

STANDARD - NO BMPS Tiverton/Little Compton

		Study Area Land Use Indicators							Riparian Indicators					Estimated Nutrien	
Study Area	Scenario	Acres	% Sewer	% High Intensity Land Use	% Im-pervious	% Forest	% Wetland	% Forest & wetland	RIP % HILU	RIP%Im-pervious	RIP % Forest	RIP % Wetland	RIP % Forest and Wetland	NO3N in GW Recharge mg/l	NO3N to GW recharge lbs/ac/yr
Nonquit Pond	Current Land Use	4392	0%	9%	4%	37%	28%	66%	7%	2%	17%	62%	80%	2.3	7.0
Stafford Pond	Current Land Use	1296	0%	8%	6%	34%	8%	42%	18%	4%	42%	25%	67%	4.1	5.3
Watson Pond	Current Land Use	2290	0%	16%	3%	18%	26%	44%	4%	1%	30%	52%	82%	6.6	11.6

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Study Area	Scenario	Acres	% Sewer	% High Intensity Land Use	% Im-pervious	% Forest	% Wetland	% Forest & wetland	RIP % HILU	RIP%Im-pervious	RIP % Forest	RIP % Wetland	RIP % Forest and Wetland	NO3N in GW Recharge mg/l	NO3N to GW recharge lbs/ac/yr
Nonquit Pond	Future Land Use	4395	0%	6%	6%	15%	28%	43%	7%	3%	14%	61%	74%	2.0	6.0
Stafford Pond	Future Land Use	1297	0%	13%	12%	14%	8%	23%	18%	4%	25%	25%	50%	8.6	7.4
Watson Pond	Future Land Use	2290	0%	5%	5%	15%	26%	41%	4%	1%	29%	55%	84%	2.7	5.4

STANDARD - NO BM

		Nit Loading		Estimated Nitrate-N sources to grw recharge							SOILS hydrologic groups					
Study Area	Scenario	N SW runoff lbs/ac/yr	Total N to study area lbs/ac/yr	% N in SW runoff from Atm.	P to SW lbs/ac/yr	Septic Systems	Lawn Fert.	Agri. Fert	Pet Waste	Other	% A	% B	% C	% D	%SHWT <1.5-3.5'	
Nonquit Pond	Current Land Use	4.6	11.6	8.4%	0.5	22%	5%	63%	1%	8%	5%	12%	67%	17%	42.0%	
Stafford Pond	Current Land Use	5.2	10.5	58.0%	0.5	73%	9%	5%	4%	9%	0%	9%	87%	4%	17.9%	
Watson Pond	Current Land Use	8.2	19.8	16.4%	0.8	8%	3%	85%	0%	3%	0%	1%	70%	29%	50.9%	

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		Nit Loading		Estimated Nitrate-N sources to grw recharge							SOILS hydrologic groups					
Study Area	Scenario	N SW runoff lbs/ac/yr	Total N to study area lbs/ac/yr	% N in SW runoff from Atm.	P to SW lbs/ac/yr	Septic Systems	Lawn Fert.	Agri. Fert	Pet Waste	Other	% A	% B	% C	% D	%SHWT <1.5-3.5'	
Nonquit Pond	Future Land Use	3.4	9.4	11.3%	0.6	44%	16%	33%	3%	5%	5%	12%	67%	17%	42.0%	
Stafford Pond	Future Land Use	5.6	13.0	54.0%	0.8	80%	13%	0%	4%	3%	0%	9%	87%	4%	17.9%	
Watson Pond	Future Land Use	4.7	10.1	28.9%	0.6	26%	14%	54%	2%	5%	0%	1%	70%	29%	50.9%	

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		SWAP					Estimated Water Budget / Runoff / Recharge								
Study Area	Scenario	%SHWT 1.5'-3.5'	%Restr.C, .2"/hr	% Erode	HILU on A soil	HILU on HWT <3.5'	# ISDS	ISDS /Acre	Precip Inches	ET Inches	Avail. Precip Inches	SW runoff Inches	Net recharge Precip. Inches	ISDS recharge Inches	SW runoff % avail.
Nonquit Pond	Current Land Use	11%	53%	45%	0%	2%	438	0.10	42	21	21	7.6	13.4	0.2	36%
Stafford Pond	Current Land Use	9%	46%	24%	0%	2%	320	0.25	42	21	21	15.7	5.3	0.4	75%
Watson Pond	Current Land Use	12%	56%	32%	0%	5%	189	0.08	42	21	21	13.4	7.6	0.1	64%

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		SWAP					Estimated Water Budget / Runoff / Recharge								
Study Area	Scenario	%SHWT 1.5'-3.5'	%Restr.C, .2"/hr	% Erode	HILU on A soil	HILU on HWT <3.5'	# ISDS	ISDS /Acre	Precip Inches	ET Inches	Avail. Precip Inches	SW runoff Inches	Net recharge Precip. Inches	ISDS recharge Inches	SW runoff % avail.
Nonquit Pond	Future Land Use	11%	53%	45%	0%	2%	729	0.17	42	21	21	7.9	13.1	0.3	38%
Stafford Pond	Future Land Use	9%	47%	24%	0%	3%	490	0.38	42	21	21	17.8	3.2	0.6	85%
Watson Pond	Future Land Use	12%	56%	32%	0%	2%	282	0.12	42	21	21	12.3	8.7	0.1	59%

STANDARD - NO BM

Study Area	Scenario	GW recharge % avail	Precip Mgal/yr	ET Mgal/yr	Avail. Precip Mgal/yr	surface runoff Mgal/yr	Avg.net recharge precip. Mgal/yr	ISDS recharge Mgal/yr	If 100% forested surface runoff Mgal/yr	Lost recharge from 100% forested Mgal/yr
Nonquit Pond	Current Land Use	64%	5009	2505	2505	904	1,600	20	561	344
Stafford Pond	Current Land Use	25%	1477	739	739	552	186	15	617	(65)
Watson Pond	Current Land Use	36%	2612	1306	1306	831	475	6	604	228

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Study Area	Scenario	GW recharge % avail	Precip Mgal/yr	ET Mgal/yr	Avail. Precip Mgal/yr	surface runoff Mgal/yr	Avg.net recharge precip. Mgal/yr	ISDS recharge Mgal/yr	If 100% forested surface runoff Mgal/yr	Lost recharge from 100% forested Mgal/yr
Nonquit Pond	Future Land Use	62%	5012	2506	2506	946	1,560	33	561	385
Stafford Pond	Future Land Use	15%	1479	739	739	627	112	22	618	10
Watson Pond	Future Land Use	41%	2612	1306	1306	766	540	9	604	163