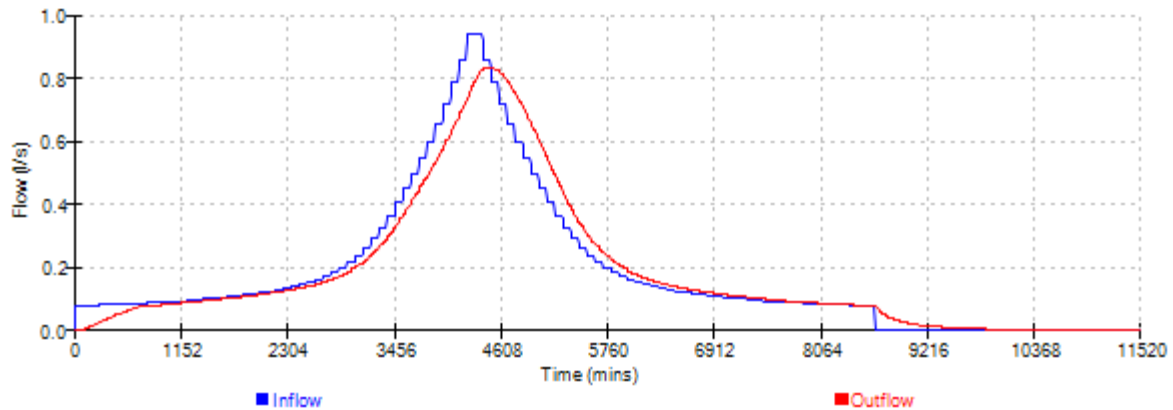
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 7200 min Summer



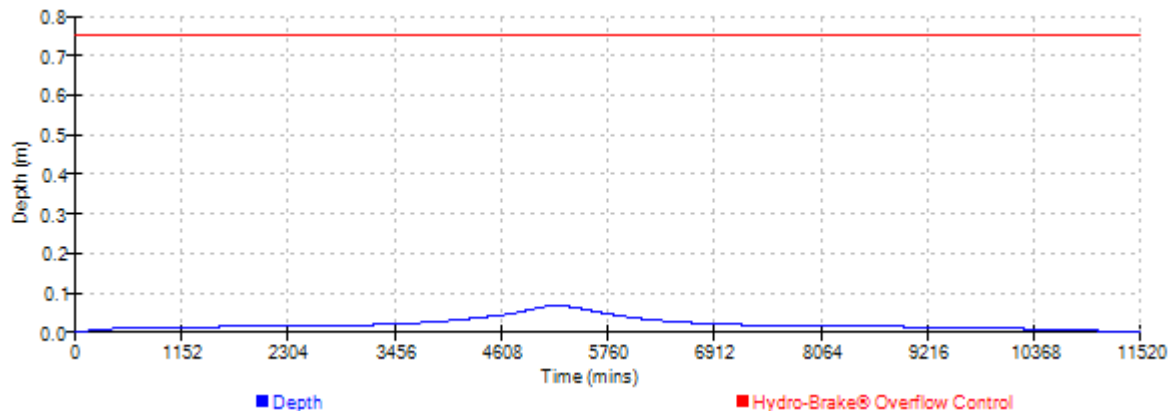
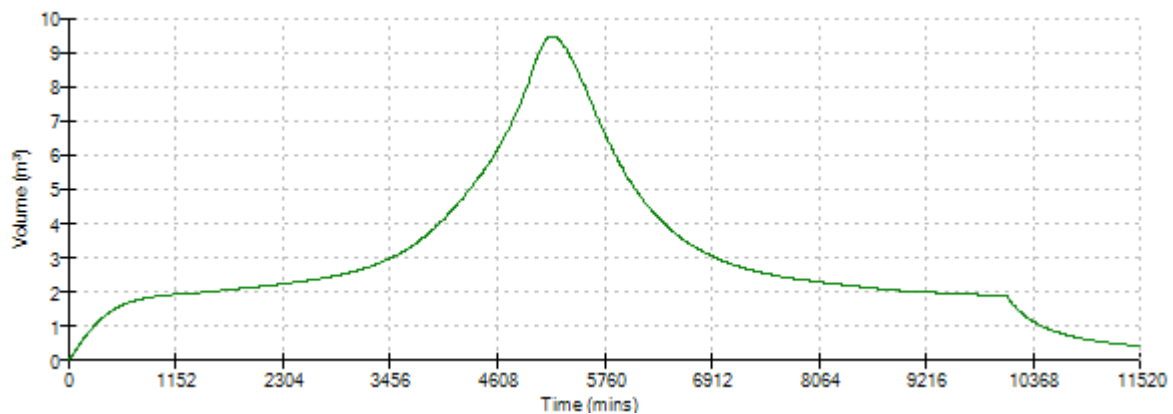
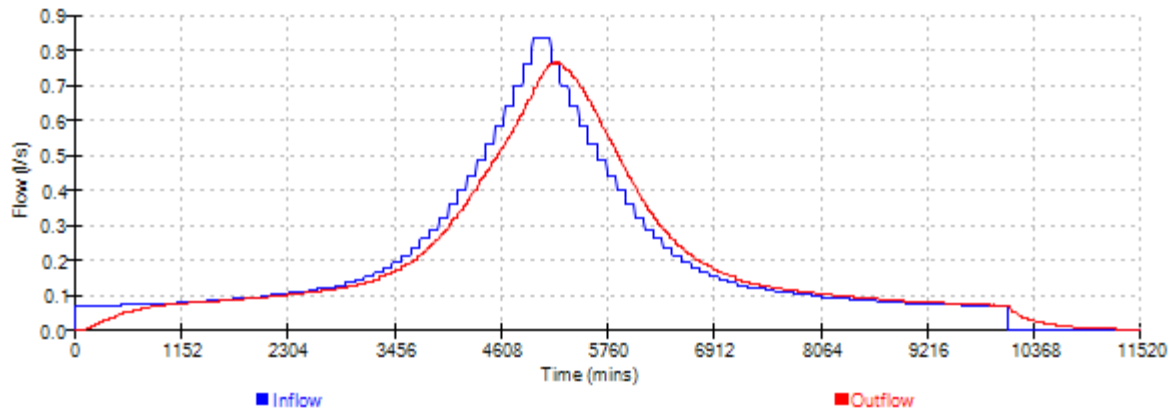
Easy Flood Risk		Page 23
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17	Designed by sheph	
File Nutts Lane.SRCX	Checked by	
Innovyze		Source Control 2020.1

Event: 8640 min Summer



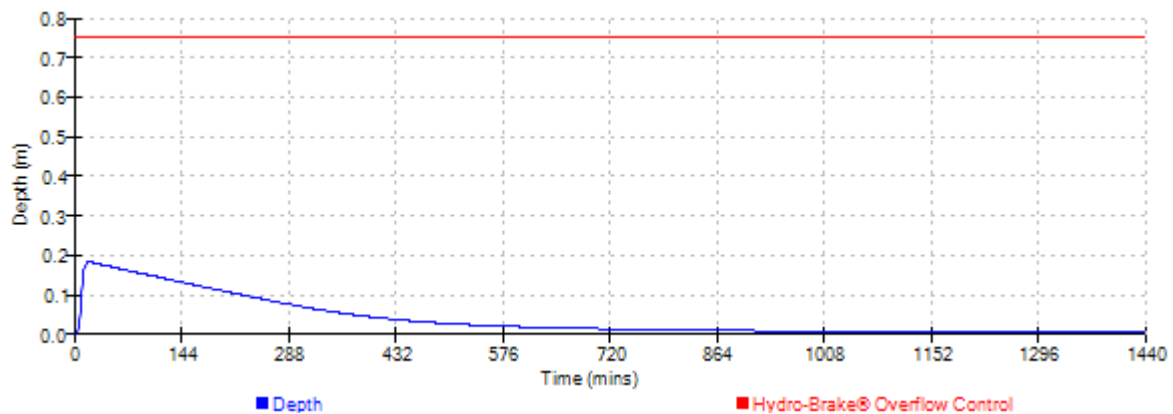
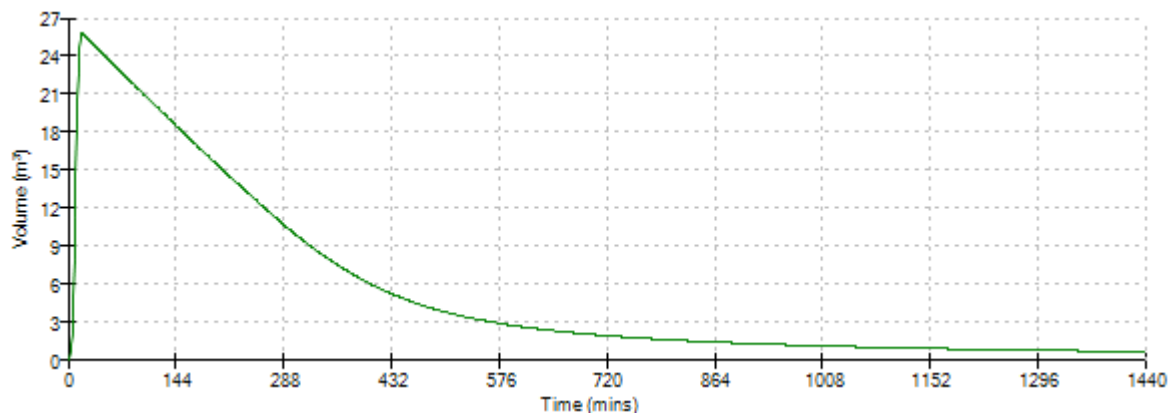
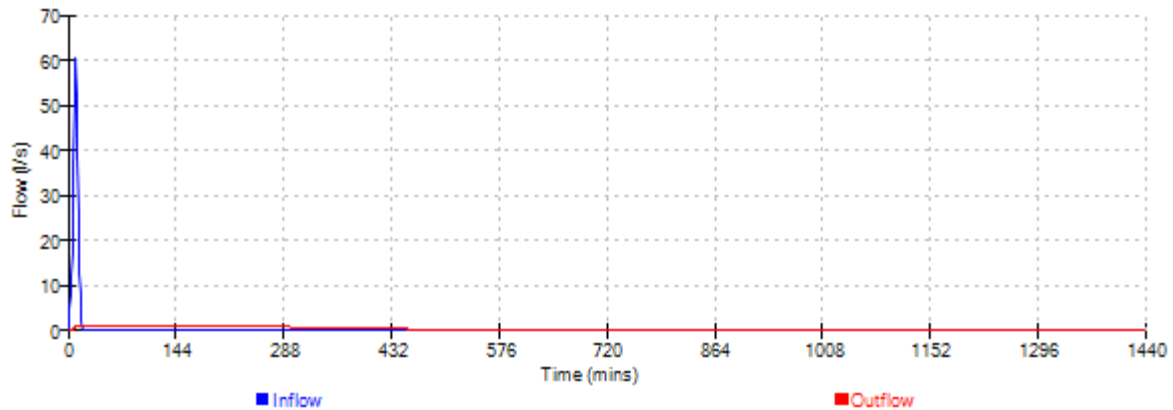
Easy Flood Risk		Page 24
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 10080 min Summer



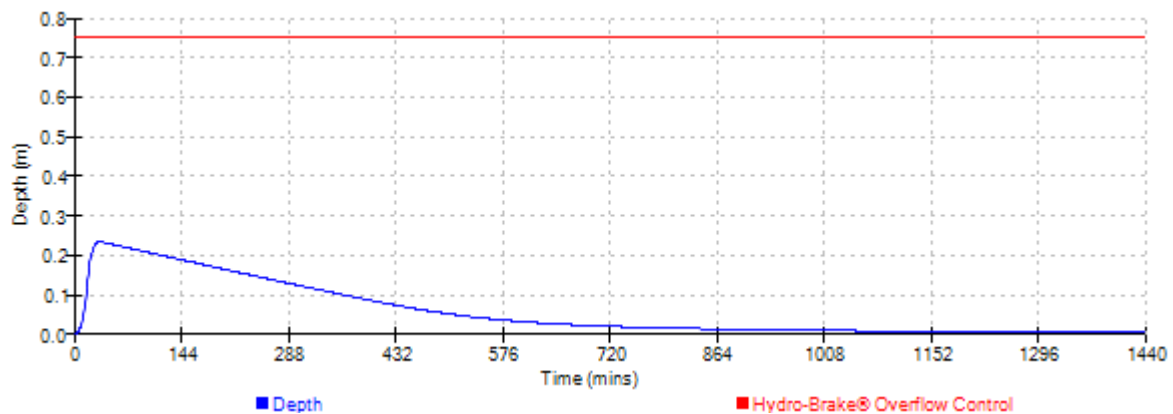
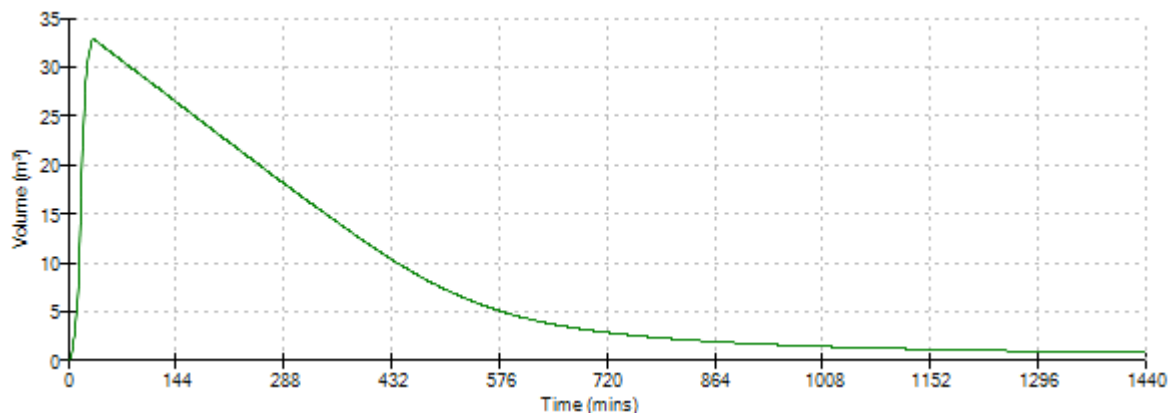
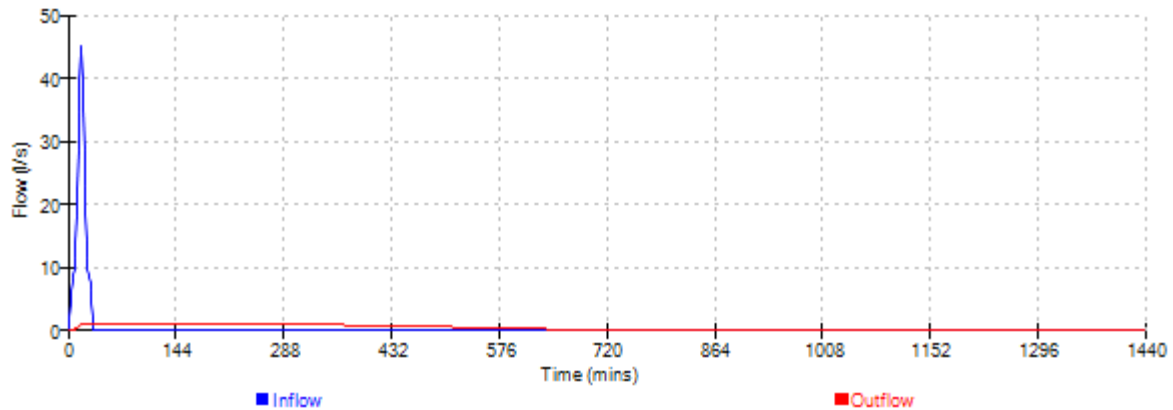
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze		Source Control 2020.1

Event: 15 min Winter



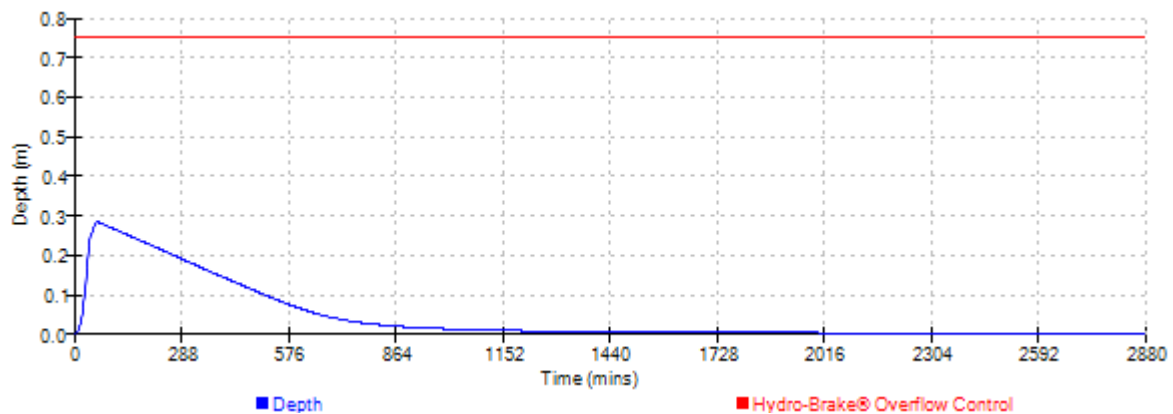
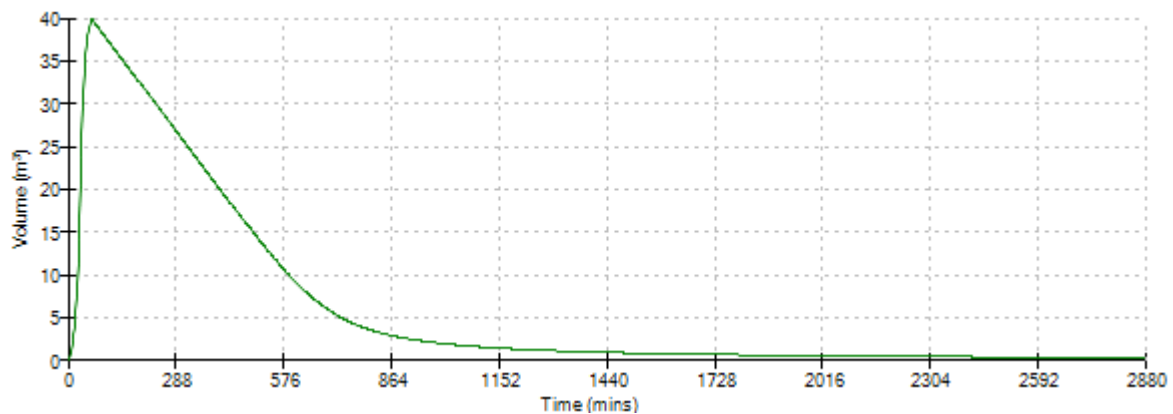
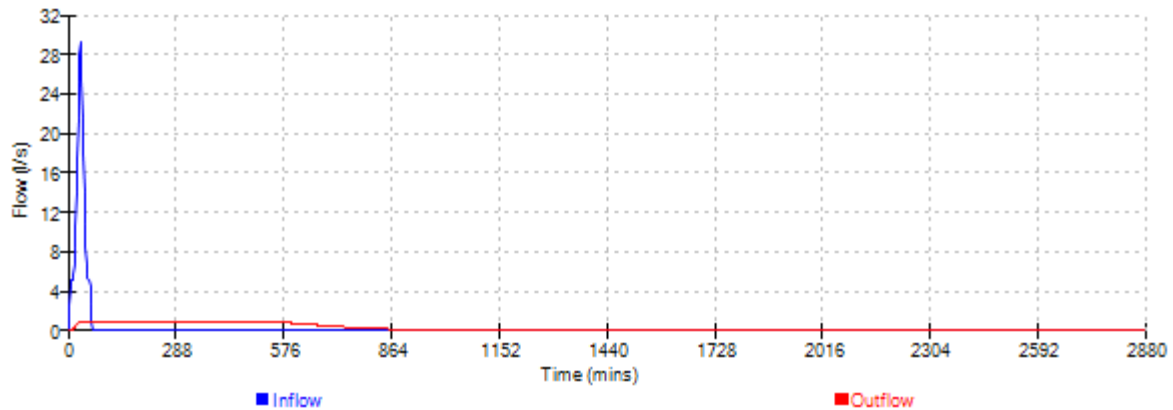
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 30 min Winter



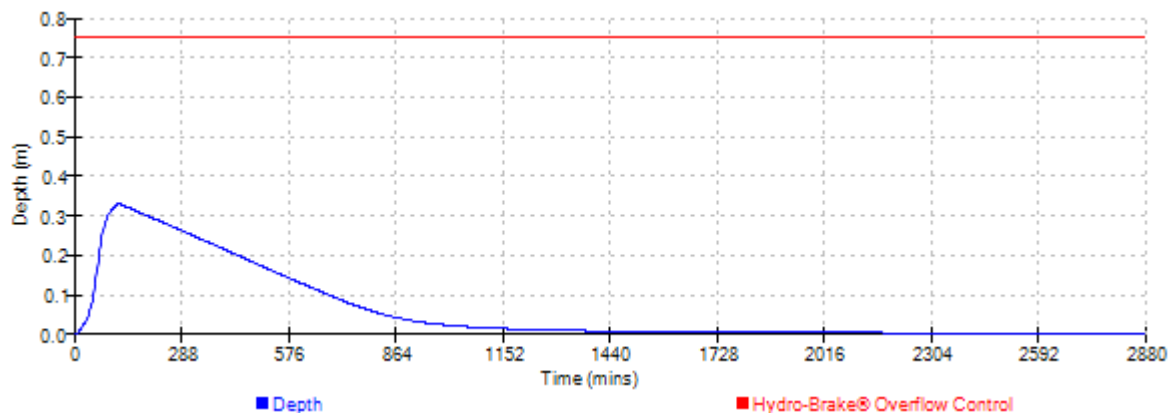
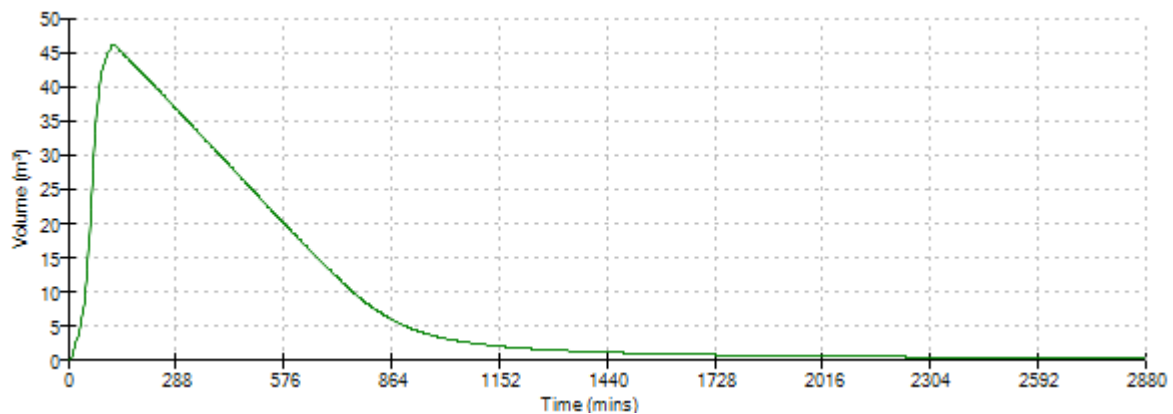
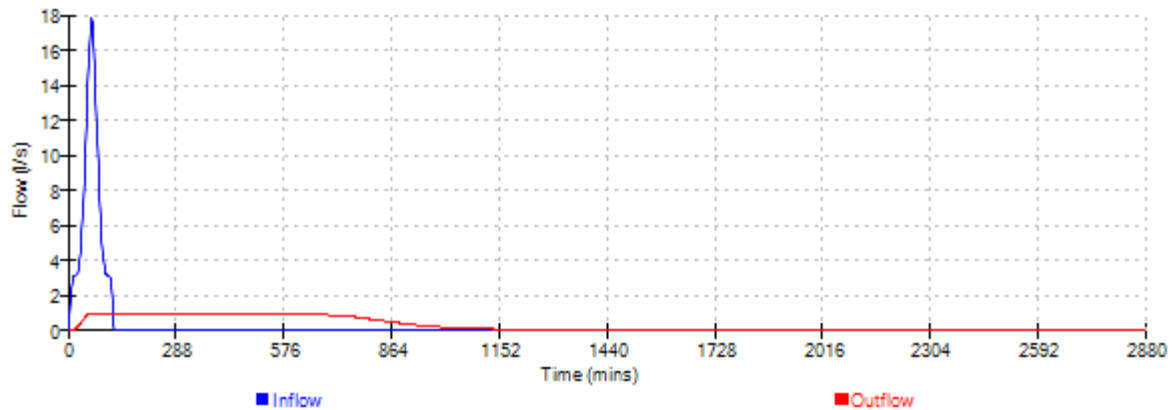
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 60 min Winter



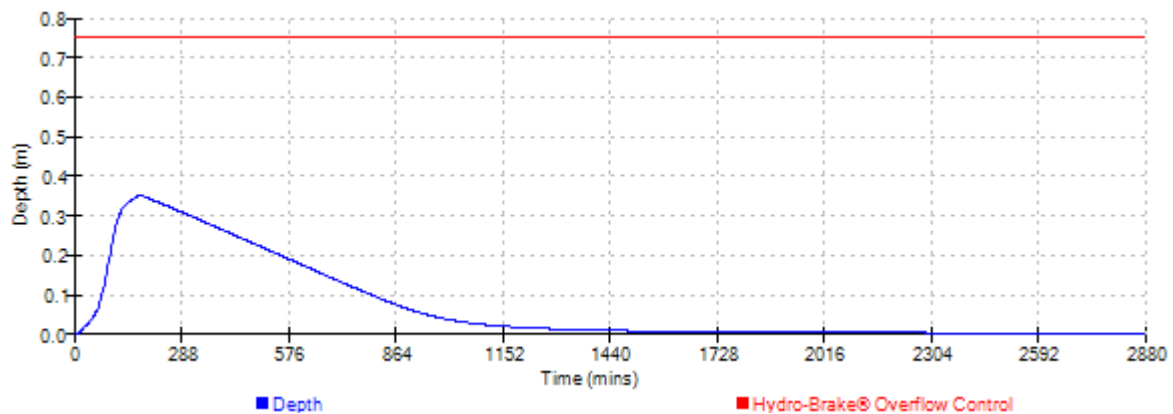
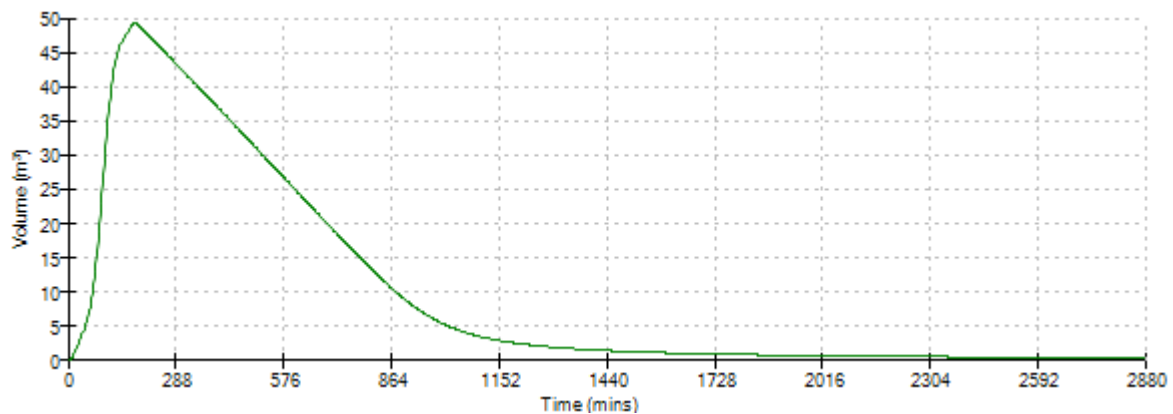
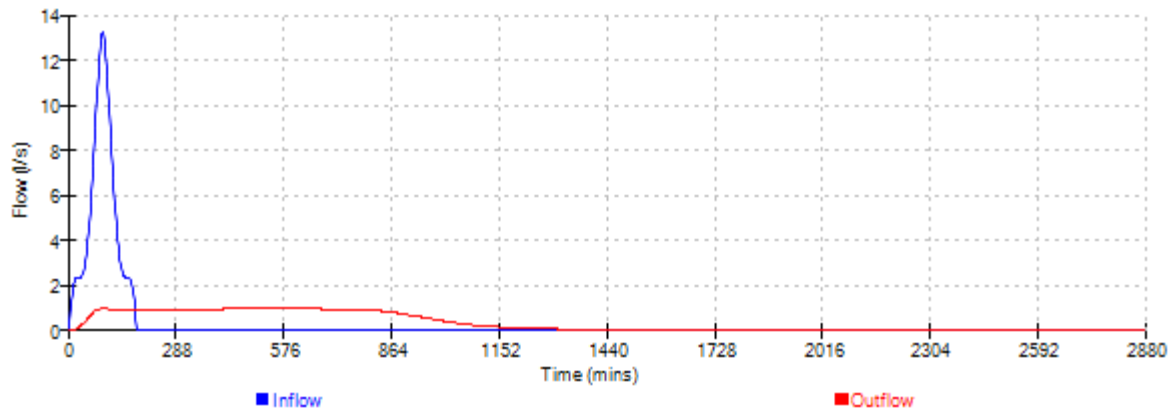
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze		Source Control 2020.1

Event: 120 min Winter



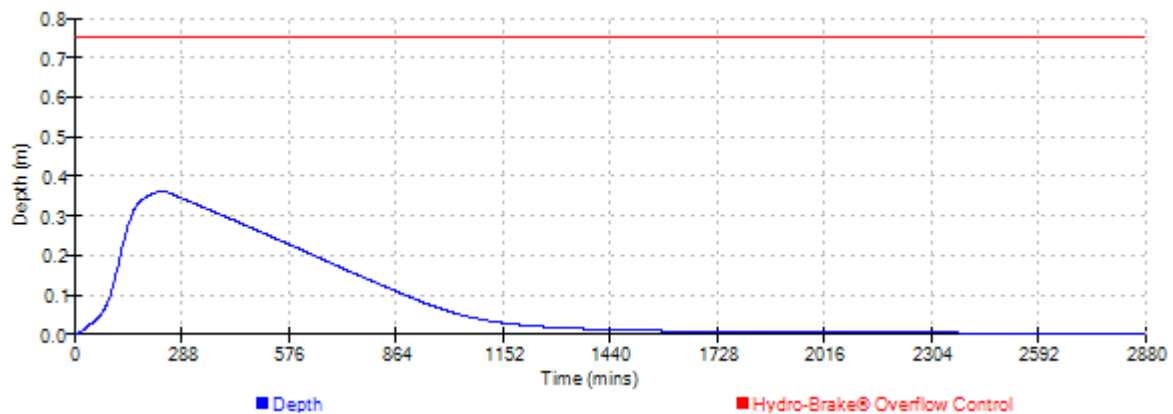
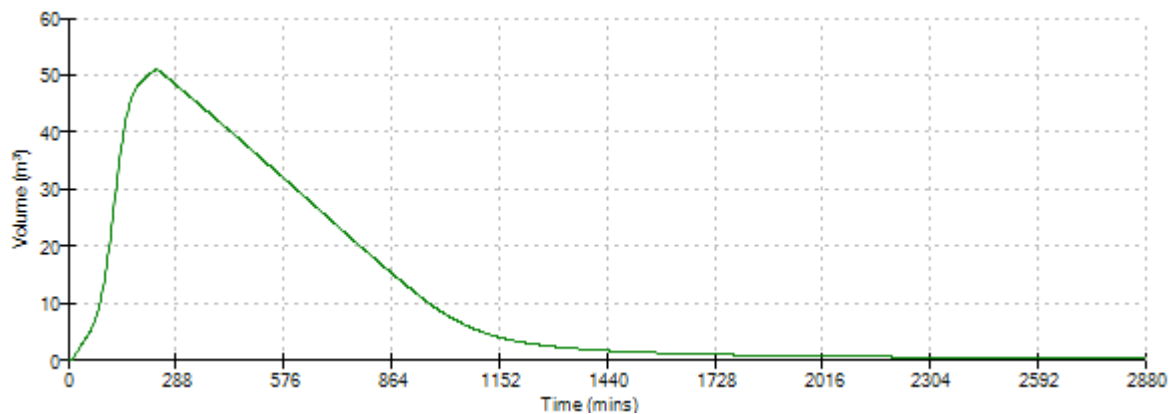
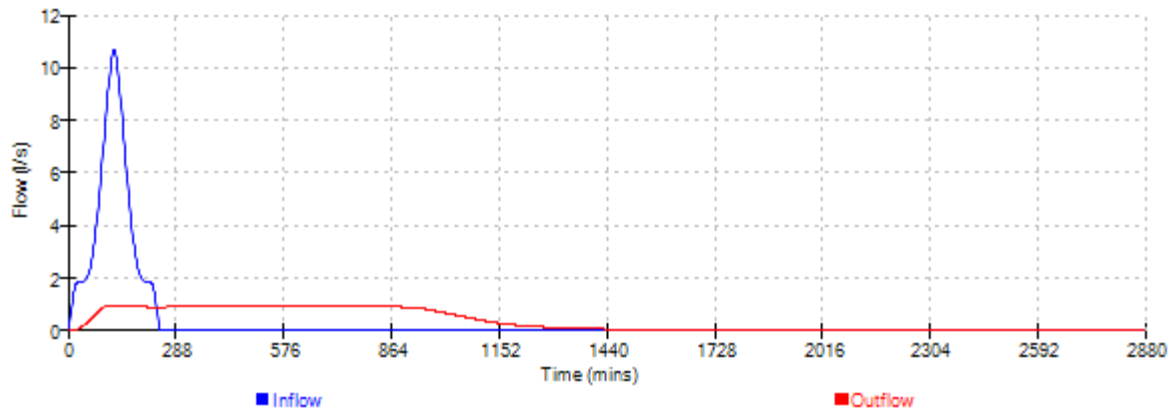
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 180 min Winter



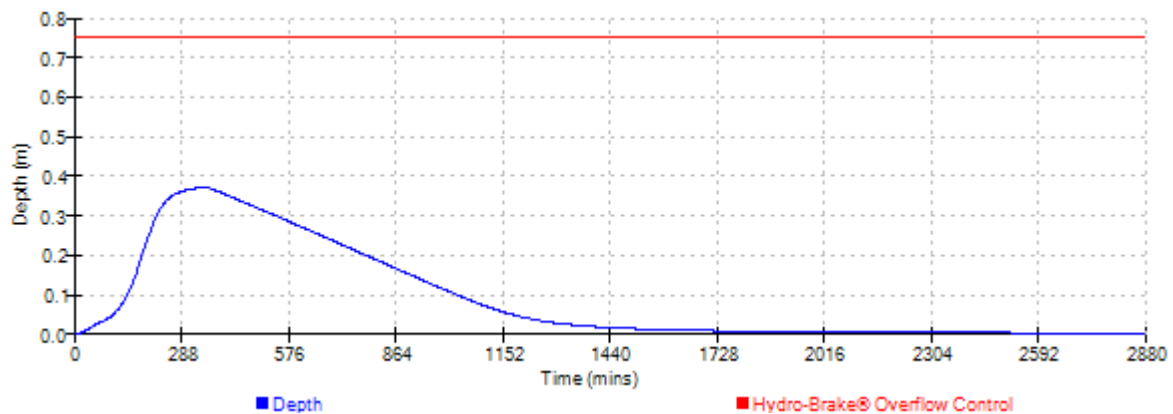
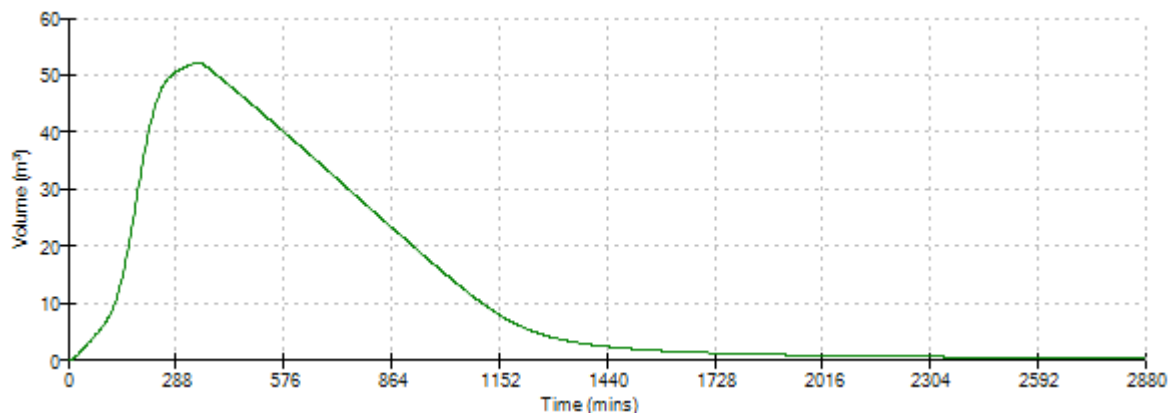
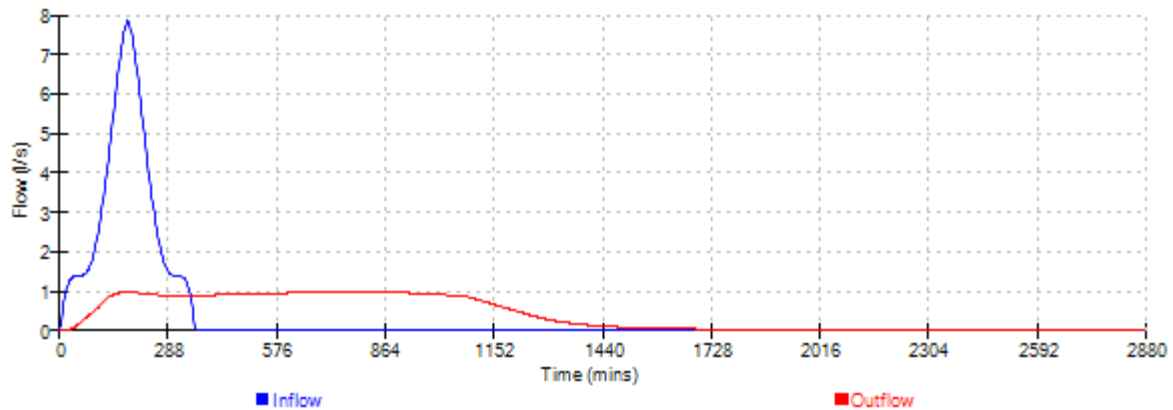
Easy Flood Risk		Page 30
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 240 min Winter



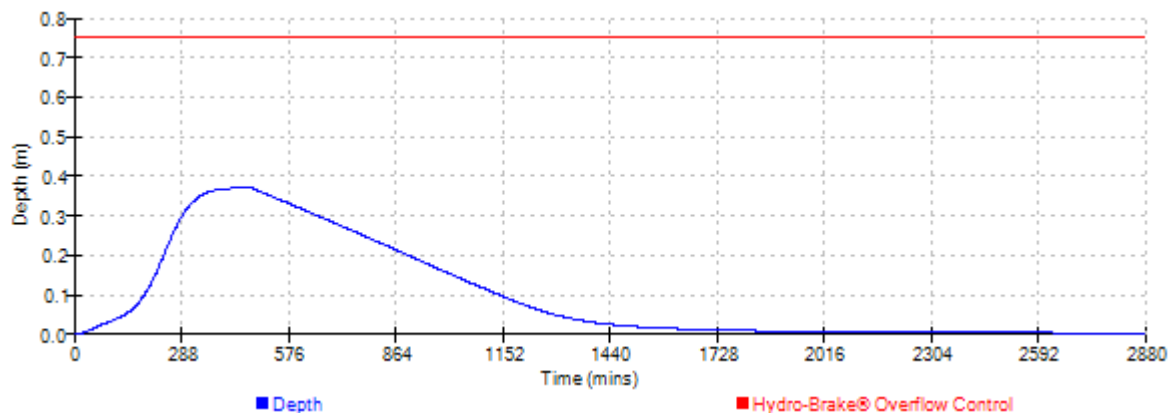
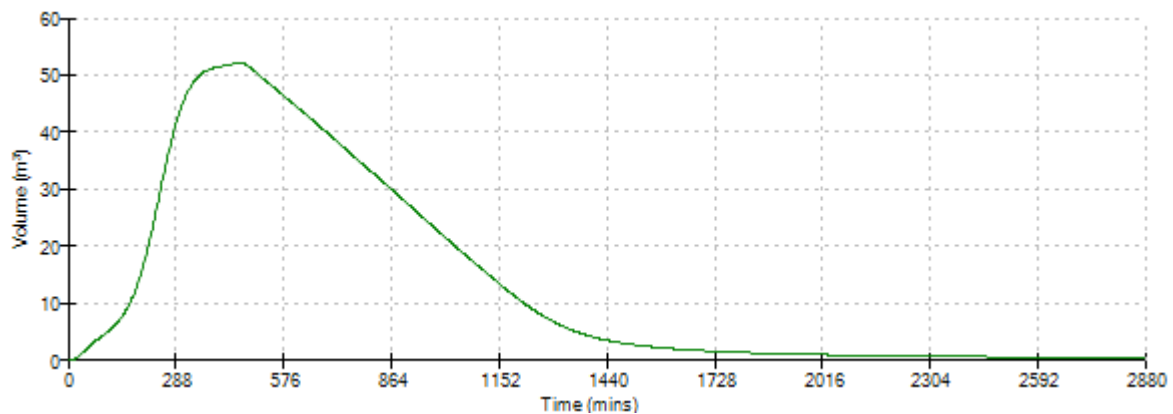
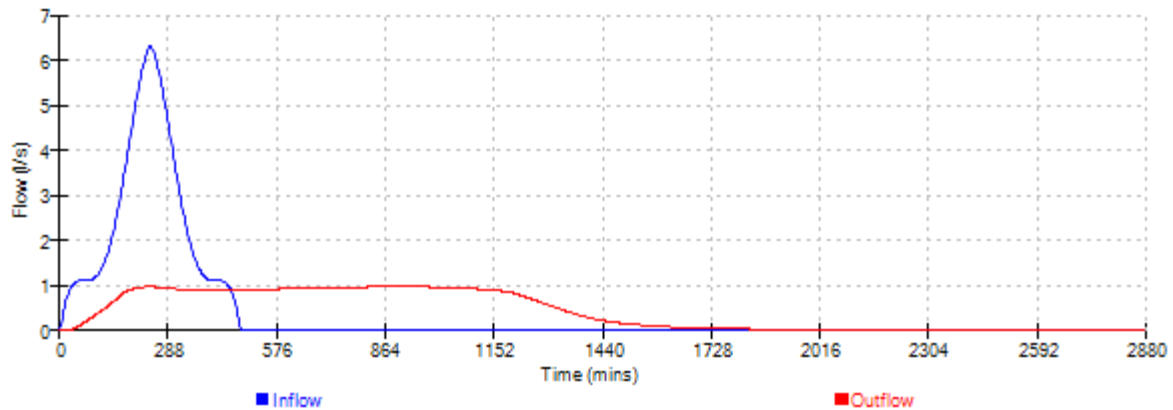
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 360 min Winter



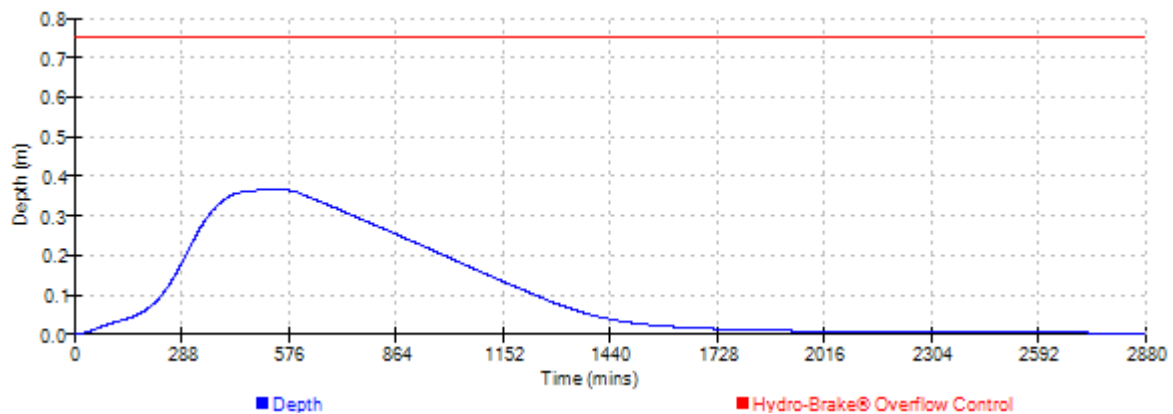
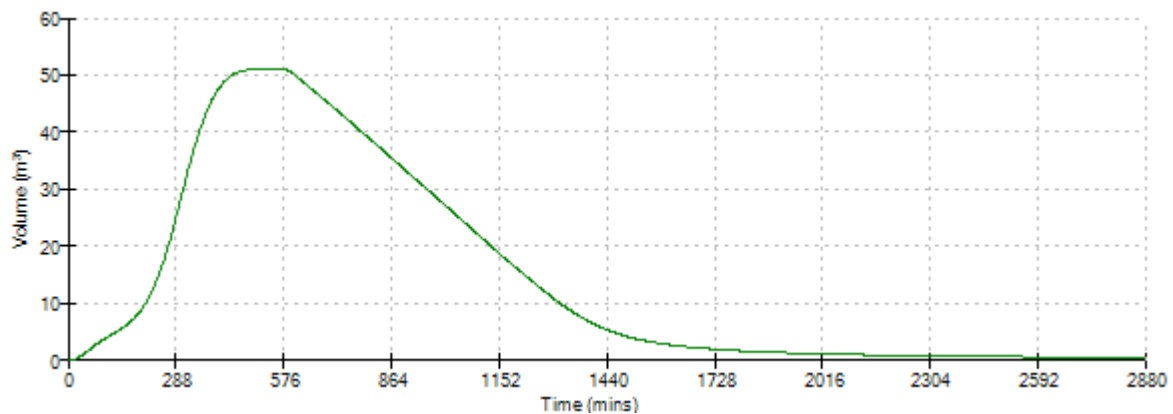
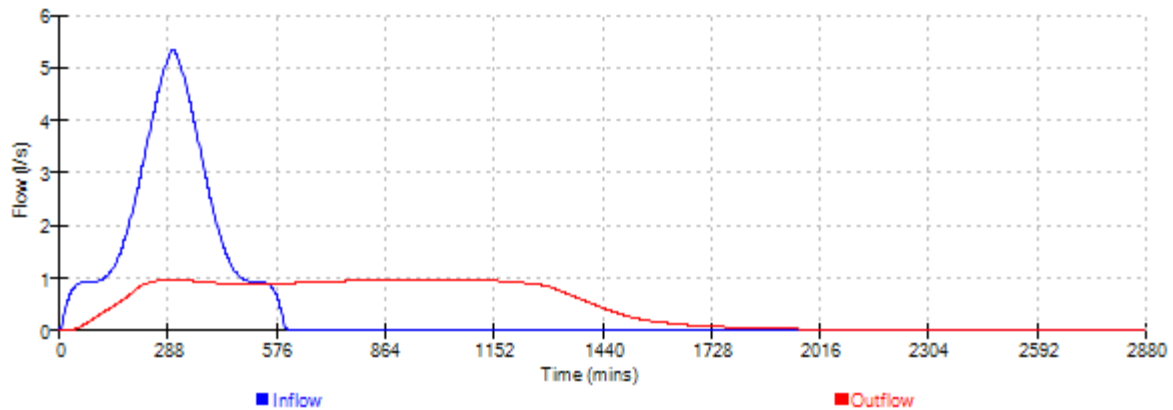
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 480 min Winter



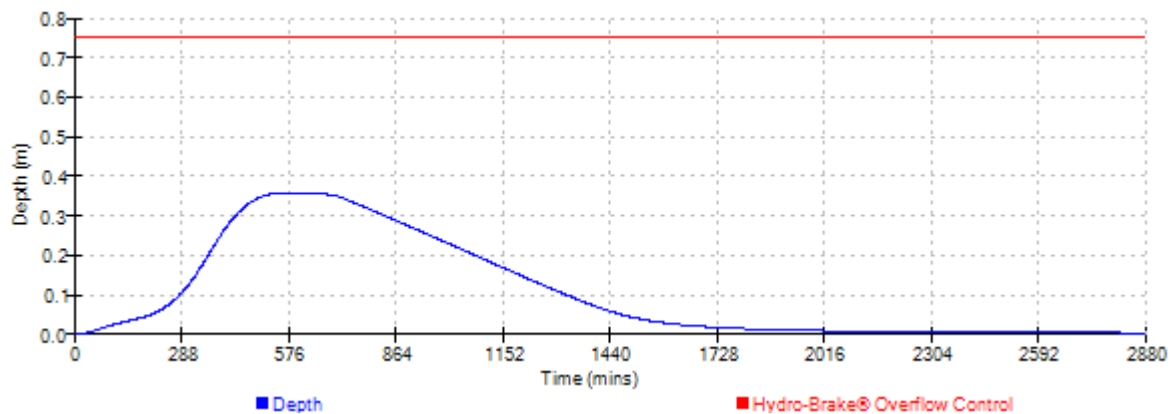
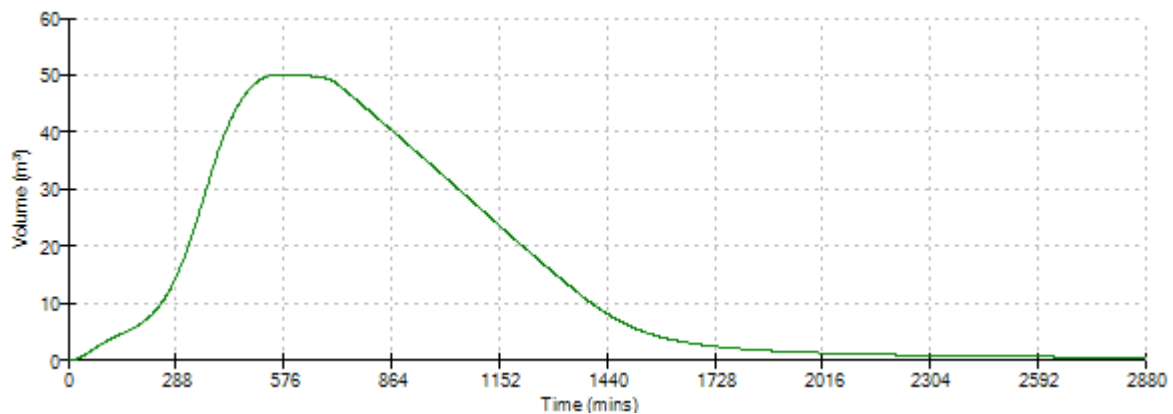
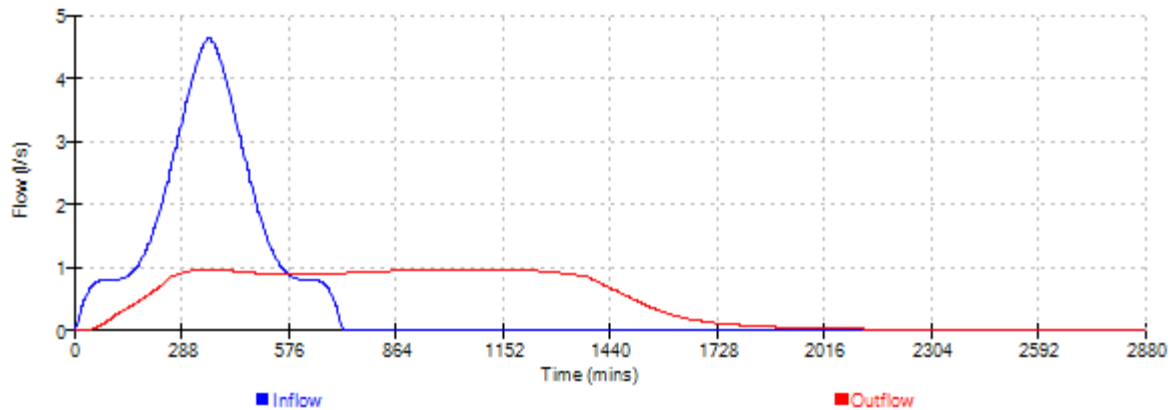
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55 Shepherds Lane Dartford DA1 2NL		
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Innovyze	Source Control 2020.1	

Event: 600 min Winter



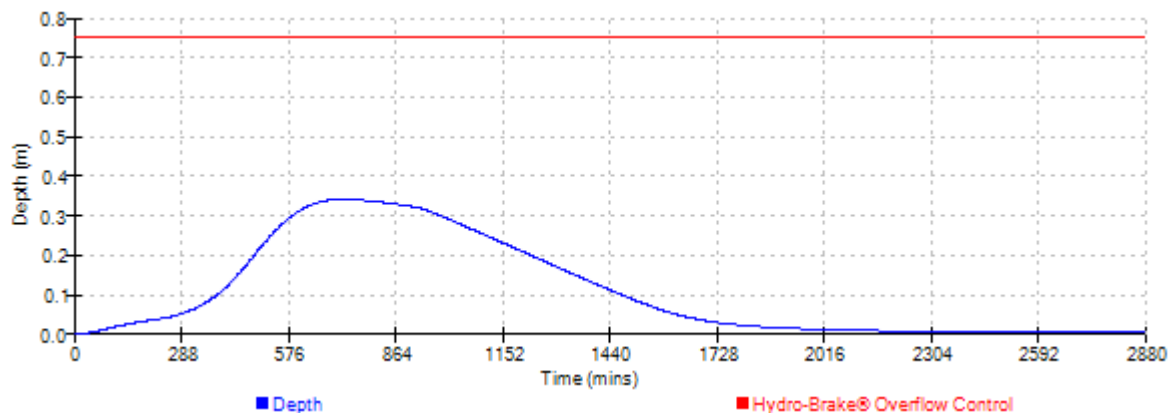
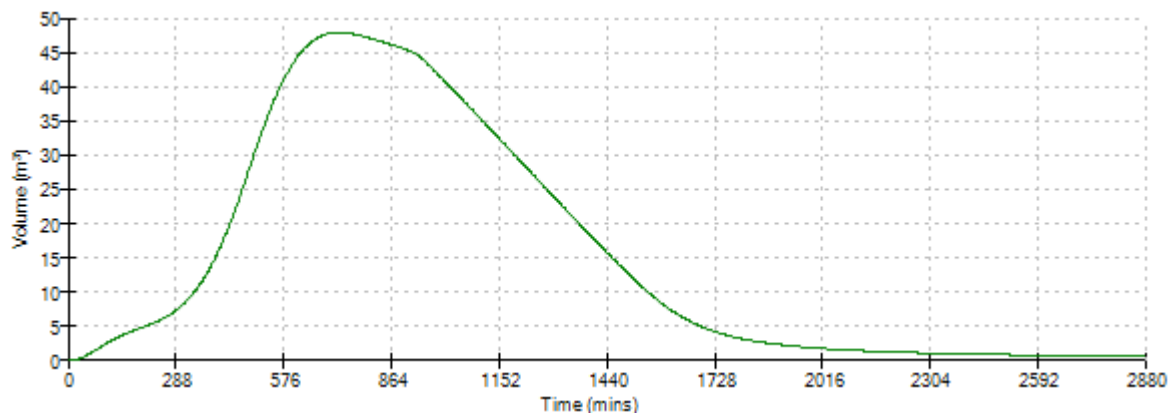
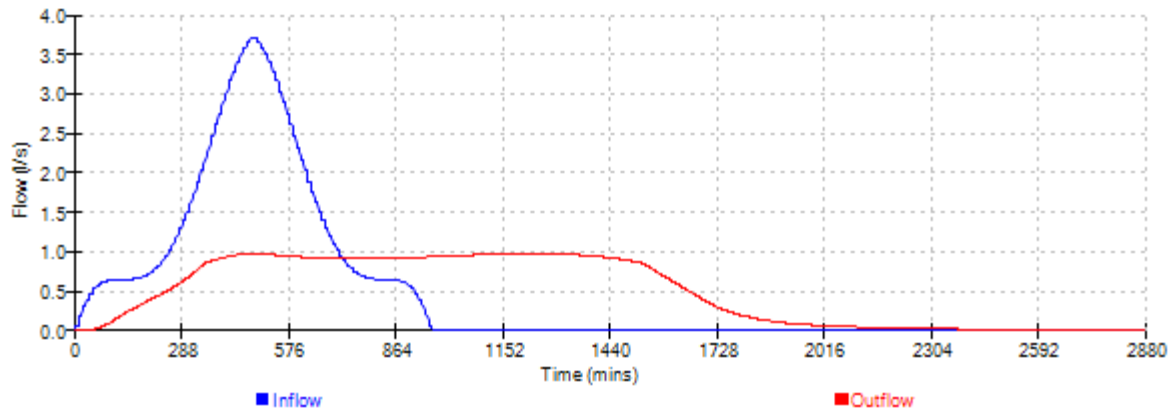
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 720 min Winter



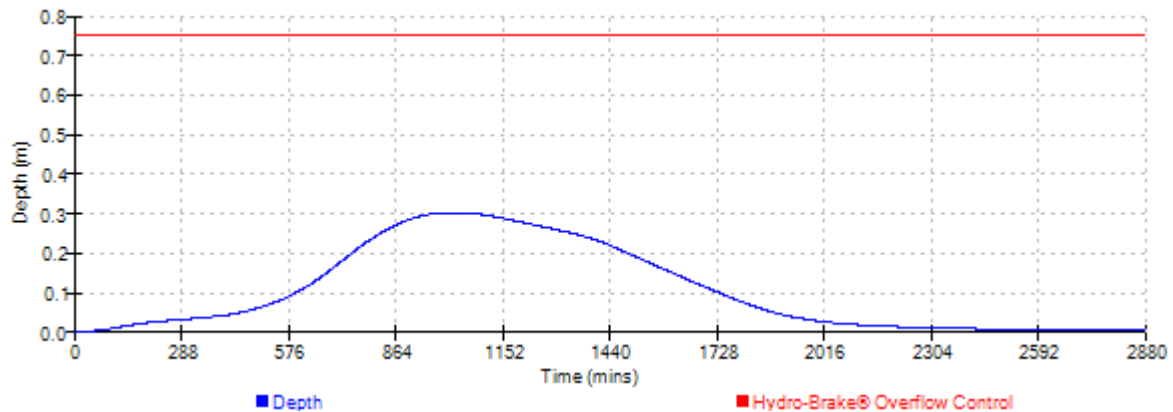
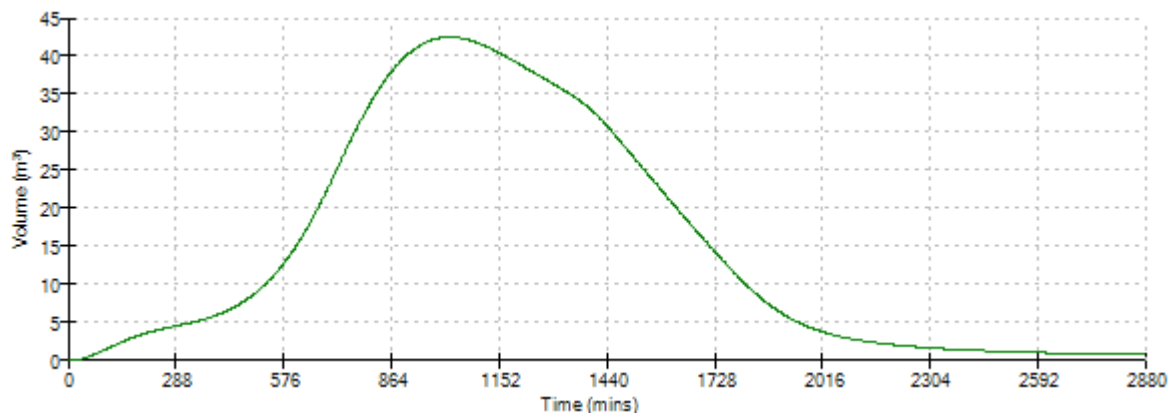
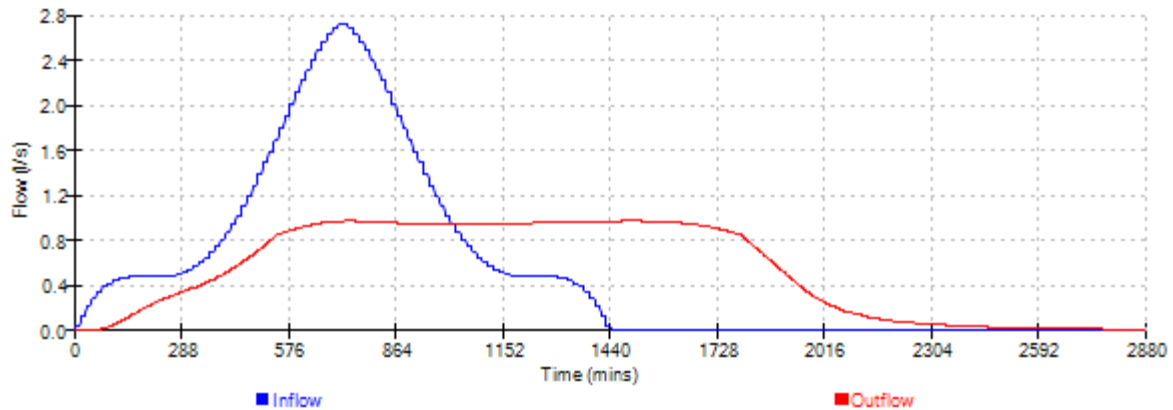
Easy Flood Risk		Page 35
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 960 min Winter



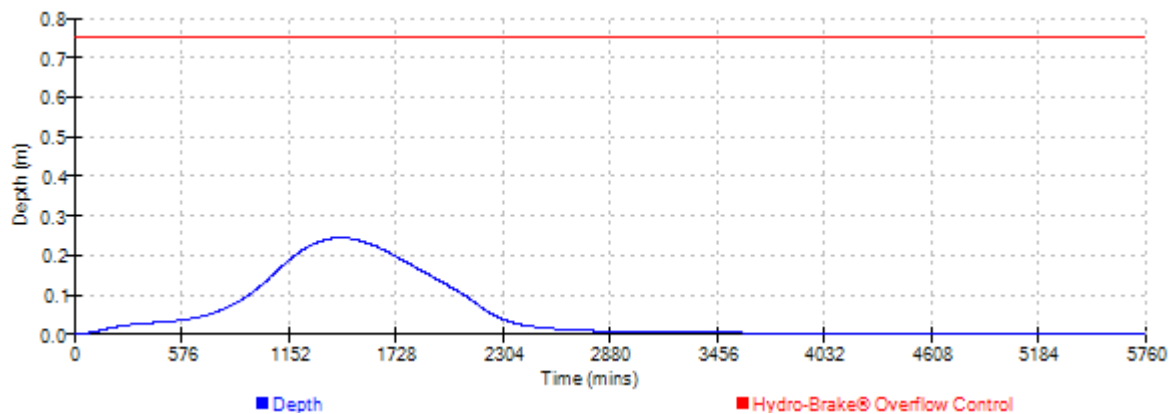
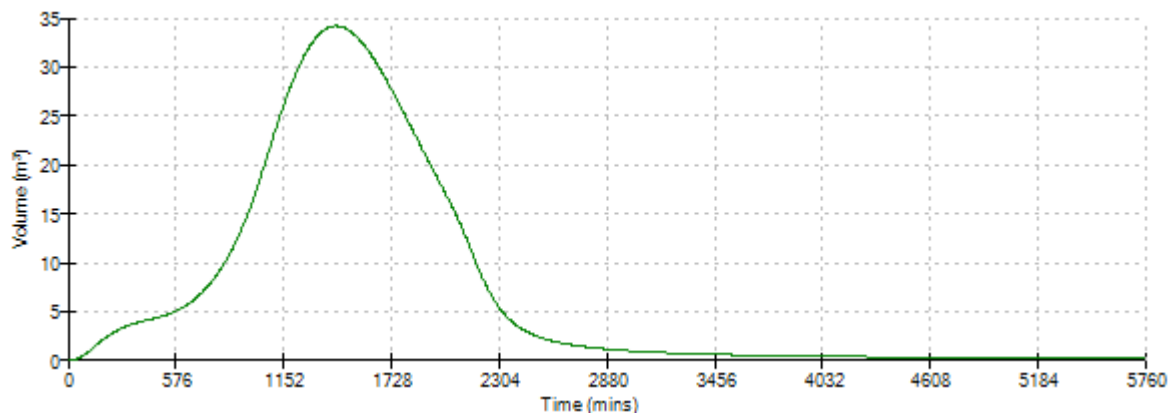
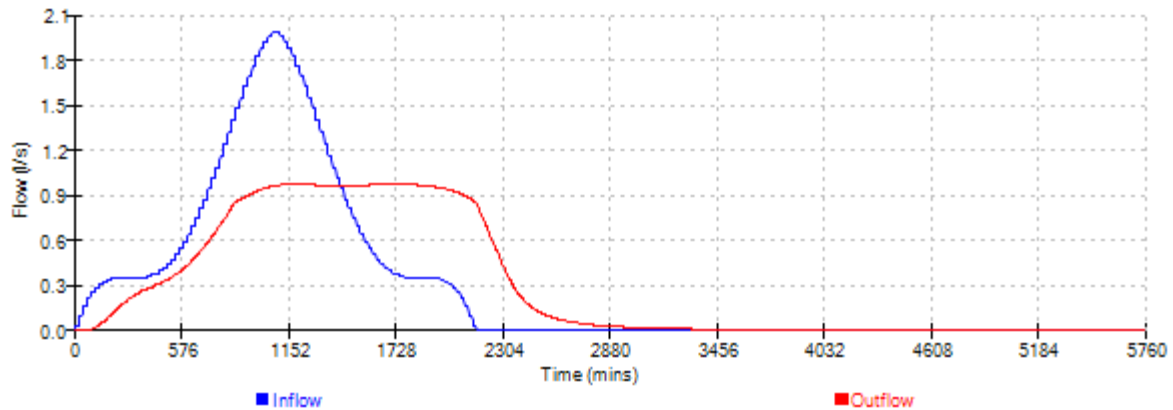
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 1440 min Winter



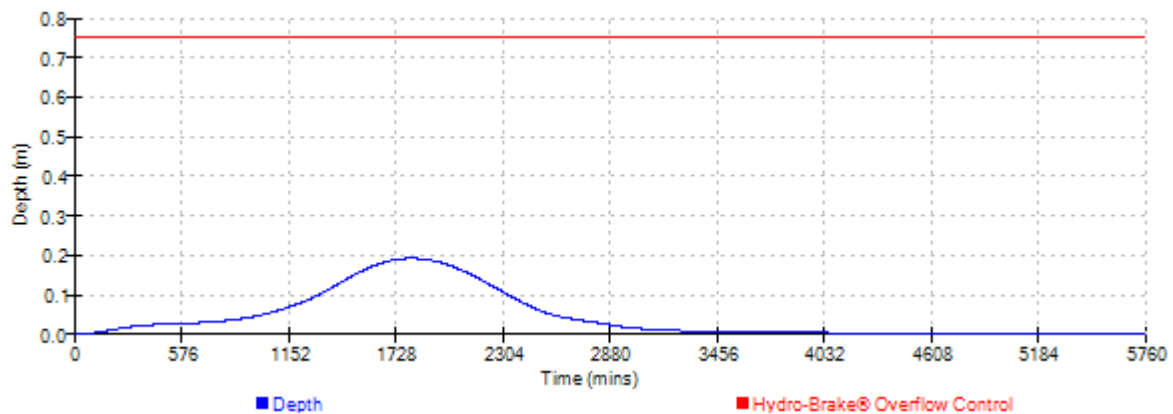
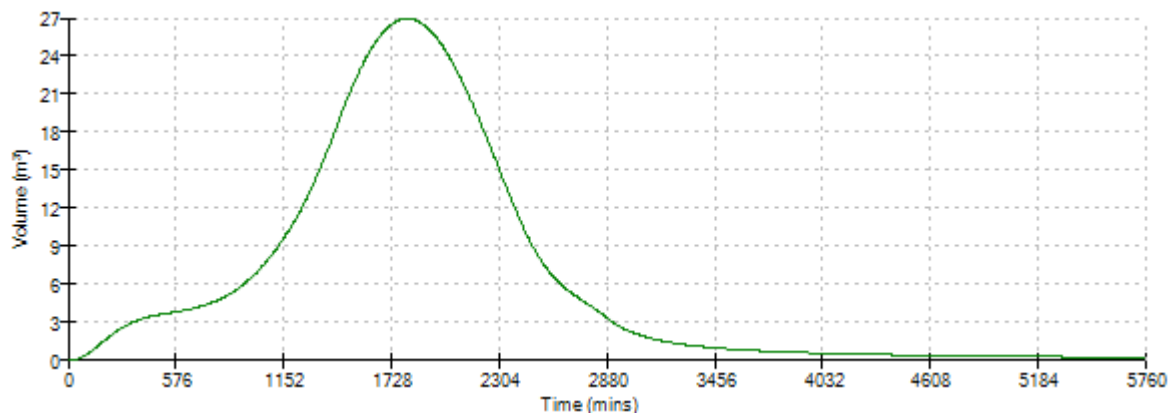
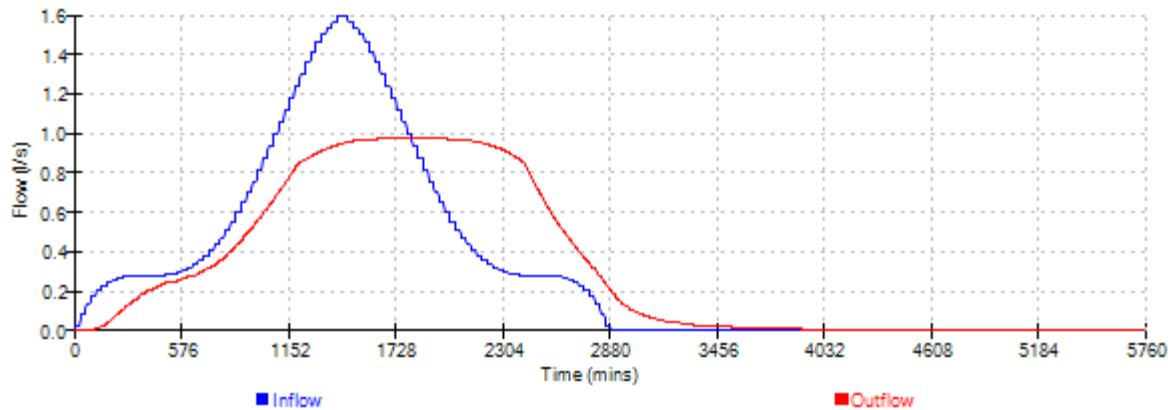
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 2160 min Winter



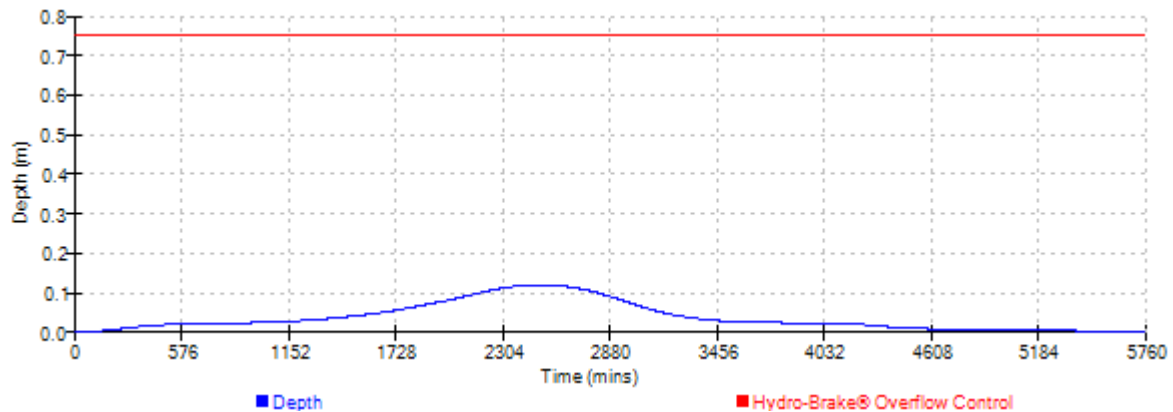
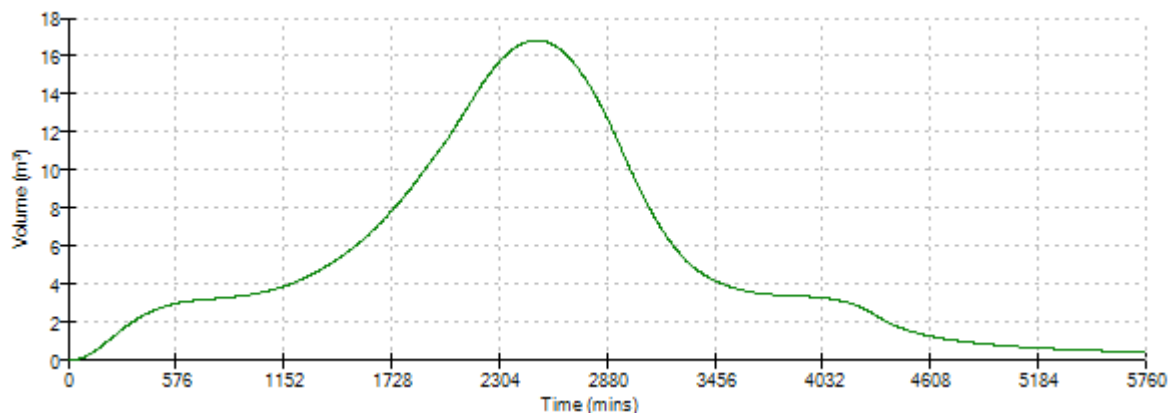
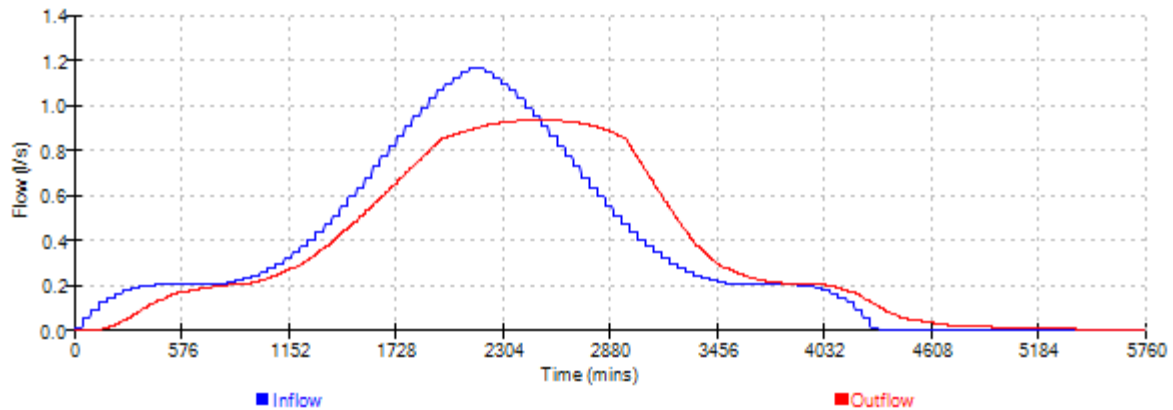
Easy Flood Risk		Page 38
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 2880 min Winter



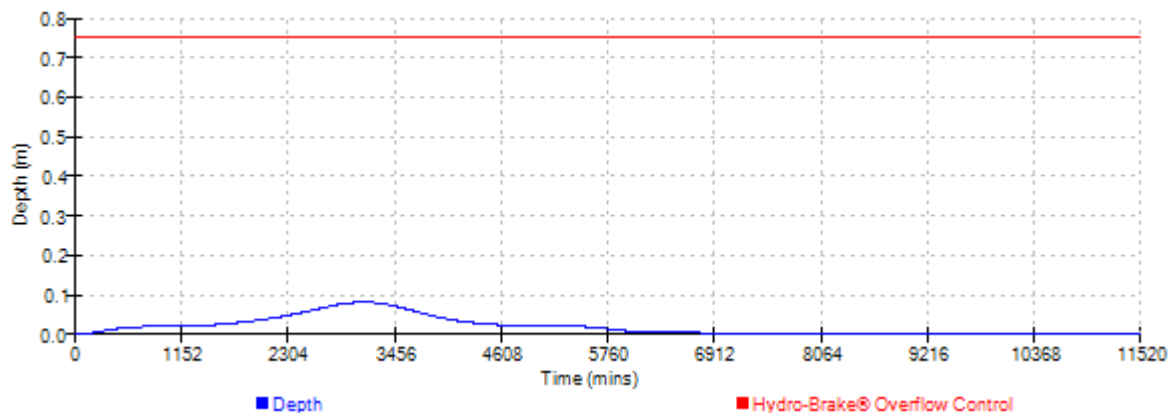
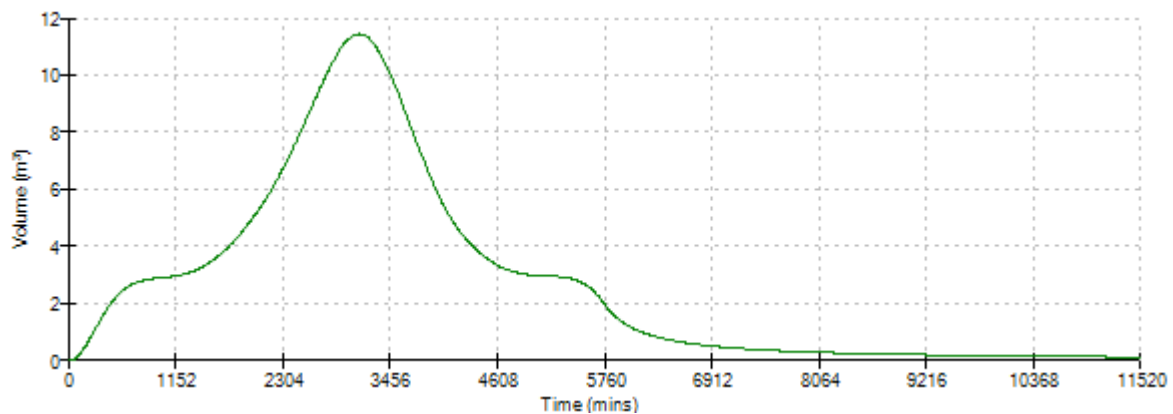
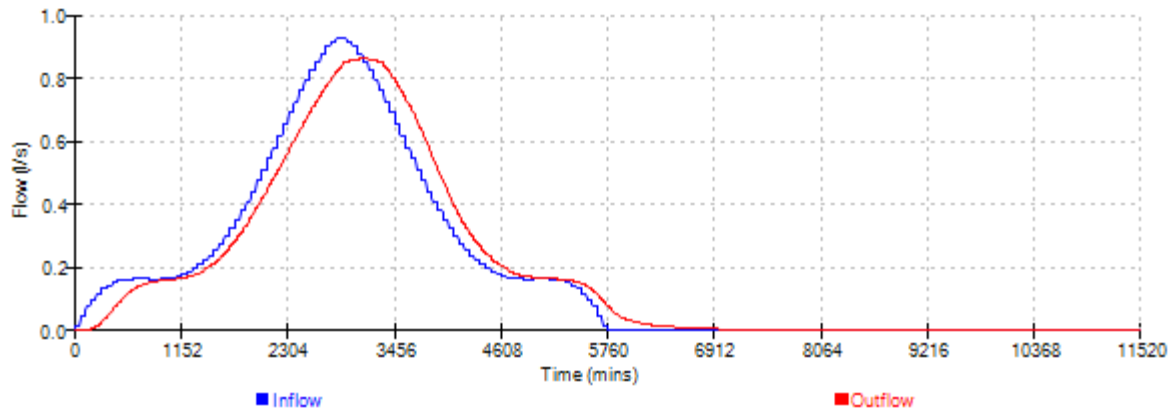
Easy Flood Risk		Page 39
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 4320 min Winter



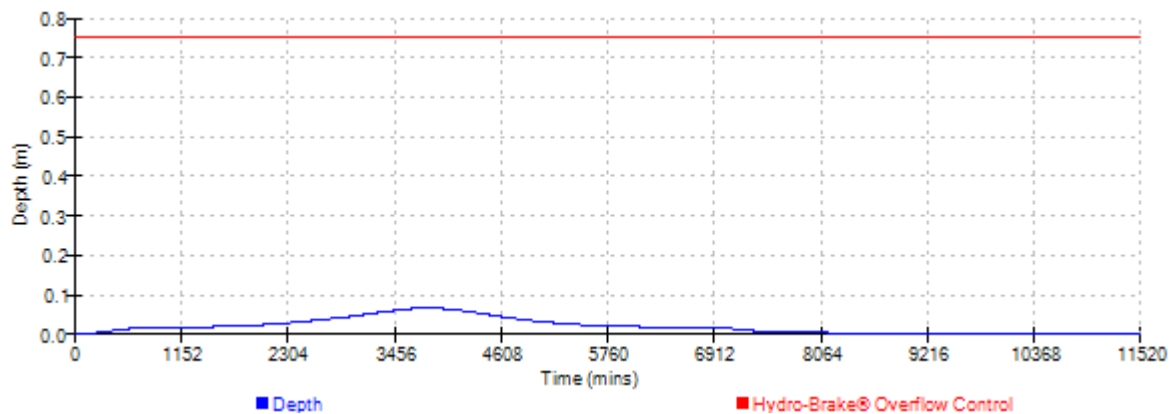
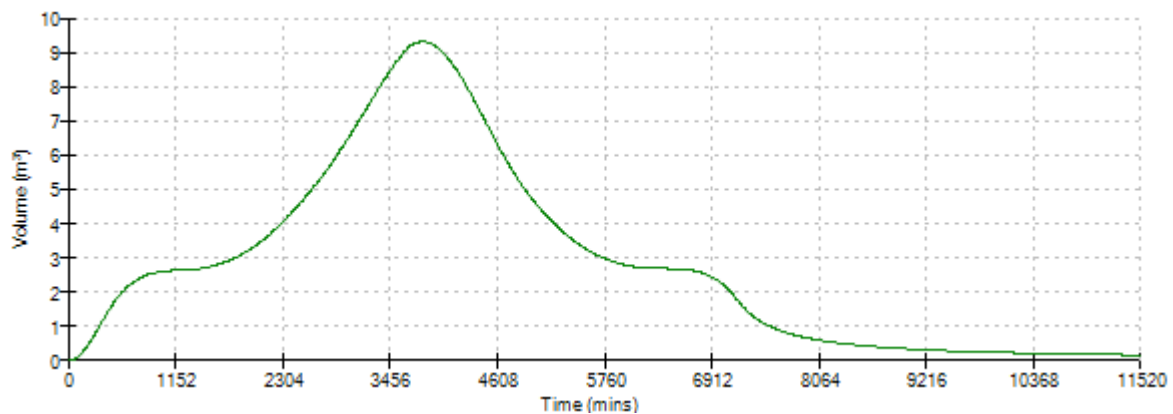
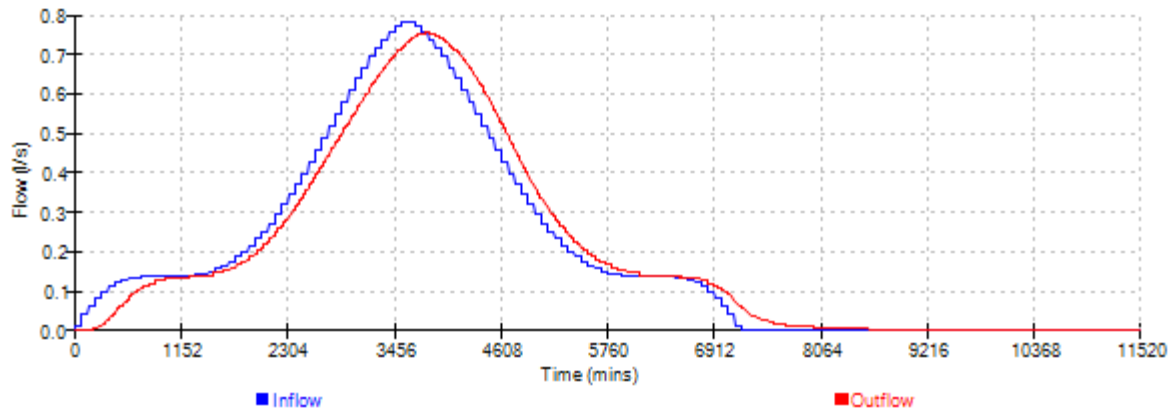
Easy Flood Risk		Page 40
55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 5760 min Winter



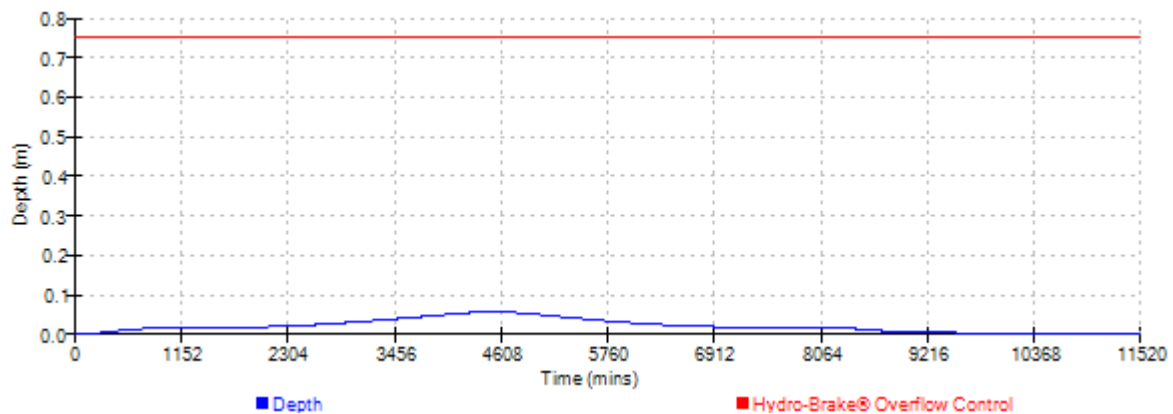
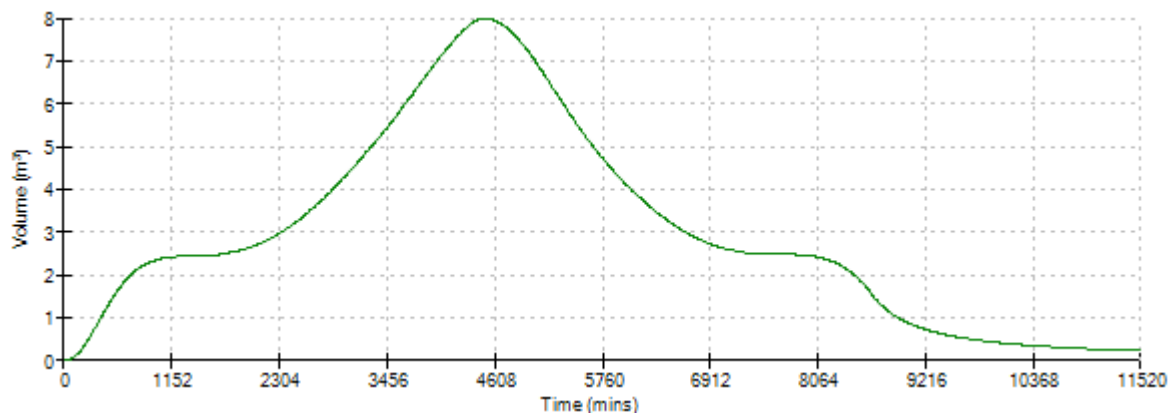
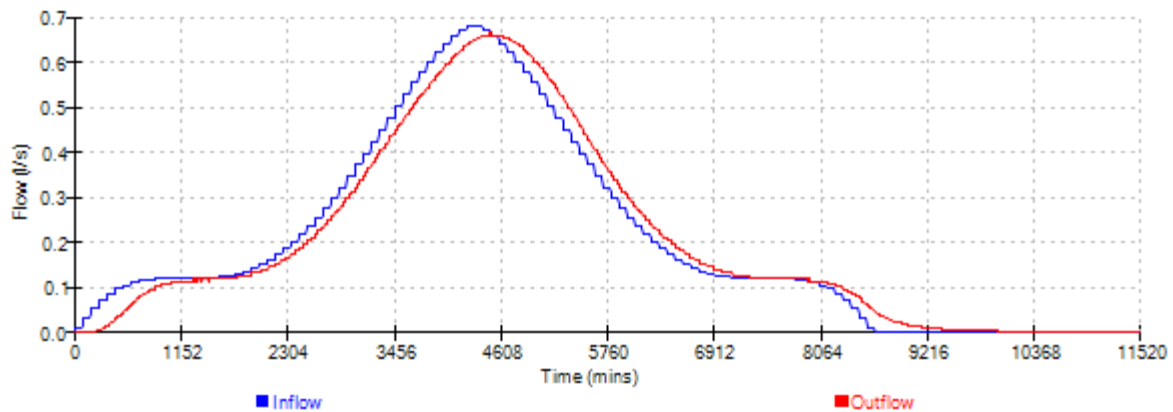
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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 7200 min Winter



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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 8640 min Winter



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55 Shepherds Lane Dartford DA1 2NL		
Date 24/01/2023 07:17 File Nutts Lane.SRCX	Designed by sheph Checked by	
Innovyze	Source Control 2020.1	

Event: 10080 min Winter

