

344. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 2,100
Valve, valve view - central part; note slight eccentricity of raphe system, long fibulae, round/oval portulae (becoming more densely spaced near the rostra).
345. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 4,350
Valve, valve view - centre; note striae, central raphe endings, larger central portula (interspace).
346. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 4,350
Valve, girdle view - central part of raphe system; note 'double helictoglossa', central expansion of raphe-sternum, thinness of fibulae.
347. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 4,350
Valve, girdle view - part of rostrum.
348. Nitzschia sp.C (Eilat) (sect. Nitzschiella)
x 4,350
Valve, valve view - pole; note helictoglossa.
349. Nitzschia epithemioides (sect. Epithemioideae)
x 3,000
Valve, * in valve view; note central constriction of valve, 'central nodule', fibula morphology.
350. Nitzschia epithemioides (sect. Epithemioideae)
(no scale)
Cell, valve view; note size of chromatophores.
351. Idem. (no scale)

551. Nitzschia curta (sect. Fragilariopsis) x 60,000
Valve poroids.
552. Nitzschia epithemioides (sect. Epithemioidae)
x 60,000
Valve poroids; note cribra.
553. Nitzschia sinuata (sect. Grunowia) x 60,000
Valve poroids; note cribrum-like structures.
554. Nitzschia sinuata (sect. Grunowia) x 60,000
1st band poroids; compare with F.553.
555. Nitzschia amphibia (sect. Lanceolatae) x 60,000
Valve poroids; note cribrum-like structures.
556. Nitzschia solgensis (sect. Grunowia) x 60,000
Valve poroids.

800. Nitzschia solgensis (sect. Grunowia) x 12,300
Valve - outside.
801. Nitzschia solgensis (sect. Grunowia) x 24,300
Valve - 'end-on' view; note curvature of terminal fissure, absence of marginal ridge.
802. Nitzschia solgensis (sect. Grunowia) x 15,000
Valve - inside; note helictoglossa (arrow), interruption of striae near distal fibula bases.
803. Nitzschia solgensis (sect. Grunowia) x 6,200
Valve - inside: form with abnormally extended fibulae (contrast F.802).
804. Nitzschia epithemioides (sect. Epithemioideae)
x 2,650
Valve - inside.
805. Nitzschia epithemioides (sect. Epithemioideae)
x 23,300
Valve, inside - part; note cribra in poroids.

806. Nitzschia epithemioides (sect. Epithemioidae)
x 13,300
Valve inside - part; note rib-like extensions of
the fibulae, narrow marginal strip.
807. Nitzschia epithemioides (sect. Epithemioidae)
x 13,300
Valve, inside - centre; note central raphe endings,
central expansion of raphe-sternum, fibula morph-
ology - especially the blocked 'interspaces'
(arrow).
808. Nitzschia dissipata (sect. Dissipatae) x 12,300
Valve pole - inside; note narrowing of slit into
subraphe canal near pole.
809. Nitzschia dissipata (sect. Dissipatae) x 12,300
Valve, outside - part; note the external flaps
(arrows).
810. Nitzschia dissipata (sect. Dissipatae) x 24,300
Valve, inside - part.
811. Nitzschia dissipata (sect. Dissipatae) x 12,400
Valve pole - outside, distal aspect; note external
flap, polar raphe ending.