

KISKIMINETAS RIVER BASIN

03043810 CONEMAUGH RIVER BELOW CONEMAUGH DAM, PA

LOCATION--Lat 40°28'03", long 79°22'03", Indiana County, Hydrologic Unit 05010007, 50 ft downstream from face of Conemaugh Dam.

DRAINAGE AREA--1,354 mi².

PERIOD OF DAILY RECORD--

SPECIFIC CONDUCTANCE: October 2004 to current year.

pH: October 2004 to current year.

WATER TEMPERATURE: October 2004 to current year.

INSTRUMENTATION--Automated sampler interfaced with a data collection platform with 60-minute recording interval. Satellite telemetry at station.

REMARKS--Specific conductance, pH, and water temperature records rated fair except for periods Oct. 5-14, Jan. 18, 20, 25, 31, July 21, 27, 28, and Sept. 3, 5, 6, which are poor. Other interruptions in the record were due to malfunctions of the equipment.

EXTREMES FOR CURRENT YEAR--

SPECIFIC CONDUCTANCE: Maximum, 1,290 microsiemens, Aug. 31; minimum, 178 microsiemens, Jan. 9, 10.

pH: Maximum 7.9, Aug. 3, 6, 9; minimum, 6.7, several days.

WATER TEMPERATURE: Maximum, 28.2°C, July 23; minimum recorded, 0.1°C, Jan. 23, 24.

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25° CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	421	384	411	594	589	592	481	455	475	351	348	350
2	420	405	413	593	588	591	474	281	422	357	345	351
3	430	404	413	592	586	591	281	251	260	381	352	370
4	464	430	452	592	585	591	268	253	261	386	368	376
5	---	---	---	593	586	590	275	268	272	393	361	383
6	---	---	---	595	592	594	277	275	276	378	361	374
7	---	---	---	595	583	590	278	277	277	375	291	341
8	---	---	---	587	570	580	279	277	278	291	194	246
9	---	---	---	582	571	577	279	276	278	194	178	182
10	---	---	---	581	572	577	278	278	278	184	178	180
11	---	---	---	572	537	560	279	278	279	194	182	188
12	---	---	---	547	537	543	282	275	280	203	194	198
13	---	---	---	543	537	540	286	281	283	213	203	208
14	---	---	---	556	539	547	289	286	288	240	213	226
15	710	670	688	564	554	561	293	289	291	240	230	237
16	707	694	701	566	560	564	296	293	295	230	222	224
17	702	689	696	563	549	556	299	296	297	235	224	229
18	707	679	691	549	514	531	299	297	298	---	---	---
19	738	707	733	514	486	494	298	295	297	---	---	---
20	736	720	730	507	495	504	297	295	296	---	---	---
21	722	680	697	507	505	506	296	293	295	344	296	321
22	687	676	682	508	502	507	294	290	292	373	344	359
23	676	664	669	513	507	509	292	282	289	388	373	382
24	664	632	641	513	496	507	294	291	292	389	379	385
25	638	613	627	508	497	504	322	294	302	---	---	---
26	617	605	615	504	486	497	383	322	343	397	382	389
27	619	614	616	491	486	489	420	383	411	429	397	411
28	624	614	619	486	479	483	405	355	370	440	422	433
29	615	608	612	484	476	482	356	353	354	449	440	446
30	608	591	600	484	477	482	354	352	353	448	433	443
31	596	590	595	---	---	---	355	349	352	487	434	458
MONTH	738	384	614	595	476	541	481	251	311	487	178	322

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PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.3	7.2	7.2	7.7	7.6	7.6	7.4	7.3	7.4	6.9	6.9	6.9
2	7.3	7.2	7.2	7.7	7.6	7.6	7.3	7.2	7.3	6.9	6.9	6.9
3	7.2	7.1	7.2	7.7	7.6	7.6	7.2	7.2	7.2	6.9	6.9	6.9
4	7.4	7.2	7.3	7.6	7.6	7.6	7.2	7.0	7.1	7.0	6.9	6.9
5	---	---	---	7.7	7.6	7.6	7.1	7.0	7.1	7.2	6.9	7.0
6	---	---	---	7.6	7.6	7.6	7.1	7.0	7.0	7.2	7.1	7.2
7	---	---	---	7.6	7.6	7.6	7.2	6.9	7.0	7.3	7.2	7.2
8	---	---	---	7.6	7.6	7.6	7.2	7.1	7.2	7.3	7.1	7.2
9	---	---	---	7.6	7.6	7.6	7.2	7.1	7.1	7.1	7.1	7.1
10	---	---	---	7.6	7.6	7.6	7.2	7.1	7.2	7.1	7.0	7.1
11	---	---	---	7.6	7.6	7.6	7.2	7.1	7.2	7.1	7.0	7.1
12	---	---	---	7.6	7.5	7.6	7.2	7.2	7.2	7.0	6.9	7.0
13	---	---	---	7.6	7.5	7.6	7.3	7.2	7.2	7.0	6.9	6.9
14	---	---	---	7.6	7.5	7.6	7.3	7.2	7.3	6.9	6.9	6.9
15	7.1	7.1	7.1	7.5	7.5	7.5	7.3	7.2	7.3	6.9	6.9	6.9
16	7.1	7.1	7.1	7.5	7.5	7.5	7.3	7.2	7.3	6.9	6.9	6.9
17	7.2	7.1	7.1	7.5	7.5	7.5	7.3	7.3	7.3	7.0	6.9	6.9
18	7.2	7.1	7.2	7.6	7.5	7.6	7.3	7.3	7.3	---	---	---
19	7.2	7.1	7.2	7.6	7.5	7.5	7.3	7.3	7.3	---	---	---
20	7.2	7.1	7.2	7.5	7.5	7.5	7.3	7.3	7.3	---	---	---
21	7.2	7.1	7.1	7.5	7.4	7.5	7.3	7.3	7.3	6.9	6.8	6.8
22	7.2	7.1	7.1	7.5	7.4	7.5	7.3	7.3	7.3	6.8	6.8	6.8
23	7.2	7.2	7.2	7.5	7.4	7.5	7.3	7.2	7.3	6.8	6.8	6.8
24	7.2	7.2	7.2	7.6	7.4	7.6	7.3	7.3	7.3	6.8	6.7	6.8
25	7.2	7.2	7.2	7.6	7.5	7.5	7.3	7.2	7.3	---	---	---
26	7.3	7.2	7.2	7.6	7.4	7.5	7.2	7.1	7.2	6.8	6.7	6.8
27	7.6	7.2	7.5	7.6	7.4	7.5	7.1	7.0	7.0	6.8	6.7	6.7
28	7.6	7.5	7.5	7.5	7.4	7.5	7.0	6.9	6.9	6.8	6.7	6.7
29	7.6	7.5	7.5	7.5	7.3	7.4	6.9	6.9	6.9	6.8	6.7	6.7
30	7.6	7.5	7.6	7.4	7.3	7.3	6.9	6.9	6.9	6.7	6.7	6.7
31	7.7	7.6	7.6	---	---	---	6.9	6.9	6.9	---	---	---
MAX	7.7	7.6	7.6	7.7	7.6	7.6	7.4	7.3	7.4	7.3	7.2	7.2
MIN	7.1	7.1	7.1	7.4	7.3	7.3	6.9	6.9	6.9	6.7	6.7	6.7
	FEBRUARY			MARCH			APRIL			MAY		
1	6.8	6.8	6.8	7.0	7.0	7.0	7.2	7.1	7.2	6.9	6.8	6.9
2	6.8	6.8	6.8	7.0	7.0	7.0	7.1	7.0	7.0	6.9	6.8	6.9
3	6.8	6.8	6.8	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.9
4	6.8	6.7	6.8	7.0	7.0	7.0	7.1	7.0	7.1	6.8	6.8	6.8
5	6.8	6.7	6.7	7.1	7.0	7.1	7.2	7.1	7.1	6.8	6.7	6.8
6	6.8	6.7	6.7	7.1	7.1	7.1	7.2	7.0	7.2	6.8	6.7	6.8
7	6.7	6.7	6.7	7.1	7.0	7.1	7.1	7.0	7.1	6.8	6.7	6.8
8	6.7	6.7	6.7	7.1	7.0	7.0	7.0	7.0	7.0	6.8	6.8	6.8
9	6.7	6.7	6.7	7.3	7.1	7.1	7.0	7.0	7.0	6.9	6.7	6.8
10	6.8	6.7	6.8	7.3	7.1	7.2	7.0	6.9	7.0	7.0	6.9	6.9
11	7.1	6.8	6.9	7.1	7.1	7.1	7.0	6.9	7.0	7.0	6.9	7.0
12	7.2	7.0	7.1	7.1	7.0	7.1	7.0	6.9	6.9	7.0	6.9	7.0
13	7.0	7.0	7.0	7.1	7.0	7.0	7.0	6.9	6.9	7.0	7.0	7.0
14	7.0	6.8	7.0	7.1	7.0	7.0	7.0	6.9	7.0	7.0	7.0	7.0
15	7.1	7.0	7.1	7.1	7.0	7.0	7.0	6.9	7.0	7.0	7.0	7.0
16	7.2	7.1	7.2	7.0	6.9	7.0	7.0	7.0	7.0	7.0	6.9	7.0
17	7.2	7.2	7.2	7.1	6.8	7.0	7.0	6.9	6.9	7.0	6.9	7.0
18	7.2	7.1	7.2	7.1	7.0	7.0	6.9	6.9	6.9	7.1	7.0	7.0
19	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.9	6.9	7.1	7.0	7.0
20	7.1	7.0	7.1	7.1	6.9	7.0	6.9	6.9	6.9	7.0	7.0	7.0
21	7.1	7.0	7.0	7.0	6.9	6.9	7.0	6.9	7.0	7.0	6.9	7.0
22	7.1	7.0	7.1	7.0	6.9	6.9	7.0	6.8	6.9	7.0	6.9	6.9
23	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.9	6.9	6.9
24	7.1	7.1	7.1	7.1	7.0	7.1	6.9	6.9	6.9	6.9	6.9	6.9
25	7.1	7.0	7.1	7.3	7.1	7.2	6.9	6.8	6.8	6.9	6.8	6.9
26	7.1	7.0	7.0	7.3	7.2	7.2	6.9	6.8	6.9	6.9	6.8	6.8
27	7.1	7.0	7.0	7.2	7.1	7.1	6.9	6.9	6.9	6.9	6.8	6.8
28	7.0	7.0	7.0	7.1	7.1	7.1	6.9	6.9	6.9	6.9	6.8	6.8
29	---	---	---	7.3	7.1	7.1	6.9	6.9	6.9	6.9	6.8	6.8
30	---	---	---	7.3	7.3	7.3	6.9	6.9	6.9	6.9	6.8	6.8
31	---	---	---	7.3	7.2	7.3	---	---	---	6.9	6.8	6.9
MAX	7.2	7.2	7.2	7.3	7.3	7.3	7.2	7.1	7.2	7.1	7.0	7.0
MIN	6.7	6.7	6.7	7.0	6.8	6.9	6.9	6.8	6.8	6.8	6.7	6.8

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PH, WATER, WHOLE, FIELD, STANDARD UNITS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	
JUNE			JULY			AUGUST			SEPTEMBER				
1	6.9	6.9	6.9	7.2	7.1	7.1	7.6	7.5	7.5	7.0	6.8	6.9	
2	6.9	6.9	6.9	7.3	7.1	7.2	7.8	7.5	7.8	7.5	7.0	7.4	
3	6.9	6.9	6.9	7.2	7.0	7.2	7.9	7.8	7.8	---	---	---	
4	7.0	6.9	6.9	7.2	7.1	7.2	7.8	7.8	7.8	7.5	7.4	7.4	
5	7.0	6.9	6.9	7.2	7.1	7.2	7.8	7.8	7.8	---	---	---	
6	7.0	6.9	6.9	7.2	7.1	7.1	7.9	7.7	7.8	---	---	---	
7	7.0	6.9	6.9	7.2	7.1	7.2	7.8	7.7	7.8	7.6	7.5	7.6	
8	7.0	6.8	6.9	7.2	7.0	7.1	7.8	7.8	7.8	7.7	7.6	7.6	
9	7.0	6.9	6.9	7.0	7.0	7.0	7.9	7.6	7.7	7.6	7.5	7.5	
10	7.0	6.9	7.0	7.0	6.9	7.0	7.6	7.4	7.5	7.6	7.5	7.5	
11	7.0	6.9	6.9	7.0	6.9	6.9	7.5	7.3	7.4	7.6	7.4	7.5	
12	6.9	6.9	6.9	6.9	6.8	6.9	7.4	7.3	7.3	7.6	7.5	7.5	
13	7.0	6.9	6.9	6.9	6.8	6.8	7.4	7.3	7.3	7.5	7.4	7.5	
14	7.3	6.9	7.2	7.2	6.7	7.1	7.4	7.3	7.3	7.8	7.4	7.7	
15	7.3	7.2	7.3	7.2	7.0	7.1	7.3	7.3	7.3	7.8	7.7	7.7	
16	7.3	7.2	7.2	7.2	7.1	7.2	7.3	7.2	7.2	7.8	7.7	7.7	
17	7.3	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.3	7.8	7.7	7.7	
18	7.4	7.3	7.3	7.3	7.2	7.2	7.4	7.2	7.3	7.8	7.7	7.7	
19	7.5	7.3	7.4	7.4	7.2	7.3	7.4	7.3	7.3	7.7	7.6	7.7	
20	7.4	7.3	7.4	7.4	7.3	7.3	7.4	7.3	7.3	7.6	7.6	7.6	
21	7.3	7.3	7.3	7.4	7.3	7.4	7.4	7.3	7.4	7.7	7.6	7.6	
22	7.3	7.2	7.3	7.5	7.3	7.4	7.4	7.3	7.3	7.7	7.5	7.6	
23	7.3	7.3	7.3	7.4	7.3	7.4	7.4	7.3	7.3	7.6	7.5	7.6	
24	7.4	7.2	7.3	7.4	7.3	7.4	7.6	7.3	7.5	7.7	7.5	7.6	
25	7.4	7.3	7.3	7.5	7.3	7.4	7.6	7.4	7.5	7.7	7.6	7.6	
26	7.3	7.2	7.3	7.6	7.5	7.5	7.4	7.3	7.4	7.6	7.5	7.6	
27	7.3	7.2	7.3	---	---	---	7.3	7.2	7.3	7.6	7.5	7.6	
28	7.3	7.2	7.3	---	---	---	7.2	7.1	7.2	7.7	7.5	7.6	
29	7.4	7.3	7.3	7.5	7.4	7.5	7.1	7.0	7.1	7.7	7.6	7.6	
30	7.3	7.1	7.2	7.6	7.3	7.5	7.0	6.9	7.0	7.6	7.6	7.6	
31	---	---	---	7.6	7.3	7.5	7.0	6.8	7.0	---	---	---	
MAX	7.5	7.3	7.4	7.6	7.5	7.5	7.9	7.8	7.8	7.8	7.7	7.7	
MIN	6.9	6.8	6.9	6.9	6.7	6.8	7.0	6.8	7.0	7.0	6.8	6.9	
YEAR	MAX	MAXIMUM 7.9		MINIMUM 6.7									
	MIN	MAXIMUM 7.8		MINIMUM 6.7									
	MEDIAN	MAXIMUM 7.8		MINIMUM 6.7									

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	17.8	17.3	17.5	13.2	12.9	13.1	8.7	7.8	8.3	2.1	1.7	1.8
2	17.6	17.2	17.4	13.6	13.2	13.3	7.9	6.6	7.5	2.7	1.6	2.0
3	17.4	16.8	17.1	13.5	13.2	13.4	6.6	5.5	6.0	3.7	2.6	3.1
4	16.8	16.3	16.6	13.5	13.1	13.3	5.5	5.0	5.2	4.1	3.5	3.6
5	---	---	---	13.1	12.6	12.8	5.2	4.8	5.0	6.4	3.6	5.4
6	---	---	---	12.6	12.2	12.4	5.3	4.7	4.9	6.8	5.6	6.4
7	---	---	---	12.4	11.2	11.9	5.5	5.0	5.2	7.1	5.6	6.5
8	---	---	---	11.4	10.5	10.9	5.5	5.1	5.3	7.0	6.0	6.6
9	---	---	---	10.8	10.5	10.6	5.5	5.0	5.2	6.0	5.9	5.9
10	---	---	---	10.5	9.9	10.2	5.7	5.3	5.5	5.9	5.7	5.8
11	---	---	---	10.0	9.2	9.7	5.6	5.1	5.4	5.7	5.6	5.6
12	---	---	---	9.2	8.8	9.1	5.5	5.1	5.2	5.8	5.6	5.7
13	---	---	---	8.8	7.8	8.3	5.3	5.0	5.1	6.0	5.8	5.9
14	---	---	---	7.8	7.3	7.6	5.1	4.7	5.0	6.0	5.7	5.8
15	13.3	12.6	13.0	7.4	7.1	7.2	5.0	4.6	4.8	5.9	5.6	5.7
16	12.7	12.5	12.6	7.4	7.0	7.2	5.0	4.6	4.8	6.4	5.9	6.2
17	12.5	12.1	12.3	7.5	7.1	7.3	5.0	4.7	4.8	6.4	5.6	6.2
18	12.1	11.7	12.0	7.5	7.4	7.4	5.1	4.5	4.7	---	---	---
19	11.7	10.6	10.9	7.5	7.1	7.3	4.8	3.7	4.4	---	---	---
20	10.8	10.5	10.6	8.2	7.5	7.9	3.8	3.4	3.6	---	---	---
21	10.9	10.6	10.7	8.4	8.2	8.3	4.3	3.5	3.9	1.3	0.4	0.7
22	11.8	10.9	11.3	9.0	8.4	8.7	4.5	4.0	4.2	0.5	0.3	0.4
23	12.0	11.5	11.8	9.3	8.8	9.0	5.0	3.8	4.3	0.4	0.1	0.2
24	12.2	12.0	12.1	9.7	9.3	9.5	3.8	3.3	3.6	0.4	0.1	0.2
25	12.2	12.0	12.1	9.4	8.8	9.1	3.4	2.7	3.1	---	---	---
26	12.3	11.9	12.1	9.2	8.8	8.9	2.7	1.6	2.3	0.9	0.5	0.7
27	12.6	12.2	12.4	9.1	8.7	8.9	1.8	1.3	1.6	0.8	0.3	0.5
28	12.6	12.2	12.4	8.9	8.5	8.8	1.6	0.8	1.1	1.0	0.3	0.6
29	12.7	12.5	12.6	8.5	8.2	8.4	1.1	0.8	0.9	1.0	0.5	0.7
30	12.9	12.7	12.8	8.8	8.3	8.4	1.3	1.0	1.1	1.3	0.8	1.0
31	13.1	12.7	12.9	---	---	---	1.9	1.2	1.6	1.8	0.7	1.1
MONTH	17.8	10.5	13.0	13.6	7.0	9.6	8.7	0.8	4.3	7.1	0.1	3.5

