Prepared in cooperation with the Colorado River Water Conservation District, Eagle County, Eagle River Water and Sanitation District, Upper Eagle Regional Water Authority, Colorado Department of Transportation, City of Aurora, Town of Eagle, Town of Gypsum, Town of Minturn, Town of Vail, Vail Resorts, Colorado Springs Utilities, Denver Water, and the U.S. Department of Agriculture Forest Service

Macroinvertebrate and Algal Community Sample Collection Methods and Data Collected at Selected Sites in the Eagle River Watershed, Colorado, 2000–07

Data Series 502

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By Robert E. Zuellig and James F. Bruce

Prepared in cooperation with the Colorado River Water Conservation District, Eagle County, Eagle River Water and Sanitation District, Upper Eagle Regional Water Authority, Colorado Department of Transportation, City of Aurora, Town of Eagle, Town of Gypsum, Town of Minturn, Town of Vail, Vail Resorts, Colorado Springs Utilities, Denver Water, and the U.S. Department of Agriculture Forest Service

Data Series 502

**U.S. Department of the Interior
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Conversion Factors

Inch/Pound to SI

Multiply	By	To obtain
	Length	
inch (in.)	2.54	centimeter (cm)
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
micrometer (μm)	1.0 x 10 ²	centimeter (cm)
	Area	
acre	0.004047	square kilometer (km ²)
square foot (ft ²)	929.0	square centimeter (cm ²)
square foot (ft ²)	0.09290	square meter (m ²)
square inch (in ²)	6.452	square centimeter (cm ²)
square mile (mi ²)	259.0	hectare (ha)
square mile (mi ²)	2.590	square kilometer (km ²)
	Volume	
barrel (bbl), (petroleum, 1 barrel=42 gal)	0.1590	cubic meter (m ³)
cubic inch (in ³)	16.39	cubic centimeter (cm ³)
cubic inch (in ³)	0.01639	liter (L)
cubic inch (in ³)	0.001639	milliliters (mL)
cubic micrometer (μm ³)	1.0 × 10 ¹²	cubic centimeter (cm ³)

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F}=(1.8\times^{\circ}\text{C})+32$$

Temperature in degrees Fahrenheit (°F) may be converted to degrees Celsius (°C) as follows:

$$^{\circ}\text{C}=(^{\circ}\text{F}-32)/1.8$$

Vertical coordinate information is referenced to the North American Vertical Datum of 1988 (NAVD 88).

Horizontal coordinate information is referenced to the North American Datum of 1983 (NAD 83).

Elevation, as used in this report, refers to distance above the vertical datum.

Abbreviations

NAWQA	National Water-Quality Assessment Program
FS	U.S. Department of Agriculture Forest Service
USGS	U.S. Geological Survey

Macroinvertebrate and Algal Community Sample Collection Methods and Data Collected at Selected Sites in the Eagle River Watershed, Colorado, 2000–07

By Robert E. Zuellig and James F. Bruce

Introduction

State and local agencies are concerned about the effects of increasing urban development and human population growth on water quality and the biological condition of regional streams in the Eagle River watershed (Deacon and Spahr, 1998). In response to these needs, the U.S. Geological Survey (USGS) initiated a study in cooperation with the Colorado River Water Conservation District, Eagle County, Eagle River Water and Sanitation District, Upper Eagle Regional Water Authority, Colorado Department of Transportation, City of Aurora, Town of Eagle, Town of Gypsum, Town of Minturn, Town of Vail, Vail Resorts, Colorado Springs Utilities, Denver Water, and the U.S. Department of Agriculture Forest Service (FS). As part of this study, previously collected macroinvertebrate and algal data from the Eagle River watershed were compiled. This report includes two tables: table 1, macroinvertebrate data collected by the USGS and/or the FS from 73 sites from 2000 to 2007 (fig. 1) and table 2, algal data collected from up to 26 sites between 2000 and 2001 in the Eagle River watershed (fig. 1). Additionally, a brief description of the sample collection methods and data processing procedures are presented. The macroinvertebrate data presented herein were analyzed by Zuellig and others (2010) to assess the biological condition of selected sites in the Eagle River watershed and to evaluate whether the dominant types of land use were associated with biological condition.

Sample Collection and Data Compilation Methods

Macroinvertebrates.—The USGS collected semiquantitative macroinvertebrate samples during 2000 and 2001 following National Water-Quality Assessment (NAWQA) Program protocols described by Cuffney and others (1993). In general, five discrete collections were made from riffle habitats at each site with a slack sampler equipped with 500-micron mesh and a 2.69 square feet (ft²) (0.25 square meter) sampling grid along a predefined reach (Fitzpatrick and others, 1998). The contents of the five collections were composited, and the volume was reduced in the field by elutriating and sieving (500-micron

mesh-metal sieve) until the sample volume was approximately 500 milliliters (mL) (about 1 pint). All samples were preserved in the field with 10-percent buffered formalin, and stored until they could be transported to Chadwick and Associates in Littleton, Colorado, where they were processed using methods described by Klemm and others (1990). All taxa were identified to the lowest practical resolution (for example, genus or species) and enumerated. All USGS macroinvertebrate samples were collected during base-flow conditions in September 2000 and 2001. Some sites were sampled in both years (table 1). Samples collected by this method are identified as NAWQA in table 1.

The FS collected macroinvertebrate samples between 2003 and 2007 using methods described by Hawkins and others (2001). In general, eight discrete collections of macroinvertebrates were composited from four riffle locations within a stream reach using a surber sampler equipped with 500-micron mesh and a 1 ft² sampling grid. The macroinvertebrates collected from each site were composited, processed, and preserved in the field using methods similar to those used by the USGS. All FS samples were sent to Aquatics Associates, Inc., in Fort Collins, Colorado, for sample processing following protocols developed by Klemm and others (1990). Additionally, the FS sampled macroinvertebrate communities from a series of sites along the Eagle River in the upper part of the watershed (table 1, fig. 1, sites 5, 9, 11–12, 17, 22, 24). At these sites, five macroinvertebrate samples were collected from riffle habitats using a Hess sampler (0.923 ft²) equipped with 500-micron mesh and preserved separately in the field and sent to Aquatics Associates Inc. in Ft. Collins, Colorado, for sample processing. All taxa in each sample were identified to the lowest practical resolution (for example, genus or species) and enumerated. All FS macroinvertebrate samples were collected during base-flow conditions during September (2003–07). In table 1, samples collected by the FS are identified as being collected by a surber or Hess sampler. For further information on macroinvertebrate sample collection see Zuellig and others (2010).

Macroinvertebrate Data Preparation and Comparability.—Three adjustments were made to the compiled Eagle River watershed macroinvertebrate data presented in table 1. First, the taxonomic names used by the different laboratories that made macroinvertebrate identifications were harmonized. Harmonizing

2 Macroinvertebrate and Algal Community Sample Collection Methods and Data Collected in Colorado, 2000–07

Figure 1. Locations of sampling sites in the Eagle River watershed, Colorado, 2000–07.

the taxonomic names can make the data more comparable but often some level of resolution is lost. Second, the laboratory results were composited from the five FS Hess samples made at associated sites to better represent the composited samples required by the other two field protocols (Cuffney and others, 1993; Hawkins and others, 2001). Third, the raw data counts for each sample were standardized to 300 by randomly resampling individuals without replacement. Such adjustments to raw data counts can help alleviate the affect of varying levels of sampling effort (for example, area sampled in the field or subsample target counts) on estimates of taxa richness (Peterson and Zumberge, 2006), even when different sampling devices are used (Cao and others, 2005). These types of fixed count adjustments are necessary even if data are not compiled from different sources. For example, standardized laboratory subsampling procedures result in a wide range of individuals extracted from a sample which differentially affects taxa richness across samples (Vinson and Hawkins, 1996). For further information on macroinvertebrate data preparation, see Zuellig and others (2010).

Algae.—Quantitative epilithic algal samples were collected from submerged cobbles in different riffles associated with each USGS invertebrate sample following the top-rock scrape procedure described by Porter and others (1993). In brief, a replicate sample consisted of five discrete collections scraped from the tops of submerged cobbles in riffle habitat. The contents of the five discrete collections were composited, volume recorded, and preserved in the field with 5-percent buffered formalin to form a single replicate sample and shipped to the laboratory for processing. Additionally, the surface area scraped on each cobble was quantified by outlining the area with a wax pencil, wrapping the scraped area with aluminum foil, and digitizing the area of the foil in the laboratory. Algae were identified and enumerated from permanent slides at 1,000-X power by personnel at the Patrick Center of Environmental Research (The Academy of Natural Sciences, Philadelphia, Pennsylvania) using the methods described in Charles and others (2002). All algae samples were collected during base-flow conditions in September 2000 and 2001. Some sites were sampled in both 2000 and 2001 (table 2). Additionally, multiple replicate algal samples were collected at 6 of the 26 sites which are distinguished by a replicate number in table 2.

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Tables

6 Macroinvertebrate and Algal Community Sample Collection Methods and Data Collected in Colorado, 2000–07

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	Station name	Station ID ²	Latitude	Longitude	Elevation NAVD 88 (ft)
1	East Fork Eagle River above Colorado Trail Bridge	EFER-R1-1.06	39°25'11"	106°18'07"	9,326
2	South Fork Eagle River above East Fork	SFER-R1-0.08	39°25'15"	106°18'48"	9,304
3	Pearl Creek approximately 1.4 miles from mouth	PERL-R1-2.37	39°27'04"	106°16'32"	10,238
4	Resolution Creek above Pearl Creek	RESL-R1-1.680	39°27'06"	106°18'37"	9,546
5	Eagle River Below Resolution Creek	EAGL-R1-95.27	39°26'57"	106°19'42"	9,206
6	Eagle River at Red Cliff	09063000	39°30'30"	106°21'58"	8,654
6	Eagle River at Red Cliff	09063000	39°30'30"	106°21'58"	8,654
7	East Fork Homestake Creek above County Line	EFHS-R2-2.883	39°21'14"	106°27'15"	10,415
8	Homestake Creek near Red Cliff	09064500	39°28'24"	106°22'02"	8,783
9	Eagle River above Homestake Creek	EAGL-85.162	39°30'26"	106°22'43"	8,585
10	Eagle River below Homestake Creek near Red Cliff	393030106224700	39°30'30"	106°22'47"	8,820
10	Eagle River below Homestake Creek near Red Cliff	393030106224700	39°30'30"	106°22'47"	8,820
11	Eagle River upstream of Belden	EAGL-82.442	39°31'27"	106°23'45"	8,398
12	Eagle River upstream of Fall Creek	EAGL-81.615	39°31'37"	106°23'59"	8,344
13	Eagle River below Bishop Gulch	EAGL-79.449	39°32'41"	106°24'16"	8,156
14	Eagle River near Minturn	09064600	39°33'14"	106°24'07"	8,078
15	Un-named Trib to Two Elk Creek	EARL-R1-0.191	39°34'49"	106°20'48"	9,505
16	Two Elk Creek below Tea Cup Bowl	TOEL-R1-5.197	39°34'58"	106°21'12"	9,220
16	Two Elk Creek below Tea Cup Bowl	TOEL-R1-5.197	39°34'58"	106°21'12"	9,220
17	Eagle River above Two Elk Creek	EAGL-76.850	39°33'51"	106°24'09"	8,014
18	Cross Creek near Reeds Meadow	CROS-R3-15.51	39°29'05"	106°30'10"	9,870
18	Cross Creek near Reeds Meadow	CROS-R3-15.51	39°29'05"	106°30'10"	9,870
18	Cross Creek near Reeds Meadow	CROS-R3-15.51	39°29'05"	106°30'10"	9,870
19	Cross Creek approximately 3.2 miles above wilderness boundary	CROS-R2-8.40	39°31'16"	106°27'14"	9,147
20	Cross Creek above wilderness boundary	CROSS_01R-4.9955	39°32'35"	106°26'03"	8,682
21	Cross Creek near Minturn	09065100	39°34'05"	106°24'43"	7,992
22	Eagle River below Cross Creek	EAGL-74.978	39°34'39"	106°24'47"	7,917
23	West Grouse Creek below pack trail crossing	WGRO-2.794	39°34'30"	106°27'51"	9,391
24	Eagle River below Game Creek	EAGL-71.778	39°35'54"	106°26'03"	7,804
25	Eagle River above Gore Creek near Minturn	393627106264000	39°36'27"	106°26'40"	7,730
26	Gore Creek near Red Buffalo Pass	GORE-R9-27.102	39°37'21"	106°11'20"	10,636
27	Gore Creek approximately 3.5 miles above wilderness boundary	GORE-R8-25.38	39°37'28"	106°12'20"	10,172
27	Gore Creek approximately 3.5 miles above wilderness boundary	GORE-R8-25.38	39°37'28"	106°12'20"	10,172
27	Gore Creek approximately 3.5 miles above wilderness boundary	GORE-R8-25.38	39°37'28"	106°12'20"	10,172
28	Gore Creek approximately 2 miles above wilderness boundary	GORE-R7-23.05	39°37'33"	106°13'49"	9,779
28	Gore Creek approximately 2 miles above wilderness boundary	GORE-R7-23.05	39°37'33"	106°13'49"	9,779
28	Gore Creek approximately 2 miles above wilderness boundary	GORE-R7-23.05	39°37'33"	106°13'49"	9,779
29	Gore Creek at Upper Station near Minturn	09065500	39°37'33"	106°16'39"	8,600
29	Gore Creek at Upper Station near Minturn	09065500	39°37'33"	106°16'39"	8,600
29	Gore Creek at Upper Station near Minturn	09065500	39°37'33"	106°16'39"	8,600
29	Gore Creek at Upper Station near Minturn	09065500	39°37'33"	106°16'39"	8,600
29	Gore Creek at Upper Station near Minturn	09065500	39°37'33"	106°16'39"	8,600
30	Black Gore Creek below Black Lake No. 2	BGOR-R4-10.64	39°33'16"	106°13'40"	10,339
30	Black Gore Creek below Black Lake No. 2	BGOR-R4-10.64	39°33'16"	106°13'40"	10,339
30	Black Gore Creek below Black Lake No. 2	BGOR-R4-10.64	39°33'16"	106°13'40"	10,339
30	Black Gore Creek below Black Lake No. 2	BGOR-R4-10.64	39°33'16"	106°13'40"	10,339
31	Black Gore Creek above Polk Creek	BGOR-R3-5.73	39°35'26"	106°14'45"	9,482
31	Black Gore Creek above Polk Creek	BGOR-R3-5.73	39°35'26"	106°14'45"	9,482
31	Black Gore Creek above Polk Creek	BGOR-R3-5.73	39°35'26"	106°14'45"	9,482
32	Polk Creek approximately 1.25 miles above wilderness boundary	POLK-R3-2.90	39°34'26"	106°13'42"	10,277
32	Polk Creek approximately 1.25 miles above wilderness boundary	POLK-R3-2.90	39°34'26"	106°13'42"	10,277
32	Polk Creek approximately 1.25 miles above wilderness boundary	POLK-R3-2.90	39°34'26"	106°13'42"	10,277
33	Polk Creek above wilderness boundary	POLK-R2-0.97	39°35'19"	106°14'12"	9,911
33	Polk Creek above wilderness boundary	POLK-R2-0.97	39°35'19"	106°14'12"	9,911
33	Polk Creek above wilderness boundary	POLK-R2-0.97	39°35'19"	106°14'12"	9,911
34	Black Gore Creek near Minturn	09066000	39°35'47"	106°15'52"	9,150
34	Black Gore Creek near Minturn	09066000	39°35'47"	106°15'52"	9,150
34	Black Gore Creek near Minturn	09066000	39°35'47"	106°15'52"	9,150
34	Black Gore Creek near Minturn	09066000	39°35'47"	106°15'52"	9,150
34	Black Gore Creek near Minturn	09066000	39°35'47"	106°15'52"	9,150
35	Timber Creek at mouth	TIMBER-R1-01R-0.4444	39°35'58"	106°16'11"	9,119
36	Black Gore Creek at I-70 milepost 183	BGOR-R1-1.83	39°36'37"	106°16'34"	8,921
36	Black Gore Creek at I-70 milepost 183	BGOR-R1-1.83	39°36'37"	106°16'34"	8,921
36	Black Gore Creek at I-70 milepost 183	BGOR-R1-1.83	39°36'37"	106°16'34"	8,921
36	Black Gore Creek at I-70 milepost 183	BGOR-R1-1.83	39°36'37"	106°16'34"	8,921

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	Station name	Station ID ²	Latitude	Longitude	Elevation NAVD 88 (ft)
37	Black Gore Creek near Vail	09066050	39°37'24"	106°16'47"	8,570
37	Black Gore Creek near Vail	09066050	39°37'24"	106°16'47"	8,570
38	Gore Creek at Bighorn Park	GORE-R4-17.37	39°37'48"	106°17'15"	8,516
38	Gore Creek at Bighorn Park	GORE-R4-17.37	39°37'48"	106°17'15"	8,516
38	Gore Creek at Bighorn Park	GORE-R4-17.37	39°37'48"	106°17'15"	8,516
39	Gore Creek above Katsos	393836106182500	39°38'36"	106°18'25"	8,355
39	Gore Creek above Katsos	393836106182500	39°38'36"	106°18'25"	8,355
39	Gore Creek above Katsos	393836106182500	39°38'36"	106°18'25"	8,355
39	Gore Creek above Katsos	393836106182500	39°38'36"	106°18'25"	8,355
39	Gore Creek above Katsos	393836106182500	39°38'36"	106°18'25"	8,355
40	Booth Creek approximately 1.0 miles above wilderness boundary	booth_R3_02R-2.5407	39°39'53"	106°18'47"	9,317
41	Gore Creek downstream of Pulis Bridge	393825106213400	39°38'25"	106°21'34"	8,236
41	Gore Creek downstream of Pulis Bridge	393825106213400	39°38'25"	106°21'34"	8,236
41	Gore Creek downstream of Pulis Bridge	393825106213400	39°38'25"	106°21'34"	8,236
41	Gore Creek downstream of Pulis Bridge	393825106213400	39°38'25"	106°21'34"	8,236
41	Gore Creek downstream of Pulis Bridge	393825106213400	39°38'25"	106°21'34"	8,236
42	Un-named Tributary to Mill Creek draining Northeast Bowl	NEBL-R1-0.374	39°37'17"	106°21'01"	9,548
42	Un-named Tributary to Mill Creek draining Northeast Bowl	NEBL-R1-0.374	39°37'17"	106°21'01"	9,548
43	Un-named Tributary to Mill Creek near Mid Vail	PTAR-R1-0.066	39°37'36"	106°21'59"	8,878
44	Mill Creek near Vail	393824106221700	39°38'24"	106°22'17"	8,210
44	Mill Creek near Vail	393824106221700	39°38'24"	106°22'17"	8,210
45	Middle Creek approximately 0.5 miles above wilderness boundary	MIDL-R4-1.211	39°39'08"	106°22'44"	8,644
46	Middle Creek above wilderness boundary	MIDL-R3-0.675	39°38'52"	106°22'50"	8,419
47	Gore Creek at Lower Station at Vail	09066310	39°38'28"	106°23'37"	8,060
48	Red Sandstone Creek above South Fork Red Sandstone	RDSS-R3-7.588	39°41'57"	106°23'35"	9,629
49	Red Sandstone Creek below Sandstone Creek Road	RDSS-R2-5.338	39°40'55"	106°24'07"	9,206
50	Red Sandstone Creek at Town of Vail city limit	RDSS-R1-0.843	39°38'53"	106°23'47"	8,238
51	Gore Creek below WWTP	393826106235300	39°38'26"	106°23'53"	8,050
52	Gore Creek at Stephens Park	393715106253600	39°37'15"	106°25'36"	7,825
52	Gore Creek at Stephens Park	393715106253600	39°37'15"	106°25'36"	7,825
52	Gore Creek at Stephens Park	393715106253600	39°37'15"	106°25'36"	7,825
52	Gore Creek at Stephens Park	393715106253600	39°37'15"	106°25'36"	7,825
52	Gore Creek at Stephens Park	393715106253600	39°37'15"	106°25'36"	7,825
53	Gore Creek at mouth near Mintum	09066510	39°36'34"	106°26'50"	7,730
53	Gore Creek at mouth near Mintum	09066510	39°36'34"	106°26'50"	7,730
54	Beaver Creek below wilderness boundary	BVRC-R1-7.075	39°34'24"	106°31'58"	9,322
55	Beaver Creek above Avon	393501106313200	39°35'01"	106°31'32"	8,840
55	Beaver Creek above Avon	393501106313200	39°35'01"	106°31'32"	8,840
56	Beaver Creek at Avon	09067000	39°37'47"	106°31'20"	7,453
57	Eagle River at Avon	09067005	39°37'54"	106°31'19"	7,410
57	Eagle River at Avon	09067005	39°37'54"	106°31'19"	7,410
58	June Creek above June Creek Ditch	JUNE-R1-3.430	39°40'07"	106°33'11"	7,996
59	Eagle River at Edwards	393845106353000	39°38'45"	106°35'30"	7,180
59	Eagle River at Edwards	393845106353000	39°38'45"	106°35'30"	7,180
60	Berry Creek above USFS road crossing	BERY-R1-2.841	39°39'59"	106°34'40"	7,719
61	West Lake Creek below wilderness boundary	WLAK-R1-11.324	39°32'16"	106°36'56"	9,592
62	West Lake Creek near Edwards	393523106364700	39°35'23"	106°36'47"	8,300
63	Lake Creek near Edwards	09067200	39°38'51"	106°36'31"	7,160
63	Lake Creek near Edwards	09067200	39°38'51"	106°36'31"	7,160
64	Squaw Creek below wilderness boundary	SQAW-R3-12.28	39°33'52"	106°38'17"	9,357
65	Squaw Creek above Poison Gulch	SQAW-R1-8.75	39°35'31"	106°38'57"	8,512
65	Squaw Creek above Poison Gulch	SQAW-R1-8.75	39°35'31"	106°38'57"	8,512
66	Squaw Creek at mouth near Edwards	393930106382001	39°39'30"	106°38'20"	7,120
67	Eagle River at Eagle Springs Golf Course near Wolcott	394129106393300	39°41'29"	106°39'33"	6,980
68	Eagle River below Milk Creek near Wolcott	394220106431500	39°42'18"	106°43'33"	6,820
68	Eagle River below Milk Creek near Wolcott	394220106431500	39°42'18"	106°43'33"	6,820
69	Eagle River above Brush Creek at Eagle	393852106503200	39°38'52"	106°50'32"	6,500
70	East Brush Creek above Confluence	393221106450700	39°32'21"	106°45'07"	7,630
71	Brush Creek at mouth near Eagle	393851106503400	39°38'51"	106°50'34"	6,500
71	Brush Creek at mouth near Eagle	393851106503400	39°38'51"	106°50'34"	6,500
72	Eagle River at Gypsum	09069000	39°39'00"	106°57'06"	6,276
72	Eagle River at Gypsum	09069000	39°39'00"	106°57'06"	6,276
73	Gypsum Creek at mouth	393858106570900	39°38'58"	106°57'09"	6,280
73	Gypsum Creek at mouth	393858106570900	39°38'58"	106°57'09"	6,280

8 Macroinvertebrate and Algal Community Sample Collection Methods and Data Collected in Colorado, 2000–07

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	Drainage area (mi ²)	Data source	Year	Date	Sample collection method ³	<i>Acarina</i> ⁴	<i>Acentrella</i>	<i>Agapetus</i>	<i>Ameletus</i>	<i>Amphinemura</i>	<i>Anagapetus</i>
1	18.7	FS	2005	9/7/2005	surber	23	0	0	7	0	1
2	19	FS	2005	9/7/2005	surber	0	0	0	2	0	4
3	2.44	FS	2005	9/7/2005	surber	18	0	0	2	0	0
4	11.5	FS	2006	8/15/2006	surber	5	0	0	0	0	0
5	58.7	FS	2005	9/8/2005	Hess	17	0	0	1	0	0
6	70	USGS	2000	8/17/2000	NAWQA	0	3	0	1	0	0
6	70	USGS	2001	8/16/2001	NAWQA	0	0	0	0	0	0
7	5.3	FS	2006	9/18/2006	surber	6	0	0	1	0	0
8	58.2	USGS	2000	8/17/2000	NAWQA	4	2	0	0	0	0
9	100	FS	2007	10/9/2007	Hess	11	0	0	0	0	0
10	164	USGS	2000	8/17/2000	NAWQA	1	1	0	0	0	0
10	164	USGS	2001	8/16/2001	NAWQA	1	0	0	0	0	0
11	169	FS	2007	10/10/2007	Hess	10	0	0	0	0	0
12	169	FS	2007	10/10/2007	Hess	7	0	0	0	0	0
13	185	FS	2007	10/10/2007	surber	1	0	0	0	0	0
14	186	USGS	2000	8/16/2000	NAWQA	3	0	0	1	0	0
15	1.5	FS	2003	9/9/2003	surber	15	0	0	0	0	0
16	7.7	FS	2004	8/5/2004	surber	3	0	0	1	0	0
16	7.7	FS	2005	9/7/2005	surber	13	0	0	2	0	0
17	187	FS	2007	10/9/2007	Hess	2	2	0	0	0	0
18	16.1	FS	2005	9/15/2005	surber	2	0	0	4	0	0
18	16.1	FS	2006	10/2/2006	surber	5	0	0	14	0	0
18	16.1	FS	2007	9/25/2007	surber	4	0	0	23	0	0
19	28.4	FS	2005	9/15/2005	surber	0	0	0	14	0	0
20	32.6	FS	2005	9/15/2005	surber	1	0	0	3	0	0
21	34.2	USGS	2000	8/16/2000	NAWQA	12	4	0	0	0	0
22	238	FS	2007	10/9/2007	Hess	3	2	0	0	0	0
23	4.7	FS	2007	8/1/2007	surber	5	0	0	0	0	0
24	259	FS	2007	10/9/2007	Hess	20	1	0	0	0	0
25	260	USGS	2000	8/16/2000	NAWQA	1	0	0	1	0	0
26	1.39	FS	2005	9/20/2005	surber	19	0	0	11	0	0
27	5.46	FS	2004	9/24/2004	surber	4	0	0	27	0	0
27	5.46	FS	2005	9/12/2005	surber	16	0	0	10	0	0
27	5.46	FS	2007	10/2/2007	surber	4	0	0	23	0	0
28	8.2	FS	2004	9/24/2004	surber	13	0	0	22	0	1
28	8.2	FS	2005	9/12/2005	surber	13	0	0	3	0	0
28	8.2	FS	2007	10/2/2007	surber	3	0	0	20	0	0
29	14.4	USGS	2000	8/18/2000	NAWQA	11	0	0	0	0	0
29	14.4	USGS	2001	8/14/2001	NAWQA	0	0	0	0	0	0
29	14.4	FS	2004	9/27/2004	surber	7	0	0	0	0	2
29	14.4	FS	2005	9/6/2005	surber	2	1	0	0	0	0
29	14.4	FS	2007	9/12/2007	surber	18	0	0	0	0	0
30	2.1	FS	2004	9/21/2004	surber	3	0	0	1	0	0
30	2.1	FS	2005	9/20/2005	surber	3	0	0	0	0	0
30	2.1	FS	2006	8/28/2006	surber	0	0	0	0	0	0
30	2.1	FS	2007	9/20/2007	surber	1	0	0	0	0	0
31	4.6	FS	2004	9/21/2004	surber	2	0	0	1	0	0
31	4.6	FS	2005	9/20/2005	surber	8	0	0	5	0	0
31	4.6	FS	2006	8/28/2006	surber	0	0	0	2	0	0
31	4.6	FS	2007	9/17/2007	surber	4	0	0	0	0	0
32	1.48	FS	2004	9/23/2004	surber	6	0	0	1	0	0
32	1.48	FS	2005	9/19/2005	surber	8	0	0	17	0	0
32	1.48	FS	2006	8/30/2006	surber	10	0	0	3	0	0
33	2.46	FS	2004	9/23/2004	surber	7	0	0	1	0	0
33	2.46	FS	2005	9/19/2005	surber	7	0	0	6	0	0
33	2.46	FS	2006	8/29/2006	surber	9	0	0	0	0	0
33	2.46	FS	2007	9/20/2007	surber	8	0	0	3	0	0
34	12.6	USGS	2000	8/17/2000	NAWQA	1	0	0	0	0	0
34	12.6	FS	2004	9/22/2004	surber	14	0	0	5	0	0
34	12.6	FS	2005	9/20/2005	surber	6	0	0	5	0	0
34	12.6	FS	2006	8/31/2006	surber	15	0	0	0	0	0
34	12.6	FS	2007	9/17/2007	surber	4	0	0	3	0	0
35	3.4	FS	2005	9/14/2005	surber	5	0	0	14	0	0
36	18.6	FS	2004	9/27/2004	surber	52	0	0	0	0	0
36	18.6	FS	2005	9/20/2005	surber	33	0	0	8	0	0
36	18.6	FS	2006	8/31/2006	surber	12	11	0	1	0	0
36	18.6	FS	2007	9/6/2007	surber	7	1	0	2	0	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	Drainage area (mi ²)	Data source	Year	Date	Sample collection method ³	<i>Acarina</i> ⁴	<i>Acentrella</i>	<i>Agapetus</i>	<i>Ameletus</i>	<i>Amphinemura</i>	<i>Anagapetus</i>
37	19.6	USGS	2000	8/17/2000	NAWQA	1	4	0	0	0	0
37	19.6	USGS	2001	8/17/2001	NAWQA	2	1	0	0	0	0
38	35.4	FS	2005	9/6/2005	surber	9	1	0	0	0	0
38	35.4	FS	2006	9/5/2006	surber	29	0	0	0	0	0
38	35.4	FS	2007	9/12/2007	surber	2	0	0	0	0	0
39	47.6	USGS	2000	8/18/2000	NAWQA	3	2	0	0	0	0
39	47.6	FS	2004	9/27/2004	surber	27	0	0	0	0	0
39	47.6	FS	2005	9/6/2005	surber	17	0	0	0	0	0
39	47.6	FS	2006	9/5/2006	surber	33	0	0	0	0	0
39	47.6	FS	2007	9/12/2007	surber	7	0	0	0	0	0
40	4.1	FS	2005	9/19/2005	surber	70	0	0	15	0	0
41	58.7	USGS	2000	8/18/2000	NAWQA	6	8	0	0	0	0
41	58.7	FS	2004	9/27/2004	surber	35	0	0	0	0	0
41	58.7	FS	2005	9/6/2005	surber	31	0	0	0	0	0
41	58.7	FS	2006	9/5/2006	surber	48	0	0	0	0	0
41	58.7	FS	2007	9/12/2007	surber	39	0	0	0	0	0
42	1.1	FS	2003	9/9/2003	surber	1	0	0	2	0	0
42	1.1	FS	2005	9/13/2005	surber	3	0	0	2	0	0
43	1.1	FS	2005	9/13/2005	surber	16	0	0	0	0	0
44	7.5	USGS	2000	8/17/2000	NAWQA	16	0	0	0	0	0
44	7.5	USGS	2001	8/17/2001	NAWQA	0	0	0	0	0	0
45	5.82	FS	2005	9/19/2005	surber	10	0	0	1	0	0
46	5.9	FS	2005	9/14/2005	surber	5	0	0	0	0	0
47	77.1	USGS	2000	8/18/2000	NAWQA	4	0	0	0	0	0
48	2.4	FS	2006	9/29/2006	surber	19	0	0	2	0	1
49	7.4	FS	2006	9/27/2006	surber	6	0	0	2	0	0
50	13.8	FS	2006	9/25/2006	surber	15	0	0	0	0	1
51	91.1	USGS	2000	8/18/2000	NAWQA	2	0	0	0	0	0
52	100	USGS	2000	8/18/2000	NAWQA	6	1	0	0	0	0
52	100	FS	2004	9/27/2004	surber	16	0	0	0	0	0
52	100	FS	2005	9/6/2005	surber	27	0	0	0	0	0
52	100	FS	2006	9/5/2006	surber	21	0	0	0	0	0
52	100	FS	2007	9/12/2007	surber	12	0	0	0	0	0
53	102	USGS	2000	8/17/2000	NAWQA	1	7	0	0	0	0
53	102	USGS	2001	8/16/2001	NAWQA	0	3	0	0	0	0
54	7.1	FS	2005	10/6/2005	surber	6	0	0	0	0	3
55	8.1	USGS	2000	8/16/2000	NAWQA	0	0	0	0	0	0
55	8.1	USGS	2001	8/16/2001	NAWQA	1	0	0	0	0	0
56	14.8	USGS	2000	8/16/2000	NAWQA	0	0	0	0	0	0
57	395	USGS	2000	8/16/2000	NAWQA	2	0	0	0	0	0
57	395	USGS	2001	8/16/2001	NAWQA	0	0	0	0	0	0
58	5.2	FS	2006	9/28/2006	surber	0	0	0	7	10	0
59	424	USGS	2000	8/15/2000	NAWQA	0	0	0	0	0	0
59	424	USGS	2001	8/16/2001	NAWQA	0	0	0	0	0	0
60	5	FS	2006	9/22/2006	surber	3	0	0	0	0	0
61	4.34	FS	2006	9/27/2006	surber	9	0	0	1	0	0
62	11	USGS	2000	8/15/2000	NAWQA	0	0	0	0	0	0
63	49	USGS	2000	8/15/2000	NAWQA	0	0	0	0	2	0
63	49	USGS	2001	8/15/2001	NAWQA	0	0	2	0	0	0
64	2.1	FS	2005	9/12/2005	surber	14	0	0	4	0	0
65	4.12	FS	2005	9/12/2005	surber	0	0	0	1	0	0
65	4.12	FS	2006	9/21/2006	surber	4	0	0	0	0	0
66	17.4	USGS	2000	8/15/2000	NAWQA	0	0	0	0	1	0
67	517	USGS	2000	8/15/2000	NAWQA	2	0	0	0	0	0
68	600	USGS	2000	8/15/2000	NAWQA	3	0	0	0	0	0
68	600	USGS	2001	8/15/2001	NAWQA	1	0	1	0	0	0
69	646	USGS	2000	8/14/2000	NAWQA	0	0	0	0	0	0
70	32.6	USGS	2000	8/14/2000	NAWQA	0	0	0	0	0	0
71	147	USGS	2000	8/14/2000	NAWQA	0	0	1	0	0	0
71	147	USGS	2001	8/15/2001	NAWQA	0	0	0	0	0	0
72	842	USGS	2000	8/14/2000	NAWQA	3	0	0	0	0	0
72	842	USGS	2001	8/15/2001	NAWQA	0	0	0	0	0	0
73	103	USGS	2000	8/14/2000	NAWQA	0	0	0	0	0	0
73	103	USGS	2001	8/15/2001	NAWQA	1	0	0	0	0	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Antocha</i>	<i>Arctopsyche</i>	<i>Asellidae</i>	<i>Atherix</i>	<i>Attenella</i>	<i>Baetis</i>	<i>Blephariceridae</i>	<i>Brachycentrus</i>	<i>Caloparyphus</i> <i>Euparyphus</i>	<i>Capniidae</i>
1	0	2	0	0	0	40	0	0	0	0
2	0	2	0	0	0	15	0	0	0	0
3	0	0	0	0	0	20	0	0	0	0
4	0	11	0	0	0	132	0	0	0	0
5	2	2	0	0	0	39	0	1	0	1
6	0	12	0	0	0	130	0	2	0	0
6	1	25	0	0	0	113	0	1	0	0
7	0	4	0	0	0	17	0	1	0	2
8	0	7	0	0	2	50	0	3	0	0
9	38	18	0	0	0	46	0	22	0	0
10	0	5	0	0	0	29	0	0	0	0
10	0	15	0	0	0	52	0	5	0	0
11	41	6	0	13	0	11	0	14	0	0
12	19	11	0	3	0	6	0	26	0	0
13	25	8	0	2	0	3	0	34	0	1
14	0	14	0	1	0	53	0	4	0	3
15	0	0	0	0	0	4	0	0	0	0
16	0	0	0	0	0	137	0	0	0	0
16	0	2	0	0	0	39	0	0	0	0
17	35	15	0	7	0	51	0	87	0	0
18	0	3	0	0	0	50	2	0	0	2
18	0	12	0	0	0	46	0	0	0	3
18	0	8	0	0	0	35	0	0	0	1
19	0	2	0	0	0	106	0	0	0	2
20	0	19	0	0	0	98	0	0	0	0
21	0	5	0	0	0	60	0	27	0	0
22	32	17	0	2	0	68	0	34	0	0
23	0	0	0	0	0	50	0	0	0	0
24	36	7	0	22	0	16	0	97	0	0
25	1	35	0	5	0	24	0	68	0	0
26	0	0	0	0	0	5	0	0	0	0
27	0	2	0	0	0	33	0	0	0	8
27	0	0	0	0	0	21	0	0	0	3
27	0	0	0	0	0	64	0	0	0	2
28	0	0	0	0	0	21	0	0	0	4
28	0	7	0	0	0	25	15	1	0	4
28	0	1	0	0	0	92	0	0	0	8
29	0	0	0	0	0	55	0	0	0	0
29	0	1	0	0	0	114	0	0	0	2
29	0	32	0	0	0	62	0	0	0	2
29	0	51	0	0	0	55	3	0	0	6
29	0	35	0	0	0	41	0	1	0	4
30	0	0	1	0	0	4	0	1	0	4
30	0	0	0	0	0	2	0	0	0	6
30	0	0	0	0	0	12	0	0	0	1
30	0	0	0	0	0	6	0	0	0	0
31	0	0	0	0	0	15	0	0	0	5
31	0	0	0	0	0	1	0	0	0	0
31	0	0	0	0	0	230	0	0	0	0
31	1	0	0	0	0	10	0	0	0	6
32	0	0	0	0	0	2	0	0	0	0
32	0	0	0	0	0	7	0	0	0	0
32	0	0	0	0	0	82	0	0	0	1
33	0	1	0	0	0	11	0	0	0	1
33	0	0	0	0	0	22	1	0	0	1
33	0	0	0	0	0	61	0	0	0	1
33	0	0	0	0	0	26	0	0	0	1
34	0	0	0	0	0	75	0	0	0	3
34	0	0	0	0	0	7	0	0	0	2
34	0	0	0	0	0	2	0	0	0	0
34	0	0	0	0	0	66	0	0	0	3
34	0	1	0	0	0	32	0	2	0	13
35	0	0	0	0	0	28	0	0	0	0
36	0	0	0	0	0	29	0	0	0	1
36	0	1	0	0	0	35	0	0	0	1
36	0	1	0	0	0	97	0	0	0	1
36	0	1	0	0	0	52	0	0	0	2

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

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Site ID ¹	<i>Antocha</i>	<i>Arctopsyche</i>	<i>Asellidae</i>	<i>Atherix</i>	<i>Attenella</i>	<i>Baetis</i>	<i>Blephariceridae</i>	<i>Brachycentrus</i>	<i>Caloparyphus</i> <i>Euparyphus</i>	<i>Capniidae</i>
37	0	1	0	0	0	115	0	0	0	0
37	0	3	0	0	0	178	0	2	0	0
38	0	0	0	0	0	30	0	0	0	0
38	0	8	0	0	0	76	0	1	0	0
38	0	0	0	0	0	101	0	2	0	0
39	0	11	0	0	0	100	0	1	0	0
39	0	2	0	0	0	89	0	3	0	3
39	0	1	0	0	0	19	0	3	0	0
39	0	0	0	0	0	52	0	10	0	0
39	0	0	0	0	0	169	0	3	0	0
40	0	0	0	0	0	9	0	0	0	5
41	0	16	0	0	0	51	0	39	0	0
41	4	1	0	0	0	21	0	12	0	0
41	2	7	0	0	0	14	0	30	0	0
41	0	0	0	0	0	21	0	75	0	0
41	1	0	0	0	0	47	0	63	0	0
42	0	0	0	0	0	2	0	0	0	0
42	0	0	0	0	0	1	0	0	0	0
43	0	0	0	0	0	1	0	0	0	0
44	0	0	0	0	0	4	0	0	0	0
44	0	0	0	0	0	33	0	0	0	0
45	0	0	0	0	0	9	0	0	0	0
46	0	0	0	0	0	29	0	0	0	0
47	0	1	0	0	0	15	0	6	0	0
48	0	0	0	0	0	3	0	0	0	0
49	0	1	0	0	0	24	0	0	0	0
50	1	10	0	0	0	36	0	5	0	7
51	0	1	0	0	0	18	0	0	0	0
52	0	0	0	0	0	21	0	2	0	0
52	1	0	0	0	0	105	0	21	0	0
52	5	0	0	0	0	86	0	25	0	0
52	0	0	0	0	0	83	0	44	0	0
52	0	0	0	0	0	43	0	40	0	0
53	0	1	0	0	0	13	0	212	0	0
53	0	0	0	0	0	34	0	100	0	0
54	0	4	0	0	0	54	0	0	0	0
55	0	0	0	0	0	17	0	0	0	0
55	0	8	0	0	0	12	0	0	0	0
56	0	14	0	0	0	39	0	2	0	0
57	0	3	0	1	0	4	0	125	0	0
57	1	8	0	3	0	39	3	34	0	0
58	0	0	0	0	0	139	0	0	0	6
59	0	14	0	0	0	20	0	34	0	0
59	1	7	0	0	0	26	0	52	0	0
60	2	19	0	0	0	32	0	1	1	0
61	0	0	0	0	0	1	0	0	0	0
62	0	0	0	0	0	53	0	0	0	2
63	0	9	0	0	0	168	0	0	0	0
63	0	0	0	0	0	33	0	5	0	0
64	0	0	0	0	0	3	0	0	0	0
65	0	0	0	0	0	17	0	0	0	0
65	1	0	0	0	0	8	0	0	0	3
66	0	0	0	0	0	101	0	0	0	0
67	0	3	0	2	0	52	0	45	0	0
68	0	12	0	2	0	82	0	31	0	0
68	0	3	0	1	2	88	0	43	0	0
69	0	2	0	4	1	25	0	94	0	0
70	0	1	0	0	0	40	0	0	0	0
71	5	6	0	1	0	32	0	7	0	0
71	0	3	0	1	0	12	0	42	0	0
72	1	0	0	3	0	12	0	106	0	0
72	0	0	0	0	2	24	0	163	0	0
73	0	2	0	2	0	30	0	49	0	0
73	1	1	0	0	0	34	0	47	1	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Ceratopogoninae</i>	<i>Chelifera</i>		<i>Chimarra</i>	<i>Chironominae</i>	<i>Cinygmula</i>	<i>Claassenia</i> <i>sabulosa</i>	<i>Cleptelmis</i>	<i>Clinocera</i>	<i>Cultus</i>	<i>Diamesinae</i>
		<i>Metachela</i>	<i>Neoplasta</i>								
1	0	0	0	0	5	39	0	0	0	0	0
2	0	0	0	0	0	1	0	0	0	0	1
3	0	3	0	0	4	7	0	0	0	0	0
4	0	0	0	0	4	14	0	0	0	0	0
5	0	0	0	0	12	5	0	0	0	0	24
6	0	0	0	0	47	0	0	4	0	1	1
6	1	0	0	0	13	0	0	0	0	2	15
7	0	0	0	0	15	3	0	0	0	0	0
8	0	1	0	0	21	10	0	30	0	0	17
9	0	2	0	0	0	0	1	0	0	0	0
10	0	0	0	0	5	1	0	0	0	0	39
10	0	0	0	0	16	4	1	0	0	1	4
11	0	1	0	0	0	0	3	0	0	0	0
12	0	2	0	0	0	0	2	0	0	0	0
13	0	1	0	0	0	0	1	0	0	0	0
14	4	3	0	0	13	1	0	0	0	0	29
15	0	4	0	0	0	7	0	0	0	0	15
16	0	0	0	0	4	8	0	0	3	0	11
16	0	0	0	0	8	3	0	0	0	0	3
17	0	0	0	0	0	0	3	0	0	0	0
18	0	0	0	0	1	3	0	0	0	0	2
18	0	0	0	0	6	6	0	0	0	0	4
18	0	0	0	0	6	0	0	0	0	0	4
19	0	0	0	0	40	1	0	0	0	0	0
20	0	0	0	0	6	3	3	0	0	0	2
21	0	2	1	25	0	0	3	0	0	0	30
22	0	1	0	0	0	0	15	0	0	0	0
23	0	0	0	12	2	0	0	0	0	0	2
24	0	1	0	0	0	0	2	0	0	0	0
25	0	1	0	5	2	0	0	0	0	1	17
26	0	0	0	0	25	0	0	0	0	0	1
27	0	0	0	37	21	0	0	0	0	0	1
27	0	0	0	2	6	0	0	0	0	0	5
27	0	0	0	15	29	0	0	0	0	0	1
28	0	0	0	32	7	0	0	0	0	0	0
28	0	0	0	11	1	0	0	0	0	0	0
28	0	0	0	36	18	0	0	0	0	0	0
29	0	0	0	34	10	0	0	0	0	0	3
29	1	0	0	78	1	0	0	0	0	0	5
29	0	0	0	12	1	0	0	0	0	0	0
29	0	0	0	0	2	0	0	0	0	0	1
29	0	1	0	13	1	0	0	0	0	0	66
30	0	0	0	0	0	0	0	0	0	0	41
30	0	0	0	0	0	1	0	0	0	0	11
30	0	0	0	11	0	0	0	0	0	0	27
30	0	0	0	1	9	0	0	0	0	0	5
31	0	3	0	4	0	0	0	0	0	0	1
31	0	0	0	18	0	0	0	0	0	0	1
31	0	0	0	1	0	0	0	0	0	0	0
31	0	0	0	3	1	0	0	0	0	0	3
32	0	0	0	6	7	0	0	0	0	0	0
32	0	0	0	24	7	0	0	0	0	0	0
32	0	1	0	0	13	0	0	0	0	0	0
33	0	5	0	5	2	0	0	0	0	0	1
33	0	1	0	2	2	0	0	0	0	0	0
33	0	0	0	1	6	0	0	0	0	0	2
33	0	2	0	0	10	0	0	0	0	0	1
34	0	0	0	1	8	0	0	0	0	9	12
34	0	0	0	8	0	0	0	0	0	0	2
34	0	0	0	17	0	0	0	0	1	0	0
34	0	1	0	2	3	0	0	0	0	0	1
34	0	0	0	0	0	0	0	0	0	0	6
35	0	2	0	0	4	0	0	0	0	0	1
36	0	1	0	0	0	1	0	0	0	0	0
36	0	0	0	3	3	0	0	0	0	0	5
36	0	0	0	0	18	0	0	0	0	0	4
36	0	0	0	0	0	10	0	0	0	0	29

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Ceratopogoninae</i>	<i>Chelifera</i>		<i>Chimarra</i>	<i>Chironominae</i>	<i>Cinygmula</i>	<i>Claassenia</i> <i>sabulosa</i>	<i>Cleptelmis</i>	<i>Clinocera</i>	<i>Cultus</i>	<i>Diamesinae</i>
		<i>Metachela</i>	<i>Neoplata</i>								
37	0	0	0	0	0	3	0	0	0	0	78
37	0	0	0	0	1	2	0	0	0	4	27
38	0	0	0	0	4	0	0	0	0	0	17
38	0	0	0	0	3	0	0	0	1	0	64
38	0	0	0	0	5	0	0	0	0	0	18
39	0	0	0	0	1	1	0	0	0	1	33
39	0	0	0	0	17	0	0	0	0	0	7
39	0	0	0	0	17	0	0	0	1	0	20
39	0	2	0	0	6	0	0	0	0	0	61
39	0	0	0	0	2	0	0	0	0	0	62
40	0	2	0	0	0	2	0	0	0	0	0
41	0	0	0	0	8	2	0	0	0	0	22
41	0	0	0	0	14	0	0	0	0	0	3
41	0	0	0	0	24	0	0	0	1	0	31
41	0	2	0	0	2	0	0	0	1	0	51
41	0	0	0	0	2	0	0	0	0	0	49
42	0	0	0	0	1	12	0	0	1	0	18
42	0	11	0	0	0	5	0	0	0	0	18
43	0	2	0	0	0	0	0	0	0	0	20
44	0	0	0	0	5	1	0	1	0	0	66
44	0	0	0	0	0	0	0	0	0	0	154
45	0	0	0	0	0	7	0	0	0	0	2
46	0	0	0	0	1	3	0	0	0	0	1
47	1	0	0	0	0	1	0	0	0	0	75
48	0	0	0	0	11	0	0	0	0	0	6
49	0	0	0	0	5	0	0	0	0	0	2
50	0	2	0	0	5	2	0	0	0	0	2
51	0	0	0	0	0	0	0	0	0	0	127
52	0	1	0	0	12	0	0	0	0	0	40
52	0	0	0	0	112	0	0	0	0	0	1
52	0	0	0	0	27	0	0	0	0	0	38
52	0	0	0	0	1	0	0	0	0	0	6
52	0	0	0	0	5	0	0	0	0	0	6
53	0	0	0	0	9	0	0	0	0	0	31
53	0	1	0	0	35	0	0	0	0	0	50
54	0	0	0	0	6	3	0	0	0	0	1
55	0	0	0	0	0	6	0	11	0	0	10
55	0	0	0	0	36	4	0	0	0	0	8
56	0	0	0	0	17	0	0	0	0	0	117
57	0	0	0	0	8	0	0	0	0	0	34
57	0	1	0	0	14	0	0	1	0	0	43
58	0	0	0	0	10	8	0	0	0	0	2
59	0	0	0	0	39	0	0	0	0	0	41
59	0	0	0	0	51	0	0	0	0	0	32
60	0	11	0	0	0	4	0	0	0	0	5
61	0	0	0	0	14	71	0	0	0	0	8
62	0	1	0	0	13	14	0	0	0	2	1
63	0	0	0	0	5	0	0	1	0	0	62
63	0	0	0	0	2	0	0	0	0	0	71
64	0	0	0	0	15	10	0	0	0	0	13
65	0	0	0	0	0	7	0	0	0	0	0
65	0	0	0	0	8	1	0	0	0	0	4
66	0	0	0	0	4	0	0	10	0	0	1
67	0	0	0	0	25	0	0	15	0	0	26
68	0	0	0	0	11	0	1	0	0	0	1
68	0	0	0	0	9	0	0	0	0	0	9
69	0	0	0	0	28	0	0	0	0	0	5
70	0	0	0	0	2	2	0	0	0	0	9
71	0	0	0	0	18	0	0	0	0	0	12
71	0	0	0	0	11	0	0	0	0	0	27
72	0	0	0	0	35	0	1	0	0	0	0
72	0	0	0	0	11	0	1	0	0	2	2
73	0	3	0	0	2	0	0	13	0	0	1
73	0	0	0	0	1	0	0	18	0	0	41

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID¹	<i>Dicosmoecus</i>	<i>Dicranota</i>	<i>Diphetor</i>	<i>Diura</i>	<i>Dixa</i>	<i>Dolophilodes</i>	<i>Drunella_</i> <i>coloradensis_flavilinea</i>	<i>Drunella_</i> <i>doddsi</i>	<i>Drunella_</i> <i>grandis</i>	<i>Epeorus</i>
1	0	0	0	0	0	0	1	6	2	12
2	0	0	1	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	0	1
4	0	0	0	0	0	3	2	9	4	10
5	0	0	0	0	0	0	0	4	4	0
6	0	1	0	0	0	0	4	5	0	4
6	0	0	0	0	0	2	1	1	0	3
7	0	1	5	0	0	0	0	18	0	0
8	0	0	0	0	0	0	8	3	0	3
9	27	0	0	0	0	0	0	0	0	16
10	0	0	0	0	0	0	1	7	2	7
10	0	0	0	0	0	1	0	31	2	8
11	11	0	0	0	0	0	0	0	0	64
12	11	0	0	0	2	0	0	0	0	94
13	6	0	0	0	2	0	0	0	0	130
14	0	0	0	0	0	0	0	58	2	1
15	0	0	0	0	0	0	0	1	0	0
16	0	0	0	0	0	0	4	0	0	4
16	0	0	0	0	0	1	0	6	0	4
17	13	0	0	0	0	0	0	0	0	36
18	0	2	0	0	0	0	0	3	0	0
18	0	0	0	0	0	0	0	6	0	0
18	0	0	0	1	0	0	0	2	0	0
19	0	0	0	0	0	0	0	1	1	0
20	0	1	0	0	0	2	0	17	2	1
21	0	0	0	0	0	0	0	3	5	1
22	20	0	0	0	0	0	0	0	0	19
23	0	0	0	0	0	0	6	2	0	4
24	14	0	0	0	0	0	0	0	0	7
25	0	0	0	0	0	0	0	84	1	2
26	0	0	0	0	0	0	3	7	0	1
27	0	0	0	0	0	0	0	9	0	1
27	0	0	0	0	0	0	0	44	0	5
27	0	1	0	0	0	0	2	8	0	0
28	0	0	0	0	0	0	0	27	0	0
28	0	0	0	0	0	6	0	32	0	21
28	0	0	0	0	0	0	0	13	0	0
29	0	0	0	0	0	0	1	35	0	24
29	0	0	0	0	0	1	0	10	3	11
29	0	0	0	0	0	3	0	31	0	5
29	0	0	0	0	0	7	1	38	1	27
29	0	0	0	0	0	0	0	12	0	3
30	0	2	5	0	0	0	0	0	1	1
30	0	0	32	0	0	0	0	1	1	0
30	0	1	4	0	0	0	0	0	0	0
30	0	2	12	0	0	0	0	1	1	0
31	0	2	0	0	0	0	0	1	0	0
31	0	1	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0	1
32	0	0	0	0	0	0	0	21	0	0
32	0	0	0	0	0	0	0	8	0	0
32	0	0	0	0	0	0	2	28	0	7
33	0	0	0	0	0	0	0	7	0	0
33	0	0	0	0	0	0	0	6	0	0
33	1	0	0	0	0	0	1	23	0	36
33	0	0	0	0	0	0	0	9	0	0
34	0	0	0	0	0	0	9	18	0	7
34	5	0	0	3	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0	0	0
34	0	1	0	0	0	0	0	6	0	4
34	0	0	0	0	0	0	0	3	0	0
35	0	0	0	0	0	0	0	0	0	4
36	1	1	0	0	0	0	0	4	1	0
36	0	0	0	0	0	0	0	0	1	0
36	0	0	0	0	0	0	0	18	1	13
36	0	0	0	0	0	0	0	5	0	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Erpobdellidae</i>	<i>Gammarus</i>	<i>Glossosoma</i>	<i>Helichus</i>	<i>Hemerodromia</i>	<i>Hesperoconopa</i>	<i>Hesperoperla</i>	<i>Heterlimnius</i>	<i>Hexatoma</i>	<i>Homophylax</i>	<i>Hydropsyche</i> <i>Ceratopsyche</i>
1	0	0	1	0	0	0	0	1	1	0	0
2	0	0	0	0	0	0	4	57	0	0	0
3	0	0	0	0	0	0	0	5	0	0	0
4	0	0	6	0	0	0	0	39	0	0	0
5	0	0	1	0	0	0	0	110	0	0	0
6	0	0	4	0	0	0	0	18	0	0	0
6	0	0	7	0	0	0	0	41	1	0	0
7	0	0	0	0	0	0	1	51	6	0	0
8	0	0	5	0	0	0	3	0	0	0	0
9	0	0	0	0	0	0	0	0	0	38	0
10	0	0	14	0	0	0	1	9	1	0	0
10	0	0	14	0	0	0	0	7	0	0	0
11	0	0	0	12	0	0	0	0	0	23	0
12	0	0	0	7	0	0	0	0	0	19	0
13	0	0	0	7	0	0	0	0	0	15	0
14	0	0	0	0	0	0	0	15	0	0	0
15	0	0	0	0	0	0	0	1	0	0	0
16	0	0	0	0	0	0	0	4	0	0	0
16	0	0	0	0	0	0	0	16	0	0	0
17	0	0	0	0	0	1	0	0	0	3	0
18	0	0	0	0	0	0	11	14	0	0	0
18	0	0	0	0	0	0	8	21	0	0	0
18	0	0	0	0	0	0	6	85	0	0	0
19	0	0	0	0	0	0	3	38	0	0	0
20	0	0	0	0	0	0	4	35	0	0	0
21	0	0	16	0	0	0	4	12	0	0	0
22	0	0	1	0	0	2	0	0	0	7	0
23	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	5	0	0	0	0	0	9	0
25	0	0	0	0	0	0	0	2	0	0	0
26	0	0	0	0	0	0	0	1	0	0	0
27	0	0	0	0	0	0	7	7	0	0	0
27	0	0	0	0	0	0	11	10	0	0	0
27	0	0	0	0	0	0	6	14	1	0	0
28	0	0	0	0	0	0	1	20	3	0	0
28	0	0	5	0	0	0	1	15	1	0	0
28	0	0	1	0	0	0	0	20	3	0	0
29	0	0	0	0	0	0	0	0	0	0	16
29	0	0	0	0	0	0	0	7	0	0	0
29	0	0	0	0	0	0	3	9	0	0	0
29	0	0	0	0	0	0	4	9	0	0	0
29	0	0	0	0	0	0	2	30	0	0	0
30	0	0	0	0	0	0	0	44	1	0	0
30	0	0	0	0	0	0	0	53	1	0	0
30	0	0	0	0	0	0	0	11	0	0	0
30	0	0	0	0	0	0	0	84	0	0	0
31	0	0	0	0	0	0	0	71	0	0	0
31	0	0	0	0	0	0	0	30	1	0	0
31	0	0	0	0	0	0	0	22	0	0	0
31	0	0	0	0	0	0	0	59	0	0	0
32	0	0	0	0	0	0	0	39	1	0	0
32	0	0	0	0	0	0	0	25	1	0	0
32	0	0	0	0	0	0	0	42	1	0	0
33	0	0	0	0	0	0	0	50	1	0	0
33	0	0	0	0	0	0	0	12	0	0	0
33	0	0	0	0	0	0	0	30	2	0	0
33	0	0	0	0	0	0	0	56	1	0	0
34	0	0	0	0	0	0	0	24	1	0	0
34	0	0	0	0	0	0	0	92	0	0	0
34	0	0	0	0	0	0	0	8	0	0	0
34	0	0	0	0	0	0	0	58	1	0	0
34	0	0	0	0	0	0	0	43	0	0	0
35	0	0	0	0	0	0	0	22	0	0	0
36	0	0	0	0	0	0	0	56	1	0	0
36	0	0	0	0	0	0	0	64	1	0	0
36	0	0	0	0	0	0	0	29	0	0	0
36	0	0	0	0	0	0	0	107	0	0	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID¹	<i>Erpobdellidae</i>	<i>Gammarus</i>	<i>Glossosoma</i>	<i>Helichus</i>	<i>Hemerodromia</i>	<i>Hesperoconopa</i>	<i>Hesperoperla</i>	<i>Heterlimnius</i>	<i>Hexatoma</i>	<i>Homophylax</i>	<i>Hydropsyche</i> <i>Ceratopsyche</i>
37	0	0	0	0	0	0	0	12	0	0	0
37	0	0	0	0	0	0	0	13	0	0	0
38	0	0	0	0	0	0	0	2	0	0	0
38	0	0	0	0	0	0	0	12	0	0	0
38	0	0	0	0	0	0	0	6	0	0	0
39	0	0	0	0	0	0	0	6	1	0	0
39	0	0	0	0	0	0	0	4	0	0	0
39	0	0	0	0	0	0	0	5	0	0	0
39	0	0	0	0	0	0	0	3	1	0	0
39	0	0	0	0	0	0	0	7	0	0	0
40	0	0	0	0	0	0	0	11	0	0	0
41	0	0	0	0	0	0	0	11	0	0	0
41	0	0	0	0	0	0	0	1	0	0	0
41	0	0	0	0	0	0	0	2	0	0	0
41	0	0	0	0	0	0	0	7	0	0	0
41	0	0	0	0	0	0	0	13	0	0	0
42	0	0	0	0	0	0	0	2	0	1	0
42	0	0	0	0	0	0	0	0	0	0	0
43	0	0	0	0	0	0	0	0	0	0	0
44	0	0	0	0	0	0	0	1	0	0	0
44	0	0	0	0	0	0	0	0	0	0	0
45	0	0	0	0	0	0	0	13	0	0	0
46	0	0	0	0	0	0	0	3	0	0	0
47	0	0	0	0	0	0	0	2	0	0	0
48	0	0	0	0	0	0	0	24	1	0	0
49	0	0	0	0	0	0	0	11	0	0	0
50	0	0	0	0	0	0	0	53	0	0	0
51	0	0	0	0	0	0	0	2	0	0	0
52	0	0	0	0	0	0	0	1	0	0	0
52	0	0	0	0	0	0	0	2	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	2	0	0	0
52	0	0	0	0	0	0	0	1	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	1	0	0	0
54	0	0	0	0	0	0	5	10	0	0	0
55	0	0	0	0	1	0	0	0	0	0	0
55	0	0	0	0	0	0	0	11	0	0	0
56	0	0	0	0	0	0	0	59	0	0	0
57	0	0	32	0	0	0	0	4	0	0	0
57	0	0	5	0	0	0	0	4	1	0	1
58	0	0	0	0	0	0	4	1	1	0	0
59	0	0	7	0	0	0	0	0	0	0	19
59	0	0	19	0	0	0	1	0	0	0	8
60	0	0	0	0	0	0	0	51	0	0	1
61	0	0	0	0	0	0	0	1	0	0	0
62	0	0	0	0	0	0	0	31	0	0	0
63	0	0	0	0	0	0	0	6	1	0	0
63	0	0	3	0	0	0	0	2	0	0	2
64	0	0	0	0	0	0	0	15	0	0	0
65	0	0	0	0	0	0	12	35	0	0	0
65	0	0	0	0	0	0	11	26	0	0	0
66	0	0	0	0	0	0	1	4	1	0	26
67	0	0	27	0	0	0	0	0	0	0	51
68	0	0	20	0	0	0	0	0	0	0	84
68	0	0	19	0	0	0	0	0	1	0	46
69	0	0	43	0	0	0	2	0	3	0	41
70	0	0	3	0	0	0	0	4	1	0	0
71	1	1	0	0	0	0	0	0	0	0	53
71	0	0	0	0	0	0	0	0	0	0	15
72	0	0	57	0	0	0	2	0	2	0	23
72	0	0	25	0	0	0	0	0	2	0	13
73	0	3	0	0	0	0	0	14	0	0	3
73	0	38	0	0	0	0	0	0	0	0	1

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Hydroptila</i>	<i>Isogenoides</i>	<i>Isoperla</i>	<i>Kogotus</i>	<i>Lepidoptera</i>	<i>Lepidostoma</i>	<i>Leuctridae</i>	<i>Limnophila</i>	<i>Limonia</i>	<i>Megarcys</i>	<i>Micrasema</i>
1	0	0	0	0	0	0	0	0	0	1	0
2	0	0	0	0	0	0	0	0	0	0	69
3	0	0	0	0	0	0	3	0	0	4	0
4	0	0	0	0	0	0	0	0	0	3	8
5	0	0	0	0	0	0	0	0	0	0	6
6	0	0	0	0	0	2	0	0	2	0	0
6	0	0	5	0	0	0	0	0	0	1	9
7	0	0	0	0	0	0	1	0	0	0	0
8	0	0	0	0	0	2	0	0	0	0	0
9	0	0	0	7	0	12	3	0	0	0	2
10	0	0	0	0	0	0	0	0	0	3	2
10	0	0	2	0	0	0	0	0	0	0	1
11	0	0	0	1	0	37	1	0	0	0	0
12	0	0	0	1	0	67	1	0	0	0	0
13	0	0	0	1	0	38	0	0	0	0	0
14	0	0	0	0	0	1	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	6	0
16	0	0	0	0	0	0	0	0	0	1	0
16	0	0	0	1	0	0	3	0	0	4	0
17	0	0	0	1	0	9	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	9
18	0	0	1	0	0	0	0	0	0	0	2
18	1	0	0	0	0	2	1	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	24
20	0	0	0	0	0	1	0	0	0	1	7
21	0	0	3	0	0	0	0	0	0	0	0
22	0	0	0	0	0	7	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0
24	0	0	1	1	0	13	0	0	0	0	0
25	0	1	4	0	0	2	0	0	0	0	0
26	0	0	0	0	0	0	2	0	0	3	0
27	0	0	0	0	0	0	4	0	0	1	0
27	0	0	0	0	0	0	0	0	0	14	0
27	0	0	0	0	0	0	3	0	0	5	0
28	0	0	0	0	0	0	5	0	0	2	0
28	0	0	0	0	0	0	1	0	0	4	0
28	0	0	0	0	0	0	2	0	0	1	0
29	0	0	0	0	1	0	3	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	1	0	0	1	0
29	0	0	0	0	0	0	1	0	0	7	0
29	0	0	0	0	0	0	0	0	0	5	0
30	3	0	1	0	0	0	0	0	0	0	5
30	30	0	0	0	0	1	0	0	0	1	1
30	3	0	1	0	0	0	0	0	0	0	1
30	6	0	0	0	0	0	0	1	0	0	2
31	0	0	3	0	0	0	2	0	0	37	0
31	1	0	0	0	0	0	0	0	0	2	0
31	0	0	0	0	0	0	0	0	0	12	0
31	0	0	2	0	0	0	0	0	0	28	0
32	0	0	0	0	0	0	1	0	0	1	0
32	0	0	0	0	0	0	0	0	0	1	0
32	0	0	0	0	0	0	3	0	0	2	0
33	0	0	0	0	0	0	4	0	0	0	0
33	0	0	0	0	0	0	0	0	0	0	1
33	0	0	0	0	0	0	0	0	0	5	1
33	0	0	0	0	0	0	0	0	0	2	0
34	0	0	0	1	0	0	2	0	0	1	0
34	0	0	0	0	0	0	0	0	0	2	0
34	0	0	0	0	0	0	0	0	0	0	0
34	0	0	0	1	0	0	1	0	0	5	0
34	0	0	0	0	0	0	0	0	0	11	0
35	0	0	0	0	0	0	0	0	0	2	0
36	0	0	0	0	0	0	1	0	0	2	0
36	0	0	0	0	0	0	1	0	0	1	0
36	0	0	0	1	0	0	1	0	0	6	0
36	0	0	0	0	0	0	2	0	0	6	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Muscidae</i>	<i>Narpus</i>	<i>Nematoda</i>	<i>Neothremma</i>	<i>Ochrotrichia</i>	<i>Oligophlebodes</i>	<i>Optioservus</i>	<i>Oreodytes</i>	<i>Oreogeton</i>	<i>Orthoclaudiinae</i>	Other_ <i>Chloroperlidae</i>
1	0	0	0	0	0	1	0	0	0	43	0
2	0	0	0	0	0	7	0	0	0	14	0
3	0	0	0	15	0	0	0	0	0	74	10
4	0	0	0	0	0	8	0	0	0	8	5
5	0	0	0	0	0	0	0	0	0	22	14
6	0	0	0	0	0	0	0	0	0	1	6
6	0	0	0	0	0	0	0	0	1	4	10
7	0	0	0	0	0	0	0	0	0	11	5
8	0	0	1	0	0	0	0	0	0	14	7
9	0	2	0	1	0	0	0	0	0	10	1
10	0	0	1	0	0	0	0	0	0	22	8
10	0	0	0	0	0	0	1	0	0	10	4
11	0	0	0	0	0	0	0	0	0	2	1
12	0	0	0	0	0	0	0	0	0	4	0
13	0	0	0	0	0	0	0	0	0	3	0
14	0	4	1	0	0	0	0	0	0	41	10
15	0	0	0	2	0	0	1	0	2	113	2
16	0	0	0	11	0	0	0	0	1	85	1
16	0	0	0	33	0	13	1	0	2	11	9
17	0	0	0	1	0	0	0	0	0	4	1
18	0	0	0	1	0	0	0	0	0	32	0
18	0	0	0	0	0	0	0	0	0	12	6
18	0	0	0	0	0	0	0	0	0	49	9
19	0	0	0	0	0	2	0	0	0	3	2
20	0	0	0	0	0	0	0	0	0	3	1
21	0	0	0	0	0	0	0	0	0	11	13
22	0	6	0	1	0	0	0	0	0	16	4
23	0	0	0	129	0	0	1	0	0	34	2
24	0	0	0	0	0	0	0	0	0	13	2
25	0	0	0	0	0	0	1	0	0	17	3
26	0	0	0	0	0	0	0	0	0	13	15
27	0	0	0	0	0	2	0	0	0	15	38
27	0	0	0	0	0	2	0	0	0	15	15
27	0	0	0	0	0	3	0	0	1	17	27
28	0	0	0	0	0	3	0	0	0	3	29
28	0	0	0	0	0	0	0	0	4	15	4
28	0	0	0	0	0	3	0	0	2	7	19
29	0	0	0	0	0	0	0	0	0	9	0
29	0	0	0	0	0	0	0	0	0	33	5
29	0	0	0	0	0	0	0	0	1	13	6
29	0	0	0	0	0	0	0	0	0	16	1
29	0	0	0	0	0	0	0	0	3	11	9
30	0	0	0	0	0	0	1	0	0	36	9
30	0	0	0	0	0	0	0	0	1	54	3
30	0	0	0	0	0	0	0	0	0	133	0
30	0	0	0	0	0	1	0	0	0	9	4
31	0	0	0	0	0	2	0	0	0	41	16
31	0	0	0	0	0	10	0	0	0	197	6
31	0	0	0	0	0	0	0	0	0	3	5
31	0	0	0	0	0	1	0	0	0	7	8
32	0	0	0	1	0	56	0	0	0	2	34
32	0	0	0	0	0	88	0	0	0	10	9
32	0	0	0	0	0	2	0	0	0	5	24
33	0	0	0	0	0	41	0	0	0	57	14
33	0	0	0	3	0	149	0	0	0	29	1
33	0	0	0	1	0	7	0	0	0	23	9
33	0	0	0	1	0	43	0	0	0	13	3
34	0	0	0	0	0	1	0	0	1	25	38
34	0	0	0	0	0	71	0	0	0	26	1
34	0	0	0	0	0	8	0	0	0	8	0
34	0	0	0	0	0	42	0	0	0	21	13
34	0	0	0	0	0	28	0	0	0	50	22
35	0	0	0	8	0	111	0	0	0	2	7
36	0	0	0	0	0	25	0	0	0	14	10
36	0	0	0	0	0	13	0	0	0	62	0
36	0	0	0	0	0	2	0	0	0	24	6
36	0	0	0	1	0	8	0	0	0	5	9

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Muscidae</i>	<i>Narpus</i>	<i>Nematoda</i>	<i>Neothremma</i>	<i>Ochrotrichia</i>	<i>Oligophlebodes</i>	<i>Optioservus</i>	<i>Oreodytes</i>	<i>Oreogeton</i>	<i>Orthoclaadiinae</i>	Other_ <i>Chloroperlidae</i>
37	0	0	4	0	0	0	0	0	0	2	1
37	0	0	0	0	0	0	0	0	0	1	5
38	0	0	0	0	0	0	0	0	0	201	0
38	1	0	0	0	0	0	0	0	0	79	6
38	0	0	0	0	0	0	0	0	0	30	1
39	0	0	0	0	0	0	0	0	0	9	15
39	0	0	0	0	0	0	0	0	0	52	11
39	1	0	0	1	0	0	0	0	0	112	4
39	1	0	0	0	0	0	0	0	0	50	1
39	0	0	0	0	0	0	0	0	0	15	0
40	0	0	0	1	0	4	0	0	5	11	10
41	0	0	1	0	0	0	0	0	0	16	32
41	1	0	0	0	0	0	0	0	0	164	1
41	0	0	0	0	0	0	0	0	0	97	0
41	0	0	0	0	0	0	0	0	0	51	4
41	0	0	0	0	0	0	0	0	0	32	7
42	0	0	0	0	0	0	0	0	0	97	0
42	0	0	0	0	0	0	0	0	0	91	3
43	0	0	0	1	0	2	0	0	0	138	0
44	29	0	0	0	0	0	0	0	0	127	1
44	0	0	0	0	0	0	0	0	0	82	0
45	0	0	0	174	0	0	0	0	0	0	3
46	0	0	0	95	0	0	0	0	0	5	4
47	0	0	1	0	0	0	0	0	0	19	9
48	0	0	0	48	0	20	0	0	1	49	7
49	0	0	0	70	0	0	0	0	1	67	4
50	0	0	0	21	0	5	0	0	1	43	4
51	0	0	0	0	0	0	0	0	0	120	1
52	0	0	0	0	0	0	0	1	0	15	0
52	0	0	0	0	0	0	0	0	0	18	0
52	0	0	0	0	0	0	0	0	0	39	0
52	0	0	0	0	1	0	0	0	0	25	1
52	2	0	0	0	0	0	0	0	0	96	0
53	0	0	0	0	0	0	0	0	0	0	4
53	0	0	0	0	0	0	0	0	0	19	0
54	0	0	0	51	0	0	0	0	1	7	21
55	0	0	0	0	0	0	0	0	0	105	1
55	0	0	0	157	0	0	0	0	2	11	7
56	0	1	0	0	0	0	0	0	0	4	8
57	0	0	0	0	0	0	0	0	0	27	1
57	0	2	0	0	0	0	1	0	0	10	3
58	0	0	0	1	0	0	0	0	0	21	0
59	0	0	0	0	0	0	1	0	0	29	0
59	0	2	0	0	0	0	1	0	0	9	1
60	0	0	0	35	0	12	0	0	0	12	1
61	0	0	0	36	0	18	0	0	0	15	6
62	0	0	0	69	0	1	0	0	0	18	1
63	0	0	0	0	0	0	0	0	0	6	3
63	0	0	0	0	0	0	3	0	0	3	2
64	0	0	0	114	0	0	0	0	1	28	10
65	0	0	0	150	0	0	0	0	0	8	4
65	0	0	0	107	0	0	0	0	0	33	3
66	0	0	0	0	0	0	88	2	0	26	0
67	0	0	1	0	0	0	0	0	0	8	0
68	0	0	0	0	0	0	14	0	0	5	4
68	0	1	0	0	0	0	57	0	0	3	1
69	0	0	0	0	0	0	23	0	0	6	3
70	0	0	0	0	0	29	0	0	0	1	0
71	0	0	0	0	0	0	66	1	0	74	0
71	0	0	0	0	0	0	153	0	0	17	0
72	0	0	0	0	0	0	16	0	0	5	2
72	0	0	0	0	0	0	27	0	0	4	0
73	0	0	0	0	0	0	0	0	0	134	0
73	0	0	0	0	0	0	94	0	0	15	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	Other_ <i>Ephemerella</i>	Other_ <i>Oligochaeta</i>	<i>Paraleptophlebia</i>	<i>Paraperla</i>	<i>Parapsyche</i>	<i>Pedicia</i>	<i>Pericoma</i> <i>Telmatoscopus</i>	<i>Physa</i> <i>Physella</i>	<i>Pisidiidae</i>
1	57	1	3	0	0	0	18	0	0
2	0	2	0	0	0	0	0	0	99
3	0	4	0	0	1	0	2	0	0
4	0	0	0	0	0	0	0	0	0
5	4	3	12	0	0	0	1	0	2
6	0	3	3	0	0	0	5	0	0
6	0	0	3	0	0	0	0	0	0
7	26	16	46	0	0	0	0	0	0
8	0	1	73	0	0	0	0	0	0
9	0	26	0	0	0	0	0	0	0
10	1	18	2	0	0	0	1	0	0
10	1	20	2	0	0	0	0	0	0
11	0	38	0	0	0	0	0	0	0
12	0	13	0	0	0	0	0	0	0
13	0	13	0	0	0	0	0	0	0
14	6	10	0	0	0	0	1	0	0
15	0	4	0	0	2	0	2	0	0
16	0	0	0	0	2	0	0	0	0
16	0	5	0	0	4	0	15	0	0
17	0	19	0	0	0	0	0	0	0
18	1	58	2	0	0	0	0	0	0
18	7	23	0	0	0	0	0	0	0
18	0	12	0	0	0	0	0	0	0
19	4	2	1	0	0	0	0	0	0
20	38	11	11	0	0	0	0	0	0
21	27	1	5	0	0	0	0	0	0
22	0	26	0	0	0	0	0	0	0
23	0	0	0	0	2	0	0	0	0
24	0	5	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0
26	0	5	0	0	0	0	0	0	0
27	0	10	0	0	0	0	0	0	0
27	0	2	0	0	0	0	0	0	0
27	0	9	0	0	0	0	1	0	1
28	1	0	0	0	0	0	18	0	0
28	0	15	0	0	0	0	2	0	0
28	4	4	0	0	0	0	1	0	0
29	0	3	0	0	0	0	8	0	0
29	0	3	0	0	0	0	1	0	0
29	1	0	0	0	0	0	1	0	0
29	0	0	0	0	0	0	0	0	0
29	1	9	0	0	0	0	2	0	0
30	103	11	7	0	0	0	1	0	0
30	39	5	44	0	0	0	2	0	0
30	55	1	23	0	0	0	1	0	0
30	71	5	24	0	0	0	0	0	0
31	1	11	0	0	0	0	9	0	0
31	0	4	1	0	0	0	1	0	0
31	0	8	0	0	0	0	0	0	0
31	1	64	0	0	0	1	5	0	0
32	24	0	1	0	0	0	12	0	0
32	14	0	4	0	0	0	36	0	0
32	9	0	2	0	0	0	0	0	0
33	22	0	4	0	0	0	0	0	0
33	12	0	1	0	0	0	0	0	0
33	0	0	2	0	0	0	0	0	0
33	4	0	3	0	0	0	7	0	0
34	0	2	0	0	0	0	12	0	0
34	11	1	0	0	0	0	37	0	0
34	0	5	0	0	0	0	232	0	0
34	1	8	0	0	0	0	0	0	0
34	4	13	0	0	0	0	4	0	0
35	0	11	0	0	0	0	0	0	0
36	8	4	0	0	0	0	16	0	0
36	1	3	0	0	0	0	49	0	0
36	2	2	0	0	0	0	0	0	0
36	4	6	0	0	0	0	5	0	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	Other_ <i>Ephemera</i>	Other_ <i>Oligochaeta</i>	<i>Paraleptophlebia</i>	<i>Paraperla</i>	<i>Parapsyche</i>	<i>Pedicia</i>	<i>Pericoma</i> <i>Telmatoscopus</i>	<i>Physa</i> <i>Physella</i>	<i>Pisidiidae</i>
37	0	1	0	0	0	0	4	0	0
37	0	0	0	0	0	0	0	0	0
38	0	28	0	0	0	0	5	0	0
38	0	4	0	0	0	0	7	0	0
38	0	132	0	0	0	0	0	0	0
39	0	56	0	0	0	0	2	0	0
39	0	54	0	0	0	0	6	0	0
39	0	92	0	0	0	0	2	0	0
39	0	75	0	0	0	0	0	0	0
39	0	32	0	0	0	0	0	0	0
40	0	4	0	0	1	0	0	0	0
41	0	22	0	0	0	0	0	0	0
41	0	36	0	0	0	0	1	0	0
41	0	53	0	0	0	0	1	0	0
41	0	30	0	0	0	0	0	0	0
41	0	37	0	0	0	0	0	0	0
42	0	76	0	0	0	1	2	0	0
42	0	58	0	1	0	0	1	0	0
43	0	1	0	0	0	0	1	0	0
44	0	3	0	0	0	0	3	0	0
44	0	7	0	0	0	0	1	0	0
45	0	1	0	0	0	0	0	0	0
46	0	24	0	0	0	0	0	0	0
47	0	28	0	0	0	0	0	0	0
48	13	28	0	0	0	0	4	0	0
49	3	12	0	0	0	0	0	0	0
50	2	2	0	0	0	0	19	0	0
51	0	15	0	0	0	0	1	0	0
52	0	19	0	0	0	0	1	0	0
52	0	17	0	0	0	0	1	0	0
52	0	47	0	0	0	0	0	0	0
52	0	102	0	0	0	0	0	0	0
52	0	89	0	0	0	0	0	0	0
53	0	4	0	0	0	0	0	0	0
53	0	6	0	0	0	0	0	0	0
54	0	37	1	0	0	0	1	0	0
55	0	3	1	0	0	0	0	0	0
55	0	2	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0
57	0	1	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0
58	0	14	0	0	0	0	0	0	1
59	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0
60	0	7	0	0	0	0	8	0	0
61	0	16	0	0	11	0	0	0	0
62	0	12	0	0	0	0	3	0	0
63	0	1	0	0	0	0	0	0	0
63	0	3	0	0	0	0	0	0	0
64	0	8	0	0	0	0	0	0	0
65	1	1	1	0	2	0	1	0	0
65	2	18	0	0	1	0	1	0	0
66	0	10	0	0	0	0	1	0	0
67	0	1	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	2	0
69	0	1	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0
71	0	3	0	0	0	0	0	1	0
71	0	4	0	0	0	0	0	1	0
72	0	0	0	0	0	0	0	0	0
72	0	1	0	0	0	0	0	1	0
73	0	10	0	0	0	0	0	0	0
73	0	5	0	0	0	0	0	0	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Podmosta</i>	<i>Prodiamesinae</i>	<i>Psychoglypha</i>	<i>Pteronarcella</i>	<i>Rhabdomastix</i>	<i>Rhithrogena</i>	<i>Rhyacophila</i> <i>alberta_group</i>	<i>Rhyacophila</i> <i>angelita_group</i>	<i>Rhyacophila</i> <i>brunnea_vemna_groups</i>
1	0	0	0	0	0	25	0	0	0
2	0	0	0	0	0	0	0	0	2
3	0	0	0	0	0	6	41	0	0
4	0	0	0	0	0	0	0	0	3
5	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	1	0	9	7
6	0	0	0	0	0	3	0	0	7
7	0	0	0	0	0	15	0	0	1
8	0	0	0	0	0	0	0	4	4
9	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	1	0	0	2
10	0	0	0	0	0	7	0	0	3
11	0	0	0	0	0	0	0	0	0
12	1	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0
14	0	0	0	1	0	10	0	0	0
15	0	0	0	0	0	0	41	0	0
16	0	0	0	0	0	2	0	0	1
16	0	0	0	0	0	11	0	0	3
17	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	4	0	0	2
18	0	0	0	0	0	20	0	0	1
18	0	0	0	0	0	7	0	0	1
19	0	0	0	0	0	2	0	0	1
20	0	0	0	0	0	4	0	0	0
21	0	0	0	1	0	6	0	0	1
22	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	3	0	0	3
24	0	1	0	0	0	0	0	0	0
25	0	0	0	7	0	9	0	0	1
26	0	0	0	0	0	35	25	0	0
27	0	0	0	0	0	30	0	0	4
27	0	0	0	0	0	68	0	0	5
27	0	0	0	0	0	12	0	0	4
28	0	0	0	0	0	12	0	0	5
28	0	0	0	0	0	22	0	0	12
28	0	0	0	0	0	13	0	0	1
29	0	0	0	5	0	0	0	9	10
29	0	0	0	0	0	2	0	0	10
29	0	0	0	0	0	13	0	0	17
29	0	0	0	0	0	19	0	0	6
29	0	0	0	0	0	3	0	0	7
30	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	11
31	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1
31	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	12	0	0	6
32	0	0	0	0	0	9	0	0	0
32	0	0	0	0	0	24	0	0	3
33	0	0	0	0	0	6	0	0	14
33	0	0	0	0	0	9	0	0	7
33	0	0	0	0	1	17	0	0	10
33	0	0	0	0	0	3	0	0	13
34	0	0	0	0	0	8	0	0	6
34	0	0	0	0	0	0	0	0	1
34	0	2	0	0	0	0	0	0	0
34	0	0	0	0	0	6	0	0	7
34	1	0	0	0	0	4	0	0	3
35	0	0	0	0	0	13	2	0	2
36	0	0	0	0	0	9	0	0	1
36	0	0	0	0	0	0	0	0	1
36	0	0	0	0	0	7	0	0	7
36	0	0	0	0	1	7	0	0	2

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Rhyacophila</i> <i>coloradensis</i> group	<i>Rhyacophila</i> <i>hyalinata</i> group	<i>Rhyacophila</i> <i>sibirica</i> group	<i>Rhyacophila</i> <i>vofixa</i> group	<i>Rhyacophila</i> <i>rotunda</i> group	<i>Serratella</i>	<i>Simuliidae</i>	<i>Skwala</i>
1	0	0	3	0	0	4	2	0
2	0	0	0	0	0	0	9	0
3	0	3	1	0	0	0	0	0
4	0	0	0	0	0	4	17	0
5	0	0	3	0	0	0	1	0
6	0	0	0	0	0	0	16	4
6	0	0	10	0	0	1	14	0
7	0	0	2	0	0	0	3	0
8	0	0	0	0	0	0	14	11
9	0	0	0	0	0	0	12	0
10	0	0	2	0	0	0	112	0
10	0	0	1	0	0	0	82	0
11	0	1	0	0	0	0	7	0
12	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	1	0
14	0	0	1	0	0	1	5	1
15	0	3	2	0	0	0	0	0
16	0	2	4	0	0	0	0	0
16	0	3	10	0	0	0	0	0
17	0	0	0	0	0	0	1	0
18	1	0	1	0	0	0	2	0
18	2	1	3	0	0	0	1	0
18	0	0	1	0	0	0	1	0
19	6	0	1	0	0	0	0	0
20	3	0	2	0	0	0	9	1
21	0	0	0	0	1	2	10	0
22	0	0	0	0	0	0	6	0
23	0	2	1	0	0	0	10	0
24	0	0	0	0	0	0	0	0
25	1	0	1	0	0	0	0	0
26	0	10	3	0	0	0	0	0
27	0	1	17	0	0	0	0	0
27	0	0	3	0	0	0	0	0
27	0	2	8	0	0	0	0	0
28	0	0	38	0	0	0	0	0
28	0	0	1	0	0	0	0	0
28	0	0	7	0	0	0	0	0
29	0	0	0	0	0	0	51	3
29	0	0	6	0	0	1	1	2
29	2	0	1	0	0	0	11	0
29	0	0	2	0	0	0	5	0
29	0	0	2	0	0	0	0	0
30	0	0	2	0	0	0	0	3
30	0	0	0	0	0	0	0	3
30	0	0	0	0	0	0	0	2
30	0	0	6	0	0	0	1	10
31	10	2	9	0	0	0	6	0
31	2	0	4	0	0	0	0	0
31	1	0	9	0	0	0	1	1
31	6	0	3	0	0	0	11	0
32	0	0	1	0	0	0	0	0
32	0	0	6	0	0	0	0	0
32	0	0	3	0	0	0	0	0
33	0	0	14	0	0	0	0	0
33	0	0	1	0	0	0	0	0
33	6	8	10	0	0	6	1	0
33	0	5	14	0	0	0	0	0
34	0	0	10	0	0	0	1	2
34	0	0	0	0	0	0	0	0
34	0	0	0	0	0	0	0	0
34	0	0	7	0	0	1	7	0
34	0	0	4	0	0	0	0	0
35	0	2	8	0	0	0	0	0
36	0	0	14	0	0	0	3	0
36	0	0	2	0	0	0	1	0
36	0	0	7	0	0	0	0	0
36	0	0	7	0	0	0	12	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Rhyacophila</i> <i>coloradensis</i> group	<i>Rhyacophila</i> <i>hyalinata</i> group	<i>Rhyacophila</i> <i>sibirica</i> group	<i>Rhyacophila</i> <i>vofixa</i> group	<i>Rhyacophila</i> <i>rotunda</i> group	<i>Serratella</i>	<i>Simuliidae</i>	<i>Skwala</i>
37	0	0	0	0	3	1	12	3
37	0	0	7	0	0	0	0	0
38	0	0	0	0	0	0	1	0
38	0	0	0	0	0	0	0	0
38	0	0	0	0	0	0	0	0
39	2	0	9	0	0	6	0	0
39	0	0	3	0	0	0	1	0
39	0	0	0	0	0	0	4	0
39	0	0	0	0	0	0	0	0
39	0	0	0	0	0	0	0	0
40	0	3	1	0	0	0	0	0
41	0	1	0	0	0	0	16	6
41	0	0	0	0	0	0	0	0
41	0	0	0	0	0	0	5	0
41	0	0	0	0	0	0	6	0
41	0	0	0	0	0	0	1	0
42	0	0	0	0	0	0	0	0
42	0	0	0	0	0	0	0	0
43	0	14	0	0	0	0	2	0
44	0	0	0	0	0	0	2	0
44	0	0	0	0	0	0	0	0
45	0	0	2	0	0	0	1	0
46	0	2	2	0	0	0	0	0
47	0	0	2	0	0	0	103	0
48	0	4	10	5	0	1	4	0
49	6	1	3	0	0	0	1	0
50	0	1	8	0	0	0	0	0
51	0	0	0	0	1	1	2	1
52	1	0	0	0	0	0	1	2
52	0	0	0	0	0	0	4	0
52	0	0	0	0	0	0	4	0
52	0	0	0	0	0	0	10	0
52	0	0	0	0	0	0	0	0
53	1	0	0	0	0	1	3	1
53	0	0	0	0	0	0	7	1
54	0	1	11	0	0	0	2	0
55	0	0	0	0	2	3	0	0
55	0	0	3	0	0	5	1	0
56	2	0	0	0	11	1	1	0
57	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	4	0
58	0	0	0	0	0	0	2	0
59	0	0	0	0	0	0	5	0
59	0	0	0	0	0	0	5	0
60	0	0	5	0	0	0	0	0
61	0	2	0	13	0	0	0	0
62	0	0	3	0	0	4	4	0
63	0	0	0	0	1	0	16	0
63	0	0	1	0	0	0	4	1
64	0	0	3	0	0	0	2	0
65	0	0	3	0	0	1	0	0
65	0	0	7	0	0	1	17	0
66	0	0	0	0	0	0	2	1
67	0	0	0	0	0	0	10	1
68	0	0	0	0	0	0	12	0
68	0	0	0	0	0	0	2	0
69	0	0	0	0	0	0	3	0
70	0	0	0	0	0	0	186	0
71	0	0	0	0	0	0	16	0
71	0	0	0	0	0	1	12	0
72	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	33	0
73	0	0	0	0	0	0	0	0

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Taeniopterygidae</i>	<i>Tanypodinae</i>	<i>Tipula</i>	<i>Trichoclinocera</i>	<i>Tricorythodes</i>	<i>Turbellaria</i>	<i>Wiedemannia</i>	<i>Zaitzevia</i>	<i>Zapada</i>
1	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	11
3	0	1	0	0	0	27	1	0	46
4	0	0	0	0	0	0	0	0	5
5	1	0	2	0	0	4	0	0	1
6	0	0	0	0	0	4	0	0	0
6	0	1	0	0	0	2	0	0	2
7	7	2	0	0	0	0	0	0	34
8	0	0	0	0	0	0	0	0	0
9	4	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	2
10	0	2	0	0	0	0	0	0	2
11	3	0	0	0	0	0	0	0	0
12	4	0	0	0	0	0	0	0	0
13	8	0	0	0	0	0	0	0	0
14	0	0	0	0	0	2	0	0	0
15	0	0	0	0	0	3	0	1	69
16	0	0	0	0	0	0	1	0	10
16	3	0	0	0	0	35	5	0	32
17	9	0	0	0	0	0	0	0	0
18	0	1	0	0	0	1	1	0	51
18	1	0	0	0	0	0	0	0	89
18	2	1	0	0	0	1	0	0	37
19	1	2	0	0	0	0	0	0	2
20	2	1	0	0	0	0	0	0	8
21	0	8	0	0	0	0	0	0	1
22	9	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	30
24	27	0	0	0	0	0	0	0	0
25	0	2	0	0	0	0	0	0	1
26	1	0	0	0	0	39	0	0	76
27	0	0	0	0	0	11	0	0	10
27	1	0	0	0	0	9	0	0	32
27	11	0	0	0	0	3	0	0	23
28	0	0	0	0	0	23	0	0	10
28	3	0	0	0	0	36	0	0	20
28	2	0	0	0	0	11	0	0	8
29	0	0	0	0	0	2	0	0	7
29	0	0	0	0	0	2	0	0	0
29	36	1	0	0	0	1	1	0	24
29	0	0	0	0	0	0	0	0	8
29	0	3	0	0	0	5	0	0	13
30	0	0	0	0	0	1	0	0	8
30	0	0	0	0	0	1	0	0	4
30	0	0	0	0	0	0	0	0	13
30	0	2	1	0	0	0	0	0	34
31	9	0	1	0	0	3	0	0	22
31	1	0	0	0	0	1	0	0	5
31	0	0	0	0	0	2	0	0	1
31	2	0	18	0	0	9	0	0	46
32	17	0	1	0	0	13	0	0	35
32	1	0	1	0	0	21	0	0	3
32	1	0	0	0	0	7	0	0	25
33	4	0	0	0	0	2	0	0	26
33	8	0	0	0	0	2	1	0	16
33	0	0	0	0	0	0	1	0	19
33	27	0	0	0	0	0	0	0	45
34	3	0	0	0	0	6	0	0	13
34	0	4	1	0	0	1	0	0	6
34	0	4	0	0	0	2	0	0	0
34	0	0	0	0	0	1	0	0	18
34	7	0	0	0	0	0	0	0	42
35	0	0	0	0	0	22	1	0	29
36	25	0	0	0	0	3	0	0	17
36	5	1	0	0	0	4	0	0	1
36	0	0	0	0	0	5	0	0	8
36	0	0	1	0	0	2	0	0	6

Table 1. Description of sites and macroinvertebrate data collected from selected sites the Eagle River watershed, Colorado, 2000–2007.—Continued

[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; °, degrees; ', minutes; ", seconds; FS, U.S. Department of Agriculture Forest Service; USGS, U.S. Geological Survey]

Site ID ¹	<i>Taeniopterygidae</i>	<i>Tanypodinae</i>	<i>Tipula</i>	<i>Trichoclinocera</i>	<i>Tricorythodes</i>	<i>Turbellaria</i>	<i>Wiedemannia</i>	<i>Zaitzevia</i>	<i>Zapada</i>
37	0	0	0	0	0	0	0	0	8
37	0	0	0	0	0	0	0	0	4
38	0	0	0	0	0	2	0	0	0
38	1	0	0	0	0	0	0	0	1
38	0	0	0	0	0	3	0	0	0
39	0	1	0	0	0	13	0	0	3
39	0	2	0	0	0	12	0	0	5
39	0	0	0	0	0	0	0	0	0
39	0	4	0	0	0	0	0	0	1
39	0	1	0	0	0	1	0	0	0
40	36	0	0	0	0	17	0	0	15
41	0	0	0	0	0	15	0	0	3
41	0	1	0	0	0	0	0	0	0
41	0	2	0	0	0	0	0	0	0
41	0	2	0	0	0	0	0	0	0
41	0	5	0	0	0	2	1	0	0
42	0	0	0	0	0	80	0	0	2
42	0	1	0	0	0	32	0	0	16
43	0	0	0	0	0	18	3	0	71
44	0	0	3	0	0	21	0	0	2
44	0	0	2	0	0	18	0	0	0
45	8	0	0	0	0	3	0	0	26
46	15	0	0	0	0	32	0	0	45
47	0	0	0	0	0	9	0	0	2
48	4	0	0	0	0	1	2	0	21
49	16	0	0	0	0	10	3	0	38
50	11	0	0	0	0	1	0	0	13
51	0	0	0	0	0	1	0	0	0
52	0	0	0	0	0	11	0	0	0
52	0	0	0	0	0	2	0	0	0
52	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	4	0	0	0
52	0	0	0	0	0	5	0	0	0
53	0	0	0	0	0	1	0	0	1
53	0	0	0	0	0	2	0	0	0
54	15	0	0	0	0	4	0	0	40
55	0	0	0	0	0	3	0	0	6
55	0	0	0	0	0	0	0	0	4
56	0	0	0	0	0	4	0	1	0
57	0	1	0	0	0	0	0	0	0
57	0	3	0	0	0	1	0	0	0
58	0	0	3	0	0	0	0	0	64
59	0	1	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0
60	4	0	0	0	0	0	0	0	46
61	8	0	0	0	0	5	0	0	19
62	3	0	0	0	0	3	0	0	1
63	0	0	0	0	0	0	0	0	0
63	0	2	0	0	0	0	0	0	0
64	0	1	0	0	0	0	0	0	26
65	1	0	0	0	0	0	0	0	22
65	3	0	0	0	0	2	0	0	17
66	0	3	0	0	0	0	0	7	0
67	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	2	0
69	0	2	0	0	1	0	0	9	0
70	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	1	0	0
71	0	0	0	0	0	0	0	0	0
72	0	1	0	0	12	0	0	14	0
72	0	0	0	0	4	0	0	16	0
73	0	0	0	0	0	0	0	0	0
73	0	1	0	0	0	0	0	0	0

¹See figure 1.²Station ID is either a USGS station number or a FS station ID.³See text for description of sampling methods.⁴Values in the taxa columns indicate the number of organisms. See text for description of macroinvertebrate data preparation.

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Achnanthes minutissimum</i> (Kützing) Czamecki	10,461	576,109
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Achnanthes pyrenaicum</i> (Hustedt) Kobayasi	206	25,890
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Amphora pediculus</i> (Kützing) Grunow	34	3,246
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	34	20,663
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	377	395,299
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Craticula molestiformis</i> (Hustedt) Lange-Bertalot	34	4,238
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Diatoma tenuis</i> Agardh	34	3,861
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Encyonema brehmi</i> (Hustedt) Mann	17	473
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Encyonema silesiacum</i> (Bleisch) Mann	326	153,420
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	17	3,548
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Gomphonema olivaceoides</i> Hustedt	34	5,247
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	17,139	555,460
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	34	12,413
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Nitzschia dissipata</i> (Kützing) Grunow	34	8,919
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Phormidium autumnale</i> (Agardh) Gomont	10,672	1,045,073
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	137	22,684
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	69	33,505
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	34	3,302
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	Unknown Cyanophyte <i>Oscillatoriales</i> (no sheath)	5,174	83,901
6	09063000	Eagle River at Red Cliff	1	2000	8/17/2000	39°30'30"	106°21'58"	8,654	70	Unknown Rhodophyte <i>Florideophycidae</i> (chantransia)	19,727	69,815,603
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Achnanthes minutissimum</i> (Kützing) Czamecki	78,669	4,265,488
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Achnanthes pyrenaicum</i> (Hustedt) Kobayasi	3,304	417,459
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Amphipleura pellucida</i> (Kützing) Kützing	619	481,923
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Amphora pediculus</i> (Kützing) Grunow	1,032	99,818
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Caloneis bacillum</i> (Grunow) Cleve	413	177,641
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Chamaepinnularia soehrensii</i> var. <i>hassiac</i> (Krasske) Lange-Bertalot	413	3,097,606
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Closterium moniliferum</i> Ehrenberg	745	88,557,668
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Cocconeis pediculus</i> Ehrenberg	1,032	3,222,716
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	619	368,064
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	10,117	10,669,839

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Encyonema brehmii</i> (Hustedt) Mann	3,097	85,394
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Encyonema minutum</i> (Hilse) Mann	2,065	445,652
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Encyonema silesiacum</i> (Bleisch) Mann	5,368	2,549,730
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Encyonopsis microcephala</i> (Grunow) Krammer	826	52,565
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	826	162,715
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Gomphonema minutum</i> (Agardh) Agardh	1,652	134,964
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	206	78,243
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Hannaea arcus</i> (Ehrenberg) Patrick	1,239	2,484,136
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	199,693	3,437,440
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Navicula cryptocephala</i> Kützing	1,239	453,976
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	1,858	493,609
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Navicula tripunctata</i> (Müller) Bory	3,717	3,379,660
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Navicula veneta</i> Kützing	2,065	455,870
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Nitzschia agnita</i> Hustedt	413	41,442
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Nitzschia dissipata</i> (Kützing) Grunow	413	106,475
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Nitzschia fonticola</i> Grunow	413	41,079
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Nitzschia inconspicua</i> Grunow	826	44,604
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Nitzschia lacuum</i> Lange-Bertalot	413	4,837,402
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Planothidium dubium</i> (Grunow) Round et Bukhtiyarova	619	49,841
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	826	113,139
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Pseudostaurosira brevistriata</i> var. <i>inflata</i> (Pantocsek) Edlund	413	52,137
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	2,065	348,000
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	6,194	743,976
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	2,478	1,210,209
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	1,652	159,515
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	Unknown <i>Cyanophyte Oscillatoriales</i> (no sheath)	143,063	2,122,424
6	09063000	Eagle River at Red Cliff	1	2001	8/16/2001	39°30'30"	106°21'58"	8,654	70	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	418,013	2,675,488,317
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Achnanthes levanderi</i> Hustedt	26	38,493
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Achnanthidium minutissimum</i> (Kützing) Czarnecki	4,486	247,059
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Aulacoseira distans</i> (Ehrenberg) Simonsen	400	159,670
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Brachysira microcephala</i> (Grunow) Compère	26	5,150

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	13	13,507
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Cosmarium</i> sp.	197	16,757
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Cosmarium subcrenatum</i> Hantzsch	197	16,757
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Encyonema minutum</i> (Hilse) Mann	90	19,309
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Encyonema silesiacum</i> (Bleisch) Mann	142	66,768
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Encyonopsis cesatii</i> (Rabenhorst) Krammer	26	47,800
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Encyonopsis microcephala</i> (Grunow) Krammer	39	2,411
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Eucocconeis laevis</i> (Østrup) Lange-Bertalot	168	250,204
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Eunotia flexuosa</i> Brébisson ex Kützing	13	29,856
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Eunotia implicata</i> Nörpel, Lange-Bertalot et Alles	77	95,015
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Eunotia incisa</i> Smith ex Gregory	52	24,383
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	155	15,850
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	361	74,667
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Fragilariforma virescens</i> (Ralfs) Williams et Round	26	7,709
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Frustulia saxonica</i> Rabenhorst	13	22,548
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Gomphonema exilissimum</i> (Grunow) Lange-Bertalot	284	369,254
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Gomphonema subclavatum</i> (Grunow) Grunow	26	20,584
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	53,228	1,725,027
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Navicula radiosa</i> Kützing	26	26,621
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Navicula rhynchocephala</i> Kützing	39	23,888
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Oedogonium</i> sp.	591	24,237,411
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Phormidium autumnale</i> (Agardh) Gomont	8,083	791,538
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Pinnularia subcapitata</i> Gregory	26	19,743

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Reimeria sinuata</i> (Gregory)	142	23,446
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	Kociolek et Stoermer	64	5,850
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Rossthidium pusillum</i> (Grunow)	13	8,202
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	Round et Bukhtiyarova	789	86,632,411
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Sellaphora pupula</i> (Kützing) Mereschkowsky	129	7,077
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Spirogyra</i> sp.	13	2,495
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Stauroforma exiguiformis</i> (Lange-Bertalot)	1,109	133,153
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	Flower, Jones et Round	13	1,241
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Staurosira construens</i> Ehrenberg	26	49,798
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	39	253,566
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Staurosirella pinnata</i> (Ehrenberg)	26	49,798
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	Williams et Round	39	253,566
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Synedra acus</i> Kützing	26	222,269
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	39	253,566
8	09064500	Homestake Creek near Red Cliff	1	2000	8/17/2000	39°28'24"	106°22'02"	8,783	58.2	<i>Tabellaria flocculosa</i> (Roth) Kützing	26	222,269
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Achnanthydium minutissimum</i> (Kützing)	39,465	2,173,434
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	Czarnecki	3,174	399,257
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Achnanthydium pyrenaicum</i> (Hustedt)	81	92,045
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	Kobayasi	81	32,512
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Amphipleura pellucida</i> (Kützing) Kützing	163	562,969
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Aulacoseira distans</i> (Ehrenberg) Simonsen	244	147,067
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Cocconeis pediculus</i> Ehrenberg	1,139	1,193,606
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	349	29,696
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg)	163	82,366
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	Van Heurck	488	905,182
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Cosmarium subcrenatum</i> Hantzsch	244	901,988
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Cymbella affinis</i> Kützing	570	15,705
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Cymbella</i> sp. 5 ANS WRC	244	901,988
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Diatoma vulgare</i> Bory	570	15,705
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Encyonema brehmii</i> (Hustedt) Mann	570	15,705

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Encyonema minutum</i> (Hilse) Mann	488	104,474
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Encyonema silesiacum</i> (Bleisch) Mann	3,499	1,647,506
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Encyonopsis microcephala</i> (Grunow) Krammer	163	10,144
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Eucocconeis laevis</i> (Østrup) Lange-Bertalot	244	364,465
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	488	50,023
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	570	117,829
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Gomphonema exilissimum</i> (Grunow) Lange-Bertalot	163	211,893
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Gomphonema olivaceoides</i> Hustedt	244	37,344
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Gomphonema parvulum</i> (Kützing) Kützing	163	36,349
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Gomphonema subclavatum</i> (Grunow) Grunow	488	389,789
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	463,605	15,024,677
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	814	294,503
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Navicula expecta</i> Van Landingham	163	1,220,742
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Navicula incertata</i> Hustedt	163	8,414
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Nitzschia dissipata</i> (Kützing) Grunow	325	84,640
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Nitzschia fonticola</i> Grunow	163	16,161
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Phormidium autumnale</i> (Agardh) Gomont	278,093	27,233,456
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Planothidium dubium</i> (Grunow) Round et Bukhtiyarova	163	13,172
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	814	134,543
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Rossithidium pusillum</i> (Grunow) Round et Bukhtiyarova	244	22,158
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	1,546	185,690
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	163	79,489
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	1,139	109,679

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	325	2,134,089
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2000	8/17/2000	39°30'30"	106°22'47"	8,820	164	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	14,673	51,931,262
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	41,115	2,229,308
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	1,759	222,264
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Adlafia bryophila</i> (Petersen) Lange-Bertalot	440	18,757
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Amphipleura pellucida</i> (Kützing) Kützing	660	513,171
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Amphora pediculus</i> (Kützing) Grunow	440	42,516
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Aulacoseira ambigua</i> (Grunow) Simonsen	440	148,014
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Aulacoseira distans</i> (Ehrenberg) Simonsen	1,539	933,561
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Aulacoseira valida</i> (Grunow) Krammer	220	298,398
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Bulbochaete</i> sp.	2,539	215,809
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Chlamydomonas</i> sp.	1,904	3,768,896
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Closterium moniliferum</i> Ehrenberg	635	75,437,790
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Cocconeis pediculus</i> Ehrenberg	10,554	32,944,118
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	440	261,286
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	8,135	8,579,226
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Cymbella affinis</i> Kützing	440	223,804
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Cymbella</i> sp. 5 ANS WRC	440	815,270
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Diatoma mesodon</i> (Ehrenberg) Kützing	220	198,472
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Diatoma vulgaris</i> Bory	440	1,624,787
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Encyonema brehmii</i> (Hustedt) Mann	879	24,248
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Encyonema minutum</i> (Hilse) Mann	3,078	664,368
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Encyonema silesiacum</i> (Bleisch) Mann	14,951	7,100,916

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

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10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Encyonopsis microcephala</i> (Grunow) Krammer	440	27,987
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Eunotia implicata</i> Nörpel, Lange-Bertalot et Alles	440	473,714
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Fragilaria capucina</i> Desmazières	3,738	675,990
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Fragilaria pinnata</i> var. <i>acuminata</i> Mayer	440	376,853
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Fragilaria</i> sp. 3 ANS WRC	440	376,853
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	5,497	1,082,912
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Geissleria acceptata</i> (Hustedt) Lange-Bertalot et Metzeltin	440	45,139
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Gomphonema minutum</i> (Agardh) Agardh	440	35,929
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Gomphonema parvulus</i> (Lange-Bertalot et Reichardt) Lange-Bertalot et Reichardt	440	153,799
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Gomphonema parvulum</i> (Kützing) Kützing	440	96,092
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Hannaea arcus</i> (Ehrenberg) Patrick	220	440,868
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Meridion circulare</i> (Greville) Agardh	220	142,703
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	4,397	1,168,033
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Navicula libonensis</i> Schoeman	440	120,874
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Navicula lundii</i> Reichardt	220	139,958
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Navicula tripunctata</i> (Müller) Bory	5,277	4,798,400
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Navicula veneta</i> Kützing	440	97,086
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Nitzschia dissipata</i> (Kützing) Grunow	440	113,379
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Nitzschia inconspicua</i> Grunow	440	23,748
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Nitzschia linearis</i> (Agardh ex Wm. Smith) Wm. Smith	220	634,732
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Nitzschia vermicularis</i> (Kützing) Hantzsch ex Rabenhorst	220	1,005,886
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Phormidium autumnale</i> (Agardh) Gomont	396,072	38,401,268
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Planothidium dubium</i> (Grunow) Round et Bukhtiyarova	440	35,382

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	5,936	1,000,524
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Sellaphora disjuncta</i> (Hustedt) Mann	440	63,322
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Stauroneis anceps</i> Ehrenberg	220	1,484,107
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	13,412	1,610,839
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	3,738	1,825,630
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	3,738	360,948
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Synedra rumpens</i> Kützing	879	105,679
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Unknown Cyanophyte Oscillatoriales</i> (no sheath)	104,096	1,544,321
10	393030106224700	Eagle River below Homestake Creek near Red Cliff	1	2001	8/16/2001	39°30'30"	106°22'47"	8,820	164	<i>Unknown Rhodophyte Florideophycidae</i> (chantransia)	67,916	434,697,119
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Achnanthidium minutissimum</i> (Kützing) Czarnecki	61,854	3,406,419
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Achnanthidium pyrenaicum</i> (Hustedt) Kobayasi	786	98,862
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	112	117,618
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Encyonema minutum</i> (Hilse) Mann	786	168,149
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Encyonema silesiacum</i> (Bleisch) Mann	7,297	3,435,688
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	2,133	218,533
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	6,511	1,346,867
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Gomphonema olivaceoides</i> Hustedt	1,572	240,419
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Hannaea arcus</i> (Ehrenberg) Patrick	337	817,732
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	159,141	5,157,509
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Phormidium autumnale</i> (Agardh) Gomont	92,437	9,052,328
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	337	55,683
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	1,235	148,310
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	337	2,208,085
14	09064600	Eagle River near Minturn	1	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Unknown Cyanophyte Oscillatoriales</i> (no sheath)	44,695	724,745
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Achnanthidium minutissimum</i> (Kützing) Czarnecki	28,167	1,551,236
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	54	56,864
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Encyonema minutum</i> (Hilse) Mann	326	603,729
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Encyonema silesiacum</i> (Bleisch) Mann	2,334	1,098,836

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	814	83,410
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	2,279	471,531
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Gomphonema exilissimum</i> (Grunow) Lange-Bertalot	109	141,326
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Gomphonema olivaceoides</i> Hustedt	1,248	190,956
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	163	56,021
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	54	15,836
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Hannaea arcus</i> (Ehrenberg) Patrick	380	922,470
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	42,866	1,389,206
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Meridion circulare</i> (Greville) Agardh	54	35,225
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Nitzschia fonticola</i> Grunow	109	10,779
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Nitzschia inconspicua</i> Grunow	163	5,887
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Psammothidium subatomoides</i> (Hustedt) Bukhtiyarova et Round	109	162,058
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	326	53,842
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	488	58,666
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	926	1,374,606
14	09064600	Eagle River near Minturn	2	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	Unknown Cyanophyte <i>Oscillatoriales</i> (no sheath)	19,581	317,506
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Achnanthyidium minutissimum</i> (Kützing) Czarnecki	23,166	1,275,806
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Amphora pediculus</i> (Kützing) Grunow	46	4,367
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	46	48,351
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Cymbella affinis</i> Kützing	92	46,711
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Diatoma moniliformis</i> Kützing	46	6,955
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Encyonema minutum</i> (Hilse) Mann	185	39,500
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Encyonema silesiacum</i> (Bleisch) Mann	3,000	1,412,369
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	738	75,652
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	2,815	582,319
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Gomphonema exilissimum</i> (Grunow) Lange-Bertalot	92	120,169
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Gomphonema olivaceoides</i> Hustedt	138	21,179
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Hannaea arcus</i> (Ehrenberg) Patrick	138	336,160
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	67,130	2,175,570
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Navicula minima</i> Grunow	92	4,902
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Navicula tripunctata</i> (Müller) Bory	92	87,326
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Nitzschia palea</i> (Kützing) Smith	92	15,996
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Nitzschia pura</i> Hustedt	92	29,227
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Phormidium autumnale</i> (Agardh) Gomont	7,962	779,736

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Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	92	13,184
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	231	38,151
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	1,246	149,650
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	231	1,512,861
14	09064600	Eagle River near Minturn	3	2000	8/16/2000	39°33'14"	106°24'07"	8,078	186	Unknown <i>Cyanophyte Oscillatoriales</i> (no sheath)	35,144	569,867
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	15,699	864,577
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Aulacoseira ambigua</i> (Grunow) Simonsen	62	20,639
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Aulacoseira distans</i> (Ehrenberg) Simonsen	31	12,372
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Closterium venus</i> Kützing	132	11,238
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	248	149,237
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	31	32,443
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Cosmarium subcrenatum</i> Hantzsch	132	11,238
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Cymbella cistula</i> (Ehrenberg) Kirchner	31	37,412
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Denticula tenuis</i> Kützing	31	11,774
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Diatoma anceps</i> (Ehrenberg) Kirchner	31	12,935
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Encyonema minutum</i> (Hilse) Mann	248	459,267
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Encyonema silesiacum</i> (Bleisch) Mann	341	160,377
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Eucoconeis laevis</i> (Østrup) Lange-Bertalot	124	184,921
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Eunotia implicata</i> Nörpel, Lange-Bertalot et Alles	93	114,113
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Eunotia praeupta</i> Ehrenberg	31	106,828
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Fragilaria capucina</i> var. <i>fragilarioide</i> (Grunow) Ludwig et Flores	310	31,726
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	1,331	275,432
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Gomphonema consector</i> Hohn et Hellermann	31	40,316
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Gomphonema olivaceoides</i> Hustedt	62	9,474
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Hannaea arcus</i> (Ehrenberg) Patrick	93	225,559
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	56,060	1,816,813
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Melosira varians</i> Agardh	31	168,115
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Meridion circulare</i> (Greville) Agardh	31	20,097
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Navicula minima</i> Grunow	31	1,645
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Navicula tripunctata</i> (Müller) Bory	62	58,595
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Nitzschia dissipata</i> (Kützing) Grunow	124	32,208
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Nitzschia inconspicua</i> Grunow	62	3,324
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Nitzschia palea</i> (Kützing) Smith	62	10,733
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Phormidium autumnale</i> (Agardh) Gomont	104,451	10,228,851
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Psammothidium chlidanos</i> (Hohn et Hellerman) Lange-Bertalot	62	21,533
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Psammothidium scoticum</i> (Flower et Jones) Bukhtiyarova et Round	62	92,460

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Psammothidium subatomoides</i> (Hustedt) Bukhtiyarova et Round	62	92,460
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Pseudostaurosira brevistriata</i> var. <i>inflata</i> (Pantocsek) Edlund	31	3,862
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	341	56,318
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Rossithidium petersenii</i> (Hustedt) Round et Bukhtiyarova	31	8,643
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Stauroforma exiguiformis</i> (Lange-Bertalot) Flower, Jones et Round	31	1,700
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	1,548	185,950
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Staurosirella oldenburgiana</i> (Hustedt) Morales	31	26,537
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	31	2,981
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	62	406,045
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	31	49,226
21	09065100	Cross Creek near Minturn	1	2000	8/16/2000	39°34'05"	106°24'43"	7,992	34.2	<i>Unknown Rhodophyte</i> Florideophycidae (chantransia)	29,088	102,946,676
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Achnanthyidium minutissimum</i> (Kützing) Czarnecki	149,507	8,233,649
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Achnanthyidium pyrenaicum</i> (Hustedt) Kobayasi	43,846	5,516,230
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Brachysira microcephala</i> (Grunow) Compère	3,594	717,946
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Chlamydomonas</i> sp.	1,121	95,326
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Cymbella naviculiformis</i> Auerswald ex Héribaoud	719	1,332,628
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Denticula tenuis</i> Kützing	359	136,659
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Diatoma moniliformis</i> Kützing	359	54,166
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Encyonema minutum</i> (Hilse) Mann	719	153,808
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Encyonema silesiacum</i> (Bleisch) Mann	26,236	12,353,095
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	8,625	883,746
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	18,329	3,791,572
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Gomphonema olivaceoides</i> Hustedt	7,188	1,099,571
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	1,438	419,457
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Hannaea arcus</i> (Ehrenberg) Patrick	719	1,745,310

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

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25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	700,924	22,715,776
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Navicula minima</i> Grunow	1,078	57,263
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Nitzschia inconspicua</i> Grunow	2,516	135,013
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Nitzschia palea</i> (Kützing) Smith	719	124,574
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Phormidium autumnale</i> (Agardh) Gomont	98,690	9,664,641
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	2,516	415,962
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	9,704	63,622,501
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	1,078	1,714,026
25	393627106264000	Eagle River above Gore Creek near Minturn	1	2000	8/16/2000	39°36'27"	106°26'40"	7,730	260	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	217,567	770,006,963
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	35,309	1,944,538
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	2,269	285,511
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	334	349,671
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Cymbella cistula</i> (Ehrenberg) Kirchner	67	80,644
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Diatoma mesodon</i> (Ehrenberg) Kützing	67	71,074
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema brehmii</i> (Hustedt) Mann	200	5,521
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema minutum</i> (Hilse) Mann	67	123,749
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema silesiacum</i> (Bleisch) Mann	400	188,567
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	267	27,355
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	2,403	497,065
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema angustatum</i> (Kützing) Rabenhorst	67	27,595
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema olivaceoides</i> Hustedt	4,339	663,695
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	1,802	525,839
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Hannaea arcus</i> (Ehrenberg) Patrick	801	1,944,847

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29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	231,888	7,515,109
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Phormidium autumnale</i> (Agardh) Gomont	69,422	6,798,423
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Psammothidium chlidanos</i> (Hohn et Hellerman) Lange-Bertalot	67	23,208
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	1,068	176,578
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	67	6,426
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	5,785	8,586,771
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Synedra mazamaensis</i> Sovereign	200	37,424
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	1,068	7,002,107
29	09065500	Gore Creek at Upper Station near Minturn	1	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	3,857	13,649,777
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	16,873	929,223
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	646	81,229
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Amphora pediculus</i> (Kützing) Grunow	43	4,073
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	430	450,985
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Cosmarium subcrenatum</i> Hantzsch	201	17,083
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema brehmii</i> (Hustedt) Mann	1,550	42,723
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema silesiacum</i> (Bleisch) Mann	430	202,669
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Eucocconeis laevis</i> (Østrup) Lange-Bertalot	86	128,527
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	86	8,820
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	775	160,272
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema angustatum</i> (Kützing) Rabenhorst	43	17,795
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema olivaceoides</i> Hustedt	3,702	566,274
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	344	100,474
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Hannaea arcus</i> (Ehrenberg) Patrick	344	836,118

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29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	500,820	16,230,753
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Navicula schmassmanni</i> Hustedt	86	645,733
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Phormidium autumnale</i> (Agardh) Gomont	43,611	4,270,767
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	1,851	306,026
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	258	31,018
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	4,019	5,965,943
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Synedra mazamaensis</i> Sovereign	43	8,044
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	344	2,257,729
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Ulothrix</i> sp.	1,407	119,578
29	09065500	Gore Creek at Upper Station near Minturn	2	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	2,010	7,112,725
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Achnanthidium minutissimum</i> (Kützing) Czamecki	18,588	1,023,695
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Achnanthidium pyrenaicum</i> (Hustedt) Kobayasi	669	84,189
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	37	38,952
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Diatoma mesodon</i> (Ehrenberg) Kützing	74	79,174
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema brehmii</i> (Hustedt) Mann	37	1,025
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema minutum</i> (Hilse) Mann	74	137,851
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema silesiacum</i> (Bleisch) Mann	372	175,047
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Eucoconeis laevis</i> (Østrup) Lange-Bertalot	74	111,010
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	74	7,618
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	297	61,523
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema angustatum</i> (Kützing) Rabenhorst	74	30,740
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema olivaceoides</i> Hustedt	2,863	437,911
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Hannaea arcus</i> (Ehrenberg) Patrick	335	812,431

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	119,029	3,857,516
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Phormidium autumnale</i> (Agardh) Gomont	15,037	1,472,602
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	335	55,322
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Rossthidium pusillum</i> (Grunow) Round et Bukhtiyarova	37	3,374
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Sellaphora disjuncta</i> (Hustedt) Mann	74	8,030
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Sellaphora seminulum</i> (Grunow) Mann	37	4,706
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	149	14,317
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	260	1,706,266
29	09065500	Gore Creek at Upper Station near Minturn	3	2000	8/18/2000	39°37'33"	106°16'39"	8,600	14.4	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	1,377	4,872,257
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Achnanthidium minutissimum</i> (Kützinger) Czarnecki	26,430	1,433,038
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Achnanthidium pyrenaicum</i> (Hustedt) Kobayasi	936	118,300
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	72	42,791
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	4,897	5,164,383
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Didymosphenia geminata</i> (Lyngbye) Schmidt	72	4,405,904
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema brehmii</i> (Hustedt) Mann	576	15,885
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Encyonema silesiacum</i> (Bleisch) Mann	936	444,644
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Eucocconeis laevis</i> (Østrup) Lange-Bertalot	72	107,519
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Fragilaria vaucheriae</i> (Kützinger) Petersen	1,224	241,193
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema olivaceoides</i> Hustedt	720	108,430
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	3,961	864,448
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Hannaea arcus</i> (Ehrenberg) Patrick	72	144,402
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	452,433	7,788,033
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Nitzschia dissipata</i> (Kützinger) Grunow	72	18,568

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

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29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Phormidium autumnale</i> (Agardh) Gomont	9,014	873,986
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	<i>Reimeria sinuata</i> (Gregory)	3,529	594,734
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	Kociolek et Stoermer Unknown <i>alga flagellate</i> (<10µ)	644	61,879
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	Unknown <i>Cyanophyte Oscillatoriales</i> (no sheath)	24,038	356,620
29	09065500	Gore Creek at Upper Station near Minturn	1	2001	8/14/2001	39°37'33"	106°16'39"	8,600	14.4	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	13,092	83,796,693
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Achnanthydium minutissimum</i> (Kützing) Czamecki	39,586	2,180,050
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	1,991	250,515
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Amphora pediculus</i> (Kützing) Grunow	80	7,537
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Chlamydomonas</i> sp.	749	63,665
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	478	500,714
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Cymbella affinis</i> Kützing	1,115	564,352
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Encyonema brehmii</i> (Hustedt) Mann	1,593	43,921
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Encyonema silesiacum</i> (Bleisch) Mann	7,328	3,450,259
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	478	48,964
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	637	131,811
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Gomphonema olivaceoides</i> Hustedt	159	24,369
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	796	274,047
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	1,832	534,523
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Hannaea arcus</i> (Ehrenberg) Patrick	159	386,797
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	1,213,750	39,335,610
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Meridion circulare</i> (Greville) Agardh	80	51,695
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Navicula gregaria</i> Donkin	319	79,642
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Nitzschia dissipata</i> (Kützing) Grunow	319	82,847
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Nitzschia fonticola</i> Grunow	319	31,638
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Nitzschia inconspicua</i> Grunow	159	8,549

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34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Phormidium autumnale</i> (Agardh) Gomont	139,313	13,642,855
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	2,071	342,405
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	319	30,673
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	4,119	6,114,458
34	09066000	Black Gore Creek near Minturn	1	2000	8/17/2000	39°35'47"	106°15'52"	9,150	12.6	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	478	3,133,352
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Achnanthes minutissimum</i> (Kützing) Czarnecki	14,096	764,299
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Achnanthes pyrenaicum</i> (Hustedt) Kobayasi	1,122	141,787
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Adlafia minuscula</i> (Grunow) Lange-Bertalot	140	11,670
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Amphipleura pellucida</i> (Kützing) Kützing	70	54,561
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	5,260	3,125,263
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	3,226	3,402,070
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Cocconeis placentula</i> var. <i>pseudolineata</i> Geitler	70	139,358
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Cymbella affinis</i> Kützing	842	428,309
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Diatoma vulgaris</i> Bory	210	777,368
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Encyonema brehmii</i> (Hustedt) Mann	140	3,867
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Encyonema silesiacum</i> (Bleisch) Mann	10,379	4,929,539
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	1,473	290,143
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Geissleria acceptata</i> (Hustedt) Lange-Bertalot et Metzeltin	140	14,398
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Gomphonema minutum</i> (Agardh) Agardh	70	5,730
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Gomphonema olivaceoides</i> Hustedt	421	63,355
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	1,262	478,346
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	140	30,611
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Hannaea arcus</i> (Ehrenberg) Patrick	491	984,342
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	616,132	10,605,889
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Meridion circulare</i> (Greville) Agardh	140	91,034
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Navicula cryptocephala</i> Kützing	140	51,397
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	140	37,256
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Navicula gregaria</i> Donkin	70	17,600
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Navicula incertata</i> Hustedt	210	12,530
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Navicula minima</i> Grunow	140	6,313
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Navicula tripunctata</i> (Müller) Bory	421	382,627
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Navicula veneta</i> Kützing	140	30,967
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Nitzschia</i> cf. <i>tubicola</i> Grunow ex Cleve et Grunow	140	45,771
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Nitzschia dissipata</i> (Kützing) Grunow	70	18,082
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Nitzschia inconspicua</i> Grunow	491	26,512
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Nitzschia supralittorea</i> Lange-Bertalot	70	5,624

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	210	28,820
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	421	70,918
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	70	8,423
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	70	6,772
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	281	1,708,027
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	<i>Ulothrix</i> sp.	3,445	292,849
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	Unknown <i>alga flagellate</i> (<10µ)	1,723	165,550
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	Unknown <i>Cyanophyte Oscillatoriales</i> (no sheath)	24,978	370,567
37	09066050	Black Gore Creek near Vail	1	2001	8/17/2001	39°37'24"	106°16'47"	8,570	19.6	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	5,742	36,752,527
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	378,376	20,837,890
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	33,454	4,208,830
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Amphora pediculus</i> (Kützing) Grunow	2,307	218,327
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	1,154	1,208,671
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Cymbella affinis</i> Kützing	2,307	1,167,676
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Diatoma mesodon</i> (Ehrenberg) Kützing	11,536	12,283,781
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Encyonema brehmii</i> (Hustedt) Mann	2,307	63,612
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Encyonema minutum</i> (Hilse) Mann	12,689	2,715,334
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Encyonema silesiacum</i> (Bleisch) Mann	220,335	103,744,996
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	24,225	5,011,287
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Gomphonema angustatum</i> (Kützing) Rabenhorst	36,915	15,261,664
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	21,918	7,541,343
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Hannaea arcus</i> (Ehrenberg) Patrick	68,062	165,262,909
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	2,071,775	67,142,766
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	2,307	835,016
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Navicula tripunctata</i> (Müller) Bory	1,154	1,091,477
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Nitzschia</i> cf. <i>tubicola</i> Grunow ex Cleve et Grunow	2,307	564,680
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Nitzschia fonticola</i> Grunow	2,307	229,110
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Phormidium autumnale</i> (Agardh) Gomont	1,119,475	109,629,265
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	9,229	1,525,900
44	393824106221700	Mill Creek near Vail	1	2000	8/17/2000	39°38'24"	106°22'17"	8,210	7.5	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	95,529	141,790,844
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	3,313,311	179,650,738
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	541,119	68,376,853

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Adlafia minuscula</i> (Grunow) Lange-Bertalot	16,650	1,385,282
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Amphora pediculus</i> (Kützing) Grunow	41,625	4,024,511
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Caloneis bacillum</i> (Grunow) Cleve	16,650	7,162,190
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	16,650	17,558,764
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Cymbella affinis</i> Kützing	66,599	33,895,685
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Encyonema minutum</i> (Hilse) Mann	83,249	17,967,946
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Encyonema silesiacum</i> (Bleisch) Mann	449,545	213,509,298
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	83,249	16,401,010
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Gomphonema minutum</i> (Agardh) Agardh	16,650	1,360,376
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	24,975	9,463,881
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Gomphonema parvulum</i> (Kützing) Kützing	41,625	9,095,863
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Hannaea arcus</i> (Ehrenberg) Patrick	33,300	66,770,749
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	35,633,323	613,379,816
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	66,599	17,690,195
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Navicula minima</i> Grunow	33,300	1,498,707
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Navicula tripunctata</i> (Müller) Bory	33,300	30,280,478
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Nitzschia</i> cf. <i>tubicola</i> Grunow ex Cleve et Grunow	58,274	19,016,851
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Nitzschia dissipata</i> (Kützing) Grunow	33,300	8,585,804
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Nitzschia fonticola</i> Grunow	49,949	4,968,754
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Nitzschia inconspicua</i> Grunow	99,899	3,518,121
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	<i>Phormidium autumnale</i> (Agardh) Gomont	8,479,235	822,105,660
44	393824106221700	Mill Creek near Vail	1	2001	8/17/2001	39°38'24"	106°22'17"	8,210	7.5	Unknown alga flagellate (<10µ)	102,690	9,868,732
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Achnanthyidium minutissimum</i> (Kützing) Czarnecki	15,413	848,840
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Achnanthyidium pyrenaicum</i> (Hustedt) Kobayasi	75	9,444
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	425	256,261
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	225	235,948
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Cymbella affinis</i> Kützing	50	25,327
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Diatoma mesodon</i> (Ehrenberg) Kützing	25	26,644
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Encyonema brehmii</i> (Hustedt) Mann	50	1,380
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Encyonema silesiacum</i> (Bleisch) Mann	776	365,225
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	50	5,127
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	300	62,112
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Gomphonema angustatum</i> (Kützing) Rabenhorst	100	41,379

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47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	475	163,574
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Gomphonema pumilum</i> (Grunow)	325	94,911
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	Reichardt et Lange-Bertalot <i>Hannaea arcus</i> (Ehrenberg) Patrick	100	243,024
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Homoeothrix janthina</i> (Bornet et Flahault)	189,844	6,152,540
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	Starmach <i>Navicula incertata</i> Hustedt	50	2,587
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Nitzschia fonticola</i> Grunow	100	9,939
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Phormidium autumnale</i> (Agardh) Gomont	19,024	1,863,039
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Planothidium lanceolatum</i>	25	3,574
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	(Brébisson ex Kützing) Lange-Bertalot <i>Reimeria sinuata</i> (Gregory)	75	12,411
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	Kociolek et Stoermer <i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg)	50	6,010
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	Hamilton <i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	2,528	3,751,824
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	200	1,312,450
47	09066310	Gore Creek at Lower Station at Vail	1	2000	8/17/2000	39°38'28"	106°23'37"	8,060	77.1	Unknown <i>Rhodophyte Florideophycidae</i>	3,592	12,712,752
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	(chantransia) <i>Achnanthydium minutissimum</i> (Kützing)	305,012	16,797,569
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	Czarnecki <i>Achnanthydium pyrenaicum</i> (Hustedt)	122,354	15,393,330
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	Kobayasi <i>Amphora pediculus</i> (Kützing) Grunow	1,748	165,405
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Chlamydomonas</i> sp.	4,760	404,624
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg)	1,748	1,831,384
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	Van Heurck <i>Diatoma moniliformis</i> Kützing	27,967	4,214,982
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Diatoma vulgaris</i> Bory	15,731	58,125,740
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Encyonema brehmii</i> (Hustedt) Mann	1,748	48,193
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Encyonema minutum</i> (Hilse) Mann	1,748	374,026
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Encyonema silesiacum</i> (Bleisch) Mann	105,749	49,792,080

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

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47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Eucoconeis laevis</i> (Østrup) Lange-Bertalot	1,748	2,609,642
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Fragilaria vaucheriae</i> (Kützinger) Petersen	27,093	5,604,448
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Gomphonema olivaceum</i> (Lyngbye) Kützinger	33,210	11,426,673
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Hannaea arcus</i> (Ehrenberg) Patrick	3,496	8,488,374
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	1,140,089	36,948,388
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	3,496	1,265,220
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Nitzschia fonticola</i> Grunow	3,496	347,148
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Phormidium autumnale</i> (Agardh) Gomont	211,833	20,744,619
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	7,866	1,300,528
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Rossethidium pusillum</i> (Grunow) Round et Bukhtiarova	1,748	158,653
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	5,244	34,381,135
47	09066310	Gore Creek at Lower Station at Vail	2	2000	8/18/2000	39°38'28"	106°23'37"	8,060	77.1	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	40,462	143,203,711
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Achnanthes minutissimum</i> (Kützinger) Czarnecki	230,483	12,693,138
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Achnanthes pyrenaicum</i> (Hustedt) Kobayasi	80,598	10,140,042
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Chlamydomonas</i> sp.	4,510	383,367
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Diatoma moniliformis</i> Kützinger	28,280	4,262,223
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Diatomella balfouriana</i> (Smith) Greville	14,140	11,511,085
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Encyonema brehmi</i> (Hustedt) Mann	14,140	389,862
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Encyonema minutum</i> (Hilse) Mann	26,866	5,748,911
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Encyonema silesiacum</i> (Bleisch) Mann	199,375	93,875,958
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Fragilaria vaucheriae</i> (Kützinger) Petersen	53,732	11,115,144
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Gomphonema olivaceum</i> (Lyngbye) Kützinger	11,312	3,892,123
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Gomphonema parvulum</i> (Kützinger) Kützinger	2,828	631,647
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Hannaea arcus</i> (Ehrenberg) Patrick	1,414	3,433,404
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	1,639,456	53,132,027
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	26,866	9,723,444
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Navicula incertata</i> Hustedt	55,146	2,851,234
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Navicula tripunctata</i> (Müller) Bory	8,484	8,027,258
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Navicula veneta</i> Kützinger	14,140	3,066,126
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Nitzschia dissipata</i> (Kützinger) Grunow	2,828	735,395
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Nitzschia fonticola</i> Grunow	131,503	13,058,658
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Nitzschia inconspicua</i> Grunow	31,108	1,124,825

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Phormidium autumnale</i> (Agardh) Gomont	1,062,151	104,015,572
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	5,656	807,916
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	97,566	16,131,943
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	31,571	46,860,667
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	8,484	55,626,351
51	393826106235300	Gore Creek below WWTP	1	2000	8/18/2000	39°38'26"	106°23'53"	8,050	91.1	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	1,414	2,247,908
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	124,853	6,875,898
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	62,427	7,853,857
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Amphora pediculus</i> (Kützing) Grunow	4,802	454,417
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	1,201	723,245
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Diatoma vulgaris</i> Bory	7,203	26,614,746
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Encyonema brehmii</i> (Hustedt) Mann	14,406	397,198
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Encyonema minutum</i> (Hilse) Mann	22,810	4,880,905
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Encyonema silesiacum</i> (Bleisch) Mann	140,460	66,135,683
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Geissleria acceptata</i> (Hustedt) Lange-Bertalot et Metzeltin	2,401	246,467
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Gomphonema minutum</i> (Agardh) Agardh	1,201	208,241
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	5,606,642	181,701,943
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	6,003	2,172,457
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Navicula incertata</i> Hustedt	36,015	1,862,105
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Navicula tripunctata</i> (Müller) Bory	9,604	9,087,003
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Nitzschia dissipata</i> (Kützing) Grunow	4,802	1,248,720
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Nitzschia fonticola</i> Grunow	46,820	4,649,379
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Nitzschia inconspicua</i> Grunow	34,815	1,258,853
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Phormidium autumnale</i> (Agardh) Gomont	1,117,723	109,457,708
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	286,922	47,440,602

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

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53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	54,083	80,274,736
53	09066510	Gore Creek at mouth near Minturn	1	2000	8/17/2000	39°36'34"	106°26'50"	7,730	102	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	67,604	239,263,151
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	56,525	3,064,839
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	37,683	4,761,747
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Amphora pediculus</i> (Kützing) Grunow	3,426	331,223
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Caloneis bacillum</i> (Grunow) Cleve	1,713	736,824
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	2,569	1,526,662
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	5,139	5,419,173
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Diatoma vulgaris</i> Bory	5,995	22,151,333
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Encyonema brehmii</i> (Hustedt) Mann	11,990	330,586
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Encyonema minutum</i> (Hilse) Mann	20,555	4,436,367
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Encyonema silesiacum</i> (Bleisch) Mann	164,436	78,098,394
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	6,852	1,349,828
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Gomphonema minutum</i> (Agardh) Agardh	10,277	839,707
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	2,569	973,615
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	4,770,777	82,122,520
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	856	24,593
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Navicula gregaria</i> Donkin	1,713	429,867
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Navicula incertata</i> Hustedt	4,282	255,031
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Navicula tripunctata</i> (Müller) Bory	8,564	7,787,904
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Navicula veneta</i> Kützing	856	189,087
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Nitzschia fonticola</i> Grunow	120,758	12,012,494
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Nitzschia inconspicua</i> Grunow	3,426	120,644

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53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	1,713	89,324
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Phormidium autumnale</i> (Agardh) Gomont	456,067	44,218,007
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	856	117,320
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	48,817	8,227,611
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Scenedesmus ecornis</i> (Ralfs) Chodat	4,944	115,111
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	12,360	21,860,534
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	Unknown <i>alga flagellate</i> (<10µ)	2,472	237,556
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	Unknown <i>Cyanophyte Oscillatoriales</i> (no sheath)	79,101	1,173,507
53	09066510	Gore Creek at mouth near Minturn	1	2001	8/16/2001	39°36'34"	106°26'50"	7,730	102	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	8,652	55,374,886
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Achnanthes nodosa</i> Cleve	186	278,416
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Achnantheidium minutissimum</i> (Kützing) Czamecki	26,853	1,478,859
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Achnantheidium pyrenaicum</i> (Hustedt) Kobayasi	186	23,461
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Adlafia minuscula</i> (Grunow) Lange-Bertalot	186	9,569
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Amphora pediculus</i> (Kützing) Grunow	559	52,940
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Chlamydomonas</i> sp.	1,488	126,484
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	93	56,172
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	3,823	4,005,405
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Diatoma mesodon</i> (Ehrenberg) Kützing	93	99,286
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Discostella stelligera</i> (Hustedt) Houk et Klee	93	24,486
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Encyonema brehmii</i> (Hustedt) Mann	4,476	123,397
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Encyonema minutum</i> (Hilse) Mann	186	39,904
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Encyonema silesiacum</i> (Bleisch) Mann	4,942	2,326,826
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Fragilaria capucina</i> Desmazières	559	104,516
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	1,119	231,454
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Geissleria acceptata</i> (Hustedt) Lange-Bertalot et Metzeltin	186	19,142
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Gomphonema olivaceoides</i> Hustedt	93	14,264
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Gomphonema olivaceoides</i> var. <i>hutchinsoniana</i> Patrick	186	28,249
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	9,231	2,693,381
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Gomphonema subclavatum</i> (Grunow) Grunow	932	744,402
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Hannaea arcus</i> (Ehrenberg) Patrick	373	905,603

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	239,079	7,748,141
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Karayevia clevei</i> (Grunow) Bukhtiyarova	93	20,234
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Navicula cryptocephala</i> Kützing	186	70,651
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	1,492	539,932
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Navicula incertata</i> Hustedt	2,984	154,266
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Navicula veneta</i> Kützing	932	202,182
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Nitzschia inconspicua</i> Grunow	373	20,016
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Nitzschia palea</i> (Kützing) Smith	186	32,319
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Phormidium autumnale</i> (Agardh) Gomont	889,849	87,142,173
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	559	79,912
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	11,562	1,911,666
55	393501106313200	Beaver Creek above Avon	1	2000	8/16/2000	39°35'01"	106°31'32"	8,840	8.1	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	186	22,397
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Achnanthes levanderi</i> Hustedt	116	173,474
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Achnantheidium minutissimum</i> (Kützing) Czarniecki	52,635	2,853,898
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Adlafia minuscula</i> (Grunow) Lange-Bertalot	232	19,334
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Aulacoseira distans</i> (Ehrenberg) Simonsen	232	140,957
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	2,091	2,205,620
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Diatoma mesodon</i> (Ehrenberg) Kützing	1,627	1,468,384
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Encyonema brehmii</i> (Hustedt) Mann	1,046	28,832
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Encyonema silesiacum</i> (Bleisch) Mann	4,531	2,152,197
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	930	183,128
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Gomphonema minutum</i> (Agardh) Agardh	349	28,480
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Gomphonema parvulum</i> (Kützing) Kützing	581	126,952
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	2,440	532,530
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Hannaea arcus</i> (Ehrenberg) Patrick	232	465,962
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	15,634,095	269,119,952
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	581	16,682
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Meridion circulare</i> (Greville) Agardh	232	150,826
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	697	185,177
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Navicula incertata</i> Hustedt	349	20,760
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Navicula tripunctata</i> (Müller) Bory	232	211,313
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Nitzschia</i> cf. <i>tubicola</i> Grunow ex Cleve et Grunow	232	75,834
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Nitzschia fonticola</i> Grunow	232	23,116
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Nitzschia inconspicua</i> Grunow	465	16,368
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Nitzschia linearis</i> (Agardh ex Wm. Smith) Wm. Smith	232	670,860
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	232	12,118

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	581	79,583
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	1,975	332,908
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	232	22,441
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	116	196,935
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	Unknown <i>alga</i> <i>flagellate</i> (<10µ)	5,330	512,207
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	Unknown <i>Cyanophyte Oscillatoriales</i> (no sheath)	74,025	1,098,203
55	393501106313200	Beaver Creek above Avon	1	2001	8/16/2001	39°35'01"	106°31'32"	8,840	8.1	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	6,514	41,694,090
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Achnanthyidium minutissimum</i> (Kützing) Czarnecki	369,438	20,345,640
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Amphora pediculus</i> (Kützing) Grunow	6,987	661,179
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Caloneis bacillum</i> (Grunow) Cleve	3,494	1,502,788
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Chlamydomonas</i> sp.	4,277	363,558
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Cladophora glomerata</i> (Linnaeus) Kützing	19,247	104,483,445,625
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Cocconeis pediculus</i> Ehrenberg	3,494	12,084,841
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	7,860	4,735,467
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	6,987	7,320,645
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Diatoma vulgaris</i> Bory	1,747	6,454,104
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Encyonema brehmii</i> (Hustedt) Mann	13,101	361,204
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Encyonema minutum</i> (Hilse) Mann	24,455	5,232,867
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Encyonema silesiacum</i> (Bleisch) Mann	65,503	30,842,256
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Fallacia pygmaea</i> (Kützing) Stickle et Mann	1,747	2,007,862
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Fragilaria capucina</i> Desmazières	5,240	978,991
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	1,747	361,336
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Gomphonema subclavatum</i> (Grunow) Grunow	27,948	22,312,807
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	190,333	6,168,379
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Navicula cryptocephala</i> Kützing	1,747	661,782
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	20,961	7,586,254
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Navicula incertata</i> Hustedt	3,494	180,625
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Navicula lanceolata</i> (Agardh) Ehrenberg	3,494	4,391,612
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Navicula tripunctata</i> (Müller) Bory	6,987	6,610,824
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Navicula veneta</i> Kützing	3,494	757,530
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Nitzschia fonticola</i> Grunow	18,341	1,821,313
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Nitzschia heufferiana</i> Grunow	5,240	61,384,339
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Nitzschia inconspicua</i> Grunow	1,747	93,743
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Nitzschia palea</i> (Kützing) Smith	1,747	302,732
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Nitzschia recta</i> Hantzsch ex Rabenhorst	5,240	9,093,487
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Oedogonium</i> sp.	6,416	262,926,920
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	1,747	249,509

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Rhoicosphenia curvata</i> (Kützing)	6,987	3,720,861
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	Grunow ex Rabenhorst		
56	09067000	Beaver Creek at Avon	1	2000	8/16/2000	39°37'47"	106°31'20"	7,453	14.8	<i>Surirella angusta</i> Kützing	1,747	1,978,540
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Surirella minuta</i> Brébisson	1,747	1,648,834
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Achnanthydium minutissimum</i> (Kützing)	90,944	5,008,483
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	Czarnecki		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Achnanthydium pyrenaicum</i> (Hustedt)	3,163	397,971
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	Kobayasi		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Brachysira microcephala</i> (Grunow) Compère	1,582	315,959
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Diatoma moniliformis</i> Kützing	4,745	715,129
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Encyonema brehmii</i> (Hustedt) Mann	14,235	392,474
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Encyonema minutum</i> (Hilse) Mann	1,582	338,446
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Encyonema silesiacum</i> (Bleisch) Mann	174,772	82,291,416
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Fragilaria capucina</i> var. <i>fragilarioides</i>	791	81,026
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	(Grunow) Ludwig et Flores		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	19,771	4,089,766
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Geissleria acceptata</i> (Hustedt)	1,582	162,357
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	Lange-Bertalot et Metzeltin		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Gomphonema minutum</i> (Agardh) Agardh	791	137,176
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	3,163	1,088,388
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Hannaea arcus</i> (Ehrenberg) Patrick	6,327	15,361,790
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Homoeothrix janthina</i> (Bornet et Flahault)	2,920,894	94,661,306
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	Starmach		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	3,954	103,272
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Melosira varians</i> Agardh	6,327	34,348,573
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Navicula incertata</i> Hustedt	5,536	286,216
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Navicula minima</i> Grunow	1,582	84,002
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Navicula tenelloides</i> Hustedt	1,582	257,197
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia fonticola</i> Grunow	9,490	942,375
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia frustulum</i> (Kützing) Grunow	3,163	236,345
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia inconspicua</i> Grunow	3,163	114,380
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia palea</i> (Kützing) Smith	25,306	4,385,865
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	185,052	5,669,314
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Phormidium autumnale</i> (Agardh) Gomont	380,174	37,230,178
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Planothidium lanceolatum</i>	1,582	225,924
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	(Brébisson ex Kützing) Lange-Bertalot		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Reimeria sinuata</i> (Gregory)	14,235	2,353,624
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	Kociolek et Stoermer		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg)	1,582	189,963
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	Hamilton		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Staurosirella pinnata</i> (Ehrenberg)	791	76,137
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	Williams et Round		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Surirella angusta</i> Kützing	1,582	1,791,522
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Surirella brebissonii</i>	1,582	4,493,721
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	Krammer et Lange-Bertalot		
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	1,582	10,370,180
57	09067005	Eagle River at Avon	1	2000	8/18/2000	39°37'54"	106°31'19"	7,410	395	<i>Tabellaria flocculosa</i> (Roth) Kützing	791	6,817,673

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	14,503	786,369
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	594	75,108
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Adlafia bryophila</i> (Petersen) Lange-Bertalot	238	10,142
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Adlafia minuscula</i> (Grunow) Lange-Bertalot	119	9,891
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Amphora pediculus</i> (Kützing) Grunow	357	34,481
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Calothrix parientina</i> (Nägeli) Thuret	4,670	379,333
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Chlamydomonas</i> sp.	1,038	2,053,973
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	238	250,735
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Diatoma moniliformis</i> Kützing	238	43,391
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Encyonema brehmii</i> (Hustedt) Mann	357	9,833
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Encyonema minutum</i> (Hilse) Mann	1,545	333,551
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Encyonema silesiacum</i> (Bleisch) Mann	38,397	18,236,689
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	5,231	1,030,490
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Gomphonema minutum</i> (Agardh) Agardh	476	38,852
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	1,025,295	17,649,077
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Melosira varians</i> Agardh	2,853	14,744,783
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Navicula tripunctata</i> (Müller) Bory	713	648,596
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia dissipata</i> (Kützing) Grunow	713	183,905
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia fonticola</i> Grunow	4,636	461,191
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia linearis</i> (Agardh ex Wm. Smith) Wm. Smith	238	686,370
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	1,427	74,391
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Phormidium autumnale</i> (Agardh) Gomont	10,896	1,056,458
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	594	81,423
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	2,378	400,711
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Staurosira construens</i> Ehrenberg	594	115,028
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	1,427	171,333
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	713	348,380
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	476	45,919
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Synedra rumpens</i> Kützing	1,664	199,983
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	1,783	3,022,312
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	Unknown Cyanophyte <i>Oscillatoriales</i> (no sheath)	31,651	469,565
57	09067005	Eagle River at Avon	1	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	Unknown Rhodophyte <i>Florideophycidae</i> (chantransia)	1,557	9,963,138
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	14,169	768,267
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	114	14,439

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Amphora pediculus</i> (Kützing) Grunow	229	22,096
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Aulacoseira distans</i> (Ehrenberg) Simonsen	343	207,935
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Chlamydomonas</i> sp.	470	929,948
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	114	120,506
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Cymbella affinis</i> Kützing	229	116,313
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Encyonema minutum</i> (Hilse) Mann	229	49,326
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Encyonema silesiacum</i> (Bleisch) Mann	28,338	13,459,207
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Encyonopsis cesatii</i> (Rabenhorst) Krammer	114	211,853
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	4,799	945,507
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	343	129,901
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Gomphonema parvulum</i> (Kützing) Kützing	114	24,970
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	457	99,755
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Hannaea arcus</i> (Ehrenberg) Patrick	2,057	4,124,236
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	763,031	13,134,549
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Melosira varians</i> Agardh	11,884	61,416,464
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	457	121,408
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Navicula minima</i> Grunow	229	10,286
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Navicula tripunctata</i> (Müller) Bory	229	207,815
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia dissipata</i> (Kützing) Grunow	457	117,849
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia fonticola</i> Grunow	2,971	295,539
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia inconspicua</i> Grunow	229	12,342
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	229	11,918
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Pinnularia mesolepta</i> (Ehrenberg) Smith	229	816,996
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	229	31,306
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	1,485	250,362
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	2,285	274,482
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	229	111,624
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Surirella brebissonii</i> Krammer et Lange-Bertalot	343	568,017
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Surirella minuta</i> Brébisson	114	100,890
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	2,400	4,067,164
57	09067005	Eagle River at Avon	2	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	Unknown alga flagellate (<10µ)	1,879	180,614
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Achnanthyidium minutissimum</i> (Kützing) Czarnecki	56,127	3,043,233
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Caloneis ventricosa</i> var. <i>truncatula</i> (Grunow) Meister	819	912,015
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	819	864,097
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Diatoma moniliformis</i> Kützing	2,048	373,844
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Encyonema brehmii</i> (Hustedt) Mann	2,458	67,773

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Encyonema minutum</i> (Hilse) Mann	2,868	618,964
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Encyonema silesiacum</i> (Bleisch) Mann	117,989	56,038,211
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Euglena</i> sp.	797	1,195,427
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	9,423	1,856,381
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Gomphonema minutum</i> (Agardh) Agardh	819	66,946
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Hannaea arcus</i> (Ehrenberg) Patrick	410	821,476
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	1,131,671	19,480,201
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	819	23,528
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Melosira varians</i> Agardh	26,629	137,622,299
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	819	217,641
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Navicula minima</i> Grunow	3,277	147,508
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Navicula veneta</i> Kützing	3,687	814,056
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia dissipata</i> (Kützing) Grunow	819	211,261
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia fonticola</i> Grunow	15,978	1,589,387
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia recta</i> Hantzsch ex Rabenhorst	819	1,247,345
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Nitzschia vermicularis</i> (Kützing) Hantzsch ex Rabenhorst	819	3,748,564
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Phormidium autumnale</i> (Agardh) Gomont	102,807	9,967,647
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Psammothidium chlidanos</i> (Hohn et Heller-man) Lange-Bertalot	410	33,247
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	5,326	897,621
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Rhoicosphenia abbreviata</i> (Agardh) Lange-Bertalot	819	424,014
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Stauroforma exiguiformis</i> (Lange-Bertalot) Flower, Jones et Round	410	22,492
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	3,277	393,639
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	819	400,203
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Surirella brebissonii</i> Krammer et Lange-Bertalot	819	1,357,670
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	2,868	4,860,651
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	Unknown alga flagellate (<10µ)	2,391	229,767
57	09067005	Eagle River at Avon	3	2001	8/16/2001	39°37'54"	106°31'19"	7,410	395	Unknown Cyanophyte <i>Oscillatoriales</i> (no sheath)	32,675	484,752
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	68,398	3,766,787
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	795	100,059
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Caloneis bacillum</i> (Grunow) Cleve	1,591	684,242
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Chlamydomonas</i> sp.	1,794	152,465
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Diatoma moniliformis</i> Kützing	2,386	359,599
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Diatoma tenuis</i> Agardh	795	89,540
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Diatoma vulgaris</i> Bory	795	2,938,648
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Encyonema brehmii</i> (Hustedt) Mann	9,544	263,138

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Encyonema minutum</i> (Hilse) Mann	1,591	340,372
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Encyonema silesiacum</i> (Bleisch) Mann	187,696	88,376,844
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Fistulifera pelliculosa</i> (Brébisson ex Kützing) Lange-Bertalot	3,181	83,018
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	795	81,487
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	4,772	987,129
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	2,286,972	74,116,969
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	37,380	976,284
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Melosira varians</i> Agardh	5,567	30,226,021
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Navicula minima</i> Grunow	7,953	422,402
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Navicula tantula</i> Hustedt	795	43,625
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia fonticola</i> Grunow	3,977	394,891
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia fruticosa</i> Hustedt	1,591	296,398
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia inconspicua</i> Grunow	13,520	725,605
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia palea</i> (Kützing) Smith	53,287	9,235,159
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	148,725	4,556,385
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Phormidium autumnale</i> (Agardh) Gomont	846,628	82,909,623
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	31,813	5,260,037
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Scenedesmus acutus</i> Meyen	28,699	2,606,262
59	393845106353000	Eagle River at Edwards	1	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	3,181	5,057,428
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	78,334	4,313,981
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	7,121	895,920
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Amphora pediculus</i> (Kützing) Grunow	3,561	336,941
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	1,780	1,865,322
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Diatoma moniliformis</i> Kützing	3,561	536,637
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Encyonema brehmii</i> (Hustedt) Mann	1,780	49,086
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Encyonema minutum</i> (Hilse) Mann	24,924	5,333,400
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Encyonema silesiacum</i> (Bleisch) Mann	434,396	204,535,751
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	19,583	4,051,057
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Hannaea arcus</i> (Ehrenberg) Patrick	7,121	17,291,353
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	37,969,578	1,230,530,848
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	359,623	9,392,532
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	1,780	644,333
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Navicula incertata</i> Hustedt	3,561	184,095
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia capitellata</i> Hustedt	3,561	892,675
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia fonticola</i> Grunow	44,508	4,419,771
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia inconspicua</i> Grunow	10,682	386,240
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia palea</i> (Kützing) Smith	24,924	4,319,669
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	423,714	12,981,017
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Phormidium autumnale</i> (Agardh) Gomont	564,803	55,310,742

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59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Reimeria sinuata</i> (Gregory)	49,849	8,242,135
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	Kociolek et Stoermer		
59	393845106353000	Eagle River at Edwards	2	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	779,967	1,157,687,008
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	1,780	11,672,757
										<i>Achnanthydium minutissimum</i> (Kützing)	84,261	4,640,409
										Czarnecki		
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Achnanthydium pyrenaicum</i> (Hustedt)	8,548	1,075,446
										Kobayasi		
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Chlamydomonas</i> sp.	3,060	260,140
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Diatoma vulgaris</i> Bory	2,442	9,024,271
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Encyonema brehmii</i> (Hustedt) Mann	2,442	67,339
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Encyonema minutum</i> (Hilse) Mann	17,096	3,658,355
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Encyonema silesiacum</i> (Bleisch) Mann	352,919	166,172,394
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	1,221	125,119
										<i>Fragilaria vaucheriae</i> (Kützing) Petersen	3,664	757,842
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	2,442	840,335
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Hannaea arcus</i> (Ehrenberg) Patrick	1,221	2,965,177
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	4,382,595	142,032,601
										<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	28,087	733,569
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Melosira varians</i> Agardh	8,548	46,410,423
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Navicula incertata</i> Hustedt	2,442	126,277
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Navicula minima</i> Grunow	4,885	259,430
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia angustata</i> (Smith) Grunow	4,885	25,691,663
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia dissipata</i> (Kützing) Grunow	2,442	635,106
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia fonticola</i> Grunow	23,202	2,304,066
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia inconspicua</i> Grunow	2,442	88,312
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia palea</i> (Kützing) Smith	129,444	22,434,168
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	275,985	8,455,160
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Phormidium autumnale</i> (Agardh) Gomont	73,451	7,193,028
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Reimeria sinuata</i> (Gregory)	25,645	4,240,164
										Kociolek et Stoermer		
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Scenedesmus quadricauda</i> (Turpin) Brébisson	12,242	1,399,313
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	91,814	136,277,679
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	3,664	24,020,185
59	393845106353000	Eagle River at Edwards	3	2000	8/15/2000	39°38'45"	106°35'30"	7,180	424	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	3,664	5,824,056
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Achnanthydium minutissimum</i> (Kützing)	16,001	867,580
										Czarnecki		
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Achnanthydium pyrenaicum</i> (Hustedt)	314	39,645
										Kobayasi		
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Closterium lunula</i> (Möller) Nitzsch	1,201	102,115
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Cocconeis pediculus</i> Ehrenberg	314	979,371
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	627	372,844
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	1,569	1,654,349
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Diatoma moniliformis</i> Kützing	314	57,259

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Encyonema brehmii</i> (Hustedt) Mann	2,510	69,203
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Encyonema minutum</i> (Hilse) Mann	6,275	1,354,321
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Encyonema silesiacum</i> (Bleisch) Mann	67,141	31,888,198
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	10,353	2,039,754
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Gomphonema minutum</i> (Agardh) Agardh	627	51,269
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Gomphonema olivaceoides</i> Hustedt	314	47,239
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Gomphonema parvulum</i> (Kützing) Kützing	314	68,559
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Hannaea arcus</i> (Ehrenberg) Patrick	3,451	6,920,096
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	2,212,892	38,091,964
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	1,255	36,037
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Melosira varians</i> Agardh	30,433	157,279,320
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Meridion circulare</i> (Greville) Agardh	314	203,631
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Navicula incertata</i> Hustedt	1,255	74,741
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Navicula minima</i> Grunow	1,255	56,482
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Navicula tantula</i> Hustedt	1,255	68,838
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia dissipata</i> (Kützing) Grunow	3,137	808,936
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia fonticola</i> Grunow	11,608	1,154,758
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia inconspicua</i> Grunow	1,569	55,245
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Nitzschia linearis</i> (Agardh ex Wm. Smith) Wm. Smith	1,569	4,528,673
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Phormidium autumnale</i> (Agardh) Gomont	25,228	2,446,025
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	941	128,935
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	10,667	1,797,849
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Scenedesmus acutus</i> Meyen	4,805	103,239
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Stauroneis</i> sp. 1 ANS WRC	627	4,706,754
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	6,275	753,638
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	1,255	612,963
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	22,826	40,372,269
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Surirella brebissonii</i> Krammer et Lange-Bertalot	314	519,863
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	5,961	10,103,559
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	Unknown <i>alga flagellate</i> (<10µ)	3,604	346,359
59	393845106353000	Eagle River at Edwards	1	2001	8/16/2001	39°38'45"	106°35'30"	7,180	424	Unknown <i>Cyanophyte Oscillatoriales</i> (no sheath)	320,761	4,758,670
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	6,367	350,646
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	55	6,935
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Adlafia minuscula</i> var. <i>muralis</i> (Grunow) Lange-Bertalot	14	625
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Amphora pediculus</i> (Kützing) Grunow	28	2,608
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Caloneis bacillum</i> (Grunow) Cleve	28	11,857
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Chlamydomonas</i> sp.	98	8,321

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	14	8,303
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	841	880,815
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Cymbella</i> cf. <i>cymbiformis</i> var. <i>nonpunctata</i> Fontell	14	25,551
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Encyonema brehmii</i> (Hustedt) Mann	868	23,939
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Encyonema minutum</i> (Hilse) Mann	28	5,898
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Encyonema silesiacum</i> (Bleisch) Mann	165	77,868
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Fragilaria capucina</i> var. <i>mesolepta</i> Rabenhorst	28	10,282
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	41	8,553
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Gomphonema angustatum</i> (Kützing) Rabenhorst	28	11,395
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Gomphonema olivaceoides</i> var. <i>hutchinsoniana</i> Patrick	14	2,088
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Hannaea arcus</i> (Ehrenberg) Patrick	41	100,390
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	76,257	2,471,373
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Navicula incertata</i> Hustedt	96	4,988
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Navicula tripunctata</i> (Müller) Bory	41	39,119
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Nitzschia dissipata</i> (Kützing) Grunow	41	10,751
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Nitzschia inconspicua</i> Grunow	14	740
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Nitzschia vermicularis</i> (Kützing) Hantzsch ex Rabenhorst	14	63,050
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Phormidium autumnale</i> (Agardh) Gomont	55,309	5,416,327
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Placoneis elginensis</i> (Gregory) Cox	28	27,711
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	28	3,937
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	537	88,868
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Rossethidium pusillum</i> (Grunow) Round et Bukhtiyarova	41	3,753
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	41	4,966
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	14	6,731
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	28	2,654
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	Unknown <i>Cyanophyte Oscillatoriales</i> (no sheath)	13,411	217,466
62	393523106364700	West Lake Creek near Edwards	1	2000	8/15/2000	39°35'23"	106°36'47"	8,300	11	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	1,370	4,850,364
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Achnanthidium minutissimum</i> (Kützing) Czarnecki	138,251	7,613,730
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Achnanthidium pyrenaicum</i> (Hustedt) Kobayasi	27,473	3,456,353
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Amphipleura pellucida</i> (Kützing) Kützing	591	668,306

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Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Amphora pediculus</i> (Kützing) Grunow	591	55,909
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Chlamydomonas</i> sp.	869	73,902
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Closterium</i> sp.	869	73,902
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Cocconeis pediculus</i> Ehrenberg	591	2,043,768
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	1,772	1,857,083
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Cymbella affinis</i> Kützing	2,363	1,196,063
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Denticula tenuis</i> Kützing	295	112,329
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Diatoma tenuis</i> Agardh	886	99,774
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Encyonema brehmii</i> (Hustedt) Mann	1,182	32,579
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Encyonema minutum</i> (Hilse) Mann	1,772	379,274
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Encyonema silesiacum</i> (Bleisch) Mann	16,543	7,789,212
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Encyonopsis microcephala</i> (Grunow) Krammer	2,954	184,139
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Fragilaria capucina</i> Desmazières	6,499	1,214,145
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	4,431	916,628
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Frustulia vulgaris</i> (Thwaites) deToni	591	917,241
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Gomphonema angustatum</i> (Kützing) Rabenhorst	591	244,261
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	591	203,281
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Hannaea arcus</i> (Ehrenberg) Patrick	1,182	2,869,162
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	159,977	5,184,578
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Melosira varians</i> Agardh	1,182	6,415,374
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	2,068	748,402
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Navicula gregaria</i> Donkin	591	147,690
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Navicula tripunctata</i> (Müller) Bory	1,477	1,397,514
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Navicula upsaliensis</i> (Grunow) Peragallo	591	111,539
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Nitzschia dissipata</i> (Kützing) Grunow	591	153,635
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Nitzschia inconspicua</i> Grunow	1,182	63,415
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Nitzschia palea</i> (Kützing) Smith	591	102,395
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Phormidium autumnale</i> (Agardh) Gomont	123,460	12,090,365
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	2,659	439,593
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	7,090	851,518
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	1,182	577,144
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	1,182	7,747,464
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	Unknown Cyanophyte <i>Oscillatoriales</i> (no sheath)	493,841	8,007,796
63	09067200	Lake Creek near Edwards	1	2000	8/15/2000	39°38'51"	106°36'31"	7,160	49	Unknown Rhodophyte <i>Florideophycidae</i> (chantransia)	6,086	21,539,667
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	93,730	5,082,135
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	424	53,592

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Amphora pediculus</i> (Kützing) Grunow	424	41,006
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Chlamydomonas</i> sp.	625	1,237,280
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Cladophora glomerata</i> (Linnaeus) Kützing	1,875	7,372,435,079
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	1,272	1,341,817
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Diatoma vulgaris</i> Bory	212	783,541
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Encyonema brehmii</i> (Hustedt) Mann	848	23,387
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Encyonema latens</i> (Krasske) Mann	424	786,316
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Encyonema minutum</i> (Hilse) Mann	1,060	228,848
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Encyonema silesiacum</i> (Bleisch) Mann	20,146	9,568,076
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Eucocconeis laevis</i> (Østrup) Lange-Bertalot	424	633,209
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	2,969	584,893
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	727,642	12,525,388
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	2,545	675,930
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Navicula tripunctata</i> (Müller) Bory	2,333	2,121,160
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Nitzschia dissipata</i> (Kützing) Grunow	424	109,353
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Nitzschia fonticola</i> Grunow	848	84,379
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Nitzschia palea</i> var. <i>debilis</i> (Kützing) Grunow	424	73,867
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Nitzschia paleaeformis</i> Hustedt	424	75,921
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Oscillatoria</i> sp.	8,752	1,137,814
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Phormidium autumnale</i> (Agardh) Gomont	30,631	2,969,834
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	1,484	250,183
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Scenedesmus ecornis</i> (Ralfs) Chodat	2,500	58,221
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	1,060	127,347
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	424	40,956
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	11,877	21,007,657
63	09067200	Lake Creek near Edwards	1	2001	8/15/2001	39°38'51"	106°36'31"	7,160	49	Unknown alga flagellate (<10µ)	1,250	120,152
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	9,701	534,261
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Amphora pediculus</i> (Kützing) Grunow	21,976	2,079,596
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Amphora submontana</i> Hustedt	198	52,964
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Chamaepinnularia bremensis</i> (Hustedt) Lange-Bertalot	198	4,633
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Chlamydomonas</i> sp.	2,224	189,021
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Cladophora glomerata</i> (Linnaeus) Kützing	4,448	24,143,551,235
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Cocconeis pediculus</i> Ehrenberg	10,691	36,982,943
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	13,463	8,110,655

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	792	829,748
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Gomphonema minutum</i> (Agardh) Agardh	792	137,369
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	7,127	2,452,310
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Hippodonta capitata</i> (Ehrenberg) Lange-Bertalot, Metzeltin et Witkowski	396	313,457
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	157,888	5,116,884
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	396	10,342
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Melosira varians</i> Agardh	1,386	7,524,300
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Navicula canalis</i> Patrick	396	2,970,141
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Navicula capitatoradiata</i> Germain	1,980	737,310
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	13,265	4,800,845
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Navicula gregaria</i> Donkin	2,178	544,404
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Navicula lanceolata</i> (Agardh) Ehrenberg	594	746,641
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Navicula tripunctata</i> (Müller) Bory	13,265	12,550,677
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Navicula upsaliensis</i> (Grunow) Peragallo	198	37,377
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Nitzschia capitellata</i> Hustedt	792	331,143
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Nitzschia dissipata</i> (Kützing) Grunow	7,523	1,956,367
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Nitzschia dissipata</i> var. <i>media</i> (Hantzsch) Grunow	2,178	1,050,473
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Nitzschia flexoides</i> Geitler	396	4,638,345
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Nitzschia fonticola</i> Grunow	396	39,321
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Nitzschia inconspicua</i> Grunow	792	42,501
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Nitzschia linearis</i> (Agardh ex Wm. Smith) Wm. Smith	1,188	3,072,254
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Nitzschia palea</i> (Kützing) Smith	5,148	892,130
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Nitzschia recta</i> Hantzsch ex Rabenhorst	594	1,030,688

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66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Phormidium autumnale</i> (Agardh) Gomont	849,481	83,189,029
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	1,584	226,242
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	396	65,470
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Sellaphora hustedtii</i> (Krasske) Lange-Bertalot	594	77,207
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Sellaphora pupula</i> (Kützing) Mereschkowsky	1,980	1,259,648
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Surirella minuta</i> Brébisson	1,584	1,495,077
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	396	2,596,185
66	393930106382001	Squaw Creek at mouth near Edwards	1	2000	8/15/2000	39°39'30"	106°38'20"	7,120	17.4	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	13,343	47,221,941
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Achnanthydium minutissimum</i> (Kützing) Czarniecki	15,911	876,243
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	936	117,750
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Amphora pediculus</i> (Kützing) Grunow	749	70,854
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Aulacoseira distans</i> (Ehrenberg) Simonsen	562	224,371
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Caloneis bacillum</i> (Grunow) Cleve	1,497	644,173
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	1,123	676,622
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	187	196,125
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Cyclotella meneghiniana</i> Kützing	374	285,582
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Cymbella affinis</i> Kützing	749	378,947
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Denticula tenuis</i> Kützing	374	142,356
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Encyonema brehmii</i> (Hustedt) Mann	562	15,483
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Encyonema minutum</i> (Hilse) Mann	1,872	400,550
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Encyonema silesiacum</i> (Bleisch) Mann	52,600	24,766,569
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Encyonopsis microcephala</i> (Grunow) Krammer	374	23,336
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	374	38,358

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	2,059	425,940
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Geissleria acceptata</i> (Hustedt) Lange-Bertalot et Metzeltin	374	38,430
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Gomphonema olivaceoides</i> Hustedt	1,685	257,717
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Hannaea arcus</i> (Ehrenberg) Patrick	562	1,363,548
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	294,472	9,543,331
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	749	19,556
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Melosira varians</i> Agardh	3,744	20,325,722
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Navicula gregaria</i> Donkin	4,305	1,076,228
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Navicula incertata</i> Hustedt	187	9,678
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Navicula minima</i> Grunow	1,497	79,533
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Navicula tripunctata</i> (Müller) Bory	374	354,218
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Navicula veneta</i> Kützing	374	81,179
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Nitzschia capitellata</i> Hustedt	2,059	516,222
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Nitzschia dissipata</i> (Kützing) Grunow	936	243,380
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Nitzschia fonticola</i> Grunow	13,290	1,319,770
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Nitzschia inconspicua</i> Grunow	1,497	54,147
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Nitzschia linearis</i> (Agardh ex Wm. Smith) Wm. Smith	374	968,242
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Nitzschia palea</i> (Kützing) Smith	749	129,766
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	3,369	103,225
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Phormidium autumnale</i> (Agardh) Gomont	14,097	1,380,512
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Planothidium lanceolatum</i> (Brébisson) ex Kützing) Lange-Bertalot	187	26,738
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Psammothidium subatomoides</i> (Hustedt) Bukhtiyarova et Round	562	838,411
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	5,241	866,602

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Rhoicosphenia abbreviata</i> (Agardh) Lange-Bertalot	187	99,685
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Scenedesmus acutus</i> Meyen	4,177	379,316
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Scenedesmus quadricauda</i> (Turpin) Brébisson	2,088	238,721
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	1,310	157,375
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Staurosirella leptostauron</i> (Ehrenberg) Williams et Round	187	91,428
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	749	72,087
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Surirella angusta</i> Kützing	374	424,052
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	<i>Synedra ulna</i> (Nitzsch) Ehrenberg	1,123	7,363,848
67	394129106393300	Eagle River at Eagle Springs Golf Course near Wolcott	1	2000	8/18/2000	39°41'29"	106°39'33"	6,980	517	Unknown <i>Cyanophyte Oscillatoriales</i> (no sheath)	74,140	1,202,204
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	5,585	307,588
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Achnanthydium pyrenaicum</i> (Hustedt) Kobayasi	346	43,528
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Amphora pediculus</i> (Kützing) Grunow	247	23,386
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Amphora veneta</i> Kützing	99	56,300
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Caloneis bacillum</i> (Grunow) Cleve	198	85,047
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Chlamydomonas</i> sp.	142	12,062
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	1,582	952,863
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	49	51,787
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Cymbella affinis</i> Kützing	99	50,030
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Encyonema brehmii</i> (Hustedt) Mann	890	24,530
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Encyonema minutum</i> (Hilse) Mann	1,928	412,483
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Encyonema silesiacum</i> (Bleisch) Mann	7,315	3,444,347
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	247	51,122
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	99	34,012

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Hannaea arcus</i> (Ehrenberg) Patrick	247	600,074
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	80,601	2,612,130
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	6,129	160,073
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Navicula gregaria</i> Donkin	445	111,200
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Navicula minima</i> Grunow	643	34,126
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Navicula tripunctata</i> (Müller) Bory	99	93,531
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Nitzschia fonticola</i> Grunow	692	68,715
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Nitzschia inconspicua</i> Grunow	890	32,170
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Nitzschia palea</i> (Kützing) Smith	198	34,265
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	1,483	60,928
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Phormidium autumnale</i> (Agardh) Gomont	8,798	861,576
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	247	35,301
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	5,140	849,925
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Rhoicosphenia abbreviata</i> (Agardh) Lange-Bertalot	198	105,287
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2000	8/15/2000	39°42'18"	106°43'33"	6,820	600	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	99	11,873
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Achnanthydium minutissimum</i> (Kützing) Czarniecki	6,289	340,975
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Adlafia minuscula</i> (Grunow) Lange-Bertalot	359	29,898
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Amphora pediculus</i> (Kützing) Grunow	449	43,430
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	1,617	960,848
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	6,019	6,347,709
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Cymbella affinis</i> Kützing	90	45,723
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Diatoma moniliformis</i> Kützing	359	65,583
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Encyonema brehmii</i> (Hustedt) Mann	1,797	49,539

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

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68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Encyonema minutum</i> (Hilse) Mann	4,133	891,938
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Encyonema silesiacum</i> (Bleisch) Mann	11,589	5,504,159
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Fragilaria capucina</i> var. <i>fragilarioides</i> (Grunow) Ludwig et Flores	539	66,273
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	359	70,796
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Gomphonema minutum</i> (Agardh) Agardh	180	14,680
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Gomphonema parvulum</i> (Kützing) Kützing	90	19,631
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	423,557	7,290,964
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	719	20,638
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Melosira varians</i> Agardh	1,168	6,035,709
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Microcystis</i> sp.	46,311	1,157,787
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Navicula gregaria</i> Donkin	1,168	293,095
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Navicula minima</i> Grunow	719	32,346
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Navicula tripunctata</i> (Müller) Bory	90	81,692
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Navicula upsaliensis</i> (Grunow) Peragallo	180	33,921
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Nitzschia archibaldii</i> Lange-Bertalot	3,054	133,352
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Nitzschia dissipata</i> (Kützing) Grunow	539	138,979
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Nitzschia fonticola</i> Grunow	2,695	268,099
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Nitzschia inconspicua</i> Grunow	898	31,638
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	2,515	131,177
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Planothidium dubium</i> (Grunow) Round et Bukhtiyarova	270	21,685
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	270	36,919
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	3,593	605,647
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Rhoicosphenia abbreviata</i> (Agardh) Lange-Bertalot	1,168	604,370

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	359	43,160
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	<i>Surirella brebissonii</i> Krammer et Lange-Bertalot	1,078	1,786,303
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	Unknown <i>alga flagellate</i> (<10µ)	2,573	247,258
68	394220106431500	Eagle River below Milk Creek near Wolcott	1	2001	8/15/2001	39°42'18"	106°43'33"	6,820	600	Unknown <i>Cyanophyte</i> (colonial coccoid)	50,171	1,254,269
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	56,687	3,121,847
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Amphora pediculus</i> (Kützing) Grunow	1,854	175,467
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Caloneis bacillum</i> (Grunow) Cleve	1,060	455,790
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Chlamydomonas</i> sp.	792	67,359
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	6,093	3,670,414
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	795	832,621
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Encyonema brehmii</i> (Hustedt) Mann	1,589	43,821
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Encyonema minutum</i> (Hilse) Mann	8,477	1,813,838
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Encyonema silesiacum</i> (Bleisch) Mann	54,833	25,817,970
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	265	54,796
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	795	273,423
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Gomphonema parvulum</i> (Kützing) Kützing	4,768	1,064,961
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	3,341,794	108,301,997
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	13,245	345,918
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Melosira varians</i> Agardh	265	1,438,163
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	530	191,740
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula gregaria</i> Donkin	1,060	264,867
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula minima</i> Grunow	1,060	56,274
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula veneta</i> Kützing	1,589	344,634

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia fonticola</i> Grunow	2,119	210,437
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia inconspicua</i> Grunow	5,033	270,104
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia palea</i> (Kützing) Smith	2,119	367,269
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	6,093	250,340
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Phormidium autumnale</i> (Agardh) Gomont	66,566	6,518,800
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Reimeria sinuata</i> (Gregory)	18,278	3,022,060
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	Kociolek et Stoermer <i>Rhoicosphenia abbreviata</i> (Agardh)	530	282,131
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	Lange-Bertalot <i>Staurosira construens</i> Ehrenberg	265	51,263
69	393852106503200	Eagle River above Brush Creek at Eagle	1	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	5,547	8,233,592
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Achnanthydium minutissimum</i> (Kützing)	45,658	2,514,467
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	Czarnecki <i>Achnanthydium pyrenaicum</i> (Hustedt)	99	12,515
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	Kobayasi <i>Adlafia minuscula</i> (Grunow) Lange-Bertalot	199	10,209
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Amphora pediculus</i> (Kützing) Grunow	1,592	150,609
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Closterium lunula</i> (Möller) Nitzsch	785	66,764
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Closterium</i> sp.	393	33,382
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Cocconeis pediculus</i> Ehrenberg	199	688,198
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	9,947	5,992,700
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	1,492	1,563,338
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Cryptomonas ovata</i> Ehrenberg	393	3,927
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Cymbella affinis</i> Kützing	298	151,031
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Diadesmis contenta</i> (Grunow ex Van Heurck) Mann	199	10,292
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Encyonema silesiacum</i> (Bleisch) Mann	2,288	1,077,246
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Gomphonema minutum</i> (Agardh) Agardh	2,288	396,855

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	333,427	10,805,812
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Melosira varians</i> Agardh	398	2,160,248
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Meridion circulare</i> (Greville) Agardh	199	129,124
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula cryptocephala</i> Kützting	199	75,373
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	1,592	576,021
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula incertata</i> Hustedt	99	5,143
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula minima</i> Grunow	398	21,132
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula tripunctata</i> (Müller) Bory	1,890	1,788,222
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Navicula veneta</i> Kützting	199	43,139
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia</i> cf. <i>tubicola</i> Grunow ex Cleve et Grunow	199	48,692
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia dissipata</i> (Kützting) Grunow	5,570	1,448,539
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia inconspicua</i> Grunow	199	10,677
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia linearis</i> (Agardh ex Wm. Smith) Wm. Smith	398	1,029,062
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia palea</i> (Kützting) Smith	99	17,240
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	199	8,175
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Nitzschia sublinearis</i> Hustedt	398	1,041,536
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Phormidium autumnale</i> (Agardh) Gomont	55,768	5,461,269
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Planothidium dubium</i> (Grunow) Round et Bukhtiyarova	199	16,102
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Planothidium lanceolatum</i> (Brébisson ex Kützting) Lange-Bertalot	298	42,626
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	5,670	937,485
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Staurosira construens</i> var. <i>venter</i> (Ehrenberg) Hamilton	199	23,894
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	<i>Synedra ulna</i> var. <i>contracta</i> Østrup	597	948,815
69	393852106503200	Eagle River above Brush Creek at Eagle	2	2000	8/14/2000	39°38'52"	106°50'32"	6,500	646	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	5,498	19,459,116

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	44,275	2,438,326
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Amphora pediculus</i> (Kützing) Grunow	35,974	3,404,187
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Caloneis bacillum</i> (Grunow) Cleve	1,384	595,180
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Chlamydomonas</i> sp.	3,002	255,152
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Cocconeis pediculus</i> Ehrenberg	3,459	11,965,525
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	6,918	4,167,744
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Cyclotella meneghiniana</i> Kützing	692	527,725
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Cymbella affinis</i> Kützing	8,993	4,551,635
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Diatoma vulgaris</i> Bory	4,151	15,336,915
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Diploneis puella</i> (Schumann) Cleve	692	226,557
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Encyonema silesiacum</i> (Bleisch) Mann	28,364	13,355,173
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Gomphonema minutum</i> (Agardh) Agardh	2,767	480,001
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	4,843	1,666,192
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	1,080,643	35,021,831
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Luticola nivalis</i> (Ehrenberg) Mann	1,384	1,989,587
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	4,151	108,410
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Merismopedia glauca</i> (Ehrenberg) Kützing	48,029	2,608,521
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Navicula capitatoradiata</i> Germain	24,213	9,017,210
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	96,160	34,802,601
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Navicula gregaria</i> Donkin	12,452	3,112,827
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Navicula minima</i> Grunow	1,384	73,484
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Navicula tripunctata</i> (Müller) Bory	57,420	54,328,094
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Navicula veneta</i> Kützing	51,885	11,250,755

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia capitellata</i> Hustedt	2,767	693,761
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia dissipata</i> (Kützing) Grunow	69,180	17,989,570
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia dissipata</i> var. <i>media</i> (Hantzsch) Grunow	4,151	2,002,154
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia inconspicua</i> Grunow	8,302	300,175
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia palea</i> (Kützing) Smith	11,069	1,918,354
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia paleacea</i> Grunow ex Van Heurck	3,459	142,130
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Phormidium autumnale</i> (Agardh) Gomont	732,436	71,726,832
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Pinnularia obscura</i> Krasske	692	241,414
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	4,151	686,308
71	393851106503400	Brush Creek at mouth near Eagle	1	2000	8/14/2000	39°38'51"	106°50'34"	6,500	147	<i>Rhoicosphenia abbreviata</i> (Agardh) Lange-Bertalot	26,980	14,368,080
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Achnanthes minutissimum</i> (Kützing) Czarnecki	294,214	15,952,551
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Amphora pediculus</i> (Kützing) Grunow	493,241	47,689,554
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Cocconeis pediculus</i> Ehrenberg	56,247	175,579,104
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Cymbella affinis</i> Kützing	82,207	41,839,195
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Diatoma moniliformis</i> Kützing	17,307	3,158,545
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Encyonema brehmii</i> (Hustedt) Mann	47,593	1,312,221
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Encyonema silesiacum</i> (Bleisch) Mann	12,980	6,164,808
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Epithemia sorex</i> Kützing	4,327	7,467,664
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	8,653	3,279,090
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	8,653	1,888,582
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	2,239,161	38,544,157
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Lyngbya</i> sp.	702,482	97,460,467
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	8,653	248,484

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Navicula capitatoradiata</i> Germain	60,573	22,650,664
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	467,281	124,119,976
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Navicula gregaria</i> Donkin	43,267	10,858,292
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Navicula lanceolata</i> (Agardh) Ehrenberg	8,653	10,918,696
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Navicula minima</i> Grunow	17,307	778,918
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Navicula tripunctata</i> (Müller) Bory	393,728	358,029,992
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Navicula veneta</i> Kützing	103,840	22,926,064
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia dissipata</i> (Kützing) Grunow	194,700	50,200,587
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia inconspicua</i> Grunow	112,494	6,075,302
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia palea</i> var. <i>debilis</i> (Kützing) Grunow	17,307	3,014,223
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia recta</i> Hantzsch ex Rabenhorst	4,327	6,586,628
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia sigmoidea</i> (Nitzsch) Ehrenberg	12,980	34,030,513
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Nitzschia sublinearis</i> Hustedt	34,613	90,605,657
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Phormidium autumnale</i> (Agardh) Gomont	31,545,833	3,058,531,683
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Planothidium lanceolatum</i> (Brébisson ex Kützing) Lange-Bertalot	8,653	1,185,388
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	25,960	4,375,298
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Rhoicosphenia abbreviata</i> (Agardh) Lange-Bertalot	103,840	53,736,276
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round	8,653	835,638
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	<i>Surirella minuta</i> Brébisson	25,960	22,920,851
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	Unknown alga flagellate (<10µ)	812,245	78,058,729
71	393851106503400	Brush Creek at mouth near Eagle	1	2001	8/15/2001	39°38'51"	106°50'34"	6,500	147	Unknown Cyanophyte <i>Oscillatoriales</i> (no sheath)	373,194	5,536,533
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	141,151	7,773,449
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Amphora pediculus</i> (Kützing) Grunow	7,208	682,065
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	601	361,855
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	5,406	5,663,915

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Cyclotella meneghiniana</i> Kützing	1,201	916,371
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Cymbella affinis</i> Kützing	12,613	6,383,773
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Encyonema minutum</i> (Hilse) Mann	21,022	4,498,467
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Encyonema silesiacum</i> (Bleisch) Mann	137,547	64,764,236
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Gomphonema parvulum</i> (Kützing) Kützing	5,406	1,207,402
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	11,952,927	387,374,469
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Navicula minima</i> Grunow	1,201	63,801
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Nitzschia fonticola</i> Grunow	10,812	1,073,625
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Nitzschia inconspicua</i> Grunow	4,204	225,643
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Nitzschia palea</i> (Kützing) Smith	4,805	832,785
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Phormidium autumnale</i> (Agardh) Gomont	1,204,484	117,954,185
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	32,435	5,362,852
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Rhoicosphenia abbreviata</i> (Agardh) Lange-Bertalot	1,201	639,732
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Scenedesmus acutus</i> Meyen	107,235	9,738,362
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	<i>Stigeoclonium lubricum</i> (Dillwyn) Kützing	28,724	42,634,084
72	09069000	Eagle River at Gypsum	1	2000	8/14/2000	39°39'00"	106°57'06"	6,276	842	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	13,404	47,440,651
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Achnanthidium minutissimum</i> (Kützing) Czarnecki	27,672	1,500,385
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Amphora pediculus</i> (Kützing) Grunow	5,051	488,379
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Caloneis bacillum</i> (Grunow) Cleve	1,318	566,831
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Cocconeis pediculus</i> Ehrenberg	220	685,552
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	1,757	1,043,951
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	12,079	12,738,342
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Cymbella affinis</i> Kützing	1,757	894,192
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Encyonema brehmi</i> (Hustedt) Mann	3,514	96,882
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Encyonema minutum</i> (Hilse) Mann	12,079	2,607,038
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Encyonema silesiacum</i> (Bleisch) Mann	7,247	3,442,098
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	220	83,221
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Gomphonema parvulum</i> (Kützing) Kützing	36,676	8,014,504
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	439	95,862
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	3,852,646	66,318,133
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Mayamaea atomus</i> (Kützing) Lange-Bertalot	2,635	75,676
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Navicula capitatoradiata</i> Germain	439	164,246
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	2,416	641,685
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Navicula gregaria</i> Donkin	439	110,231
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Navicula lanceolata</i> (Agardh) Ehrenberg	878	1,108,439
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Navicula minima</i> Grunow	3,514	158,148

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Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Navicula tripunctata</i> (Müller) Bory	878	798,820
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Navicula veneta</i> Kützing	878	193,950
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Nitzschia</i> cf. <i>tubicola</i> Grunow ex Cleve et Grunow	439	143,337
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Nitzschia fonticola</i> Grunow	2,635	262,158
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Nitzschia inconspicua</i> Grunow	14,934	525,926
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Nitzschia palea</i> var. <i>debilis</i> (Kützing) Grunow	1,977	344,246
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Phormidium autumnale</i> (Agardh) Gomont	256,530	24,871,934
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Reimeria sinuata</i> (Gregory)	9,224	1,554,593
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	Kociolek et Stoermer		
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Rhoicosphenia abbreviata</i> (Agardh) Lange-Bertalot	1,977	1,022,845
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	<i>Scenedesmus ecornis</i> (Ralfs) Chodat	15,642	364,209
72	09069000	Eagle River at Gypsum	1	2001	8/15/2001	39°39'00"	106°57'06"	6,276	842	Unknown alga flagellate (<10µ)	18,771	1,803,892
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Achnanthydium minutissimum</i> (Kützing) Czarnecki	637,905	35,130,631
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Amphora pediculus</i> (Kützing) Grunow	41,244	3,902,901
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Cocconeis pediculus</i> Ehrenberg	19,247	66,580,334
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Cocconeis placentula</i> var. <i>euglypta</i> (Ehrenberg) Grunow	4,124	2,484,726
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Cymbella affinis</i> Kützing	10,998	5,566,346
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Diatoma vulgare</i> Bory	2,750	10,159,514
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Encyonema silesiacum</i> (Bleisch) Mann	63,241	29,776,914
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Encyonopsis microcephala</i> (Grunow) Krammer	9,624	599,875
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Fragilaria vaucheriae</i> (Kützing) Petersen	4,124	853,177
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Geissleria acceptata</i> (Hustedt) Lange-Bertalot et Metzeltin	2,750	282,248
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Gomphonema olivaceum</i> (Lyngbye) Kützing	4,124	1,419,072
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Gomphonema parvulum</i> (Kützing) Kützing	5,499	1,228,263
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	5,499	1,604,562
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Hantzschia amphioxys</i> (Ehrenberg) Grunow	5,499	5,745,250
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	1,083,727	35,121,800
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Navicula capitatoradiata</i> Germain	2,750	1,023,977
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	75,614	27,366,281
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Navicula minima</i> Grunow	2,750	146,033
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Navicula tripunctata</i> (Müller) Bory	19,247	18,210,866
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Navicula veneta</i> Kützing	23,372	5,067,871
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Nitzschia dissipata</i> (Kützing) Grunow	30,246	7,865,017
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Phormidium autumnale</i> (Agardh) Gomont	2,279,015	223,182,106
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Planothidium dubium</i> (Grunow) Round et Bukhtiyarova	4,124	333,816
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	<i>Reimeria sinuata</i> (Gregory) Kociolek et Stoermer	2,750	454,626
73	393858106570900	Gypsum Creek at mouth	1	2000	8/14/2000	39°38'58"	106°57'09"	6,280	103	Unknown <i>Rhodophyte Florideophycidae</i> (chantransia)	159,372	564,044,309

Table 2. Description of sites and algal data collected from selected sites the Eagle River watershed, Colorado, 2000–2001.—Continued[ID, identification; NAVD, North American Vertical Datum of 1988; ft, feet; mi², square miles; cells/cm², cells per square centimeter; µm³/cm², cubic micrometer per square centimeter]

Site ID ¹	USGS station number	Station name	Replicate sample number	Year	Collection date	Latitude	Longitude	Elevation NAVD 88 (ft)	Drainage area (mi ²)	Algal taxon name	Total density (number of cells/cm ²)	Total biovolume (µm ³ /cm ²)
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Achnanthes minutissimum</i> (Kützinger) Czamecki	561,019	30,418,942
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Amphora pediculus</i> (Kützinger) Grunow	51,900	5,018,047
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Caloneis bacillum</i> (Grunow) Cleve	7,414	3,189,403
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Chlamydomonas</i> sp.	6,169	12,209,837
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Cocconeis pediculus</i> Ehrenberg	6,179	19,287,082
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Cocconeis placentula</i> var. <i>lineata</i> (Ehrenberg) Van Heurck	1,236	1,303,186
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Cyclotella meneghiniana</i> Kützinger	12,357	8,873,202
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Cyclotella striata</i> (Kützinger) Grunow	1,236	617,862
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Cymbella affinis</i> Kützinger	9,886	5,031,376
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Encyonema brehmii</i> (Hustedt) Mann	3,707	102,212
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Encyonema silesiacum</i> (Bleisch) Mann	13,593	6,455,919
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Encyonopsis cesatii</i> (Rabenhorst) Krammer	2,471	4,582,064
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Encyonopsis microcephala</i> (Grunow) Krammer	8,650	550,531
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Fragilaria vaucheriae</i> (Kützinger) Petersen	2,471	486,904
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Geissleria acceptata</i> (Hustedt) Lange-Bertalot et Metzeltin	2,471	253,697
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Gomphonema angustatum</i> (Kützinger) Rabenhorst	1,236	487,768
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Gomphonema minutum</i> (Agardh) Agardh	2,471	201,930
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Gomphonema pumilum</i> (Grunow) Reichardt et Lange-Bertalot	4,943	1,078,780
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Homoeothrix janthina</i> (Bornet et Flahault) Starmach	1,313,973	22,618,289
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Lyngbya</i> sp.	2,263,982	314,098,839
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Mayamaea atomus</i> (Kützinger) Lange-Bertalot	2,471	70,969
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Navicula cryptotenella</i> Lange-Bertalot ex Krammer et Lange-Bertalot	45,722	12,144,697
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Navicula minima</i> Grunow	4,943	222,464
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Navicula stroemii</i> Hustedt	4,943	897,236
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Navicula tripunctata</i> (Müller) Bory	17,300	15,731,607
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Navicula veneta</i> Kützinger	9,886	2,182,606
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Nitzschia dissipata</i> (Kützinger) Grunow	4,943	1,274,452
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	<i>Phormidium autumnale</i> (Agardh) Gomont	7,007,858	679,448,126
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	Unknown alga flagellate (<10µ)	104,871	10,078,373
73	393858106570900	Gypsum Creek at mouth	1	2001	8/15/2001	39°38'58"	106°57'09"	6,280	103	Unknown Rhodophyte <i>Florideophycidae</i> (chantransia)	111,040	710,710,100

¹See figure 1.

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