

Bellamy Roberts				Page 1	
Clover House Western Lane Odiham RG29 1TU		Premier Coastal Properties Ltd Warblington Road, Emsworth Storage Tank 2			
Date 02/01/2024 10:56 File STORAGE AREA 2.SRCX		Designed by JCB Checked by MT			
Innovyze		Source Control 2020.1.3			
<u>Summary of Results for 1 year Return Period</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Control (l/s)	Max Volume (m³)	Status
15 min Summer	3.827	0.127	1.1	5.1	O K
30 min Summer	3.857	0.157	1.2	6.3	O K
60 min Summer	3.880	0.180	1.3	7.2	O K
120 min Summer	3.896	0.196	1.4	7.8	O K
180 min Summer	3.898	0.198	1.4	7.9	O K
240 min Summer	3.895	0.195	1.4	7.8	O K
360 min Summer	3.884	0.184	1.4	7.3	O K
480 min Summer	3.870	0.170	1.3	6.8	O K
600 min Summer	3.858	0.158	1.2	6.3	O K
720 min Summer	3.847	0.147	1.2	5.9	O K
960 min Summer	3.829	0.129	1.1	5.2	O K
1440 min Summer	3.803	0.103	1.0	4.1	O K
2160 min Summer	3.780	0.080	0.8	3.2	O K
2880 min Summer	3.766	0.066	0.7	2.6	O K
4320 min Summer	3.753	0.053	0.6	2.1	O K
5760 min Summer	3.746	0.046	0.5	1.9	O K
7200 min Summer	3.742	0.042	0.4	1.7	O K
8640 min Summer	3.739	0.039	0.4	1.6	O K
10080 min Summer	3.737	0.037	0.3	1.5	O K
15 min Winter	3.843	0.143	1.2	5.7	O K
30 min Winter	3.878	0.178	1.3	7.1	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)	
15 min Summer	28.417	0.0	5.6	17	
30 min Summer	18.860	0.0	7.5	31	
60 min Summer	12.227	0.0	9.8	48	
120 min Summer	7.783	0.0	12.5	82	
180 min Summer	5.952	0.0	14.3	118	
240 min Summer	4.917	0.0	15.8	152	
360 min Summer	3.727	0.0	17.9	218	
480 min Summer	3.055	0.0	19.6	282	
600 min Summer	2.619	0.0	21.0	346	
720 min Summer	2.309	0.0	22.2	406	
960 min Summer	1.894	0.0	24.3	530	
1440 min Summer	1.433	0.0	27.5	768	
2160 min Summer	1.083	0.0	31.3	1128	
2880 min Summer	0.888	0.0	34.2	1476	
4320 min Summer	0.672	0.0	38.8	2204	
5760 min Summer	0.552	0.0	42.5	2936	
7200 min Summer	0.474	0.0	45.6	3672	
8640 min Summer	0.417	0.0	48.1	4400	
10080 min Summer	0.374	0.0	50.4	5096	
15 min Winter	28.417	0.0	6.3	17	
30 min Winter	18.860	0.0	8.4	30	
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<u>Summary of Results for 1 year Return Period</u>					
Storm Event	Max Level (m)	Max Depth (m)	Max Control (l/s)	Max Volume (m³)	Status
60 min Winter	3.903	0.203	1.4	8.1	O K
120 min Winter	3.916	0.216	1.5	8.7	O K
180 min Winter	3.914	0.214	1.5	8.6	O K
240 min Winter	3.907	0.207	1.4	8.3	O K
360 min Winter	3.886	0.186	1.4	7.4	O K
480 min Winter	3.866	0.166	1.3	6.6	O K
600 min Winter	3.849	0.149	1.2	6.0	O K
720 min Winter	3.834	0.134	1.1	5.4	O K
960 min Winter	3.811	0.111	1.0	4.4	O K
1440 min Winter	3.782	0.082	0.8	3.3	O K
2160 min Winter	3.760	0.060	0.7	2.4	O K
2880 min Winter	3.751	0.051	0.6	2.1	O K
4320 min Winter	3.743	0.043	0.4	1.7	O K
5760 min Winter	3.738	0.038	0.3	1.5	O K
7200 min Winter	3.735	0.035	0.3	1.4	O K
8640 min Winter	3.732	0.032	0.3	1.3	O K
10080 min Winter	3.730	0.030	0.2	1.2	O K
Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Discharge Volume (m³)	Time-Peak (mins)	
60 min Winter	12.227	0.0	11.0	52	
120 min Winter	7.783	0.0	14.0	88	
180 min Winter	5.952	0.0	16.0	126	
240 min Winter	4.917	0.0	17.7	162	
360 min Winter	3.727	0.0	20.1	232	
480 min Winter	3.055	0.0	21.9	298	
600 min Winter	2.619	0.0	23.5	362	
720 min Winter	2.309	0.0	24.9	426	
960 min Winter	1.894	0.0	27.2	548	
1440 min Winter	1.433	0.0	30.9	782	
2160 min Winter	1.083	0.0	35.0	1128	
2880 min Winter	0.888	0.0	38.3	1496	
4320 min Winter	0.672	0.0	43.4	2204	
5760 min Winter	0.552	0.0	47.6	2944	
7200 min Winter	0.474	0.0	51.1	3616	
8640 min Winter	0.417	0.0	53.9	4408	
10080 min Winter	0.374	0.0	56.4	5144	
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