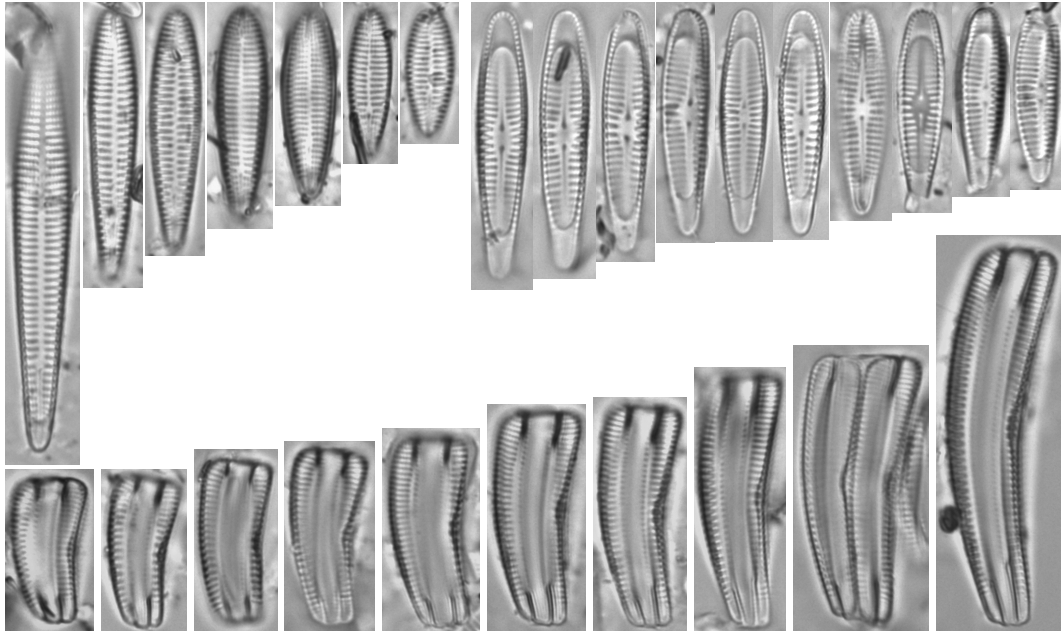
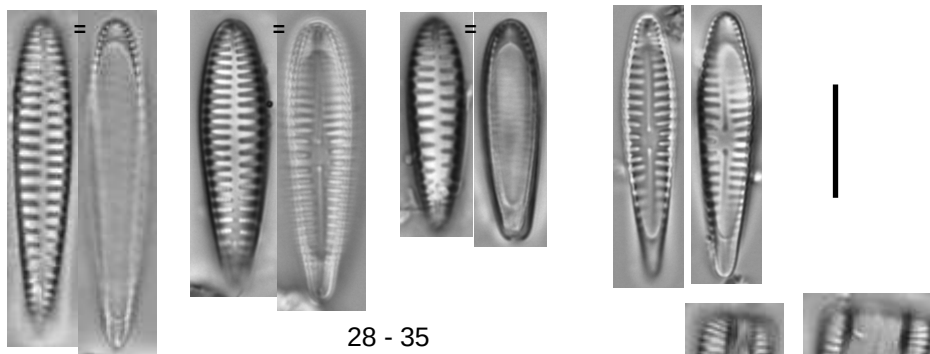


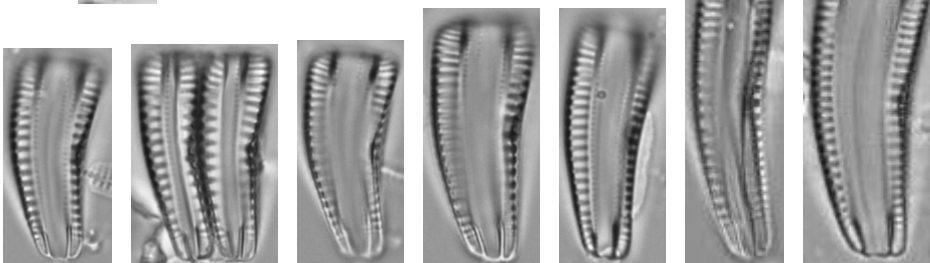
Rhoicosphenia



1 - 27



28 - 35



36 - 43

Plate 75

LM: x1500

Figs 1-28: *Cymbella excisa* Kützing, p. 19 [CAEX]

Scale bar = 10 μm

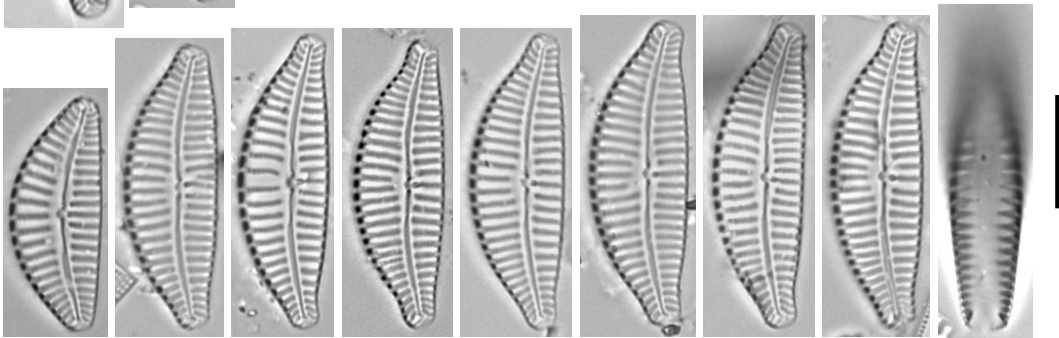
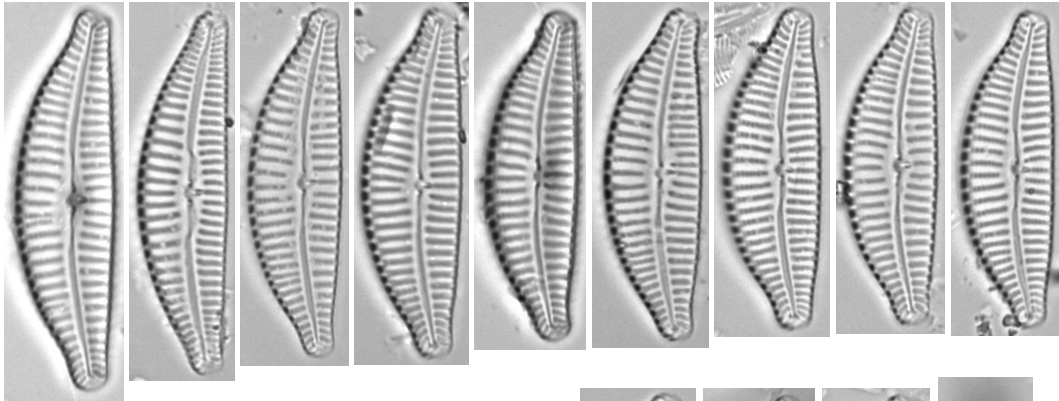
Figs 1-18: Espargal, Algibre Stream (Ribeiras do Algarve basin), 17-04-2006.

Figs 19-28: Tôr, Algibre Stream (Ribeiras do Algarve basin), 02-03-2006.

Figs 1-17, 19-26: Valve view.

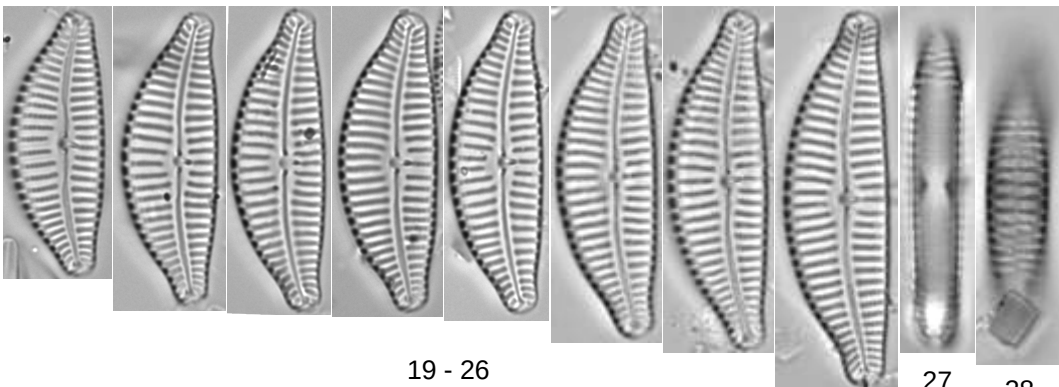
Figs 18, 27, 28: Girdle view.

Cymbella



1 - 17

18



19 - 26

27

28

Plate 76

Figs 1, 2: *Cymbella excisa* Kützing, p. 19 [CAEX]

Scale bars = 5 μm

Figs 1, 2: Tôr, Algibre Stream (Ribeiras do Algarve basin), 02-03-2006.

Fig. 1: External valve view.

Fig. 2: Internal valve view.

Cymbella

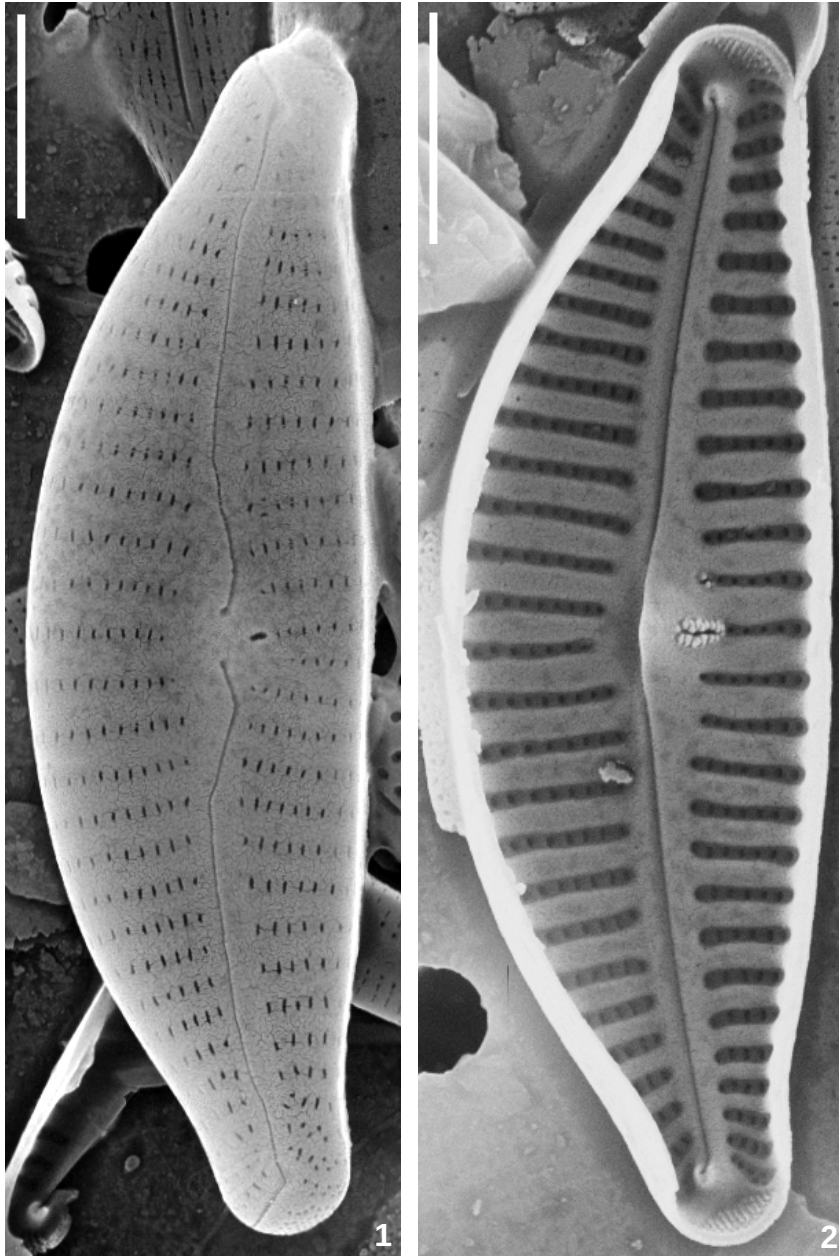


Plate 77

LM: x1500

Figs 1-8: *Cymbella excisa* Kützing, p. 19 [CAEX]

Figs 9-26: *Cymbella perparva* Krammer, p. 19 [CPPV]

Scale bar = 10 μm

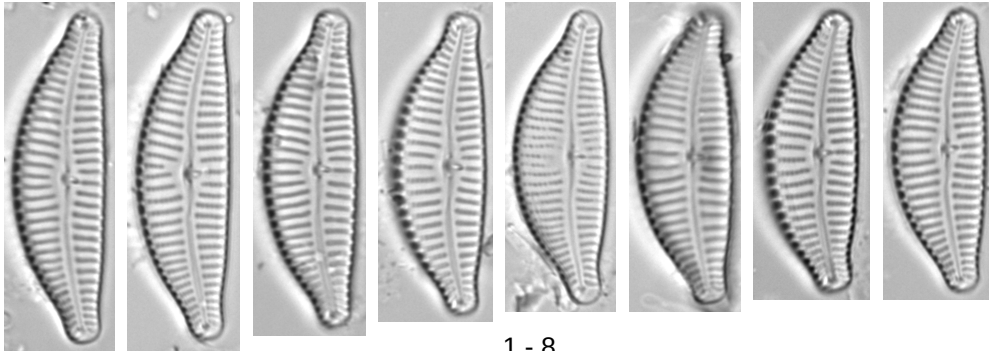
Figs 1-8: Algibre, Algibre Stream (Ribeiras do Algarve basin), 17-04-2006.

Figs 9-17: Junqueira, Maças Stream (Douro basin), 12-08-2007.

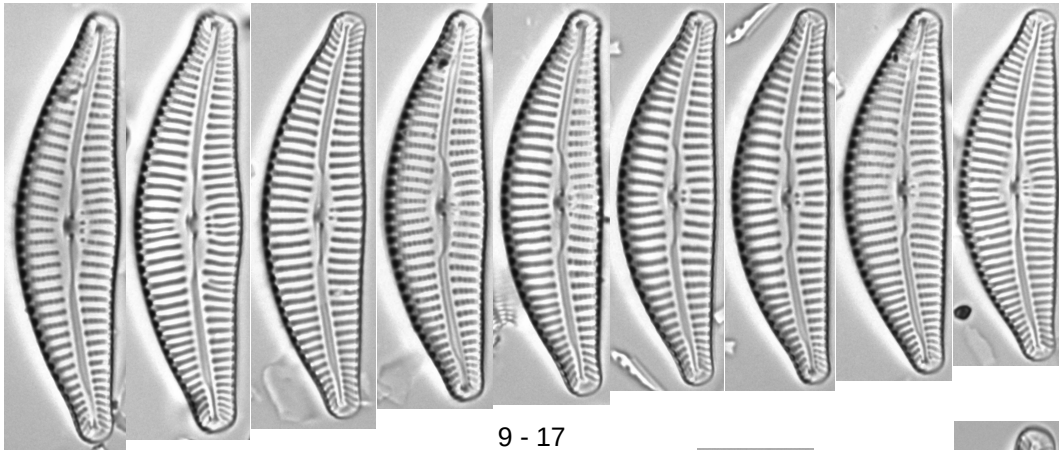
Figs 18-26: Odeleite Reservoir, Odeleite Stream (Ribeiras do Algarve basin), 27-07-2006.

Figs 1-26: Valve view.

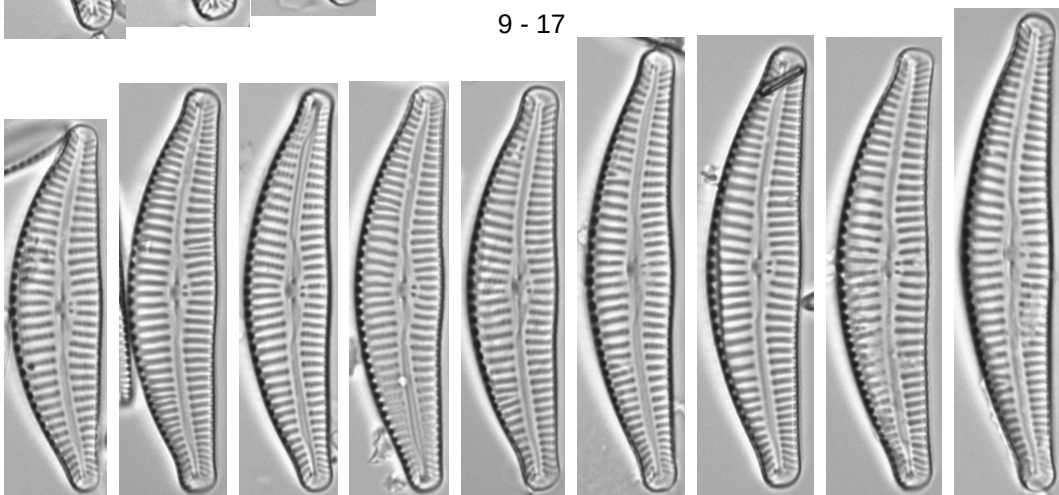
Cymbella



1 - 8



9 - 17



18 - 26

Plate 78

Figs 1-5: *Cymbella perparva* Krammer, p. 19 [CPPV]

Scale bars (Figs 1, 2) = 10 μm

Scale bars (Figs 3, 4, 5) = 1 μm

Figs 1-5: Odeleite Reservoir, Odeleite Stream (Ribeiras do Algarve basin), 27-07-2006.

Fig. 1: External valve view.

Fig. 2: Internal valve view.

Fig. 3: Detail of central area with the stigma alveolus in external view.

Fig. 4: Detail of central area with the stigma alveolus in internal view.

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

Cymbella

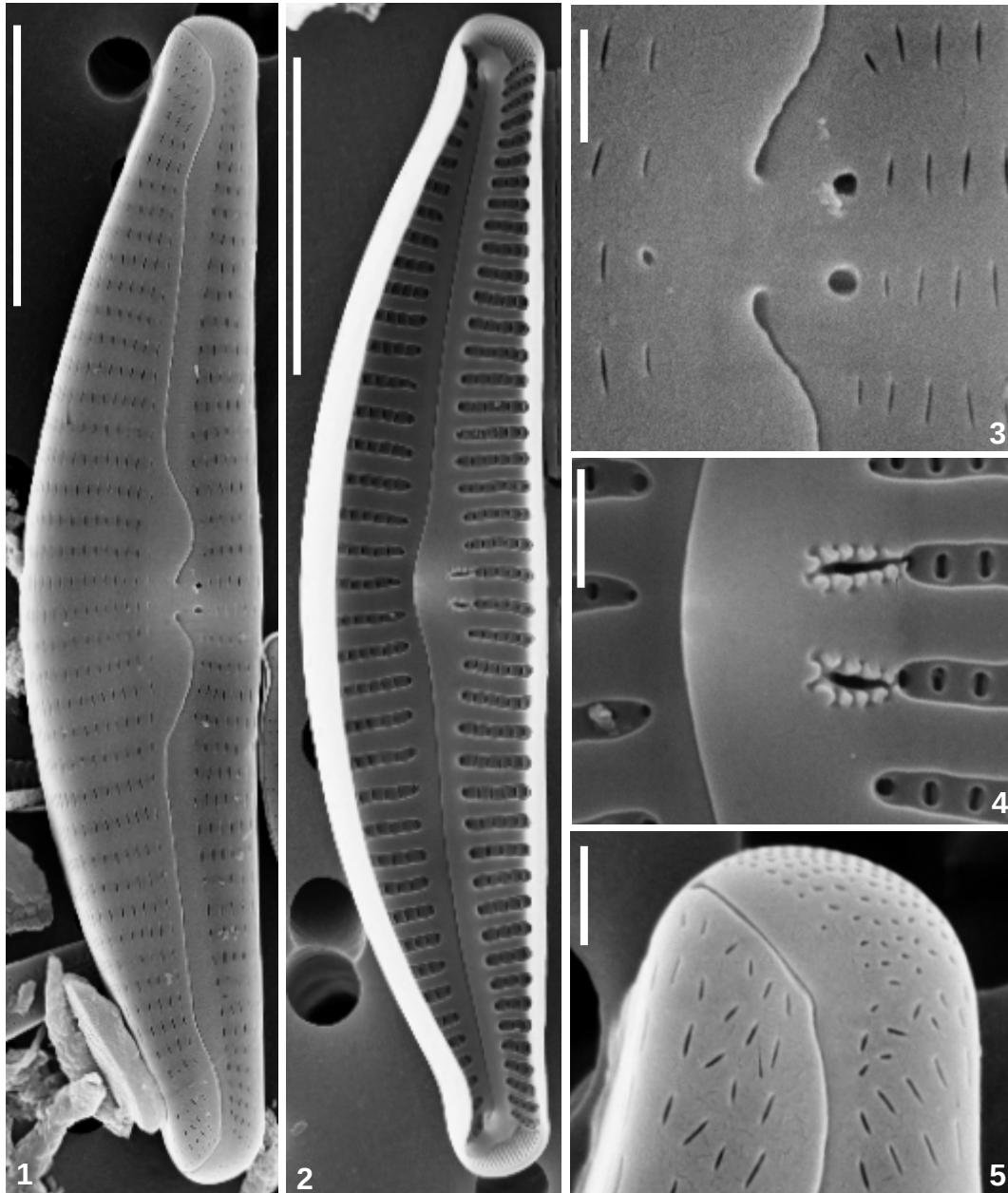


Plate 79

LM: x1500

Figs 1-11: *Cymbella* cf. *tropica* Krammer, p. 20

Figs 12-14: *Cymbella tumida* (Brébisson) Van Heurck, p. 20 [CTUM]

Figs 15-17: *Cymbella perparva* Krammer, p. 19 [CPPV]

Scale bar = 10 μm

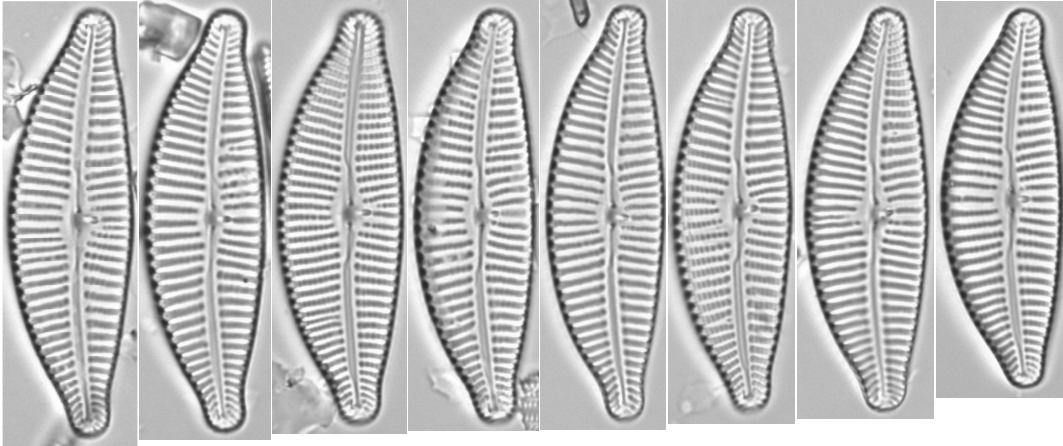
Figs 1-11: Malhadaís, Mosteiró River (Douro basin), 19-08-2007.

Figs 12-14: Junqueira, Maçãs Stream (Douro basin), 12-08-2007.

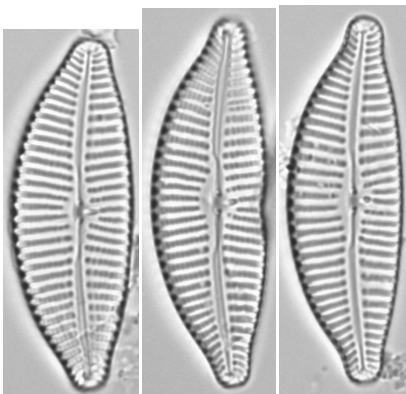
Figs 15-17: Azinhal de Mouros, Vascão Stream (Guadiana basin), 24-04-2006.

Figs 1-17: Valve view.

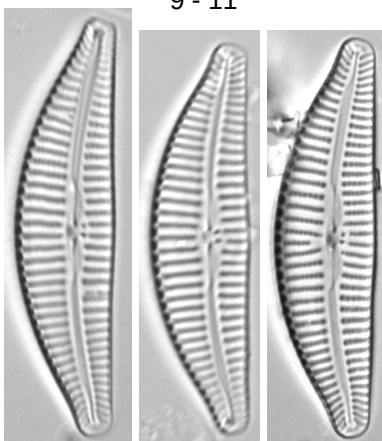
Cymbella



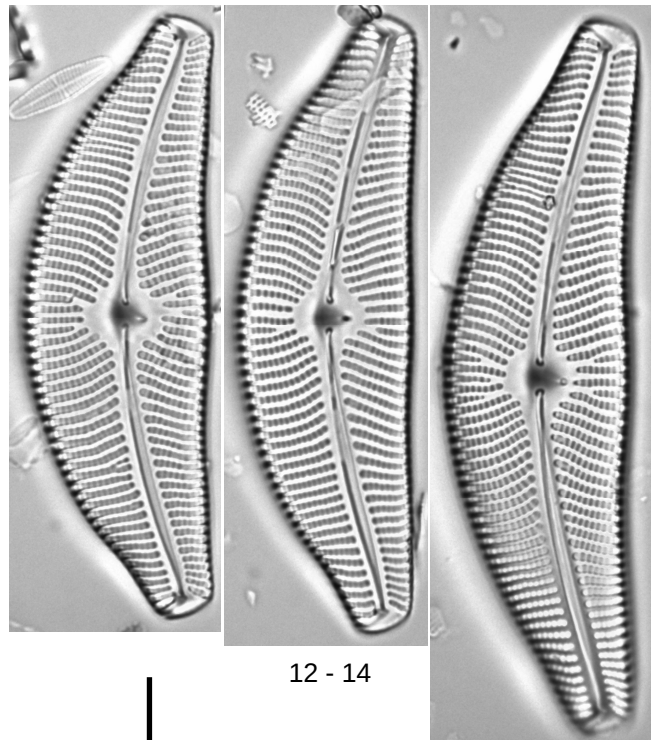
1 - 8



9 - 11



15 - 17



12 - 14

Plate 80

Figs 1-6: *Cymbella* cf. *tropica* Krammer, p. 20

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

Figs 1-6: Malhadais, Mosteiró River (Douro basin), 19-08-2007.

Fig. 1: External valve view.

Fig. 2: Internal valve view.

Fig. 3: Detail of central area with the stigma alveolus in external view.

Fig. 4: Detail of central area with the stigma alveolus in internal view.

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

Fig. 6: Detail of the apical area in internal view.

Cymbella

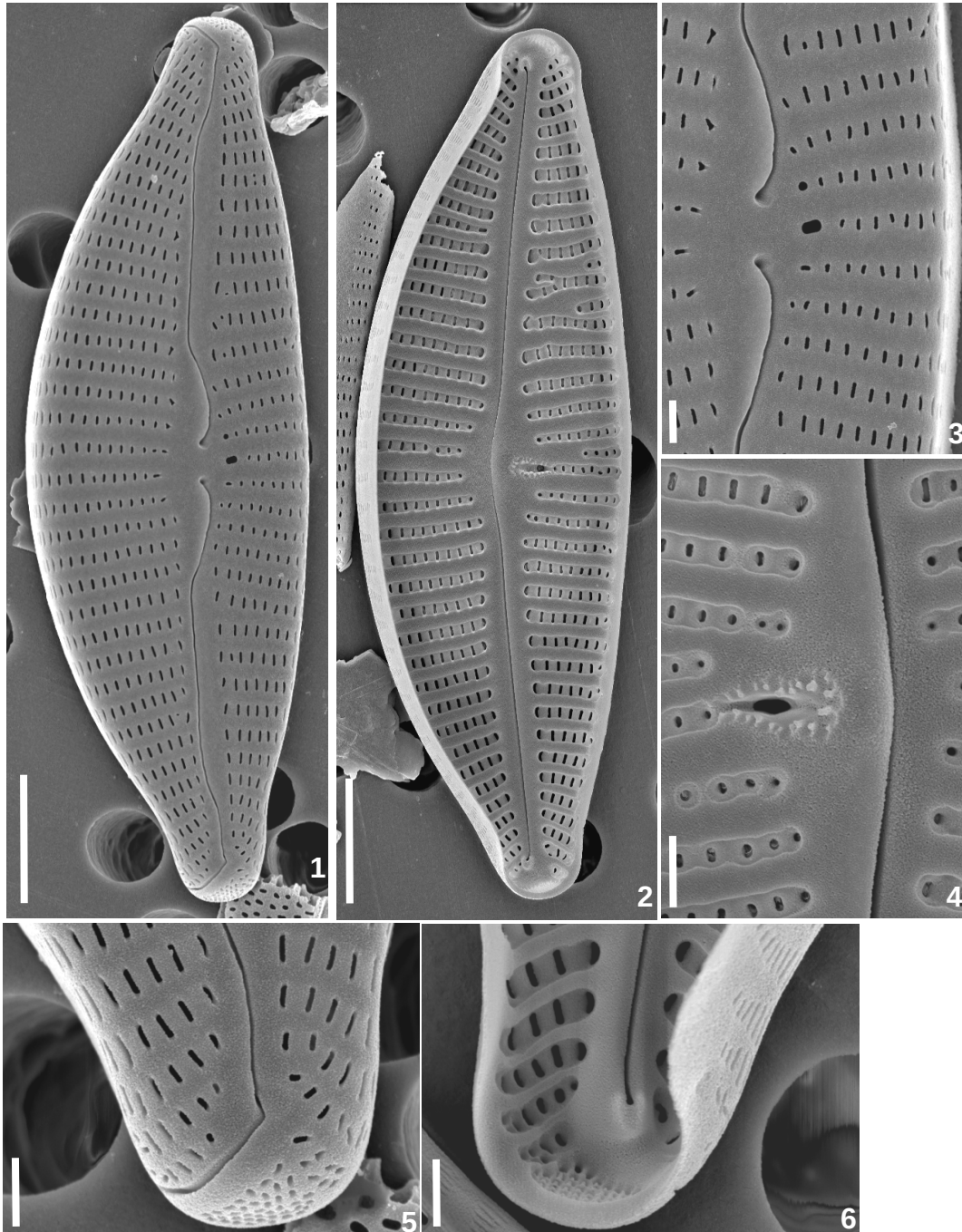


Plate 81

LM: x1500

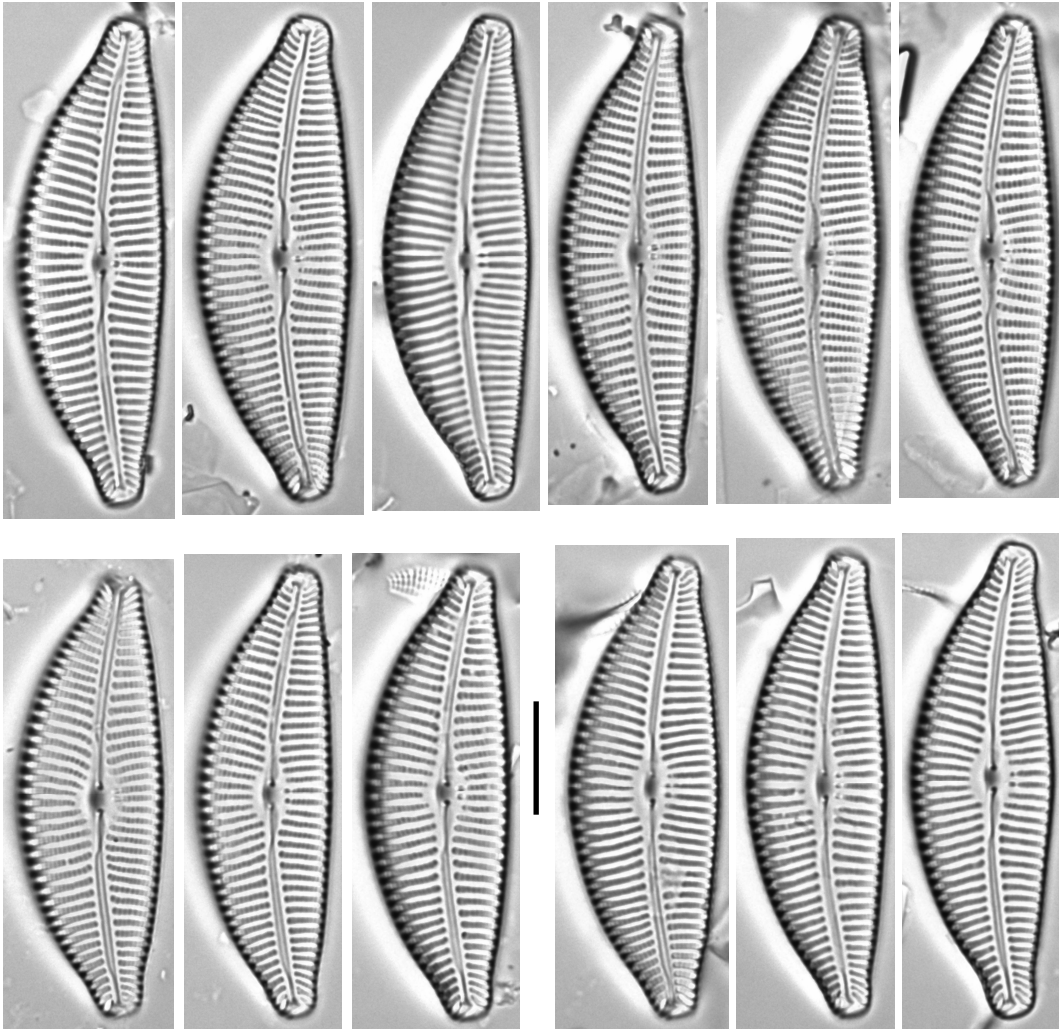
Figs 1-12: *Cymbella turgidula* Grunow, p. 20 [CTGL]

Scale bar = 10 μm

Figs 1-12: Junqueira, Maças Stream (Douro basin), 12-08-2007.

Figs 1-12: Valve view.

Cymbella



1 - 12

Plate 82

LM: x1500

Figs 1-8: *Cymbella tumida* (Brébisson) Van Heurck, p. 20 [CTUM]

Scale bar = 10 μm

Figs 1-8: Ficalho, Vidigão Stream (Guadiana basin), 27-04-2006.

Figs 1-8: Valve view.

Cymbella

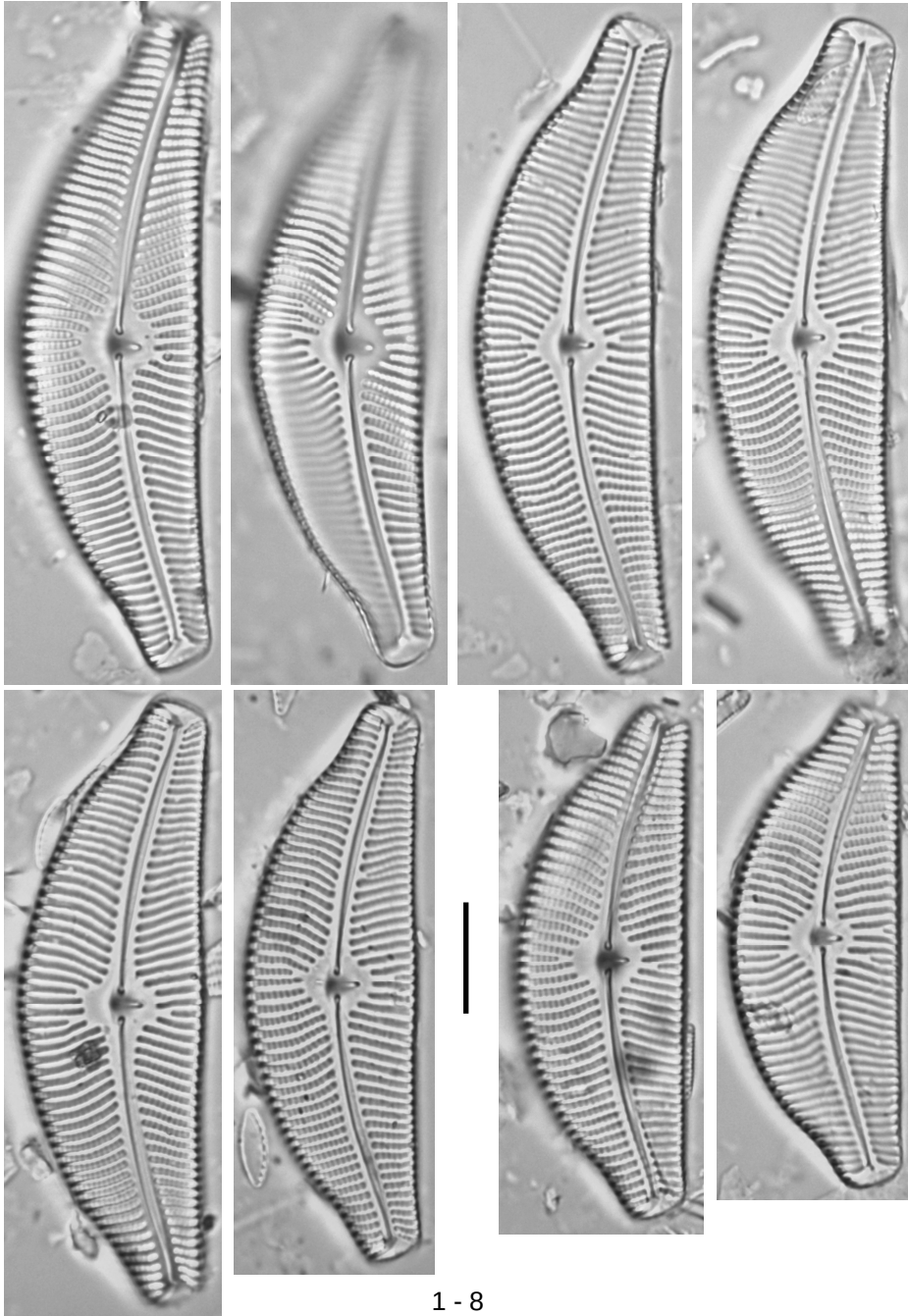


Plate 83

LM: x1500

Figs 1-26: *Cymbella affinis* Kützing, p. 19 [CAFF]

Scale bar = 10 μm

Figs 1-9: Tôr, Algibre Stream (Ribeiras do Algarve basin), 02-03-2006.

Figs 10-18: Morenos, Corte Creek (Ribeiras do Algarve basin), 11-03-2006.

Figs 19-26: Algibre, Algibre Stream (Ribeiras do Algarve basin), 02-03-2006.

Figs 1-17, 19-26: Valve view.

Fig. 18: Girdle view.