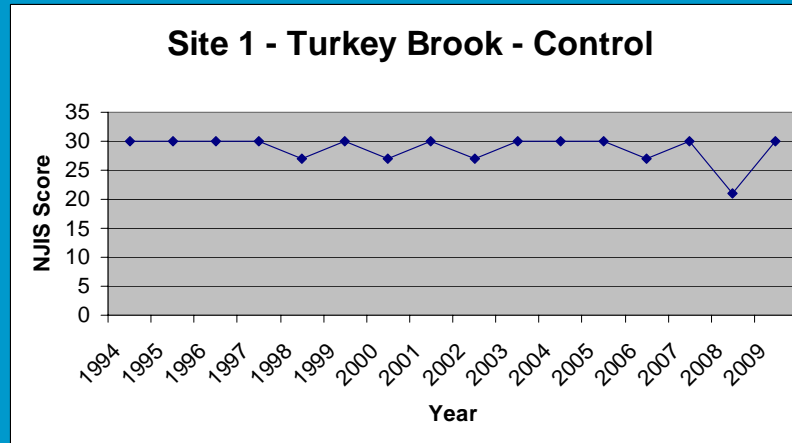


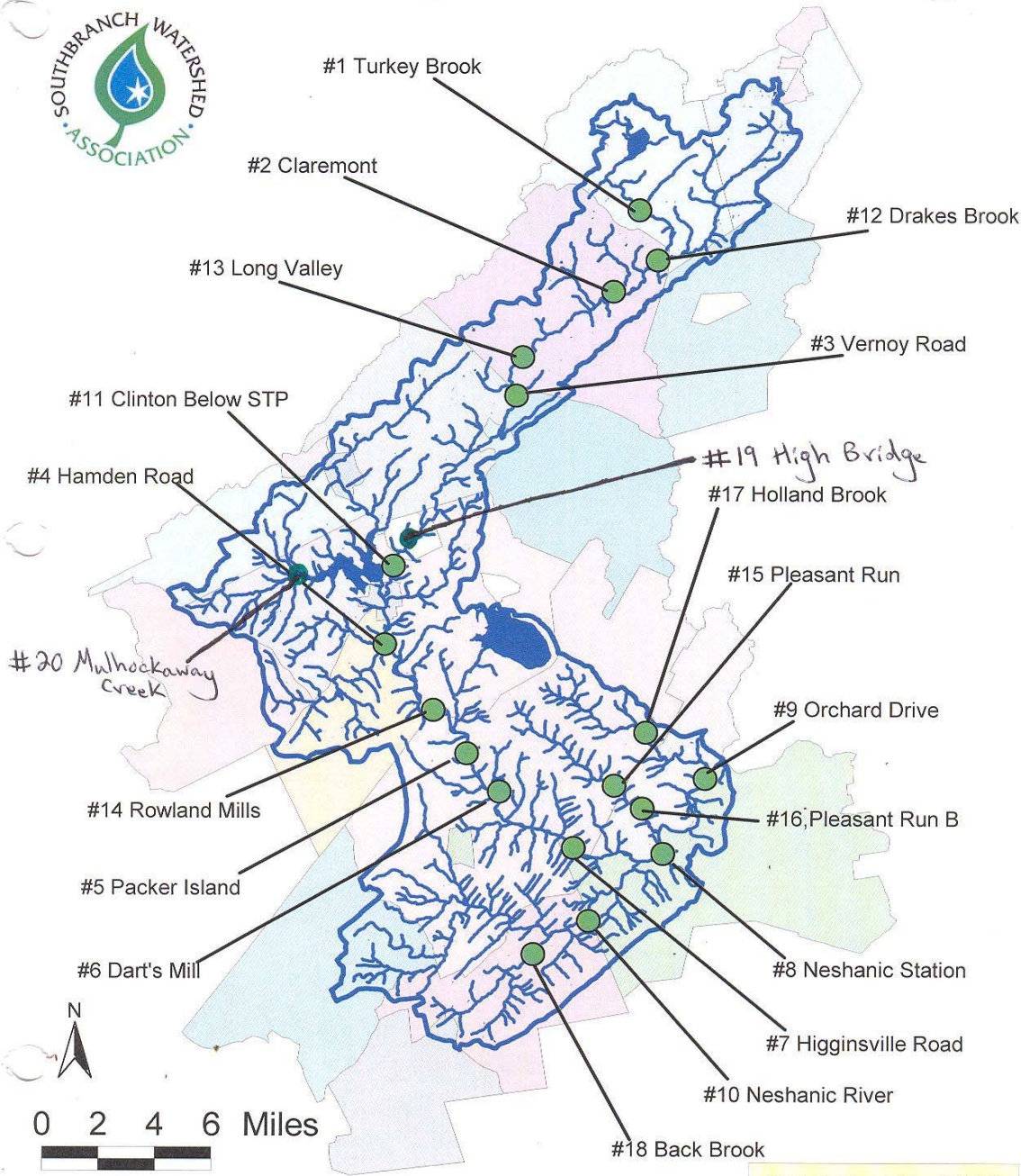


# SBWA Volunteer Monitoring Program





# SBWA Volunteer Monitoring









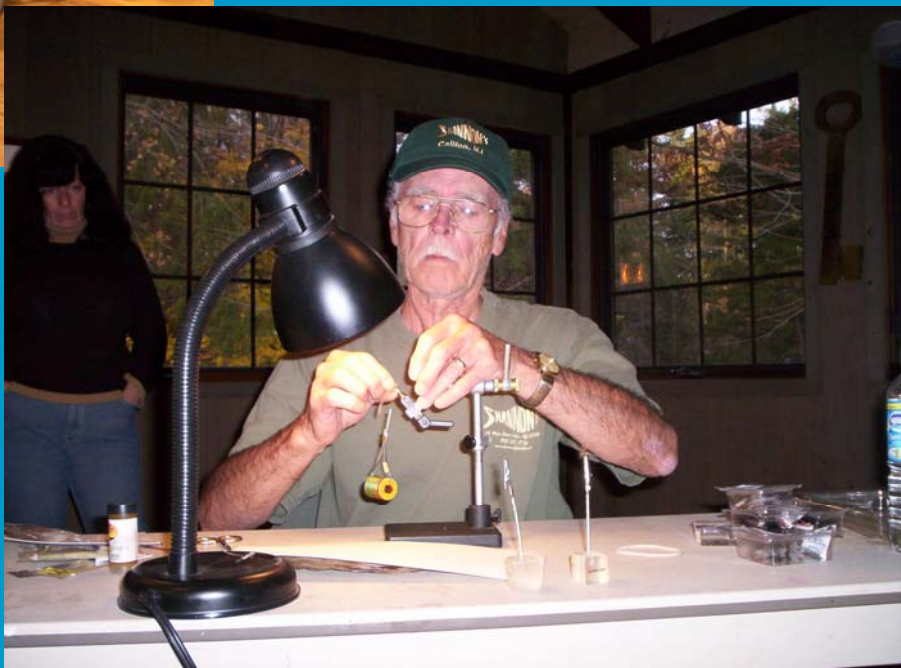
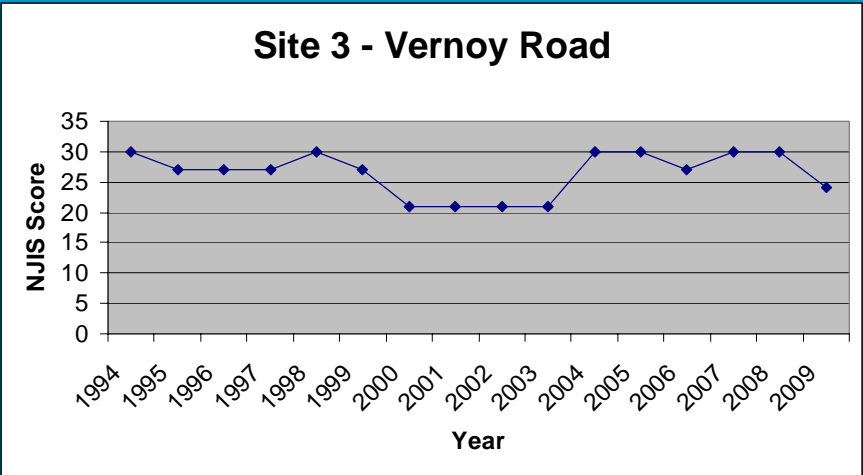
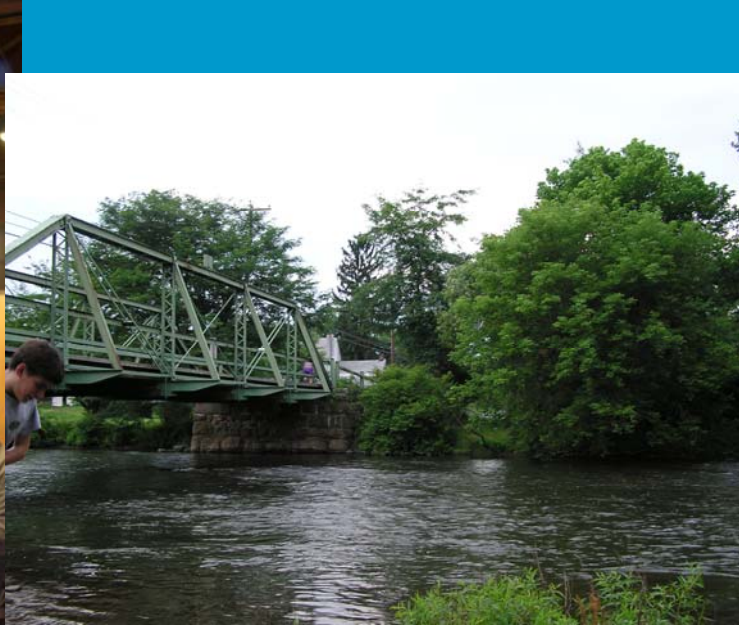


**Benthic Macroinvertebrates collected from the South Branch Raritan River Basin**

**by the South Branch Watershed Association.**

Location:		Site # 1 (Turkey Brook)						
Sample Date:		5 July 2009						
Sample Type:		Travelling Kick (US EPA RBP III: 100-specimen subsample)						
Taxon	Tolerance		Common	Number of	Number of	Percent	prod	prod
	Index	(genus/sp.)						
	(family)		Name	(family)	(genus/sp.)	(family)		
Lumbriculida							0	0
Lumbriculidae	8			4		3.6%	32	0
<i>Stylogrilus heringianus</i>		8	earthworm		4		0	32
Basommatophora							0	0
Ancylidae	7			1		0.9%	7	0
<i>Ferrissia rivularis</i>		7	limpet snail		1		0	7
Ephemeroptera							0	0
Heptageniidae	3			2		1.8%	6	0
<i>Maccaffertium sp.</i>		3	mayfly		2		0	6
Odonata							0	0
Gomphidae	1			1		0.9%	1	0
<i>Ophiogomphus sp.</i>		1	dragonfly		1		0	1
Plecoptera							0	0
Leuctridae	0			2		1.8%	0	0
<i>Leuctra sp.</i>		0	stonefly		2		0	0
Perlidae	1			3		2.7%	3	0
<i>Acroneuria abnormis</i>		0	stonefly		3		0	0
Pteronarcyidae	0			1		0.9%	0	0
<i>Pteronarcys dorsata</i>		0	stonefly		1		0	0
Megaloptera							0	0
Corydalidae	2			3		2.7%	6	0
<i>Nigronia serricornis</i>		2	fishfly		3		0	6
Trichoptera							0	0
Glossosomatidae	0			1		0.9%	0	0
<i>Glossosoma sp.</i>		0	caddisfly		1		0	0
Hydropsychidae	4			35		31.5%	140	0
<i>Cheumatopsyche sp.</i>		5	caddisfly		30		0	150
<i>Diplectrona modesta</i>		0	caddisfly		1		0	0
<i>Hydropsyche bronta</i>		6	caddisfly		3		0	18
<i>Hydropsyche slossinae</i>		6	caddisfly		1		0	6
Philopotamidae	4			2		1.8%	8	0
<i>Chimarra aterrima</i>		4	caddisfly		1		0	4
<i>Dolophilodes sp.</i>		0	caddisfly		1		0	0
Limnephilidae	4			4		3.6%	16	0
<i>Pycnopsyche sp.</i>		4	caddisfly		4		0	16
Uenoidae	3			1		0.9%	3	0
<i>Neophylax sp.</i>		3	caddisfly		1		0	3
Coleoptera							0	0
Elmidae	4			14		12.6%	56	0
<i>Optioservus sp.</i>		4	riffle beetle		9		0	36
<i>Oulimnius latiusculus</i>		5	riffle beetle		2		0	10
<i>Stenelmis crenata gr.</i>		5	riffle beetle		3		0	15
Diptera							0	0
Chironomidae	6			30		27.0%	180	0
<i>Diamesa sp.</i>		5	midge		1		0	5
<i>Microtendiptes pedellus gr.</i>		6	midge		1		0	6
<i>Parametrioctenemus sp.</i>		5	midge		7		0	35
<i>Polypedilum flavum</i>		6	midge		8		0	48
<i>Pseudochironomus sp.</i>		5	midge		1		0	5
<i>Rheotanytarsus sp.</i>		6	midge		3		0	18
<i>Tanytarsus sp.</i>		6	midge		8		0	48
<i>Thienemannimyia gr.</i>		6	midge		1		0	6
Simuliidae	6			3		2.7%	18	0





# South Branch Raritan River

## 12-Year Trend (1994-2005) in Water Quality Using Macroinvertebrate Data



Prepared for :  
Jim Kurtenbach,  
U.S. EPA Region 2  
Contract #68-C-04-006, T&A 3-15

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**Thank  
you!!!!**

