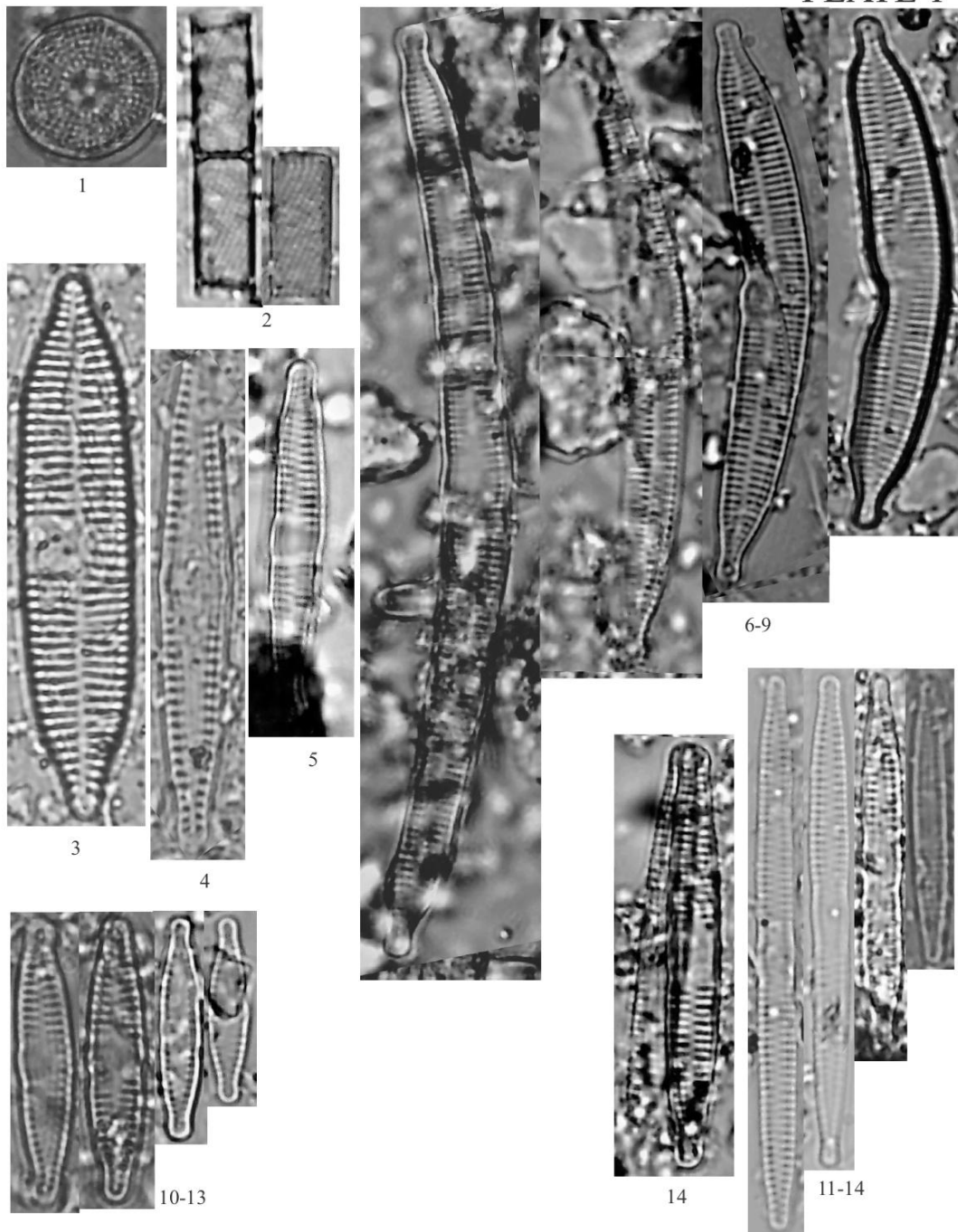


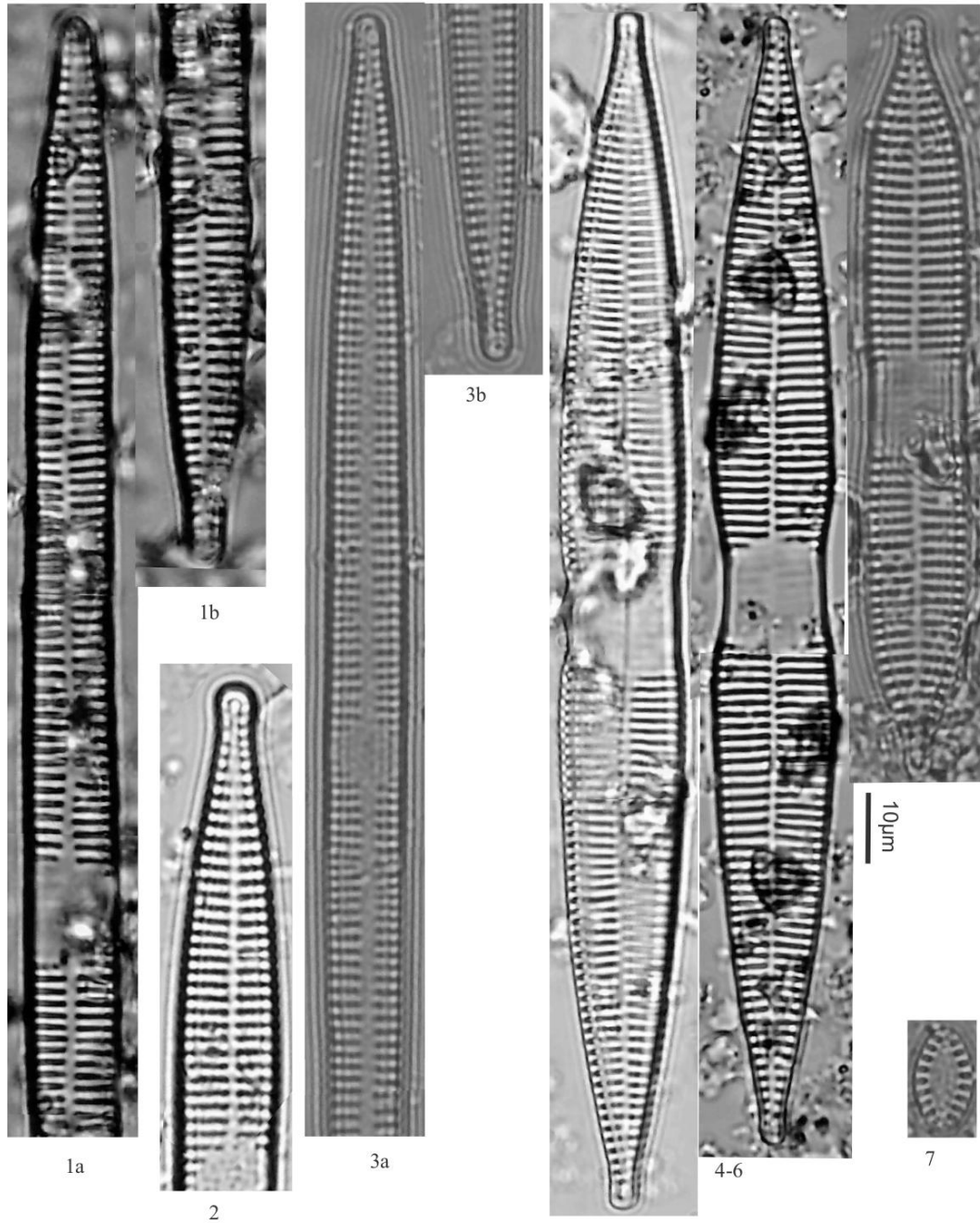
ANEXO I

Láminas de diatomeas de río Bermejo	N° PLATE
1. Centrales y arrafídeas	PLATE 1-2
2. Braquirrafídeas	PLATE 3-4
7. Monorrafídeas	PLATE 4-7
5. Birrafídeas	PLATE 8-41
7. Sureloides	PLATE 42-43

PLATE 1

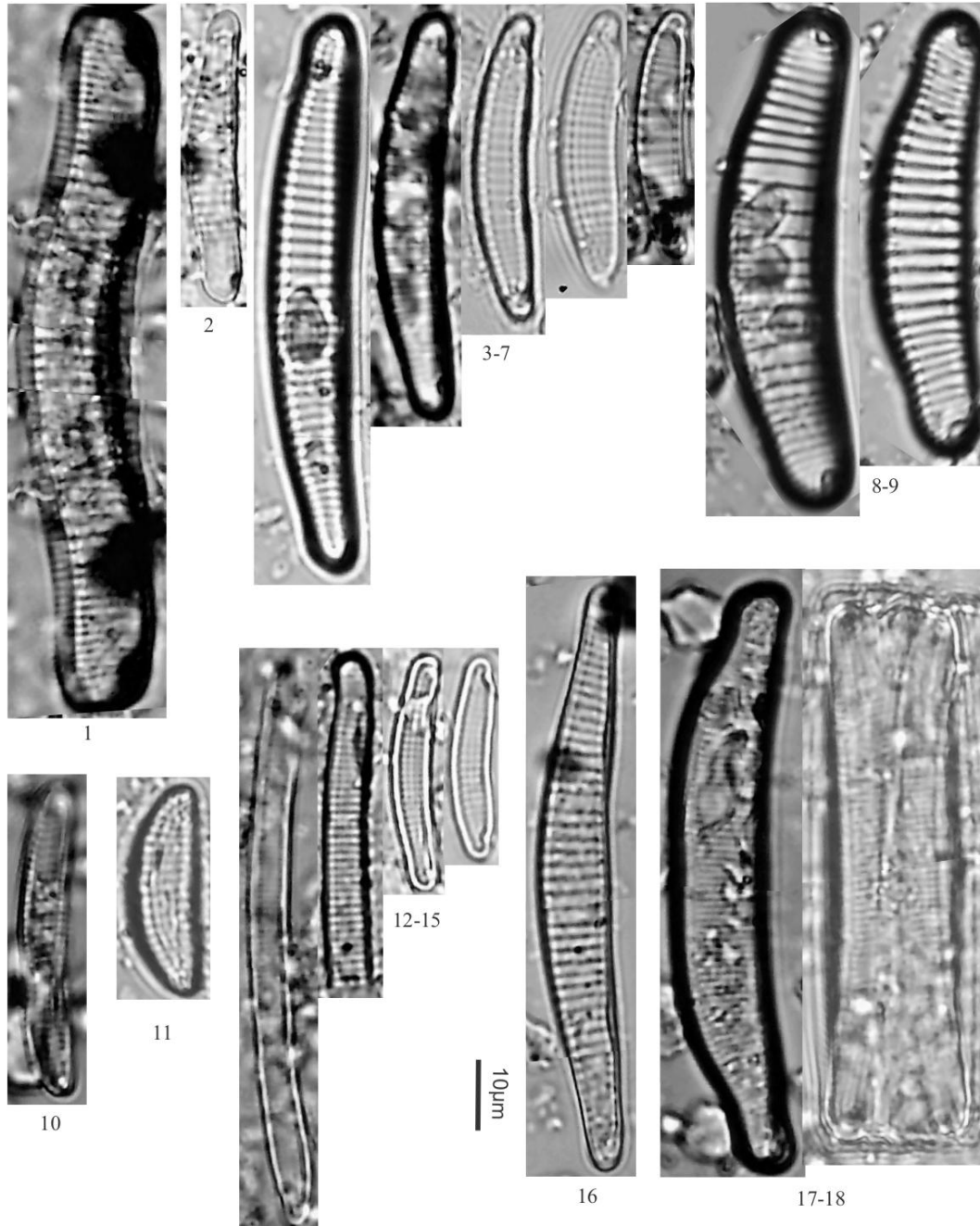


1 *Orthoseira roeseana*; 2 *Aulacoseira granulata*; 3 *Synedra* aff. *jogensis*; 4 *Fragilaria* cf. *tenera*; 5 *Fragilaria* sp1 (*teratogénica*); 6-9 *Hamaea arcus*; ; 10-13 *Fragilaria vaucheriae*; 14 *F. recapitellata*; 15-18 *F. radians*



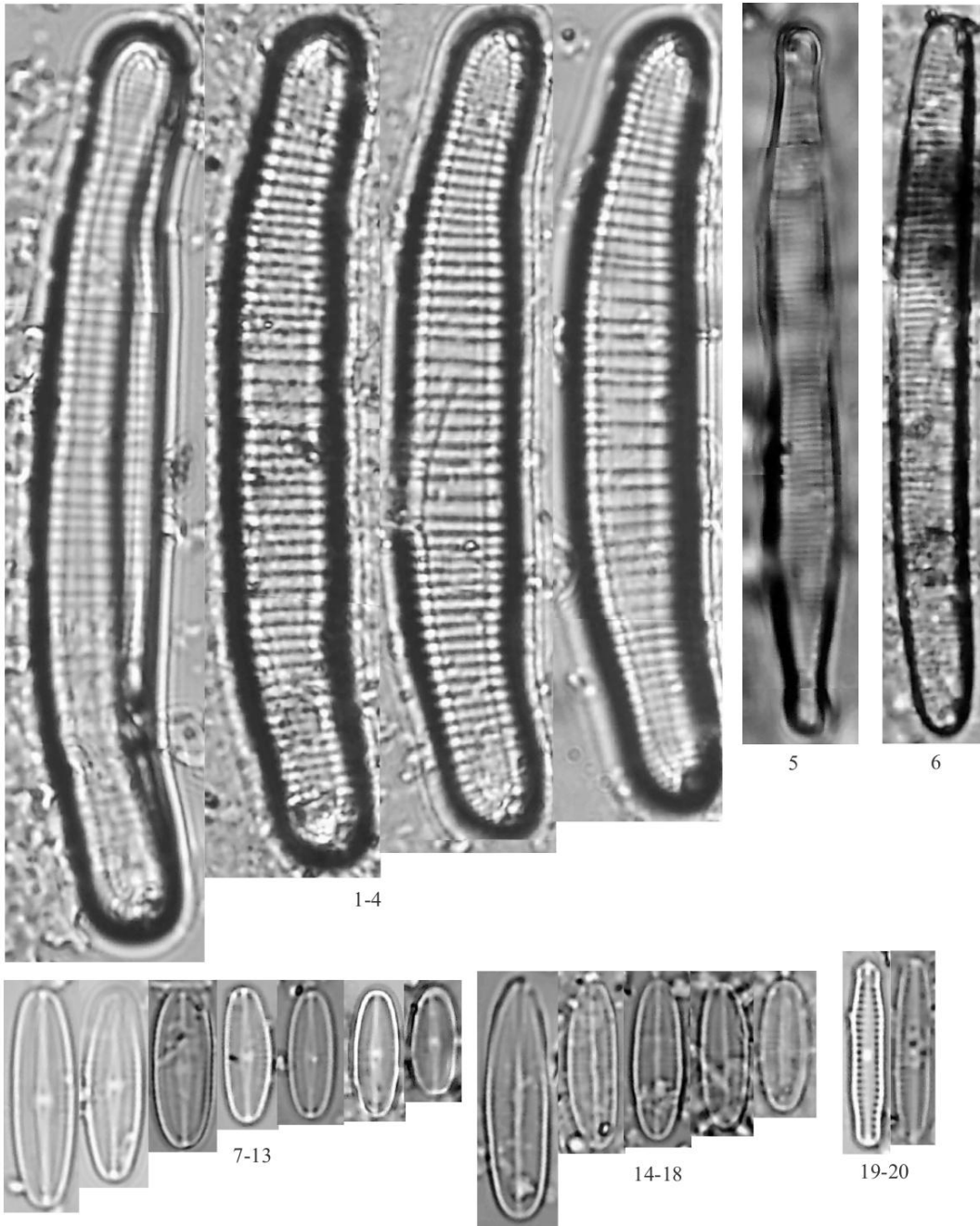
1a-b *Ulnaria ulna*; 2 *U. lanceolata*; 3a-b *U. acus*; 4-6 *U. gouldarii*; 7 *Frankophila wayqechae*

PLATE 3



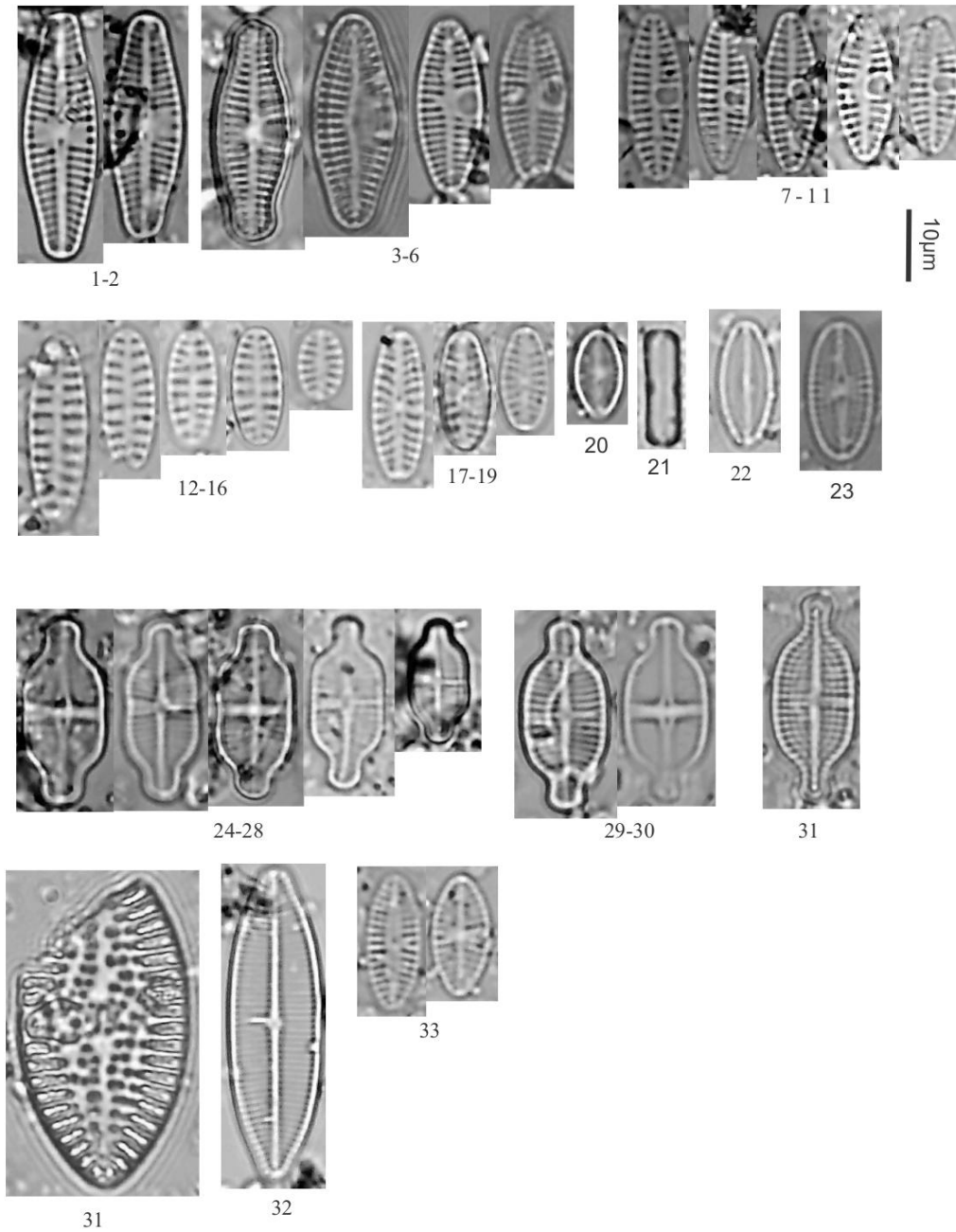
1 *Eunotia* sp1; 2 *Eunotia* sp2; 3-7 *E. pseudosudetica*; 8-9 *E. monodon*; 10 *Eunotia* sp3; 11 *Eunotia meridiana*; 12-15 *E. bilunaris*; 16 *Eunotia sudetica* var. *hamuranaensis*; 17-18 *E. arcus* (14 VV) (15 VP)

PLATE 4



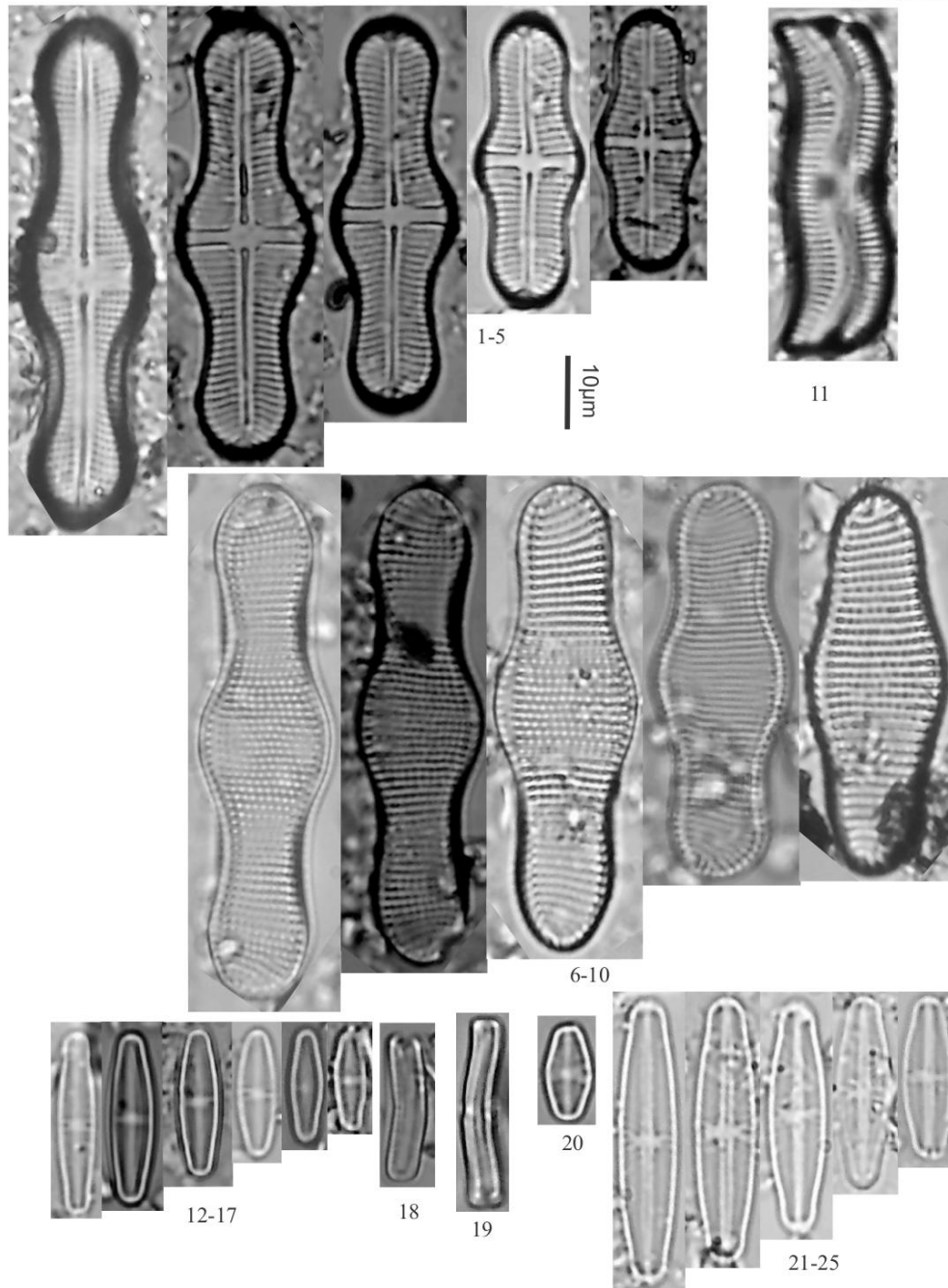
1-4 *Eunotia pseudoparalleloides*; 5 *Fragilariforma javanica*; 6 *Eunotia dacostae*; 7-13 *Achnantheidium anastasiae* (7-13 V C/R) (14-18 V S/R); 19 *Achnantheidium* sp3

PLATE 5

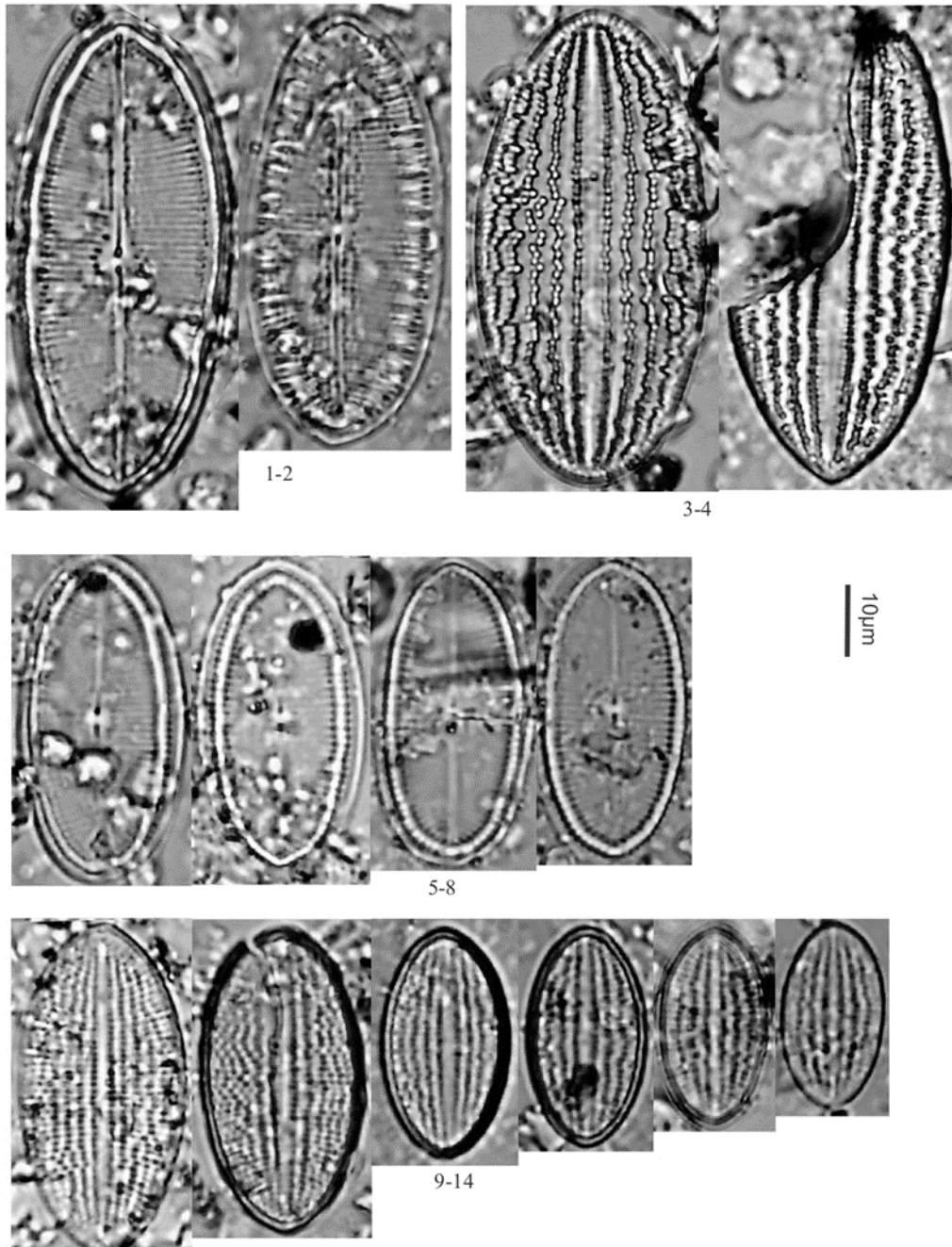


1-6 *Planothidium lanceolatum* (4 teratogénica) (1-2 V C/R) (3-6 V S/R) ; 7-11 *P. frequentissimum*; 12-19 *P. hauckianum* (12-16 V S/R) (17-19 V C/R); 20 *Achnanthes* sp1; 21 *Achnanthes* sp2; 22 *Achnanthes* sp3; 23 *Psammothidium hustedtii*; 24-28 *Achnanthidium exiguum* var. *constrictum*; 29-30 *Gogorevia exilis*; 31 *Gogorevia* sp1; 31 *Planothidium lagerheimii*; 32 *Lemnicola hungarica*; 33 *Platessa saxonica*

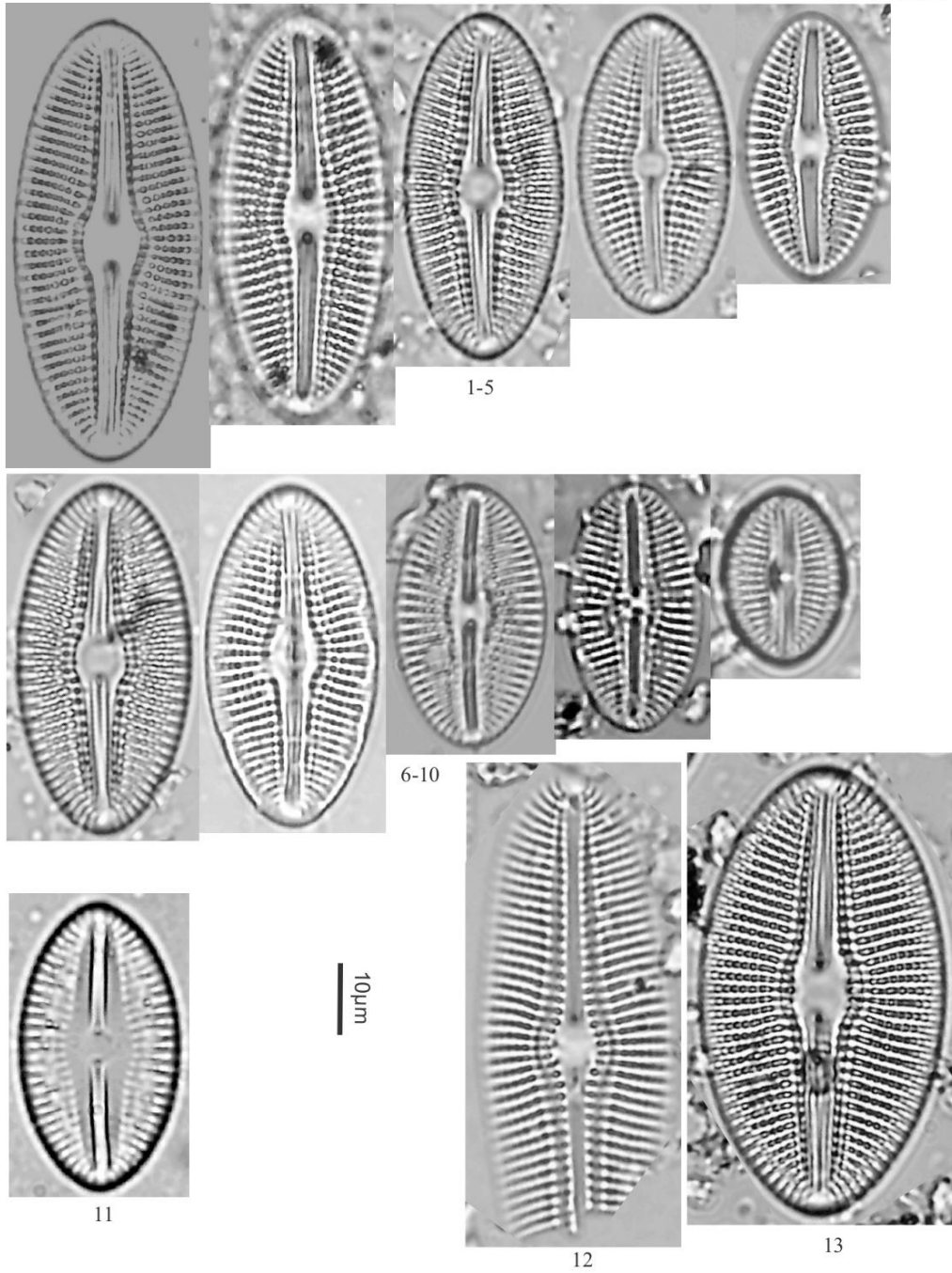
PLATE 6



1-11 *Achnanthes inflata* (1-5 V C/R) (6-10 V S/R) (11 VP); 12-18 *Achnantheidium minutissimum* (12-17 VV) (18 VP); 19 *Achnantheidium* sp1; 20 *Achnantheidium* sp2; 21-25 *A. lusitanicum*

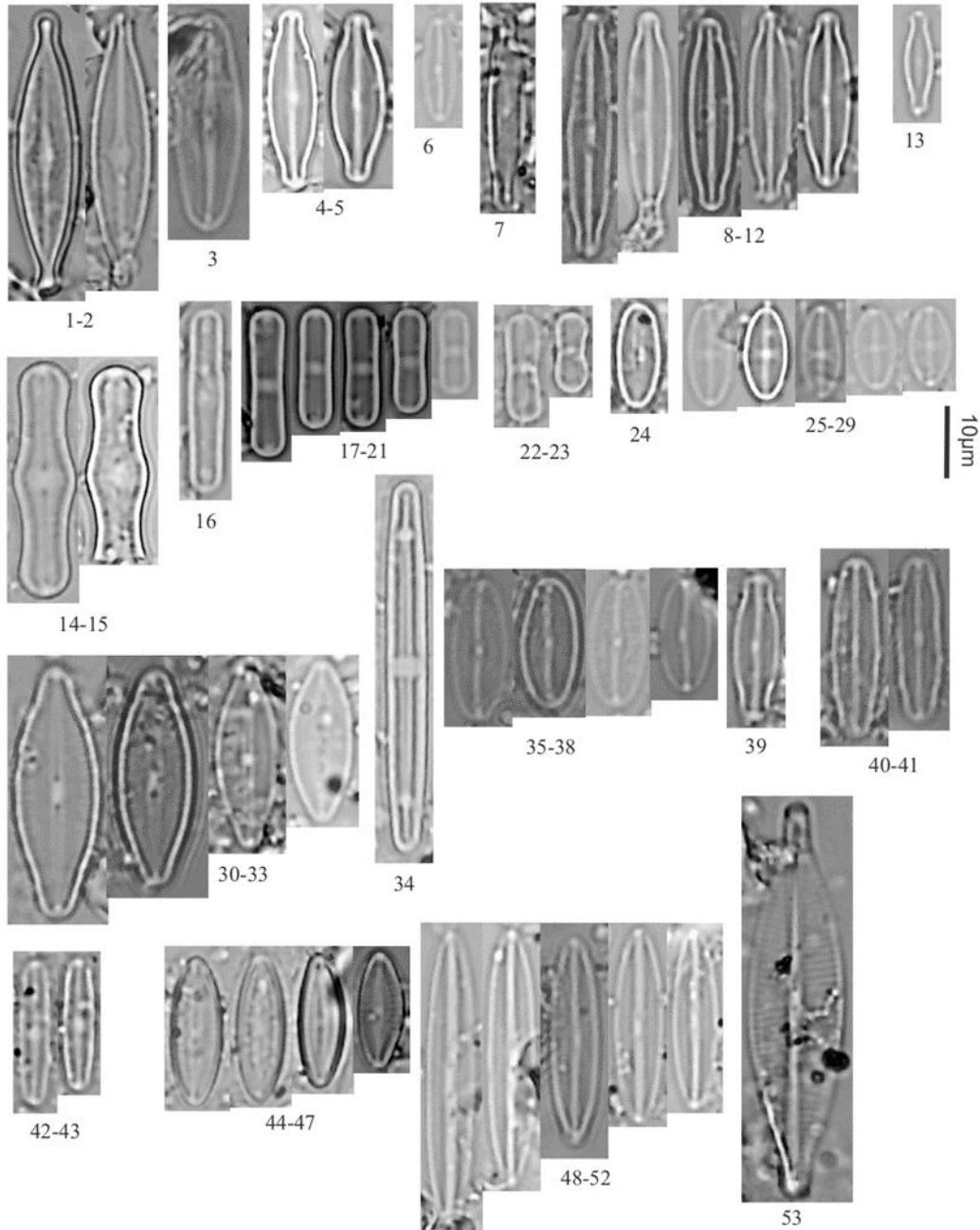


1-4 *Cocconeis lineata* (1-2 VV) (3-4 V S/R); 5-14 *C. placentula* var. *euglypta* (5-8 VV) (9-14 V S/R)



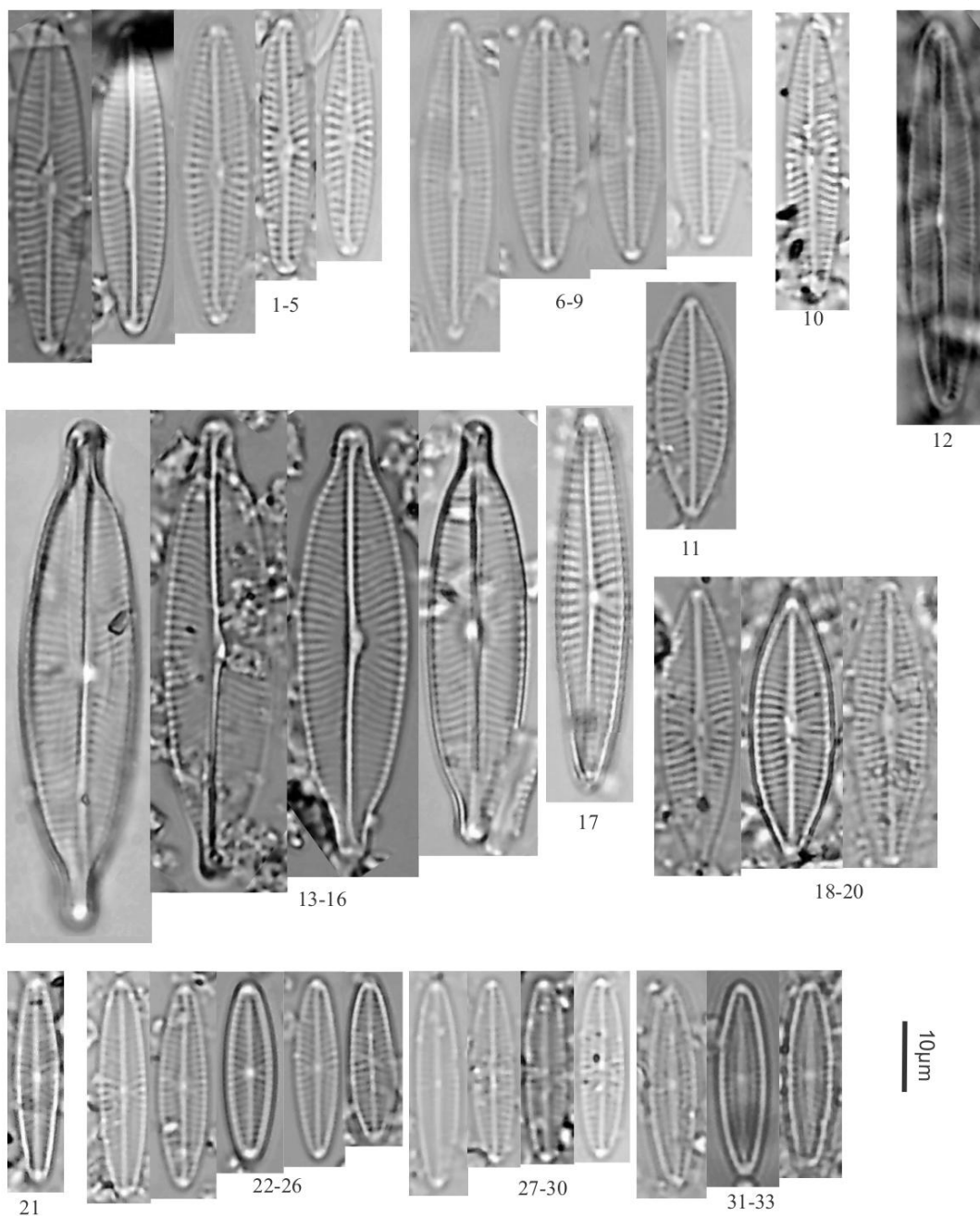
1-5 *Diploneis krammerii*; 6-10 *D. kahlii*; 11 *Diploneis* cf. *aokiensis*; 12 *D. subconstricta*; 13 *D. ovalis*

PLATE 9

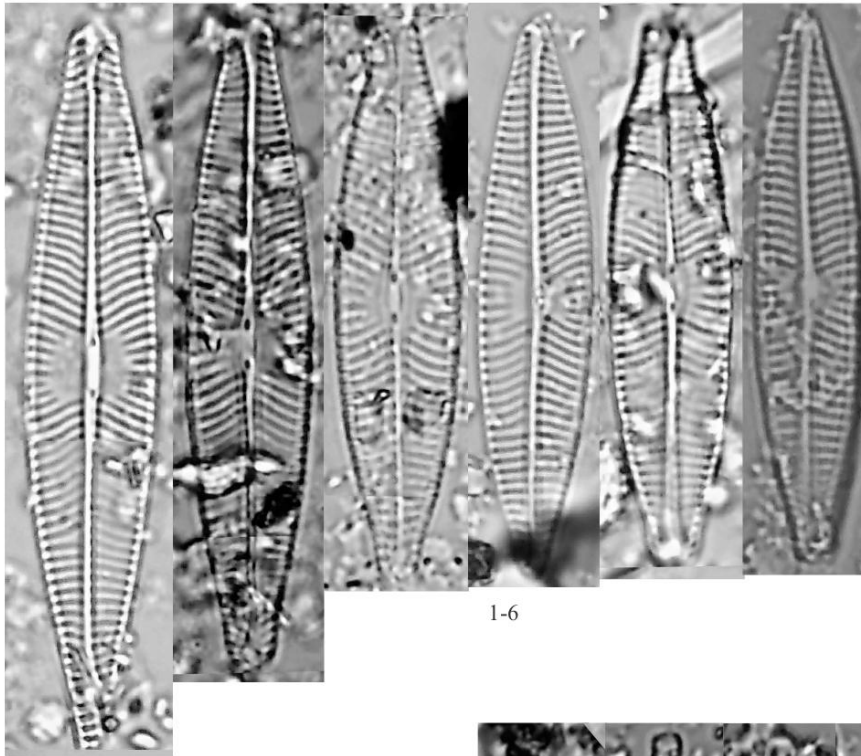


1-2 *Brachysira neoexilis*; 3 *Brachysira* sp1; 4-5 *Nupela deformis*; 6 *Nupela* sp1; 7 *Kobayasiella* sp1; 8-12 *K. parasubtilissima* (8 teratogénica); 13 *Humidophila laevissima*; 14-15 *H. arcuatoides*; 16 *H. pantropica*; 17-23 *H. contenta* (22 y 23 teratogénica); 24 *Humidophila* sp1; 25-29 *Eolimna minima*; 30-33 *Diadsmis confervacea*; 34 *Diadsmis andegavensis*; 35-38 *Navicula faceta*; 39 *N. arvensis* var. *dubai*; 40-41 *N. adamsi*; 42-43 *N. collertsonii*; 44-47 *Navicula* cf. *fossilioides*; 48-52 *N. ungavae*; 53 *N. supergregaria*

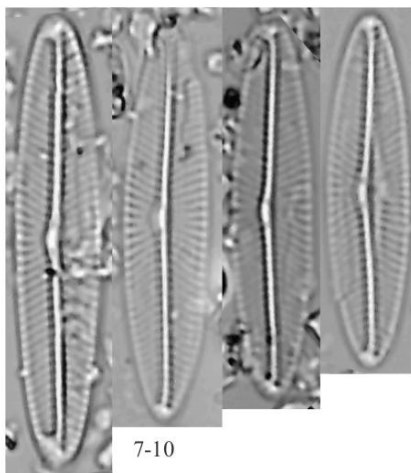
PLATE 10



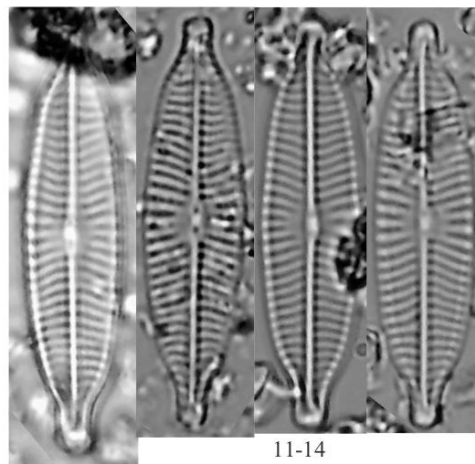
1-9 *Navicula erifuga*; 10 *N. cari*; 11 *N. recens*; 12 *N. symmetrica*; 13-16 *N. rostellata*; 17 *N. eicchorniaephila*; 18-20 *N. germainii*; 21 *N. rhynchocephala*; 22-33 *N. cryptotenella*



1-6



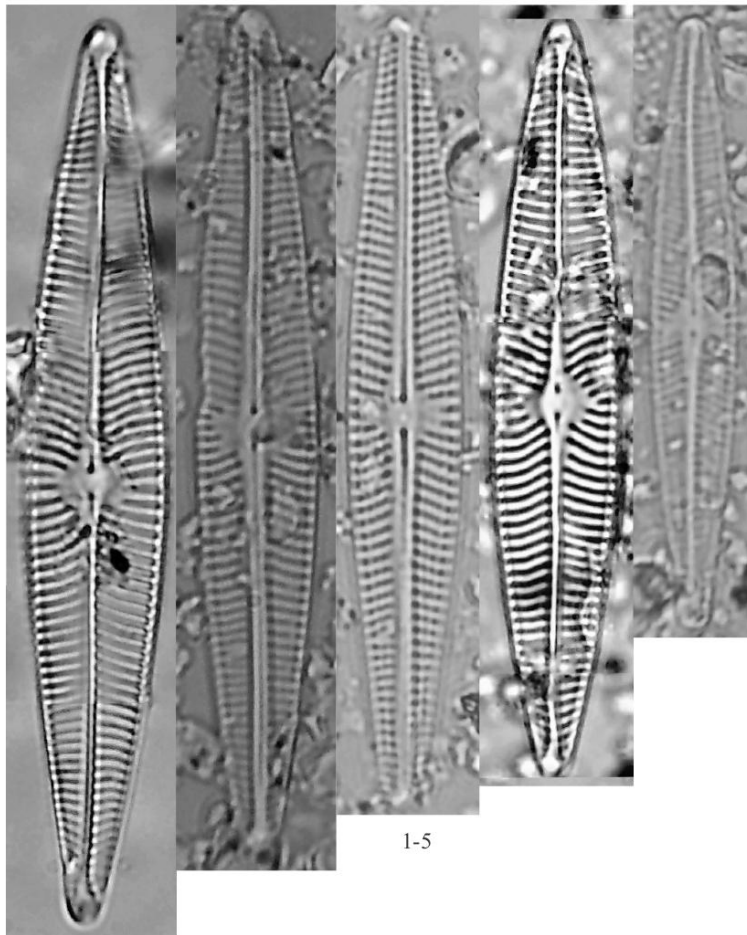
7-10



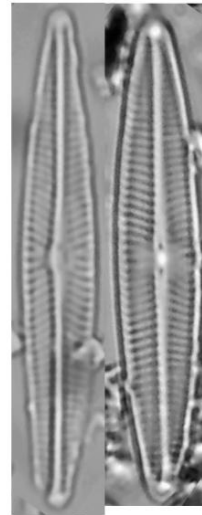
11-14

1-6 Navicula lanceolata; *7-10 N. escambia*; *11-14 N. amphiceropsis*

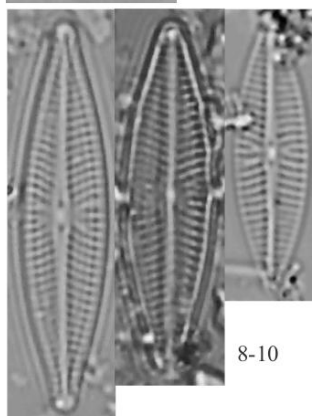
PLATE 12



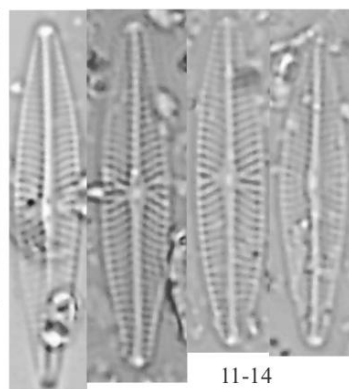
1-5



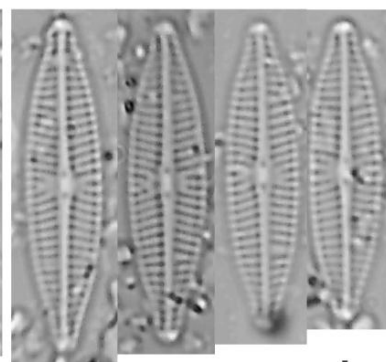
6-7



8-10



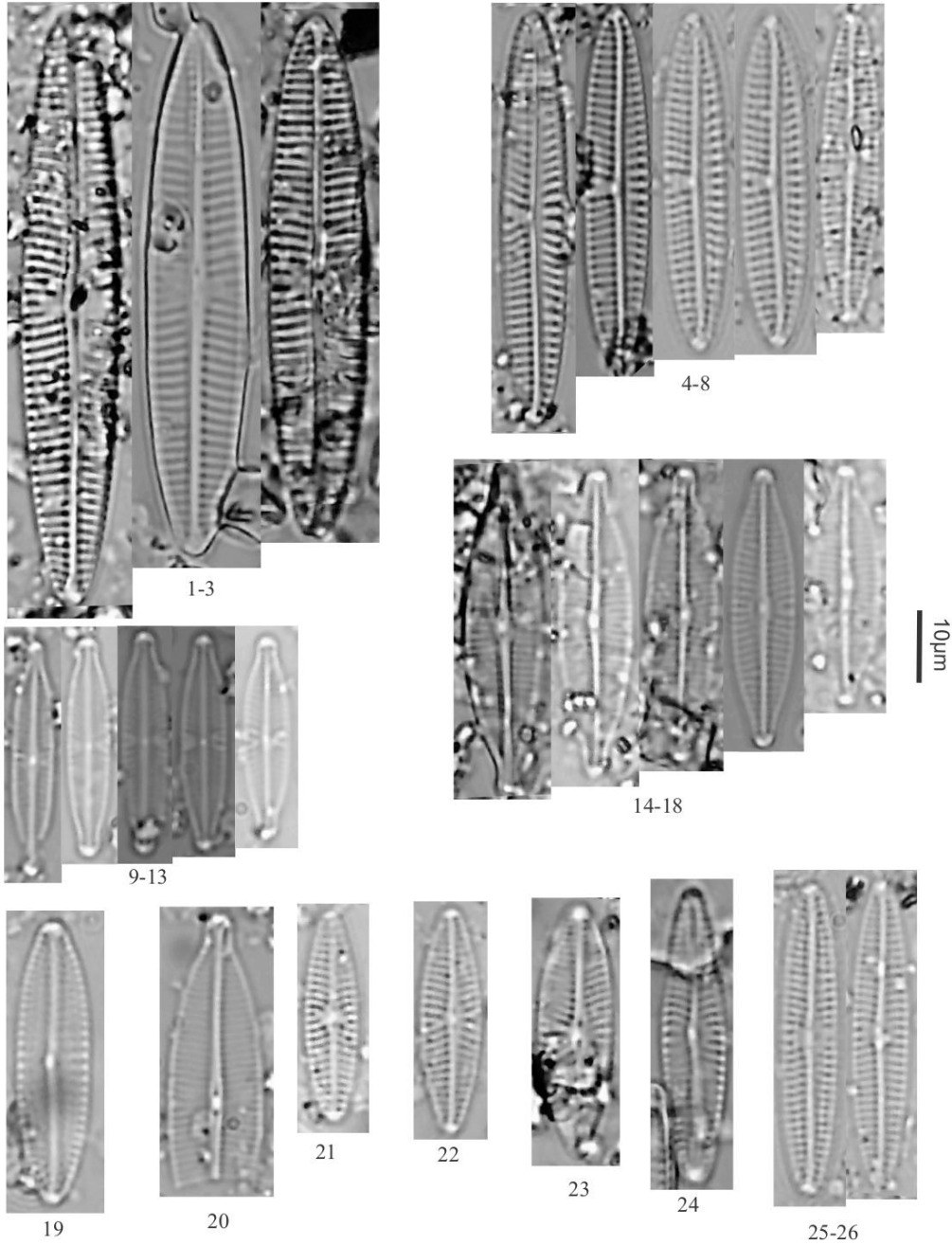
11-14



15-18

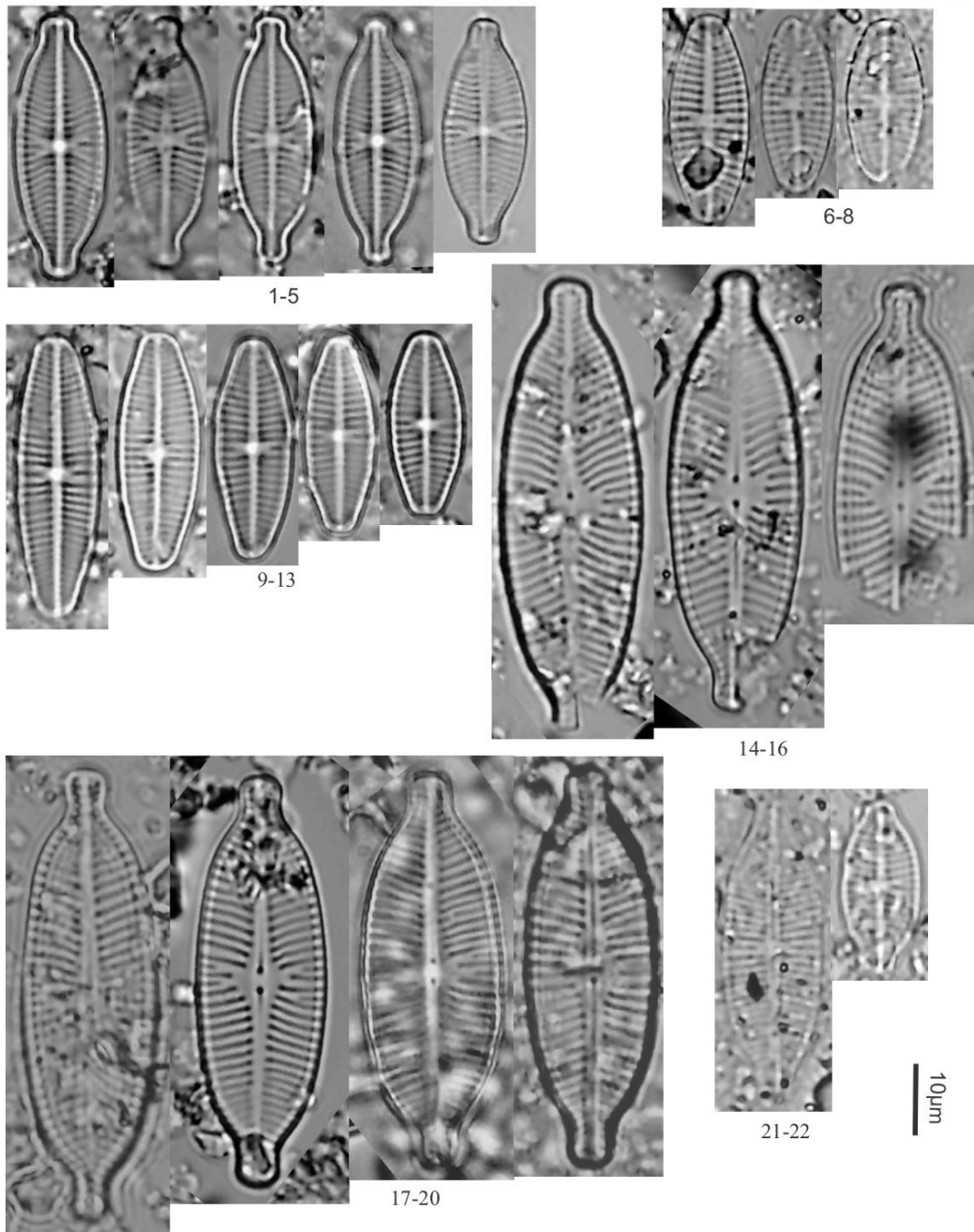
10µm

1-5 *Navicula radiosa*; 6-7 *N. angusta*; 8-18 *N. cryptocephala*



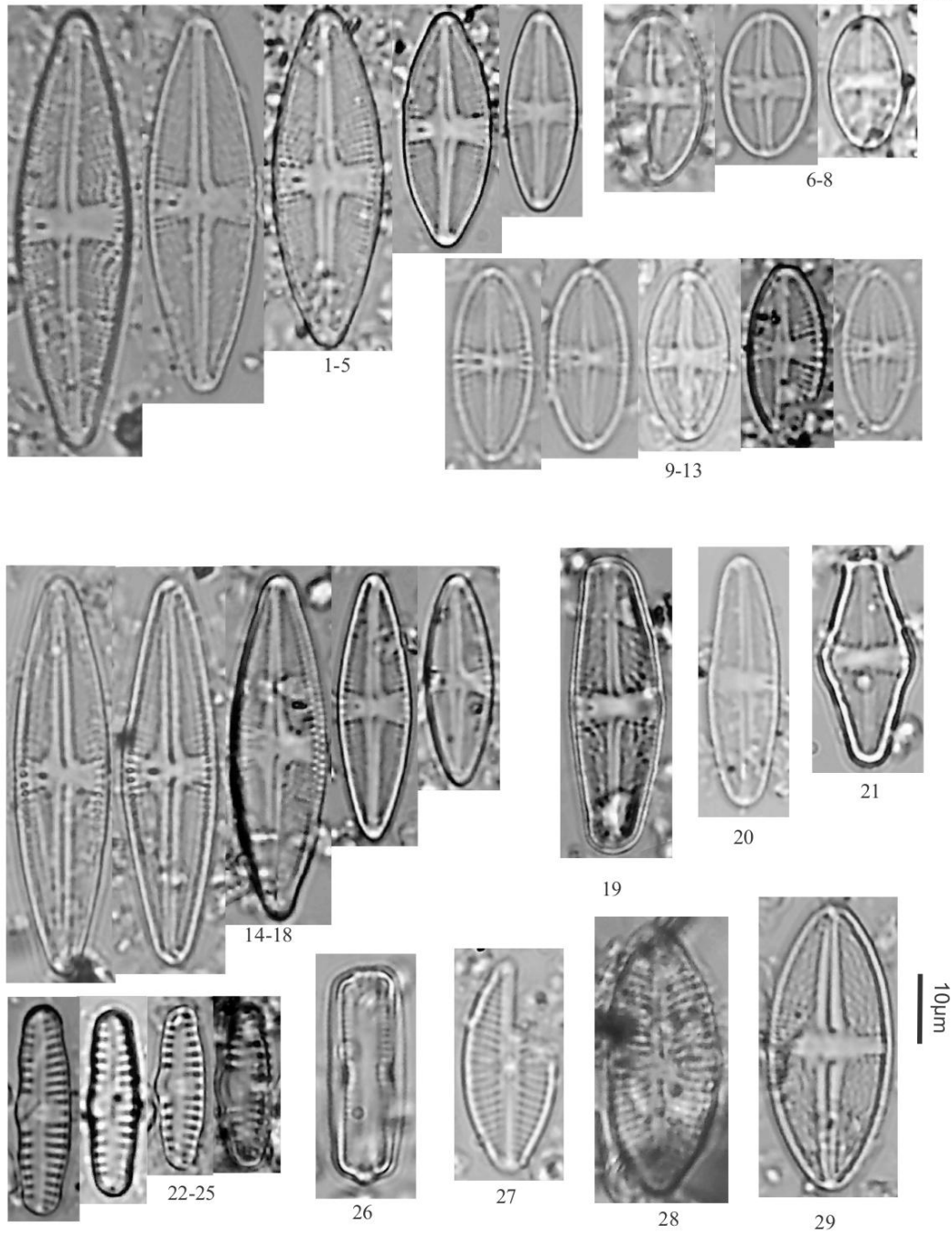
1-3 *Navicula tripunctata*; 4-8 *N. jacobii*; 9-13 *N. longicephala*; 14-18 *N. gregaria*; 19 *Navicula* sp1; 20 *Navicula* sp2; 21 *Navicula* sp3; 22 *Navicula* sp4; 23 *Navicula* sp5; 24 *Navicula* sp6; 25-26 *Navicula* sp7

PLATE 14

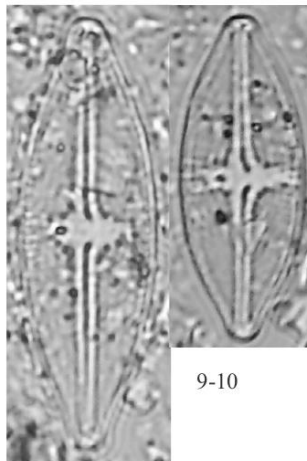
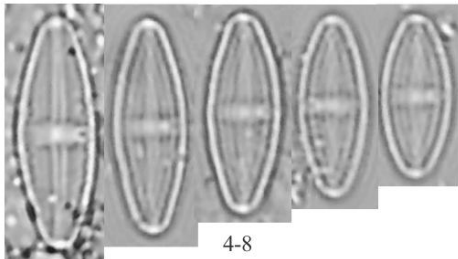
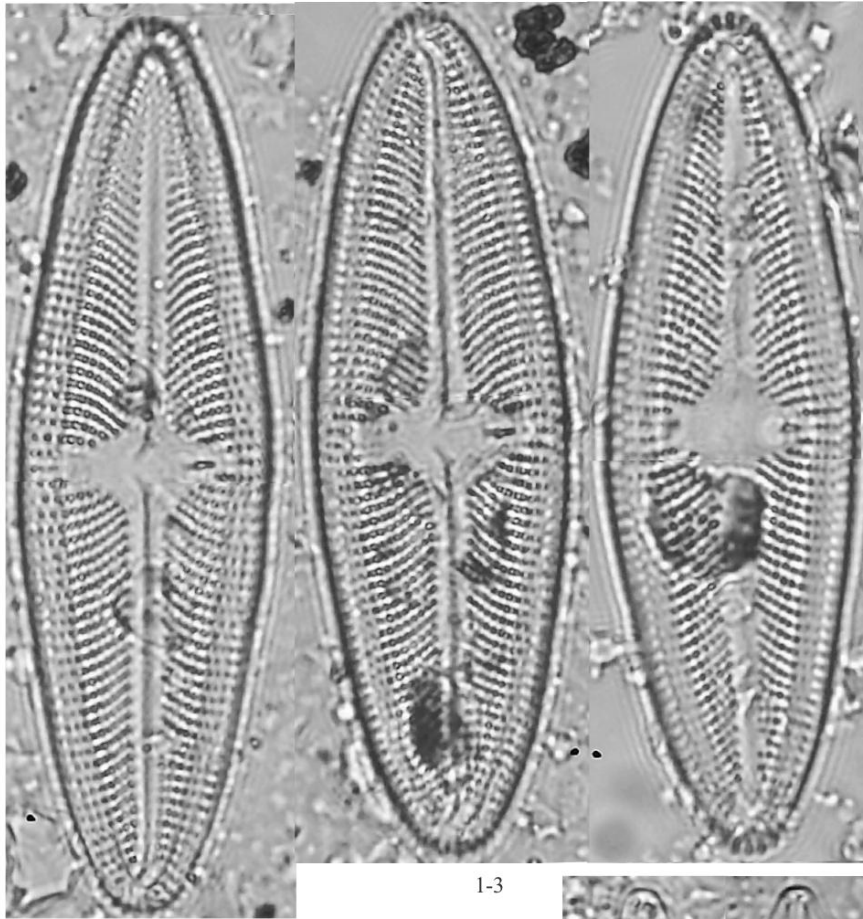


1-5 *Geissleria decussis*; 6-8 *G. cascadiensis*; 9-13 *G. shmidae* (11 teratogénica); 14-16 *Placoneis elginensis*; 17-20 *P. molestissima*; 21-22 *Geissleria neotropica*

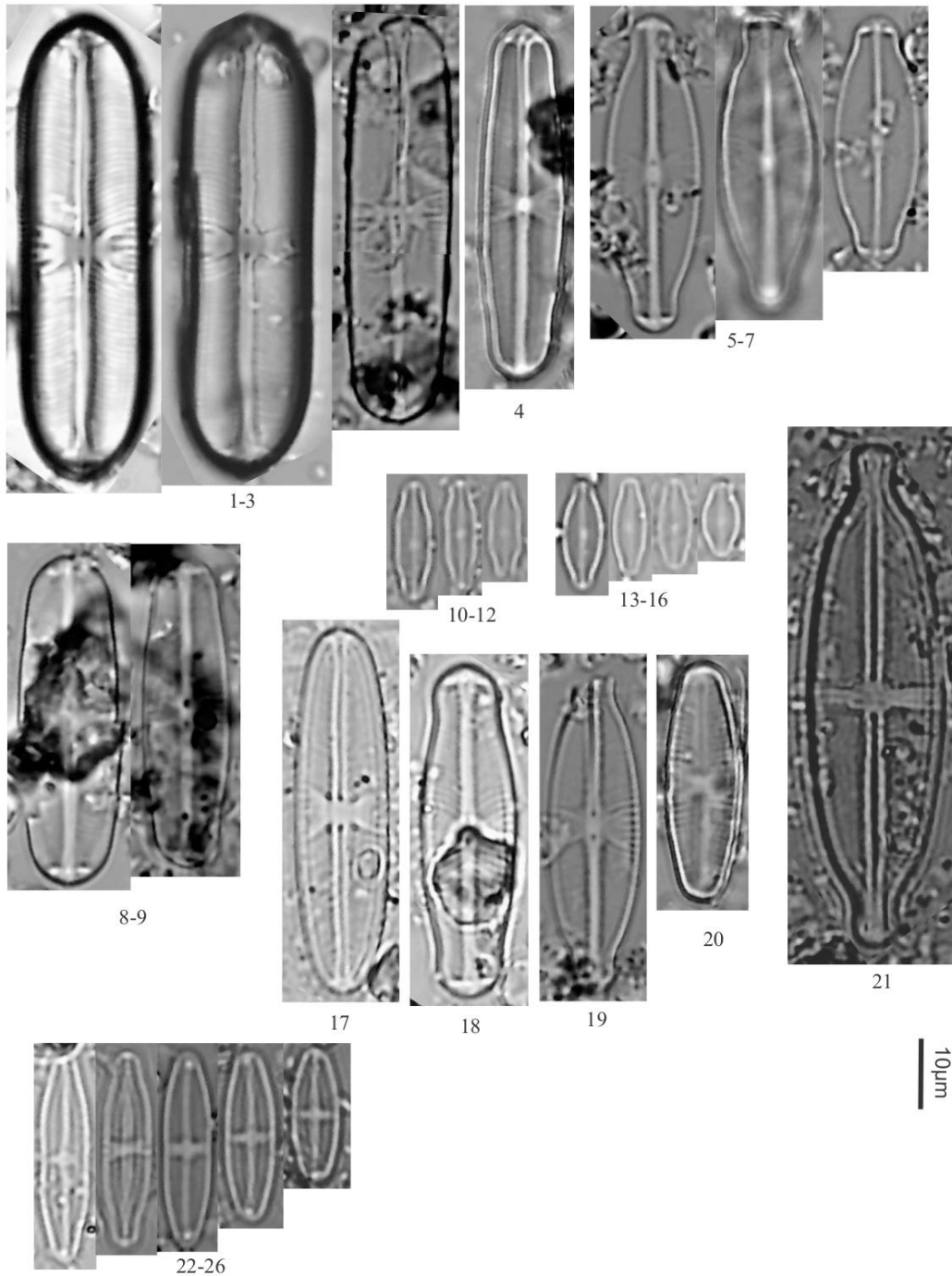
PLATE 15



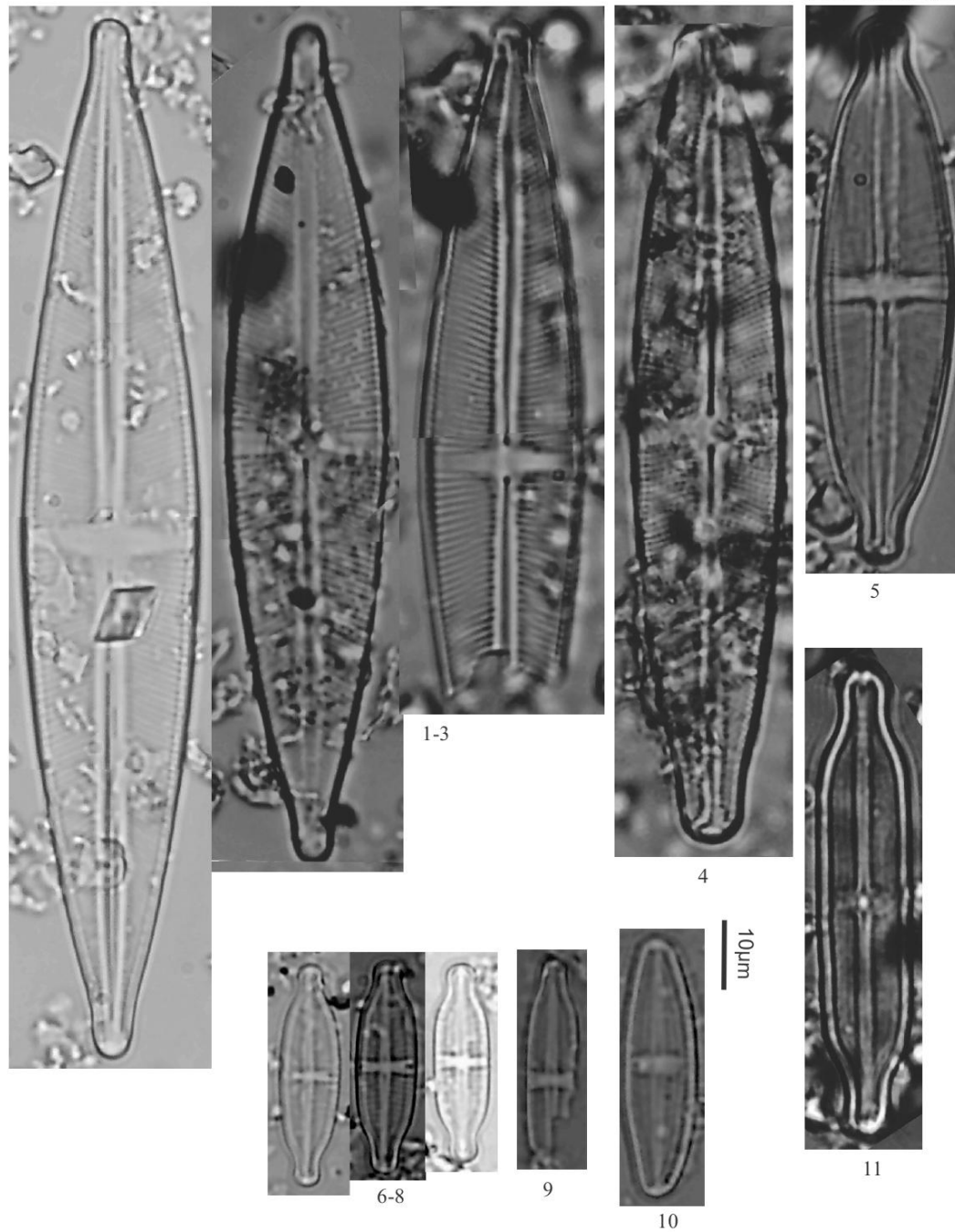
1-5 *Luticola goeppertiana*; 6-8 *L. muticoides*; 9-13 *L. permuticoides*; 14-18 *Luticola* aff. *goeppertiana*; 19 *L. monita*; 20 *Luticola* sp1 (*teratopgénica*); 21 *L. aequatorialis*; 22-26 *Reimeria sinuata* (22-25 VV) (26 VP); 27 *Cavinula* sp1; 28 *Cavinula* sp2; 29 *Luticola* sp2



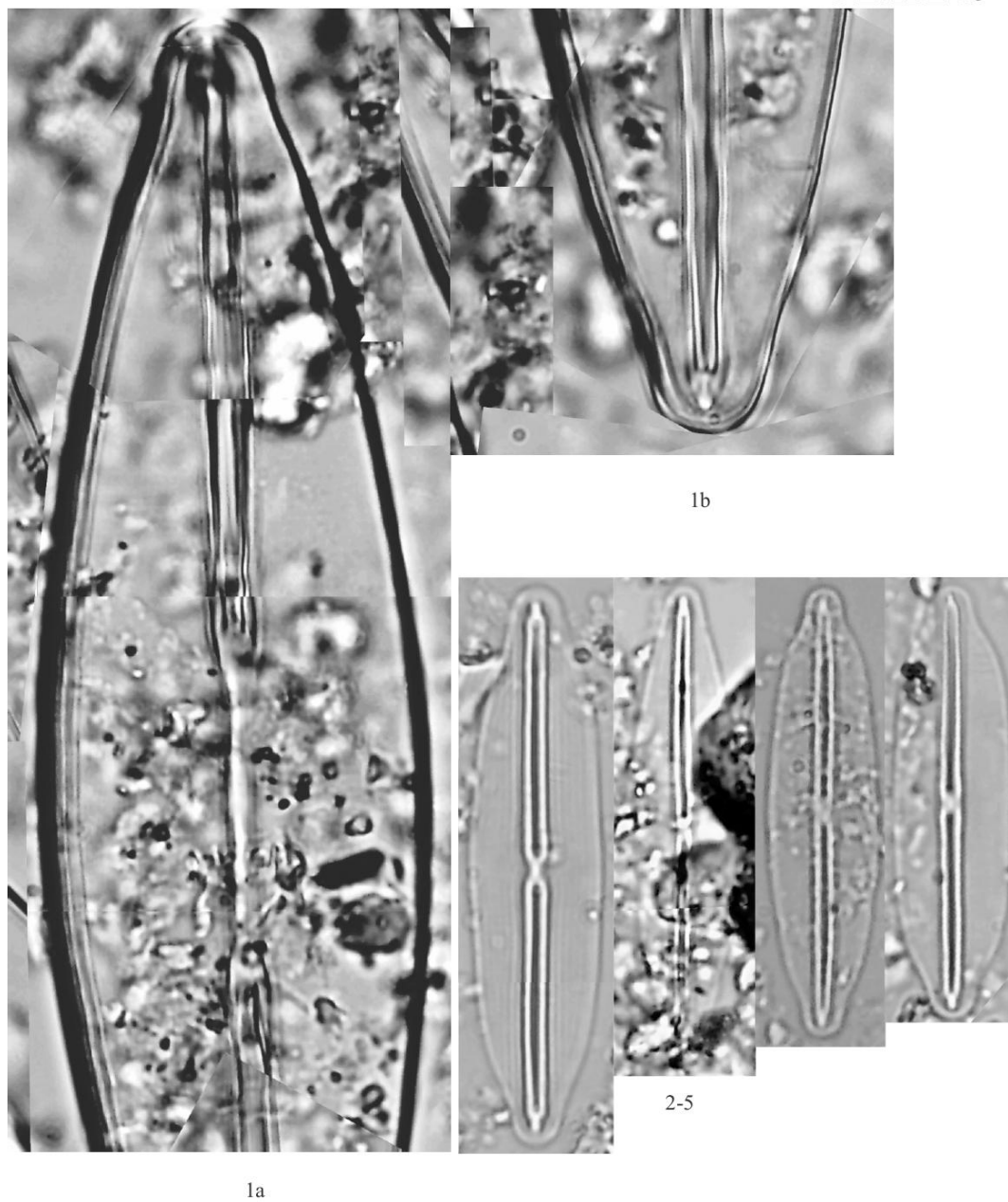
1-3 *Luticola frenguelli*; 4-8 *Luticola simplex*; 9-10 *Luticola plausibilis*; 11 *Sellaphora* sp3



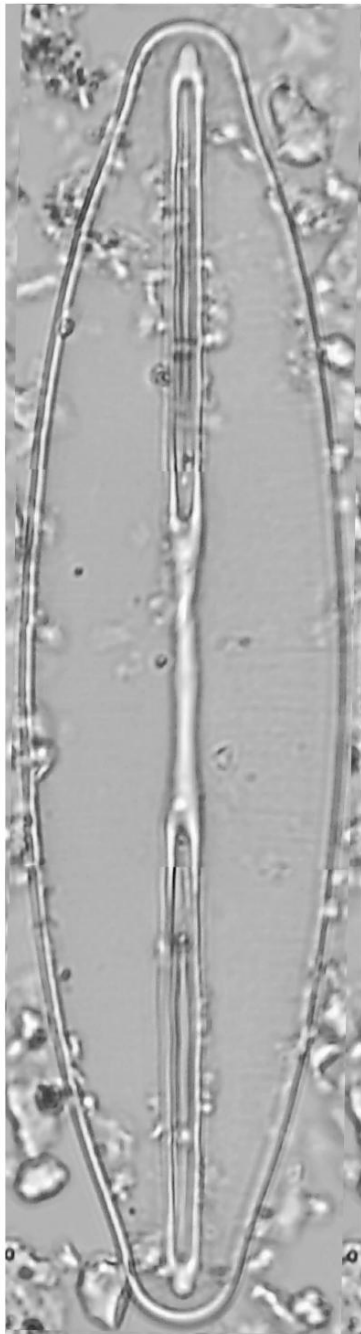
1-3 *Sellaphora rectangularis*; 4 *S. laevissima*; 5-7 *S. pupula*; 8-9 *S. obesa*; 10-12 *S. pseudoarvensis*; 13-16 *S. arvensis*; 17 *Sellaphora* aff. *pseudopupula*; 18 *S. blackfordensis*; 19 *Sellaphora* sp1; 20 *Sellaphora* sp2; 21 *Stauroneis reichardtii*; 22-26 *S. adamsiana*



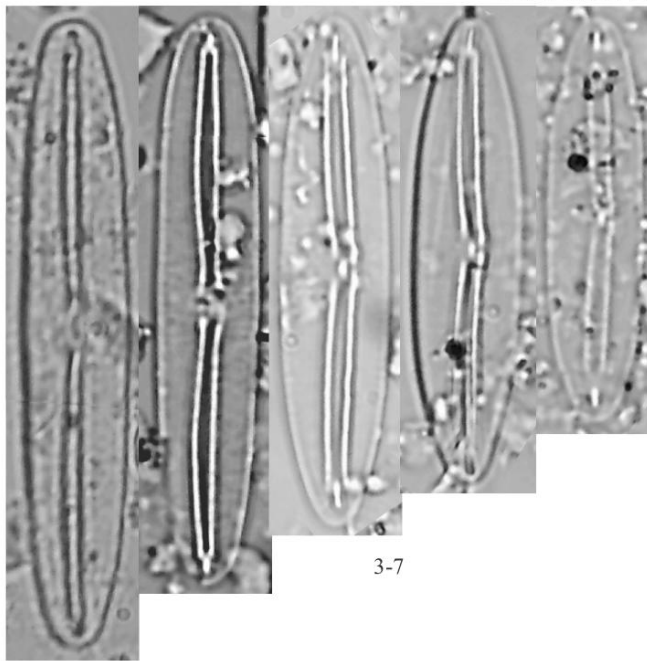
1-3 *Stauroneis conspicua*; 4 *S. gracilis*; 5 *S. amphicephala*; 6-8 *S. acidobionta*; 9 *S. kriegeri*; 10 *Stauroneis* sp1; 11 *Stauroneis* cf. *acidoclinata*



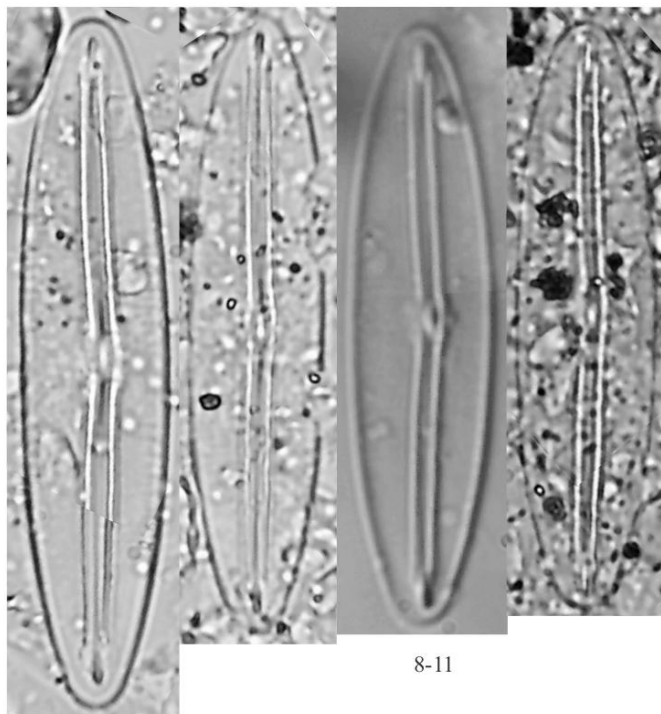
1 a-b *Amphipleura* sp1; 2-5 *Frustulia saxonica*



1

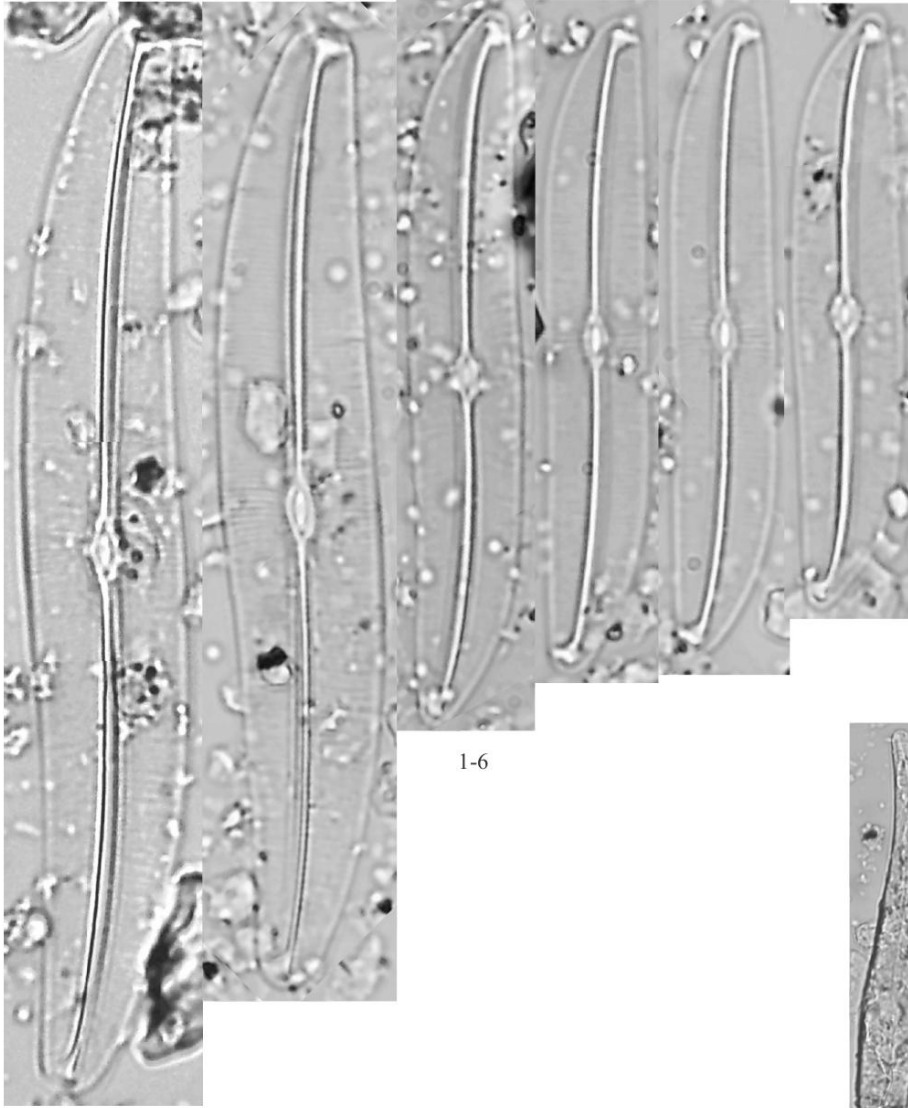


3-7



8-11

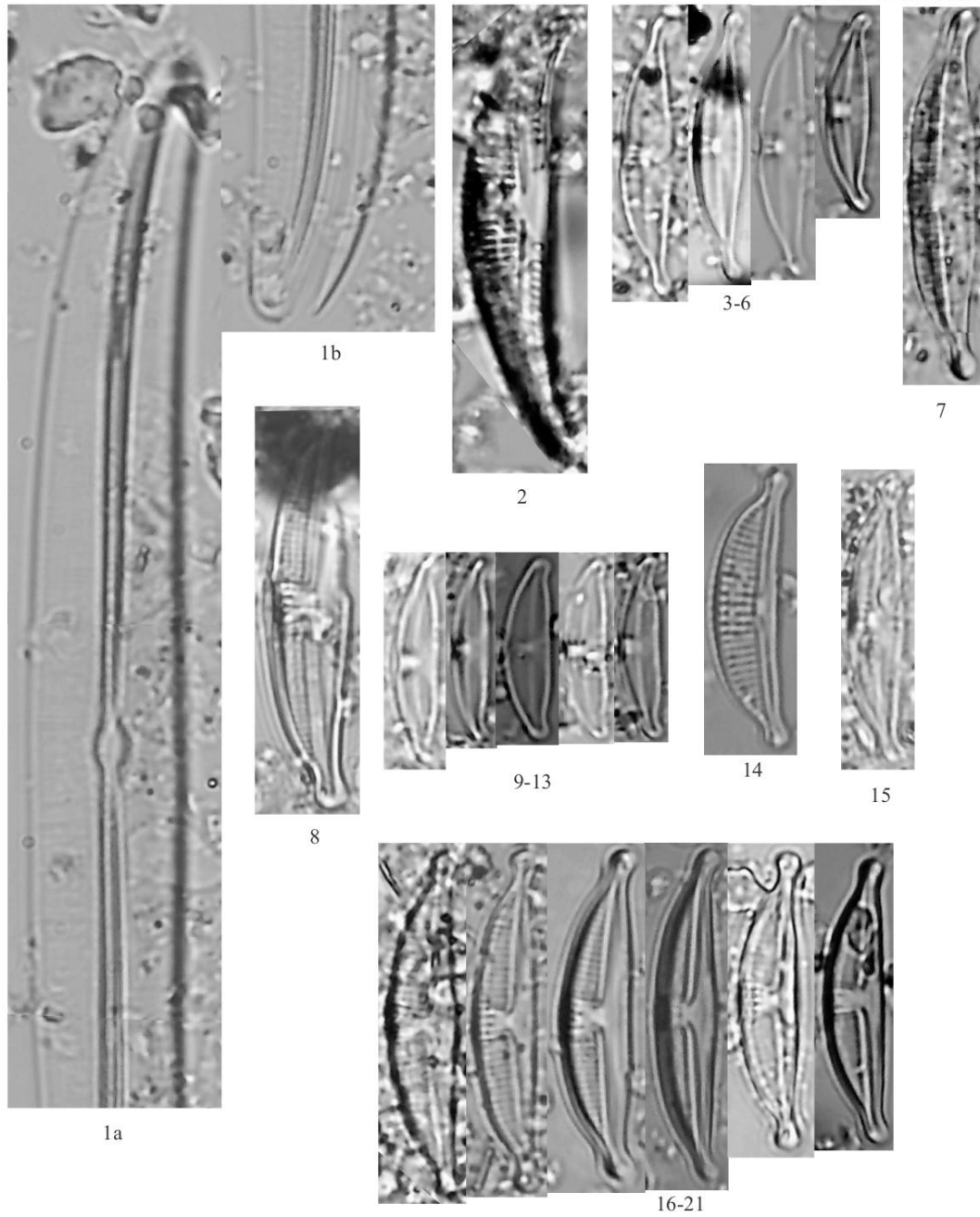
1 *Amphipleura* sp1; 3-7 *Frustulia vulgaris*; 8-11 *F. neofrenguelli*



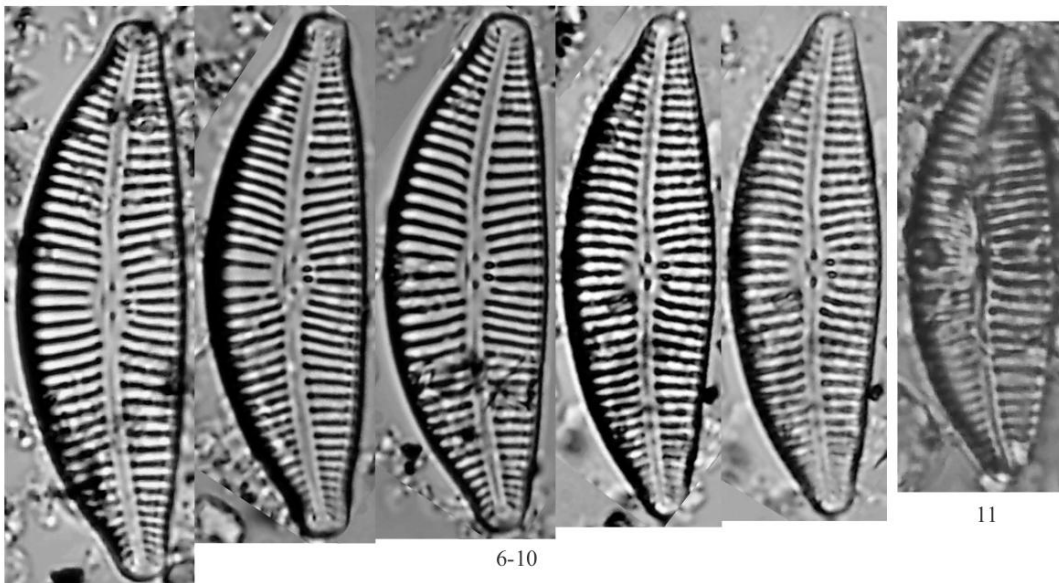
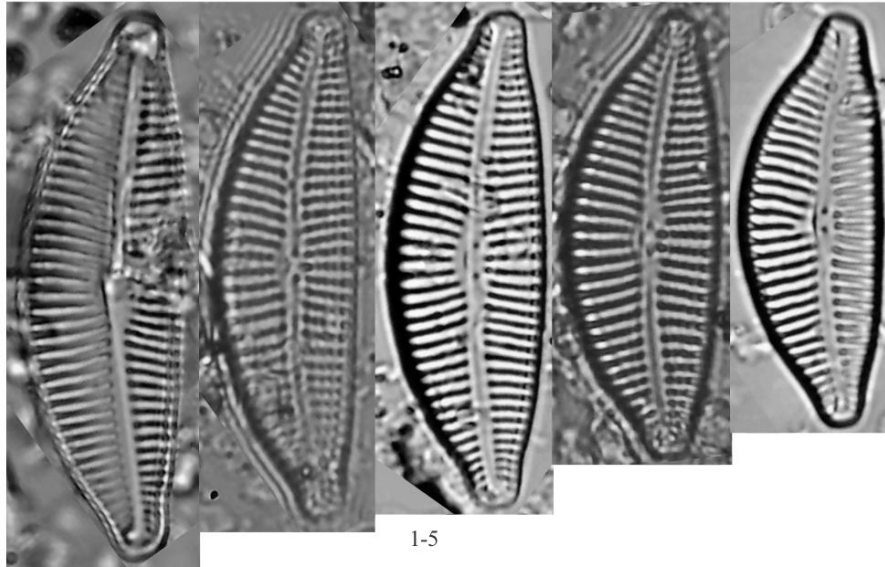
1-6

7

1-6 *Gyrosigma obtusatum*; 7 *Pleurosigma* sp1



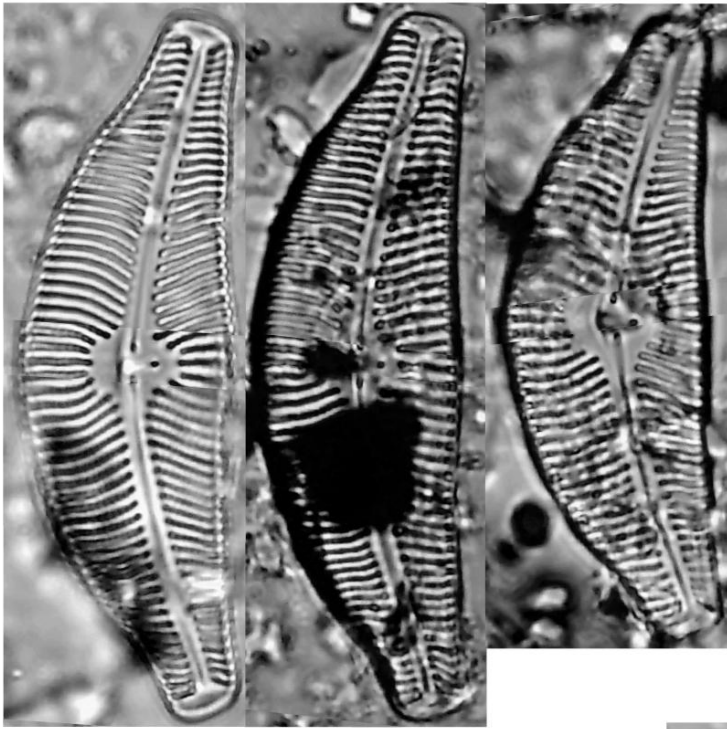
1 a-b *Gyrosigma* sp1; 2 *Amphora copulata*; 3-6 *Halamphora* sp1; 7 *Halamphora acutiuscula*; 8 *Halamphora* sp2; 9-13 *Halamphora montana*; 14 *Halamphora ghanensis*; 15 *Halamphora* sp3; 16-21 *Halamphora subfontinalis*;



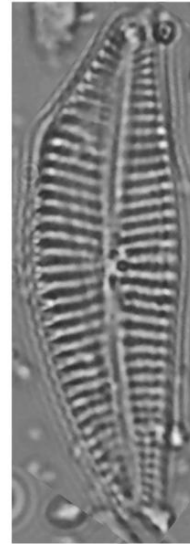
10µm

1-5 *Cymbella* aff. *turgidula* var. *bengalensis*; 6-10 *Cymbella* cf. *turgidula*; 11 *Cymbella* sp2

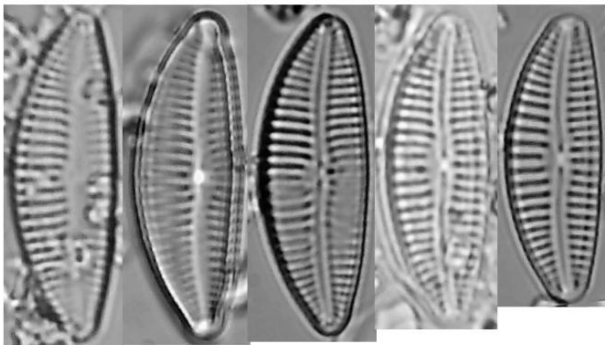
PLATE 24



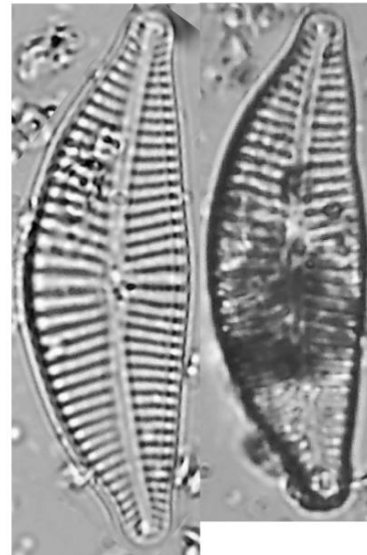
1-3



4

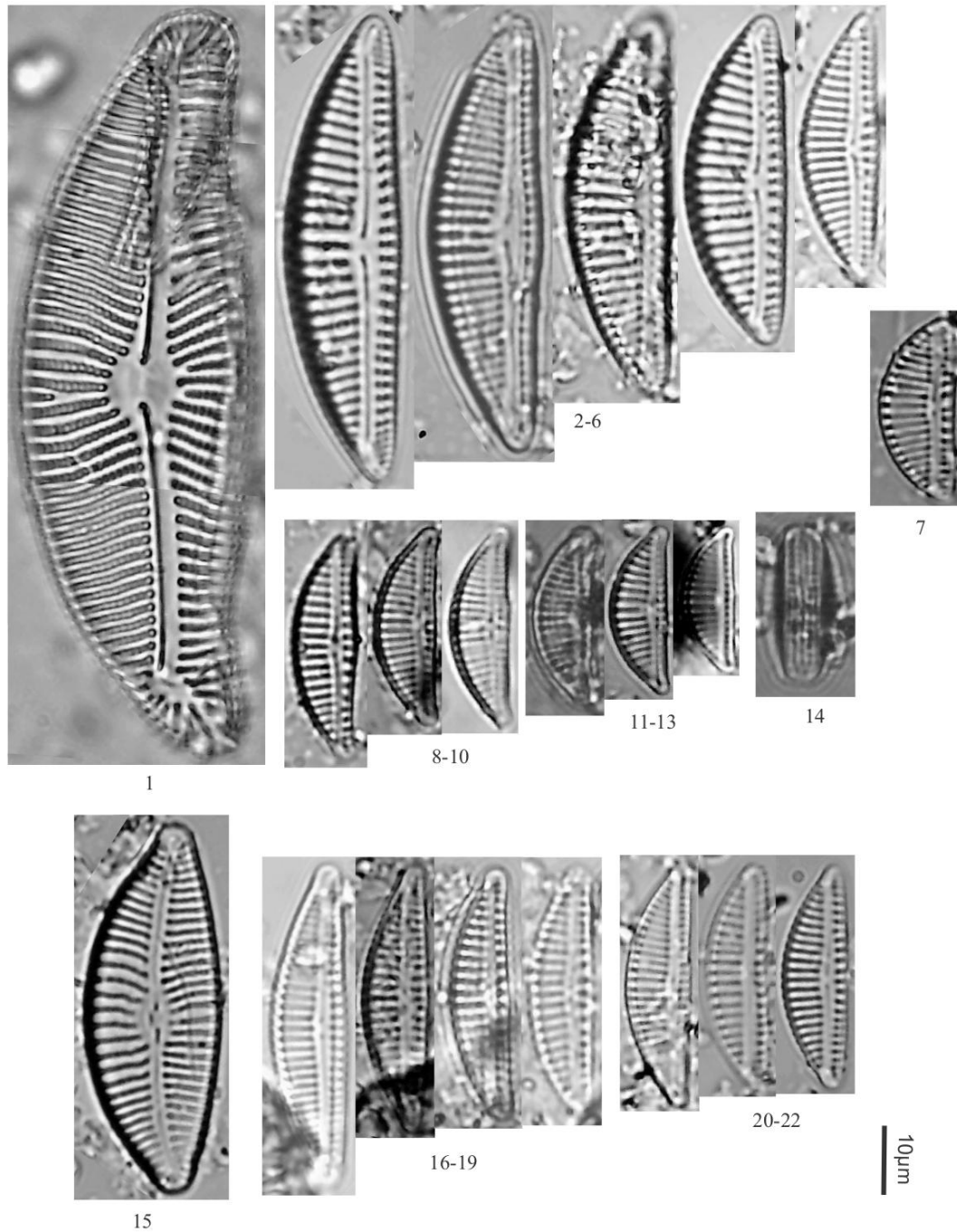


5-9

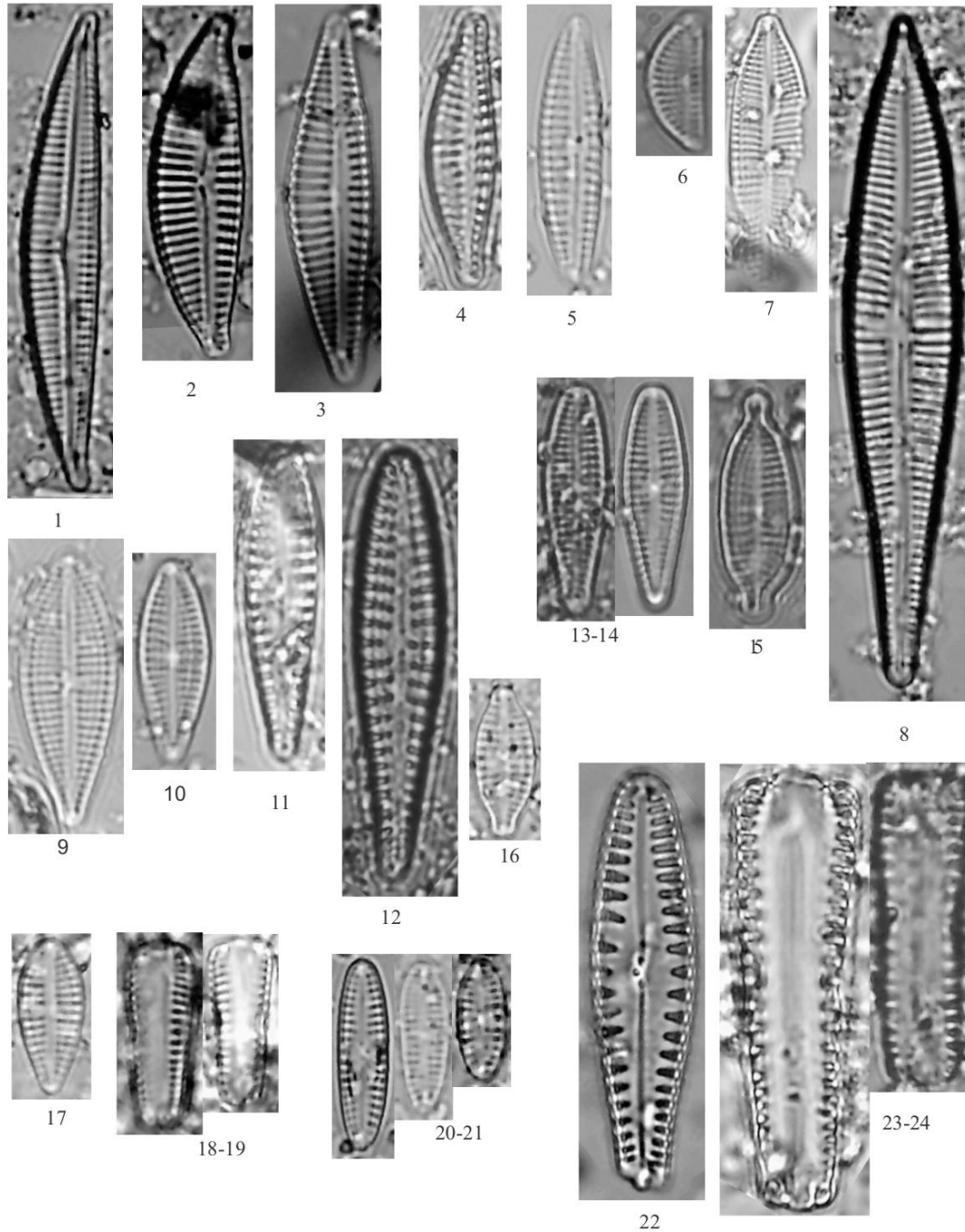


10-11

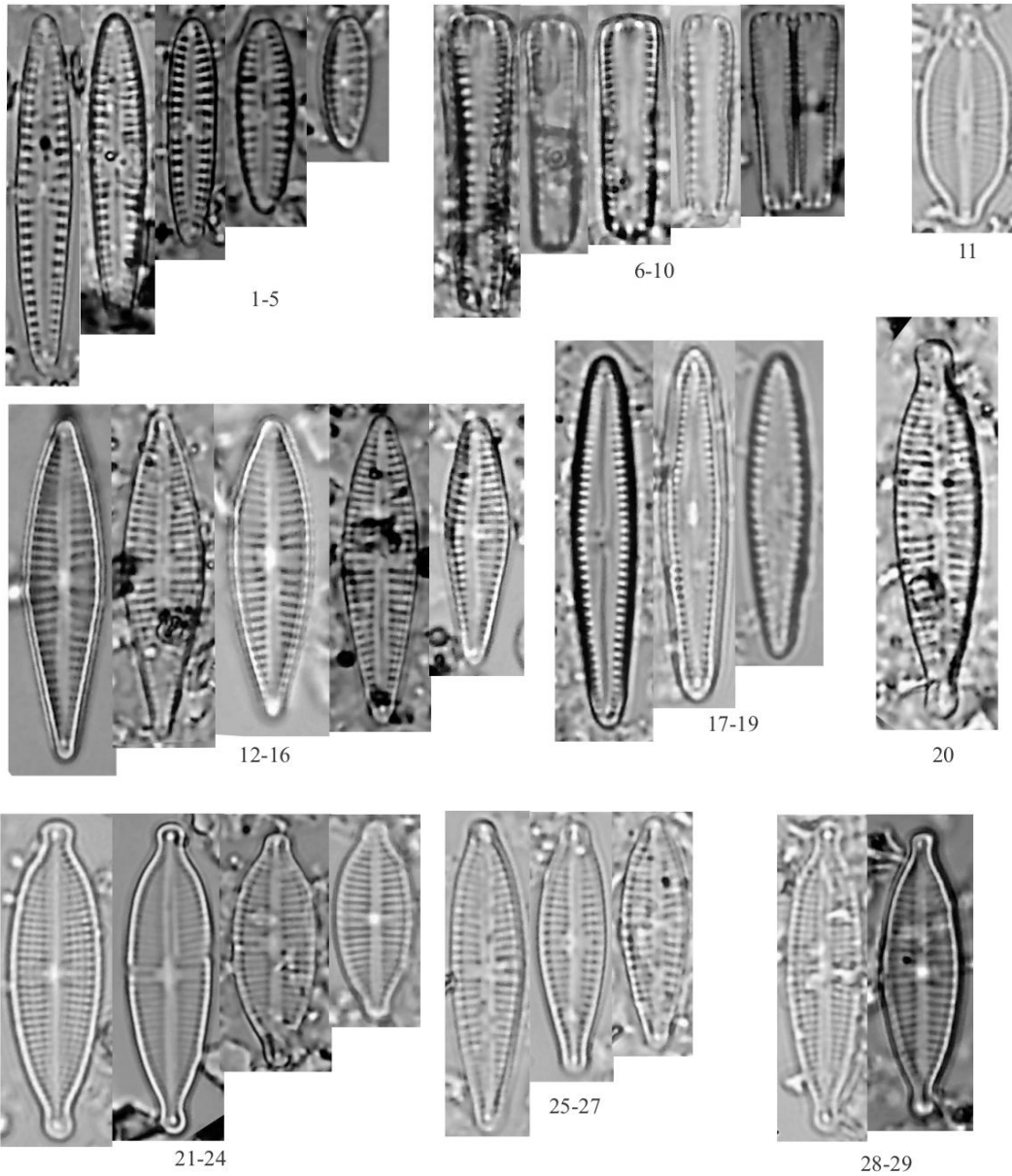
1-3 *Cymbella tumida*; 4 *Encyonema* sp1; 5-9 *Cymbella hustedtii* f. *stigmata*; 10-11 *Cymbella* sp1



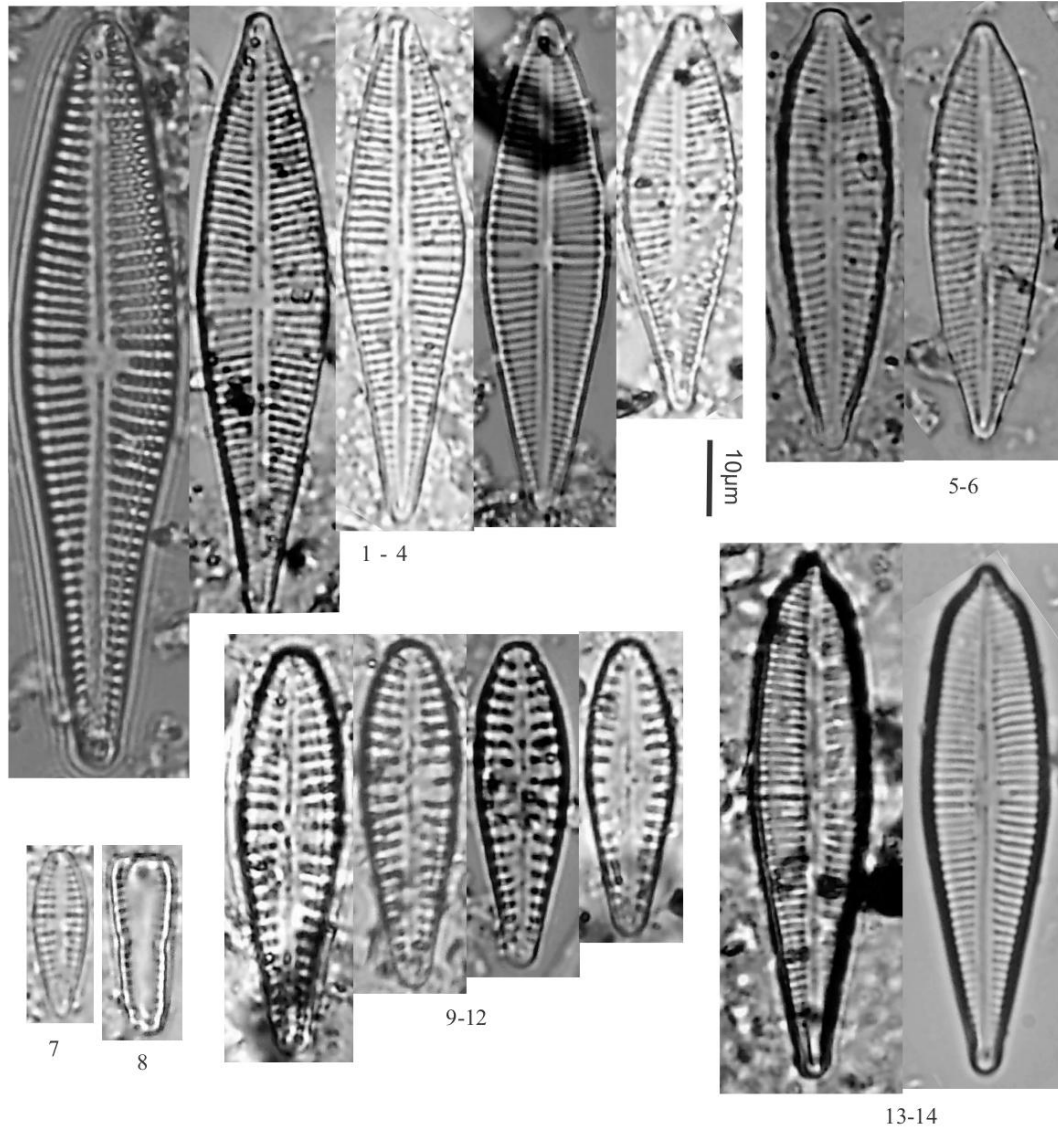
1 *Encyonema prostratum*; 2-6 *Encyonema vulgare*; 7 *Encyonema* sp2; 8-14 *Encyonema lange-bertalotii* (8-13 *VP*); 15 *Encyonema* sp3; 16-22 *Encyonema silesiacum*



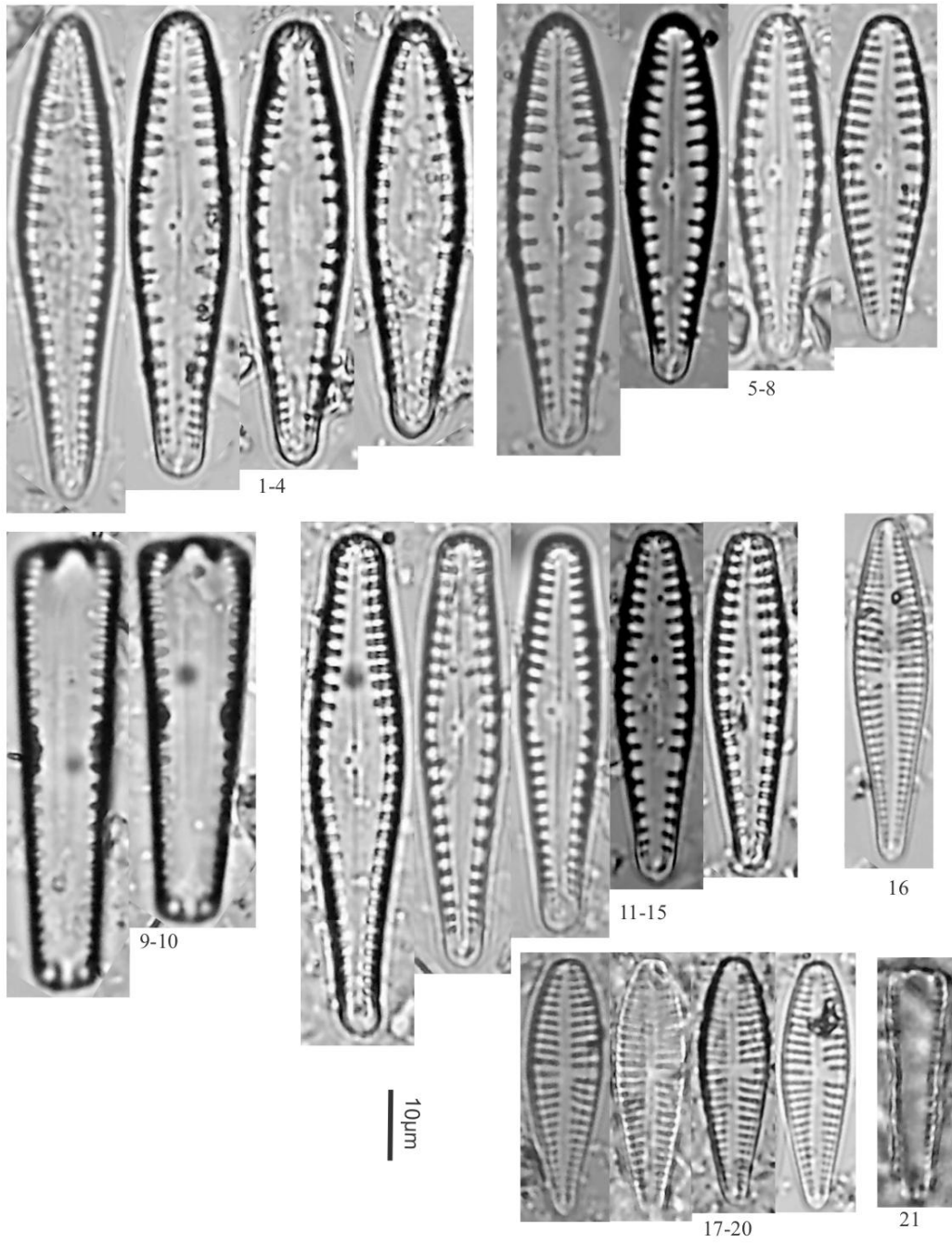
1 *Encyonema neogratile*; 2 *E. tropicum*; 3 *Encyonema* aff. *cascadensis*; 4 *Encyonema javanicum*; 5 *E. subnorvegicum*; 6 *E. minutum*; 7 *Gomphonema* sp1; 8 *Gomphonema neoapiculatum*; 9 *Gomphonema* sp2; 10 *Gomphonema* sp3; 11 *Gomphonema* sp4; 12 *Gomphonema* sp5; 13-14 *Gomphonema* sp6; 15 *Gomphonema* sp7; 16 *Gomphonema* sp8; 17-19 *Gomphonema* sp9 (17 VV) (18-19 VP); 20-21 *G. capsulare*; 22-24 *Gomphonema* sp10 (22 VV) (23-24 VP)



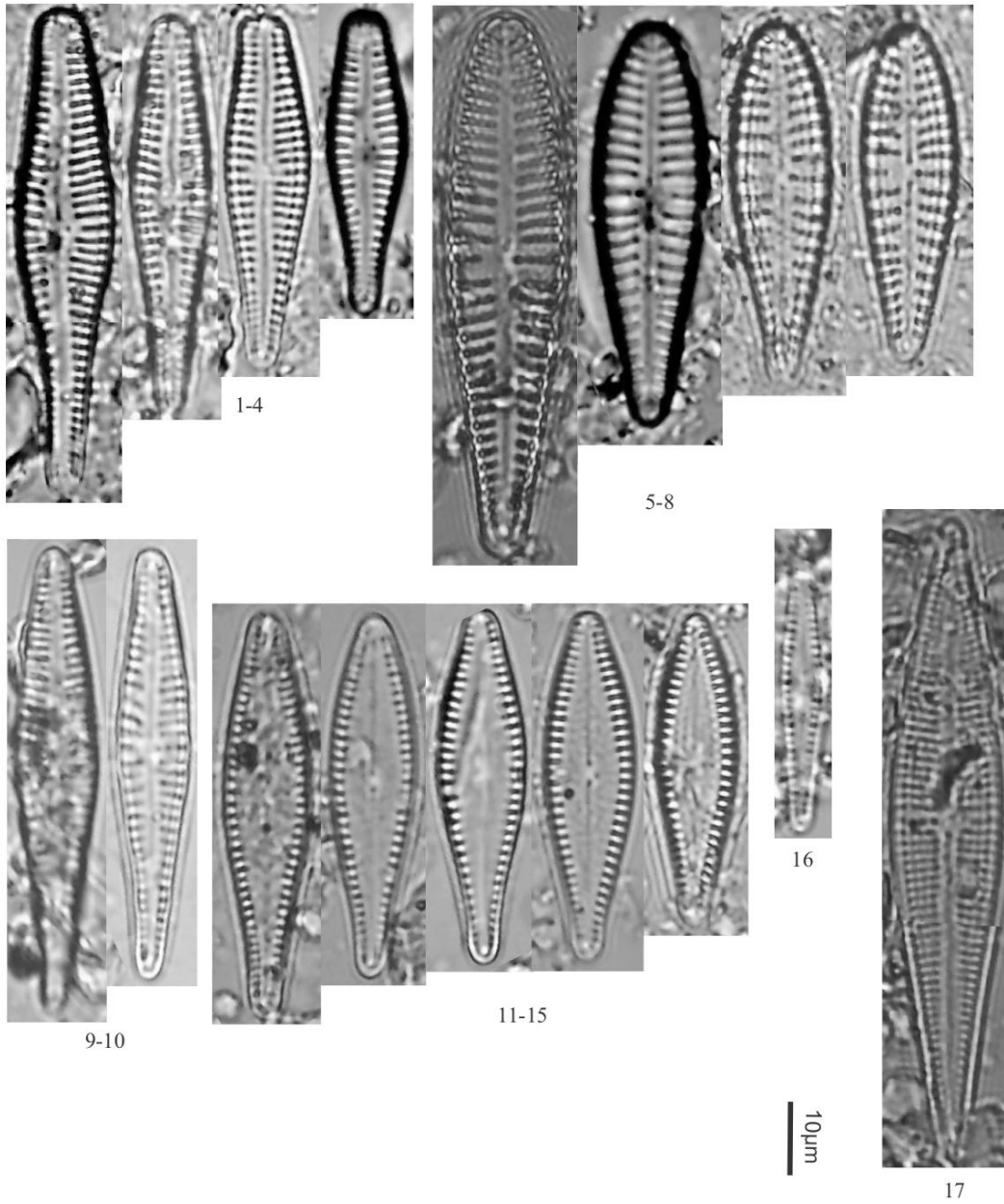
1-10 *Gomphonema pumilum* var. *rigidum* (1-5 VV) (6-10 VP); 11 *Ctraticula accomodiformis*; 12-16 *G. acidoclinatum*; 17-19 *Gomphonema* cf. *caperatum*; 20 *Gomphonema productum*; 21-27 *G. parvulum*; 28-29 *G. lagenula*;



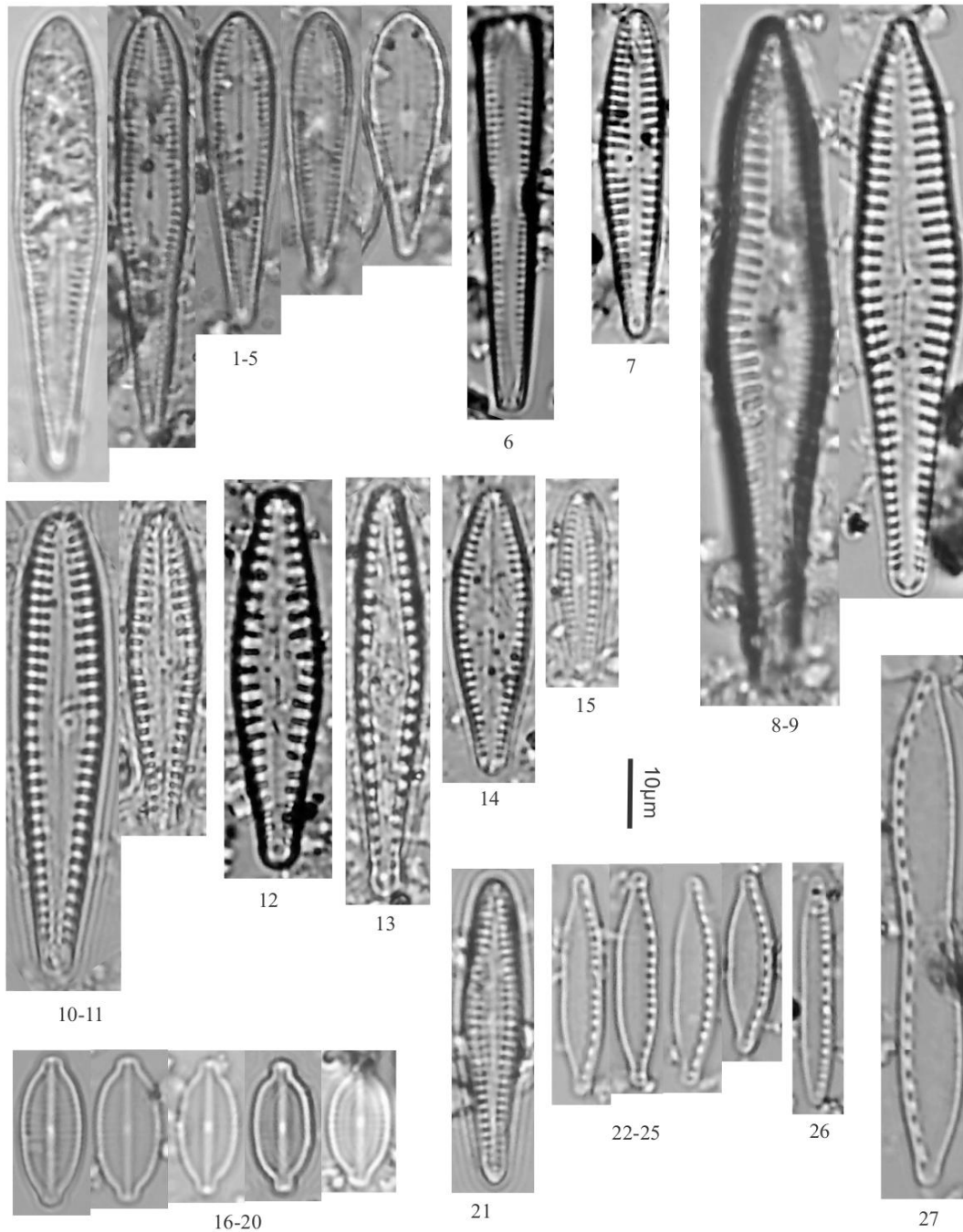
1-4 *Gomphonema affine*; 5-6 *G. psuedoaugur*; 7-8 *G. clavatoides* (7 VV) (8 VP); 9-12 *G. daphnoides*; 13-14 *G. turris*;



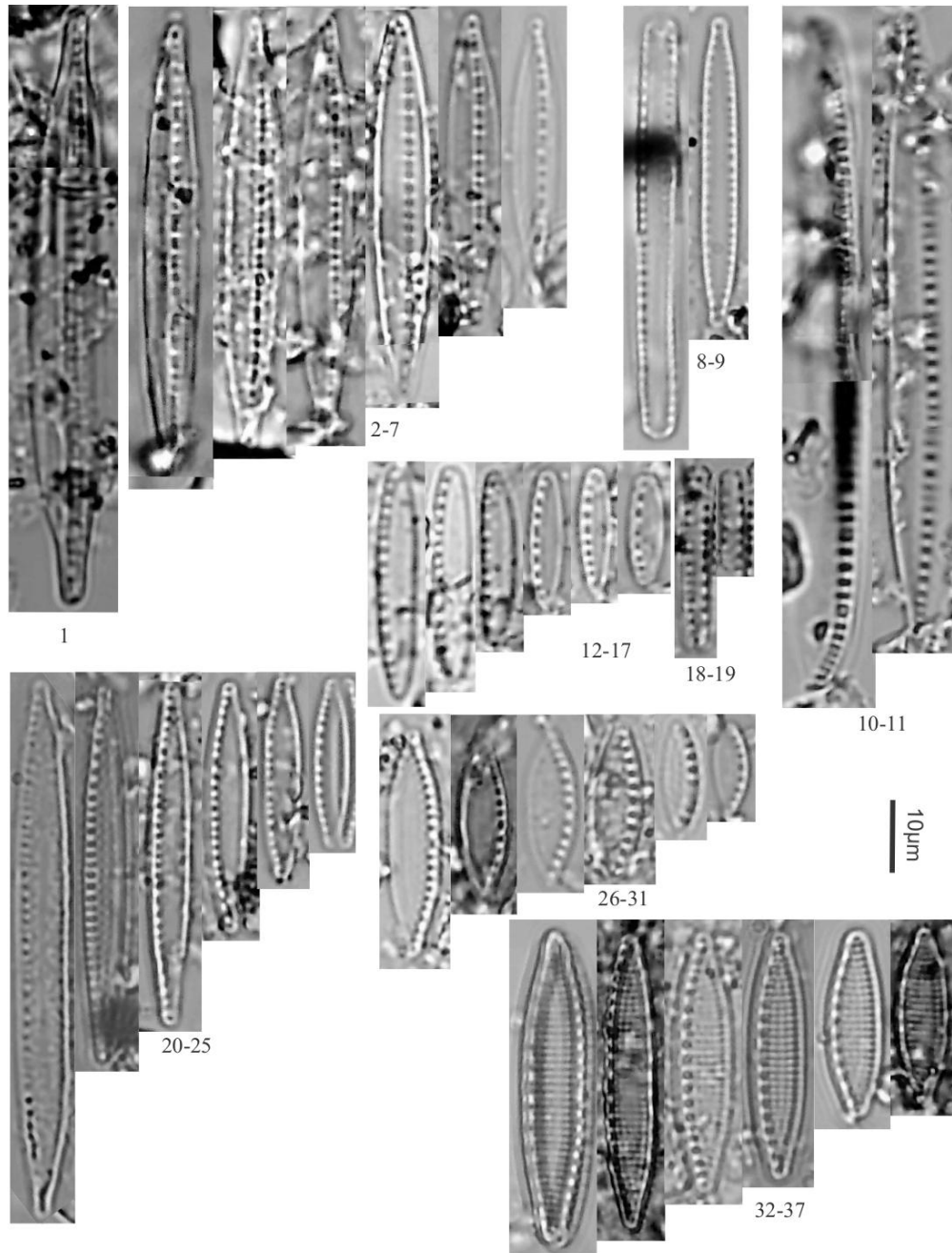
1-10 *Gomphonema costei* (1-8 VV) (8-9 VP); 11-15 *G. clavatum*; 16-21 *G. affine* (16-20 VV) (21 VP)



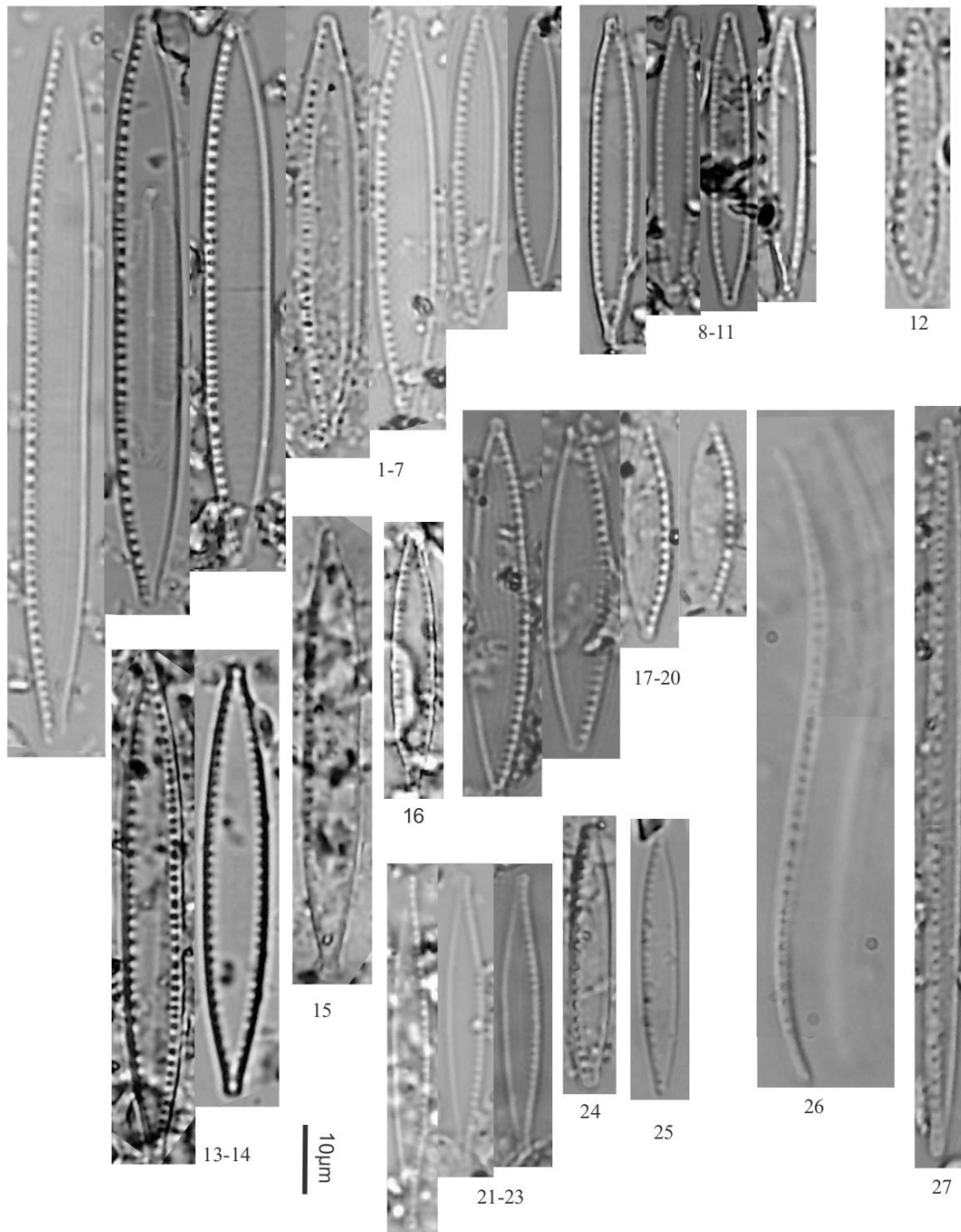
1-4 *Gomphonema subclavatum*; 5-8 *Gomphonema* cf. *doonense*; 9-10 *G. angustatum*; 11-15 *Gomphonema* cf. *entolejum*; 16 *G. bohemicum*; 17 *G. perapicatum*



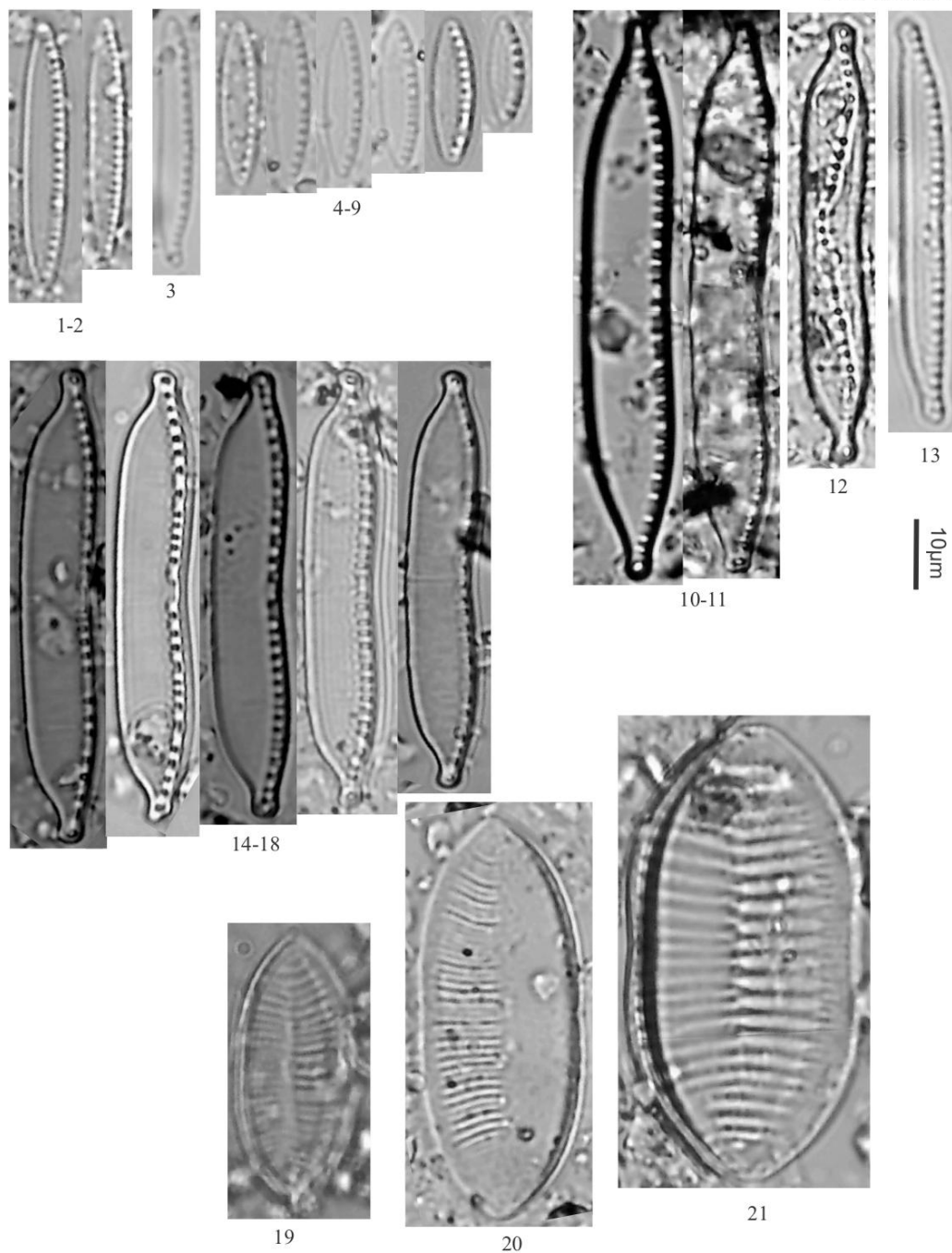
1-6 *Gomphosphenia grovei* var. *lingulata* (1-5 VV) (6 VP); 7 *Gomphonema jergackianum*; 8-9 *G. butantanum*; 10-11 *Gomphonema* aff. *inaequilongum*; 12 *Gomphonema* aff. *galilae*; 13 *Gomphonema* sp12; 14 *Gomphonema brasiliensis*; 15 *Gomphonema* sp13; 16-20 *Naviculadicta nanogomphonema*; 21 *Gomphonema* sp11; 22-25 *Nitzschia perminuta*; 26 *Nitzschia acidoclinata*; 27 *Nitzschia brevissima*



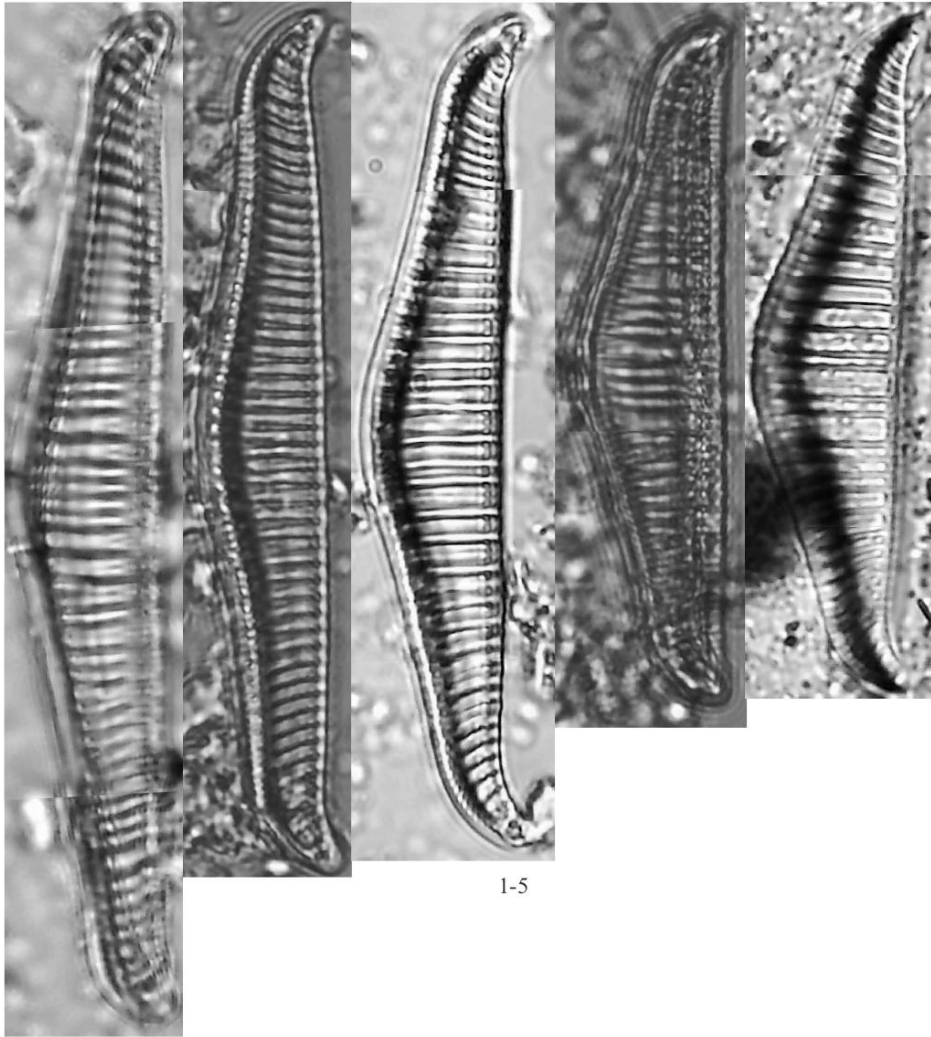
1 *Nitzschia oligotraphenta*; 2-7 *N. dissipata*; 8-9 *N. paleaeformis* (5 VP) (6 VV); 10-11 *N. linearis*; 12-19 *N. soratensis* (12-17 VV) (18-19 VP); 20-25 *N. paleacea*; 26-31 *N. rosenstockii*; 32-37 *N. amphibia*



1-7 *Nitzschia palea*; 8-11 *N. palea* var. *tenuirostris*; 12 *N. scalpelliformes*; 13-14 *N. sublinearis*; 15 *Nitzschia* sp1; 16 *Nitzschia* sp2; 17-20 *Nitzschia* sp3; 21-23 *Nitzschia* sp4 (*exilis*); 24 *Nitzschia* sp5; 25 *Nitzschia* sp6; 26 *N. sigma*; 27 *Nitzschia* sp9



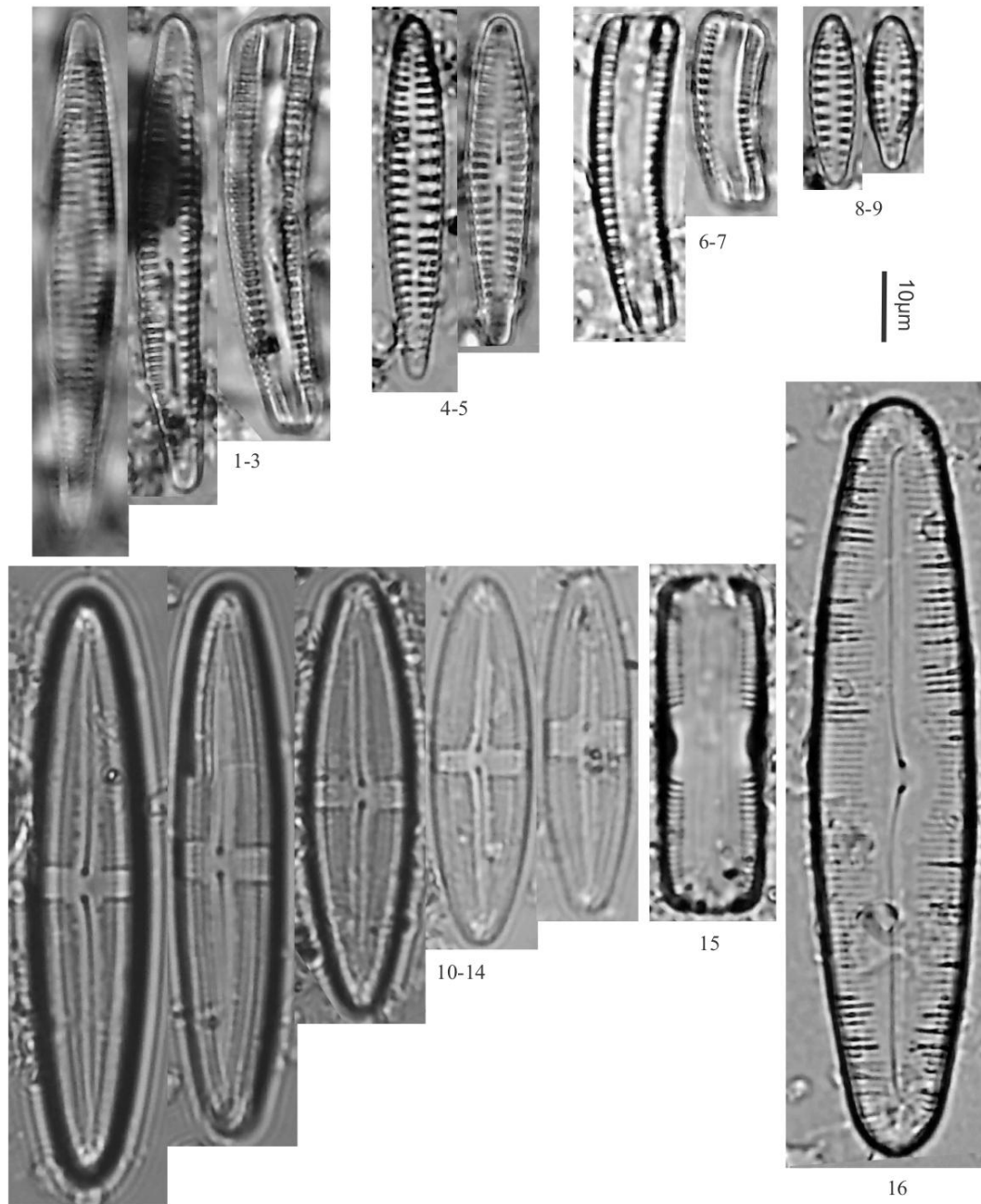
1-2 *Nitzschia* sp7; 3 *Nitzschia* sp8; 4-9 *N. frustulum*; 10-11 *Hantzschia abundans*; 12 *Hantzschia* sp1; 13 *Hantzschia* sp2; 14-18 *H. amphioxys*; 19 *Tryblionella levidensis*; 20 *T. perversa*; 21 *Nitzschia levidensis* var. *maxima*



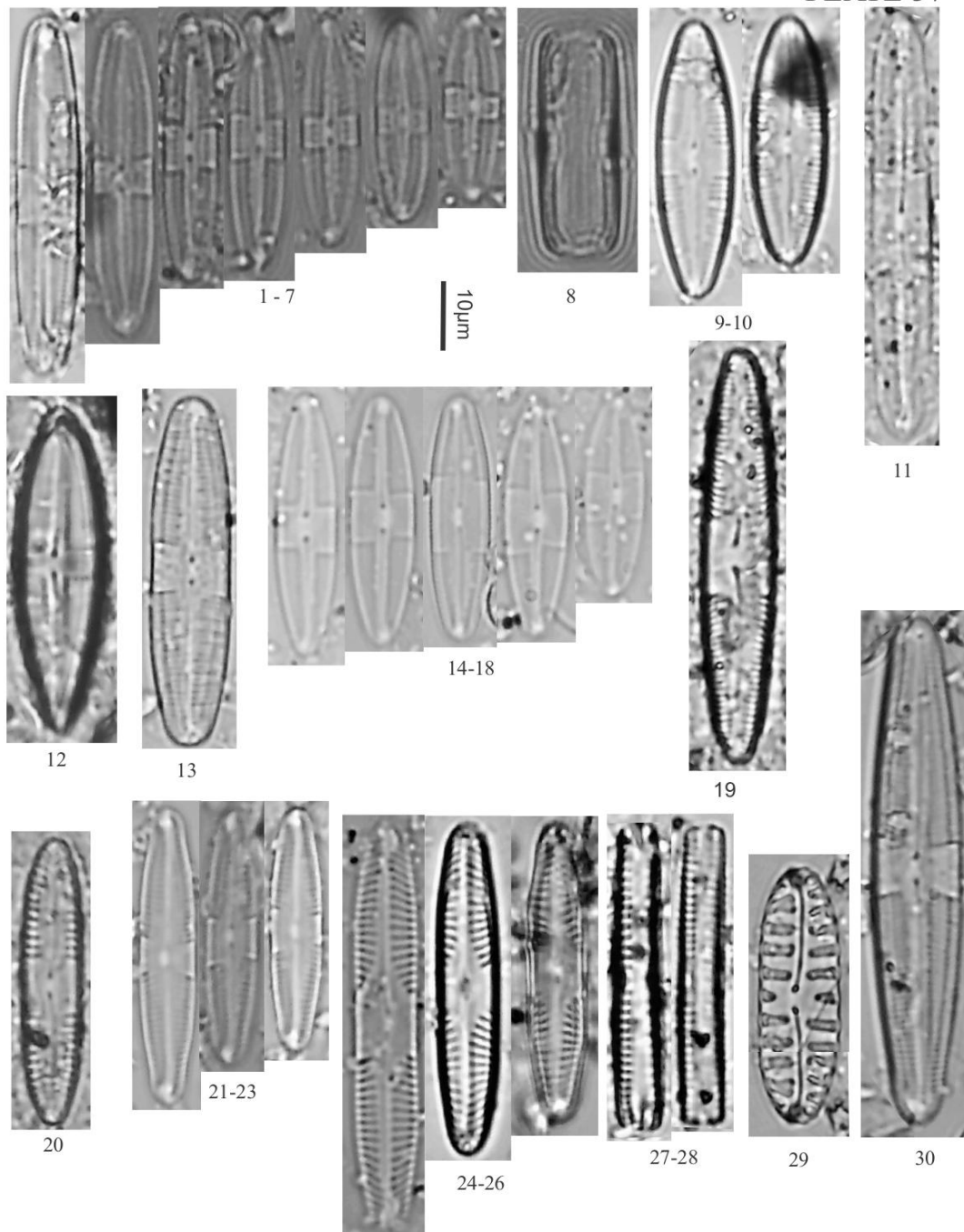
1-5

10µm

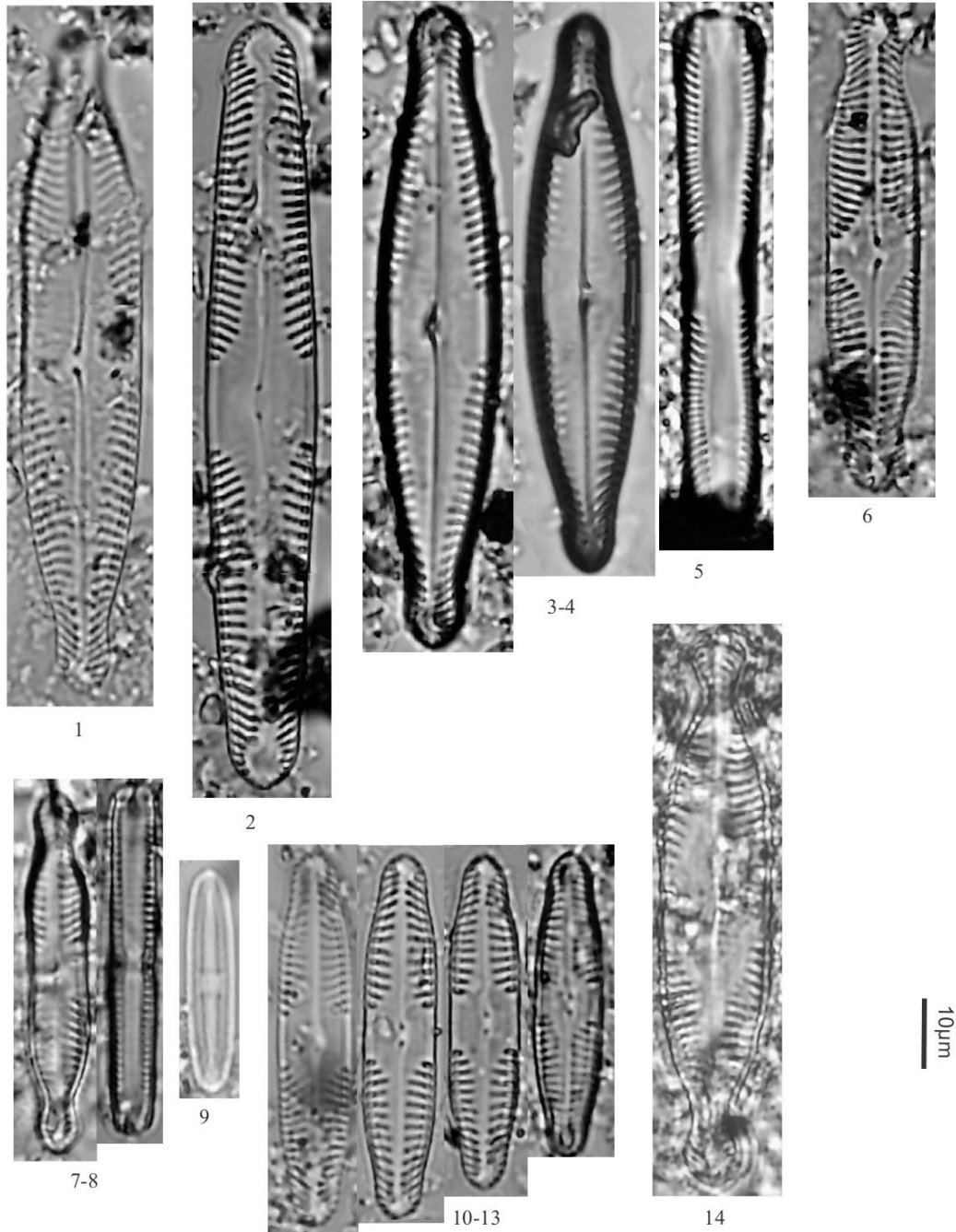
1-5 *Rhopaodia gibba*



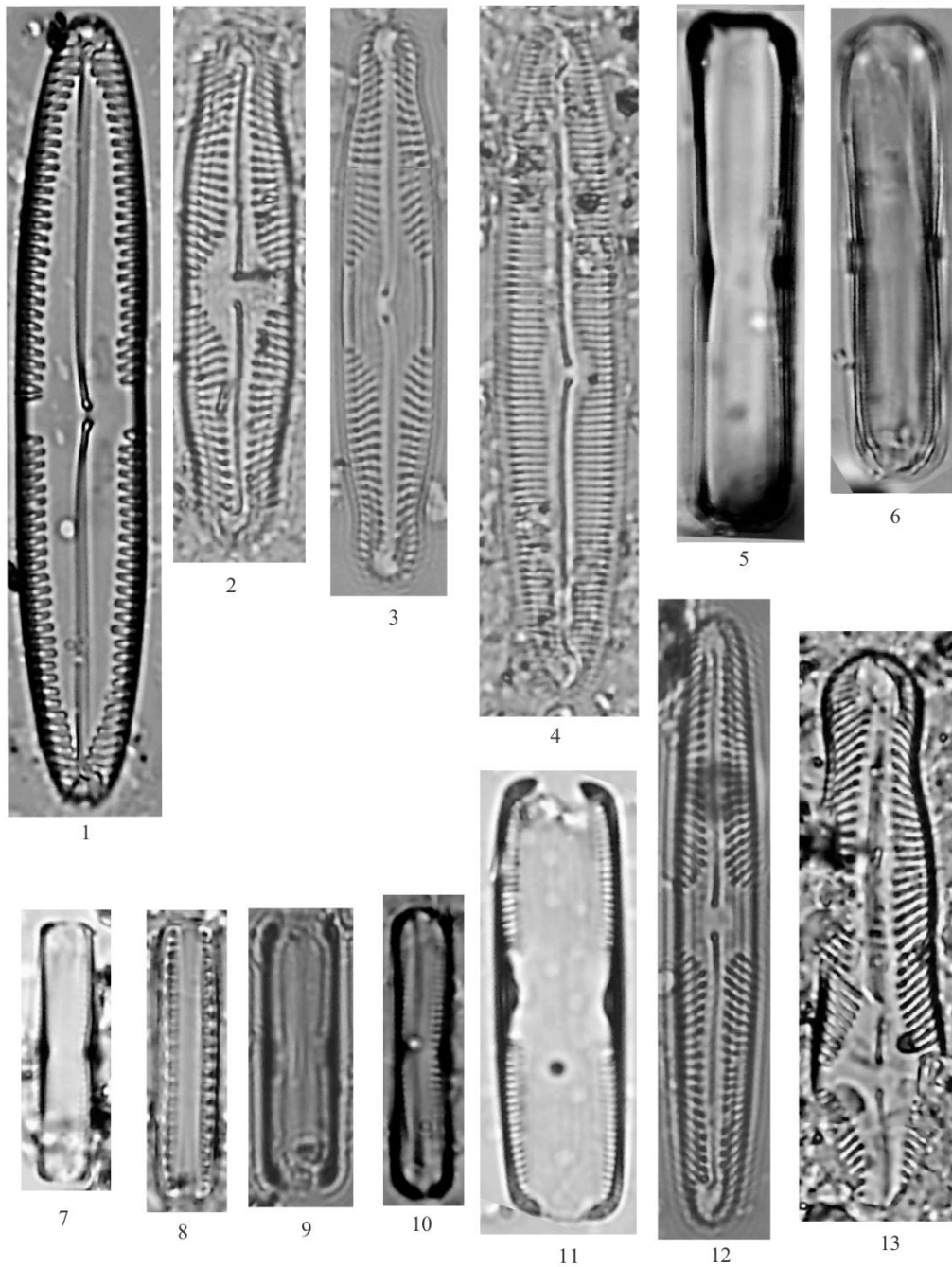
1-9 *Rhoicospenia abbreviata* (1,2,4,5,8,9 VV) (3,6,7 VP); 10-15 *Caloneis* sp1 (10-14 VV) (15 VP); 16 *Caloneis alpestris*



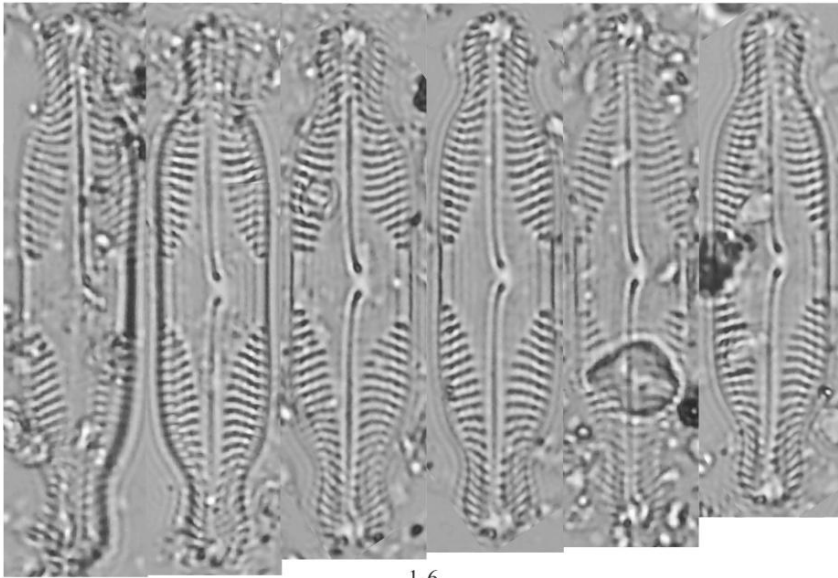
1-8 *Caloneis bacillum* (1-7 VV) (8 VP); 9-10 *Caloneis* cf. *bacillum*; 11 *Caloneis* cf. *clevei*; 12 *Caloneis* sp2; 13 *C. molaris*; 14-18 *C. hyalina*; 19 *Pinnularia* cf. *odiosa*; 20 *P. altiplanensis*; 21-23 *P. schoenfelderi*; 24-28 *P. microstauron* var. *angusta* (24-26 VV) (27-28 VP); 29 *P. borealis*; 30 *P. cf. incrassata*



1 *Pinnularia microstauron* var. *brasiliensis*; 2 *P. gibba*; 3-5 *P. egregia* (3-4 *VV*) (5 *VP*); 6 *P. interrupta*; 7-8 *P. rumrichae* (7 *VV*) (8 *VP*); 9 *Caloneis* sp3; 10-13 *P. divergens*; 14 *Pinnularia* cf. *latarea*



1 *Pinnularia acuminata* var. *novazealandica*; 2 *P. microstauron*; 3 *P. subgibba*; 4 *P. viridiformis*; 5 *Pinnularia* sp1; 6 *Pinnularia* sp2; 7 *Pinnularia* sp3; 8 *Pinnularia* sp4; 9 *Pinnularia* sp5; 10 *Pinnularia* sp6; 11 *Pinnularia* sp7; 12 *P. stomatophora*; 13 *P. graciloides* var. *rumrichae*



1-6



7



8

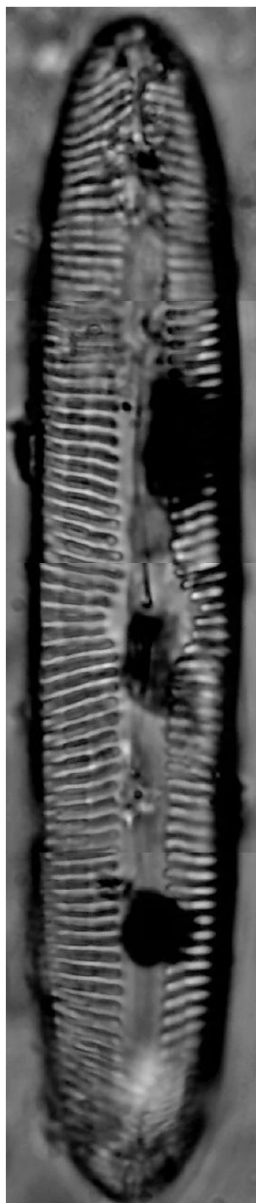


9



10

1-7 *Pinnularia rhombofasciata* (1-6 VV) (7 VP); 8 *Pinnularia aff. backebergii*; 9 *Pinnularia conica*; 10 *Pinnularia sp8*



1

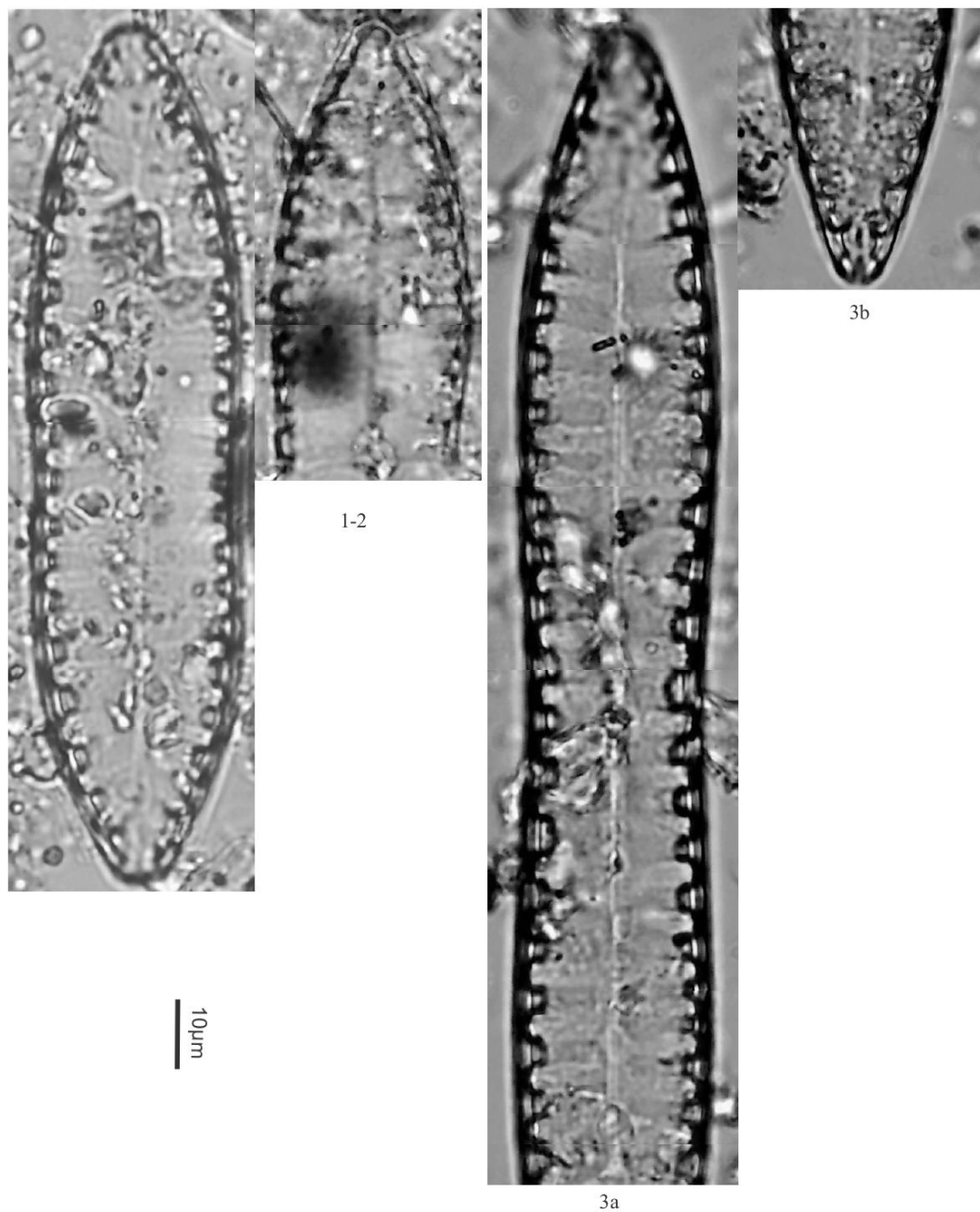


2

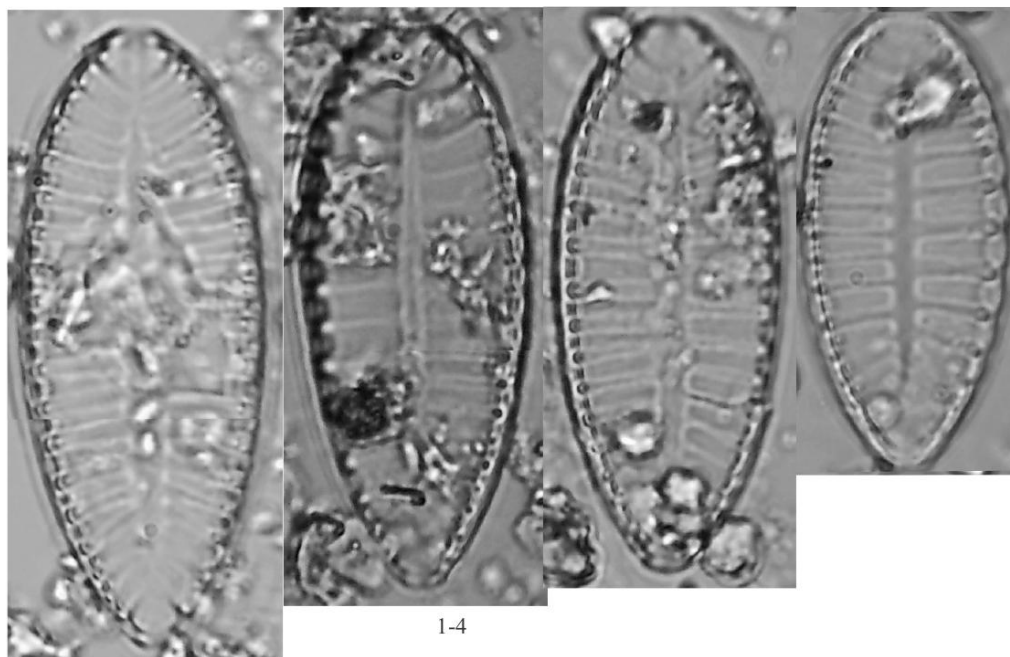


3-4

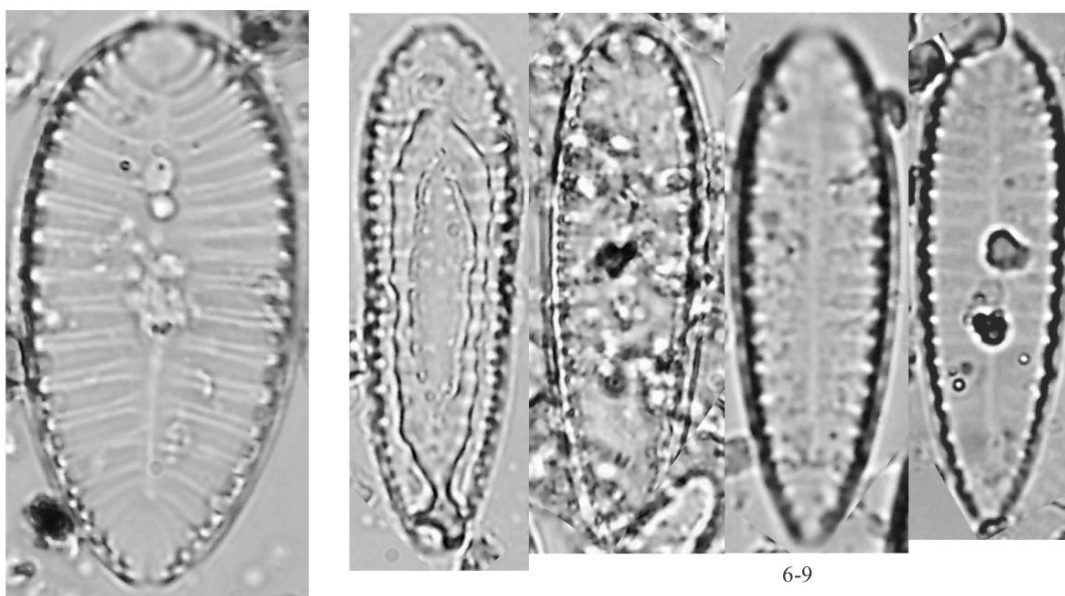
1 *Pinnularia viridis*; 2 *P. major*; 3-4 *P. acrosphaeria*;



1-2 *Surirella* aff. *engleri* var. *constricta*; 3 a-b *Surirella engleri* var. *constricta*



1-4



6-9

5

1-5 *Surirella robusta*; 6-9 *S. tenera*

ANEXO 2

Tabla Lista de especies en el río Bermejo

N	Especies	Abundancia
1	<i>Achnanthes inflata</i>	80
2	<i>Achnanthes</i> sp1	1
3	<i>Achnanthes</i> sp2	1
4	<i>Achnanthes</i> sp3	2
5	<i>Achnanthidium anastasiae</i>	263
6	<i>Achnanthidium exiguum</i> var. <i>constrictum</i>	42
7	<i>Achnanthidium lusitanicum</i>	53
8	<i>Achnanthidium minutissimum</i>	36
9	<i>Achnanthidium</i> sp1	1
10	<i>Achnanthidium</i> sp2	1
11	<i>Achnanthidium</i> sp3	2
12	<i>Amphipleura</i> sp1	23
13	<i>Amphora copulata</i>	1
14	<i>Aulacoseira granulata</i>	2
15	<i>Brachysira neoexilis</i>	3
16	<i>Brachysira</i> sp1	1
17	<i>Caloneis alpestris</i>	1
18	<i>Caloneis bacillum</i>	198
19	<i>Caloneis</i> cf. <i>bacillum</i>	2
20	<i>Caloneis hyalina</i>	27
21	<i>Caloneis molaris</i>	2
22	<i>Caloneis</i> sp1	207
23	<i>Caloneis</i> sp2	1
24	<i>Caloneis</i> sp3	1
25	<i>Cavinula</i> sp1	1
26	<i>Cavinula</i> sp2	1
27	<i>Cocconeis euglypta</i>	8
28	<i>Cocconeis lineata</i>	9
29	<i>Cocconeis placentula</i> var. <i>euglypta</i>	26
30	<i>Cocconeis placentula</i> var. <i>lineata</i>	1
31	<i>Craticula accomodiformis</i>	2
32	<i>Cymbella</i> aff. <i>turgidula</i> var. <i>bengalensis</i>	109
33	<i>Cymbella</i> cf. <i>turgidula</i>	196
34	<i>Cymbella hustedtii</i> f. <i>stigmata</i>	67
35	<i>Cymbella</i> sp1	2
36	<i>Cymbella</i> sp2	1
37	<i>Cymbella tumida</i>	24
38	<i>Cymbella turgidula</i>	54
39	<i>Diadsmis andegavensis</i>	1
40	<i>Diadsmis confervacea</i>	47
41	<i>Diploneis</i> cf. <i>aokiensis</i>	1
42	<i>Diploneis kahlui</i>	100
43	<i>Diploneis krammeri</i>	23
44	<i>Diploneis ovalis</i>	3
45	<i>Diploneis subconstricta</i>	1
46	<i>Encyonema</i> aff. <i>cascadensis</i>	1
47	<i>Encyonema javanicum</i>	4
48	<i>Encyonema lange-bertalotii</i>	15
49	<i>Encyonema minutum</i>	5
50	<i>Encyonema neogracile</i>	1
51	<i>Encyonema prostratum</i>	1
52	<i>Encyonema silesiacum</i>	90
53	<i>Encyonema</i> sp1	1
54	<i>Encyonema</i> sp2	3
55	<i>Encyonema</i> sp3	1
56	<i>Encyonema subnorvegicum</i>	1
57	<i>Encyonema tropicum</i>	1
58	<i>Encyonema vulgare</i>	109
59	<i>Eolimna minima</i>	201
60	<i>Eunotia arcus</i>	6
61	<i>Eunotia bilunaris</i>	4
62	<i>Eunotia dacostae</i>	1
63	<i>Eunotia meridiana</i>	1
64	<i>Eunotia monodon</i>	5
65	<i>Eunotia pseudoparallelodes</i>	4
66	<i>Eunotia pseudosudetica</i>	16
67	<i>Eunotia</i> sp1	1
68	<i>Eunotia</i> sp2	1
69	<i>Eunotia</i> sp3	1
70	<i>Eunotia sudetica</i> var. <i>hamuranaensis</i>	1
71	<i>Fragilaria</i> cf. <i>tenera</i>	1
72	<i>Fragilaria pensilvanica</i>	1
73	<i>Fragilaria radians</i>	7
74	<i>Fragilaria recapitellata</i>	2
75	<i>Fragilaria</i> sp1	1
76	<i>Fragilaria vaucheriae</i>	10
77	<i>Fragilariforma javanica</i>	1

78	<i>Frankophila wayqechae</i>	1
79	<i>Frustulia neofrenguelli</i>	7
80	<i>Frustulia saxonica</i>	24
81	<i>Frustulia vulgaris</i>	60
82	<i>Geissleria cascadiensis</i>	33
83	<i>Geissleria decussis</i>	595
84	<i>Geissleria neotropica</i>	4
85	<i>Geissleria schmidiae</i>	181
86	<i>Gogorevia exilis</i>	12
87	<i>Gogorevia</i> sp1	1
88	<i>Gomphonema acidoclinatum</i>	17
89	<i>Gomphonema</i> aff. <i>galilae</i>	1
90	<i>Gomphonema</i> aff. <i>inaequilongum</i>	2
91	<i>Gomphonema affine</i>	43
92	<i>Gomphonema angustatum</i>	2
93	<i>Gomphonema bohemicum</i>	6
94	<i>Gomphonema brasiliensoides</i>	3
95	<i>Gomphonema butantanum</i>	3
96	<i>Gomphonema capsulare</i>	4
97	<i>Gomphonema</i> cf. <i>caperatum</i>	68
98	<i>Gomphonema</i> cf. <i>doonense</i>	5
99	<i>Gomphonema</i> cf. <i>entolejum</i>	14
100	<i>Gomphonema</i> cf. <i>kobayashiae</i>	1
101	<i>Gomphonema clavatoides</i>	2
102	<i>Gomphonema clavatum</i>	30
103	<i>Gomphonema costei</i>	166
104	<i>Gomphonema daphnoides</i>	10
105	<i>Gomphonema grovei</i> var. <i>lingulata</i>	1
106	<i>Gomphonema jergackianum</i>	2
107	<i>Gomphonema lagenula</i>	12
108	<i>Gomphonema microstrauron</i> var. <i>brasiliensis</i>	1
109	<i>Gomphonema neoapiculatum</i>	1
110	<i>Gomphonema parvulum</i>	234
111	<i>Gomphonema parvulum</i> f. <i>saprophilum</i>	1
112	<i>Gomphonema parvulum</i> var. <i>rigidum</i>	2
113	<i>Gomphonema perapicatum</i>	5
114	<i>Gomphonema productum</i>	1
115	<i>Gomphonema pseudoaugur</i>	10
116	<i>Gomphonema pumilum</i> var. <i>rigidum</i>	103
117	<i>Gomphonema</i> sp1	1
118	<i>Gomphonema</i> sp2	1
119	<i>Gomphonema</i> sp3	1
120	<i>Gomphonema</i> sp4	1
121	<i>Gomphonema</i> sp5	5
122	<i>Gomphonema</i> sp6	11
123	<i>Gomphonema</i> sp7	1
124	<i>Gomphonema</i> sp8	1
125	<i>Gomphonema</i> sp9	4
126	<i>Gomphonema</i> sp10	4
127	<i>Gomphonema</i> sp11	1
128	<i>Gomphonema</i> sp12	1
129	<i>Gomphonema</i> sp13	1
130	<i>Gomphonema subclavatum</i>	7
131	<i>Gomphonema turris</i>	3
132	<i>Gomphosphenia grovei</i> var. <i>lingulata</i>	10
133	<i>Girosigma obtusatum</i>	259
134	<i>Gyrosigma</i> sp1	1
135	<i>Halamphora acutiuscula</i>	1
136	<i>Halamphora ghanensis</i>	1
137	<i>Halamphora montana</i>	30
138	<i>Halamphora</i> sp1	12
139	<i>Halamphora</i> sp2	2
140	<i>Halamphora</i> sp3	1
141	<i>Halamphora subfontinalis</i>	29
142	<i>Hannaea arcus</i>	7
143	<i>Hantzschia abundans</i>	2
144	<i>Hantzschia amphioxys</i>	51
145	<i>Hantzschia</i> sp1	1
146	<i>Hantzschia</i> sp2	2
147	<i>Humidophila arcuatooides</i>	3
148	<i>Humidophila contenta</i>	264
149	<i>Humidophila laevisima</i>	1
150	<i>Humidophila pantropica</i>	1
151	<i>Humidophila</i> sp1	1
152	<i>Kobayasiella parasubtilissima</i>	398
153	<i>Kobayasiella</i> sp1	1
154	<i>Lemnicola hungarica</i>	1
155	<i>Luticola aequatorialis</i>	1
156	<i>Luticola</i> aff. <i>goeppertiana</i>	19
157	<i>Luticola frenguelli</i>	4
158	<i>Luticola goeppertiana</i>	1085
159	<i>Luticola monita</i>	2
160	<i>Luticola muticoides</i>	5
161	<i>Luticola permuticoides</i>	30

162	<i>Luticola plausibilis</i>	4
163	<i>Luticola simplex</i>	103
164	<i>Luticola</i> sp1	1
165	<i>Luticola</i> sp2	1
166	<i>Navicula adamsi</i>	4
167	<i>Navicula amphiceropsis</i>	81
168	<i>Navicula angusta</i>	5
169	<i>Navicula arvensis</i> var. <i>dubia</i>	1
170	<i>Navicula cari</i>	1
171	<i>Navicula</i> cf. <i>fossilioides</i>	9
172	<i>Navicula collersonii</i>	3
173	<i>Navicula cryptocephala</i>	181
174	<i>Navicula cryptotenella</i>	362
175	<i>Navicula eichorniophila</i>	3
176	<i>Navicula erifuga</i>	776
177	<i>Navicula escambia</i>	171
178	<i>Navicula faceta</i>	5
179	<i>Navicula germainii</i>	45
180	<i>Navicula goeppertiana</i>	1
181	<i>Navicula gregaria</i>	39
182	<i>Navicula jacobii</i>	145
183	<i>Navicula lanceolata</i>	85
184	<i>Navicula longicephala</i>	9
185	<i>Navicula radiosa</i>	14
186	<i>Navicula recens</i>	2
187	<i>Navicula rhychocephala</i>	1
188	<i>Navicula rostellata</i>	202
189	<i>Navicula</i> sp1	1
190	<i>Navicula</i> sp2	1
191	<i>Navicula</i> sp3	1
192	<i>Navicula</i> sp4	1
193	<i>Navicula</i> sp5	1
194	<i>Navicula</i> sp6	1
195	<i>Navicula</i> sp7	2
196	<i>Navicula supergregaria</i>	1
197	<i>Navicula symmetrica</i>	9
198	<i>Navicula tripunctata</i>	8
199	<i>Navicula ungavae</i>	34
200	<i>Naviculadicta nanogomphonema</i>	223
201	<i>Nitzschia acidoclinata</i>	1
202	<i>Nitzschia amphibia</i>	108
203	<i>Nitzschia brevestima</i>	1
204	<i>Nitzschia dissipata</i>	61
205	<i>Nitzschia frustulum</i>	159
206	<i>Nitzschia levidensis</i> var. <i>maxima</i>	1
207	<i>Nitzschia linearis</i>	9
208	<i>Nitzschia oligotraphenta</i>	9
209	<i>Nitzschia palea</i>	183
210	<i>Nitzschia palea</i> var. <i>tenuirostris</i>	19
211	<i>Nitzschia paleacea</i>	76
212	<i>Nitzschia paleaformis</i>	3
213	<i>Nitzschia perminuta</i>	30
214	<i>Nitzschia rosenstockii</i>	24
215	<i>Nitzschia scalpelliformis</i>	2
216	<i>Nitzschia sigma</i>	1
217	<i>Nitzschia soratensis</i>	52
218	<i>Nitzschia</i> sp1	1
219	<i>Nitzschia</i> sp2	1
220	<i>Nitzschia</i> sp3	8
221	<i>Nitzschia</i> sp4	3
222	<i>Nitzschia</i> sp5	1
223	<i>Nitzschia</i> sp6	1
224	<i>Nitzschia</i> sp7	3
225	<i>Nitzschia</i> sp8	1
226	<i>Nitzschia</i> sp9	1
227	<i>Nitzschia sublinearis</i>	2
228	<i>Nitzschia symmetrica</i>	1
229	<i>Nupela deformis</i>	12
230	<i>Nupela</i> sp1	1
231	<i>Orthoseira roeseana</i>	1
232	<i>Pinnularia microstauron</i>	1
233	<i>Pinnularia acrosphaeria</i>	2
234	<i>Pinnularia acuminata</i> var. <i>novazealandica</i>	1
235	<i>Pinnularia</i> aff. <i>backebergii</i>	1
236	<i>Pinnularia altiplanensis</i>	1
237	<i>Pinnularia borealis</i>	1
238	<i>Pinnularia</i> cf. <i>clevei</i>	1
239	<i>Pinnularia</i> cf. <i>incrassata</i>	1
240	<i>Pinnularia</i> cf. <i>latarea</i>	2
241	<i>Pinnularia</i> cf. <i>odiosa</i>	1
242	<i>Pinnularia conica</i>	2
243	<i>Pinnularia divergens</i>	6
244	<i>Pinnularia egregia</i>	6
245	<i>Pinnularia gibba</i>	2

246	<i>Pinnularia graciloides</i> var. <i>rumrichae</i>	1
247	<i>Pinnularia interrupta</i>	4
248	<i>Pinnularia major</i>	1
249	<i>Pinnularia microstauron</i>	2
250	<i>Pinnularia microstauron</i> var. <i>angusta</i>	16
251	<i>Pinnularia microstauron</i> var. <i>brasiliensis</i>	1
252	<i>Pinnularia rhombofasciata</i>	15
253	<i>Pinnularia rumrichae</i>	2
254	<i>Pinnularia schoenfelderi</i>	3
255	<i>Pinnularia</i> sp1	1
256	<i>Pinnularia</i> sp2	1
257	<i>Pinnularia</i> sp3	1
258	<i>Pinnularia</i> sp4	5
259	<i>Pinnularia</i> sp5	1
260	<i>Pinnularia</i> sp6	1
261	<i>Pinnularia</i> sp7	1
262	<i>Pinnularia</i> sp8	1
263	<i>Pinnularia stomatophora</i>	1
264	<i>Pinnularia subgibba</i>	2
265	<i>Pinnularia viridiformis</i>	33
266	<i>Pinnularia viridis</i>	1
267	<i>Placoneis elginensis</i>	8
268	<i>Placoneis molestissima</i>	5
269	<i>Planothidium frequentissimum</i>	5
270	<i>Planothidium hauckianum</i>	24
271	<i>Planothidium lagerheimii</i>	1
272	<i>Planothidium lanceolatum</i>	19
273	<i>Platessa saxonica</i>	2
274	<i>Pleurosigma</i> sp1	1
275	<i>Psammonthidium hustedtii</i>	3
276	<i>Reimeria sinuata</i>	12
277	<i>Rhoicosphenia abbreviata</i>	290
278	<i>Rhopalodia gibba</i>	26
279	<i>Rhopalodia gibberula</i>	64
280	<i>Rhopalodia musculus</i>	35
281	<i>Selaphora pupula</i>	1
282	<i>Sellaphora</i> aff. <i>pseudopupula</i>	1
283	<i>Sellaphora arvensis</i>	11
284	<i>Sellaphora blackfordensis</i>	2
285	<i>Sellaphora laevis</i>	7
286	<i>Sellaphora obesa</i>	6
287	<i>Sellaphora pseudoarvensis</i>	92
288	<i>Sellaphora pseudopupula</i>	1
289	<i>Sellaphora pupula</i>	24
290	<i>Sellaphora rectangularis</i>	4
291	<i>Sellaphora</i> sp1	1
292	<i>Sellaphora</i> sp2	1
293	<i>Sellaphora</i> sp3	1
294	<i>Stauroneis acidobionta</i>	8
295	<i>Stauroneis adamsiana</i>	91
296	<i>Stauroneis amphicephala</i>	2
297	<i>Stauroneis</i> cf. <i>acidoclinata</i>	2
298	<i>Stauroneis conspicua</i>	6
299	<i>Stauroneis gracilis</i>	1
300	<i>Stauroneis kriegeri</i>	2
301	<i>Stauroneis reichardtii</i>	2
302	<i>Stauroneis</i> sp1	2
303	<i>Surirella</i> aff. <i>engleri</i> var. <i>constricta</i>	5
304	<i>Surirella engleri</i> var. <i>constricta</i>	1
305	<i>Surirella robusta</i>	21
306	<i>Surirella tenera</i>	16
307	<i>Synedra</i> aff. <i>jogensis</i>	1
308	<i>Tryblionella levidensis</i>	1
309	<i>Tryblionella perversa</i>	1
310	<i>Ulnaria acus</i>	1
311	<i>Ulnaria goulardii</i>	6
312	<i>Ulnaria lanceolata</i>	1
313	<i>Ulnaria ulna</i>	4
TOTAL		10318

Anexo 3

Tabla Nuevo registro de especies encontradas en el Ecuador

No	Especies
1	<i>Achnanthes</i> sp1
2	<i>Achnanthes</i> sp2
3	<i>Achnanthes</i> sp3
4	<i>Achnanthidium anastasiae</i>
5	<i>Achnanthidium exiguum</i> var. <i>constrictum</i>
6	<i>Achnanthidium lusitanicum</i>
7	<i>Achnanthidium</i> sp1
8	<i>Achnanthidium</i> sp2
9	<i>Achnanthidium</i> sp3
10	<i>Amphipleura</i> sp1
11	<i>Amphora copulata</i>
12	<i>Brachysira neoexilis</i>
13	<i>Brachysira</i> sp1
14	<i>Caloneis alpestris</i>
15	<i>Caloneis</i> cf. <i>bacillum</i>
16	<i>Caloneis hyalina</i>
17	<i>Caloneis molaris</i>
18	<i>Caloneis</i> sp1
19	<i>Caloneis</i> sp2
20	<i>Caloneis</i> sp3
21	<i>Cavinula</i> sp1
22	<i>Cavinula</i> sp2
23	<i>Cocconeis euglypta</i>
24	<i>Cocconeis lineata</i>
25	<i>Craticula accomodiformis</i>
26	<i>Cymbella</i> aff. <i>turgidula</i> var. <i>bengalensis</i>
27	<i>Cymbella</i> cf. <i>turgidula</i>
28	<i>Cymbella hustedtii</i> f. <i>stigmata</i>
29	<i>Cymbella</i> sp1
30	<i>Cymbella</i> sp2
31	<i>Diadesmis andegavensis</i>
32	<i>Diadesmis confervacea</i>
33	<i>Diploneis</i> cf. <i>aokiensis</i>
34	<i>Diploneis kahlii</i>
35	<i>Diploneis krammeri</i>
36	<i>Diploneis ovalis</i>
37	<i>Diploneis subconstricta</i>
38	<i>Encyonema</i> aff. <i>cascadensis</i>
39	<i>Encyonema javanicum</i>
40	<i>Encyonema lange-bertalotii</i>
41	<i>Encyonema minutum</i>
42	<i>Encyonema prostratum</i>
43	<i>Encyonema silesiacum</i>
44	<i>Encyonema</i> sp1
45	<i>Encyonema</i> sp2
46	<i>Encyonema</i> sp3
47	<i>Encyonema subnorvegicum</i>
48	<i>Encyonema tropicum</i>
49	<i>Encyonema vulgare</i>
50	<i>Eunotia dacostae</i>
51	<i>Eunotia meridiana</i>
52	<i>Eunotia pseudoparalleloloides</i>
53	<i>Eunotia pseudosudetica</i>
54	<i>Eunotia</i> sp1
55	<i>Eunotia</i> sp2
56	<i>Eunotia</i> sp3
57	<i>Eunotia sudetica</i> var. <i>hamuranaensis</i>
58	<i>Fragilaria</i> cf. <i>tenera</i>
59	<i>Fragilaria pensilvanica</i>
60	<i>Fragilaria radians</i>
61	<i>Fragilaria recapitellata</i>
62	<i>Fragilaria</i> sp1
63	<i>Fragilaria vaucheriae</i>
64	<i>Fragilariforma javanica</i>
65	<i>Frankophila wayqechae</i>
66	<i>Frustulia neofrenguelli</i>
67	<i>Frustulia saxonica</i>
68	<i>Geissleria cascadiensis</i>
69	<i>Geissleria decussis</i>
70	<i>Geissleria neotropica</i>
71	<i>Geissleria schmidiae</i>
72	<i>Gogorevia exilis</i>
73	<i>Gogorevia</i> sp1
74	<i>Gomphonema acidoclinatum</i>
75	<i>Gomphonema</i> aff. <i>galilae</i>
76	<i>Gomphonema</i> aff. <i>inaequilongum</i>
77	<i>Gomphonema affine</i>
78	<i>Gomphonema angustatum</i>

79	<i>Gomphonema bohemicum</i>
80	<i>Gomphonema brasiliensoides</i>
81	<i>Gomphonema butantanum</i>
82	<i>Gomphonema capsulare</i>
83	<i>Gomphonema</i> cf. <i>caperatum</i>
84	<i>Gomphonema</i> cf. <i>doonense</i>
85	<i>Gomphonema</i> cf. <i>entolejum</i>
86	<i>Gomphonema</i> cf. <i>kobayashiae</i>
87	<i>Gomphonema clavatoides</i>
88	<i>Gomphonema clavatum</i>
89	<i>Gomphonema costei</i>
90	<i>Gomphonema daphnoides</i>
91	<i>Gomphonema grovei</i> var. <i>lingulata</i>
92	<i>Gomphonema jergackianum</i>
93	<i>Gomphonema lagenula</i>
94	<i>Gomphonema microstrauron</i> var. <i>brasiliensis</i>
95	<i>Gomphonema neoapiculatum</i>
96	<i>Gomphonema parvulum</i>
97	<i>Gomphonema parvulum</i> f. <i>saprophilum</i>
98	<i>Gomphonema parvulum</i> var. <i>rigidum</i>
99	<i>Gomphonema perapicatum</i>
100	<i>Gomphonema productum</i>
101	<i>Gomphonema pseudoaugur</i>
102	<i>Gomphonema pumilum</i> var. <i>rigidum</i>
103	<i>Gomphonema</i> sp1
104	<i>Gomphonema</i> sp2
105	<i>Gomphonema</i> sp3
106	<i>Gomphonema</i> sp4
107	<i>Gomphonema</i> sp5
108	<i>Gomphonema</i> sp6
109	<i>Gomphonema</i> sp7
110	<i>Gomphonema</i> sp8
111	<i>Gomphonema</i> sp9
112	<i>Gomphonema</i> sp10
113	<i>Gomphonema</i> sp11
114	<i>Gomphonema</i> sp12
115	<i>Gomphonema</i> sp13
116	<i>Gomphonema subclavatum</i>
117	<i>Gomphonema turris</i>
118	<i>Gomphosphenia grovei</i> var. <i>lingulata</i>
119	<i>Gyrosigma obtusatum</i>
120	<i>Gyrosigma</i> sp1
121	<i>Halamphora acutiuscula</i>
122	<i>Halamphora ghanensis</i>
123	<i>Halamphora montana</i>
124	<i>Halamphora</i> sp1
125	<i>Halamphora</i> sp2
126	<i>Halamphora</i> sp3
127	<i>Halamphora subfontinalis</i>
128	<i>Hantzschia abundans</i>
129	<i>Hantzschia</i> sp1
130	<i>Hantzschia</i> sp2
131	<i>Humidophila arcuatoides</i>
132	<i>Humidophila contenta</i>
133	<i>Humidophila laevis</i>
134	<i>Humidophila pantropica</i>
135	<i>Humidophila</i> sp1
136	<i>Kobayasiella parasubtilissima</i>
137	<i>Kobayasiella</i> sp1
138	<i>Lemnicola hungarica</i>
139	<i>Luticola aequatorialis</i>
140	<i>Luticola</i> aff. <i>goeppertiana</i>
141	<i>Luticola frenguelli</i>
142	<i>Luticola goeppertiana</i>
143	<i>Luticola monita</i>
144	<i>Luticola muticoides</i>
145	<i>Luticola permuticoides</i>
146	<i>Luticola plausibilis</i>
147	<i>Luticola simplex</i>
148	<i>Luticola</i> sp1
149	<i>Luticola</i> sp2
150	<i>Navicula adamsi</i>
151	<i>Navicula amphiceropsis</i>
152	<i>Navicula arvensis</i> var. <i>dubia</i>
153	<i>Navicula cari</i>
154	<i>Navicula</i> cf. <i>fossilioides</i>
155	<i>Navicula collersonii</i>
156	<i>Navicula cryptocephala</i>
157	<i>Navicula eichorniophila</i>
158	<i>Navicula erifuga</i>
159	<i>Navicula escambia</i>
160	<i>Navicula faceta</i>
161	<i>Navicula germainii</i>
162	<i>Navicula goeppertiana</i>

163	<i>Navicula gregaria</i>
164	<i>Navicula jacobii</i>
165	<i>Navicula longicephala</i>
166	<i>Navicula rhychocephala</i>
167	<i>Navicula rostellata</i>
168	<i>Navicula</i> sp1
169	<i>Navicula</i> sp2
170	<i>Navicula</i> sp3
171	<i>Navicula</i> sp4
172	<i>Navicula</i> sp5
173	<i>Navicula</i> sp6
174	<i>Navicula</i> sp7
175	<i>Navicula supergregaria</i>
176	<i>Navicula symmetrica</i>
177	<i>Navicula ungavae</i>
178	<i>Naviculadicta nanogomphonema</i>
179	<i>Nitzschia acidoclinata</i>
180	<i>Nitzschia brevissima</i>
181	<i>Nitzschia dissipata</i>
182	<i>Nitzschia levidensis</i> var. <i>maxima</i>
183	<i>Nitzschia linearis</i>
184	<i>Nitzschia oligotraphenta</i>
185	<i>Nitzschia palea</i> var. <i>tenuirostris</i>
186	<i>Nitzschia paleacea</i>
187	<i>Nitzschia paleaformis</i>
188	<i>Nitzschia perminuta</i>
189	<i>Nitzschia rosenstockii</i>
190	<i>Nitzschia scalpelliformis</i>
191	<i>Nitzschia sigma</i>
192	<i>Nitzschia soratensis</i>
193	<i>Nitzschia</i> sp1
194	<i>Nitzschia</i> sp2
195	<i>Nitzschia</i> sp3
196	<i>Nitzschia</i> sp4
197	<i>Nitzschia</i> sp5
198	<i>Nitzschia</i> sp6
199	<i>Nitzschia</i> sp7
200	<i>Nitzschia</i> sp8
201	<i>Nitzschia</i> sp9
202	<i>Nitzschia sublinearis</i>
203	<i>Nitzschia symmetrica</i>
204	<i>Nupela deformis</i>
205	<i>Nupela</i> sp1
206	<i>Orthoseira roeseana</i>
207	<i>Pinnularia microstauron</i>
208	<i>Pinnularia acrosphaeria</i>
209	<i>Pinnularia acuminata</i> var. <i>novazealandica</i>
210	<i>Pinnularia</i> aff. <i>backebergii</i>
211	<i>Pinnularia altiplanensis</i>
212	<i>Pinnularia</i> cf. <i>clevei</i>
213	<i>Pinnularia</i> cf. <i>incrassata</i>
214	<i>Pinnularia</i> cf. <i>latarea</i>
215	<i>Pinnularia</i> cf. <i>odiosa</i>
216	<i>Pinnularia conica</i>
217	<i>Pinnularia egregia</i>
218	<i>Pinnularia graciloides</i> var. <i>rumrichae</i>
219	<i>Pinnularia microstauron</i> var. <i>angusta</i>
220	<i>Pinnularia microstauron</i> var. <i>brasiliensis</i>
221	<i>Pinnularia rhombofasciata</i>
222	<i>Pinnularia rumrichae</i>
223	<i>Pinnularia schoenfelderi</i>
224	<i>Pinnularia</i> sp1
225	<i>Pinnularia</i> sp2
226	<i>Pinnularia</i> sp3
227	<i>Pinnularia</i> sp4
228	<i>Pinnularia</i> sp5
229	<i>Pinnularia</i> sp6
230	<i>Pinnularia</i> sp7
231	<i>Pinnularia</i> sp8
232	<i>Pinnularia stomatophora</i>
233	<i>Pinnularia subgibba</i>
234	<i>Pinnularia viridiformis</i>
235	<i>Pinnularia viridis</i>
236	<i>Placoneis elginensis</i>
237	<i>Placoneis molestissima</i>
238	<i>Planothidium frequentissimum</i>
239	<i>Planothidium hauckianum</i>
240	<i>Planothidium lagerheimii</i>
241	<i>Platessa saxonica</i>
242	<i>Pleurosigma</i> sp1
243	<i>Psammonthidium hustedtii</i>
244	<i>Rhopalodia gibberula</i>
245	<i>Selaphora pupula</i>
246	<i>Sellaphora</i> aff. <i>pseudopupula</i>

247	<i>Sellaphora arvensis</i>
248	<i>Sellaphora blackfordensis</i>
249	<i>Sellaphora obesa</i>
250	<i>Sellaphora pseudoarvensis</i>
251	<i>Sellaphora pseudopupula</i>
252	<i>Sellaphora pupula</i>
253	<i>Sellaphora</i> sp1
254	<i>Sellaphora</i> sp2
255	<i>Sellaphora</i> sp3
256	<i>Stauroneis acidobionta</i>
257	<i>Stauroneis adamsiana</i>
258	<i>Stauroneis amphicephala</i>
259	<i>Stauroneis</i> cf. <i>acidoclinata</i>
260	<i>Stauroneis conspicua</i>
261	<i>Stauroneis gracilis</i>
262	<i>Stauroneis kriegeri</i>
263	<i>Stauroneis reichardtii</i>
264	<i>Stauroneis</i> sp1
265	<i>Surirella</i> aff. <i>engleri</i> var. <i>constricta</i>
266	<i>Surirella engleri</i> var. <i>constricta</i>
267	<i>Surirella robusta</i>
268	<i>Synedra</i> aff. <i>jogensis</i>
269	<i>Tryblionella levidensis</i>
270	<i>Tryblionella perversa</i>
271	<i>Ulnaria acus</i>
272	<i>Ulnaria gouldarii</i>
273	<i>Ulnaria lanceolata</i>
