

HYDROLOGIC ANALYSIS - PEMBERWICK ROAD - GREENWICH, CT

Pemberwick Road - Subwatershed Areas

MDP - 5-27-09

	SUB-WATERSHED	Area			T _c used <i>min</i>	CN	Initial Loss <i>in</i>	Lag Time <i>hr</i>	Peak Rate of Runoff <i>10-Yr</i>
		<i>sf</i>	<i>acres</i>	<i>mi²</i>					
EXISTING PEMBERWICK ROAD	1	49,707	1.14	0.0018	15	80	0.50	0.15	3.0
	2	33,914	0.78	0.0012	10	74	0.70	0.10	1.8
	3	12,882	0.30	0.0005	10	74	0.70	0.10	0.7
	4	16,349	0.38	0.0006	10	74	0.70	0.10	0.9
	5-A	46,186	1.06	0.0017	15	78	0.56	0.15	2.6
	5-B	67,436	1.55	0.0024	15	75	0.67	0.15	3.4
	6	48,684	1.12	0.0017	15	74	0.70	0.15	2.3
	7	22,609	0.52	0.0008	10	74	0.70	0.10	1.2
8	19,863	0.46	0.0007	10	79	0.53	0.10	1.2	
EXISTING BUENA VISTA DRIVE	9	182,543	4.19	0.0065	15	78	0.56	0.15	10.1
	10	472,233	10.84	0.0169	15	78	0.56	0.15	26.3
	11	215,958	4.96	0.0077	15	78	0.56	0.15	12.0
	12	82,400	1.89	0.0030	15	78	0.56	0.15	4.7
	13	106,777	2.45	0.0038	15	78	0.56	0.15	5.9
	14	63,908	1.47	0.0023	15	78	0.56	0.15	3.6
	15	96,775	2.22	0.0035	15	78	0.56	0.15	5.4

HMS * Summary of Results

Project : Pemberwick Road

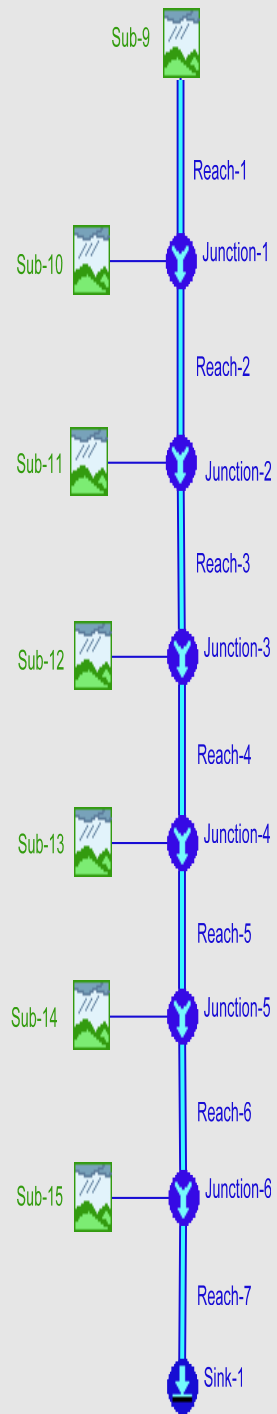
Run Name : Run 1

Start of Run : 30Mar09 0000 Basin Model : EX-PEM

End of Run : 31Mar09 0000 Met. Model : 10-yr

Execution Time : 29May09 0924 Control Specs : Control 1

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
Subbasin-1	2.9822	30 Mar 09 1211	0.27700	0.002
CB-26625	2.9822	30 Mar 09 1211	0.27700	0.002
26685	2.9822	30 Mar 09 1211	0.27700	0.002
Primary	3.1993	29 Mar 09 2400	6.3457	
26679	3.1993	29 Mar 09 2400	6.3457	0.000
Subbasin-4	0.89899	30 Mar 09 1208	0.075578	0.001
CB-26628	4.0983	30 Mar 09 1208	6.4213	0.001
26680	4.0983	30 Mar 09 1208	6.4213	0.000
Subbasin-3	0.74916	30 Mar 09 1208	0.062981	0.001
CB-26627	4.8475	30 Mar 09 1208	6.4843	0.001
26686	4.8475	30 Mar 09 1208	6.4843	0.000
Subbasin-2	1.7980	30 Mar 09 1208	0.15116	0.001
CB-26626	9.5378	30 Mar 09 1209	6.9124	0.003
26687	9.5378	30 Mar 09 1209	6.9124	0.000
Outfall-1	9.5378	30 Mar 09 1209	6.9124	0.000
Subbasin-5A	2.6437	30 Mar 09 1211	0.24552	0.002
Subbasin-5B	3.3541	30 Mar 09 1211	0.31228	0.002
Junction-4	5.9977	30 Mar 09 1211	0.55780	0.004
CB-26629	5.9977	30 Mar 09 1211	0.55780	0.004
Secondary	2.7984	29 Mar 09 2400	5.5505	
26649	2.7984	29 Mar 09 2400	5.5505	0.000
Subbasin-8	1.2459	30 Mar 09 1208	0.10446	0.001
CB-26487	1.2459	30 Mar 09 1208	0.10446	0.001
26647	1.2459	30 Mar 09 1208	0.10446	0.001
Subbasin-7	1.1987	30 Mar 09 1208	0.10077	0.001
CB-26570	2.4445	30 Mar 09 1208	0.20523	0.002
26648	2.4445	30 Mar 09 1208	0.20523	0.002
Subbasin-6	2.2925	30 Mar 09 1211	0.21394	0.002
CB-26571	7.4430	30 Mar 09 1209	5.9697	0.002
26678	7.4430	30 Mar 09 1209	5.9697	0.000
Outfall-2	7.4430	30 Mar 09 1209	5.9697	0.000



HMS * Summary of Results

Project : Pemberwick Road

Run Name : EX-BV

Start of Run : 30Mar09 0000 Basin Model : EX-BV

End of Run : 31Mar09 0000 Met. Model : 10-yr

Execution Time : 29May09 0913 Control Specs : Control 1

Hydrologic Element	Discharge Peak (cfs)	Time of Peak	Volume (ac ft)	Drainage Area (sq mi)
Sub-9	10.108	30 Mar 09 1211	0.93876	0.006
Reach-1	10.108	30 Mar 09 1211	0.93876	0.006
Sub-10	26.281	30 Mar 09 1211	2.4408	0.017
Junction-1	36.389	30 Mar 09 1211	3.3795	0.023
Reach-2	36.389	30 Mar 09 1211	3.3795	0.023
Sub-11	11.974	30 Mar 09 1211	1.1121	0.008
Junction-2	48.364	30 Mar 09 1211	4.4916	0.031
Reach-3	48.364	30 Mar 09 1211	4.4916	0.031
Sub-12	4.6653	30 Mar 09 1211	0.43327	0.003
Junction-3	53.029	30 Mar 09 1211	4.9249	0.034
Reach-4	53.029	30 Mar 09 1211	4.9249	0.034
Sub-13	5.9094	30 Mar 09 1211	0.54881	0.004
Junction-4	58.938	30 Mar 09 1211	5.4737	0.038
Reach-5	58.938	30 Mar 09 1211	5.4737	0.038
Sub-14	3.5767	30 Mar 09 1211	0.33217	0.002
Junction-5	62.515	30 Mar 09 1211	5.8058	0.040
Reach-6	62.515	30 Mar 09 1211	5.8058	0.040
Sub-15	5.4429	30 Mar 09 1211	0.50548	0.004
Junction-6	67.958	30 Mar 09 1211	6.3113	0.044
Reach-7	67.958	30 Mar 09 1211	6.3113	0.044
Sink-1	67.958	30 Mar 09 1211	6.3113	0.044