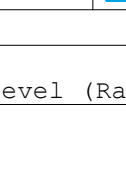


Lees Roxburgh		Page 0	
The Genesis Centre Science Park South Birchwood WA3 7BH		6196 - Longridge Network 1 Surface Water	
Date 01/05/2017 File NETWORK1SW 11.04.24.MDX		Designed by DM Checked by	
Innovyze		Network 2020.1	

1 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for NETWORK1-05.06.18.SWS

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

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.334
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.500	Cv (Winter)	0.840

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

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	1	15 Winter	1	+0%	100/15 Summer				83.388
1.001	2	15 Winter	1	+0%	100/15 Summer				83.161
1.002	3	15 Winter	1	+0%	100/15 Summer				82.952
1.003	4	15 Winter	1	+0%	100/15 Summer				82.545
1.004	5	15 Winter	1	+0%	30/15 Summer				82.318
2.000	6	15 Winter	1	+0%	100/15 Summer	100/15 Winter			81.348
2.001	7	15 Winter	1	+0%	30/15 Summer				81.140
3.000	8	15 Winter	1	+0%	30/15 Summer				81.218
2.002	9	15 Winter	1	+0%	30/15 Summer				81.068
2.003	10	15 Winter	1	+0%	30/15 Summer				81.029
1.005	11	15 Winter	1	+0%	30/15 Summer				80.965
1.006	12	15 Winter	1	+0%	30/15 Summer				80.922
1.007	13	15 Winter	1	+0%	30/15 Winter				80.856
4.000	14	15 Winter	1	+0%	100/15 Summer				81.349

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Lees Roxburgh		Page 1
The Genesis Centre Science Park South Birchwood WA3 7BH	6196 - Longridge Network 1 Surface Water	
Date 01/05/2017	Designed by DM	
File NETWORK1SW 11.04.24.MDX	Checked by	
Innovyze	Network 2020.1	

1 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for
NETWORK1-05.06.18.SWS

PN	US/MH Name	Surcharged Flooded		Flow / Overflow Cap. (l/s)	Time (mins)	Pipe		Level Exceeded
		Depth (m)	Volume (m³)			Flow (l/s)	Status	
1.000	1	-0.162	0.000	0.17		8.1	OK	
1.001	2	-0.138	0.000	0.32		14.9	OK	
1.002	3	-0.138	0.000	0.32		17.7	OK	
1.003	4	-0.144	0.000	0.28		17.6	OK	
1.004	5	-0.126	0.000	0.40		24.6	OK	
2.000	6	-0.150	0.000	0.24		10.1	OK	1
2.001	7	-0.218	0.000	0.16		14.3	OK	
3.000	8	-0.117	0.000	0.46		17.0	OK	
2.002	9	-0.137	0.000	0.58		31.5	OK	
2.003	10	-0.137	0.000	0.57		31.3	OK	
1.005	11	-0.161	0.000	0.61		56.1	OK	
1.006	12	-0.164	0.000	0.61		57.5	OK	
1.007	13	-0.182	0.000	0.51		71.3	OK	
4.000	14	-0.180	0.000	0.09		4.6	OK	

Lees Roxburgh								Page 2	
The Genesis Centre Science Park South Birchwood WA3 7BH				6196 - Longridge Network 1 Surface Water					
Date 01/05/2017				Designed by DM					
File NETWORK1SW 11.04.24.MDX				Checked by					
Innovyze				Network 2020.1					
1 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for NETWORK1-05.06.18.SWS									



Micro
Drainage

PN	US/MH Name	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain	Pipe	Status	Level Exceeded
		Depth (m)	Volume (m³)			Time (mins)	Flow (l/s)		
11.009	56	-0.179	0.000	0.53			62.9	OK	3

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The Genesis Centre

Science Park South

Birchwood WA3 7BH

6196 - Longridge

Network 1

Surface Water

Date 01/05/2017

File NETWORK1SW 11.04.24.MDX

Designed by DM

Checked by

Innovyze

Network 2020.1

Page 5



1 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for

NETWORK1-05.06.18.SWS

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
11.010	57	15 Winter	1	+0%	30/15 Summer				80.124
11.011	58	15 Winter	1	+0%	30/15 Summer				79.997
9.006	59	15 Winter	1	+0%	30/15 Summer	100/15 Winter			79.829
9.007	60	15 Winter	1	+0%	30/15 Summer				79.381
9.008	61	15 Winter	1	+0%	30/15 Summer				79.080
1.013	62	15 Winter	1	+0%	30/15 Summer				78.701
1.014	63	15 Winter	1	+0%	30/15 Summer				78.648
1.015	64	15 Winter	1	+0%	30/15 Summer				78.604
1.016	65	15 Winter	1	+0%	30/15 Summer				78.472
1.017	66	60 Summer	1	+0%	30/15 Summer				78.338
1.018	67	240 Winter	1	+0%	30/120 Winter				77.938
1.019	68	240 Winter	1	+0%	30/60 Winter				77.897
1.020	69	240 Winter	1	+0%	30/15 Winter				77.893

PN	US/MH Name	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
11.010	57	-0.173	0.000	0.56			68.9	OK	
11.011	58	-0.161	0.000	0.62			72.7	OK	
9.006	59	-0.231	0.000	0.47			138.4	OK	3
9.007	60	-0.222	0.000	0.51			141.2	OK	
9.008	61	-0.239	0.000	0.45			151.3	OK	
1.013	62	-0.197	0.000	0.68			321.6	OK	
1.014	63	-0.176	0.000	0.71			319.3	OK	
1.015	64	-0.163	0.000	1.10			319.7	OK	
1.016	65	-0.276	0.000	0.72			326.6	OK	
1.017	66	0.000	0.000	1.17			278.1	OK	
1.018	67	-0.369	0.000	0.38			71.6	OK	
1.019	68	-0.388	0.000	0.21			71.3	OK	
1.020	69	-0.077	0.000	0.76			71.3	OK	

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Lees Roxburgh		Page 6	
The Genesis Centre Science Park South Birchwood WA3 7BH		6196 - Longridge Network 1 Surface Water	
Date 01/05/2017		Designed by DM	
File NETWORK1SW 11.04.24.MDX		Checked by	
Innovyze		Network 2020.1	

30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for NETWORK1-05.06.18.SWS

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

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.334
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.500	Cv (Winter)	0.840

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

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	1 15	Winter	30	+0%	100/15 Summer				83.427
1.001	2 15	Winter	30	+0%	100/15 Summer				83.236
1.002	3 15	Winter	30	+0%	100/15 Summer				83.029
1.003	4 15	Winter	30	+0%	100/15 Summer				82.618
1.004	5 15	Winter	30	+0%	30/15 Summer				82.476
2.000	6 15	Winter	30	+0%	100/15 Summer	100/15 Winter			81.494
2.001	7 15	Winter	30	+0%	30/15 Summer				81.448
3.000	8 15	Winter	30	+0%	30/15 Summer				81.421
2.002	9 15	Winter	30	+0%	30/15 Summer				81.373
2.003	10 15	Winter	30	+0%	30/15 Summer				81.290
1.005	11 15	Winter	30	+0%	30/15 Summer				81.204
1.006	12 15	Winter	30	+0%	30/15 Summer				81.121
1.007	13 15	Winter	30	+0%	30/15 Winter				81.039
4.000	14 15	Winter	30	+0%	100/15 Summer				81.375

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Lees Roxburgh		Page 7
The Genesis Centre Science Park South Birchwood WA3 7BH	6196 - Longridge Network 1 Surface Water	
Date 01/05/2017	Designed by DM	
File NETWORK1SW 11.04.24.MDX	Checked by	
Innovyze	Network 2020.1	

30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

PN	US/MH Name	Surcharged Flooded		Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m³)					
1.000	1	-0.123	0.000	0.41		19.8	OK	
1.001	2	-0.063	0.000	0.84		39.7	OK	
1.002	3	-0.061	0.000	0.86		48.4	OK	
1.003	4	-0.070	0.000	0.76		48.0	OK	
1.004	5	0.033	0.000	1.08		66.8	SURCHARGED	
2.000	6	-0.004	0.000	0.59		24.7	OK	1
2.001	7	0.090	0.000	0.38		33.6	SURCHARGED	
3.000	8	0.086	0.000	0.53		19.4	SURCHARGED	
2.002	9	0.169	0.000	0.87		47.8	SURCHARGED	
2.003	10	0.125	0.000	0.90		49.6	SURCHARGED	
1.005	11	0.078	0.000	1.17		107.2	SURCHARGED	
1.006	12	0.036	0.000	1.17		110.5	SURCHARGED	
1.007	13	0.000	0.000	1.01		140.5	SURCHARGED	
4.000	14	-0.154	0.000	0.21		11.4	OK	

Lees Roxburgh									Page 8
The Genesis Centre Science Park South Birchwood WA3 7BH					6196 - Longridge Network 1 Surface Water				
Date 01/05/2017 File NETWORK1SW 11.04.24.MDX					Designed by DM Checked by				
Innovyze					Network 2020.1				
30 year Return Period Summary of Critical Results by Maximum Level (Rank 1) for NETWORK1-05.06.18.SWS									
PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
4.001	15	15 Winter	30	+0%	100/15 Summer				81.075
4.002	16	15 Winter	30	+0%	100/15 Summer				80.981
4.003	17	15 Winter	30	+0%	100/15 Summer				80.743
5.000	18	15 Winter	30	+0%	100/15 Summer				81.319
5.001	19	15 Winter	30	+0%	100/15 Summer				81.074
1.008	20	15 Winter	30	+0%	100/15 Summer				80.661
1.009	21	15 Winter	30	+0%	100/15 Summer				79.940
6.000	22	15 Winter	30	+0%	100/15 Summer				79.988
6.001	23	15 Winter	30	+0%	100/15 Summer				79.976
6.002	24	15 Winter	30	+0%	30/15 Summer				79.967
6.003	25	15 Winter	30	+0%	30/15 Winter				79.884
6.004	26	15 Winter	30	+0%	30/15 Winter				79.803
7.000	27	15 Winter	30	+0%	100/15 Summer				79.991
7.001	28	15 Winter	30	+0%	100/15 Summer				79.790
1.010	29	15 Winter	30	+0%	30/15 Winter				79.722
1.011	30	15 Winter	30	+0%	30/15 Summer	100/15 Winter			79.492
8.000	31	15 Winter	30	+0%	30/15 Summer				79.590
8.001	32	15 Winter	30	+0%	30/15 Summer				79.503
1.012	33	15 Winter	30	+0%	30/15 Summer				79.421
9.000	34	15 Winter	30	+0%	100/15 Summer				82.617
10.000	35	15 Winter	30	+0%	30/15 Summer	100/15 Summer			82.096
10.001	36	15 Winter	30	+0%	30/15 Summer	100/15 Summer			82.082
9.001	37	15 Winter	30	+0%	30/15 Summer				81.970
9.002	38	15 Winter	30	+0%	30/15 Summer	100/15 Summer			81.710
9.003	39	15 Winter	30	+0%	30/15 Summer	100/15 Summer			81.465
9.004	40	15 Winter	30	+0%	30/15 Summer	100/15 Summer			81.000
9.005	41	15 Winter	30	+0%	30/15 Winter				80.594
11.000	42a	15 Winter	30	+0%	100/15 Summer				82.598
11.001	42	15 Winter	30	+0%	100/15 Summer				82.367
11.002	43	15 Winter	30	+0%	30/15 Summer	100/15 Summer			81.930
11.003	44	15 Winter	30	+0%	30/15 Summer	100/15 Winter			81.658
12.000	45	15 Winter	30	+0%	30/15 Summer				81.257
11.004	46	15 Winter	30	+0%	30/15 Summer				81.253
11.005	47	15 Winter	30	+0%	30/15 Summer	100/15 Summer			81.127
13.000	48	15 Winter	30	+0%	100/15 Summer				81.884
13.001	49	15 Winter	30	+0%	100/15 Summer				81.724
13.002	50	15 Winter	30	+0%	100/15 Summer				81.511
13.003	51	15 Winter	30	+0%	100/15 Summer				81.345
13.004	52	15 Winter	30	+0%	100/15 Summer				81.214
11.006	53	15 Winter	30	+0%	30/15 Summer				80.977
11.007	54	15 Winter	30	+0%	30/15 Summer				80.891
11.008	55	15 Winter	30	+0%	30/15 Summer	100/15 Winter			80.789
11.009	56	15 Winter	30	+0%	30/15 Summer	100/15 Winter			80.685
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Lees Roxburgh					Page 10	
The Genesis Centre Science Park South Birchwood WA3 7BH			6196 - Longridge Network 1 Surface Water			
Date 01/05/2017			Designed by DM			
File NETWORK1SW 11.04.24.MDX			Checked by			
Innovyze			Network 2020.1			
<u>30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)</u> <u>for NETWORK1-05.06.18.SWS</u>						

Lees Roxburgh		Page 11
The Genesis Centre Science Park South Birchwood WA3 7BH	6196 - Longridge Network 1 Surface Water	
Date 01/05/2017	Designed by DM	
File NETWORK1SW 11.04.24.MDX	Checked by	
Innovyze	Network 2020.1	

30 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
11.010	57	15 Winter	30	+0%	30/15 Summer				80.583
11.011	58	15 Winter	30	+0%	30/15 Summer				80.443
9.006	59	15 Winter	30	+0%	30/15 Summer	100/15 Winter			80.320
9.007	60	15 Winter	30	+0%	30/15 Summer				79.937
9.008	61	15 Winter	30	+0%	30/15 Summer				79.665
1.013	62	15 Winter	30	+0%	30/15 Summer				79.361
1.014	63	15 Winter	30	+0%	30/15 Summer				79.190
1.015	64	15 Winter	30	+0%	30/15 Summer				79.014
1.016	65	15 Winter	30	+0%	30/15 Summer				78.837
1.017	66	30 Winter	30	+0%	30/15 Summer				78.454
1.018	67	240 Winter	30	+0%	30/120 Winter				78.395
1.019	68	120 Winter	30	+0%	30/60 Winter				78.571
1.020	69	120 Winter	30	+0%	30/15 Winter				78.582

PN	US/MH	Surcharged	Flooded	Flow / Cap.	Overflow (l/s)	Half Drain	Pipe	Status	Level
	Name	Depth (m)	Volume (m³)			Time (mins)	Flow (l/s)		Exceeded
11.010	57	0.286	0.000	1.05			130.4	SURCHARGED	3
11.011	58	0.285	0.000	1.13			133.5	SURCHARGED	
9.006	59	0.260	0.000	0.96			279.0	SURCHARGED	
9.007	60	0.334	0.000	1.01			277.5	SURCHARGED	
9.008	61	0.346	0.000	0.87			292.5	SURCHARGED	
1.013	62	0.464	0.000	1.37			651.4	SURCHARGED	
1.014	63	0.366	0.000	1.46			655.9	SURCHARGED	
1.015	64	0.247	0.000	2.25			656.2	SURCHARGED	
1.016	65	0.089	0.000	1.48			672.3	SURCHARGED	
1.017	66	0.116	0.000	2.82			669.9	SURCHARGED	
1.018	67	0.088	0.000	0.93			173.8	SURCHARGED	
1.019	68	0.286	0.000	0.41			140.3	SURCHARGED	
1.020	69	0.612	0.000	0.84			79.1	SURCHARGED	

Lees Roxburgh		Page 12	
The Genesis Centre Science Park South Birchwood WA3 7BH		6196 - Longridge Network 1 Surface Water	
Date 01/05/2017 File NETWORK1SW 11.04.24.MDX		Designed by DM Checked by	
Innovyze		Network 2020.1	

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

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

Synthetic Rainfall Details

Rainfall Model	FSR	Ratio R	0.334
Region	England and Wales	Cv (Summer)	0.750
M5-60 (mm)	18.500	Cv (Winter)	0.840

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

Profile(s)	Summer and Winter
Duration(s) (mins)	15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960
Return Period(s) (years)	1, 30, 100
Climate Change (%)	0, 0, 40

PN	US/MH Name	Storm	Return Period	Climate Change	First (X) Surcharge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Water Level (m)
1.000	1 15	Winter	100	+40%	100/15	Summer			83.918
1.001	2 15	Winter	100	+40%	100/15	Summer			83.826
1.002	3 15	Winter	100	+40%	100/15	Summer			83.529
1.003	4 15	Winter	100	+40%	100/15	Summer			83.004
1.004	5 15	Winter	100	+40%	30/15	Summer			82.770
2.000	6 15	Winter	100	+40%	100/15	Summer	100/15	Winter	82.698
2.001	7 15	Winter	100	+40%	30/15	Summer			82.662
3.000	8 15	Winter	100	+40%	30/15	Summer			82.633
2.002	9 15	Winter	100	+40%	30/15	Summer			82.566
2.003	10 15	Winter	100	+40%	30/15	Summer			82.483
1.005	11 15	Winter	100	+40%	30/15	Summer			82.401
1.006	12 15	Winter	100	+40%	30/15	Summer			82.299
1.007	13 15	Winter	100	+40%	30/15	Winter			82.212
4.000	14 15	Winter	100	+40%	100/15	Summer			82.010

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Lees Roxburgh		Page 13
The Genesis Centre Science Park South Birchwood WA3 7BH	6196 - Longridge Network 1 Surface Water	
Date 01/05/2017	Designed by DM	
File NETWORK1SW 11.04.24.MDX	Checked by	
Innovyze	Network 2020.1	

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

PN	US/MH Name	Surcharged Flooded		Flow / Overflow Cap. (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
		Depth (m)	Volume (m³)					
1.000	1	0.368	0.000	0.62		29.7	SURCHARGED	
1.001	2	0.527	0.000	1.16		55.0	SURCHARGED	
1.002	3	0.439	0.000	1.17		65.7	SURCHARGED	
1.003	4	0.316	0.000	1.01		63.7	SURCHARGED	
1.004	5	0.327	0.000	1.51		93.1	SURCHARGED	
2.000	6	1.200	0.327	0.76		32.3	FLOOD	1
2.001	7	1.304	0.000	0.44		39.1	SURCHARGED	
3.000	8	1.298	0.000	0.73		26.6	SURCHARGED	
2.002	9	1.362	0.000	1.28		69.8	SURCHARGED	
2.003	10	1.317	0.000	1.43		78.7	SURCHARGED	
1.005	11	1.275	0.000	1.55		141.6	SURCHARGED	
1.006	12	1.213	0.000	1.58		149.1	SURCHARGED	
1.007	13	1.174	0.000	1.24		172.9	SURCHARGED	
4.000	14	0.481	0.000	0.37		20.0	SURCHARGED	

Lees Roxburgh									Page 14
The Genesis Centre Science Park South Birchwood WA3 7BH		6196 - Longridge Network 1 Surface Water							
Date 01/05/2017 File NETWORK1SW 11.04.24.MDX		Designed by DM Checked by							
Innovyze		Network 2020.1							
<u>100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)</u> <u>for NETWORK1-05.06.18.SWS</u>									
	US/MH		Return	Climate	First (X)	First (Y)	First (Z)	Overflow	Water
PN	Name	Storm	Period	Change	Surcharge	Flood	Overflow	Act.	Level
									(m)
4.001	15	15 Winter	100	+40%	100/15 Summer				81.981
4.002	16	15 Winter	100	+40%	100/15 Summer				81.962
4.003	17	15 Winter	100	+40%	100/15 Summer				81.866
5.000	18	15 Winter	100	+40%	100/15 Summer				81.957
5.001	19	15 Winter	100	+40%	100/15 Summer				81.937
1.008	20	15 Winter	100	+40%	100/15 Summer				81.783
1.009	21	15 Winter	100	+40%	100/15 Summer				81.074
6.000	22	30 Winter	100	+40%	100/15 Summer				81.099
6.001	23	30 Winter	100	+40%	100/15 Summer				81.087
6.002	24	30 Winter	100	+40%	30/15 Summer				81.076
6.003	25	15 Winter	100	+40%	30/15 Winter				80.902
6.004	26	15 Winter	100	+40%	30/15 Winter				80.812
7.000	27	15 Winter	100	+40%	100/15 Summer				80.828
7.001	28	15 Winter	100	+40%	100/15 Summer				80.805
1.010	29	15 Winter	100	+40%	30/15 Winter				80.721
1.011	30	30 Winter	100	+40%	30/15 Summer	100/15 Winter			80.304
8.000	31	15 Winter	100	+40%	30/15 Summer				80.425
8.001	32	15 Winter	100	+40%	30/15 Summer				80.277
1.012	33	15 Winter	100	+40%	30/15 Summer				80.166
9.000	34	15 Winter	100	+40%	100/15 Summer				83.419
10.000	35	15 Winter	100	+40%	30/15 Summer	100/15 Summer			83.189
10.001	36	15 Winter	100	+40%	30/15 Summer	100/15 Summer			83.246
9.001	37	15 Winter	100	+40%	30/15 Summer				83.198
9.002	38	15 Winter	100	+40%	30/15 Summer	100/15 Summer			82.844
9.003	39	30 Winter	100	+40%	30/15 Summer	100/15 Summer			82.548
9.004	40	30 Winter	100	+40%	30/15 Summer	100/15 Summer			82.104
9.005	41	15 Winter	100	+40%	30/15 Winter				81.739
11.000	42a	15 Winter	100	+40%	100/15 Summer				83.610
11.001	42	15 Winter	100	+40%	100/15 Summer				83.535
11.002	43	15 Winter	100	+40%	30/15 Summer	100/15 Summer			83.027
11.003	44	15 Winter	100	+40%	30/15 Summer	100/15 Winter			82.756
12.000	45	15 Winter	100	+40%	30/15 Summer				82.250
11.004	46	15 Winter	100	+40%	30/15 Summer				82.233
11.005	47	30 Winter	100	+40%	30/15 Summer	100/15 Summer			82.008
13.000	48	15 Winter	100	+40%	100/15 Summer				82.385
13.001	49	15 Winter	100	+40%	100/15 Summer				82.352
13.002	50	30 Winter	100	+40%	100/15 Summer				82.301
13.003	51	30 Winter	100	+40%	100/15 Summer				82.233
13.004	52	15 Winter	100	+40%	100/15 Summer				82.173
11.006	53	30 Winter	100	+40%	30/15 Summer				81.904
11.007	54	30 Winter	100	+40%	30/15 Summer				81.809
11.008	55	30 Winter	100	+40%	30/15 Summer	100/15 Winter			81.706
11.009	56	15 Winter	100	+40%	30/15 Summer	100/15 Winter			81.650
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Date 01/05/2017
File NETWORK1SW 11.04.24.MDX

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6196 - Longridge
Network 1
Surface Water

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Network 2020.1

Page 15



100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

PN	US/MH Name	Surcharged Depth (m)	Flooded Volume (m³)	Flow / Cap.	Overflow (l/s)	Half Drain Time (mins)	Pipe Flow (l/s)	Status	Level Exceeded
4.001	15	0.753	0.000	0.36			18.8	SURCHARGED	
4.002	16	0.894	0.000	0.94			49.4	SURCHARGED	
4.003	17	1.023	0.000	1.00			72.0	FLOOD RISK	
5.000	18	0.477	0.000	0.29			17.6	SURCHARGED	
5.001	19	0.771	0.000	0.93			48.3	SURCHARGED	
1.008	20	1.047	0.000	1.07			270.9	FLOOD RISK	
1.009	21	1.004	0.000	0.91			320.8	FLOOD RISK	
6.000	22	0.996	0.000	0.21			7.8	SURCHARGED	
6.001	23	1.084	0.000	0.31			11.4	SURCHARGED	
6.002	24	1.163	0.000	1.27			48.5	FLOOD RISK	
6.003	25	1.121	0.000	0.82			55.4	FLOOD RISK	
6.004	26	1.120	0.000	1.18			76.8	FLOOD RISK	
7.000	27	0.679	0.000	0.30			13.9	SURCHARGED	
7.001	28	0.913	0.000	0.81			38.0	FLOOD RISK	
1.010	29	1.099	0.000	0.89			399.5	FLOOD RISK	
1.011	30	1.203	3.284	1.37			443.7	FLOOD	2
8.000	31	1.178	0.000	1.00			71.4	FLOOD RISK	
8.001	32	1.181	0.000	1.22			79.8	FLOOD RISK	
1.012	33	1.143	0.000	1.01			522.8	FLOOD RISK	
9.000	34	0.661	0.000	0.45			34.6	SURCHARGED	
10.000	35	1.206	6.503	0.92			34.4	FLOOD	4
10.001	36	1.427	2.069	1.25			45.8	FLOOD	4
9.001	37	1.509	0.000	1.59			74.4	FLOOD RISK	
9.002	38	1.337	3.432	1.01			101.6	FLOOD	4
9.003	39	1.336	6.511	1.15			130.4	FLOOD	4
9.004	40	1.289	4.754	1.41			155.3	FLOOD	4
9.005	41	1.221	0.000	1.09			185.0	FLOOD RISK	
11.000	42a	0.877	0.000	0.46			29.4	SURCHARGED	
11.001	42	1.085	0.000	0.86			48.8	FLOOD RISK	
11.002	43	1.228	2.910	1.26			71.8	FLOOD	4
11.003	44	1.202	0.308	1.07			86.3	FLOOD	2
12.000	45	1.163	0.000	0.41			14.0	FLOOD RISK	
11.004	46	1.211	0.000	0.96			94.7	FLOOD RISK	
11.005	47	1.225	16.426	1.41			97.3	FLOOD	5
13.000	48	0.370	0.000	0.63			32.8	SURCHARGED	
13.001	49	0.509	0.000	0.71			37.0	SURCHARGED	
13.002	50	0.687	0.000	0.72			36.3	SURCHARGED	
13.003	51	0.784	0.000	0.60			30.3	SURCHARGED	
13.004	52	0.885	0.000	0.90			63.7	SURCHARGED	
11.006	53	1.233	0.000	1.31			140.6	FLOOD RISK	
11.007	54	1.209	0.000	1.19			140.6	FLOOD RISK	
11.008	55	1.207	6.740	1.12			133.2	FLOOD	3

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Lees Roxburgh		Page 16
The Genesis Centre Science Park South Birchwood WA3 7BH	6196 - Longridge Network 1 Surface Water	
Date 01/05/2017	Designed by DM	
File NETWORK1SW 11.04.24.MDX	Checked by	
Innovyze	Network 2020.1	

100 year Return Period Summary of Critical Results by Maximum Level (Rank 1)
for NETWORK1-05.06.18.SWS

			Surcharged	Flooded		Half Drain	Pipe		
PN	US/MH Name	Depth (m)	Volume (m³)	Flow / Cap.	Overflow (l/s)	Time (mins)	Flow (l/s)	Status	Level Exceeded
11.009	56	1.256	0.342	1.16			136.4	FLOOD	3



Micro
Drainage

Water Level									
PN	US/MH	Storm	Return Period	Climate Change	First (X) Surge	First (Y) Flood	First (Z) Overflow	Overflow Act.	Level (m)
1.010	57	30	Winter	100	+40%	30/15	Summer		81.579
1.011	58	15	Winter	100	+40%	30/15	Summer		81.435
9.006	59	30	Winter	100	+40%	30/15	Summer	100/15 Winter	81.283
9.007	60	15	Winter	100	+40%	30/15	Summer		80.854
9.008	61	15	Winter	100	+40%	30/15	Summer		80.511
1.013	62	30	Winter	100	+40%	30/15	Summer		80.043
1.014	63	30	Winter	100	+40%	30/15	Summer		79.720
1.015	64	30	Winter	100	+40%	30/15	Summer		79.383
1.016	65	30	Winter	100	+40%	30/15	Summer		79.049
1.017	66	240	Winter	100	+40%	30/15	Summer		78.952
1.018	67	240	Winter	100	+40%	30/120	Winter		78.932
1.019	68	180	Winter	100	+40%	30/60	Winter		79.300
1.020	69	180	Winter	100	+40%	30/15	Winter		79.305

11.010	57	1.282	0.000	1.19	147.2	FLOOD RISK	
11.011	58	1.277	0.000	1.29	152.5	FLOOD RISK	
9.006	59	1.223	2.253	1.09	317.7	FLOOD	3
9.007	60	1.252	0.000	1.16	320.1	FLOOD RISK	
9.008	61	1.192	0.000	1.05	356.3	FLOOD RISK	
1.013	62	1.145	0.000	1.87	885.4	SURCHARGED	
1.014	63	0.895	0.000	2.02	908.3	SURCHARGED	
1.015	64	0.616	0.000	3.12	907.1	SURCHARGED	
1.016	65	0.301	0.000	2.12	961.7	SURCHARGED	
1.017	66	0.614	0.000	1.98	471.9	SURCHARGED	
1.018	67	0.625	0.000	1.57	292.6	SURCHARGED	
1.019	68	1.015	0.000	0.63	213.9	SURCHARGED	
1.020	69	1.335	0.000	1.73	162.5	SURCHARGED	