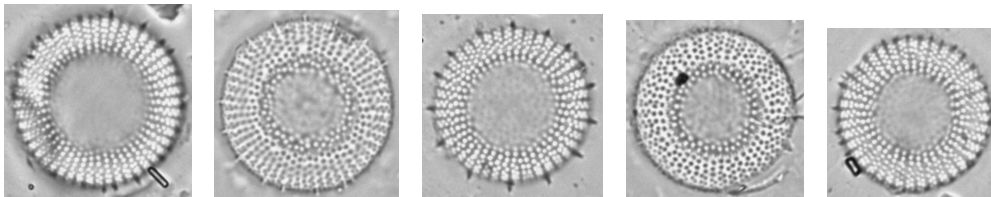
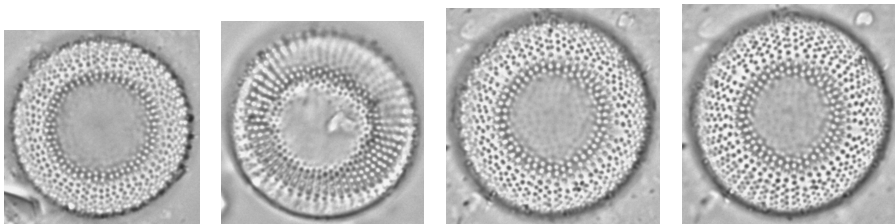
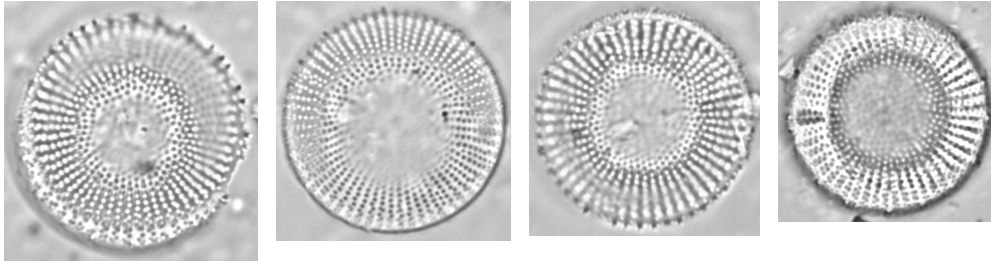
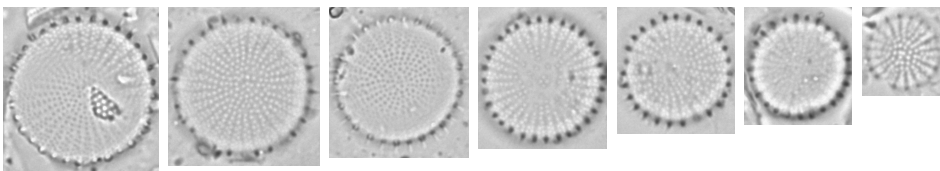


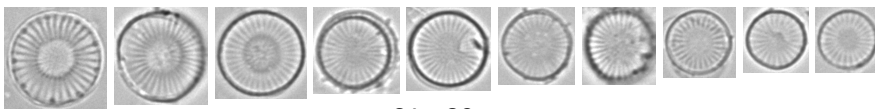
Stephanodiscus



1 - 13



14 - 20



21 - 30

Plate 15

LM: x1500

Figs 1, 2: *Pleurosira laevis* (Ehrenberg) Compère, p. 10 [PLEV]

Scale bar = 10 μm

Figs 1, 2: Fratel Reservoir, Tejo River (Tejo basin), 12-07-2006.

Figs 1, 2: Valve view of the same valve with different focus.

Pleurosira



1 - 2

Plate 16

LM: x1500

Figs 1-30: *Diatoma mesodon* Kützing, p. 11 [DMES]

Figs 31-37: *Diatoma hyemale* (Lyngbye) Heiberg, p. 11 [DHIE]

Scale bar = 10 μm

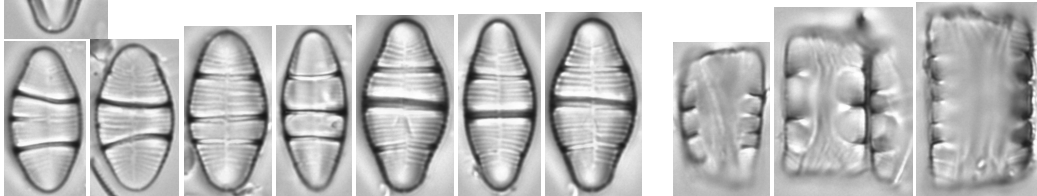
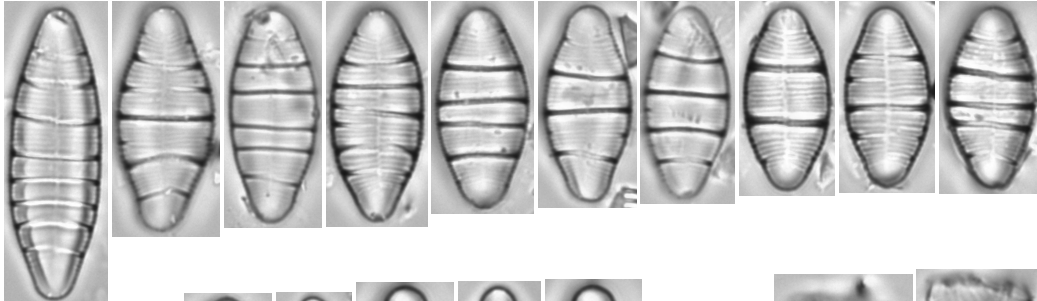
Figs 1-20, 31-37: Sabugueiro, Fervença Stream (Mondego basin), 07-07-2007.

Figs 21-30: Redonda, Águeda River (Vouga basin), 13-05-2007.

Figs 1-17, 21-37: Valve view.

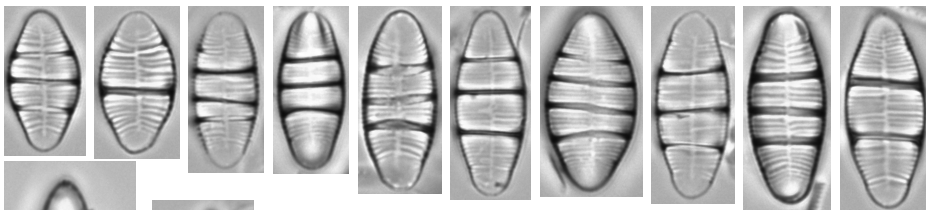
Figs 18-20: Girdle view.

Diatoma

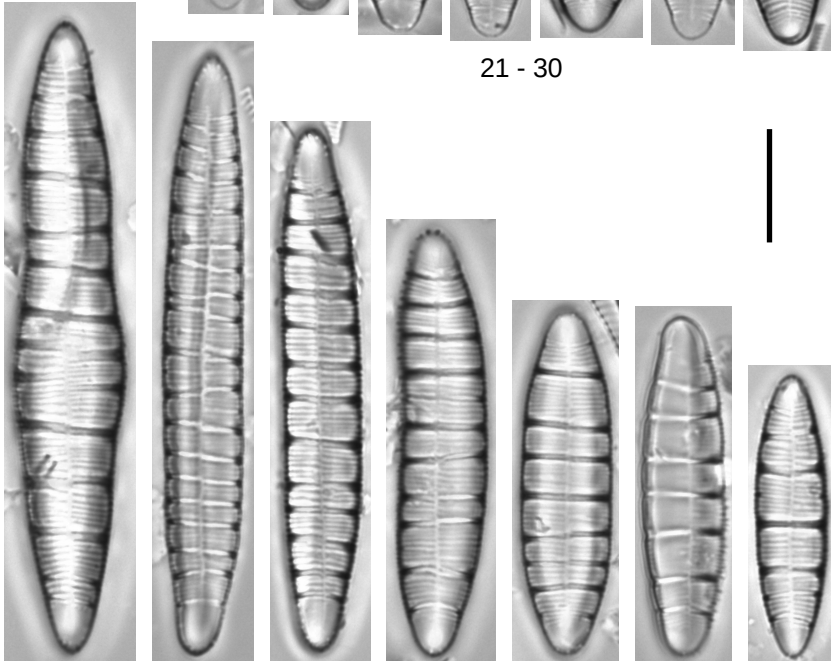


1 - 17

18 - 20



21 - 30



31 - 37

Plate 17

Figs 1-3: *Diatoma mesodon* Kützing, p. 11 [DMES]

Scale bars = 5 μm

Figs 1-3: Sabugueiro, Fervença Stream (Mondego basin), 07-07-2007.

Fig. 1: External valve view.

Fig. 2: Internal valve view.

Fig. 3: Girdle view.

Diatoma

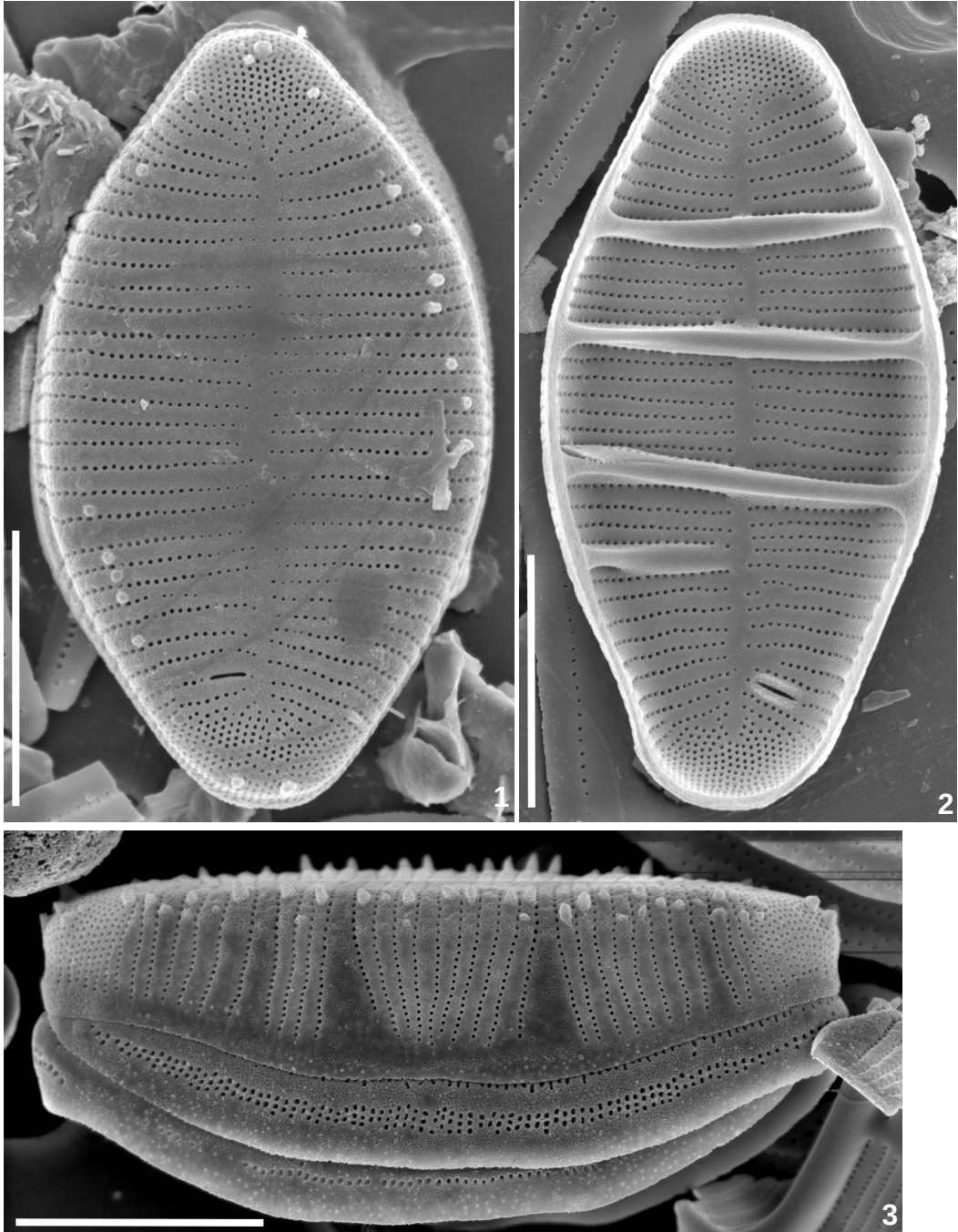


Plate 18

Figs 1-4: *Diatoma hyemale* (Lyngbye) Heiberg, p. 11 [DHIE]

Scale bars = 5 μm

Figs 1-4: Sabugueiro, Fervença Stream (Mondego basin), 07-07-2007.

Fig. 1: External valve view.

Fig. 2: Internal valve view.

Fig. 3: Detail of the apical area in external view.

Fig. 4: Detail of the apical area in internal view.

Diatoma

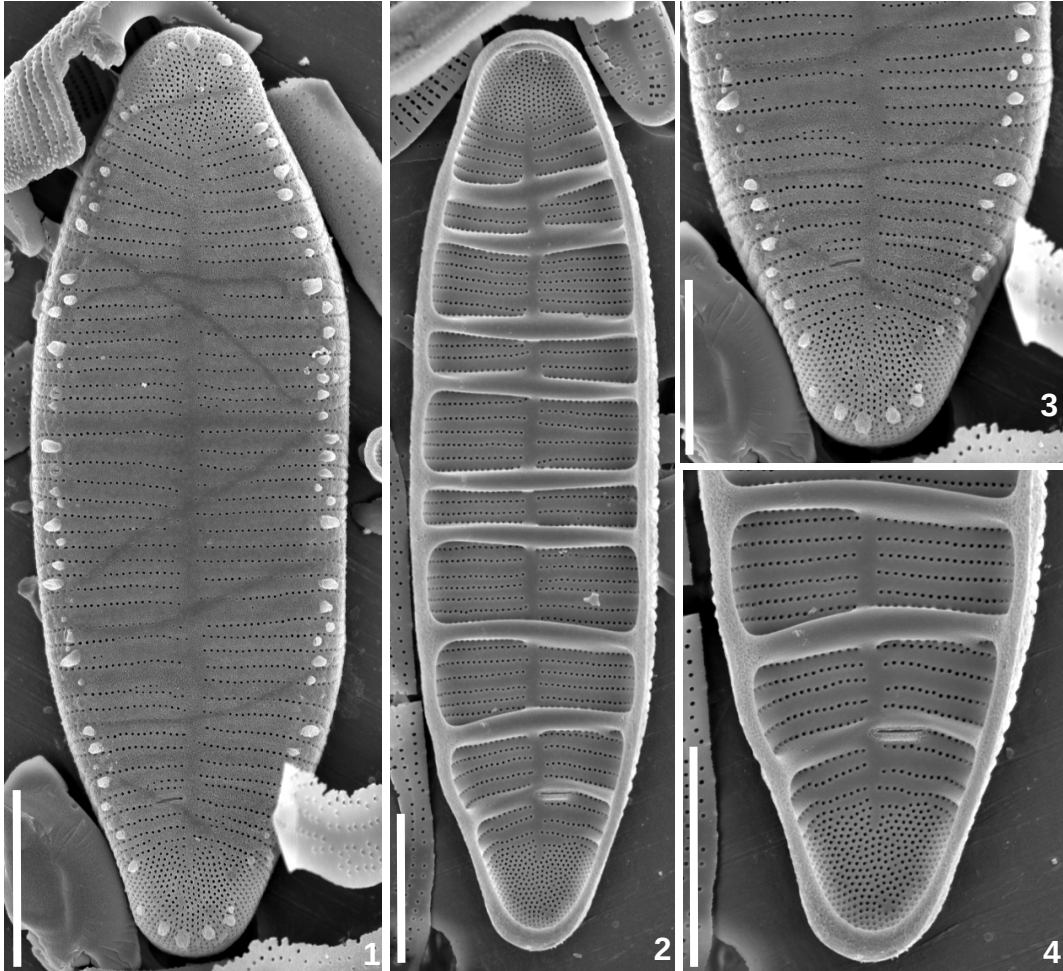


Plate 19

LM: x1500

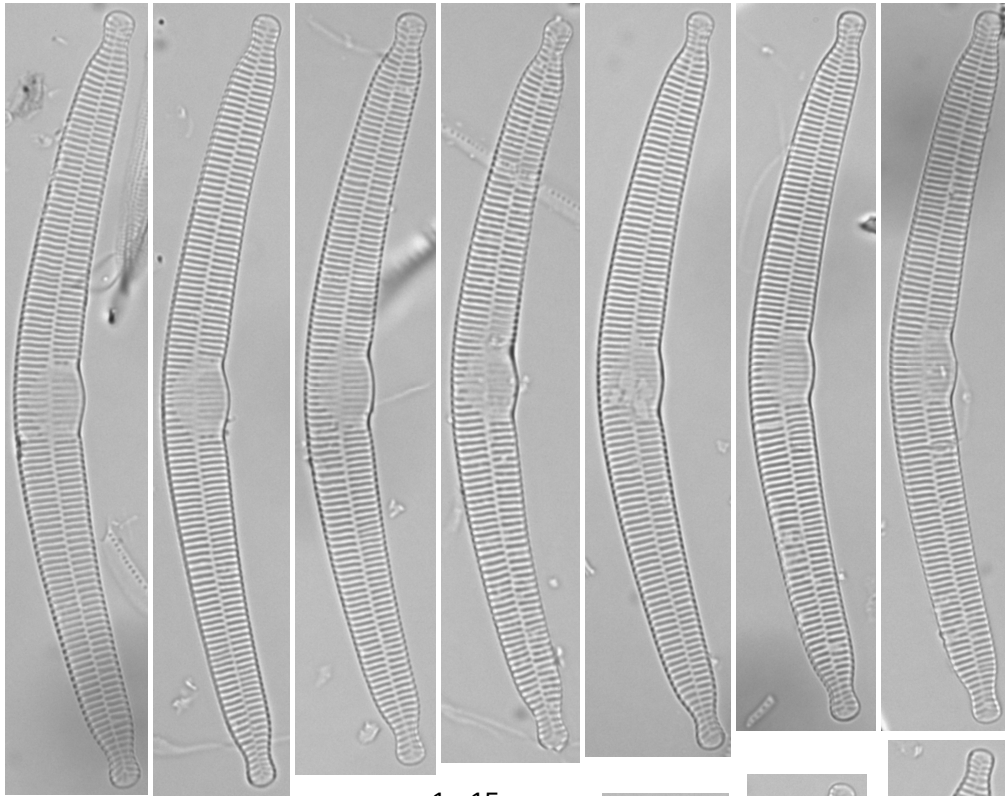
Figs 1-15: *Fragilaria arcus* (Ehrenberg) Cleve, p. 11 [FARC]

Scale bar = 10 μm

Figs 1-15: São João do Monte, Águeda River (Vouga basin), 13-05-2007.

Figs 1-15: Valve view.

Fragilaria



1 - 15

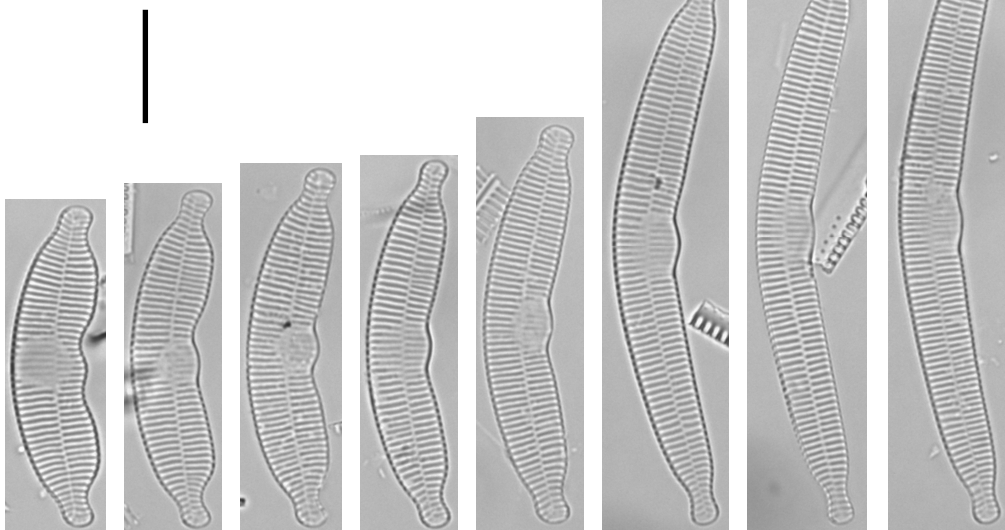


Plate 20

LM: x1500

Figs 1-16: *Fragilaria arcus* (Ehrenberg) Cleve, p. 11 [FARC]

Scale bar = 10 μm

Figs 1-16: Redonda, Águeda River (Vouga basin), 13-05-2007.

Figs 1-16: Valve view.

Fragilaria

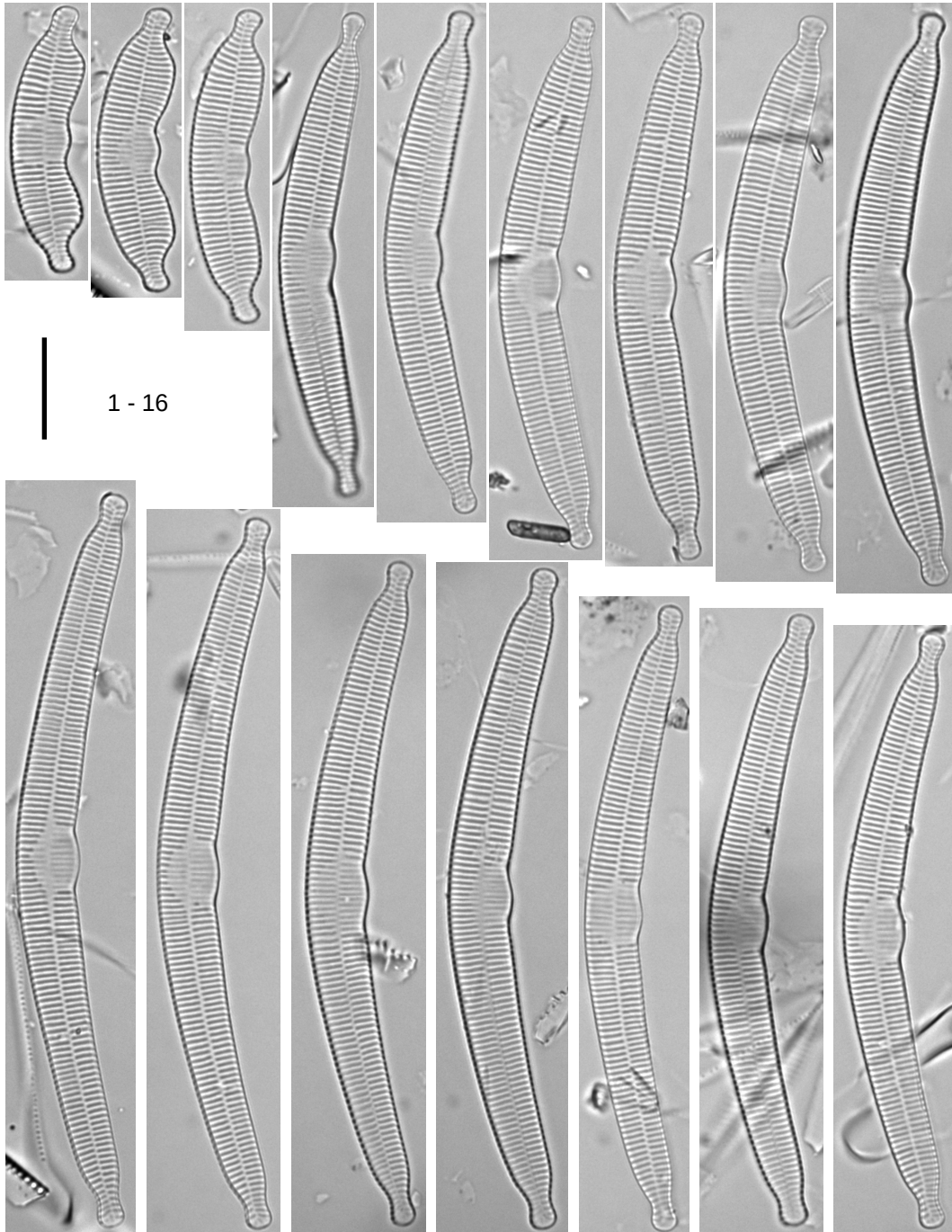


Plate 21

LM: x1500

Figs 1-23: *Fragilaria crotonensis* Kitton sensu Krammer & Lange-Bertalot 1991a, p. 11 [FCRO]

Scale bar = 10 μm

Figs 1-9: Belver Reservoir, Tejo River (Tejo basin), 11-07-2006.

Figs 10-23: Fratel Reservoir, Tejo River (Tejo basin), 12-07-2006.

Figs 1-3, 10-17: Valve view.

Figs 4-9, 18-23: Girdle view.

Fragilaria

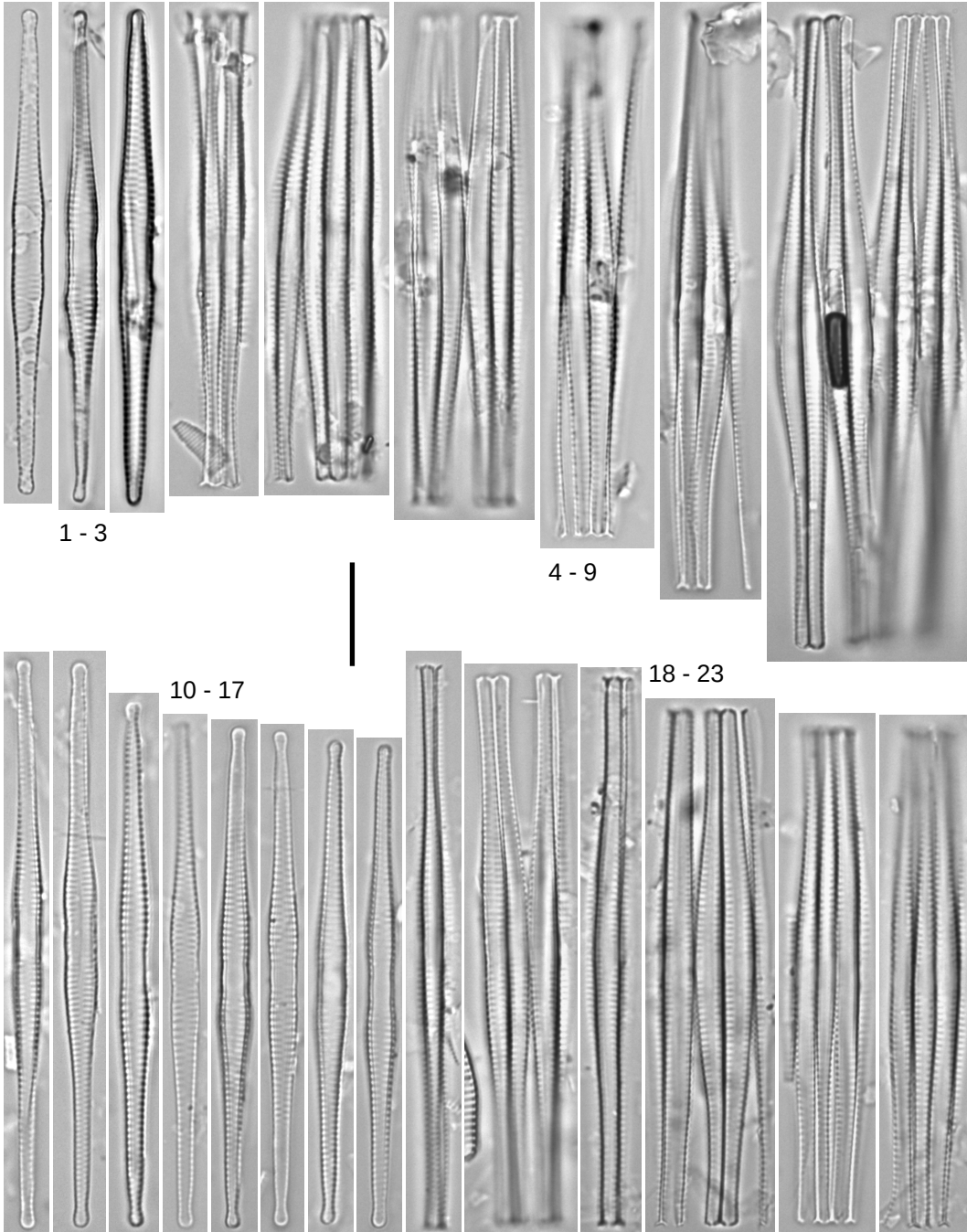


Plate 22

Figs 1-6: *Fragilaria crotonensis* Kitton sensu Krammer & Lange-Bertalot 1991a, p. 11 [FCRO]

Scale bars (Figs 1, 2) = 5 μm Scale bars (Figs 3-6) = 1 μm

Figs 1-6: Fratel Reservoir, Tejo River (Tejo basin), 12-07-2006.

Fig. 1: External valve view.

Fig. 2: Internal valve view.

Fig. 3: Detail of the central area in external valve view.

Fig. 4: Detail of the central area in external girdle view.

Fig. 5: Detail of the apical area in external view.

Fig. 3: Detail of the apical area in internal view.

Fragilaria

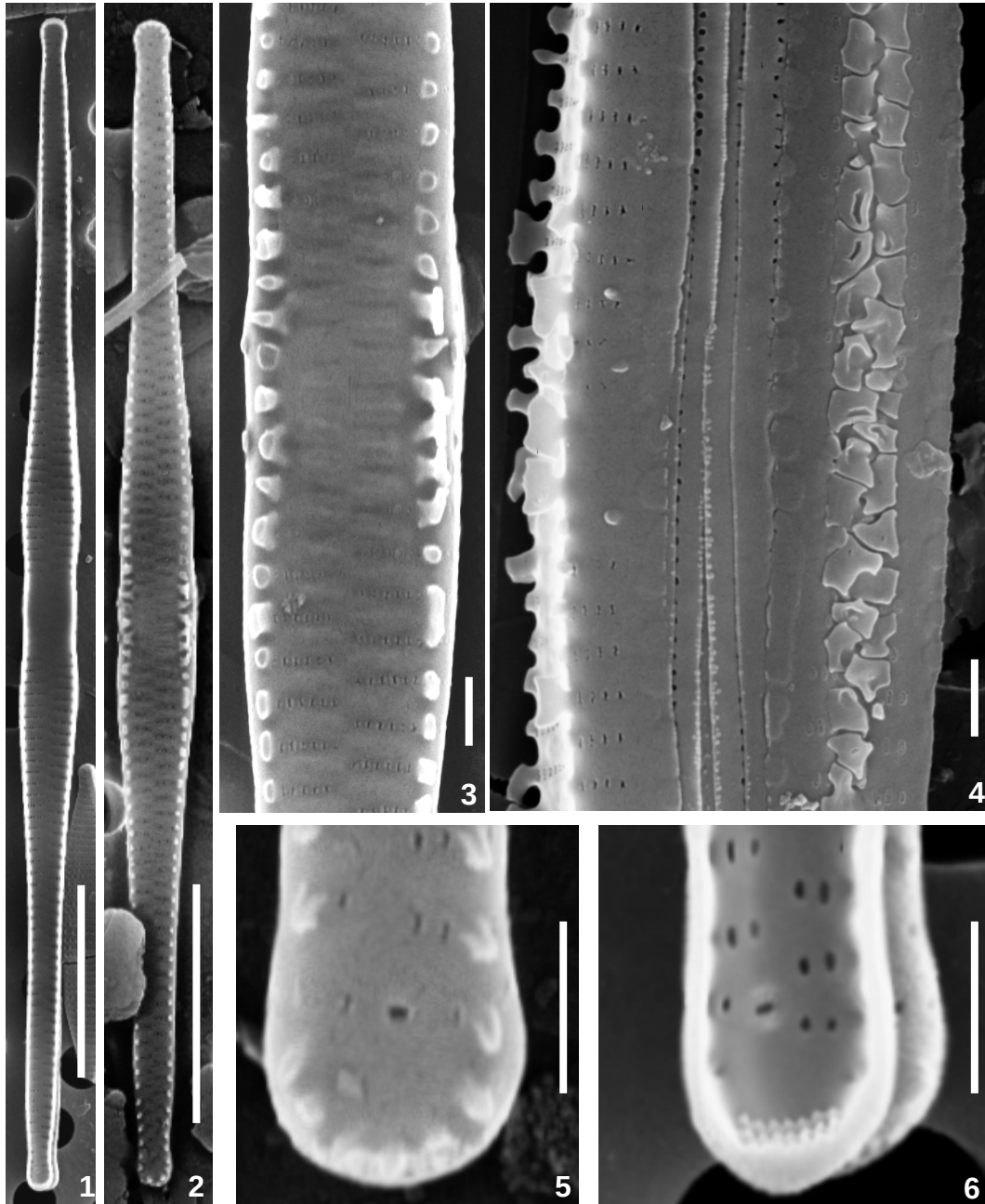


Plate 23

LM: x1500

Figs 1-19: *Fragilaria crotonensis* Kitton sensu Krammer & Lange-Bertalot 1991a, p. 11 [FCRO]

Figs 20-43: *Fragilaria* sp.1, p. 13

Scale bar = 10 μ m

Figs 1-19: Belver, Tejo River (Tejo basin), 06-07-2006.

Figs 20-43: Bazágueda, Bazágueda River (Tejo basin), 08-07-2006.

Figs 1-16, 20-42: Valve view.

Figs 17-19, 43: Girdle view.