

Table A-3 - Ground Water Recharge in the Millstone Watershed Management Area

WMA 10 (HUC14)	HUC14 Area (acres)	Recharge Area (Acres)	Avg. Recharge 1986 (inches)	Avg. Recharge 1995 (inches)	Net Change Between 1986 - 1995 (inches)	Percent Change Between 1986-1995 (inches)	Avg. Recharge 1986 (Million gallons/yr)	Avg. Recharge 1995 (Million gallons/yr)	Net Change Between 1986 - 1995 (Million gallons/yr)	Percent Change Between 1986 - 1995 (Million gallons/yr)	Avg. Recharge 1995 (Million gallons/yr/acre)	Avg. Recharge 1995 (Million gallons/day/acre) in Recharge Area	Avg. Recharge 1995 (Million gallons/day/square mile) in Recharge Area
Stony Brook (02030105090)													
010	3,561.40	2,923.26	9.7	9.6	-0.12	-1.23%	773.4	763.9	-9.51	-1.23%	0.26	0.0007	0.46
020	6,174.35	4,869.24	9.7	9.7	0.001	0.01%	1,281.3	1,281.5	0.13	0.01%	0.26	0.0007	0.46
030	3,664.17	3,186.77	9.0	8.9	-0.07	-0.79%	775.7	769.5	-6.11	-0.79%	0.24	0.0007	0.42
040	3,631.36	3,345.74	8.3	8.1	-0.22	-2.61%	757.2	737.5	-19.76	-2.61%	0.22	0.0006	0.39
050	6,272.08	5,376.89	9.2	9.0	-0.14	-1.48%	1,340.0	1,320.1	-19.85	-1.48%	0.25	0.0007	0.43
060	5,153.93	4,492.77	9.0	8.7	-0.26	-2.94%	1,096.9	1,064.7	-32.21	-2.94%	0.24	0.0006	0.42
070	3,311.14	2,721.55	7.6	7.0	-0.63	-8.35%	561.2	514.3	-46.86	-8.35%	0.19	0.0005	0.33
080	3,667.97	2,615.52	7.3	5.7	-1.58	-21.63%	518.9	406.6	-112.24	-21.63%	0.16	0.0004	0.27
Millstone River above Carnegie Lake (02030105100)													
010	4,740.13	3,761.76	10.3	10.1	-0.18	-1.71%	1,051.5	1,033.5	-18.03	-1.71%	0.27	0.0008	0.48
020	4,859.39	2,541.70	8.0	7.7	-0.28	-3.57%	550.6	530.9	-19.65	-3.57%	0.21	0.0006	0.37
030	4,301.28	2,797.00	6.5	6.2	-0.24	-3.72%	492.6	474.3	-18.31	-3.72%	0.17	0.0005	0.30
040	4,429.45	3,446.97	10.0	9.8	-0.21	-2.07%	937.5	918.1	-19.39	-2.07%	0.27	0.0007	0.47
050	5,174.45	3,794.08	6.3	6.1	-0.18	-2.81%	650.5	632.2	-18.28	-2.81%	0.17	0.0005	0.29
060	4,327.65	3,436.66	7.6	7.3	-0.34	-4.46%	711.2	679.4	-31.74	-4.46%	0.20	0.0005	0.35
070	6,124.22	3,727.91	7.5	7.2	-0.36	-4.79%	764.1	727.5	-36.60	-4.79%	0.20	0.0005	0.34
080	3,335.24	2,703.57	6.7	5.9	-0.79	-11.75%	494.7	436.6	-58.12	-11.75%	0.16	0.0004	0.28
090	4,780.97	4,075.29	7.5	7.0	-0.54	-7.18%	833.8	773.9	-59.85	-7.18%	0.19	0.0005	0.33
100	3,701.25	1,852.67	6.4	5.8	-0.65	-10.04%	323.7	291.2	-32.51	-10.04%	0.16	0.0004	0.28
110	6,782.29	4,609.86	7.1	6.3	-0.87	-12.20%	893.9	784.9	-109.02	-12.20%	0.17	0.0005	0.30
120	4,157.41	3,006.15	6.2	5.9	-0.27	-4.44%	505.3	482.9	-22.41	-4.44%	0.16	0.0004	0.28
130	3,771.82	3,144.34	8.4	7.6	-0.81	-9.65%	713.8	644.9	-68.90	-9.65%	0.21	0.0006	0.36
140	2,771.09	2,115.06	6.2	5.4	-0.86	-13.86%	358.0	308.3	-49.62	-13.86%	0.15	0.0004	0.26
Millstone River below and including Carnegie Lake (02030105110)													
010	5,854.67	3,896.04	8.0	7.2	-0.81	-10.20%	845.3	759.1	-86.21	-10.20%	0.19	0.0005	0.34
020	3,447.86	3,067.38	6.5	6.1	-0.37	-5.63%	542.3	511.8	-30.54	-5.63%	0.17	0.0005	0.29
030	5,135.94	4,049.44	8.9	8.0	-0.92	-10.34%	983.9	882.2	-101.70	-10.34%	0.22	0.0006	0.38
040	5,037.53	4,407.33	9.2	9.1	-0.09	-1.00%	1,097.1	1,086.1	-10.98	-1.00%	0.25	0.0007	0.43
050	6,492.60	5,604.05	10.4	10.0	-0.38	-3.70%	1,582.2	1,523.7	-58.49	-3.70%	0.27	0.0007	0.48
060	3,875.71	3,170.25	11.7	11.1	-0.60	-5.15%	1,007.1	955.3	-51.84	-5.15%	0.30	0.0008	0.53
070	2,224.10	1,960.45	9.9	9.9	0.04	0.38%	525.6	527.6	1.97	0.38%	0.27	0.0007	0.47
080	3,709.43	3,112.20	9.4	9.1	-0.31	-3.29%	797.1	770.8	-26.25	-3.29%	0.25	0.0007	0.43
090	3,337.62	2,743.78	11.1	10.5	-0.60	-5.39%	827.0	782.4	-44.58	-5.39%	0.29	0.0008	0.50
100	7,134.71	6,128.46	10.5	10.0	-0.51	-4.86%	1,741.7	1,657.1	-84.60	-4.86%	0.27	0.0007	0.47
110	8,829.51	7,287.86	10.8	10.2	-0.60	-5.58%	2,136.6	2,017.4	-119.19	-5.58%	0.28	0.0008	0.49
120	6,836.90	5,598.89	7.9	7.3	-0.61	-7.68%	1,201.1	1,108.8	-92.29	-7.68%	0.20	0.0005	0.35
130	3,472.28	2,987.41	10.1	9.9	-0.25	-2.46%	822.9	802.6	-20.23	-2.46%	0.27	0.0007	0.47
140	3,103.61	2,469.23	10.5	10.3	-0.19	-1.85%	703.3	690.3	-13.02	-1.85%	0.28	0.0008	0.49
150	5,641.98	4,786.61	9.1	8.6	-0.48	-5.27%	1,179.5	1,117.3	-62.14	-5.27%	0.23	0.0006	0.41
160	4,926.01	3,994.36	7.6	7.2	-0.39	-5.18%	820.7	778.2	-42.53	-5.18%	0.19	0.0005	0.34
170	4,392.16	3,169.36	10.0	9.9	-0.13	-1.30%	864.8	853.5	-11.25	-1.30%	0.27	0.0007	0.47

Source: Upper Raritan Watershed Association, August 2001