

**ALTAMAHA RIVER BASIN**  
**2004 Water Year**

**02207385 BIG HAYNES CREEK AT LENORA ROAD, NEAR SNELLVILLE, GA**

**LOCATION.**—Lat 33°48'54", long 83°59'25" referenced to North American Datum (NAD) of 1927, Gwinnett County, Hydrologic Unit 03070103, 30.0 feet upstream of bridge on County Road 368, and 5.5 miles southeast of Snellville.

**DRAINAGE AREA.**—17.3 square miles.

**COOPERATION.**—Gwinnett County Department of Public Utilities.

**PERIOD OF RECORD.**—February 7, 2001 to current year.

**CONTINUOUS WATER-QUALITY RECORDS**

**PERIOD OF DAILY RECORD.**—

**SPECIFIC CONDUCTANCE:** February 7, 2001 to current year.

**WATER TEMPERATURE:** February 7, 2001 to current year.

**TURBIDITY:** February 7, 2001 to current year.

**INSTRUMENTATION.**—Satellite telemetry with a water-stage recorder and a continuous water-quality monitor.

**REMARKS.**—Records fair, except turbidity, which are poor.

**EXTREMES FOR PERIOD OF DAILY RECORD.**—

**SPECIFIC CONDUCTANCE:** Maximum recorded, 132 microsiemens, August 27, 2002; minimum recorded, 15 microsiemens, April 24, 2002, March 6, 2003.

**WATER TEMPERATURE:** Maximum recorded, 26.4°C, August 24, 2002; minimum recorded, 2.1°C, January 5, 2002.

**TURBIDITY:** Maximum recorded, >2,200 NTU, on many days; minimum recorded, <2.0 NTU, October 9, 10, 2001.

**EXTREMES FOR CURRENT YEAR.**—

**SPECIFIC CONDUCTANCE:** Maximum recorded, 96 microsiemens, July 25; minimum recorded, 27 microsiemens, September 7.

**WATER TEMPERATURE:** Maximum recorded, 25.7°C, June 17, 19; minimum recorded, 4.6°C, December 21.

**TURBIDITY:** Maximum recorded, >2,200 NTU, on many days; minimum recorded, <5.0 NTU, on many days.

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135  
 LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	62	61	61	64	62	62	59	56	57	61	60	61
2	62	59	61	64	62	63	59	54	57	61	61	61
3	62	59	61	63	62	62	59	53	57	61	61	61
4	62	59	61	63	63	63	58	50	56	61	60	61
5	62	59	61	---	---	---	58	51	55	62	43	56
6	62	58	60	---	---	---	59	52	56	59	48	56
7	64	57	61	---	---	---	59	52	57	60	59	60
8	63	58	62	63	58	62	61	54	59	60	60	60
9	62	56	61	65	62	63	61	59	60	60	56	58
10	62	61	62	63	61	62	60	43	54	60	58	60
11	62	61	62	62	61	61	59	56	58	61	60	60
12	62	61	62	62	61	61	59	58	59	61	60	61
13	62	60	62	61	45	59	60	58	59	61	60	60
14	64	58	62	61	48	58	---	---	---	61	60	61
15	64	62	63	62	60	60	---	---	---	61	60	60
16	63	62	62	60	60	60	---	---	---	61	61	61
17	62	61	62	61	60	60	---	---	---	61	60	61
18	63	59	61	61	59	60	---	---	---	60	57	58
19	59	57	58	---	---	---	63	59	60	61	59	60
20	58	57	58	---	---	---	60	60	60	61	60	61
21	59	56	57	57	54	56	61	60	60	61	61	61
22	59	57	58	58	55	57	61	60	60	61	61	61
23	58	56	57	59	53	58	61	58	60	61	61	61
24	57	55	56	59	57	58	59	49	55	62	61	61
25	58	56	57	58	55	58	60	59	60	61	40	50
26	---	---	---	59	54	57	60	60	60	55	47	53
27	---	---	---	59	46	56	61	60	60	57	55	56
28	---	---	---	55	40	50	61	60	60	58	56	57
29	61	61	61	57	53	55	61	60	60	60	58	58
30	62	61	62	57	56	56	61	59	60	59	59	59
31	65	62	63	---	---	---	61	60	60	59	59	59
MONTH	---	---	---	---	---	---	---	---	---	62	40	59



U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135  
 LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Specific conductance, water, unfiltered, microsiemens per centimeter at 25 degrees Celsius  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	62	58	60	57	54	56	63	60	61	62	48	57
2	62	61	61	56	49	54	62	61	60	56	36	49
3	63	61	62	59	56	57	61	59	60	56	52	55
4	63	62	62	---	---	---	63	60	62	59	56	57
5	63	62	62	---	---	---	64	60	62	58	57	58
6	63	62	62	59	59	---	62	61	61	59	57	58
7	64	56	62	64	56	60	62	61	61	58	27	44
8	62	55	59	61	58	60	63	61	62	53	48	52
9	61	59	60	---	---	---	64	62	62	55	53	54
10	62	60	61	---	---	---	64	62	62	56	49	55
11	62	61	61	---	---	---	63	62	62	58	53	56
12	63	61	62	62	61	62	65	30	50	58	54	56
13	---	---	---	62	61	61	58	54	56	58	57	57
14	---	---	---	63	57	61	62	57	59	59	57	58
15	65	54	58	60	57	58	59	55	57	60	59	60
16	65	36	60	61	59	60	57	55	56	---	---	---
17	55	40	49	62	61	62	58	56	57	---	---	---
18	60	54	57	62	60	61	58	57	58	55	54	54
19	58	55	57	62	60	61	62	57	58	55	50	53
20	59	58	59	62	61	61	63	59	62	52	50	51
21	60	59	60	63	59	61	66	58	61	56	51	54
22	---	---	---	62	58	61	66	62	64	56	54	54
23	---	---	---	62	57	61	64	62	63	57	54	56
24	---	---	---	62	57	60	65	61	64	65	57	57
25	---	---	---	96	50	61	65	64	64	59	57	59
26	58	54	57	55	41	50	65	58	60	60	59	60
27	---	---	---	60	55	58	62	58	60	60	38	52
28	---	---	---	60	58	59	63	62	62	62	44	55
29	55	51	53	62	49	60	63	62	63	59	55	58
30	57	53	55	60	47	56	64	56	63	57	55	56
31	---	---	---	62	59	60	62	61	61	---	---	---
MONTH	---	---	---	---	---	---	66	30	60	---	---	---

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STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135  
 LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Temperature, water, degrees Celsius  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.9	15.2	16.6	17.1	14.1	15.7	11.0	8.2	9.6	9.7	6.5	8.2
2	17.0	14.9	16.0	17.3	14.4	15.9	10.6	8.3	9.6	10.9	8.2	9.7
3	16.1	14.0	15.2	17.3	14.2	15.9	9.4	8.5	9.0	12.5	10.1	11.3
4	17.4	14.4	16.1	18.3	16.5	17.4	8.9	7.8	8.1	13.4	11.3	12.4
5	18.2	15.4	16.9	19.5	18.1	18.5	8.9	8.0	8.5	14.0	11.6	13.3
6	18.5	17.2	17.8	---	---	---	9.3	7.8	8.3	11.6	7.6	9.4
7	18.9	17.9	18.4	19.8	18.4	19.1	8.8	6.6	7.7	7.6	5.6	6.5
8	19.2	18.1	18.6	18.4	16.7	17.4	9.0	6.3	7.8	7.0	5.1	6.1
9	19.2	18.3	18.8	16.7	14.3	15.7	10.1	7.0	8.6	7.6	6.7	7.2
10	19.3	18.5	18.8	14.4	12.6	13.6	11.1	9.0	10.4	7.3	6.0	6.9
11	18.5	18.0	18.2	15.1	12.1	13.7	9.2	8.1	8.6	7.2	4.7	6.0
12	19.7	17.8	18.6	16.7	13.5	15.2	9.3	7.2	8.3	8.1	5.0	6.6
13	19.3	17.0	18.4	16.5	11.8	14.3	8.6	7.5	8.1	9.8	7.0	8.3
14	20.1	17.4	19.1	12.3	10.0	11.3	8.1	6.9	7.6	10.2	7.0	8.7
15	17.4	15.2	16.3	13.2	10.3	11.8	9.0	7.0	8.0	10.5	8.5	9.7
16	16.3	13.2	14.9	14.6	11.3	13.0	10.2	6.8	8.4	9.4	6.7	8.2
17	15.4	13.3	14.6	16.3	14.5	15.5	10.2	7.6	8.8	8.9	6.8	8.0
18	16.3	13.6	15.1	17.1	15.4	16.3	8.8	6.6	7.9	10.7	8.7	9.7
19	16.5	13.5	15.1	17.6	15.5	16.8	8.7	7.1	7.9	9.9	6.8	8.4
20	17.1	14.1	15.7	15.6	14.0	14.8	7.3	5.8	6.5	7.6	5.2	6.4
21	17.8	14.4	16.3	15.1	12.6	14.0	7.1	4.6	5.9	7.6	5.1	6.4
22	17.8	15.9	16.9	14.8	12.1	13.6	8.1	4.9	6.6	8.4	5.6	7.0
23	16.8	14.2	15.7	14.8	11.9	13.5	9.9	6.1	7.9	7.6	5.5	6.7
24	---	14.2	---	14.3	11.3	13.5	10.0	7.6	9.3	9.4	5.0	7.2
25	17.0	14.7	15.8	11.4	9.3	10.5	7.8	6.3	7.1	9.3	6.1	8.1
26	17.4	16.2	16.7	12.2	9.2	10.8	8.3	5.9	7.2	6.5	6.1	6.4
27	17.5	15.7	17.0	12.8	11.7	12.2	8.6	5.7	7.3	7.7	6.1	6.8
28	15.7	14.0	14.7	13.7	10.6	12.8	8.9	6.1	7.6	6.6	4.7	5.7
29	15.8	13.8	14.8	10.6	8.7	9.5	10.5	7.4	8.8	7.3	4.7	6.0
30	16.1	13.1	14.8	10.2	7.5	8.9	10.6	8.1	9.5	8.6	6.0	7.2
31	16.6	13.7	15.3	---	---	---	9.1	6.4	7.9	7.9	5.8	7.0
MONTH	---	13.1	---	---	---	---	11.1	4.6	8.2	14.0	4.7	7.9



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Temperature, water, degrees Celsius  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.4	20.0	20.7	23.5	22.4	22.9	25.1	23.0	24.1	23.2	21.6	22.4
2	21.3	18.6	20.1	23.7	22.8	23.2	25.0	23.2	24.1	23.9	22.2	23.2
3	21.4	18.8	20.3	24.0	22.6	23.3	24.9	22.3	23.6	23.3	22.4	22.9
4	22.3	20.0	21.0	---	---	---	25.1	22.4	23.7	22.8	21.4	22.2
5	21.2	18.5	20.1	---	---	---	24.4	22.0	23.1	23.1	21.3	22.2
6	22.0	19.4	20.6	---	---	---	23.9	21.7	22.9	22.6	21.6	22.1
7	21.2	19.7	20.5	24.9	22.1	23.6	22.1	19.9	21.0	22.9	21.8	22.3
8	21.5	20.3	20.9	25.4	23.5	24.4	21.7	18.4	20.1	22.7	22.3	22.5
9	22.2	21.2	21.6	24.2	22.3	23.1	21.9	18.6	20.3	23.1	21.7	22.4
10	23.2	21.1	22.1	24.3	22.0	23.1	21.1	19.7	20.4	23.4	22.0	22.7
11	23.8	21.3	22.6	24.4	22.0	23.2	22.1	19.2	20.6	23.2	21.8	22.5
12	24.4	21.7	23.1	24.3	22.0	23.1	23.6	20.6	22.2	22.6	21.5	22.1
13	23.1	22.1	22.6	24.6	22.3	23.4	23.0	21.3	22.0	21.9	20.9	21.5
14	---	---	---	24.7	21.9	23.2	22.1	19.9	21.1	21.5	20.0	20.8
15	24.0	22.3	23.0	23.9	21.8	22.8	22.6	21.0	21.7	20.7	20.1	20.4
16	24.3	22.3	23.2	22.8	20.2	21.7	22.9	21.2	21.9	22.9	20.7	21.6
17	25.7	23.3	24.6	23.1	21.3	22.1	22.9	20.5	21.8	22.8	21.9	22.2
18	25.4	24.1	24.8	23.8	21.5	22.6	23.2	20.6	21.9	22.2	21.0	21.6
19	25.7	23.8	24.8	23.7	21.3	22.5	23.1	20.5	21.8	21.4	19.8	20.6
20	24.9	23.0	24.1	23.3	20.5	22.0	23.2	21.1	22.2	20.3	19.0	19.7
21	24.2	22.8	23.5	23.6	20.7	22.2	23.2	21.7	22.4	20.1	18.5	19.4
22	24.2	22.3	23.1	23.8	21.3	22.6	23.1	21.5	22.3	20.2	18.0	19.2
23	23.9	22.3	23.0	24.8	21.9	23.3	23.3	21.9	22.5	20.7	18.0	19.5
24	23.6	22.9	23.2	24.9	22.2	23.5	23.1	21.4	22.3	21.1	19.0	20.1
25	23.8	22.5	23.1	24.1	22.5	23.2	22.8	21.7	22.3	21.0	19.1	20.0
26	23.3	22.2	22.8	25.5	22.2	24.3	23.8	21.8	22.7	20.6	18.5	19.6
27	22.8	21.9	22.4	24.7	23.6	24.1	23.8	21.6	22.7	20.3	19.5	19.8
28	---	---	---	24.8	23.1	23.9	24.3	21.8	23.0	21.4	20.2	20.8
29	24.0	22.5	23.2	24.4	22.7	23.5	24.0	22.1	22.8	21.0	19.9	20.5
30	23.4	22.6	22.9	25.4	23.7	24.5	23.6	21.4	22.5	20.9	19.0	20.0
31	---	---	---	25.3	23.4	24.3	24.0	21.5	22.7	---	---	---
MONTH	---	---	---	---	---	---	25.1	18.4	22.2	23.9	18.0	21.2

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 LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	30	<5.0	10	33	7.4	9.1	33	16	19	22	7.6	10
2	20	<5.0	7.1	13	6.0	7.8	32	12	16	18	7.4	9.9
3	15	<5.0	5.9	16	5.1	6.5	42	12	16	20	8.0	10
4	22	<5.0	7.9	12	<5.0	5.6	48	13	25	19	7.6	10
5	24	<5.0	6.7	---	---	---	37	12	15	570	9.0	14
6	20	<5.0	8.9	---	---	---	32	11	13	98	22	30
7	48	<5.0	20	36	16	22	35	8.8	13	24	16	20
8	21	<5.0	8.4	33	11	15	49	8.3	14	29	14	17
9	17	<5.0	7.8	20	8.6	11	64	7.1	13	30	14	21
10	19	<5.0	9.2	32	6.2	9.6	410	8.6	70	31	15	19
11	19	<5.0	7.2	25	8.1	11	61	22	34	25	11	15
12	18	<5.0	6.2	29	5.5	7.9	47	19	23	30	12	17
13	19	<5.0	7.2	15	5.8	7.0	56	17	22	26	9.6	13
14	15	<5.0	6.6	35	<5.0	6.3	334	30	50	19	8.7	12
15	19	<5.0	7.2	30	5.4	7.3	40	21	28	34	8.3	11
16	17	<5.0	6.3	21	5.2	6.6	36	16	21	31	8.3	11
17	20	<5.0	6.8	17	5.0	7.0	58	18	25	21	7.6	10
18	19	<5.0	7.2	34	<5.0	6.5	31	14	19	41	11	18
19	17	<5.0	6.7	1860	22	125	27	13	16	18	8.2	12
20	18	<5.0	5.9	141	52	69	30	12	14	19	7.2	9.3
21	28	<5.0	12	80	38	46	35	10	13	14	6.5	8.7
22	20	<5.0	9.7	60	30	38	59	10	14	15	6.1	8.7
23	18	<5.0	8.2	55	20	25	55	9.6	18	14	5.9	8.0
24	18	<5.0	8.4	31	19	22	295	20	29	15	5.6	7.8
25	11	<5.0	6.0	24	14	17	29	13	17	555	6.8	177
26	646	5.2	8.4	48	12	15	37	12	14	153	46	67
27	141	33	48	176	11	18	29	10	13	59	38	42
28	63	19	28	202	36	56	24	10	13	49	22	30
29	33	13	18	42	25	29	23	9.0	12	24	15	20
30	32	9.3	13	39	18	22	23	10	14	20	12	17
31	15	7.6	9.9	---	---	---	17	8.0	11	23	13	17
MAX	646	33	48	---	---	---	410	30	70	570	46	177
MIN	11	5.0	5.9	---	---	---	17	7.1	11	14	5.6	7.8

< Actual value is known to be less than the value shown



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Turbidity, water, unfiltered, nephelometric turbidity units  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	23	13	17	23	7.7	11	---	---	---	---	---	---
2	258	13	16	22	8.5	11	11	<5.0	<5.0	---	---	---
3	82	17	24	16	8.2	10	11	<5.0	<5.0	---	---	---
4	21	13	15	21	7.8	10	9.6	<5.0	<5.0	---	---	---
5	---	---	---	19	6.2	9.8	10	<5.0	<5.0	26	9.1	12
6	---	---	---	37	8.0	14	9.1	<5.0	<5.0	19	7.5	11
7	---	---	---	15	6.6	9.0	---	---	---	24	6.2	9.6
8	---	---	---	24	6.0	8.9	---	---	---	25	5.7	8.4
9	---	---	---	20	5.6	8.1	---	---	---	46	5.7	9.6
10	---	---	---	17	<5.0	6.8	17	<5.0	<5.0	26	5.9	8.7
11	---	---	---	---	---	---	10	<5.0	<5.0	22	<5.0	8.0
12	---	---	---	---	---	---	---	---	---	>2200	5.3	9.3
13	---	---	---	---	---	---	---	---	---	496	32	59
14	---	---	---	---	---	---	34	6.4	10	56	14	22
15	---	---	---	---	---	---	18	5.2	6.5	42	8.8	13
16	---	---	---	13	<5.0	6.7	15	<5.0	6.7	21	7.0	9.5
17	---	---	---	9.0	<5.0	5.6	19	<5.0	5.8	15	5.6	7.9
18	41	23	27	11	<5.0	5.2	13	<5.0	6.0	26	6.1	8.0
19	33	20	25	9.6	<5.0	5.2	23	<5.0	6.8	20	6.0	7.8
20	25	16	19	---	---	---	17	<5.0	6.5	26	5.2	7.4
21	30	15	18	---	---	---	13	<5.0	6.2	22	5.5	7.4
22	28	13	16	---	---	---	13	5.3	7.0	196	6.3	12
23	30	11	14	---	---	---	12	<5.0	6.4	50	16	22
24	24	11	14	---	---	---	---	---	---	26	12	16
25	20	8.6	13	12	<5.0	<5.0	---	---	---	24	7.7	12
26	125	12	26	9.7	<5.0	<5.0	---	---	---	24	6.0	10
27	28	15	20	22	<5.0	5.0	18	5.5	8.2	57	6.1	9.2
28	21	9.2	13	19	<5.0	5.8	20	<5.0	7.1	30	5.5	8.6
29	20	9.6	11	19	<5.0	5.5	24	5.5	8.8	20	5.2	8.4
30	---	---	---	27	<5.0	11	16	<5.0	7.3	13	5.3	7.9
31	---	---	---	---	---	---	---	---	---	113	6.4	22
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

< Actual value is known to be less than the value shown  
 > Actual value is known to be greater than the value shown

U.S. DEPARTMENT OF THE INTERIOR - U.S. GEOLOGICAL SURVEY - WATER RESOURCES

STATION NUMBER 02207385 BIG HAYNES CREEK AT LENORA ROAD, NR SNELLVILLE, GA SOURCE AGENCY USGS STATE 13 COUNTY 135  
 LATITUDE 334854 LONGITUDE 0835925 NAD27 DRAINAGE AREA 17.3 CONTRIBUTING DRAINAGE AREA 17.3 DATUM 860.00 NGVD29

Turbidity, water, unfiltered, nephelometric turbidity units  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN	MAX	MIN	MEDIAN
1	26	6.7	10	236	25	47	71	6.5	11	143	<5.0	22
2	37	5.3	8.5	289	35	52	37	5.3	7.9	1090	42	73
3	22	5.1	8.6	58	20	31	37	6.1	9.1	48	17	28
4	23	<5.0	7.5	---	---	---	28	<5.0	6.1	37	8.9	12
5	22	<5.0	7.2	---	---	---	20	<5.0	6.1	14	5.4	8.7
6	33	<5.0	7.2	---	---	---	23	7.2	9.9	12	<5.0	6.3
7	123	<5.0	7.4	58	11	27	16	<5.0	5.8	>2200	7.7	236
8	179	9.8	18	53	13	23	12	<5.0	<5.0	175	90	119
9	31	8.0	12	325	7.2	17	9.8	<5.0	<5.0	94	58	75
10	33	5.6	9.1	31	6.2	10	10	<5.0	<5.0	63	39	49
11	18	5.2	7.9	18	<5.0	8.3	12	<5.0	<5.0	75	21	29
12	27	5.0	7.6	23	<5.0	7.9	888	<5.0	97	28	12	17
13	---	---	---	19	<5.0	7.7	94	32	48	35	<5.0	12
14	---	---	---	121	<5.0	8.8	39	14	21	16	6.7	8.7
15	113	24	42	---	---	---	22	6.8	10	12	5.3	7.6
16	1640	22	64	---	---	---	21	<5.0	6.8	>2200	6.2	64
17	750	83	130	---	---	---	13	<5.0	5.1	>2200	120	156
18	108	27	45	---	---	---	10	<5.0	5.0	124	82	103
19	122	18	32	---	---	---	14	<5.0	<5.0	95	60	74
20	566	16	24	27	<5.0	6.2	19	<5.0	5.9	64	43	53
21	42	12	15	28	<5.0	6.8	18	<5.0	6.1	46	31	39
22	1230	8.1	14	33	<5.0	7.3	11	<5.0	<5.0	38	22	27
23	920	32	108	27	<5.0	6.8	17	<5.0	7.2	32	15	19
24	180	42	64	28	<5.0	5.8	19	<5.0	<5.0	22	11	15
25	171	20	44	491	<5.0	5.1	13	<5.0	<5.0	19	9.1	12
26	68	11	24	778	40	71	14	<5.0	6.0	19	7.8	9.7
27	---	---	---	59	20	26	9.2	<5.0	<5.0	314	7.9	17
28	---	---	---	38	9.0	13	11	<5.0	<5.0	164	46	69
29	143	50	62	284	6.9	11	11	<5.0	<5.0	81	31	39
30	394	27	41	363	15	26	107	<5.0	<5.0	42	23	28
31	---	---	---	38	8.5	15	43	<5.0	<5.0	---	---	---
MAX	---	---	---	---	---	---	888	32	97	2200	120	236
MIN	---	---	---	---	---	---	9.2	5.0	5.0	12	5.0	6.3

< Actual value is known to be less than the value shown  
 > Actual value is known to be greater than the value shown