

Pseudostaurosira
Fragilaria
Punctastriata

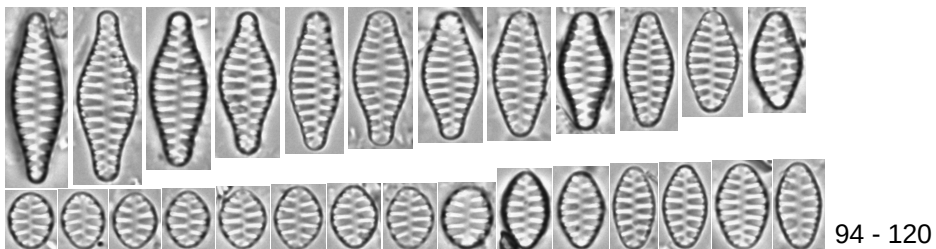
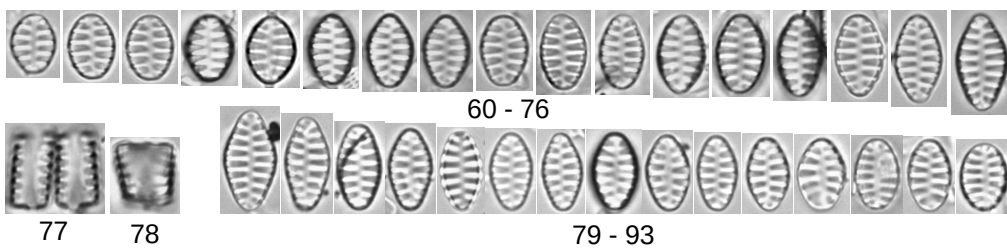
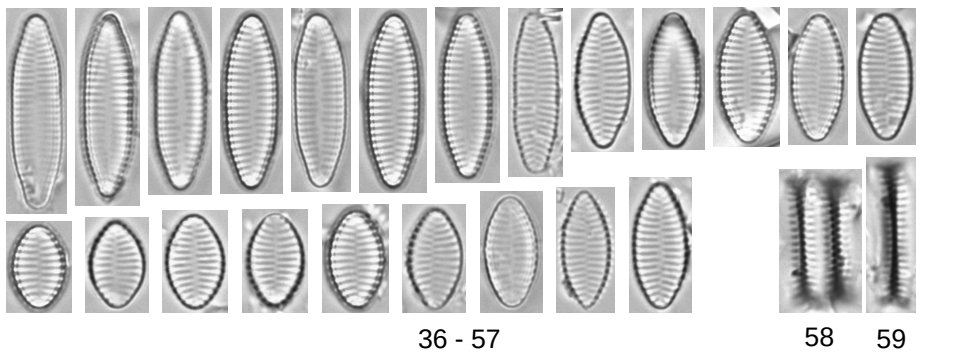
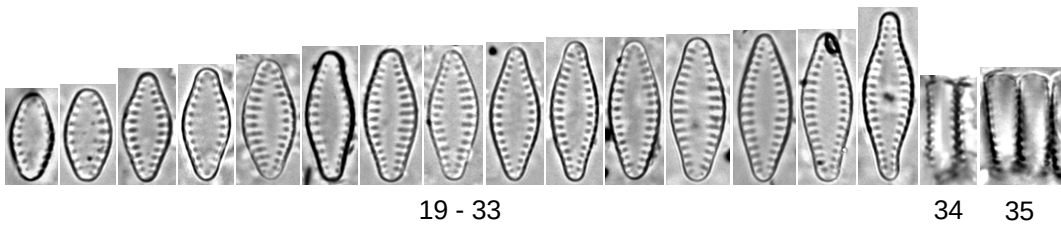
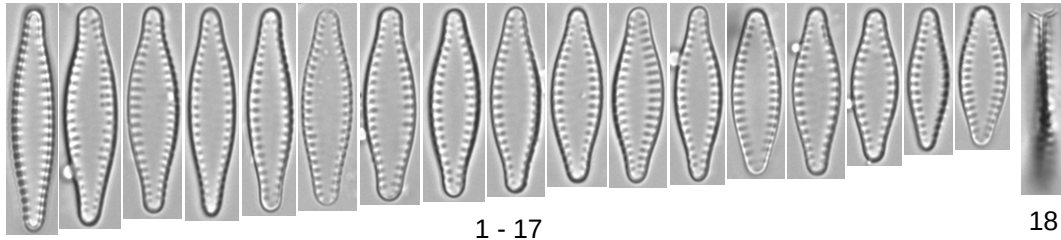


Plate 39

Figs 1, 2: *Pseudostaurosira brevistriata* var. *capitata* (Héribaude) N.A. Andresen,
Stoermer & Kreis, p. 14 [PBCA]

Scale bars = 1 μm

Figs 1, 2: Monte dos Irmãos, Sôr Stream (Tejo basin), 29-06-2006.

Fig. 1: External valve view.

Fig. 2: Internal valve view.

Pseudostaurosira

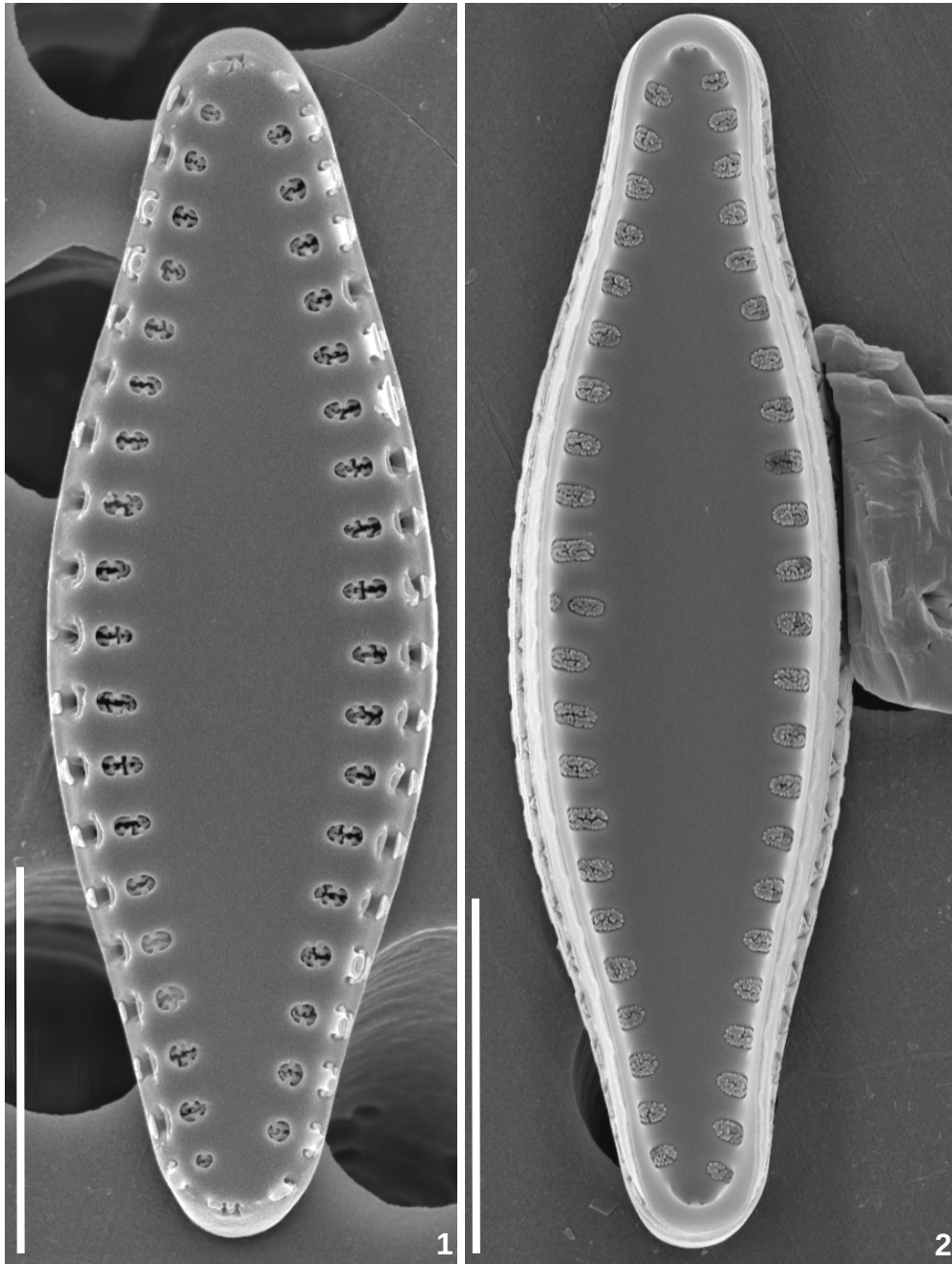


Plate 40

Figs 1-6: *Punctastriata* sp., p. 15

Scale bars = 1 μm

Figs 1-6: Poldras Stream (Douro basin), 15-09-2007.

Figs 1-5: External valve view.

Fig. 6: Internal valve view.

Punctastriata

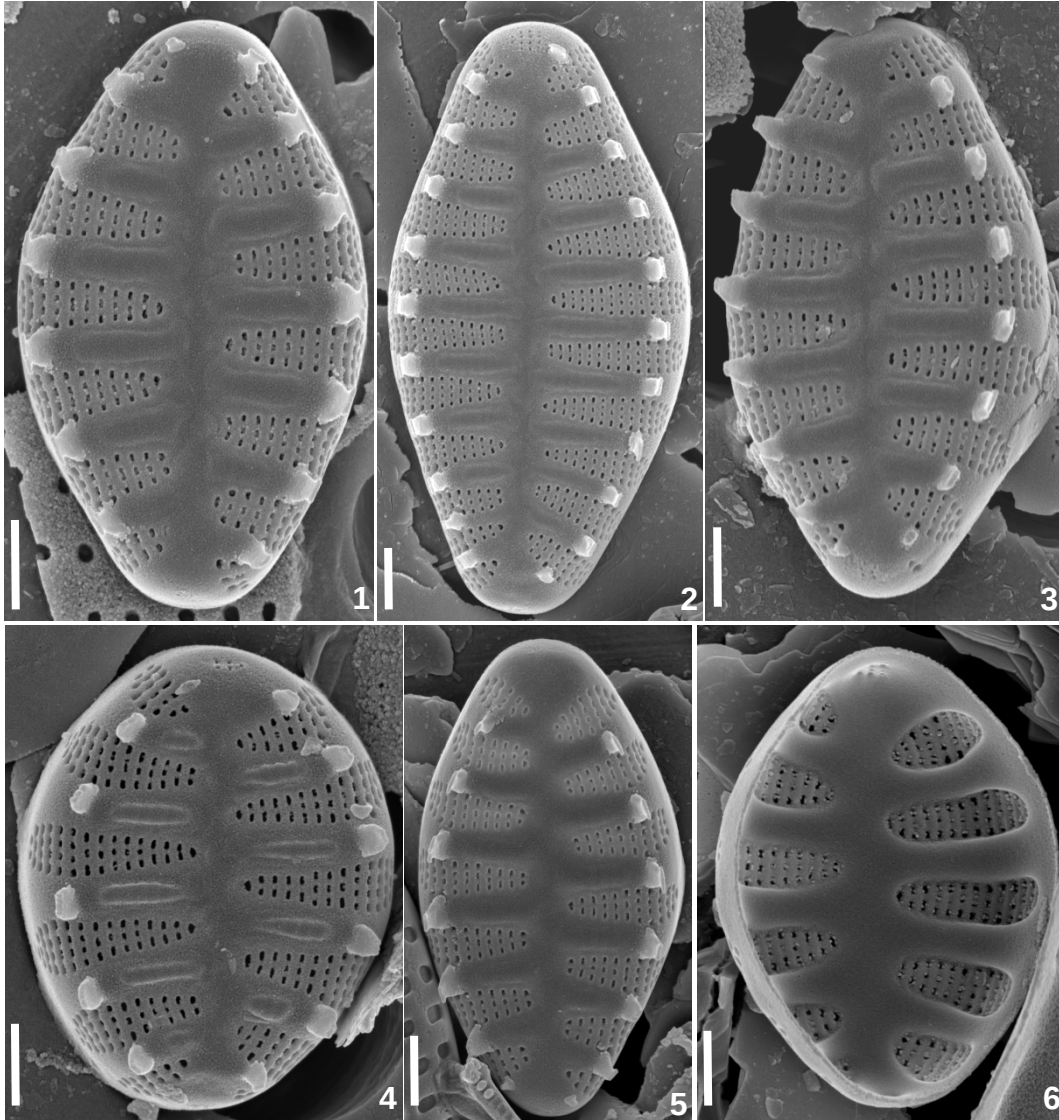


Plate 41

LM: x1500

Figs 1-68: *Staurosira venter* (Ehrenberg) H. Kobayasi, p. 15 [SSVE]

Figs 69-93: *Pseudostaurosira* sp., p. 14 [PDTS]

Figs 94-124: *Fragilaria canariensis* Lange-Bertalot, p. 11 [FCAN]

Scale bar = 10 μm

Figs 1-23: Barquinha, Tejo River (Tejo basin), 06-07-2006.

Figs 24-44: Pulo do Lobo, Limas Stream (Guadiana basin), 27-04-2006.

Figs 45-59: Safara Stream (Guadiana basin), 27-04-2006.

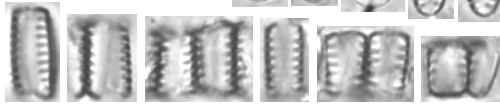
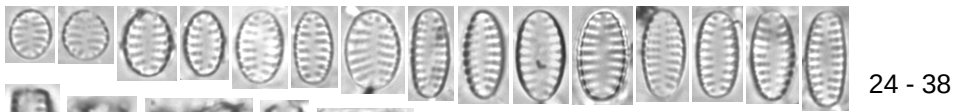
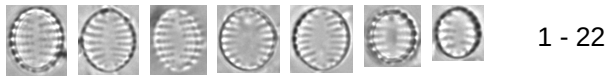
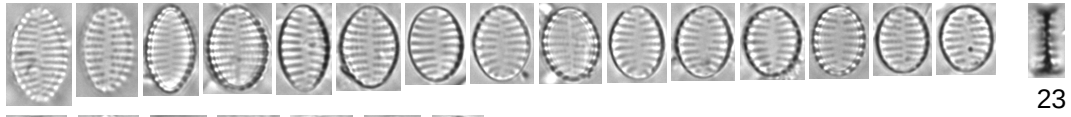
Figs 60-68: Peramanca Stream (Sado basin), 05-04-2006.

Figs 69-124: Campinho, Aravil River (Tejo basin), 12-07-2006.

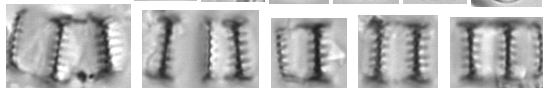
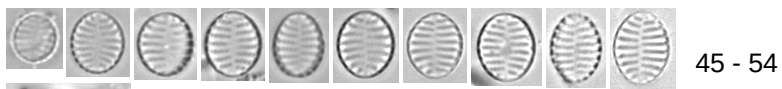
Figs 1-22, 24-38, 45-54, 60-63, 69-90, 94-122: Valve view.

Figs 23, 39-44, 55-59, 64-68, 91-93, 123, 124: Girdle view.

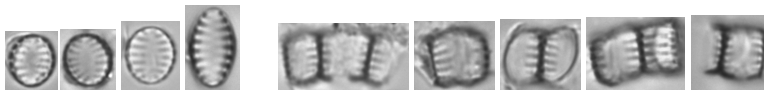
Staurosira
Pseudostaurosira
Fragilaria



39 - 44

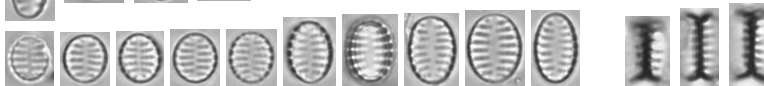
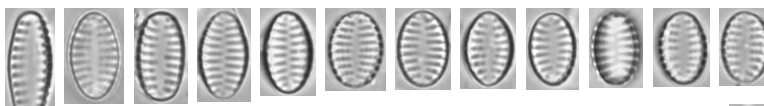


55 - 59



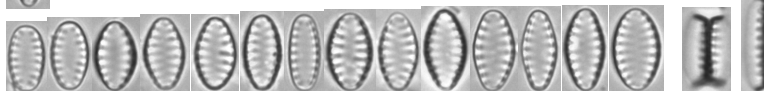
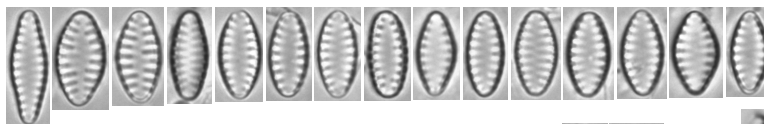
60 - 63

64 - 68



69 - 90

91 - 93



94 - 122

123 124

Plate 42

Figs 1-5: *Pseudostaurosira* sp., p. 14 [PDTS]

Scale bars = 1 μm

Figs 1-5: Campinho, Aravil River (Tejo basin), 12-07-2006.

Fig. 1: External valve view.

Figs 2, 3, 4: Internal valve view.

Fig. 5: Girdle view.

Pseudostaurosira

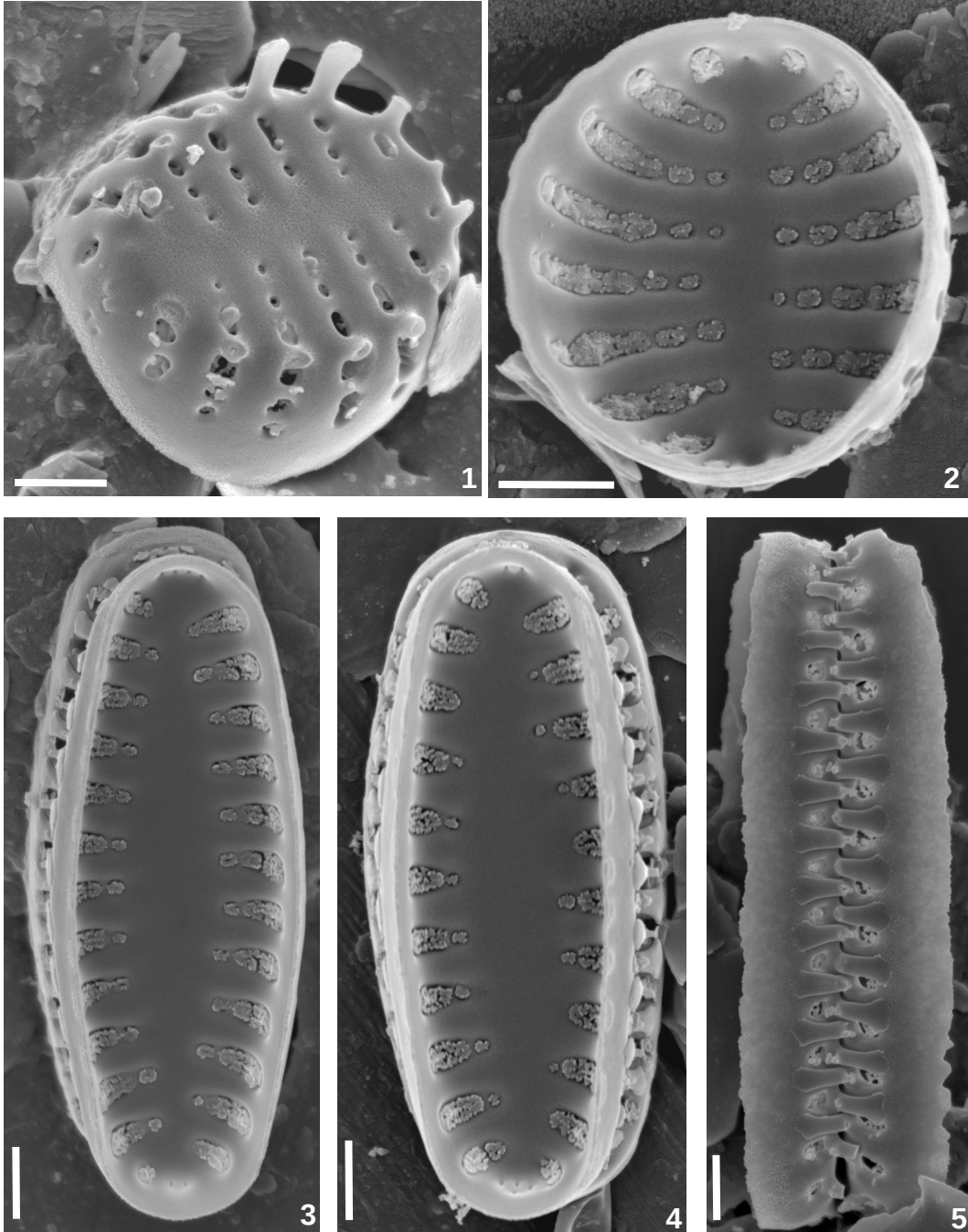


Plate 43

Figs 1-3: *Fragilaria canariensis* Lange-Bertalot, p. 11 [FCAN]

Scale bars = 1 μm

Figs 1-3: Campinho, Aravil River (Tejo basin), 12-07-2006.

Figs 1, 3: External valve view.

Fig. 2: Internal valve view.

Fragilaria

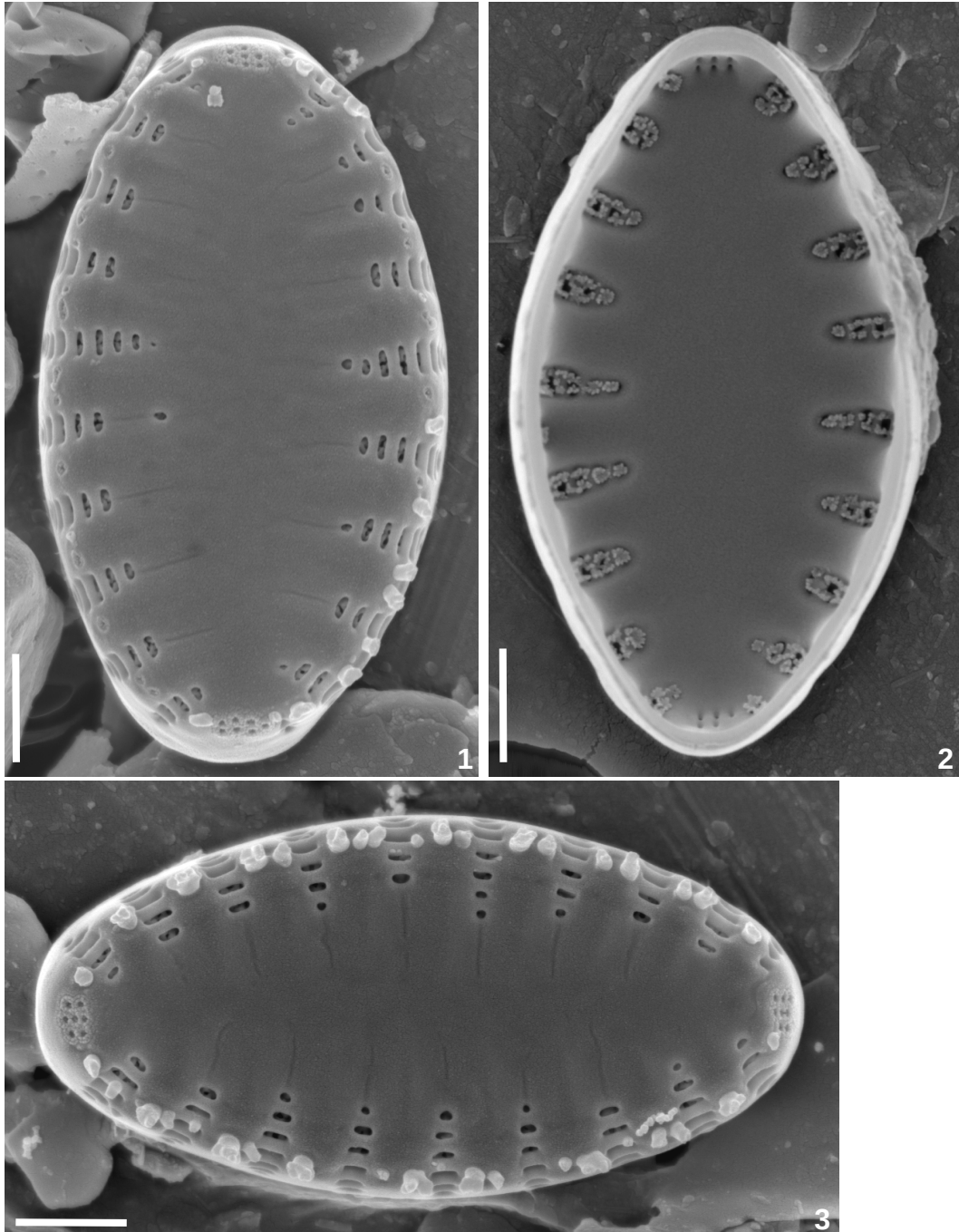


Plate 44

LM: x1500

Figs 1-90: *Staurosira construens* var. *binodis* (Ehrenberg) Hamilton, p. 15 [SCBI]

Scale bar = 10 μm

Figs 1-37: Poldras Stream (Douro basin), 15-09-2007.

Figs 38-49: Chamusca, Tejo River (Tejo basin), 06-07-2006.

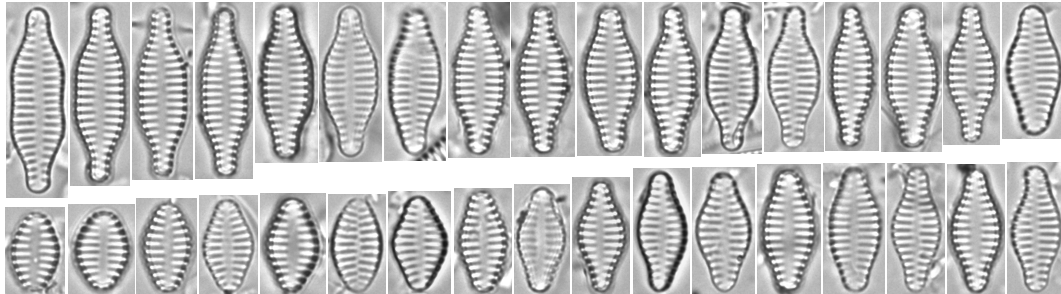
Figs 50-65: Saucelle, Douro River (Douro basin), 14-09-2007.

Figs 66-90: Junqueira, Maças River (Douro basin), 12-08-2007.

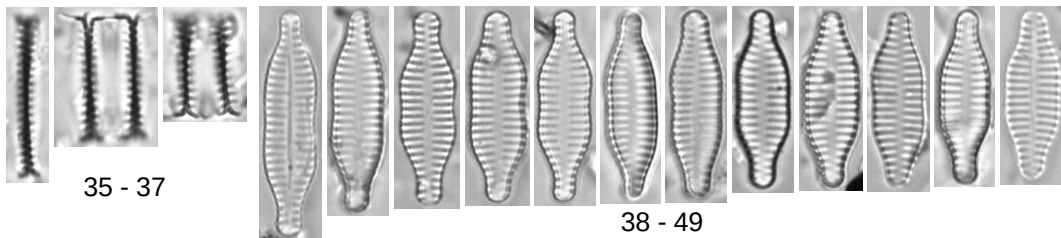
Figs 1-34, 38-64, 66-89: Valve view.

Figs 35-37, 65, 90: Girdle view.

Staurosira

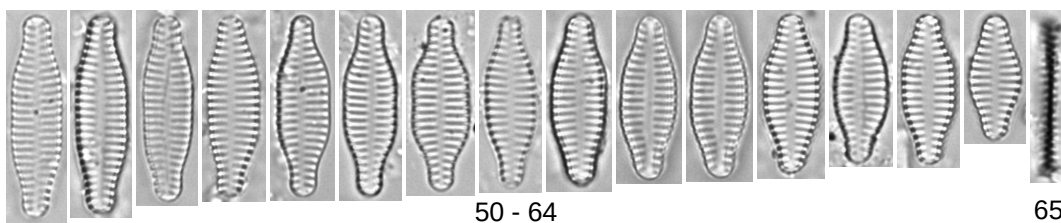


1 - 34



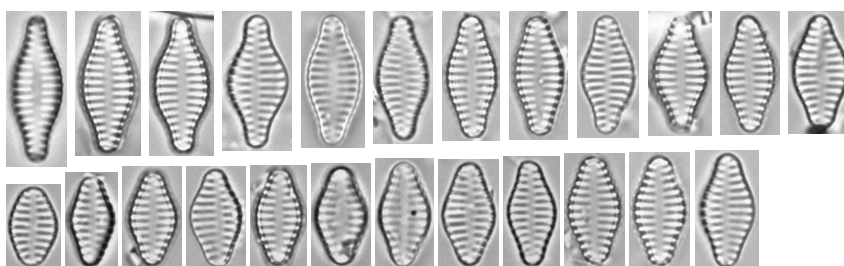
35 - 37

38 - 49



50 - 64

65



66 - 89



90

Plate 45

Figs 1-4: *Staurosira construens* var. *binodis* (Ehrenberg) Hamilton, p. 15 [SCBI]

Scale bars = 1 μm

Figs 1-4: Saucelle, Douro River (Douro basin), 14-09-2007.

Figs 1: External valve view.

Figs 2, 3: Internal valve view.

Fig. 4: Girdle view.

Staurosira

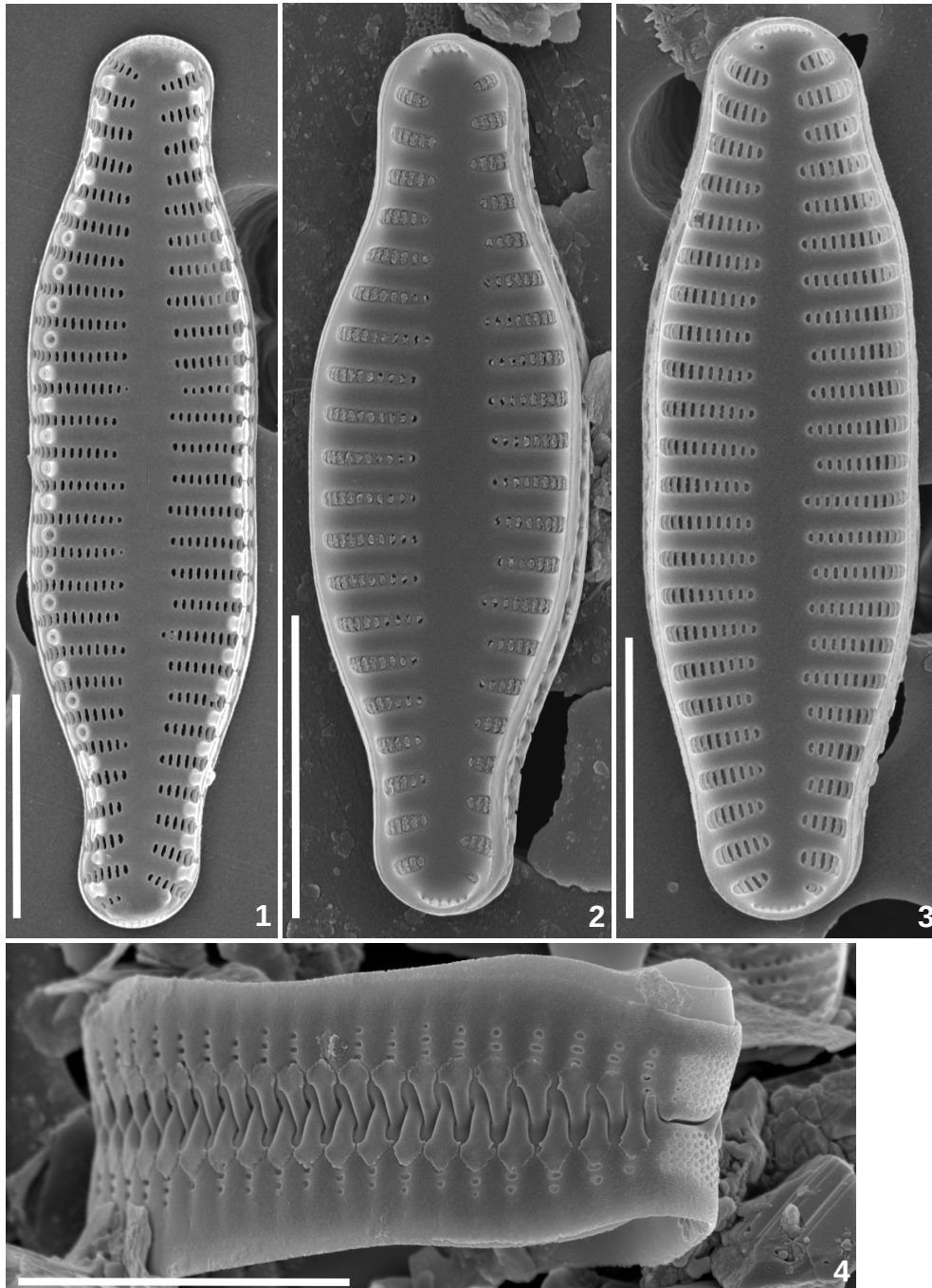


Plate 46

LM: x1500

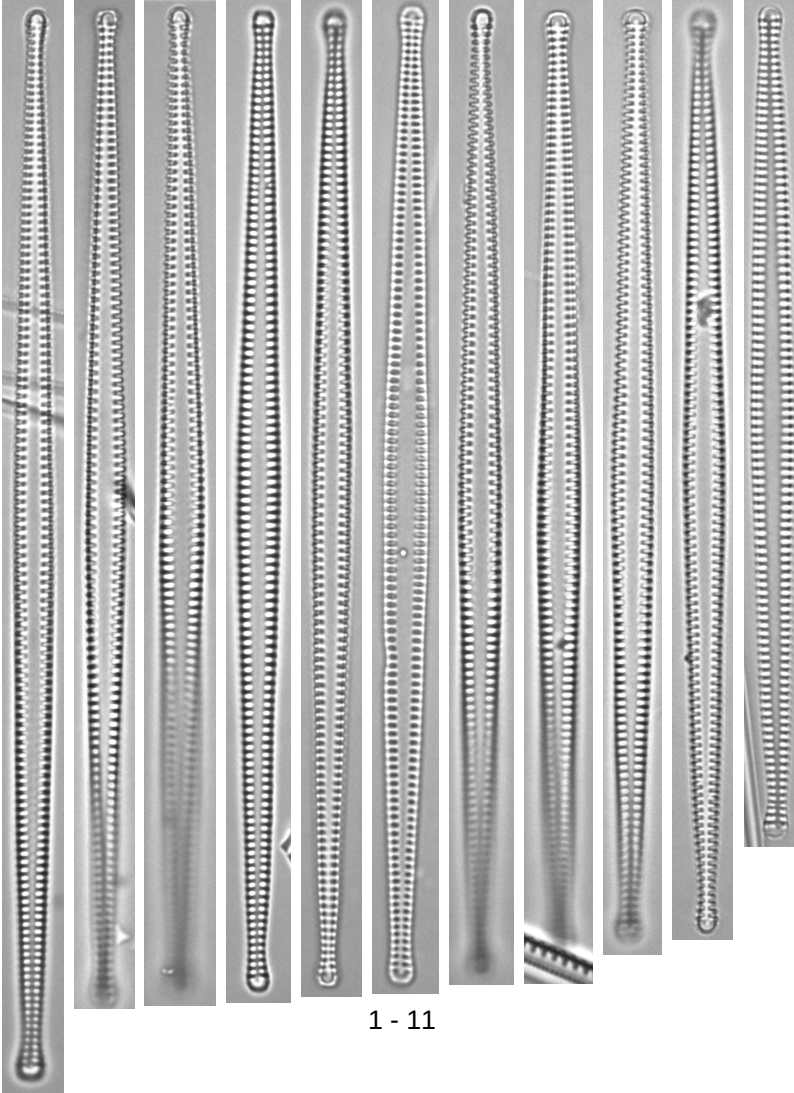
Figs 1-11: *Tabularia* sp., p. 15 [TBSP]

Scale bar = 10 μm

Figs 1-11: Gomes Aires, Mira River (Mira basin), 25-04-2006.

Figs 1-11: Valve view.

Tabularia



1 - 11

Plate 47

LM: x1500

Figs 1-10: *Ulnaria delicatissima* var. *angustissima* (Grunow) M. Aboal & P.C. Silva, p. 16 [UDEA]

Scale bar = 10 μm

Figs 1-10: Bravura, Odiáxere Stream (Ribeiras do Algarve basin), 14-04-2006.

Figs 1-10: Valve view.

Ulnaria



1 - 10

Plate 48

LM (Figs 1-3): x750; LM (Figs 4-18): x 1 500

Figs 1-18: *Ulnaria biceps* (Kützing) Compère, p. 15 [UBIC]

Scale bars = 10 µm

Figs 1-18: Lezíria, Zêzere River (Tejo basin), 08-07-2006

Figs 1-18: Valve view.

Figs 1-3: Complete valve.

Figs 4-18: Details of the apices.

Ulnaria

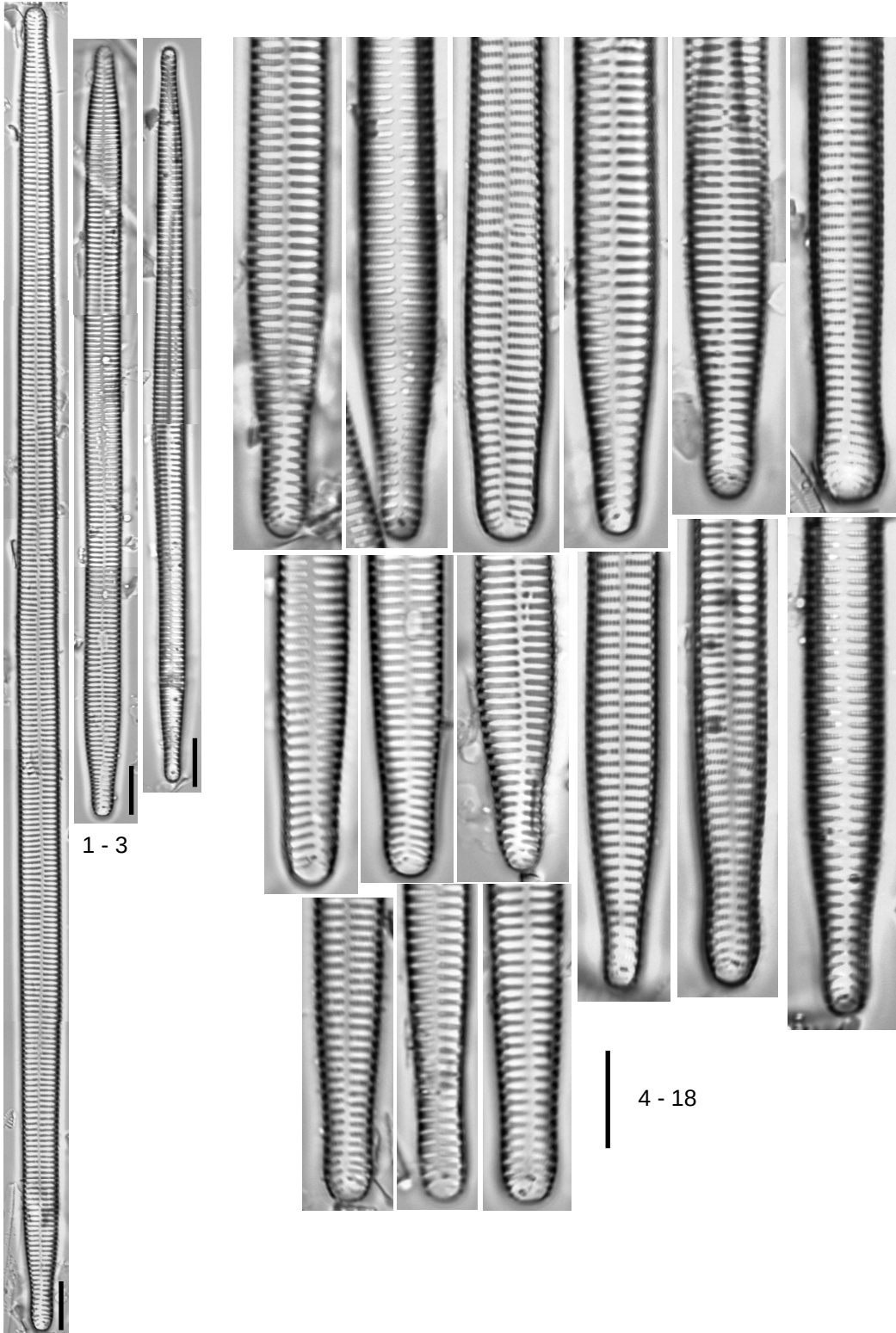


Plate 49

Figs 1-5: *Ulnaria biceps* (Kützing) Compère, p. 15 [UBIC]

Scale bars = 1 μm

Figs 1-5: Lezíria, Zêzere River (Tejo basin), 08-07-2006

Figs 1-4: Detail of the apical area in external view.

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

Ulnaria

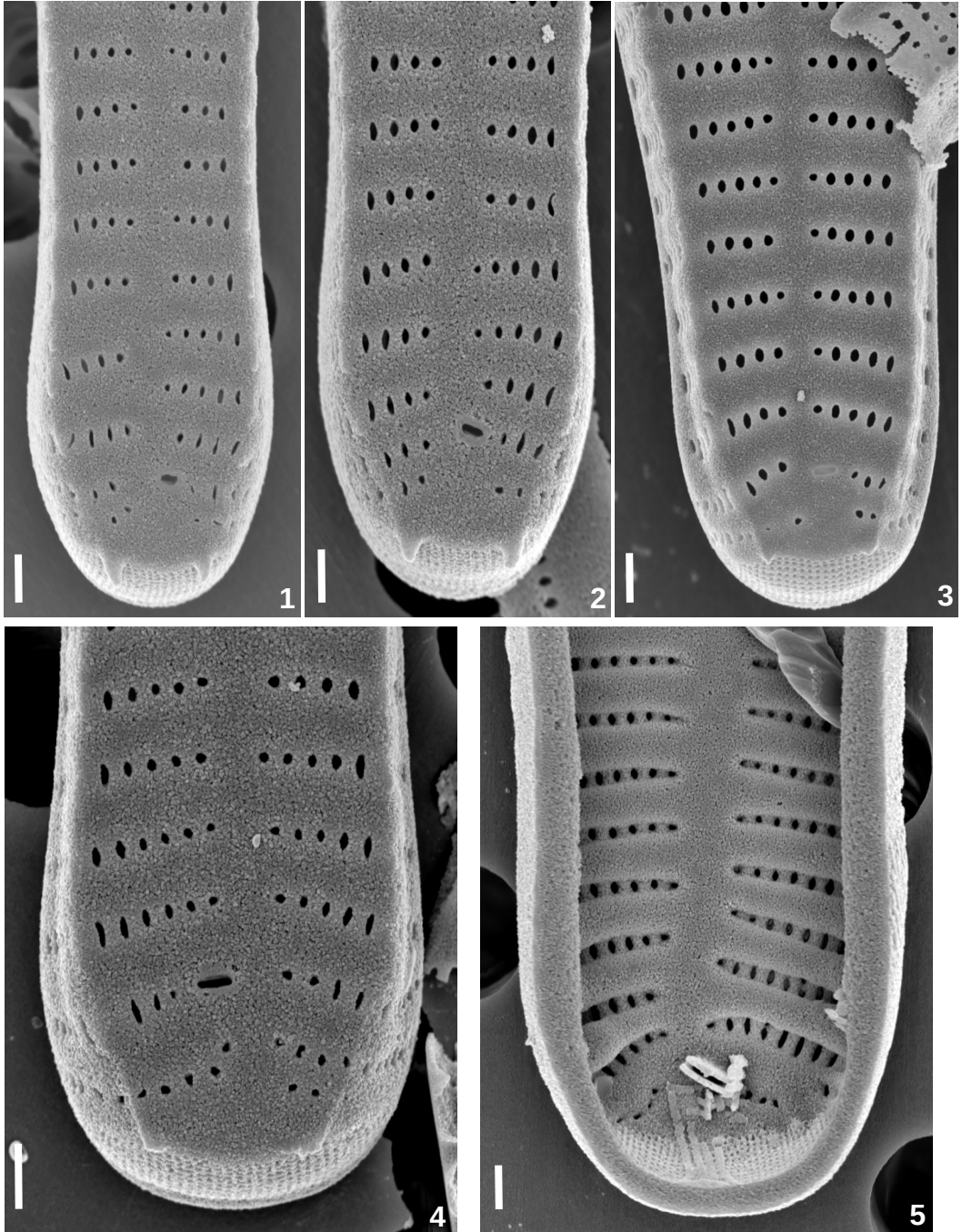


Plate 50

LM (Figs 1-7): x1500; LM (Figs 8, 9): x1000

Figs 1-9: *Ulnaria ulna* (Nitzsch) Compère, p. 16 [UULN]

Scale bars = 10 µm

Figs 1-9: Escusa, Sorraia River (Tejo basin), 03-07-2006.

Figs 1-9: Valve view.