

Pell Frischmann		Page 1
5 Manchester Square London W1U 3PD		
Date 06/03/2025 13:46 File LONGHURST ROAD	Designed by pclark Checked by	
Innovyze Network 2020.1		

Summary Wizard of 360 minute 100 year Summer I+45% for Storm

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 0.000
 Hot Start (mins) 0 MADD Factor * 10m³/ha Storage 2.000
 Hot Start Level (mm) 0 Inlet Coefficient 0.800
 Manhole Headloss Coeff (Global) 0.500 Flow per Person per Day (l/per/day) 0.000
 Foul Sewage per hectare (l/s) 0.000

Number of Input Hydrographs 0 Number of Storage Structures 1
 Number of Online Controls 1 Number of Time/Area Diagrams 0
 Number of Offline Controls 0 Number of Real Time Controls 0

Synthetic Rainfall Details

Rainfall Model FSR Ratio R 0.348
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 18.600 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0 DVD Status ON
 Analysis Timestep Fine Inertia Status ON
 DTS Status ON

Profile(s) Summer and Winter
 Duration(s) (mins) 15, 30, 60, 120, 180, 240, 360, 480, 600,
 720, 960, 1440, 2160, 2880, 4320, 5760, 7200,
 8640, 10080
 Return Period(s) (years) 1, 2, 30, 45, 100
 Climate Change (%) 0, 0, 0, 0, 45

PN	US/MH Name	Storm Rank	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status
1.000	1	12	84.927	0.165	0.000	0.00		0.5	SURCHARGED
1.001	2	12	84.927	0.228	0.000	0.01		2.6	SURCHARGED
1.002	4	12	84.927	0.291	0.000	0.02		5.9	SURCHARGED
2.000	5	12	84.927	0.143	0.000	0.01		7.3	SURCHARGED
1.003	6	12	84.927	0.771	0.000	0.17		5.4	SURCHARGED

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