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Summary of Critical Results by Maximum Level (Rank 1) for STORM SOUTH

Simulation Criteria

Areal Reduction Factor 1.000 Additional Flow - % of Total Flow 10.000
 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 0.350
 Region England and Wales Cv (Summer) 0.750
 M5-60 (mm) 19.000 Cv (Winter) 0.840

Margin for Flood Risk Warning (mm) 300.0
 Analysis Timestep 2.5 Second Increment (Extended)
 DTS Status ON
 DVD Status OFF
 Inertia Status OFF

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) 100
 Climate Change (%) 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
S1.000	S1	15 Winter	100	+40%	100/15 Summer			
S1.001	S2	15 Winter	100	+40%	100/15 Summer			
S2.000	S3	15 Winter	100	+40%	100/15 Summer			
S1.002	S4	15 Winter	100	+40%	100/15 Summer			
S3.000	S5	15 Winter	100	+40%	100/15 Summer			
S3.001	S6	15 Winter	100	+40%	100/15 Summer			
S3.002	S7	15 Winter	100	+40%	100/15 Summer			
S1.003	S8	15 Winter	100	+40%	100/15 Summer			
S4.000	S9	15 Winter	100	+40%	100/15 Summer			
S1.004	S10	15 Winter	100	+40%	100/15 Summer	100/15 Summer		
S5.000	S11	15 Winter	100	+40%	100/15 Summer			
S1.005	S12	15 Winter	100	+40%	100/15 Summer	100/15 Summer		
S6.000	S13	15 Winter	100	+40%	100/15 Summer			
S1.006	S14	15 Winter	100	+40%	100/15 Summer			
S1.007	S15	15 Winter	100	+40%	100/15 Summer			
S1.008	S16	15 Winter	100	+40%	100/15 Summer			
S7.000	S17	15 Winter	100	+40%	100/15 Summer			
S1.009	S18	15 Winter	100	+40%	100/15 Summer			

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PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.
S8.000	S19	15 Winter	100	+40%				
S9.000	S20	15 Winter	100	+40%	100/15 Summer	100/15 Summer		
S10.000	S21	15 Winter	100	+40%	100/15 Summer			
S9.001	S22	15 Winter	100	+40%	100/15 Summer			
S11.000	S23	15 Winter	100	+40%	100/15 Summer			
S9.002	S24	15 Winter	100	+40%	100/15 Summer			
S1.010	S25	15 Winter	100	+40%	100/15 Summer			
S1.011	S26	60 Winter	100	+40%	100/15 Summer			
S1.012	S27	120 Winter	100	+40%	100/15 Summer			
S12.000	S28	15 Winter	100	+40%	100/15 Summer	100/15 Winter		
S13.000	S29	15 Winter	100	+40%	100/15 Summer	100/15 Summer		
S13.001	S30	15 Winter	100	+40%	100/15 Summer			
S13.002	S31	15 Winter	100	+40%	100/15 Summer	100/15 Winter		
S12.001	S32	15 Winter	100	+40%	100/15 Summer	100/15 Summer		
S14.000	S33	15 Winter	100	+40%	100/15 Summer			
S14.001	S34	30 Winter	100	+40%	100/15 Summer	100/15 Summer		
S12.002	S35	15 Summer	100	+40%	100/15 Summer			
S15.000	S36	15 Winter	100	+40%	100/15 Summer	100/15 Winter		
S16.000	S37	15 Winter	100	+40%	100/15 Summer			
S12.003	S38	15 Summer	100	+40%	100/15 Summer			
S17.000	S39	15 Winter	100	+40%	100/15 Summer			
S18.000	S40	15 Winter	100	+40%	100/15 Summer			
S12.004	S41	15 Winter	100	+40%	100/15 Summer			
S19.000	S42	15 Winter	100	+40%	100/15 Summer			
S12.005	S43	15 Winter	100	+40%	100/15 Summer			
S20.000	S44	15 Winter	100	+40%	100/15 Summer			
S12.006	S45	15 Winter	100	+40%	100/15 Summer			
S21.000	S46	15 Winter	100	+40%	100/15 Summer			
S12.007	S47	30 Winter	100	+40%	100/15 Summer	100/15 Summer		
S22.000	S48	15 Winter	100	+40%	100/15 Summer			
S23.000	S49	15 Winter	100	+40%	100/15 Summer			
S12.008	S50	15 Winter	100	+40%	100/15 Summer			
S24.000	S51	15 Winter	100	+40%	100/15 Summer			
S25.000	S52	15 Winter	100	+40%	100/15 Summer			
S12.009	S53	15 Winter	100	+40%	100/15 Summer			
S26.000	S54	15 Winter	100	+40%	100/15 Summer			
S12.010	S55	15 Winter	100	+40%	100/15 Summer			
S27.000	S56	15 Winter	100	+40%	100/15 Summer			
S12.011	S57	15 Winter	100	+40%	100/15 Summer			
S12.012	S58	15 Winter	100	+40%	100/15 Summer			
S28.000	S59	15 Winter	100	+40%	100/15 Summer			
S12.013	S60	60 Winter	100	+40%	100/15 Summer			
S12.014	S61	60 Winter	100	+40%	100/15 Summer			
S12.015	S62	60 Winter	100	+40%	100/15 Summer			
S1.013	S63	120 Winter	100	+40%	100/15 Summer			
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PN	US/MH Name	Water Level (m)	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Overflow Cap.	Half Drain (l/s)	Pipe Time (mins)	Pipe Flow (l/s)	Status
S8.000	S19	16.390	-0.060	0.000	0.35			16.8	OK
S9.000	S20	17.367	1.203	3.018	2.75			36.4	FLOOD
S10.000	S21	17.209	1.069	0.000	1.29			17.5	FLOOD RISK
S9.001	S22	17.097	1.023	0.000	1.85			72.9	FLOOD RISK
S11.000	S23	16.604	0.201	0.000	0.11			4.6	SURCHARGED
S9.002	S24	16.593	0.679	0.000	2.04			74.4	SURCHARGED
S1.010	S25	16.344	0.498	0.000	1.77			199.4	SURCHARGED
S1.011	S26	16.026	0.299	0.000	1.50			160.6	SURCHARGED
S1.012	S27	15.949	0.302	0.000	0.63			127.3	SURCHARGED
S12.000	S28	17.788	1.217	0.009	1.03			15.7	FLOOD
S13.000	S29	18.216	1.124	0.340	1.89			10.1	FLOOD
S13.001	S30	18.170	1.084	0.000	0.76			37.5	FLOOD RISK
S13.002	S31	17.911	1.221	0.028	0.99			60.6	FLOOD
S12.001	S32	17.713	1.213	12.935	0.87			81.1	FLOOD
S14.000	S33	17.621	1.071	0.000	0.20			4.7	FLOOD RISK
S14.001	S34	17.611	1.204	4.026	1.58			25.8	FLOOD
S12.002	S35	17.676	1.418	0.000	1.50			84.2	FLOOD RISK
S15.000	S36	17.989	1.201	0.049	0.76			32.2	FLOOD
S16.000	S37	17.698	1.056	0.000	0.27			11.0	FLOOD RISK
S12.003	S38	17.660	1.445	0.000	1.66			105.8	FLOOD RISK
S17.000	S39	17.487	1.320	0.000	0.14			2.1	FLOOD RISK
S18.000	S40	17.493	1.322	0.000	0.29			4.4	FLOOD RISK
S12.004	S41	17.481	1.375	0.000	1.63			99.5	FLOOD RISK
S19.000	S42	17.351	1.255	0.000	0.73			10.9	FLOOD RISK
S12.005	S43	17.308	1.274	0.000	1.22			117.6	FLOOD RISK
S20.000	S44	17.239	1.138	0.000	0.46			9.2	FLOOD RISK
S12.006	S45	17.208	1.220	0.000	1.03			128.5	FLOOD RISK
S21.000	S46	17.104	0.882	0.000	0.11			2.8	SURCHARGED
S12.007	S47	17.097	1.211	10.216	1.42			137.0	FLOOD
S22.000	S48	17.055	1.005	0.000	0.15			3.9	FLOOD RISK
S23.000	S49	17.110	1.010	0.000	0.44			14.6	FLOOD RISK
S12.008	S50	17.043	1.225	0.000	1.58			151.9	FLOOD RISK
S24.000	S51	16.981	1.031	0.000	0.45			12.6	FLOOD RISK
S25.000	S52	16.960	0.910	0.000	0.26			8.8	FLOOD RISK
S12.009	S53	16.939	1.186	0.000	1.66			156.2	FLOOD RISK
S26.000	S54	16.846	0.996	0.000	0.34			7.3	FLOOD RISK
S12.010	S55	16.823	1.127	0.000	1.57			157.6	FLOOD RISK
S27.000	S56	16.695	0.945	0.000	0.19			3.5	FLOOD RISK
S12.011	S57	16.688	1.028	0.000	1.87			181.9	FLOOD RISK
S12.012	S58	16.457	0.869	0.000	1.80			176.2	FLOOD RISK
S28.000	S59	16.679	0.764	0.000	1.15			35.4	SURCHARGED
S12.013	S60	16.275	0.759	0.000	1.90			179.3	SURCHARGED
S12.014	S61	16.119	0.661	0.000	1.95			178.4	SURCHARGED
S12.015	S62	15.983	0.574	0.000	2.16			177.4	SURCHARGED
S1.013	S63	15.936	0.556	0.000	0.00		74	0.0	SURCHARGED
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