

11.2 分析結果表

■分析結果表（付着藻類）

生物分析結果（球磨川）

種類：付着藻類			下流流水区間				取水区間				流水回復区間			
No.	綱	目	科	種名	横石(12/7~12/9)	下代瀬(15/7付近)	坂本橋(17/0付近)	道の駅坂本(19/2付近)	球磨川	球磨川	下流①	左岸①	右岸②	下流②
					類①	類②	右岸①	右岸②	左岸①	左岸②	類①	類②	右岸①	右岸②
1	藍藻綱	クロコウソク目	クロコウソク科	Aphanothece cf. microscopica		2,800								
2				Merismopedia punctata		1,408							1,562	986
3		ネンジュモ目	ヒゲモ科	Homoeothrix janthina	356,796	1,232	237,758	69,300	103,224	627,937	162,824	44,528	3,120	345,708
4				Homoeothrix juliana		88	3,010	168	1,214	1,414				12,342
5				Nostoc sp.		14,136								
6				Phormidium sp.		814	75,240	5,940	195,518	441,289	133,518	23,474	201	3,564
7	緑藻綱	カマエシフオン目	カマエシフオン科	Chamaesiphon incurvatus	94,446	2,266								
8	紅藻綱	ベニマダラ目	ベニマダラ科	Hildenbrandia rubularis		1,200								
9	緑藻綱	中心目	タランシオナ科	Cyclotella meneghiniana	350	22		396						
10				Thalassiosira brannaputae										
11				Melosira undulata										
12				Melosira varians	7,346	198	6,395	2,772	23,074	2,000	12,474	1,210	6,442	186,120
13		羽状目	ディアルマ科	Diatoma vulgare	50,021		50,787	2,772	94,116	31,997	21,714	4,356	101	292,644
14				Staurosira construens										
15				Fragilaria crotonensis									201	
16				Fragilaria fasciculata										480
17				Fragilaria pinnata		440	228				336			88
18				Fragilaria sp.					12,144					
19				Synedra inaequalis	1,749		752	396	5,465	5,999	7,392		201	10,296
20				Synedra rumpens					607					
21				Synedra ulna	700			792			462		201	3,960
22		羽状目	ナビクラ科	Amphora pediculus		66		792	3,036					
23				Cymbella affinis							3,696	242	49	290
24				Cymbella cistula							462			2,904
25				Cymbella hustedtii										379
26				Cymbella tumida	6,996	22	1,881	396	6,072		3,234	242		
27				Cymbella turgidula	110,887	902	156,123	103,752	111,725	134,653	158,466	18,634	1,812	29,700
28				Eucyonema lei	131,525	2,508	8,653	54,252	22,466	11,999	40,184	37,994	32,611	1,980
29				Eucyonema minutum		22	1,881	396					302	792
30				Reimeria sinuata	350			792						1,742
31				Gomphonema quadrupunctatum								242		
32				Gomphonema herculeana	350		376		1,822	1,333	1,386			792
33				Gomphonema biceps	138,871	44	99,564	18,612	143,906	233,977	145,530	33,154	101	9,108
34				Gomphonema clevei	24,486	858	33,481	13,464	10,322	17,332	8,316	1,210	6,241	35,640
35				Gomphonema parvulum var. lagenula										45,936
36				Gomphonema parvulum	6,646	660	9,405	5,148	6,072	2,000	1,848	242	403	2,376
37				Gomphonema parvulum	1,049	198	6,772			2,666	1,386	726	2,919	69,300
38				Gomphonema pseudosagur										15,101
39				Gomphonema pseudosphaerophorum		110	1,129	2,376			1,386	484		
40				Gomphonema sp.										11,906
41				Navicula bacillum	10,844	946	5,267	5,544	607	3,333	7,392	6,050	2,315	290
42				Navicula capitatoradiata	1,749		376	792			924	242		1,452
43				Navicula cincta	1,399	264							201	396
44				Navicula cryptocephala										14,810
45				Navicula cryptotenella	3,148	5,566	4,514	6,732	4,858	4,000	5,082	5,808	2,315	3168
46				Navicula decussis		176						726	101	7,260
47				Navicula gregaria	4,547	924	1,505	3,960	3,036	1,333	4,158	2,178		396
48				Navicula menisculus		22	376							1,742
49				Navicula mutica										1,742
50				Navicula nipponica		110	376	396	607		462	242		1,162
51				Navicula notha	2,449	220	376				462	242		1,452
52				Navicula pupula										581
53				Navicula seminulum		22								581
54				Navicula subminuscula	350						462			
55				Navicula symmetrica									396	
56				Navicula tripunctata	2,449	888	376						101	290
57				Navicula ventralis		396	752							1,162
58				Navicula viridula var. linearis	1,399	264		1,188	607	667	924		101	4,356
59				Navicula rostellata	350	110	752	396	607	667	924	968	403	3,194
60				Navicula yuraensis	1,749	176	376	396	607	667	924	484	302	792
61				Navicula sp.	350	66					2,310	968	101	2,033
62				Rhoicosphenia abbreviata		66							302	15,391
63			アクナンテス科	Achnanthes bislalettiana										10,454
64				Achnanthes breviplex	350		376							5,808
65				Achnanthes clevei		22								290
66				Achnanthes delicatula										799
67				Achnanthes japonica	167,204	660	19,562	43,560	105,046	91,991	176,946	22,506	26,773	3,960
68				Achnanthes lanceolata	1,049		376	396	1,822		924			14,520
69				Achnanthes minutissima	9,445	88	4,514	1,584	10,322	4,666	20,790	968	201	2,033
70				Achnanthes subhudsonis	19,589	572	3,762	4,752	21,859	9,999	40,194	8,228	22,747	42,398
71				Achnanthes sp.	10,494	66	376	1,188	4,250	2,000	19,018		101	15,391
72				Cocconeis pediculus	1,399	44	376	396			462	242	403	10,454
73				Cocconeis placentula	700	88		792		2,000	6,468	484	201	5,808
74	エビエミナ科			Epithemia sp.	350	440								290
75	ニツシア科			Nitzschia acicularis		66								799
76				Nitzschia amphibia	6,296	418	13,543	5,940	10,322	9,332	31,878	2,420	1,308	581
77				Nitzschia dissipata		44		15,048	607		1,386		302	9,874
78				Nitzschia forticola	51,421	1,892	48,273	2,772	55,255	37,996	122,430	3,388	4,731	34,056
79				Nitzschia inconspicua	29,033	506	4,138		10,930	11,332	24,948	968	201	2,376
80				Nitzschia linearis										2,033
81				Nitzschia palea	18,889	1,122	12,038	4,356	13,358	6,666	47,586	2,178	1,510	14,256
82				Nitzschia paleacea	1,399	22								1,452
83				Nitzschia sp.		44					3,234			3,775
84				Surirella sp.										290
85	スリレラ科			Tetraspora sp.			3,648							290
86	ヨツメモ科	ヨツメモ目	ヨツメモ科	Gloeocystis amplia						2,666		7,744		42
87	クロコウソク目	セネデスス目	セネデスス科	Scenedesmus acuminatus	1,399	988	12,038	7,920	4,858	2,666	36,960	9,680	2,818	3,168
88				Scenedesmus denticulatus	2,798	88					3,696		805	
89				Scenedesmus quadricauda		440	3,010	1,584			3,696		805	4,752
90				Scenedesmus serratus		88	4,514							
91				Scenedesmus spinosus	2,798					10,666	3,696	968	403	
92				Scenedesmus sp.					2,429		3,696			
93	アミドロ科			Pediastrum duplex			730	768						
94	カエトフオラ目	カエトフオラ科		Cloniophora plumosa	25,440				1,840	1,616	1,680			
95				Stigeoclonium sp.	33,708			312	2,797	9,292	8,120			1,680
96				Chaetophoraceae		640								
97	サヤミドロ目			Oedogonium sp.	16,504		137	552	12,917				317	
98	ミドリガ目			Cladophora sp.							594	44		35
99				Cladophoraceae										
種類数					48	58	45	42	40	34	50	40	46	40
細胞数(Cells/cm2)					1,363,616	48,498	836,892	393,840	1,012,145	1,728,818	1,289,876	245,542	134,626	2,367,708
沈着量(mL/100cm2)					2.8	0.2	14.0	1.0	9.8	4.8	19.5	27.0	12.0	3.7
														1.8
														7.5