

Table 1. Algal species detected in the total 27 samples of periphyton accumulated on the surface of plastic bottles submerged in the river water surface at the sampling station on the R. Kokai for 3 or 4 days from mid-April to mid-August 1991.

Species	Times-detected			
	~mid-May (6) <sup>a)</sup>	~mid-Jun (7) <sup>a)</sup>	~mid-Jul (6) <sup>a)</sup>	~mid-Aug (8) <sup>a)</sup>
Cyanophyceae				
<i>Oscillatoria</i> sp.	-	-	-	5
Euglenophyceae				
<i>Euglena</i> sp.	2	-	-	1
Bacillariophyceae				
<i>Achnanthes lanceolata</i>	-	-	1	2
<i>Achnanthes microcephala</i>	-	-	1	-
<i>Achnanthes minutissima</i>	2	1	1	-
<i>Amphora</i> sp.	-	-	1	4
var. <i>voucheriae</i>	-	-	2	1
<i>Cyclotella</i> sp.	2	3	1	5
<i>Gymbella minuta</i>	2	3	4	4
var. <i>nipponica</i>	-	-	-	1
<i>Eunotia</i> sp.	-	-	1	-
var. <i>gracilis</i>	5	3	-	2
<i>Fragilaria intermedia</i>	2	2	5	-
<i>Gomphonema parvulum</i>	1	1	2	2
<i>Melosira italica</i>	2	-	-	1
<i>Melosira varians</i>	6	6	6	7
<i>Navicula capitatoradiata</i>	-	-	2	-
<i>Navicula cryptocephala</i>	-	1	-	1
<i>Navicula frugalis</i>	-	-	1	2
<i>Navicula gregaria</i>	4	4	4	2
<i>Navicula lanceolata</i>	1	-	-	-
<i>Navicula saprophila</i>	2	-	-	-
<i>Navicula symmetrica</i>	-	1	3	3
<i>Navicula testella</i>	-	2	5	1
<i>Navicula veneta</i>	1	-	-	1
<i>Navicula viridula</i>	-	-	2	-
var. <i>rostellata</i>	2	4	4	8
<i>Navicula yuraensis</i>	1	1	4	-
<i>Navicula</i> sp.	1	-	1	-
<i>Nitzschia acicularis</i>	6	4	1	4
<i>Nitzschia amphibia</i>	-	-	1	-
<i>Nitzschia gracilis</i>	-	-	-	1
<i>Nitzschia filiformis</i>	1	-	-	-
<i>Nitzschia frustulum</i>	6	7	5	7
<i>Nitzschia linearis</i>	-	-	1	3
<i>Nitzschia palea</i>	6	7	6	8
<i>Nitzschia paleacea</i>	1	1	-	-
<i>Nitzschia reversa</i>	-	-	-	1
<i>Nitzschia romana</i>	2	1	3	2
<i>Nitzschia subacicularis</i>	2	-	1	2
<i>Nitzschia vermicularis</i>	-	-	-	2
<i>Fimularia braunii</i>	-	-	-	1
<i>Fimularia gibba</i>	-	-	-	4
<i>Fimularia</i> sp.	-	-	1	1
<i>Surirella</i> sp.	-	-	-	1
<i>Synedra acis</i>	3	-	-	1
<i>Synedra numpens</i>	3	3	3	1
<i>Synedra ulna</i>	6	3	3	8
Chlorophyceae				
<i>Ankistrodesmus</i> sp.	-	-	-	4
<i>Chlamydomonas</i> spp.	6	6	4	8
<i>Cosmarium</i> sp.	-	-	-	2
<i>Micractinium</i> sp.	-	-	-	1
<i>Scenedesmus</i> spp.	2	3	3	5
Total no. of species detected	28	22	32	40

<sup>a)</sup>no. of samples