

Table 8. Listing of all algae species found in 43 samples collected from the Columbia and Willamette Rivers, May 2004–April 2005

Rank	Algae species name	Code	Average percent density	Number of samples with detections	Rank	Algae species name	Code	Average percent density	Number of samples with detections	Rank	Algae species name	Code	Average percent density	Number of samples with detections
1	<i>Stephanodiscus hantzschii</i>	STHN	27	43	46	<i>Navicula gregaria</i>	NVGR	0.3	10	91	<i>Navicula meniscus upsaliensis</i>	NVMU	0.1	2
2	<i>Rhodomonas minuta</i>	RDMN	11	39	47	<i>Gomphonema ventricosum</i>	GFVT	0.3	9	92	<i>Golenkinia paucispina</i>	GKPC	0.1	2
3	<i>Asterionella formosa</i>	ASFO	8.1	24	48	<i>Cymbella affinis</i>	CMAF	0.2	7	93	<i>Navicula radiosa</i>	NVRD	0.1	1
4	<i>Stephanodiscus binderanus</i>	STBN	4.0	16	49	<i>Melosira distans alpigena</i>	MLDA	0.2	10	94	<i>Trachelomonas volvocina</i>	TRVL	0.0	2
5	<i>Achnanthes minutissima</i>	ACMN	3.6	28	50	<i>Kephyrion</i> sp.	KFXX	0.2	7	95	<i>Nitzschia hungarica</i>	NZHG	0.0	2
6	<i>Cryptomonas erosa</i>	CXER	3.6	34	51	<i>Scenedesmus quadricauda</i>	SCQD	0.2	8	96	<i>Nitzschia communis</i>	NZCM	0.0	2
7	<i>Cymbella minuta</i>	CMMN	2.7	26	52	<i>Nitzschia acicularis</i>	NZAC	0.2	8	97	<i>Synedra fasciculata truncata</i>	SNFT	0.0	2
8	<i>Cyclotella pseudostelligera</i>	CCPS	2.7	19	53	<i>Navicula</i> sp.	NVXX	0.2	8	98	<i>Caloneis ventricosa minuta</i>	CAVM	0.0	2
9	<i>Stephanodiscus astraea minutula</i>	STAM	2.5	28	54	<i>Navicula capitata</i>	NVCP	0.2	6	99	<i>Cyclotella</i> sp.	CCXX	0.0	2
10	<i>Achnanthes linearis</i>	ACLN	2.1	24	55	<i>Nitzschia</i> sp.	NZXX	0.2	8	100	<i>Coscinodiscus</i> sp.	KSXX	0.0	1
11	<i>Cyclotella atomus</i>	CCAT	1.3	24	56	<i>Fragilaria pinnata</i>	FRPN	0.2	6	101	<i>Scenedesmus abundans</i>	SCAB	0.0	2
12	<i>Ankistrodesmus falcatus</i>	AKFL	1.2	25	57	<i>Gomphonema clevei</i>	GFCL	0.2	6	102	<i>Microcystis aeruginosa</i>	MSAE	0.0	1
13	<i>Cocconeis placentula</i>	COPC	1.2	21	58	<i>Gomphonema olivaceum</i>	GFOM	0.2	6	103	<i>Achnanthes clevei</i>	ACCV	0.0	1
14	<i>Gomphonema angustatum</i>	GFAN	1.1	20	59	<i>Nitzschia fonticola</i>	NZFT	0.2	4	104	<i>Navicula anglica</i>	NVAG	0.0	2
15	<i>Melosira granulata</i>	MLGR	1.0	15	60	<i>Chodatella wratislawiensis</i>	CDWR	0.2	5	105	<i>Nitzschia capitellata</i>	NZCP	0.0	1
16	<i>Rhoicosphenia curvata</i>	RHCU	0.9	18	61	<i>Glenodinium</i> sp.	GDXX	0.2	8	106	<i>Tabellaria fenestrata</i>	TBFN	0.0	1
17	<i>Navicula cryptocephala veneta</i>	NVCV	0.9	17	62	<i>Navicula decussis</i>	NVDC	0.2	5	107	<i>Gomphonema gracile</i>	GFGC	0.0	1
18	<i>Aphanizomenon flos-aquae</i>	APFA	0.9	5	63	<i>Synedra mazamaensis</i>	SNMZ	0.2	5	108	<i>Anabaena flos-aquae</i>	ABFA	0.0	1
19	<i>Cyclotella stelligera</i>	CCST	0.9	18	64	<i>Oscillatoria</i> sp.	OSXX	0.2	2	109	<i>Surirella linearis</i>	SULN	0.0	1
20	<i>Chlamydomonas</i> sp.	CHXX	0.9	17	65	<i>Gomphonema tenellum</i>	GFTN	0.1	4	110	<i>Bacillaria paradoxa</i>	BAPA	0.0	1
21	<i>Achnanthes hauckiana</i>	ACHK	0.9	15	66	<i>Navicula minima</i>	NVMN	0.1	6	111	<i>Pinnularia</i> sp.	PLXX	0.0	1
22	<i>Cyclotella meneghiniana</i>	CCMG	0.9	17	67	<i>Fragilaria capucina mesolepta</i>	FRCM	0.1	4	112	<i>Euglena</i> sp.	EGXX	0.0	1
23	<i>Achnanthes lanceolata</i>	ACLC	0.8	21	68	<i>Nitzschia innominata</i>	NZIN	0.1	4	113	<i>Synedra socia</i>	SNSC	0.0	1
24	<i>Cymbella sinuata</i>	CMSN	0.8	15	69	<i>Sphaerocystis Schroeteri</i>	SFSR	0.1	6	114	<i>Nitzschia linearis</i>	NZLN	0.0	1
25	<i>Nitzschia frustulum</i>	NZFR	0.8	17	70	<i>Nitzschia amphibia</i>	NZAM	0.1	4	115	<i>Navicula pupula</i>	NVPP	0.0	1
26	<i>Chrysococcus rufescens</i>	CYRF	0.7	11	71	<i>Navicula tripunctata</i>	NVTP	0.1	4	116	<i>Achnanthes prava</i>	ACPV	0.0	1
27	<i>Nitzschia dissipata</i>	NZDS	0.7	10	72	<i>Synedra rumpens</i>	SNRM	0.1	4	117	<i>Unidentified flagellate</i>	MXFG	0.0	1
28	<i>Nitzschia paleacea</i>	NZPC	0.7	14	73	<i>Synedra delicatissima</i>	SNDL	0.1	5	118	<i>Ulothrix</i> sp.	ULXX	0.0	1
29	<i>Melosira ambigua</i>	MLAM	0.7	19	74	<i>Amphora ovalis</i>	AFOV	0.1	4	119	<i>Scenedesmus denticulatus</i>	SCDT	0.0	1
30	<i>Synedra radians</i>	SNRD	0.7	13	75	<i>Epithemia sorex</i>	EPSX	0.1	4	120	<i>Achnanthes exigua</i>	ACEX	0.0	1
31	<i>Fragilaria construens venter</i>	FRCV	0.7	21	76	<i>Amphora perpusilla</i>	AFPR	0.1	4	121	<i>Cyclotella kutzigiana</i>	CCKT	0.0	1
32	<i>Melosira granulata angustissima</i>	MLGA	0.7	15	77	<i>Nitzschia fruticosa</i>	NZFU	0.1	3	122	<i>Tetraedron minimum</i>	TEMN	0.0	1
33	<i>Melosira italica</i>	MLIT	0.5	14	78	<i>Diploneis elliptica</i>	DPEL	0.1	2	123	<i>Navicula reinhartii</i>	NVRN	0.0	1
34	<i>Fragilaria crotonensis</i>	FRCR	0.5	10	79	<i>Navicula cascadiensis</i>	NVCS	0.1	3	124	<i>Gloeocystis ampla</i>	GLAM	0.0	1
35	<i>Fragilaria vaucheria</i>	FRVA	0.5	12	80	<i>Nitzschia volcanica</i>	NZVL	0.1	3	125	<i>Cyclotella comta</i>	CCCM	0.0	1
36	<i>Gomphonema subclavatum</i>	GFSB	0.5	9	81	<i>Navicula mutica</i>	NVMT	0.1	3	126	<i>Nitzschia microcephala</i>	NZMC	0.0	1
37	<i>Synedra ulna</i>	SNUL	0.4	14	82	<i>Achnanthes lewisiana</i>	ACLW	0.1	2	127	<i>Amphora coffeiformes</i>	AFCF	0.0	1
38	<i>Diatoma vulgare</i>	DTVL	0.4	13	83	<i>Tetrastrum staurogeniaforme</i>	TTST	0.1	3	128	<i>Meridion circulare</i>	MRCR	0.0	1
39	<i>Navicula cryptocephala</i>	NVCR	0.4	13	84	<i>Cyclotella ocellata</i>	CCOC	0.1	4	129	<i>Oocystis pusilla</i>	OCPU	0.0	1
40	<i>Diatoma tenue elongatum</i>	DTTE	0.4	5	85	<i>Gomphonema</i> sp.	GFXX	0.1	2	130	<i>Anabaena circinalis</i>	ABCR	0.0	1
41	<i>Selenastrum minutum</i>	SLMN	0.4	11	86	<i>Scenedesmus acuminatus</i>	SCAC	0.1	3	131	<i>Diatoma hiemale mesodon</i>	DTHM	0.0	1
42	<i>Melosira varians</i>	MLVR	0.3	11	87	<i>Cocconeis pediculus</i>	COPD	0.1	3	132	<i>Dinobryon</i> sp.	DBXX	0.0	1
43	<i>Nitzschia palea</i>	NZPL	0.3	10	88	<i>Cryptomonas</i> sp.	CXXX	0.1	1	133	<i>Oocystis</i> sp.	OCXX	0.0	1
44	<i>Fragilaria construens</i>	FRCN	0.3	11	89	<i>Cocconeis disculus</i>	CODS	0.1	2	134	<i>Crucigenia quadrata</i>	CGQD	0.0	1
45	<i>Hannaea arcus</i>	HNAR	0.3	11	90	<i>Synedra parasitica</i>	SNPR	0.1	2					