

**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES**  
**SYNOPTIC ASSESSMENT OF WATER QUALITY IN THE NORTHKILL CREEK BASIN, BERKS COUNTY, PENNSYLVANIA**

The Northkill Creek is among Berks County's highest quality streams, designated as exceptional value in its headwaters and with all tributaries designated cold-water fisheries. Although detailed surveys by the Pa Fish Commission (PaFC) in 1997 and 1998 along the main stem of Northkill Creek indicated water-quality conditions meeting the exceptional value designation in headwaters reaches of Northkill Creek, water-quality degradation and only warm-water fishes were found in lower reaches near Bernville. Suburban development, sewage discharges, and poor farming practices were suggested as principal causes of watershed problems.

In July 2003, the Berks County Conservation District requested USGS assistance under the Consortium for Scientific Assistance to Watersheds for training of citizens, the design of a water-quality study, and the collection of data for a water-quality assessment. On October 15, 2003, water-quality monitoring for the watershed assessment was completed by USGS, and on October 16, 2003, aquatic ecological surveys were conducted. Monitoring at each site included field measurements of flow, water-quality, and chemical sampling. A total of 24 samples for chemical analysis were analyzed for major cations and anions, nutrients, and trace metals. Fish community surveys were completed at five of these sites.

For additional information, contact Charles Cravotta at the USGS Pennsylvania Water Science Center, 215 Limekiln Road, New Cumberland, PA 17070; 717-730-6900, (email: cravotta@usgs.gov).

**TABLE 5.**--Northkill Creek Basin project station list.

Station number	Location	Latitude	Longitude	Drainage area (mi <sup>2</sup> )
0147080755	Northkill Cr US of Unnamed Trib nr Shartlesville	40° 31' 43"	76° 07' 36"	2.38
0147080760	Northkill Cr DS of Unnamed Trib nr Shartlesville	40° 30' 59"	76° 07' 49"	4.19
0147080769	Northkill Cr ab Mollhead Cr nr Shartlesville, PA	40° 29' 24"	76° 07' 21"	5.46
0147080781	Mollhead Cr at Bloody Spring Rd nr Strausstown	40° 30' 25"	76° 09' 13"	1.58
0147080786	Mollhead Cr at Northkill Cr nr Shartlesville, PA	40° 29' 24"	76° 07' 25"	3.98
0147080787	Northkill Cr bl Mollhead Cr nr Shartlesville, PA	40° 29' 21"	76° 07' 25"	9.45
0147080789	Northkill Cr ab Wolf Cr nr Shartlesville, PA	40° 28' 56"	76° 06' 43"	9.87
0147080799	Wolf Creek at Northkill Cr near Shartlesville, PA	40° 28' 57"	76° 06' 42"	3.15
01470808	Northkill Creek bl Wolf Creek near Shartlesville	40° 28' 55"	76° 06' 40"	13.03
01470809	Northkill Creek west of Skull Hill nr Bernville	40° 27' 23"	76° 06' 58"	16.2
01470810	Northkill Creek above Bernville, PA	40° 26' 22"	76° 07' 12"	18.80
01470812	Unn Trib to Northkill Cr at SR183 at Bernville, PA	40° 26' 15"	76° 07' 01"	1.17
0147081710	Birch Cr at Boy Scout Camp nr Strausstown, PA	40° 30' 58"	76° 11' 06"	0.96
0147081719	Birch Creek at Anthony's Mill at Strausstown, PA	40° 29' 20"	76° 10' 26"	4.19
0147081725	Jackson Cr at Schubert/Mtn Rd at Strausstown, PA	40° 29' 50"	76° 11' 54"	1.27
0147081727	Jackson Creek at Strausstown, PA	40° 29' 20"	76° 11' 54"	1.72
0147081729	Jackson Cr at Anthony's Mill Dam nr Strausstown	40° 29' 19"	76° 10' 28"	2.04
0147081739	L Northkill ab Spring Cr nr New Shaefferstown, PA	40° 28' 10"	76° 08' 50"	8.58
0147081749	Spring Cr at L Northkill Cr nr New Shaefferstown	40° 28' 10"	76° 08' 47"	2.12
0147081759	L Northkill Cr ab Unn Trib nr New Shaefferstown	40° 27' 15"	76° 08' 24"	12.2
0147081769	Unn Trib to L Northkill Cr nr New Shaefferstown	40° 27' 13"	76° 08' 26"	5.98
0147081776	Unn Tr L Northkill Cr Oak Ln at New Shaefferstown	40° 27' 01"	76° 09' 25"	1.42
01470818	Little Northkill Creek near Bernville, PA	40° 26' 33"	76° 08' 23"	21.20
01470825	Northkill Cr at Bernville, PA	40° 25' 42"	76° 06' 51"	42.0

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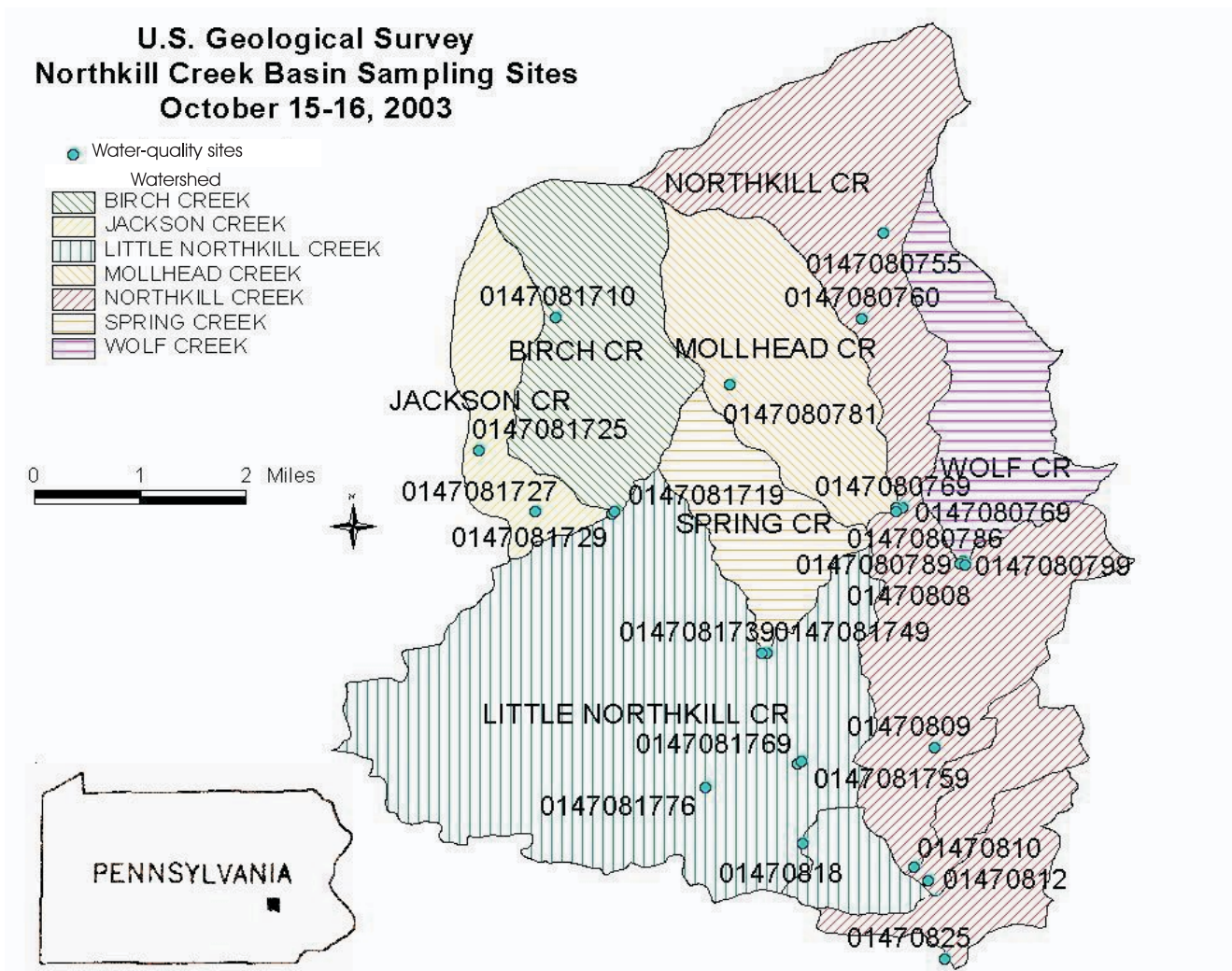


Figure 15.--Locations of sites sampled in the Northkill Creek basin, Berks County, Pennsylvania.

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

MISCELLANEOUS STATION ANALYSES

Date	Time	Agency collecting sample, code (00027)	Agency analyzing sample, code (00028)	Instantaneous discharge, cfs (00061)	Oxidation-reduction potential, mV (00090)	Turbidity, water, unfltrd field, NTU (61028)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	
0147080755 Northkill Cr US of Unnamed Trib nr Shartlesville (LAT 40 31 43N LONG 076 07 36W)											
OCT 2003	16...	1430	1028	89203	3.7	465	.0	11.1	100	6.0	5.9
0147080760 Northkill Cr DS of Unnamed Trib nr Shartlesville (LAT 40 30 59N LONG 076 07 49W)											
OCT 2003	16...	1245	1028	89203	4.7	368	.5	10.8	98	7.3	6.8
0147080769 Northkill Cr ab Mollhead Cr nr Shartlesville, PA (LAT 40 29 24N LONG 076 07 21W)											
OCT 2003	15...	1445	1028	89203	3.4	394	10	10.1	96	7.2	7.0
0147080781 Mollhead Cr at Bloody Spring Rd nr Strausstown, PA (LAT 40 30 25N LONG 076 09 13W)											
OCT 2003	15...	1715	1028	89203	2.3	299	7.5	10.6	103	7.6	7.3
0147080786 Mollhead Cr at Northkill Cr nr Shartlesville, PA (LAT 40 29 24N LONG 076 07 25W)											
OCT 2003	15...	1515	1028	89203	6.7	397	15	10.0	96	7.2	7.2
0147080787 Northkill Cr bl Mollhead Cr nr Shartlesville, PA (LAT 40 29 21N LONG 076 07 25W)											
OCT 2003	15...	1430	1028	89203	10	387	14	10.1	97	7.3	7.2
0147080789 Northkill Cr ab Wolf Cr nr Shartlesville, PA (LAT 40 28 56N LONG 076 06 43W)											
OCT 2003	15...	1330	1028	89203	16	379	12	10.2	97	7.3	7.3
0147080799 Wolf Creek at Northkill Cr near Shartlesville, PA (LAT 40 28 57N LONG 076 06 42W)											
OCT 2003	15...	1315	1028	89203	5.6	398	26	9.9	96	7.3	7.3
01470808 Northkill Creek bl Wolf Creek near Shartlesville (LAT 40 28 55N LONG 076 06 40W)											
OCT 2003	15...	1345	1028	89203	22	364	16	10.4	99	7.2	7.2
01470809 Northkill Creek west of Skull Hill nr Bernville (LAT 40 27 23N LONG 076 06 58W)											
OCT 2003	15...	1200	1028	89203	34	386	22	10.5	100	7.4	7.4
01470810 Northkill Creek above Bernville, PA (LAT 40 26 22N LONG 076 07 12W)											
OCT 2003	15...	1115	1028	89203	50	398	37	10.2	97	7.4	7.3
01470812 Unn Trib to Northkill Cr at SR183 at Bernville, PA (LAT 40 26 15N LONG 076 07 01W)											
OCT 2003	15...	1045	1028	89203	2.4	394	10	10.1	96	7.7	7.9
0147081710 Birch Cr at Boy Scout Camp nr Strausstown, PA (LAT 40 30 58N LONG 076 11 06W)											
OCT 2003	15...	1745	1028	89203	2.0	443	.9	11.0	101	5.5	5.5

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Date	Specif. conduc- tance, wat unfiltered, 25 degC (00095)	Temper- ature, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfiltered, end pt, lab, mg/L as CaCO3 (00417)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)
0147080755	Northkill Cr US of Unnamed Trib nr Shartlesville (LAT 40 31 43N LONG 076 07 36W)								
OCT 2003 16...	18	10.8	.83	.64	.36	.95	6	1.3	.02
0147080760	Northkill Cr DS of Unnamed Trib nr Shartlesville (LAT 40 30 59N LONG 076 07 49W)								
OCT 2003 16...	28	11.0	2.25	.88	.49	.94	7	1.4	<.01
0147080769	Northkill Cr ab Mollhead Cr nr Shartlesville, PA (LAT 40 29 24N LONG 076 07 21W)								
OCT 2003 15...	63	13.0	5.43	1.72	1.07	2.39	15	4.5	.07
0147080781	Mollhead Cr at Bloody Spring Rd nr Strausstown, PA (LAT 40 30 25N LONG 076 09 13W)								
OCT 2003 15...	82	13.0	8.54	3.03	1.35	2.11	16	3.2	.06
0147080786	Mollhead Cr at Northkill Cr nr Shartlesville, PA (LAT 40 29 24N LONG 076 07 25W)								
OCT 2003 15...	153	13.9	14.3	4.49	3.07	5.20	32	11.2	.10
0147080787	Northkill Cr bl Mollhead Cr nr Shartlesville, PA (LAT 40 29 21N LONG 076 07 25W)								
OCT 2003 15...	98	13.4	9.28	2.96	1.88	3.63	19	7.2	.08
0147080789	Northkill Cr ab Wolf Cr nr Shartlesville, PA (LAT 40 28 56N LONG 076 06 43W)								
OCT 2003 15...	96	13.2	8.89	2.78	2.10	3.52	21	6.6	.06
0147080799	Wolf Creek at Northkill Cr near Shartlesville, PA (LAT 40 28 57N LONG 076 06 42W)								
OCT 2003 15...	222	13.8	18.5	5.87	3.90	10.7	37	21.8	.05
01470808	Northkill Creek bl Wolf Creek near Shartlesville (LAT 40 28 55N LONG 076 06 40W)								
OCT 2003 15...	129	13.1	11.1	3.48	2.40	5.20	25	10.5	.08
01470809	Northkill Creek west of Skull Hill nr Bernville (LAT 40 27 23N LONG 076 06 58W)								
OCT 2003 15...	132	13.2	11.6	3.69	3.25	4.93	24	9.7	.09
01470810	Northkill Creek above Bernville, PA (LAT 40 26 22N LONG 076 07 12W)								
OCT 2003 15...	128	13.1	12.1	3.76	3.76	4.82	29	10.3	.08
01470812	Unn Trib to Northkill Cr at SR183 at Bernville, PA (LAT 40 26 15N LONG 076 07 01W)								
OCT 2003 15...	269	13.1	34.3	9.99	2.68	4.63	82	10.3	.08
0147081710	Birch Cr at Boy Scout Camp nr Strausstown, PA (LAT 40 30 58N LONG 076 11 06W)								
OCT 2003 15...	22	11.6	1.11	.71	.66	.53	2	1.3	.04

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Date	Sulfate water, fltrd, mg/L (00945)	Nitrate water, fltrd, mg/L as N (00618)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, µg/L (01106)	Bromine water unfltrd mg/L (71871)	Iron, water, fltrd, µg/L (01046)	Mangan- ese, water, fltrd, µg/L (01056)	Nickel, water, fltrd, µg/L (01065)	Zinc, water, fltrd, µg/L (01090)
0147080755	Northkill Cr US of Unnamed Trib nr Shartlesville (LAT 40 31 43N LONG 076 07 36W)								
OCT 2003 16...	3.9	.09	<.020	<100	<.03	10	<10	<5	8
0147080760	Northkill Cr DS of Unnamed Trib nr Shartlesville (LAT 40 30 59N LONG 076 07 49W)								
OCT 2003 16...	4.3	.09	<.020	<100	<.03	30	20	<5	9
0147080769	Northkill Cr ab Mollhead Cr nr Shartlesville, PA (LAT 40 29 24N LONG 076 07 21W)								
OCT 2003 15...	6.5	.48	<.020	<100	<.03	100	10	<5	12
0147080781	Mollhead Cr at Bloody Spring Rd nr Strausstown, PA (LAT 40 30 25N LONG 076 09 13W)								
OCT 2003 15...	8.3	1.65	<.020	<100	<.03	170	20	<5	<5
0147080786	Mollhead Cr at Northkill Cr nr Shartlesville, PA (LAT 40 29 24N LONG 076 07 25W)								
OCT 2003 15...	11.3	2.55	<.020	139	<.03	200	30	<5	25
0147080787	Northkill Cr bl Mollhead Cr nr Shartlesville, PA (LAT 40 29 21N LONG 076 07 25W)								
OCT 2003 15...	8.6	1.39	<.020	<100	<.03	120	20	<5	<5
0147080789	Northkill Cr ab Wolf Cr nr Shartlesville, PA (LAT 40 28 56N LONG 076 06 43W)								
OCT 2003 15...	8.7	1.24	<.020	<100	<.03	140	20	<5	<5
0147080799	Wolf Creek at Northkill Cr near Shartlesville, PA (LAT 40 28 57N LONG 076 06 42W)								
OCT 2003 15...	15.5	4.07	.040	<100	<.03	140	40	<5	<5
01470808	Northkill Creek bl Wolf Creek near Shartlesville (LAT 40 28 55N LONG 076 06 40W)								
OCT 2003 15...	10.3	2.00	<.020	<100	<.03	140	20	<5	<5
01470809	Northkill Creek west of Skull Hill nr Bernville (LAT 40 27 23N LONG 076 06 58W)								
OCT 2003 15...	10.7	1.77	.020	122	<.03	170	20	<5	7
01470810	Northkill Creek above Bernville, PA (LAT 40 26 22N LONG 076 07 12W)								
OCT 2003 15...	10.6	1.67	<.020	147	<.03	200	20	<5	15
01470812	Unn Trib to Northkill Cr at SR183 at Bernville, PA (LAT 40 26 15N LONG 076 07 01W)								
OCT 2003 15...	17.2	3.65	<.020	<100	<.03	40	30	<5	<5
0147081710	Birch Cr at Boy Scout Camp nr Strausstown, PA (LAT 40 30 58N LONG 076 11 06W)								
OCT 2003 15...	4.8	.26	<.020	123	<.03	20	80	<5	17

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Date	Time	Agency col- lecting sample, code (00027)	Agency ana- lyzing sample, code (00028)	Instan- taneous dis- charge, cfs (00061)	Oxi- dation re- duction poten- tial, mV (00090)	Tur- bidity, water, unfltrd field, NTU (61028)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	
0147081719 Birch Creek at Anthony's Mill at Strausstown, PA (LAT 40 29 20N LONG 076 10 26W)											
OCT 2003	15...	1415	1028	89203	7.9	305	8.0	11.1	107	7.9	7.5
0147081725 Jackson Cr at Schubert/Mtn Rd at Strausstown, PA (LAT 40 29 50N LONG 076 11 54W)											
OCT 2003	15...	1615	1028	89203	2.5	317	23	10.3	102	7.8	7.3
0147081727 Jackson Creek at Strausstown, PA (LAT 40 29 20N LONG 076 11 17W)											
OCT 2003	15...	1530	1028	89203	4.0	316	14	9.8	94	7.0	7.2
0147081729 Jackson Cr at Anthony's Mill Dam nr Strausstown (LAT 40 29 19N LONG 076 10 28W)											
OCT 2003	15...	1445	1028	89203	5.3	300	27	10.6	103	7.8	7.5
0147081739 L Northkill ab Spring Cr nr New Shaefferstown, PA (LAT 40 28 10N LONG 076 08 50W)											
OCT 2003	15...	1330	1028	89203	18	310	14	11.2	108	7.8	7.6
0147081749 Spring Cr at L Northkill Cr nr New Shaefferstown (LAT 40 28 10N LONG 076 08 47W)											
OCT 2003	15...	1300	1028	89203	3.0	313	38	10.9	107	7.7	7.5
0147081759 L Northkill Cr ab Unn Trib nr New Shaefferstown (LAT 40 27 15N LONG 076 08 24W)											
OCT 2003	15...	1200	1028	89203	27	314	18	11.2	108	7.8	7.4
0147081769 Unn Trib to L Northkill Cr nr New Shaefferstown (LAT 40 27 13N LONG 076 08 26W)											
OCT 2003	15...	1230	1028	89203	10	316	32	10.9	105	7.7	7.3
0147081776 Unn Tr L Northkill Cr Oak Ln at New Shaefferstown (LAT 40 27 01N LONG 076 09 25W)											
OCT 2003	15...	1115	1028	89203	2.5	318	15	10.4	99	7.8	7.4
01470818 Little Northkill Creek near Bernville, PA (LAT 40 26 33N LONG 076 08 23W)											
OCT 2003	15...	1000	1028	89203	56	329	32	10.2	96	8.0	7.6
01470825 Northkill Cr at Bernville, PA (LAT 40 25 42N LONG 076 06 51W)											
OCT 2003	15...	0915	1028	89203	118	414	66	9.7	92	7.3	7.4

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Date	Specif. conduc- tance, wat unf 25 degC (00095)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)
0147081719 Birch Creek at Anthony's Mill at Strausstown, PA (LAT 40 29 20N LONG 076 10 26W)									
OCT 2003 15...	175	13.2	14.3	4.30	2.47	9.22	33	21.8	.08
0147081725 Jackson Cr at Schubert/Mtn Rd at Strausstown, PA (LAT 40 29 50N LONG 076 11 54W)									
OCT 2003 15...	109	13.0	10.6	2.40	1.25	5.56	24	8.7	.10
0147081727 Jackson Creek at Strausstown, PA (LAT 40 29 20N LONG 076 11 17W)									
OCT 2003 15...	177	13.5	16.7	4.55	2.36	8.18	39	14.9	.09
0147081729 Jackson Cr at Anthony's Mill Dam nr Strausstown (LAT 40 29 19N LONG 076 10 28W)									
OCT 2003 15...	168	14.0	15.7	4.19	3.31	7.67	37	15.7	.08
0147081739 L Northkill ab Spring Cr nr New Shaefferstown, PA (LAT 40 28 10N LONG 076 08 50W)									
OCT 2003 15...	174	13.8	15.2	4.68	3.26	7.80	34	17.2	.08
0147081749 Spring Cr at L Northkill Cr nr New Shaefferstown (LAT 40 28 10N LONG 076 08 47W)									
OCT 2003 15...	200	14.5	19.5	6.48	4.15	4.85	37	26.0	.07
0147081759 L Northkill Cr ab Unn Trib nr New Shaefferstown (LAT 40 27 15N LONG 076 08 24W)									
OCT 2003 15...	173	13.4	15.6	4.83	3.91	6.94	39	16.3	.08
0147081769 Unn Trib to L Northkill Cr nr New Shaefferstown (LAT 40 27 13N LONG 076 08 26W)									
OCT 2003 15...	186	13.4	16.4	6.24	6.60	5.73	35	14.2	.07
0147081776 Unn Tr L Northkill Cr Oak Ln at New Shaefferstown (LAT 40 27 01N LONG 076 09 25W)									
OCT 2003 15...	210	13.1	19.6	8.45	3.96	5.31	36	11.2	.04
01470818 Little Northkill Creek near Bernville, PA (LAT 40 26 33N LONG 076 08 23W)									
OCT 2003 15...	176	12.8	15.7	5.27	5.26	6.32	47	23.1	.07
01470825 Northkill Cr at Bernville, PA (LAT 40 25 42N LONG 076 06 51W)									
OCT 2003 15...	164	13.0	15.6	4.77	4.73	5.68	37	13.1	.06

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Date	Sulfate water, fltrd, mg/L (00945)	Nitrate water, fltrd, mg/L as N (00618)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Alum- inum, water, fltrd, µg/L (01106)	Bromine water unfltrd mg/L (71871)	Iron, water, fltrd, µg/L (01046)	Mangan- ese, water, fltrd, µg/L (01056)	Nickel, water, fltrd, µg/L (01065)	Zinc, water, fltrd, µg/L (01090)
0147081719	Birch Creek at Anthony's Mill at Strausstown, PA (LAT 40 29 20N LONG 076 10 26W)								
OCT 2003 15...	13.1	1.64	.020	<100	<.03	100	10	<5	<5
0147081725	Jackson Cr at Schubert/Mtn Rd at Strausstown, PA (LAT 40 29 50N LONG 076 11 54W)								
OCT 2003 15...	9.1	.57	.050	<100	<.03	190	10	<5	7
0147081727	Jackson Creek at Strausstown, PA (LAT 40 29 20N LONG 076 11 17W)								
OCT 2003 15...	13.3	2.54	.030	<100	<.03	180	20	<5	5
0147081729	Jackson Cr at Anthony's Mill Dam nr Strausstown (LAT 40 29 19N LONG 076 10 28W)								
OCT 2003 15...	12.2	1.58	.070	109	<.03	250	40	<5	<5
0147081739	L Northkill ab Spring Cr nr New Shaefferstown, PA (LAT 40 28 10N LONG 076 08 50W)								
OCT 2003 15...	13.0	2.46	.020	<100	<.03	140	20	<5	<5
0147081749	Spring Cr at L Northkill Cr nr New Shaefferstown (LAT 40 28 10N LONG 076 08 47W)								
OCT 2003 15...	13.4	5.91	<.020	<100	<.03	160	80	<5	6
0147081759	L Northkill Cr ab Unn Trib nr New Shaefferstown (LAT 40 27 15N LONG 076 08 24W)								
OCT 2003 15...	12.9	2.61	.040	119	<.03	180	20	<5	<5
0147081769	Unn Trib to L Northkill Cr nr New Shaefferstown (LAT 40 27 13N LONG 076 08 26W)								
OCT 2003 15...	14.4	3.71	.030	368	<.03	270	40	<5	11
0147081776	Unn Tr L Northkill Cr Oak Ln at New Shaefferstown (LAT 40 27 01N LONG 076 09 25W)								
OCT 2003 15...	15.8	4.77	<.020	<100	<.03	80	60	<5	<5
01470818	Little Northkill Creek near Bernville, PA (LAT 40 26 33N LONG 076 08 23W)								
OCT 2003 15...	13.2	2.77	.070	114	<.03	180	20	<5	9
01470825	Northkill Cr at Bernville, PA (LAT 40 25 42N LONG 076 06 51W)								
OCT 2003 15...	12.0	1.93	.050	165	<.03	220	30	<5	12



**ANALYSIS OF SAMPLES COLLECTED AT SPECIAL-STUDY SITES  
SYNOPTIC ASSESSMENT OF WATER QUALITY IN THE NORTHKILL CREEK BASIN, BERKS COUNTY, PENNSYLVANIA**

Fish species identified during ecological surveys of Northkill Creek, October 16, 2003

Taxa		Birch Creek		Northkill Creek		
ORDER	Common name	0147081710	0147081719	0147080755	0147080760	01470809
Family						
<i>Genus species</i>						
<b>CYPRINIFORMES</b>						
Cyprinidae						
<i>Cyprinella analostana</i>	Spotfin shiner	0	0	0	0	5
<i>Exoglossum maxillingua</i>	Cutlips minnow	0	9	0	0	57
<i>Luxilus cornutus</i>	Common shiner	0	0	0	0	22
<i>Notropis hudsonius</i>	Spottail shiner	0	0	0	0	1
<i>Pimephales notatus</i>	Bluntnose minnow	0	0	0	0	8
<i>Rhinichthys atratulus</i>	Blacknose dace	0	164	4	20	44
<i>Rhinichthys cataractae</i>	Longnose dace	0	0	0	0	6
<i>Semotilus atromaculatus</i>	Creek chub	0	15	0	4	5
Catostomidae						
<i>Catostomus commersoni</i>	White sucker	0	1	0	1	65
<b>SILURIFORMES</b>						
Ictaluridae						
<i>Noturus insignis</i>	Margined madtom	0	0	0	0	3
<b>ANGUILLIDAE</b>						
Anguillidae						
<i>Anguilla rostrata</i>	American eel	0	0	0	1	0
<b>CYPRINODONTIDAE</b>						
Fundulidae						
<i>Fundulus diaphanus</i>	Banded killifish	0	1	0	0	0
<b>SALMONIFORMES</b>						
Salmonidae						
<i>Salmo trutta</i>	Brown trout	0	0	0	24	1
<i>Salvelinus fontinalis</i>	Brook trout	24	0	28	14	0
<b>PERCIFORMES</b>						
Centrarchidae						
<i>Ambloplites rupestris</i>	Rock bass	0	0	0	0	2
<i>Lepomis cyanellus</i>	Green sunfish	0	0	0	1	0
<i>Micropterus salmoides</i>	Largemouth bass	0	1	0	0	0
Percidae						
<i>Etheostoma olmstedi</i>	Tessellated darter	0	10	0	0	13
<b>Total number of individuals collected:</b>		<b>24</b>	<b>201</b>	<b>32</b>	<b>65</b>	<b>232</b>
<b>Total number of species identified:</b>		<b>1</b>	<b>7</b>	<b>2</b>	<b>7</b>	<b>13</b>