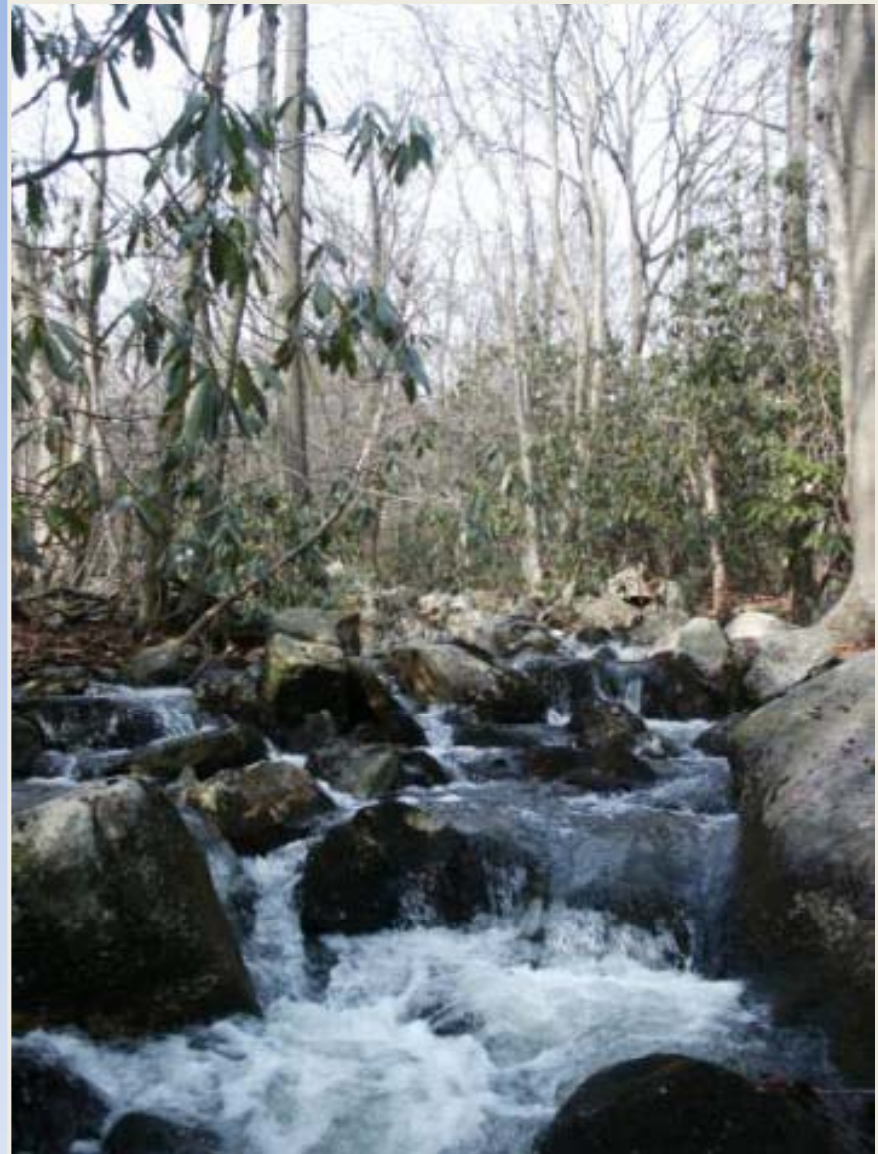


Pennsylvania's Chesapeake Bay Non-Tidal Network Water Quality Stations

2012 Monitoring Update





*Pennsylvania's monitoring is a collaboration
between PA DEP, SRBC, and USGS.*



PA 2012 Monitoring Stations

32 primary
stations from
2011

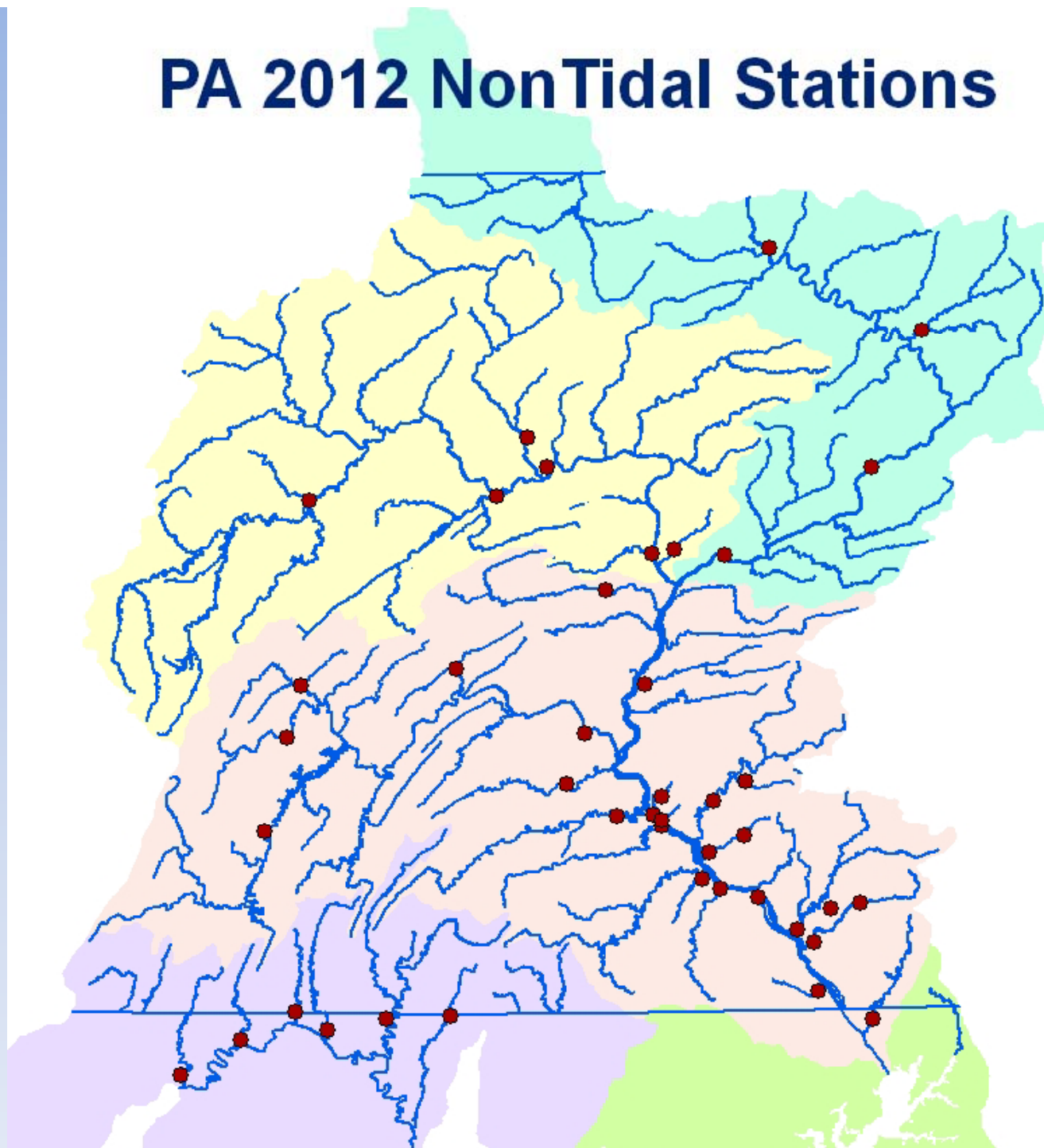
WQN	USGS GAUGE	STATION NAME	STATION TYPE	COLLECTOR	PERIOD OF RECORD
201	01576000	Susquehanna Rvr @ Marietta	Primary	SRBC	10/2004
204	01576787	Pequea Crk	Primary	SRBC	10/2004
210	01574000	W Conewago Crk	Primary	SRBC	10/2004
212	01571500	Yellow Breeches	Primary	USGS	10/2004
214	01567000	Juniata Rvr	Primary	SRBC	10/2004
217	01558000	Little Juniata Rvr	Primary	USGS	10/2010
223	01562000	Raystown Br Juniata	Primary	SRBC	10/2004
224	01556000	Frankstown Br Juniata	Primary	USGS	10/2010
229	01555000	Penns Crk	Primary	SRBC	10/2004
243	01568000	Sherman Crk	Primary	SRBC	10/2004
263	01578475	Octoraro Crk	Primary	SRBC	11/2005
269	01573710	Conewago Crk - Falmouth	Primary	USGS	5/2011
271	01570000	Conodoguinet Crk	Primary	SRBC	10/2004
272	01573560	Swatara Crk	Primary	SRBC	10/2004
273	01576754	Conestoga Rvr	Primary	SRBC	10/2004
278	01573695	Conewago Crk - Bellaire	Primary	USGS	10/2011
280	015765195	Big Spring Run	Primary	USGS	10/2011
301	01540500	Susquehanna Rvr - Danville	Primary	SRBC	10/2004
302	01536500	Susquehanna Rvr - Wilkes-Barre	Primary	SRBC	10/2004
305	01531500	Susquehanna Rvr - Towanda	Primary	SRBC	10/2004
317	01534000	Tunkhannock Crk	Primary	USGS	4/2008
401	01553500	W Br Susquehanna Rvr - Lewisburg	Primary	SRBC	10/2004
404	01542500	W Br Susquehanna Rvr - Karthaus	Primary	SRBC	10/2004
410	01549700	Pine Crk - Waterville	Primary	USGS	5/2008
445	01548005	Bald Eagle Crk	Primary	SRBC	10/2004
448	01549760	W Br Susquehanna Rvr - Jersey Shore	Primary	SRBC	10/2004
501	01614500	Conococheague Crk	Primary	DEP	11/2004
509	01613525	Licking Crk	Primary	DEP	12/2004
510	01613095	Tonoloway Crk	Primary	DEP	4/2005
511	01619000	Antietam Crk	Primary	DEP	3/2005
512	01610155	Sideling Hill Crk	Primary	DEP	11/2004
513	01609000	Town Crk	Primary	DEP	10/2006

PA 2012 Monitoring Stations

- 10 new 2012 primary stations
- totaling 42 2012 stations

WQN	USGS GAUGE	STATION NAME	STATION TYPE	COLLECTOR	PERIOD OF RECORD
202	01570500	Susquehanna Rvr @ Hburg	Primary	USGS	10/2012
226	01555500	Mahantango Crk	Primary	SRBC	1/2012
259	01577500	Muddy Crk	Primary	USGS	11/2012
281	01571000	Paxton Crk	Primary	SRBC	1/2012
282	01565000	Kishacoquillas Crk	Primary	SRBC	1/2012
283	?	Spring Crk	Primary	USGS	11/2012
284	01576789	Pequea Crk	Primary	USGS	11/2012
285	01573160	Quittapahila	Primary	USGS	11/2012
286	01575585	Codorus Creek	Primary	USGS	11/2012
462	01553850	Chillisquaque Crk	Primary	USGS	11/2012

PA 2012 NonTidal Stations



2012 Sampling Summary

WQN	USGS GAUGE	STATION NAME	2012 Routine Sample Goal	# Routine Samples Collected	2012 Storm Sample Goal	# Storm Samples Collected	# QA Samples	Total # of Samples Collected
201	01576000	Susquehanna Rvr @ Marietta	12	12	8	9	0	21
202	01570500	Susquehanna Rvr @ Hburg	3	3	1	---	0	3
204	01576787	Pequea Crk	12	12	8	9	0	21
210	01574000	W Conewago Crk	12	12	8	9	1	22
212	01571500	Yellow Breeches	12	12	8	9	0	21
214	01567000	Juniata Rvr	12	12	8	9	0	21
217	01558000	Little Juniata Rvr	12	12	8	8	0	20
223	01562000	Raystown Br Juniata	12	12	8	8	1	21
224	01556000	Frankstown Br Juniata	12	12	8	8	0	20
226	01555500	Mahantango Crk	12	12	8	10	1	23
229	01555000	Penns Crk	12	12	8	9	1	22
243	01568000	Sherman Crk	12	12	8	9	1	22
259	01577500	Muddy Crk	2	2	1	---	0	2
263	01578475	Octoraro Crk	12	12	8	7	2	21
269	01573710	Conewago Crk - Falmouth	12	12	8	8	0	20
271	01570000	Conodoguinet Crk	12	12	8	9	1	22
272	01573560	Swatara Crk	12	12	8	10	0	22
273	01576754	Conestoga Rvr	12	12	8	9	0	21
278	01573695	Conewago Crk - Bellaire	12	12	8	9	0	21
280	015765195	Big Spring Run	12	12	8	7	0	19
281	01571000	Paxton Crk	12	12	8	10	0	22
282	01565000	Kishacoquillas Crk	12	12	8	8	1	21

2012 Sampling Summary continued

WQN	USGS GAUGE	STATION NAME	2012 Routine Sample Goal	# Routine Samples Collected	2012 Storm Sample Goal	# Storm Samples Collected	# QA Samples	Total # of Samples Collected
283	?	Spring Crk	2	2	1	---	0	2
284	01576789	Pequea Crk	2	2	1	---	0	2
285	01573160	Quittapahila	2	2	1	---	0	2
286	01575585	Codorus Creek	2	2	1	---	0	2
301	01540500	Susquehanna Rvr - Danville	12	12	8	10	0	22
302	01536500	Susquehanna Rvr - Wilkes-Barre	12	12	8	11	2	25
305	01531500	Susquehanna Rvr - Towanda	12	12	8	7	0	19
317	01534000	Tunkhannock Crk	12	12	8	2	0	14
401	01553500	W Br Susquehanna Rvr - Lewisburg	12	12	8	9	1	22
404	01542500	W Br Susquehanna Rvr - Karthaus	12	12	8	8	0	20
410	01549700	Pine Crk - Waterville	12	12	8	5	0	17
445	01548005	Bald Eagle Crk	12	12	8	9	0	21
462	01553850	Chillisquaque Crk	2	2	1	---	0	2
448	01549760	W Br Susquehanna Rvr - Jersey Shore	12	12	8	8	0	20
501	01614500	Conococheague Crk	12	12	8	8	6	26
509	01613525	Licking Crk	12	12	8	8	3	23
510	01613095	Tonoloway Crk	12	12	8	8	4	24
511	01619000	Antietam Crk	12	12	8	8	4	24
512	01610155	Sideling Hill Crk	12	12	8	8	4	24
513	01609000	Town Crk	12	12	8	8	4	24

Parameters Analyzed at Non-Tidal Stations

- | | |
|--|--|
| <ul style="list-style-type: none">• Nitrogen, Total and Dissolved• Ammonia, Total and Dissolved• Nitrate + Nitrite, Total and Dissolved• Phosphorus, Total and Dissolved• Orthophosphorus, Total and Dissolved• Total Suspended Solids• Suspended Sediment (SS, Sand, Fine)• Total Dissolved Solids• Total Organic Carbon• Iron, Total• Sulfate• Chloride | <ul style="list-style-type: none">• Nickel, Total• Calcium, Total• Copper, Total• Aluminum, Total• Manganese• Lead, Total• Zinc, Total• Magnesium, Total• pH• Alkalinity• Specific Conductivity• Hardness |
|--|--|

* pH, water temperature, dissolved oxygen, and conductivity are taken in the field

Additional Parameters

- 15 stations in the Marcellus Shale region of PA
 - Sodium, Total
 - Strontium, Total
 - Osmotic Pressure
 - Bromide
 - Boron, Total
 - Selenium, Total
 - Barium, Total
- 10 stations also gather data for the Copper Biotic Ligand Model
 - Potassium
 - Dissolved Organic Carbon
 - Sodium, Total
- 4 stations will have pesticides beginning in March

2012 Challenges

- Coordination of multiple collectors from three agencies
- Ice jams – Marietta
- Permission from property owner – Spring Creek
- Station distance from office for collecting storm samples - Tunkhannock

