

STAR diatoms 14-6-02

**Note: use the provided taxoncodes when communicating species-lists and -counts!**

Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
AAMO	<i>Achnanthes amoena</i> Hustedt	1952p386f66-67, LBK89p21S87, f583:21 Chang92		=KAMO(KS79=AORI=ATRC=ALOB)KLB91p44f26/7-23 (=AMJA?)
AATO	<i>Achnanthes atomus</i> Hustedt	1937p194 f13:33-36 LBK89f59:15-18 S87f325:32-		LB80=APYR.ASAT.ABIA.ADEF.AREI.ALJA.
AAUS	<i>Achnanthes austriaca</i> Hustedt	1922 p.75 f.18:7-12 S87 p.69 f.93:1-11		=EUAU(=ALAE pp.=ALAA pp)
ABIA	<i>Achnanthes biasolettiana</i> Grunow var. <i>biasolettiana</i> Grunow in Cleve & Grun.	1880p22LBK89p26f57/1-7f58-60KLB91p63f36/1-18		=ADBI(=ALIN W sm. pp.=APYR )
ABSU	<i>Achnanthes biasolettiana</i> Grunow var. <i>subatomus</i> Lange-Bertalot	LBK89p28f59:1-11'f57:8 KLB91p63f36/24-31 35/6		=ADSU(=ASTM)
ABIO	<i>Achnanthes bioretii</i> Germain(=Psammothidium)	1957 p85 f.21 LBK89p30f.21:19-35		=PBIO(=NVHE) KLB91p19f12/1-9
ACTT	<i>Achnanthes catenata</i> Bily & Marvan	1959 p.34 f8:1-4 LBK89 p.37f55:30-32		=ADCT KLB91p62f34/23-24
ACHL	<i>Achnanthes chlidanos</i> Hohn & Hellerman	1963 KLB91p20f12/21-31		=PCHL(=AKRY pp.)
ACLE	<i>Achnanthes clevei</i> Grunow var. <i>clevei</i> (=Karayevia)	1880 p.21 LBK89 p.38f.39:17-27 f40:1-6		=KCLE(=ACCLKLB91p35f21/10-17)
ACOA	<i>Achnanthes coarctata</i> (Brebisson) Grunow in Cl. & Grun.	1880p20 LBK89p39f13:9-16 KLB91p5f2/1-8 4/1-2		(=ACEL=AC.var.constricta Krasske)
ACON	<i>Achnanthes conspicua</i> A.Mayer	1919p198f6:9-10 LBK89 p40f32:1-19 f32:28-31		(=ACBR=?APIN) KLB91p28f16/22-23
ACBR	<i>Achnanthes conspicua</i> A.Mayer var. <i>brevistriata</i> Hustedt	1930 p.202 f292 SIM87 f192:10-17		=ACON LBK89 p41f32:1-19 f32:28-31f31:8
ACUR	<i>Achnanthes curtissima</i> Carter	1963 KLB91p21f11/1-8		(=AMCP=COMI)
ADAO	<i>Achnanthes daonensis</i> Lange-Bertalot	1989 p43f19:27-32'95:1-13f25:1-6		=PDAO=PGDA(±AHEL)KLB91p20f12/12-20
ADAU	<i>Achnanthes dau</i> Foged var. <i>dau</i>	1962p14f1:10 LBK89p44f45:1-3f46:4-6		=PDAU(=ACDA=AGRN?)(=APLOssKS)KLB91p47f13-24
ADEL	<i>Achnanthes delicatula</i> (Kutz.) Grun. ssp. <i>delicatula</i> Grunow in Cl. & Grun	1880p22 LBK89 p.44f80:1-23 KLB91p71f39/1-33		=PTDE
ADHA	<i>Achnanthes delicatula</i> (Kutz.) Grun. ssp. <i>hauckiana</i> Lange-Bertalot & Ruppel	1980 p6f1:1-20 LBK89 p.45f87:14-23' f.90:5-6		=PTHA(=ACHA=AHAU=AFTC=AHAE)AH60 KLB91p72f40
ADET	<i>Achnanthes detha</i> Hohn & Hellerman	1963p274f2:7-8 PR66 Kreiss79 Kob84 LBK89p47f2		=PSAT(ASAT=AOC=AUMA=ASUT)
ADID	<i>Achnanthes didyma</i> Hustedt	1933p405f857 LBK89p48f27:14-19 96:4-5 S87f221		=PDID KLB91p21f10/28-33 11/18
AENG	<i>Achnanthes engelbrechtii</i> Cholnoky	1955-59 Cf.Schoeman & Ashton		=ACEN(=ADEN KLB91p72f39/24-33)
AEXG	<i>Achnanthes exigua</i> Grunow in Cl. & Grun.var. <i>exigua</i>	1880p21 LBK89p51f45:4-23'KLB91p38f23/1-27 6/4		(=AEHE=AECO)
AEXI	<i>Achnanthes exilis</i> Kutzing	1833 LBK89p54f53:1-7 10-14,54:1-10		(=A.leiblinii Ag. 1832 ?)
AGRN	<i>Achnanthes grana</i> Hohn & Hellerman	1963 p274 f2:9-10 LBK89 p.61 f.81:15-17 f.93:		=PGRN(=ACPG=ADAU ?)KLB91p45f38/1-12
AGRS	<i>Achnanthes grischuna</i> Wuthrich	1975 p.303 f.7:7-20 LBK89 p.62 f.26:22-36 62:		=PGR1(cf.Reich. 84 (Altmuhl) KLB91p24f13/24-40

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AHEL	<i>Achnanthes helvetica</i> (Hustedt) Lange-Bertalot	1989p63f19:1-20,26f20:1-6 96:6-11S87f220:1-9		=PHEL(=AAHE=AKEN=AATL=AAVE)KLB91p18f10/12-27
AHIN	<i>Achnanthes hintzii</i> Lange-Bertalot & Krammer	1989p.64f.36:22-26 SIM87f504:13-16		(=CSEM) KLB91p25f14/11-18
AHUN	<i>Achnanthes hungarica</i> Grunow in Cleve et Grun.	1880p20 LBK89 p66f35:11-27 34:8		=LHUN(=AAND=APHU)KLB91p33f19/1-15
AIPX	<i>Achnanthes impexa</i> Lange-Bertalot	1989 p.67 f.74:1-6 f.75:1		(=NIPX?)
ACHN	ACHNANTHES J.B.M. Bory de St. Vincent	RCM90 p.502 f.a-j	MONORAPHIDEES ACHNANTHALES	
AKOL	<i>Achnanthes kolbei</i> Hustedt	1930p204f279LBK89p74f41:21-29 40:7-9		=KKOL SIM87f192:29-38 Reic.84 KLB91p37f22/5-12
AKRZ	<i>Achnanthes kranzii</i> Lange-Bertalot	1989 BD18p74f55:13-21 62:6-8 KLB91p64f34/25-3		
ALVU	<i>Achnanthes lacus-vulcani</i> Lange-Bertalot	1989 BD18p80f26:39-43 KLB91p21f15/1-2		=PLVU(=CTHI)
ALVS	<i>Achnanthes laevis</i> Oestrup var. <i>laevis</i> Oestrup	1910 p130f3:80 LBK89 p.81 f.18:1-6,26 96:13-1		=EULA(F73=AQUA=ALPP) KLB91p18f10/1-10
ALFR	<i>Achnanthes lanceolata</i> (Breb.) Grun. ssp. <i>frequentissima</i> Lange-Bertalot	LBK89p87LB93p4 f44/1-3 15-23 HLB93BD27p4		=PLFR(=APFR=ALAE=ALDUssVH85)Str90p243KLB91p78f
ALFF	<i>Achnanthes lanceolata</i> ssp. <i>frequentissima</i> var. <i>rostratiformis</i> Lange-Bertal	1993BD27p5 Bacill.2/4f43/15-24		(=ALRO Hust. 1911)
ALAR	<i>Achnanthes lanceolata</i> ssp. <i>rostrata</i> (Oestrup) Lange-Bertalot	1993BD27p6 LBK89p90f85:3-9 S87f4:6-7		=PRST(=ARST=AROS1902 =APIA?)KLB91p77f43/1-14
ALRA	<i>Achnanthes lanceolata</i> ssp. <i>robusta</i> var. <i>abbreviata</i> Reimer	1966 KLB91p79f46/4-9		=PPDT(=APTA=APLN=APST=ALAB ss KSTO79)
ALDU	<i>Achnanthes lanceolata</i> (Breb.)Grunow ssp. <i>dubia</i> (Grunow) Lange-Bertalot	1880p23. LBK89p86f84:26-40 1993BD27p3		=PTDU(=APDU=ALDU in Cl.&Grun80)KLB91p76f42/7-2
ALAE	<i>Achnanthes lanceolata</i> (Breb.)Grunow var. <i>elliptica</i> Cleve <i>Achnanthes lanceolata</i> (Breb.)Grunow var. <i>lanceolata</i>	1891p51 3/10-11 Hust.33p410f863n-o		=PTEL KLB91p76f41/9-10(=ALAE Schulz26ssCE53)
ALAN	Grunow	1880p.23 LBK89p83f84:1-16 f91:1		=PTLA(=ALCL)KLB91p76f41/1-8 25
ALAP	<i>Achnanthes lapidosa</i> Krasske var. <i>lapidosa</i> Krasske	1929p350f9 LBK89p92f71:1-10 72:6-7 73:1		=NULA KLB91p47f27/1-14(=N.abdita Krasske29)
ALAT	<i>Achnanthes laterostrata</i> Hustedt	1933p392f840 LBK89p94f39:1-16 42:1-3 44:6-7		=KLAT S87p134f220:18-26 KLB91p36f21/18-27 22/1
ALAU	<i>Achnanthes lauenburgiana</i> Hustedt	1950 p394f36:3-9 LBK89 p94f35:1-10 28:3-7		=PLAU S87 p358 f543:19-27 KLB91p26f14/27-34
ALEM	<i>Achnanthes lemmermannii</i> Hustedt var. <i>lemmermannii</i>	1933p390f837 LBK89p94f79:1-1')S87f220:10-12		KLB91p44f26/31-40
ALIN	<i>Achnanthes linearis</i> (W.Sm.) Grunow	cf. LBK 89 p.96 KLB91p68f37/19-23		=ALIO(=ALIF=AMIN ssHLB 80=APETpp=APUSpp)
ALIK	<i>Achnanthes linkei</i> Hustedt	1939p607f28-32 LBK89p97f83:1-4 S87p253f377:1-		=PLIK(=ALKE KLB91p69f40/21-22=APIC)

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ALUT	<i>Achnanthes lutheri</i> Hustedt	1933p405f858 S87f221:5-8 LBK89p98f32:27-37		KLB91p29f16/15-21
AMAR	<i>Achnanthes marginulata</i> Grunow in Cleve & Grun.	1880p21 LBK89 p98f26:1-18 95:15-21 214:4-7		=PMRG KLB91p23f13/1-20
AMIC	<i>Achnanthes microcephala</i> (Kutzing) Grun.	1895p188 Hust33p376f819		=AMIN(=ALIN=ABIA=AAFF)HLB 1981
AMIS	<i>Achnanthes minuscula</i> Hustedt	1945p907f39:8-12LBK89p99f79:11-14S87f505:1-1c		in Reich. 84 KLB91p45f26/41-46
AMAF	<i>Achnanthes minutissima</i> Kutz. var. <i>affinis</i> (Grunow) Lange-Bertalot	1989 BD18p104f53:22-37 56:5-7		=ADMf(=ACAF=AAFF)KLB91p58f33/13-22 35/3
AMIN	<i>Achnanthes minutissima</i> Kutzing v. <i>minutissima</i> Kutzing (Achnantheidium)	1833p578f54 LBK89f51:1-20 KLB91p56f32/1-24		=ADMI(=AMIC=ALIN=AMCR)
AMJA	<i>Achnanthes minutissima</i> Kutzing var. <i>jackii</i> (Rabenhorst) Lange-Bertalot	1980p18 LBK89f51:22-29:31-39KLB91p57f32/31-47		(=ALJA=AMRO)
AMSA	<i>Achnanthes minutissima</i> Kutzing var. <i>saprophila</i> Kobayasi et Mayama	1984JL45 1989DR4(1) LBK89p105f55:22-28		=ADSA KLB91p59f34/13-19A
AMON	<i>Achnanthes montana</i> Krasske var. <i>montana</i> Krasske	1929p350f8 LBK89f29:10-21 30:6,31:2		KLB91p31f17/22-34
AOBL	<i>Achnanthes obliqua</i> (Gregory) Hustedt	1924p613 LBK89p111f69:7-9 KLB91p33f18/18-1c		(=Navicula obliqua (Greg.)Cl.1891)
AOBG	<i>Achnanthes oblongella</i> Oestrup	1902p34f9 LBK89p111f33:1-26 34:1-7		(=ASAX cf. in Maillard 78 N.C.KLB91p29f16/1-14
AOST	<i>Achnanthes oestrupii</i> (Cleve-Euler) Hustedt var. <i>oestrupii</i> Hustedt	1930p207f301 LBK89p112f89:1-11 92:8		=PTOE(=ACPO=ALAO)KLB91p81f48/1-18
APER	<i>Achnanthes peragalli</i> Brun & Héribaud in Héribaud	1883p50f1:4 LBK89p116f89:14-22 93:6		=PTPE(=APEG=AOPA=APPA=APFO)KLB91p82f48/19-26
APET	<i>Achnanthes petersenii</i> Hustedt KLB91p67f37/24-40	1937p179f10-14LBK89p117f65:18-44S87f317:11-18		(=AKDE=APRO=AJAK=AHUS=APRL=APPE=APPR=ASON=AGR
APLO	<i>Achnanthes ploenensis</i> Hustedt var. <i>ploenensis</i> (=Kolbesia)	1930p199f280S87p116f192:1-6 KLB89p121f41:1-6		=KPLO KLB91p37f22/13-18
APGE	<i>Achnanthes ploenensis</i> Hustedt var. <i>gessneri</i> (Hustedt) Lange-Bertalot	1989p122f41:8-17 S87 p394f594:1-12		=KPLO?(=AGES=AWIC) KLB91p38f22/21-28
APUS	<i>Achnanthes pusilla</i> (Grunow)De Toni	1891p485 LBK89p127f64:31-43 65:1 66:1-3		=ACNP(=ALPU) KLB91p67f37/9-18 8/1
APYR	<i>Achnanthes pyrenaica</i> Hustedt	1939p554f5-10 S87 p248f371:9-17		=ADPY(=ABIA ss KLB91 (=AMIN in HLB 80)
AREC	<i>Achnanthes rechtensis</i> Leclercq	1983 BJB NB53 p501 f5:1-17 KLB91p35f20/13-23		=PSRE=PROS LBK89p129f48:23-33 50:7-9
ARSS	<i>Achnanthes rossii</i> Hustedt	1954p.467f.12-20 LBK89p.133f.48:1-21 S87f595:		=PROS(=ACSD) KLB91p34f20/1-12 7/1
AROS	<i>Achnanthes rostrata</i> Oestrup	1902p253f1:11 LBK89p133f85:3-6		=PRST(=ARST=ALARMoss&Carter83Bac2)KLB91p77f43/
ARPT	<i>Achnanthes rupestoides</i> Hohn	1961 KLB91p31f17/35-42		(=COHU=AHUS=AKRA)
ARUP	<i>Achnanthes rupestris</i> Krasske	1932p105f2:10 LBK89p134f29:25-30 94:8-10		KLB91p30f17/14-21

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ASCL	Achnanthes saccula Carter in Carter & Bailey-Watts	1981 p535f24:6NH33KLB91p26f15/19-28LBK89p134		=PSAC(=PSCTssLBK8937:5-6 LBK89p134f27:20-30 )
ASEA	Achnanthes semiaperta Hustedt	1945p910f39:4-7 LBK89p136f16-21 S87p326f506:2		(=COSE?) KLB91p26f14/19-26
ASTO	Achnanthes stolidia (Krasske) Krasske	1949p78f1-4LBK89p144f74:26-29KLB91p41f24/23-2		(=N.stolidia Krasske 1939 p386f31)
ASTB	Achnanthes straubiana Lange-Bertalot	1996ID2p26f78:21a-b BAC4p61f32:53-56		=ADSB(=AMIN largement elliptique)
ASAT	Achnanthes subatomoides (Hustedt) Lange-Bertalot et Archibald	KLB85p9 LBK89p145f21:1-18 22:1-3KLB91p24f14/1-		=PSAT(ADET=AOCC=ASUT=AUMA=AKAF=NSAT)
ASHU	Achnanthes subhudsonis Hustedt	1921p144f9-12 LBK89p146f68:28-38 S87f68:1-9		(Maillard N.C. 1978)
ASBS	Achnanthes subsalsa Petersen	1928p379f4 LBK89p147f43:1-12 KLB91p49f28/1-8		(=ASBO=ASSW)
ASUC	Achnanthes suchlandtii Hustedt	1933p406f859B LBK89p149f70:10-20S87f221:29-30		=KSUC(=NFLV=ALEW=CUTE=ASUR=AELG) KLB91f28/9-20
ATHE	Achnanthes thermalis (Rabenhorst) Schoenfeld var. thermalis Schoenfeld	1907p122 LBK89p151f77/1-2978/1KLB91p52f30/1-1		(=AGIB=ABIApp=AGRI=AGEL=AGIN=AGHY)
AZIE	Achnanthes ziegleri Lange-Bertalot	1993BD27p8f35/4-7 KLB91p39f23/33-38		
ADLA	Achnanthidium latecephalum Kobayasi	1997 NH65p152f19-40		(proche de AEUT)
ANMN	Actinocyclus normanii(Greg. ex Grev.) Hustedt morphotype normanii	1957 KLB91p88f81:1-2 Kiss&al.90		(=CRNO)
AROT	Actinocyclus rothii(Ehrenberg)Grunow			(=CROT? cf.Pierre)
APEL	Amphipleura pellucida Kutzing	1844 KLB86 p.263 f.98(4-6)		
AMPH	AMPHORA C.G. Ehrenberg ex F.T. Kützing	RCM 90 p.600:a-y	NAVICULACEES	
AAEQ	Amphora aequalis Krammer	1980 BAC3 KLB86 p.347 f.150(18-22)13(6)18(2)		
ACOF	Amphora coffeaeformis (Agardh) Kutzing	1844 KLB86 p.347 f.151(1-6)		
ACOP	Amphora copulata (Kütz) Schoeman & Archibald	Lee & Round 88 DR.3(2) p217.		(=ALIB=AOLI)
AMFO	Amphora fagediana Krammer	KLB85-86 p.346 f.150(14-17)		
AINA	Amphora inariensis Krammer	1980 BAC3 KLB86 p.345 f.150(1-6)		
ALIB	Amphora libyca Ehr.	Krammer 80 COMP75 KLB86 p345 f149(3-11)		=ACOP ?(=AOLI=AOAF)
AMMO	Amphora montana Krasske	1932 KLB86 p.349 f151(18-27) Carter & al DR8-1		(=ASMO in KLB 85)
ANOR	Amphora normanii Rabenhorst	KLB86 p.352 f.153(4-7) Carter & Round DR8(1)		
AOVA	Amphora ovalis (Kützing) Kutzing	1844 KLB86 p.344 f.149(1-2)2:7-9 7:7-8		
APED	Amphora pediculus (Kützing) Grunow	1880 KLB86 p.346 f.150(8-13)		(=AOPE=AMPEss VH.)Lee89
ATHU	Amphora thumensis (Mayer)A.Cleve-Euler	1932 KLB86p.351f.152(15-18)		(=CTHU Kram.80 BAC3))
AVEN	Amphora veneta Kutzing	1844 KLB86 p.348 f.151(7-17)		
ANBR	Anomoeoneis brachysira(Brebisson in Rabenhorst) Grunow in Cleve	1895 KLB86p.254f.94:1-9		=BBRE(=ASBR Chol.55-60=ASBT?)

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AVIT	Anomoeoneis vitrea (Grunow) Ross	1966 KLB86p.256f.15(6)94(21-28 30)		=BVIT(=BEXI=ANEX)
AFOR	Asterionella formosa Hassall	1850 KLB91p103f103:1-9 104:9-10		(=AGRA=AFGR)
AGRA	Asterionella gracillima (Hantzsch.) Hendey			=AFOR KLB91p103
AULA	AULACOSEIRA G.H.K. Thwaites	1848 RCM90 p.170 f.a-j	(=MELO pp.)	
AUAL	Aulacoseira alpigena(Grunow) Krammer	1990KLB91p34f2:3-7 30:1 31:1-11 32:10-16		(=MDAL=MDHE=AULA=AUDA Simon.79 Reich.1984)
AAMB	Aulacoseira ambigua (Grun.) Simonsen	1979 Bac.2 KLB91p25f21:1-16		(=MAMB)
AUDI	Aulacoseira distans (Ehr.)Simonsen	1979 Bac2 Reich.84 Haworth88 KLB91p32f29:1-23		(=MDIS) KLB91f30:1-11
AUDN	Aulacoseira distans(Ehr.) Simonsen var. nivalis(Wm.Sm.)Haworth	1988 (Lund book)p140f.6-11 1990DR5(1)p195		(=MDNI(W.Sm.)Kirchner1878) KLB91p33f30:2-10
AUGR	Aulacoseira granulata (Ehr.) Simonsen	1979Bac2 KLB91p22f16/1-2 17/1-10 18/1-14		(=MGRA)KLB91f19/1-9
AUGA	Aulacoseira granulata (Ehr.) Simonsen var.angustissima (O.M.)Simonsen	1979 Reich.84 KLB91p23f18:13		(=MGAN)
AUIT	Aulacoseira italica (Ehr.)Simonsen	1979 BAC2 Reich.84 Haworth88 KLB91p29f24:1,3-		(=MITA)KLB91p29f24:1,3-6 25:1-11
AITE	Aulacoseira italica (Ehr.)Simonsen var.tenuissima (Grun.) Simonsen	1979 BAC2 Reich.84 KLB91p30 f25:3		(=MITE)
ALIR	Aulacoseira lirata (Ehr.) Ross in Hartley	1986J.mar.Biol.Assoc.UK.66 Haworth88f.16-19		(=ADLI=MDLI)KLB91p37f34:1-12 36:1-2
ALAL	Aulacoseira lirata (Ehr.) Ross var.alpigena(Grunow) Haworth	1988(Lund b.)f.20-27p14 1990DR5(1)p195		=AUAL(=MDAL)
AMUZ	Aulacoseira muzzanensis (Meister) Krammer	1991NH53p478f1-22 KLB91p24f20:1-8		(=MGMU)
AUSU	Aulacoseira subarctica (O.Muller) Haworth	1988(Round)f43-48p143 KLB91p28f2:1 3:3 23:1-1		(=MISA=AISA)1990DR5(1)p195
AUTN	Aulacoseira tenuior Krammer	1990KLB91p39 f36:3-18		
BPAR	Bacillaria paradoxa Gmelin	1791 KLB88 p.8 f.87(4-7)		=BPAX
BBRE	Brachysira brebissonii Ross in Hartley ssp. brebissonii	1986LBM94BD29p20f12/6 13/12-14 24/11 41/1-18		(=ANBR)
BNEO	Brachysira neoexilis Lange-Bertalot	1994BD29p51f5/1-35 6/1-6 17/7-11 32/27-30 46/1		(=ANEX)MSLB95BD32p52
BPRO	Brachysira procera Lange-Bertalot & Moser	1994BD29p55f7/8-26 9/4-6 32/21-26		(=AELApp.=AEAZ)
BSER	Brachysira serians(Breb.)Round et Mann var. serians	1981AFP124LBM94p61f1/3-4 2/1-2 13/13 14/1-4		(=ASER)MSLB95BD32p54 LBM94 f35:1-3
BSTY	Brachysira styriaca (Grunow) Ross in Hartley	1986 LBM94BD29p67f11/1-15 12/4		(=ASTY)
BVIT	Brachysira vitrea (Grunow) Ross in Hartley	1986 LBM94BD29p71f3/1-31 4/1-6		(=NVRB=AVAR=AVIT)
CALO	CALONEIS		BIRAPHIDEES NAVICULACEES	
CAPS	Caloneis alpestris (Grunow)Cleve	1894 p.53 KLB86 p.386 f.170(3-7)		
CAMP	Caloneis amphisbaena (Bory) Cleve	KLB86 p.385 f.168(4)		
CBAC	Caloneis bacillum (Grunow) Cleve	1894 KLB86 p.390 f.173(9-20)		
CHYA	Caloneis hyalina Hustedt	1938 KLB86p390f173(6-8) S87p224f330:10-15		(=CCHAnon CHYA ss C-E.)(38 st/10µ)
CMOL	Caloneis molaris (Grunow) Krammer	1985 KLB86 p.394f.174(16-21)		(=PMOL=CCLessH30)
CSHU	Caloneis schumanniana (Grunow) Cleve	KLB86 p.387 f.171(1-11)		(=CAVE GERM81=CLIM)

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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
CSIL	Caloneis silicula (Ehr.)Cleve	1894 KLB86 p.388 f.172(1-13)7(6)9(3)		(=CAVE)
CATE	Caloneis tenuis (Gregory) Krammer	1985 KLB86 p.392 f.174(5-10)		(=PGRA)
CAVE	Caloneis ventricosa (Ehr.Donkin) Meister			=CSIL KLB86 p.388 f.172(1-13)7(6)9(3)
CCRU	Capartogramma crucicula(Grun.ex Cl.)Ross	1963p59-61f8-11 Cocquyt98p53f10/8-9,43/2		=STBR(=SZCR=SZBR)
CCOC	Cavinula cocconeiformis (Gregory ex Greville) Mann & Stickle	Round & al. 1990 p. 665		(=NCOC)
CPSE	Cavinula pseudoscutiformis (Hustedt) Mann & Stickle	Round & al. 1990 p. 665		(=NPSC)
CARC	Ceratoneis arcus (Ehr.) Kutzing	1844 in		=FARC(=HARC in P.R.66)
CHEV	Chamaepinnularia evanida (Hustedt) Lange-Bertalot	1996ID2p34		(=NEVA=NVNT)
CHME	Chamaepinnularia mediocris (Krasske) Lange-Bertalot	1996ID2p35		(=NMED)
CHSP	Chamaepinnularia sp.	Guyane 9428		
CDIS	Cocconeis disculus (Schumann) Cleve in Cleve & Jentzsch	1882 Hust33p345f799 Hendey64p178f28/19		KLB91p89f56/1-13 (C.thomasiana Brun 1895)
CNDI	Cocconeis neodiminuta Krammer	1991 p151f1-2/8-20 40-45(Germain b.)		(=CDIM) KLB91p90f55/1-4 56/18-32
CNTH	Cocconeis neothumensis Krammer	1991 p.151f1-2:21-39(Germain b.)		(=COTH)KLB91p91f57/8-31
CPED	Cocconeis pediculus Ehrenberg	1838 KLB91p89f55/1-8 57/1-4		(=C. depressa Kutz.1844)
CPLA	Cocconeis placentula Ehrenberg var. placentula	1838p194 Hust33p347f802ab		KLB91p86f49/2-4 50/5 51/1-5
CPPL	Cocconeis placentula Ehrenberg var. pseudolineata Geitler	1927 KLB91p87f54/3-11		
CPLE	Cocconeis placentula Ehrenberg var.euglypta(Ehr.)Grunow	1884 p97 Hust.33 p.349 f802c		KLB91p87f49/3 50/1 53/1-19
CPLI	Cocconeis placentula Ehrenberg var.lineata(Ehr.)Van Heurck	1880-85p133 30/31 Hust.33 p.348 f802d		KLB91p87f49/1 50/1-13(=C.lineata Ehr.1843)
COPS	Cocconeis pseudothumensis Reichardt	1982-1984 KLB91p92f56/14-17 94BBBG64f1/22-24		(=COTH in Schimanski 73)
COTH	Cocconeis thumensis A.Mayer	1919 H30p191f264 H33p346f801 Schim73 F 73-74		=CNTH Krammer 90 KLB91p91f57/8-31
COIR	Coscinodiscus oculus-iridis Ehr.			in RKF P.454
CRAC	Craticula accomoda (Hustedt) Mann	1990 p.666(RCM p.594:a-k) LB93BD27p12f69/14-15		(=NACO)
CAMB	Craticula ambigua (Ehrenberg) Mann	1990 p.666(RCM p.594:a-k)		(=NAMB=NCAM)
CRCU	Craticula cuspidata (Kutzing) Mann	1990 p.666(RCM p.594:a-k)		(=NAMB=NCAM)
CHAL	Craticula halophila (Grunow ex Van Heurck) Mann	1990 p.666(RCM p.594:a-k)		(=NHAL)
CSBM	Craticula submolesta (Hust.) Lange-Bertalot	1996ID2p39f104:1 Reich97DR12(2)p315f72-77		(=NSMO)
CDUB	Cyclostephanos dubius (Fricke) Round	1982 Theriot87,Hak.76 KLB91p64 f67:8a-9b		(=SDUB)
CINV	Cyclostephanos invisitatus(Hohn & Hellerman)Theriot Stoermer & Hakansson	1987 DR2(2)p.256 KLB91p63f67:3-4		(=STIN=SHST=SINC)
CATO	Cyclotella atomus Hustedt	1937S87p207f320:9-12 KLB91p53f51:19-21		cf.Hak97NH65p207
CAGR	Cyclotella atomus var. gracilis Genkal & Kiss	1993 Hydrobiologia 269/270p40f10-19		(=CCAS ss. Kiss & al 1989)
CBOD	Cyclotella bodanica Grunow var. bodanica Grunow	KLB91p54f53:1-6Kling&Hak.88DR3:1f.3-6,8,56,59		KLB91f54:1-2 57:1-3
CCAS	Cyclotella caspia Grunow	KLB91p47f46:1a-bNagumo85 Archib.84 Kiss&al88		(ss Kiss & al=CHAK=CLIT?)HH93DR8p338f11-21

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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
CCOS	Cyclotella costei Druart & Straub	1988 Schweiz Z.Hydrol.50(2)p182-83 f2:7-13		
CCCP	Cyclotella cyclopuncta Hakansson & Carter	1990KLB91p52 f51:7,10-14		
CDTG	Cyclotella distinguenda var.distinguenda Hustedt	1927KLB91 f43:1-10 John & al 91 DR6/2		(=CTEC=CKUT ss Coste 78)
CGLO	Cyclotella glomerata Bachmann	1911 KLB91p51f49:11Kl.&Hak88DR3(1)p76 Chang89		=CSGL ?
CIRI	Cyclotella iris Brun & Heribaud	1893 KLB91p47 f46:6-8		
CIOV	Cyclotella iris Brun & Heribaud var.ovalis Brun & Heribaud			
CKUT	Cyclotella kuetzingiana Thwaites	in Hak.90 NH100p.22f19-30		=CDTG(=CMEN??in Hak.90)
CMED	Cyclotella meduanae Germain	1981(Flore)p36f8:28 154:4-4a Nagumo85 Hak94DR9		Prygiel & Coste 90.Sabater&Klee90
CMEN	Cyclotella meneghiniana Kutzing	1844 Hak.90 NH100 p.21f1-17 KLB91p44f44:1-10		(possibles:CGAM CKUT CREC?)
COCE	Cyclotella ocellata Pantocsek	1902KLB91p51f50:1-11 13-14 f51:1-5		Hak.90 DR5/2p.266f11-17 42-44(=CKPL)
CPST	Cyclotella pseudostelligera Hustedt	1939 KLB91p51f49:5-7 S87p250f371:26-30		(=CSPG?)
CRAD	Cyclotella radiosa (Grunow) Lemmermann	1900 KLB91p57f62:5-6 9-12		(=CCOMpp=CMEL=CCRA)KL.HÅK88DR3:1p 66f9-12,15,23
CSOC	Cyclotella socialis Schutt	1899 KLB91 f64:12-14		
CSTE	Cyclotella stelligera Cleve et Grun (in Van Heurck)	1882KLB91p50f.49:1-4, ?9		
CWOL	Cyclotella woltereckii Hustedt	KLB90 f49:10 S87p270f400:7-14		=CSPW?
CELL	Cymatopleura elliptica (Brebisson)W.Smith var.elliptica	LBK87f51:1-5 KLB88p170f119(1-4)120(1-6)122(3)		
CLIB	Cymatopleura librile (Ehr.)Pantocsek	Schoeman & Archibald 1980 KLB88		=CSOL
CSAP	Cymatopleura solea (Brebisson) W.Smith var.apiculata (W.Smith) Ralfs	LBK87f50:2-3 KLB88 p.169 f.118(2 4-8)		(=CYLA)
CSOL	Cymatopleura solea (Brebisson) W.Smith var.solea	LK87f50KLB88p169f116(1-4)117(1-5)		(=CLIB SA.80)
CYMB	CYMBELLA C.Agardh 1830	RCM90 p.486 f.a-k	BIRAPHIDEES NAVICULACEES	
CAEQ	Cymbella aequalis W.M.Smith	KLB86 p.325 f.134(1-3)		=EAQL
CAFF	Cymbella affinis Kutzing	1844 KLB86 p.314 f.125(1-22) 10(1)		
CAPH	Cymbella amphicephala Naegeli	cf.KLB85-86 p.335 f.142(3-21)		(=COBT)
CAHE	Cymbella amphicephala Naegeli var.hercynica(A.Schmidt)Cleve	Germain 1981 KLB86 p.335 f.142(18-20)		(=CHER)
CANG	Cymbella angustata(W.M.Smith)Cleve	KLB86 p.328 f.135(15-18) ID6f58/9-11		
CASP	Cymbella aspera(Ehr.)Cleve	KLB86 p.319 f.131(1)7(1)8(2)11(5)		
CBRH	Cymbella brehmii Hustedt	1912p695f6 KLB86p307 f.119(29-31)		=ENBR(=ABRH GERM 81)
CCAE	Cymbella caespitosa(Kutzing)Brun (Encyonema)	KLB86 p.310 fig.121(12-16 122:1-5 8:1)		=ECAE RMC90 p.667 Kr97BD36p118
CCES	Cymbella cesatii (Rabh.)Grunow	KLB86 p.325 f.134(4-13)		=ECES
CCIS	Cymbella cistula(Ehrenberg)Kirchner	1878 KLB86 p.316 f.127(8-11)128(1-6)10(5)		
CCUS	Cymbella cuspidata Kutzing	KLB86 p.338 f.146(1-4)		=CBCU
CCYM	Cymbella cymbiformis Agardh	KLB86 p.317 f.129(2-9)5(5)12(5)		
CCNO	Cymbella cymbiformis Agardh var.nonpunctata Fontell	KLB86 p.317 f.129(7-8) P&R75		

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CDEL	<i>Cymbella delicatula</i> Kutzing	KLB86 p.330 f.137(1-11)		
CDES	<i>Cymbella descripta</i> (Hustedt)Krammer et Lange-Bertalot	KLB85-86 p.327f.135(1-5)		=EDES(=NDCR=CCCA=CBRO)
CELG	<i>Cymbella elginensis</i> Krammer	1980 KLB86p.310f.122(6-9)18(7)		=EELG(=CTUR Greg.1856)
CFAL	<i>Cymbella falaisensis</i> (Grunow) Krammer et Lange-Bertalot	1985 KLB86 p.326 f.134(14-22)		=ECFA(=CDIA=NINI)
CGRA	<i>Cymbella gracilis</i> (Ehr.)Kutzing	1844 KLB86 p.308 fig.120(1-16 12:3b 13:3)		=ENNG(=ENGR RCM90 p.667=CLUN?=ENLUpp)
CHEL	<i>Cymbella helvetica</i> Kutzing	KLB86 p.324 f.132(2-4)133(1-8)		
CHUS	<i>Cymbella hustedtii</i> Krasske	1923(CKOL in Compere81)KLB86p333f140(9-17)		
CKOL	<i>Cymbella kolbei</i> Hustedt			
CLAE	<i>Cymbella laevis</i> Naegeli in Kutzing 1849	KLB86 p.332 f.139(4-18)		dim:17-54/6-12 11-14sd 17-20sv
CLAN	<i>Cymbella lanceolata</i> (Ehrenb.) Kirchner	KLB86 p.319 f.131(2)		
CLEP	<i>Cymbella leptoceros</i> (Ehrenberg)Kutzing	KLB86 p.336 f.143(1-13)		
CMES	<i>Cymbella mesiana</i> Cholnoky (Encyonema)	1955 KLB86p304f118(1-8)		=ENME=ENMSpp(=CTURssCleve 1894 & H30 pp.=CMPG)
CMIC	<i>Cymbella microcephala</i> Grunow	KLB86 p.327 f.134(23-32)		=ENCM(=NIPC=CRUT)
CMIN	<i>Cymbella minuta</i> Hilse ex Rabenhorst (Encyonema)	1862 KLB86 p.305f.119(1-13 16:4)		=ENMI(=CVEN pp.)
CNAV	<i>Cymbella naviculiformis</i> Auerswald	KLB86 p.338 f.145(6-11)142(22)		
CNOR	<i>Cymbella norvegica</i> Grunow in A.Schmidt & al.	1875 KLB86 p.309 fig.120(19-24)(=CPNO)		=ENNO Kr97BD37p23f107:3-11 108:1-4
CPER	<i>Cymbella perpusilla</i> A.Cleve	KLB86 p.306 f.119(22-28)		=ENPE RMC90(=CBIP)
CPRO	<i>Cymbella prostrata</i> (Berkeley)Grunow (Encyonema)	KLB86 p.312 f.123(7-10)		=EPRO
CPRX	<i>Cymbella proxima</i> Reimer	PR75 KLB86 p.317 f.128(9)129(1)		
CREI	<i>Cymbella reichardtii</i> Krammer	1985 KLB86 p.307 fig.119(32-36)		=ENRE RMC 90p.667
CREH	<i>Cymbella reinhardtii</i> Grunow in A.Schmidt & al.	KLB86 p334 f.141(1-3)		
CSLE	<i>Cymbella silesiaca</i> Bleisch in Rabenhorst (Encyonema)	1864 KR83 KLB86p.304f.117(1-24)		=ESLE(=CMSI=CVENpp)
CSIN	<i>Cymbella sinuata</i> Gregory	KLB86 p.341 f.148(10-17)		=RSIN Kociol. & Stoerm. 87
CSAE	<i>Cymbella subaequalis</i> Grunow	KLB86p.334f.141(4-19)		(=CAEQssCl.1894 Hust.30)
CTRG	<i>Cymbella triangulum</i> (Ehr.) Cleve (Encyonema)	PR75p45f7/7-10 Bert.&Coste 95		=ENTR
CTUM	<i>Cymbella tumida</i> (Brebisson)Van Heurck	KLB86 p.318 f.130(4-6)		
CTGR	<i>Cymbella tumida</i> (Brebisson)Van Heurck var. <i>gracilis</i> Hustedt	In Watanabe 86		
CTMD	<i>Cymbella tumidula</i> Grunow in A.Schmidt & al.	KLB86 p.315 f.126(8-19)127(1-7)		
CTLA	<i>Cymbella tumidula</i> Grunow var. <i>lancettula</i> Krammer	KLB86 p.315 f.127(1-7)		
CTUR	<i>Cymbella turgida</i> Gregory	1856p5f1:18		=EELG(=CELG=ENTU)
CTGL	<i>Cymbella turgidula</i> Grunow in A.Schmidt & al.	KLB86 p.314 f.126(4-7)		
CVEN	<i>Cymbella ventricosa</i> Agardh			=CMIN
DTEN	<i>Denticula tenuis</i> Kutzing	1844 LBK87p67 KLB88p139f95(4-25)f100(15-17)		(=DTCR)
DTCR	<i>Denticula tenuis</i> Kutzing var. <i>crassula</i> (Naegeli)Hustedt	LBK87p67 )		=DTEN KLB88p139f95(4-25)f100(15-17)



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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
DIAM	DIADESMIS F.T. Kützing	1844 RCM 90 p.530:a-i	NAVICULACEES (EX:=NCOF)	
DBCP	Diadasmus biceps Arnott	1998BD38p137		
DCOF	Diadasmus confervacea Kützing	1844 in MSLB95BD32p128f58/6-7		(=NCOF)
DCON	Diadasmus contenta (Grunow ex V. Heurck) Mann	1990 p666(p.530:a-i) MLBM98BD38p140f28/5-7		(=NCON)
DCOT	Diadasmus contenta (Grunow ex V. Heurck) Mann	1990 p666(p.530:a-i)		(=NCON)
DCBI	Diadasmus contenta Grun.var. biceps (Grun. in V.H.) Hamilton	1992DR7(1):30		=DCOT RMC 90 p.666
DGPE	Diadasmus gallica var. perpusilla (Grunow) Lange-Bertalot	1996ID2p45f24:19		(=NPEP=NGPE=DPEP)
DPEP	Diadasmus perpusilla (Grunow) Mann	1990 p666(p.530:a-i)		=DGPE(=NPEP=NGPE)
DIAT	DIATOMA J.B.M. Bory de St. Vincent	1824 RCM90 p.364 f.a-j	ARAPHIDEES DIATOMACEES	
DANC	Diatoma anceps (Ehr.) Kirchner	1878 KLB91p100f102:4-10		
DEHR	Diatoma ehrenbergii Kützing	KLB91p97f92:5 95:8-14 Williams85 BD.8		(=DVGR=DVUE)
DECA	Diatoma ehrenbergii Kützing f. capitulata (Grunow) Lange-Bertalot	1993BD27p22f3:4-14		(=DVCA)
DHME	Diatoma hiemale (Lyngbye) Heiberg var.mesodon (Ehr.) Fricke	1862p357		=DMES(=DHQU) Wil85p147f4:38-41 KLB91p100f92
DHIE	Diatoma hiemalis (Roth) Heiberg var. hiemalis	1863 KLB91p99f97:6-10 98:1-6		(=DHME=DHQU) KLB91f91/1 92:1-4 98:7 99:1-12
DMES	Diatoma mesodon (Ehrenberg) Kützing	1844p47f17:13 Williams85p147f4:38-41KLB91p100		(=DTMO)(Coste Himalaya Guettinger)
DMON	Diatoma moniliformis Kützing	1833 KLB91f92:6 96:11-21)		
DPRO	Diatoma problematica Lange-Bertalot	1993BD27p23f6:11-15 21-27 7:1-6 8:1-5		
DITE	Diatoma tenuis Agardh	1812 KLB91p97f96:1-10		(=DELO=DTEL=DEL) cf.P.& R. 66
DTEL	Diatoma tenuis Agardh var.elongatum Lyngbye			(=DELO) cf.P.& R. 66
DVUL	Diatoma vulgare Bory 1824	KLB91p95f91:2-3 93:1-12 94:1-13 95:1-7 97:3-5		(=DVOV=DVDI=DVLI=DVPR)
DVOV	Diatoma vulgare Bory morphotype ovalis	KLB91 p.95 f94/7		=DMOV(=DVUL var. ovalis (Fricke) Hust. 31 )
DIPL	DIPLONEIS C.G. Ehrenberg ex P.T. Cleve	1894 RCM 90 p.562:a-i	NAVICULACEES	
DELL	Diploneis elliptica (Kützing) Cleve	1891 KLB86 p.285 f108(1-6) 2000ID9f4:13 7:1-3		
DMAR	Diploneis marginestriata Husted	1922 KLB86 p.292 fig.110(3-5)(Germ.81 Idei88)		
DMIN	Diploneis minuta Petersen	1928 KLB86p292f112(5-6)		(ssGERM81=DPET)Idei86
DOBL	Diploneis oblongella (Naegeli) Cleve-Euler	1922 KLB86p.287f.108(7-10) Kr00DE1p652		(=DOOB Comper.75Tchad)
DOCU	Diploneis oculata (Brebisson) Cleve	KLB86 p.293 fig.110(13-15)(Idei86 JJP34)		
DOVA	Diploneis ovalis (Hilse) Cleve	1891 KLB86 p.286 f.108(14-16)		
DOOB	Diploneis ovalis (Hilse) Cleve var.oblongella (Naegeli) Cleve	1894 KLB86p287 f108:7-10		=DOBL
DPAR	Diploneis parva Cleve	1891 KLB86 p.287 fig.109(1-7)(Idei88 9DS.p397		

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DPET	<i>Diploneis peterseni</i> Hustedt	Foged74 KLB86 p.293 f.110(16-17)		
DPUE	<i>Diploneis puella</i> (Schumann) Cleve	1894 KLB86 p.289 f.109(15-16)		
EARE	<i>Ellerbeckia arenaria</i> (Moore) Crawford	1988 in Round KLB91p17f3/6 14/1-5 15/1-5		(=MARE)
ELAR	<i>Ellerbeckia arenaria</i> (Moore ex Ralfs) Crawford	1988(in Round Alg.&Aquat.Envir.p.421f1-32		(=MARE)
ECAE	<i>Encyonema caespitosum</i> Kützing	1849p61 Kram97BD36p118f65:1-17 66:7-13 67:1-8		(=CCAIE=CPRO ssH30pp=CPAWpp)
ENME	<i>Encyonema mesianum</i> (Cholnoky) D.G. Mann	RCM90 p.666(p.490 f.a-j)		(=CMES)
ENMI	<i>Encyonema minutum</i> (Hilse in Rabh.) D.G. Mann	RCM90 p.667(p.490 f.a-j)Kram97BD36p53f6:19-27		(=CMIN=CVEN ss Ktz1844pp=C.chandolensis Gandhi
ENNG	<i>Encyonema neogracile</i> Krammer	1997BD36p142f82/1-13 83/1-7 85/1-12		(=ENGR=CGRA)
ENPE	<i>Encyonema perpusillum</i> (A. Cleve) D.G. Mann	1990p667(p490fa-j)Kr97BD37p29f110 1-16 111:1-8		(=CPER)
EPRO	<i>Encyonema prostratum</i> (Berkeley) Kützing	1844p82 Kra97BD37p38f115:1-5 116:1-6 117:1-6 1		(=CPRO) Bd37p38f115:1-5 116-117- 118-119:1-6
ESLE	<i>Encyonema silesiacum</i> (Bleisch in Rabh.) D.G. Mann	1990p667(p490f.a-j Kram97p72f4:1-18 7:1-2,6-19		(=CSLE=CVEN Ag.pp=CMSI in PR75)
ESBA	<i>Encyonema subalpinum</i> (Hustedt) D.G. Mann	RCM90 p.667(p.490 f.a-j)		(=CSUB)
ENSU	<i>Encyonema subminutum</i> Krammer & Lange-Bertalot	1997BD36p58 f.319/17-24 f25/28-34		
EAQL	<i>Encyonopsis aequalis</i> (W.Smith) Krammer	1997 BD37 p132 f.165:1-11,15-16 167:7-10		(=CAEQ WSm. in Grev.1855)
ECES	<i>Encyonopsis cesatii</i> (Rabenhorst) Krammer	97BD37p152f182:1-13,183:10-12 184:4-7 185:1-7		(=CCES ASA71:48-49) K97 f186:10-11 187:17
ENCM	<i>Encyonopsis microcephala</i> (Grunow) Krammer	BD37p91 f143:1,4-5,8-26 146:1-5 147:1-3 149:1-		(=CMIC)
EADN	<i>Epithemia adnata</i> (Kützing) Brebisson	1838 KLB88 p.152 f.107(1-11)PR75		(=EZEZ=EZPR=EPTY)
EGOE	<i>Epithemia goeppertiana</i> Hilse	KLB88 p.150f.103(6-9)		(=EMUE)(=EAGO)
EINT	<i>Epithemia intermedia</i> Hilse	1860 LBK87p69 KLB88f1		=EARG? Rabh.Alg.Europ.1026
ESOR	<i>Epithemia sorex</i> Kützing	1844 p.33 5/12 KLB88 p.154 f.106(1-14)		
EUNO	EUNOTIA C.G. Ehrenberg	1837 RCM90 p.452f.a-i	BRACHYRAPHIDEES EUNOTIACEES	
EARB	<i>Eunotia arcubus</i> Nörpel & Lange-Bertalot	HLB93 BD27p24f16:1-6 19-21		(EABI=EUMI)
EARC	<i>Eunotia arcus</i> Ehrenberg var. arcus	1837HLB93p26f16:7-10 17:1-8 KLB91p185f147:1-17		(=EARD?)
EBDS	<i>Eunotia bidens</i> Grunow	1998 ID5 MZLBp350 F58/16-19		
EBIL	<i>Eunotia bilunaris</i> (Ehr.) Mills var. bilunaris	1934 KLB91p179f137:1-12 All.&No.91NH53f5:1-11		(=ELUN=ECUR=EPLU=ESPF) MLBM98p39f4/6
EBMU	<i>Eunotia bilunaris</i> (Ehr.) Mills var. mucophila Lange-Bertalot Nörpel & All	KLB91f138:10-19 20-24 NH53p196		(=E.subarcuata Naeg.Pant.1902)
EBOT	<i>Eunotia botuliformis</i> Wild Nörpel & Lange-Bertalot	1993BD27p29f33:2-15 1999ID6f6/1-2		(=EFAP=ETEN auct non Grunow)
ECUR	<i>Eunotia curvata</i> (Kützing)Lagerstedt	1884 in		=EBIL(=ELUN? cf.Patrick & Reimer 66)
EDEN	<i>Eunotia denticulata</i> (Brébisson) Rabenhorst	1864KLB91p206f157:19-28		(=EAND?)
EDIO	<i>Eunotia diodon</i> Ehrenberg	1837 p45 KLB91p191f149:13-16 HLB93BD27p3C		(=EISL=EBID pp.)
EETE	<i>Eunotia exigua</i> (Breb.) Rabenhorst var.tenella (Grunow) Nörpel et Alles	1991NH53p180 f2:24-54		(=ETEN ss Hust.1913 =E.arcus var. tenella)
EEXI	<i>Eunotia exigua</i> (Brebisson ex Kützing) Rabenhorst	1864 KLB91p199f153:5-43 Alles91NH53f2:1-23		

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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
EFAB	<i>Eunotia faba</i> Grunow	KLB91p225f164:1-10		(=EKOC=EVHK in P.&R.66)
EFAL	<i>Eunotia fallax</i> A.Cleve var. <i>fallax</i>	1895KLB90f150:16-24		
EFLE	<i>Eunotia flexuosa</i> (Brebisson)Kutzing	1849p6 KLB91p182f 140:8-18 LB96ID2f10:1-4		(=EMES=EPSF=EFEU?=EFBI?)
EFOR	<i>Eunotia formica</i> Ehrenberg	1843p414 KLB91p209f152:8-12AHLB93p31f27		
EGLA	<i>Eunotia glacialis</i> Meister	1912p85f10/2-3 KLB91p207f151:1-10A		(=EVAL Hust.1930 =EGRA in P. & R.66)
EIMP	<i>Eunotia implicata</i> Nörpel, Lange-Bertalot & Alles	1991NH53p206f7:19-32 KLB91p197f143:1-9A		(=EPMP ss H30 =E.impressa Ehr. ss. C.E.1953)
EINC	<i>Eunotia incisa</i> Gregory var. <i>incisa</i>	1854KLB91p221f161:8-19 162:1-2 163:1-7		(=EVEN excl.typus =EPSV?=E.revoluta CE32?)
EUIN	<i>Eunotia intermedia</i> (Krasske ex Hustedt) Nörpel & Lange-Bertalot	KLB91p215f143:10-15 HLB93BD27p32		(=EPMT=EVHI=EFAB var.interm.)
EMEI	<i>Eunotia meisteri</i> Hustedt	1930 S87p116f191:12-16 KLB91p202f154:1-1C		Alles & al 91 NH53p184f3:1-36
EMIN	<i>Eunotia minor</i> (Kutzing) Grunow in Van Heurck	1881 KLB91p196f142:7-15 Al.&No.91NH53f7:1-18		(=EPMI) NH53p202 f7:1-18
EMUS	<i>Eunotia muscicola</i> Krasske var. <i>muscicola</i>	1939KLB91p216f156:1-7		
EMTR	<i>Eunotia muscicola</i> Krasske var. <i>tridentula</i> Nörpel et Lange-Bertalot	KLB91p217f156:12-22		(=EPOL pp.=EPEP ss Patr.58)
EMPE	<i>Eunotia muscicola</i> Krasske var. <i>perminuta</i> (Grunow) Nörpel & Lange-Bertalot	KLB91p216f156:8-11		(=EPOL ssF81=E.perminuta(Grun.) Pat.58
EUPA	<i>Eunotia paludosa</i> Grunow in Van Heurck var. <i>paludosa</i>	1881 KLB91p203f155:1-20 Alles91 NH53f1:1-35		
EPEC	<i>Eunotia pectinalis</i> (Dyllwyn) Rabenhorst var. <i>pectinalis</i>	1864p73 KLB91p193f141:1-7 143:1		
EPMI	<i>Eunotia pectinalis</i> (Kutz.)Rabenhorst var. <i>minor</i> (Kutz.) Rabenhorst	1864 p.74 CE.53p84f409f		=EMIN
EPUN	<i>Eunotia pectinalis</i> (Kutz.)Rabenhorst var. <i>undulata</i> (Ralfs) Rabenhorst	1864 KLB91p193f141:1-5 7		(ss.Krasske=ECIR)
EPRA	<i>Eunotia praerupta</i> Ehrenberg var. <i>praerupta</i>	KLB91f148:1-3,14		
ERHO	<i>Eunotia rhomboidea</i> Hustedt	1950S87p361f546:3-8KLB91p223f162:3-4 164:11-2		(ETEN ss H30 pp.=EFAE=ETEN v. <i>capensis</i> Chol58?
ESER	<i>Eunotia serra</i> Ehrenberg var. <i>serra</i>	1837 KLB91p219f146:1-2		(=EROB pp=E.scarda Berg 1939)
ESTE	<i>Eunotia serra</i> Ehrenberg var. <i>tetraodon</i> (Ehrenberg) Nörpel	1991 KLB91p220f146:5		(E. <i>tetraodon</i> Ehr.1838)
ESDI	<i>Eunotia serra</i> Ehrenberg var. <i>diadema</i> (Ehr.) Patrick	KLB91p219f146:3-4 P&R.66		(=ERDI=ERTE=E.diadema Ehr.1838)
ESIL	<i>Eunotia silvahercynia</i> Nörpel Van Sull & Lange-Bertalot	1991NH53p208f6:22-44 KLB91p216f156:35-4C		(EPUN=EPIN=EIUN=ETEN)
ESOL	<i>Eunotia soleirolii</i> (Kutzing) Rabenhorst	1864 KLB91p194f142:1-6 144:2		(=EVHK=EFAB=EPEC ss Germ.81)in P. & R.66)
ESTK	<i>Eunotia steineckii</i> Petersen	1950 KLB91p201f153:1-4		
ESUB	<i>Eunotia subarcuoides</i> Alles Nörpel & Lange-Bertalot	1991 KLB91p214f138:1-9 NH53p188f4:1-36		(=ELUN var. <i>subarcuata</i> s.a.n.)
ETEN	<i>Eunotia tenella</i> (Grunow)Hustedt	in ASA 1913 KLB91p202f154:23-30		=EETE
FINS	<i>Fallacia insociabilis</i> (Krasske) D.G. Mann	1990 in RCMp668		(=NINS=NNAT=NAPN)
FPYG	<i>Fallacia pygmaea</i> (Kützing) Stickle & Mann	RCM90 p.554 & 668 f.a-k Witk.94p122f25/9-10		(=NPYG KLB86 p.171 f.65(1-6')

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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
FSBH	Fallacia subhamulata (Grunow in V. Heurck) D.G. Mann	1990 in RCM p.554 & 669 f.a-k		(=NSBH KLB86 p.192 f.66(32-34)83(4))
FRAG	FRAGILARIA H.C. Lyngbye	1819 RCM90 p.346 f.a-j	ARAPHIDEES DIATOMACEES	
FARC	Fragilaria arcus (Ehrenberg) Cleve var. arcus	1898 KLB91p134f117:8-13 118:18		(=HARC=CARC=CAAM=HAAM)
FBER	Fragilaria berolinensis (Lemmermann) Lange-Bertalot	1989 KLB91p161f134:21-25		=STLB(=SBER=SLIM)
FBIC	Fragilaria bicapitata A.Mayer	1917KLB91p141f118:11-16		(=FFBI=NFBI Williams & Round 87DR2(2)88DR3(2))
FBID	Fragilaria bidens Heiberg	1863 KLB91p127 f111:18-22		(=FCAP? in HLB81)
FBRE	Fragilaria brevistriata Grunow (Pseudostaurosira)	in Van Heurck 1881KLB91p162f130:9-16 131:7		=PSBR W.&R.87 DR2(2)
FCPE	Fragilaria capucina Desm. var. perminuta (Grunow) Lange-Bertalot	KLB90f109:1-5		
FCSE	Fragilaria capucina Desm. var.septentrionalis (Oestrup) Lange-Bertalot	KLB90f109:6		
FCAH	Fragilaria capucina Desmazieres var. amphicephala (Grunow) Lange-Bertalot	HLB93p44 KLB91p125f109:19-20 113/1-2		(=SAMP)
FCAU	Fragilaria capucina Desmazieres var. austriaca (Grunow) Lange-Bertalot	1981 NH33 p.748 KLB91p126f109:21-24 113/3-5		(=SAMA=FGRA) HLB93BD27p45
FCRU	Fragilaria capucina Desmazieres var. rumpens (Kutzing) Lange-Bertalot	1991p122f108:16-21 110:1-6A HLB93BD27p45		=FCRP(=SRUM=FRUM=FPLV=SPUE)
FCCP	Fragilaria capucina Desmazieres var.capitellata (Grunow) Lange-Bertalot	KLB90f109:25-28		(=SVCA)
FCAP	Fragilaria capucina Desmazieres var.capucina	1825 KLB91p121f108:1-8 109:29 110:22		(=SRUM=SRSC=SRFA=FCLA=FINT=FPRO) HLB 81
FCDI	Fragilaria capucina Desmazieres var.distans(Grunow)Lange Bertalot	KLB90f109:16		
FCGR	Fragilaria capucina Desmazieres var.gracilis(Oestrup) Hustedt	KLB91P123f110:8-13 111:1-3 113/22-26		=FGRA (=SRFA pro parte)
FCME	Fragilaria capucina Desmazieres var.mesolepta (Rabenhorst) Rabenhorst	KLB91p123 f110:14-21 23-24		(=FTNS)
FCVA	Fragilaria capucina Desmazieres var.vaucheriae(Kutzing)Lange-Bertalot	1980 NH33 KLB91p124f108:10-15		(=FVAU=SRME=FVCA=SVAU=SVTR=FINT)
FCON	Fragilaria construens (Ehr.) Grunow f.construens (Staurosira)	KLB91p153f112:14 131:5-6 132:1-8		=SCON Williams & Round 87 DR.2(2)
FCVE	Fragilaria construens (Ehr.) Grunow f.venter (Ehr.) Hustedt	1957KLB91p153f132:9-16		=SCVE
FCSS	Fragilaria construens (Ehr.) Grunow var.subsalina Hustedt	1925 KLB90f132:17-20 21-22? S87p92f131:3-8		=SCSS
FCBI	Fragilaria construens f. binodis (Ehr.) Hustedt	1957KLB91p153f132:23-27		=SCBI(=SYBI Chang & Steinberg 88 DR.3(1))
FCRO	Fragilaria crotonensis Kitton	KLB91p130 f116:1-5		

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FDEL	<i>Fragilaria delicatissima</i> (W.Smith) Lange-Bertalot	1981NH33p746 KLB91p129f115:11-13 114/1-8		(=SYDE=SARA=SAAN)
FELL	<i>Fragilaria elliptica</i> Schumann (Staurosira)	1867 p52f1:5 Hawo.75 Archib.83p104f199-206		=SELI W.&R.87DR2(2) KLB91p155f130:31-42
FEXI	<i>Fragilaria exigua</i> Grunow	KLB91p137 f126:11-18 19-20? 125/4		=SEXG(=FEXG=FFVE=FVEX ?=FCEX?)
FFAM	<i>Fragilaria famelica</i> (Kutzing) Lange-Bertalot var. famelica	1981 NH33 p.749 KLB91p128f111:4-5a 8 12 17		(=SFAM)
FFAS	<i>Fragilaria fasciculata</i> (C.A. Agardh) Lange-Bertalot sensu lato	1980 KLB 91p150f.135:1-18 1981 NH33p.750		(=TFAS=STAB=SFSC=SAFFssPR66=FFON=FFCH)
FGRA	<i>Fragilaria gracilis</i> Østrup	1910		(=FCGR)
FICG	<i>Fragilaria incognita</i> Reichardt	1988DR3(2)p237f1-10 KLB91p142f118:1-7		1990 RC p.209 f.2/14-21
FINT	<i>Fragilaria intermedia</i> Grunow			=FCVA
FLEP	<i>Fragilaria leptostauron</i> (Ehr.)Hustedt var. leptostauron	1931 KLB91p159f131:1-2 133:33-41		=SLEP(=FHAR)
FLDU	<i>Fragilaria leptostauron</i> (Ehr.)Hustedt var.dubia(Grunow)Hustedt	1931KLB91p160f133:24-27		=SLDU(=FHAR v. dubia Gr & v.woerthensis Mayer)
FLMA	<i>Fragilaria leptostauron</i> (Ehr.)Hustedt var.martyi (Héribaud) Lange-Bertalot	1991KLBp160f133:28-31		=FMAR(=OMAR=MMAR=OCAN)
FMIN	<i>Fragilaria miniscula</i> (Grun.in V.Heurck) Williams & Round	1987 Diat.Res.2(2).		(=SMIN)
FNAN	<i>Fragilaria nanana</i> Lange-Bertalot	KLB91p130f115:14-16(114:9-11?) HLB93BD27p48		(=SYNA)LB81NH33p746(=FNAN Meister)
FNIT	<i>Fragilaria nitzschoides</i> Grunow in Van Heurck	1881KLB91p139f125:5 128:1-10		
FOLD	<i>Fragilaria oldenburgiana</i> Hustedt	1959 KLB91p162f134:26-31 S87p454f680:1-5		
FPAR	<i>Fragilaria parasitica</i> (W.Sm.) Grun. var. parasitica	1881 LB81NH33p753 KLB91p133f130:1-5		(=SPAR)
FPSC	<i>Fragilaria parasitica</i> (W.Sm.) Grun. var. subconstricta Grunow	KLB91p133f130:6-8		(=SPSC=SYBI)
FPIN	<i>Fragilaria pinnata</i> Ehrenberg var. pinnata (Staurosirella)	1843 KLB91p156f131:3-4 133:1-11 32-32A		=SPIN(Williams & Round 87 DR2(2))
FPLA	<i>Fragilaria pinnata</i> Ehrenberg var.lancettula (Schumann) Hustedt			
FPCO	<i>Fragilaria pseudoconstruens</i> Marciniak	1982 KLB91p163f130:25-30		(=PPCO Williams & Round 87 DR.2(2))
FPUL	<i>Fragilaria pulchella</i> (Ralfs ex Kutz.) Lange-Bertalot (Ctenophora)	1980 NH33 p.749 KLB91p148f136:1-7		=CTPU(=SPUL)WR86 DR1(2) p.330)
FRUM	<i>Fragilaria rumpens</i> (Kutz.) Carlson			=FCAP HLB 80 Arch.Hydrobiol.Suppl.60
FTEN	<i>Fragilaria tenera</i> (W.Smith) Lange-Bertalot	1981NH33p746 KLB91p129f115:1-5 6-7?114/12-16		(=SYNT=SARA=SAAN sensu Hust. pp.)
FUAM	<i>Fragilaria ulna</i> (Nitzsch.) Lange-Bertalot var. amphirhynchus (Ehr.) Comper	1983 BSRBB116p154		
FUDA	<i>Fragilaria ulna</i> (Nitzsch.) Lange-Bertalot var. danica (Kutz.) Compère	1983BSRBB116p154 KLB90f122:9		=FDAN(=SUDA)
FULN	<i>Fragilaria ulna</i> (Nitzsch.) Lange-Bertalot var. ulna	1980 NH33 p.745 KLB91p143f122:1-8 124:1-2		(=SULN)
FUAN	<i>Fragilaria ulna</i> Sippen angustissima(Grun.)Lange-Bertalot	KLB91p144f122:15-16 114:21		(=SAAN=SARA=FDEA=FDELpp=SDAN=)
FUAC	<i>Fragilaria ulna</i> (Nitzsch.)Lange-Bertalot var.acus(Kutz.)Lange-Bertalot	1980 NH33 p.745 KLB91p144f122:11-13 119/8		(=SACU=SYDE W.Sm.)

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FVAU	<i>Fragilaria vaucheriae</i> (Kutzing) Petersen			=FCVA(=SAMP.SCPL.SVTR.SRME.FVCA in HLB 81)
FVIR	<i>Fragilaria virescens</i> Ralfs	1843 KLB91p135f126:1-10		(=FFVI88DR.3(2)=NFVI Williams & Round 87DR2(2)
FZEL	<i>Fragilaria zeilleri</i> Héribaude var.elliptica Gasse	1980 KLB90f129:14-15 130:17		(=PZEI W.&R.87 DR2(2) Seryiessol88 9Dsp.371
FRHO	<i>Frustulia rhomboides</i> (Ehr.)De Toni	KLB86 p.258f.95(1-3)		
FRAM	<i>Frustulia rhomboides</i> (Ehr.)De Toni var.amphipleuroides(Grunow)De Toni	KLB86 p.259f.96(4-5)		
FRCR	<i>Frustulia rhomboides</i> (Ehr.)De Toni var.crassinervia(Brebisson) Ross	1947 KLB86 p.259f.95(6-7) P.R.66		=FCRS
FRSA	<i>Frustulia rhomboides</i> (Ehr.)De Toni var.saxonica (Rabenhorst)De Toni	KLB86 p.259f.95(4-5)		=FSAX
FRVI	<i>Frustulia rhomboides</i> (Ehr.)De Toni var.viridula (Brebisson) Cleve	KLB86 p.259f.96(1-3)		=FERI
FSAX	<i>Frustulia saxonica</i> Rabenhorst	LB96iD2p60f38:1-6		(FRSA)
FVUL	<i>Frustulia vulgaris</i> (Thwaites) De Toni	KLB86 p.260f.97(1-6)		
FWEI	<i>Frustulia weinholdii</i> Hustedt	1937KLB86p.2612.97(12-14)Cost.Ric.83		S87p203f312:4-8
GDEC	<i>Geissleria decussis</i> (Ostrup) Lange-Bertalot & Metzeltin	1996iD2p65f104:2 125:3-6		(=NDEC=NTRB=NEXF)
GEVA	<i>Gomphoneis erianse</i> var. <i>variabilis</i> Kociolek & Stoermer	1988p79f193-223		
GMMI	<i>Gomphoneis minuta</i> (Stone) Kociolek & Stoermer var.minuta	1988p56f102-129		(=GHMI)
GOMP	GOMPHONEMA C.G. Ehrenberg	RCM90 p.494 f.a-j	BIRAPHIDEES NAVICULACEES	
GABB	<i>Gomphonema abbreviatum</i> Agardh			=GGLI KLB86 p.378 f.166(3-11)
GACU	<i>Gomphonema acuminatum</i> Ehrenberg	1832 KLB86 p.365 f.160(1-12)		Reich.99iD8f52/1-14 53/1-17 55/1-4 49/6
GACO	<i>Gomphonema acuminatum</i> Ehrenberg var.coronata(Ehr.)W.Smith	KLB86p365f160:1-2 8		=GACU
GAFF	<i>Gomphonema affine</i> Kutzing	1844 KLB86p.365 f.161(1-3) KLB91p408f80/5		(=GLAN ssH30=GMAG)PR75iD8p13f7/1-9 8-9/1-14
GANG	<i>Gomphonema angustatum</i> (Kutzing) Rabenhorst	1864 KLB86p.360f.155(1-21)iD8f24/1-37		(=GMICpp=GBOHssH30 =GITB)iD8p23f23/1-10
GANT	<i>Gomphonema angustum</i> Agardh	1831KLB86 p.370 f.164(1-16) KLB91p416f84/9-14		(=GIPU=GINT=GDIC=GFAN)
GAQM	<i>Gomphonema aquaeminalis</i> Lange-Bertalot & Reichardt	KLB91p402f77/10-15 manuskriptnamen		
GAUG	<i>Gomphonema augur</i> Ehrenberg	KLB86 p.363 f.157(1-8)158(1-6)		(=GAPI)
GAUR	<i>Gomphonema auritum</i> A.Braun ex Kützing	KLB91p406f79/8-12		(=GGAU)

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GBAV	Gomphonema bavaricum Reichardt & Lange-Bertalot	KLB91p418f85/6-10 RLB91NH53p534f7:1-7		
GBOH	Gomphonema bohemicum Reichelt & Fricke ssp.bohemicum	1902 ASA 1874 235/18-25 KLB91p402f77/16-21		(=GANG non ssH30=GVBO)R99ID8p53f61/1-22 63/1-5
GCLA	Gomphonema clavatum Ehr.	KLB86p367f163(1-12)		(=GLON=GMON=GSCL PR75)
GCLE	Gomphonema clevei Fricke	1902 KLB86 p372f164(20-21)KLB91p420f86/5-8		(=GRHO ?) KoS91p281
GCON	Gomphonema constrictum Ehrenberg			=GTRU
GDIC	Gomphonema dichotomum Kutz.	KLB91p416f84/4-8 RLB91NH53p521f1:1-12		(=GANT=GIPU=GINT=GFAN)KLB86 p.370
GENT	Gomphonema entolejum Ostrup	1902 LBK87p117f40:18-19 KLB91p420f86/11-12		
GEXL	Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt	1996ID2p70 f62:23-27		(=GPXS)
GGRA	Gomphonema gracile Ehrenberg	1838KLB86p361f156(1-11)154(26-27)KLB91p406f79/		(=GLAN=GGRU)
GGLA	Gomphonema gracile Ehrenberg var.lanceolata (Kutz.) Cleve			(=GLAN)=GAFF ???
GGRO	Gomphonema grovei M.Schmidt	1899 PR75 KLB86p377f166(1-2)KLB91p422f87/7-10K		=GPGR
GGLI	Gomphonema grovei M.Schmidt var.lingulatum (Hustedt) Lange-Bertalot	KLB86 p.378 f.166(3-11)		=GPGL(=GLIG sensu KLB86=GABB=GHOL)
GHEB	Gomphonema hebridense Gregory	1854 KLB91p406f79/13-17 Reich.94p128f1/5-8		(=GLAG pro parte)
GHEL	Gomphonema helveticum Brun	KLB86 p.373 f.162(14-18)KLB91p420f86/17-19		RLB91p536f8
GLAT	Gomphonema lateripunctatum Reichardt & Lange-Bertalot	KLB91p394f73/8 RLB91NH53p530f5-6/1-17		
GLIG	Gomphonema lingulatiformis Lange-Bertalot & Reichardt	1993BD27p60f83:1-11SVM2/1f166:6-11		=GPLI(=GGLI=GAIN) KLB91p422f87/11 (=GANG=GPMI)Reich99ID8f38/1-15f39/15-17 27-29
GMIC	Gomphonema micropus Kützing var. micropus	1844 KLB91p396f74/1-14 ID8p34f36/1-14 37/1-29		
GMIN	Gomphonema minutum(Ag.)Agardh f. minutum	1831KLB86p370f159(5-10)167(1) KLB91p410f81/1-5		(=GTNL=GCUR LB80)
GOLI	Gomphonema olivaceum (Hornemann) Brébisson var. olivaceum	1838 KLB86p374f165(1-18) KLB91p424f88/10-13		(=GOLV)
GOLC	Gomphonema olivaceum var.calcareum (Cleve) Cleve	KLB86 p.374 f.165(9-10)		
GOMI	Gomphonema olivaceum var.minutissimum Hustedt	1930p378f720 KLB86p.375f.165(14)18(15-17)		=GCLF(=GIOM=GOOL LBK89p158 87f195:8-11=GOLD)
GOOL	Gomphonema olivaceum var.olivaceoides (Hustedt) Lange-Bertalot	1989p159f97:1-20 24-25 S87f543:28-35		(=GOLD=GLAC=GTET=GOMI)KLB91p424f88/5-9
GPRL	Gomphonema parallelstriatum Lange-Bertalot & Reichardt	1993 BD27p68f76:11-16 KLB91p408f80:7-11		
GPVL	Gomphonema parvulus Lange-Bertalot & Reichardt	1996ID2p71f64:9-12 118:2		(=GPPA)
GPAR	Gomphonema parvulum (Kützing) Kützing var. parvulum f. parvulum	1849KLB86 p.358 f.154(1-25) KLB91p400f76/1-7		

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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
GPXS	Gomphonema parvulum var.exilissimum Grunow	in KLB91p394f73/6 76/14-20 77/1-2?		=GEXL
GPPA	Gomphonema parvulum var.parvulus Lange-Bertalot & Reichardt	1993BD27p70 KLB91p400f76/22-29		=GPVL
GPRC	Gomphonema procerum Reichardt & Lange-Bertalot	KLB91p418f85/11-12 RLB91NH53P526f4:1-9		Reich.97NH65p123f12/1-3
GPRO	Gomphonema productum (Grunow) Lange-Bertalot & Reichardt	1993BD27p71f73:14-17 74:1-3 ID8p31f32/1-18		(=GAPR) KLB91p394f73/9-10p396f74/15-22
GPXA	Gomphonema pseudoaugur Lange-Bertalot	1979 KLB86 p.364 f.159(1-4)		
GPTE	Gomphonema pseudotenellum Lange-Bertalot	1985 KLB86 p.372 f.164(22-24) Reich97NH65f7		(=GTNL ss H30)
GPUM	Gomphonema pumilum (Grunow) Reichardt & Lange-Bertalot	KLB91p418f85/13-19 RLB91p528f6		(=GIPU)
GQPU	Gomphonema quadripunctatum (Ostrup) Wislouch	in Patrick & Reimer 1975		
GRHO	Gomphonema rhombicum Fricke	1904 ASA pl.248 f.1 KLB91p422f87/1-5		=GRHB(=GNRH=GCLE=GSUM)
GRHB	Gomphonema rhombicum M. Schmidt	1904ASAf248:1 Iser.&Ector96BFPP341/42p115f1-16		(=GRHO=GNRH)
GRBI	Gomphonema rhombicum var. bipunctata nova var.	Denomination provisoire (Corse-Espagne-France)		
GSAR	Gomphonema sarcophagus Gregory	1856 KLB91p398f75/1-12 ID8p30f30/1-30 31/1-6		(=GPAR var. sarcophagus=GASA?)
GSTA	Gomphonema stauroneiforme Grunow	in KLB91p424f88/16-18		
GTNL	Gomphonema tenellum Kutzing	in P.R.75		=GMIN in K.LB.86
GTER	Gomphonema tergestinum Fricke	1902 ASA234/39-43KLB86 p.373 f.162(6-7)		
GTRA	Gomphonema transsilvanica (Pantocsek) Krammer	1985 KLB86 p.379 f.166(12-13)3(8)16(7-8)		
GTRU	Gomphonema truncatum Ehr.	KLB86p369f159(11-18)		(=GCON=GCAP=GTUR)PR75Com75
GVEN	Gomphonema ventricosum Gregory	1856 PR75 KLB86 p.373 f.162(4-5)		
GVIB	Gomphonema vibrio Ehrenberg	KLB91p416f84/1-3		(=GIVI)
GYAC	Gyrosigma acuminatum (Kützing)Rabenhorst	1853KLB86 p.296 fig.114(4-8)		
GYAT	Gyrosigma attenuatum (Kützing) Rabenhorst	1853KLB86 p297fig114(5,7,9 4:5,6 15:3 16:2,6)		
GNOD	Gyrosigma nodiferum (Grunow) Reimer	PR66 KLB86 p.297 fig115(1)		(=GSNO)
GSCA	Gyrosigma scalproides (Rabenhorst)Cleve	KLB86 p.299 fig.116(3)		
GWA				
N	Gyrosigma wansbeckii (Donkin) Cleve	1894 p.119 CE.52p.11f1332		
HARC	Hannaea arcus (Ehr.)Patrick	1966 in PR		=FARC(=CARC)cf.P.R.66
HABU	Hantzschia abundans Lange-Bertalot	1993 BD27p75f85:12-18 89:1-6 90:1-6 92:1		=HAMP pro parte
HAMP	Hantzschia amphioxys (Ehr.) Grunow in Cleve et Grunow 1880	LB93BD27p77KLB88 p.128 f.88(1-7)		
LCOH	Luticola cohnii (Hilse) D.G. Mann	RCM 90 p.670(p.532:a-i)		(=NCOH)
LGOE	Luticola goeppertiana (Bleisch in Rabenhorst) D.G. Mann	RCM 90 p.670(p.532:a-i)		(=NGOE)
LMUT	Luticola mutica (Kützing) D.G. Mann	RCM 90 p.670(p.532:a-i)		(=NMUT)
LNIV	Luticola nivalis (Ehrenberg) D.G. Mann	RCM 90 p.671(p.532:a-i)		(=NNIV=LNIV Andresen & al.DR15(2)nom. invalid.
LVEN	Luticola ventricosa (Kützing) D.G. Mann	RCM 90 p.671(p.532:a-i)		(=NNEO=NMVE)



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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
MSMI	Mastogloia smithii Thwaites	1856 KLB86 p.434 fig.201(1-9)		(Novarino90 DR5/2p373)
MSLA	Mastogloia smithii Thwaites var.lacustris Grunow	1878 KLB86 p.434 fig.201(1-6)		=MLAC
MVAR	Melosira varians Agardh	1827 KLB91p.7f3/8 4/1-8		
MCCO	Meridion circulare (Greville) Agardh var.constrictum (Ralfs) Van Heurck	1880KLB91p102 101:6-12 102:1		(=MCON)
MCIR	Meridion circulare (Greville) C.A.Agardh var. circulare	1831 Will85p158f5:48-50 53-54KLB91p101f100:1-		KLB91f101:1-5 13,14 102:2-3
MCON	Meridion constrictum Ralfs	1843p458f18:2 Wil.85p173f51-52 55-57		(=MCCO)=MCCO ss KLB90
NAVI	NAVICULA J.B.M. Bory de St. Vincent	1822 RCM 90 p.566:a-m	BIRAPHIDEES NAVICULACEES	
NADE	Navicula abrupta (Gregory) Donkin var.densestriata Ostrup			
NABL	Navicula absoluta Hustedt	1950p435f38:80-85 S87p361f546:9-16		=NDAB KLB86 p.198 f.71(15-21)(=NHUO)
NACO	Navicula accomoda Hustedt	1950p446f39/17-18KLB86p128f45/13-20		=CRAC RCM90(=NMNO?) S87p365f550/1-8
NAGR	Navicula agrestis Hustedt	1937 KLB86 p.215f.74(1-7)		=MAGR (S87 p.186 & 218 f.299:7-15)
NAGL	Navicula anglophila Lange-Bertalot	1987 p121		=PPSA(=NPAG KLB85 f23:8-12 KLB86f46:13-15)
NAAN	Navicula angusta Grunow	1860p528f3:19 LB01DE2p15f2:1-8 65:1		(=NCAA=NLOB=NPDC=NCIA) cf.KLB 86p97f.28(1-5)
NAQR	Navicula aquaedurae Lange-Bertalot	LB93BD27p95f46:14-19 47:1-2 KLB91p386f69/1-1C		(?NCRY auct non Kutzing)
NARV	Navicula arvensis Hustedt	1936-37 f401:14-16(Java) SIM.87p186f299:1-6		KLB86 p.211 f.80(10-12 21-22)Reich.84
NAMA	Navicula arvensis Hustedt var.maior Lange-Bertalot	1985 BD9p56f25:1-3		=NDCM(=NADU KLB87p121 KLB86p211f80(21-22 32)
NASE	Navicula asellus Weinhold ex Hustedt 1957	KLB86 p.218f.74(34)		=MASE
NATO	Navicula atomus (Kutz.) Grunow var. atomus	KLB86p216 f.74(10 18-26)LB01DE2p136f103:2-3		=MAAT=N.aduca H42=N.pseudoatomus Lund46)
NAEX	Navicula atomus (Kutz.) Grunow var.excelsa (Krasske) Lange-Bertalot	KLB86 p.217 f.74(11-13)		=MAEX(=NEXC)
NAPE	Navicula atomus (Kutz.) Grunow var.permitis (Hustedt) Lange-Bertalot	KLB86 p216 f.74(14-17)		=MAPE(=NPER=NPRT)
NBLO	Navicula bacilloides Hustedt 1945	KLB86 p.188 f.67(5)		
NBAC	Navicula bacillum Ehrenberg	1838 KLB86 p.187 f.67(2-4)		=SEBA
NBIO	Navicula bioculata Grunow	ASA70/9		=FBIO Mann 1990 in RCM p.668
NBRY	Navicula bryophila Boye Petersen	KLB86 p.181 f.79(1-8)		=ABRY(=NMLD=NTRP=NSUC?)
NCNO	Navicula canoris Hohn & Hellerman	KLB91 p385f68/26-30		(proche de NEXI)
NCAP	Navicula capitata Ehrenberg (=Hippodonta)	1838 KLB86p.123f.42(1-4)		=HCAP(=NHUC)
NCHU	Navicula capitata Ehrenberg var. hungarica(Grunow)Ross	1947 KLB86p.123f.42(5-9)		=HHUN(=NHUN)PR.66

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NCLU	Navicula capitata Ehrenberg var. lueneburgensis (Grun.) Patrick	1966 KLB86p.123f.42(10-11)PR.66 Reichardt84		=HLUE(=NHLU)
NCPR	Navicula capitatoradiata Germain	1981 f32:12-15 KLB86p.105f.32(12-15)		(=NCTM=NSTM) LB01DE2p22f29:15-20 73:6
NCAR	Navicula cari Ehrenberg	1836 p83 LB01DE2p22f11:1-20 66:3 67:6		(=NCCA=NGRO) in KLB86 p.96f.27(12-17)
NCAT	Navicula catalanogermanica Lange-Bertalot & Hofmann	1993BD27p98f64:16-20 KLB91 p370f61/5-9		(proche NMEN)LB01DE2p23f13:16-24
NCTV	Navicula caterva Hohn & Hellerman	1963p296f3:38KLB91 p384f68/20-25		LB01DE2p25f33:1-10 70:1
NCIN	Navicula cincta (Ehr.) Ralfs in Pritchard	1861p901 KLB86 p.98 f.28(8-15)		(=NHEF=NCCA=NINU=NUMI) LB01DE2p26f41:1-29
NCIT	Navicula citrus Krasske	KLB86 p.169 f.58(6-8) Reich.97p302f12-23		=CRCI
NCLE	Navicula clementis Grunow	KLB86p.139f.47(1-9)		=PCLT Cox 87 Diat.Res.2(2)
NCOC	Navicula coconeiformis Gregory ex Greville	KLB86p.158f.59(2-5)		=CCOC Round 1990
NCOH	Navicula cohnii (Hilse) Lange-Bertalot	KLB86 p.152f.63(1-3)		=LCOH(=NMCO)cf.HLB 78
NCCT	Navicula concentrica Carter	1981NH33p576f11:7 KLB86 p.113 f.36(10-12)		(=NCYM=NLANv.cymbula)LB01DE2p26f4:8-13 72:6
NCST	Navicula constans Hustedt	KLB86 p.140f.48(10-11)		
NCON	Navicula contenta Grunow	KLB86 p.219f.75(1-5)		=DCON RMC 90 p.666
NCBI	Navicula contenta Grunow var.biceps(Arnott)Cleve	1894p132 CE53 p169f851b		=DCBI
NCOS	Navicula costulata Grunow in Cleve & Grunow	KLB86p.124f.42(13-15)		=HCOS
NCRY	Navicula cryptocephala Kutzing	1844p95f:20,26KLB86p102f31(8-14)KLB91p376f64/1		(LB93BD27p101f61:12)LB01DE2p27f17:1-10 18:9-20
NCFA	Navicula cryptofallax Lange-Bertalot & Hofmann	LB93BD27p103f47:11 48:1-4 KLB91p384f68/5-9		(proche NCRY) LB01DE2p27f17:11-17
NCTE	Navicula cryptotenella Lange-Bertalot	1985p62f18:22-23LB93BD27p104f50:13-14 51:2-3		(=NTNL=NRTE)KLB86p106f33(9-11)LB01p28f26:17-32
NCTO	Navicula cryptotenelloides Lange-Bertalot	1993BD27p105f50:9-12 51:1-2		LB01DE2p29f26:8-16 28:1-2
NCUS	Navicula cuspidata Kutzing	1844 KLB86p.126 f.43(1-8)		=CRCU RMC90(=NCAM=NCUH)
NCAM	Navicula cuspidata Kutzing var.ambigua(Ehr.)Cleve	KLB86 p.126		=CAMB(=NCUS)
NDEC	Navicula decussis Oestrup	KLB86 p.141f.47(10-18)		=GDEC(=NTRB=NEXF)
NDET	Navicula detenta Hustedt	KLB86 p.195 f.69(14-17)		
NDIC	Navicula dicephala Ehrenberg			=PDIC(=NELG)
NDIF	Navicula difficillima Hustedt	KLB86 p.210 f.80(7-8-9?) S87p362 f547/1-6		(=NSRC=NSUN)
NDMI	Navicula digitoradiata (Gregory) Ralfs var.minima Cleve-Euler	1953p161f822gh		=NCIN inVL.75 p.2515
NELG	Navicula elginensis (Gregory) Ralfs in Pritchard	1861p902 CE.53p143f793B KLB86p136f46(1-9)		=PELG Cox87(=NDIM=NANG=NNEG=NDIU)
NECU	Navicula elginensis var.cuneata (Moller ex Foged) Lange-Bertalot	KLB86p.136f.46(10-12) LB85BD9p68		=PLIG(=PELG?=NAIG=NDCT)
NENI	Navicula enigmatica Germain	1981 Flore KLB86 p.212 f.80(23-24)		Coste & Ricard 90 (Tahiti)
NERI	Navicula erifuga Lange-Bertalot	KLB86 f.38 p.116		(=NCIL=NCIF)
NEVA	Navicula evanida Hustedt	1942 KLB86 p232f.76(11-16)53(6) S87p267f396:12		=CHEV(=NVNT)
NEXG	Navicula exigua (Gregory) Grunow	KLB86p.138f.46(16-17)		=PEXI

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NEXI	Navicula exilis Kutzing	LB93BD27p109 KLB91p376f64/17-24		(=NCEX=NADV=NCRY auct part.)LB01DE2p34f19:9-20
NFES	Navicula festiva Krasske	KLB86p.200f.72(1-7 11-13)		(=NVIT ss Hust.30)
NFTI	Navicula flantica Grunow	1860p527f1:9KLB86 p.109 f.34(10-11)		(=NAFL) LB01DE2p35f44:16-20
NFOS	Navicula fossalis Krasske	1929 Bot.Arch.27p354f10 KLB86 p.217f.74(32-33)		=MAFO
NFOB	Navicula fossalis Krasske var. obsidialis (Hustedt) Lange-Bertalot	KLB86 p.218f.74(29-31)		=MFOB(=NODL)
NFRA	Navicula fragilarioides Krasske			=DLAE(=NGLV KLB86 p.220)
NFRU	Navicula frugalis Hustedt	1957 p275f21-25 S87p441f658/19-26		=NSBM(=NVAU=NDEM=NLUZ=NPPV)KLB86 p.223f.76
NGPE	Navicula gallica(W.M.Smith)Lagerstedt var.perpusilla(Grunow)Lange-Bertalot	KLB86 p.220 f.75(12-17)		=DGPE(=DPEP=NPEP)
NGAS	Navicula gastrum (Ehr.) Kutzing	1844p94f28/56 KLB86 p.143f.49(4-9)		=PGAS
NGAR	Navicula gastrum (Ehr.) Kutzing fo.rostrata Manguin			
NGBL	Navicula gibbula Cleve	1894 KSVAH26p140p154/17KLB86 p235f.65(14-15)		=MUGI(=N.gibberula Lagerst. 1873)
NGOE	Navicula goeppertiana (Bleisch) H.L.Smith	1874-79KLB86 p.150 f.62(1-7)		=LGOE(=NMGO=NMTR=NTER)
NGOT	Navicula gottlandica Grunow	in VH1880f.8:8 KLB86 p.122f.41(3-4)		(=NHLV) LB01DE2p36f5:5-9 72:3-4
NGRA	Navicula gracilis Ehrenberg			=NTPT (IN P.R.66 et KLB.85-86)
NGRO	Navicula graciloides Mayer	KLB91P366F59/8-12		(=NCAR in HLB 80 et KLB 85-86)
NGRE	Navicula gregaria Donkin	1861 KLB86 p.116 f.38(10-15)		
NHAL	Navicula halophila (Grunow) Cleve	1894 KLB86p.126f.44(1-11)		RMC90(=NPSH=NBUD=NSMP)HLB81
NHAR	Navicula halophila (Grunow) Cleve fo.robusta Hustedt			=CRHR
NHAM	Navicula hambergii Hustedt	1924p562f17:2KLB86p146f50:9-13S87p86f123:13-1		=NDHA Rushf.Hawai84Bac.7(=NQUP Maill.NC78)
NHRD	Navicula harderi Hustedt	1949 KLB86p229f76(1-7) Reich94BBBG64p132f2/31		(=NSSE)
NHAS	Navicula hassiaca Krasske	1925 ABVN Cassel84-89p47f2:26		=CHSH(=NSOH KLB86 p224 f.78(10-13)
NHMS	Navicula heimansii Van Dam et Kooyman	1982 in KLB86 p.100 f.29(8-11)		(=NLST? selon KLB 86)
NHMD	Navicula heimansioides Lange-Bertalot	1993BD27p113f62:7-10 KLB91p388f70/1-8		(=NHMS?? ) KLB86p100f29:9-11
NHEL	Navicula helensis Schulz	1926 KLB86 p.192 f.66(24-27)		=FHEL in RCM90 p.668(=NSBU)
NHUN	Navicula hungarica Grunow	1860 p.539f1/30		=HHUN(=NCHU in P.& R. 66)
NHUS	Navicula hustedtii Krasske	1923p198f3 H30p274 KLB86 p.199 f.71(22-24)		
NINO	Navicula ignota Krasske 1932 emend Lund 1948	KLB85-86 p.179f.64(12-25) f.72		=GINO(=NLGT)Germ.81.
NIAC	Navicula ignota Krasske var.acceptata (Hustedt) Lange-Bertalot	1985KLB86 p.180 f.64(22-25)Reic.84		=GACC(=NATA)
NIPA	Navicula ignota Krasske var.palustris (Hustedt) Lund	KLB86 p180 f.64(16-21)		=GPAL(=NAPA=NLGP)
NICT	Navicula incertata Lange-Bertalot	1985 KLB86 p.111 f.35(21-24)		(=N.incerta Grun.)
NITG	Navicula integra (W.Smith) Ralfs	KLB86p.162 f.55(1-3)		

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NJAK	<i>Navicula jakovljevicii</i> Hustedt	S87 p.169 pl.511 f.5-14 Reic.92DR7:2p293		(Coste & Ector2000) LB01DE2p41f6:8-11 71:6
NJOU	<i>Navicula joubaudii</i> Germain	1981 KLB86 p231f.76(37-38)		(=NSER Germain 81)
NKOT	<i>Navicula kotschyi</i> Grunow	KLB86 p.169 f.60(10-15)		(=NGRI=NTEX=NBCP)
NLLC	<i>Navicula lacunolaciniata</i> Lange-Bertalot et Bonik	1976 KLB86 p.209 f.75(34-37)		=MLLC
NLAC	<i>Navicula lacustris</i> Gregory	1856 p6f1/23 KLB86 p.168 f.58(2-3)		
NLAE	<i>Navicula laevisissima</i> Kutzing	KLB86 p.189 f.67(6-10)		=SELA(=NWIT)
NLAN	<i>Navicula lanceolata</i> (Agardh) Ehrenberg	1838 KLB86 p.100 f.29(5-7)		(=NAVE)
NLAP	<i>Navicula lapidosa</i> Krasske	KLB86 p.203 f.73(4-7)		=CVLP
NLAS	<i>Navicula latens</i> Krasske	1937 ex Hust.KLB86 p.142f.48(15-16)PR1966		=GTHI(=NTCT?)
NLAT	<i>Navicula laterostrata</i> Hustedt	KLB86 p.197 f.70(22-24)		=NVDL( <i>Naviculadicta</i> ) LB94p206(=NMOU)
NLEN	<i>Navicula lenzii</i> Hustedt	KLB86 p.193 f.66(38-39 35-37?)Reich.84		(=NMIT)
NLST	<i>Navicula leptostriata</i> Jorgensen	1948 KLB 86 p.100 f29 KLB91p388f70/9-14		(=NHMS? selon KLB86)
NLSM	<i>Navicula lesmonensis</i> Hustedt	1957 p293 f36-37 KLB86 p122 f41(8-11)		=HLES S87p443:659/13-21(=NRTC=NGVS)
NLOV	<i>Navicula longicephala</i> Hustedt var. <i>vilaplani</i> Sabater & Lange-Bertalot	1990 NH51p180f3/24-28 KLB91p384f68/34-36		=NVIP
NLUN	<i>Navicula lundii</i> Reichardt	1988 in KLB91p376f64/9-16		(=NCRY f. <i>terrestris</i> Lund)
NMAD	<i>Navicula madeirensis</i> Lange-Bertalot	1993BD27p119f52:15-19 KLB91f67:5-10		
NMED	<i>Navicula mediocris</i> Krasske	1932 KLB86 p225 f.78(14-16)		=CHME
NMEG	<i>Navicula menisculus</i> Schumann var. <i>grunowii</i> Lange-Bertalot	1993BD27p120f64:1-11 KLB91 p370f61/10-16		=NANT(=NMEN f. <i>minutissima</i> ss. H45)
NMEN	<i>Navicula menisculus</i> Schumann var. <i>menisculus</i>	KLB86 p105 f32(16-25) KLB91p370f61/17-18		
NMUP	<i>Navicula menisculus</i> Schumann var. <i>upsaliensis</i> Grunow	PR66 Germ.81 KLB86 p.105 f.32(16-17)		
NMNS	<i>Navicula meniscus</i> Schumann	KLB86 p.101 f.32(2-4)		(=NPME)
NMIN	<i>Navicula minima</i> Grunow	1880-1885KLB86 p229 f.76(39-47)		=EOMI(=NTAN)
NMIS	<i>Navicula minuscula</i> Grunow in Van Heurck 1880	KLB86 p.207 f.69(18-23)		=ADMS(=NIPO)
NMMU	<i>Navicula minuscula</i> Grunow var. <i>muralis</i> (Grunow) Lange-Bertalot	1981 KLB86 p.207 f.69(24-27)		=ADMM(=NCLO=NPEX=ppNMUR)
NMLF	<i>Navicula molestiformis</i> Hustedt	1949p86f5:9 KLB86p130f45(1-9)S87p342f523:26-29		=CMLF (=NFLUpp.=NTWY=NEXSssH30) =FMOE RMC90 Reich.84 S87 p.332f.508:40-41
NMOC	<i>Navicula monoculata</i> Hustedt	1945p921f41:4 KLB86 p 174 f.66(12-16)		
NMON	<i>Navicula monodon</i> Brun			
NMUT	<i>Navicula mutica</i> Kutzing	1844 KLB86 p.149 f.61(1-11)		=LMUT RMC90 p.670 (=NIMB=NPRM?)
NMVE	<i>Navicula mutica</i> Kutzing var. <i>ventricosa</i> (Kutz.) Cleve et Grun.	1880 KLB86 p.150 f.61(9-11)		=LVEN RCM 90 (=NNEO)
NNIV	<i>Navicula nivalis</i> Ehrenberg	1854 KLB86 p.153 f.61(17-20)		=LNIV RCM90p671(=NMNI)
NNOT	<i>Navicula notha</i> Wallace	in KLB91p388f70/15-24		
NNOV	<i>Navicula novaesiberica</i> Lange-Bertalot	1993BD27p126f61:1-8 KLB91p380f66/5-8		

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NOBG	<i>Navicula obligata</i> Hustedt	1966p592f1597		=LOBG(=NMGA in ASA1874pl405/37-38)
NAOB	<i>Navicula obsoleta</i> Hustedt	KLB86 p.231f.76(17-20)		(=NVAU ?)
NOCU	<i>Navicula occulta</i> Krasske	1929 KLB86 p.176 f.66(5-8)		
NOLI	<i>Navicula oligotrappenta</i> Lange-Bertalot & Hofmann	1993BD27p128f48:6-11 49:3-4 KLB91p368f60/16-21		(=NTOL)
NPBI	<i>Navicula paramutica</i> Bock var. <i>binodis</i> Bock	1963p237f1/75-76 KLB86 p.155f.61(27-31)		=LPAR RCM90p671(=NMUT?)
NPEL	<i>Navicula pelliculosa</i> (Brebisson ex Kutzing) Hilse	KLB86 p.208 f.74(37-38)		=FPEL
NPHY	<i>Navicula phyllepta</i> Kutzing	1844 KLB86 p.104 f.32(5-11) SVH100		LB98ID6p69f13:6-11 f18:3
NPLA	<i>Navicula placentula</i> (Ehr.) Kutzing	KLB86 p.145f.50(1-4)		=PPLC
NPLR	<i>Navicula placentula</i> (Ehr.) Kutzing fo. <i>rostrata</i> (Mayer)Hustedt	1930 p304 f.533		=PPLR
NPLI	<i>Navicula plicata</i> Ehrenberg	Cox88 DR.3(1) p.24 cf.KLB86p.162 f.55(4)		=PPLI
NPAG	<i>Navicula pseudoanglica</i> Lange-Bertalot	COX87 KLB86 p.137 f.46(13-15)		=PPSA (=NANG)
NPSL	<i>Navicula pseudolanceolata</i> Lange-Bertalot	1980 KLB86 p.113 f.36(8)		(=NLLT)
NPTE	<i>Navicula pseudotenelloides</i> Krasske	1999ID6f16/12-16		
NPUP	<i>Navicula pupula</i> Kutzing	1844p93f30/40 KLB86 p.189 f.68(1-21)		=SPUP Hust.61p121f1254a-g
NPYG	<i>Navicula pygmaea</i> Kutzing	1849p77 KLB86 p.171 f.65(1-6')		=FPYG in RCM90p.554
NRAD	<i>Navicula radiosa</i> Kützing	1844p91f4/23 KLB86 p.99 f.29(1-4)		KLB91p380f66/10-11 67/19
NRFA	<i>Navicula radiosafallax</i> Lange-Bertalot	1993BD27p131f52:1-3 KLB91p382f67/1-18		(=NRPA)
NRCS	<i>Navicula recens</i> (Lange-Bertalot) Lange-Bertalot	1985 KLB86 p.95 f.27 KLB91p390f71/7-8		(=NCRE)p95 f27(7-11) Fukushima & al94-11Dsp143
NRCH	<i>Navicula reichardtiana</i> Lange-Bertalot var. <i>reichardtiana</i>	1989BD18p163f98:19-27 KLB91p384f68/10-15 69/1		(=NEXF ? =NEXI ss KLB86)
NRCH	<i>Navicula reichardtiana</i> var. <i>crassa</i> Lange-Bertalot & Hofmann	1993BD27p133f47:4-10KLB91p384f68/16-19		=NXAS
NREI	<i>Navicula reinhardtii</i> (Grunow) Grunow in Cl. & Möller	1877 KLB86 p.120 f.40(1-2)		
NRHY	<i>Navicula rhynchocephala</i> Kutzing	1844p152f30/35 KLB86p.101f.30/5-8 31/1-2		KLB91p378f65/1-2p380f66/1-2 1993BD27p134f62:1-
NRGE	<i>Navicula rhynchocephala</i> Kutzing var. <i>germainii</i> Wallace	1966p506f48:8 PR66		=NVGE
NRHT	<i>Navicula rhynchotella</i> Lange-Bertalot	1993BD27p135f62:4-6 63:1-4		(=NRHA pp.) KLB91p.378f65/3-4 f66/1-2 (pourrait etre AAUS selon HLB puis DESCY 83)
NROT	<i>Navicula rotaena</i> (Rabh.) Grunow			
NRTD	<i>Navicula rotunda</i> Hustedt 1945	KLB86 p.194 f.69(11-13)73(23-24)		(=NLMT)
NSAL	<i>Navicula salinarum</i> Grunow in Cleve et Grunow	1880 KLB86 p.106 f.35(5-8)		
NSAP	<i>Navicula saprophila</i> Lange-Bertalot & Bonik	1976 KLB86 p.207 f.74(35-36)75(38)		=FSAP
NSAX	<i>Navicula saxophila</i> Bock	KLB86 p.155 f.63(4-6)		=LSAX RCM 90)MLBM98BD38p50f6/24-27
NSMM	<i>Navicula schmassmanii</i> Hustedt	KLB86 p.196 f.70(8-13)		
NSCH	<i>Navicula schoenfeldii</i> Hustedt	1930 KLB86 p.178 f.64(1-11)		=GSHO(=NDLM?=NCRW)
NSHR	<i>Navicula schroeteri</i> Meister var. <i>schroeteri</i>	1932 KLB86p115f38(1-4) KLB91p394f73/1-2		(NSYM=NSES)
NSSY	<i>Navicula schroeteri</i> Meister var. <i>symmetrica</i> (Patrick) Lange-Bertalot	KLB91p394f73/4-5 MSLB95BD32p124f58/8-10		(=NSYM)

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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
NSCD	<i>Navicula scutelloides</i> W.M.Smith	KLB86p.160f.59(16-19)		=CVSO
NSEB	<i>Navicula seibigiana</i> Lange-Bertalot	1993BD27p137f44:6-15 KLB91p374f63/1-6		(=N seibigii proche NCIN? NTEN?)
NSMH	<i>Navicula semihyalina</i> Bock			1970 KLB86 p229 f.76(48)
NSEM	<i>Navicula seminulum</i> Grunow	1860 KLB86 p230 f.76(30-36)		=SSEM
NSIM	<i>Navicula similis</i> Krasske	1929 KLB86 p.143f.41(5-7)		=GSML
NSLE	<i>Navicula slesvicensis</i> Grunow	KLB86 p.102 f.31(3-5)		
NSOR	<i>Navicula soehrensensis</i> Krasske	1923 KLB86p.224f.78(1-7)		=CHSO
NSOH	<i>Navicula soehrensensis</i> Krasske var.hassiacae (Krasske) Lange-Bertalot	1985 in		=CHSH(=NHAS)KLB86 p224 f.78(10-13)
NSOM	<i>Navicula soehrensensis</i> Krasske var.muscicola (Petersen) Krasske	1929 KLB86 p224 f.78(8-9)		=CHSM(=PMUS)
NASP	<i>Navicula</i> sp.			
NSPD	<i>Navicula splendicula</i> Van Landingham	KLB86 p.112 f.36/1-3		
NSTL	<i>Navicula striolata</i> (Grun.) Lange-Bertalot	KLB86p120f40(3-7)		(=NRGRssGrun.=NOPUssCoste)
NSTR	<i>Navicula stroemii</i> Hustedt	1931p544f3 KLB86p.194f.69(1-10)		=SSTM(=NVAS=NSBB=NVTO=NAGE)S87p128f211:9-16
NSBH	<i>Navicula subhamulata</i> Grunow	KLB86 p.192 f.66(32-34)83(4)		=FSBH RMC 90 p. 669
NSLU	<i>Navicula sublucidula</i> Hustedt	1950p354t38/16 S87p.358:542/14-16		KLB86 p.193 f.66(40-42)Reich.84-94
NSBM	<i>Navicula subminuscula</i> Manguin	1941p139 f2/39 KLB86p.223f.76(21-26)		=ESBM(=NFRU=NVAU=NDEM=NLUZ=NPPV =CSBM(=NMMO in Reich.84)S87p342 f523:21-25
NSMO	<i>Navicula submolesta</i> Hustedt	1949 p86f5:16-18 KLB86p.131f.45(26-30)		
NSMU	<i>Navicula submuralis</i> Hustedt	1945 KLB86 p.203 f.73(12-15) S87p330f508/7-9		
NSBR	<i>Navicula subrotundata</i> Hustedt	1945 KLB86 p.204 f.73(16-20 21-22?)		Compere 75 Tchad (=NUTE)
NSUB	<i>Navicula subtilissima</i> Cleve	1891 Act.SocFFF8p37f2:35 KLB86p.182f.79(13-15)		=KOSU(=KSUB=NSUM)KOB.88 Bot.Mag.10
NSUC	<i>Navicula suchlandtii</i> Hustedt	1934-1943 f399:24-28 KLB86 p.181 f.79(9-12)		=ADLS(=NBRY ?) S87 p.171 f.275:9-17
NTEN	<i>Navicula tenelloides</i> Hustedt	1937 KLB86 p.117 f.38(16-20)		
NTRI	<i>Navicula tridentula</i> Krasske	1923p198f1 KLB86 p.210 f.80(1-3)		Hust.61p82f1223 CE.53p189f896a
NTPT	<i>Navicula tripunctata</i> (O.F.Müller) Bory	1822 KLB86 p95 f.27/1-3		(=NGRA in P. & R. 66 )
NTRV	<i>Navicula trivialis</i> Lange-Bertalot var. <i>trivialis</i>	1980 KLB86p.110f.35(1-4) KLB91p368f60/14-15		(=NGOT s.Germ.=NLAN s.Ktz.)
NTOL	<i>Navicula trivialis</i> var. <i>oligotrappenta</i> Lange-Bertalot & Hofmann	KLB91p368f60/16-21		=NOLI
NTUS	<i>Navicula tuscula</i> Ehrenberg	KLB86 p234f.81(1-7)167a(6)		=ANTU Round & al. 1990(=NCRN)
NVDA	<i>Navicula vandamii</i> Schoeman & Archibald	1987LB93p138KLB91p384f68/1-4MS95BD32p127f58/4		(=NACE Schoem. non NACE Herib.)
NVAR	<i>Navicula variostrata</i> Krasske	KLB86 p.203 f.73(8-11)		=CVVA Round 1990
NVEN	<i>Navicula veneta</i> Kutzing	1844 KLB86 p.104 f.32(1-4)		(=NCVE)
NVTL	<i>Navicula ventralis</i> Krasske	1923 KLB86 p.197 f.71(1-2) KLB91p40f24/8-22		=PVEN(=AVTL?=NVTC ss H61 p140 f1273a-d)

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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
NVGE	Navicula viridula var.germainii (Wallace) Lange-Bertalot	1993BD27p139f53:12-13 KLB91p392f72/3-5		=NGER(=NROS ss G36=NRGE=NGER)
NVRO	Navicula viridula (Kutz.) Ehr. var.rostellata (Kutz.) Cleve	KLB86 p115 f.37(5-9) KLB91p392f72/6-8		(=NROS in HLB 80)
NVIR	Navicula viridula (Kutzing) Ehrenberg	1836p53 KLB86 p.114 f.37(1-2)		
NVIL	Navicula viridula (Kutzing) Ehrenberg var.linearis Hustedt	KLB86 p.115 f.37(3-4) KLB91p392f72/1-2		(=NVCC)
NWEL	Navicula wellneri Lange-Bertalot	1987 BD15 p123-124 f40:28-31		=NUWE
NWIE	Navicula wiesneri Lange-Bertalot	1993BD27p140f41:23-27 42:3-6KLB91p366f59/19-22		(=NUMI=NHEF)
NWIL	Navicula wildii Lange-Bertalot	1993BD27p141f46:9-13 KLB91p372f62/1-10		(proche NCTE =NRPA?)
NPRO	Navicula(dicta) protracta(Grunow)Cleve	KLB86p.163f.55(5-10)		(=NPES)
NEAF	Neidium affine(Ehrenberg)Pfitzer	1871 KLB86 p.280 f.(8-10)f103a/4,5 106/8-10		(=NEAA=NEAU)
NALO	Neidium affine(Ehrenberg)Pfitzer var.longiceps (Gregory) Cleve	KLB86 p.281f.103a(4-5)		(=NEAF?)
NALP	Neidium alpinum Hustedt	1943KLB86p.273f.101/13-17 103a/7-8		(=NQPU=NETE=NEPE) S87p312,363p1470/15-16
NEAM	Neidium ampliatum (Ehrenberg) Krammer	KLB86p279f105-107		(=NEIA=NEIP=NEIV=NEIO)
NBNF	Neidium binodeforme Krammer	KLB86 p.271 f.100(6-8)		(=NBID ss.Germain 81)
NBID	Neidium binodis (Ehrenberg) Hustedt	1945 KLB86p.270f.100(3-5)		(=NBND)
NBIS	Neidium bisulcatum (Lagerstedt) Cleve	1894 KLB86 p.277 f.103(1-8) 99ID6f39/5-7		
NDSS	Neidium densestriatum (Ostrup) Krammer	1985 KLB86p.269f.100(10-13)		(=CLDS=NELD)
NEDU	Neidium dubium(Ehrenberg)Cleve	1894 KLB86 p.267 f.99(1-7)		
NEHC	Neidium hercynicum A.Mayer	1917 Schim.78 KLB86p.277f.103(11-16)		(=NEAH)
NITZ	NITZSCHIA A.H. Hassall	1845 RCM 90 p.620:a-l	NITZSCHIACEES	
NACI	Nitzschia acicularis(Kutzing) W.M.Smith	1853 KLB88 p.123 f.85(1-4)		
NACD	Nitzschia acidoclinata Lange-Bertalot	KLB88 p100f.73(1-8)		(=ppNFPM)
NACU	Nitzschia acula Hantzsch	KLB88 p.16figs.4(7)8(5-8)		(=N.acuta Hantzsch.)
NAGW	Nitzschia agnewii Cholnoky	1962 p.94 f18 LBK87 BD15 p4f33(25-27A)		
NZAL	Nitzschia alpina Hustedt	1943p232f60-65 LB80 KLB88 p101f.74/1-10		S87p313f471/6-11 LB99ID6f69/4-7
NAMP	Nitzschia amphibia Grunow f.amphibia	1862 KLB88 p108f.78(13-21)		
NAMH	Nitzschia amphibioides Hustedt	1942p132f283-288 S87p.291:430/5-10		=NSRB LBK87p6f37(1-10)KLB88p109f78(27-29)
NIAN	Nitzschia angustata Grunow	KLB88 p.48 f.36(1-5)		=TANG
NZAG	Nitzschia angustatula Lange-Bertalot	1987 p6f18:1-4 KLB88 p48 f.36(6-10)		(=NIAA pp.)
NAGF	Nitzschia angustiforaminata Lange-Bertalot	1980 KLB88 p98 fig.70(10-13)		
NAPI	Nitzschia apiculata(Gregory)Grunow	1878 p.118,CE.52p.62f1437 Hendey 64 p.279		=TAPI RCM90p679(=NCOT) LBK87 p8 13 f17(1)
NIAR	Nitzschia archibaldii Lange-Bertalot	1980 KLB88 p.115 f.81(10-12)		(=NPID?)
NBCL	Nitzschia bacillum Hustedt	1922p149f51-52KLB88p108f78(7-12)S87p68p186/5.		(=NFON ss Hust.49) LB93p145f114:14-23)
NBRG	Nitzschia bergii Cleve-Euler	1952p89f1501 KLB88 p113 f.80(10-15)		(=N.ardua Chol.61)

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NBNO	Nitzschia brunoi Lange-Bertalot	1996ID2p92f101:11-15 102:1		(=NIAN=NIAC ssGrun81in VHS57:22-24)
NICA	Nitzschia calida Grunow	cf.A.&Schoem. 78 KLB88 p40 fig.30(1-5)		=TCAL(=NUBL) (=NGAN=NIAL=NIFQ=NEXA)S87p78f103:6-13
NCPL	Nitzschia capitellata Hustedt in A.Schmidt & al.	1922 ASA348:57-59 KLB88p88f62(1-12)63(1-3)		
NCLA	Nitzschia clausii Hantzsch	KLB88 p31 fig.19(1-6)		
NCOM	Nitzschia communis Rabenhorst	1860 LB93BD27p145f125:1 KLB88 p110 f.79(1-6)		
NICO	Nitzschia commutata Grunow in Cleve et Grunow	1880 KLB88p56f42:1-6		(=NIOS=NDUBpp=NIOS=NPIC=NHYBpp)
NCOT	Nitzschia constricta (Kutzing) Ralfs	KLB88 p.43 fig.35(1-6)		=TAPI(=NAPI LBK87 p13f17(1))
NDEB	Nitzschia debilis(Arnott)Grunow			(=NTRD) in V.Land.KLB88 p39 fig.27(9-11)
NDEN	Nitzschia denticula Grunow	LB93BD27p147f120:1-2		(=DKUE KLB88 p.143 f.98/8-18=NAMH pp)
NDES	Nitzschia desertorum Hustedt	KLB88 p99f.70(10-13)S87p354f537/19-23		1949p50f1/53-55
NDPU	Nitzschia disputata Carter	1971 (Devil's hole cave)KLB88 p.51 NH21		=NEDT (=NEPF HLB?)
NDIS	Nitzschia dissipata(Kutzing)Grunow var.dissipata	1862 KLB88 p.19fig.11(1-7)		
NDME	Nitzschia dissipata(Kutzing)Grunow var.media (Hantzsch.) Grunow	KLB88 p.19fig.11(8-14)		
NDRA	Nitzschia draveillensis Coste & Ricard	1980 KLB88 p.123 f.85(5-6)		
NDUB	Nitzschia dubia W.M.Smith	KLB88 p.55 f.41(1-2)		
NEDT	Nitzschia epithemoides Grunow var.disputata (Carter) Lange-Bertalot	KLB88 p.51 f.40(9-15)		(=NDPU=NEPF=NZPM)KLB87 p16 Carter 1971
NFIL	Nitzschia filiformis (W.M.Smith) Van Heurck	KLB88 p.27figs.19(17-13)20(1-7.13.14)		
NFIC	Nitzschia filiformis var.conferta (Richter) Lange-Bertalot	KLB88 p.28fig.20(1-7,13)LBK87 p18		(=NZAC)
NFON	Nitzschia fonticola Grunow in Cleve et Möller	1879 KLB88 p103f.75(1-22)		(=NROM=NZMA=NZMC)(=N.romana?)
NFBU	Nitzschia frustulum(Kutzing)Grunow var.bulnheimiana(Rabenhorst)Grunow	1861-1879 KLB88 p94f.68(11-19)		
NIFR	Nitzschia frustulum(Kutzing)Grunow var.frustulum	1880 KLB88 p.94f.68(1-8)		(=NLBT=NZPV=NFSS)LBK87 p.19
NIFT	Nitzschia fruticosa Hustedt	1957 p349 f81-82 KLB88 p.86 f.60:8-12		(=NAST) SIM87 p.445 f661:7-11
NGES	Nitzschia gessneri Hustedt	1953p632 f3-7 KLB88 p.106 f.77(11-14)		(=NITE LB 78) S87 p394 f593:7-11
NGGR	Nitzschia goetzeana O.Muller var.gracilior Hustedt			=NINT 1921 p166 f.348 LBK87 p22 f.29(4-6)
NIGF	Nitzschia graciliformis Lange-Bertalot & Simonsen	1978 KLB88 p.115 f.81(8-9)		(=NZGR ssH59 non H53)
NIGR	Nitzschia gracilis Hantzsch	1860 KLB88 p.93f.66(1-11)		(=NZGRss Hust.53)
NHAN	Nitzschia hantzschiana Rabenhorst	1860 KLB88 p101f.73(9-18)		(=NZPV ss Rabh.1861)
NHEU	Nitzschia heuferiana Grunow	1862 KLB88 p.22fig.13(1-5) Kob&Kob90p186		(?NGIS) LBK87 p24 f2(1-4)
NHOM	Nitzschia homburgiensis Lange-Bertalot	KLB88 p.64 f.50(4-9)		(=NTHM pro parte LB79 NH30)
NIHU	Nitzschia hungarica Grunow	1862 KLB88 p.42 fig.34(1-3)		=THUN RMC90 p.678(=NIPC)
NINC	Nitzschia inconspicua Grunow	1862 KLB88 p95f.69(1-13)		(=NIFR ss LB78=?NIVS)
NINT	Nitzschia intermedia Hantzsch ex Cleve & Grunow	1880 KLB88 p87f.61(1-10)		(=NZCG=NZDI=NZCP=NLGL=NZPI)
NKUT	Nitzschia kuetzingiana Hilse			=NIPU (LB76 NH28 KLB88 p111 f.79(12-15))
NILA	Nitzschia lacuum Lange-Bertalot	1980 Bac.3 KLB88 p107f.78(1-6)		



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NLEV	<i>Nitzschia levidensis</i> (W.Smith) Grunow in Van Heurck	KLB88p37f28(1-11)29(1-5)		=TLEV (=NTRL)LBK87p32f.57:15
NLBT	<i>Nitzschia liebetruthii</i> Rabenhorst var.liebetruthii	1864 KLB88 p96f.69(14-32)		(=NQUA LB 80 Bac.3)?=NIFR
NLIN	<i>Nitzschia linearis</i> (Agardh) W.M.Smith var.linearis	1853 KLB88 p.69 f.55(1-10) Kob & Kob.90p184		
NLSU	<i>Nitzschia linearis</i> (Agardh) W.M.Smith var.subtilis(Grunow) Hustedt	KLB88 p.70 f.55(7-10)		(=NISU?)
NZLT	<i>Nitzschia linearis</i> (Agardh) W.M.Smith var.tenuis (W.Smith) Grunow	KLB88 p.70 f.55(5-6)		(=NTGT)
NLIT	<i>Nitzschia littoralis</i> Grunow var. littoralis	KLB88p41f30(6-10)31(3-5)LBK87f14:1		=TLIT in RMC90 p.678 (=NVSG=NLTL)
NMIC	<i>Nitzschia microcephala</i> Grunow in Cleve & Moller	1878 KLB88 p.120 f.83(10-18)		Dim.7-19/2.3-4 9-19f 30-41 st.
NNAN	<i>Nitzschia nana</i> Grunow in Van Heurck	KLB88 p.26fig.17(4-8) LB99ID6f73/1-2		(=NOBN=NIGN)
NOVA	<i>Nitzschia ovalis</i> Arnott ex Grunow	1880 KLB88 p110 f.79(7-11)		
NPAL	<i>Nitzschia palea</i> (Kutzing) W.Smith	1856 KLB88 p85 f.59(1-10)		(=NAMD)
NPAD	<i>Nitzschia palea</i> (Kutzing) W.Smith var.debilis(Kutzing)Grunow in Cl. & Grun	1880(LB 1978)KLB88 p.86 f.60(1-7)		
NPAT	<i>Nitzschia palea</i> (Kutzing) W.Smith var.tenuirostris Grunow in V. Heurck	1881p183 SVH69f13		(=NGAT LB79 ?=NIGR)KLB88 p.85 f.59(21-23)
NPAE	<i>Nitzschia paleacea</i> (Grunow) Grunow in van Heurck	1881 68/9-10 KLB88p114f.81(1-7)		(=NKUTZ ss.H30=NZBA=NZHO)
NIPF	<i>Nitzschia paleaeformis</i> Hustedt	1950 p439 f39:6-14 KLB88 p.90f.65(3-8A)		S87p364f547:20-30 (=NGAN LB78)(36-40st)
NIPM	<i>Nitzschia perminuta</i> (Grunow) M.Peragallo	1903 KLB88p.99f.72(1-23) LB99ID6F69/8-11		(=NIFR LB76=NZFT=NHIE=NIMN)
NPHL	<i>Nitzschia philippinarum</i> Hustedt	1942 p137 f322-330 LBK87 p43 f30:8-9		=NINT ?
NPML	<i>Nitzschia pumila</i> Hustedt	1954 p480 f67-69 KLB88 p.115 f.81(14-15)		S87 p.398 f596:3-5
NIPR	<i>Nitzschia pura</i> Hustedt	1954 LB78 BAC1 KLB88 p75 f.58(1-9) ID6f70/4-5		
NIPU	<i>Nitzschia pusilla</i> (Kutzing)Grunow	KLB88p111f79(12-15)		(=NKUTssH30=NRET=NOTA=NZID)
NREC	<i>Nitzschia recta</i> Hantzsch in Rabenhorst	1861-79LBK87 p46f2:5-6 KLB88 p.20fig.12(1-11)		
NRST	<i>Nitzschia rosenstockii</i> Lange-Bertalot	1980 KLB8 p.116 f.81(17-20A)		(=NAGW=NZAT?)
NSIG	<i>Nitzschia sigma</i> (Kutzing)W.M.Smith	1853 KLB88 p32 figs.23(1-9)24(1)		
NSIO	<i>Nitzschia sigmoidea</i> (Nitzsch)W. Smith	KLB88 p.12fig4/1-2 f5(1-5)		
NSDE	<i>Nitzschia sinuata</i> (Thwaites) Grunow var.delognei (Grunow)Lange-Bertalot	KLB88 p.53 f.40(7-8?4-6)		=NSOL(=NDDE=NITR LB80)
NSIN	<i>Nitzschia sinuata</i> (Thwaites) Grunow var.sinuata	KLB88 p.52 f.39(10-13)		
NSIT	<i>Nitzschia sinuata</i> (Thwaites) Grunow var.tabellaria Grunow	KLB88 p.53 f.39(10-13)		
NSOC	<i>Nitzschia sociabilis</i> Hustedt	1957 KLB88 p.119 f.83(1-9) S87p446f662/12-18		(=NSTB )
NISO	<i>Nitzschia solita</i> Hustedt	1953p152f3-4 KLB88 p99f.71(1-12)		(=NLGL) S87p395f594/20-21
NSUA	<i>Nitzschia subacicularis</i> Hustedt in A.Schmidt et al.	1874 KLB88 p118 f.67(1-3)		(=NIROpp=NZST?=NCFI?=NSRO)
NSBC	<i>Nitzschia subcapitellata</i> Hustedt	1939p663f109 LBK87p53 GERM81 p360 f137:1-4		=NCPL
NSBL	<i>Nitzschia sublinearis</i> Hustedt	1930 KLB88 p74 f.58(10-15)		

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Taxon code	IPS denomination	Reference	FAMILY AND/OR SYNONYMS	SYNONYMS
NZSU	Nitzschia supralitorea Lange-Bertalot	1979 KLB88 p97f.70(14-21)		
NTER	Nitzschia terrestris (Petersen) Hustedt	1934 p396KLB88 p30 fig.22(7-11)LBK87f10:10-13		(=NCOU)
NTHE	Nitzschia thermaloides Hustedt	KLB88 p.59 f.44(1-7)		(=NTCD)
NTRO	Nitzschia tropica Hustedt	1949 KLB88 p103f.75(24-28)76(1-7)		
NTRY	Nitzschia tryblionella Hantzsch	KLB88 p37 fig.27(1-4)		=TGRL (RCM90 p.679)
NTUB	Nitzschia tubicola Grunow	1880 Lobban84CJB62 KLB88 p.90f.63(8-12) ID6f71		(=NGAN=NZAD)Dim:12-13fib 40 st.
NUMB	Nitzschia umbonata(Ehrenberg)Lange-Bertalot	1978 KLB88p.65f.51/1-6A		(=NTHMssH.=NZSE=NSTG=NIFO=NDDC)
NVLC	Nitzschia valdecostata Lange-Bertalot et Simonsen	1978 KLB88 p.121 f.84(91-8)		(=NATH)
NIVA	Nitzschia valdestriata Aleem & Hustedt	1951 p19f5 KLB88 p.121 f.84(9-12)		Simonsen 87 p367 f551:9-13
NVER	Nitzschia vermicularis(Kutzing)Hantzsch	KLB88p.14figs.4(4-5)7(1-7)8(1-2)LBK87f4:5-9		
NWUE	Nitzschia wuellerstorffii Lange-Bertalot	1987p 61 f1:1-14 KLB88p.13f.4(3).f6(1-6)		
OOLS	Opephora olsenii Moeller	1950KLB91p166f118:20 134:9-20 Sundbäck87DR2(2)		=OMUT(=OPAF)Rincé90p.214f8
PFIB	Peronia fibula (Breb.ex Kutz.)Ross	1956KLB91p230f145:1-3 165:15-22		(=PHER=PERI)
PINU	PINNULARIA C.G. Ehrenberg	1843 RCM 90 p.556:a-k	NAVICULACEES	
PACR	Pinnularia acrospheria W. Smith var. acrospheria	1853p53f19:183KLB86p409f181(1-3) K92p80f19:1-6		(=PACR Rabh 1853p45f6) K00DE1p54f19:1-6 20:1-7
PAPP	Pinnularia appendiculata(Agardh)Cleve	1895p75KLB86p.427f.193(19-29) K92P103F36:15-25		(=PIRR=PAIR=PSIL)
PBLT	Pinnularia balatonis (Pantocsek) F.W.Mills	1934p988 KLB86 p.422 f.188(13)k92p98f32:1		
PBRT	Pinnularia borealis Ehrenberg f.rectangularis Carlson	1913p21 f3:15 KLB86 p405 f.177(8-11)178(7)		=PDUB(=PEBU) K92BD26p58f9:1-10 K00DEp241f6:6 7:6-13 8:6
PBOR	Pinnularia borealis Ehrenberg var. borealis	1843KLB 86 p405 fig.177(1-4,6-7,12)		
PBTH	Pinnularia borealis Ehrenberg var. thuringiaca (Rabh.) Krammer	KRAM92p58f10:1-3 5-7		=PRAB(=PLTH)
PBSC	Pinnularia borealis Ehrenberg var. scalaris (Ehr.) Rabenhorst	1864p216 KRAM92p59f9:11-12 14-20		K00 DE1p25f.8:10-14
PBRN	Pinnularia brauniana(Grunow) Mills	K92p117f42:8-15		(=PBRA)
PBRE	Pinnularia brebissonii (Kutz.) Rabenhorst	1864p222 K92p95 f31:1-17 32:2-8		(=PMBR KLB86p.426f.191(7-9))
PDDE	Pinnularia divergens W.M.Sm.var. decrescens (Grunow) Krammer	1992 BD26p90f25:3-4 28:1-5		K92p89f25:1-2 26:1-2 K92p89f25:1-2 26:1-2K00f28:1-8 29:1-6 32:6-8
PDIV	Pinnularia divergens W.M.Smith var. divergens	1853 p.57 f.18/177 KLB86 p.407 f.179(3-8)		(=PABA=PSTA) K92p124f5:1-4 45/11
PGIB	Pinnularia gibba Ehrenberg	1841KLB86p423f189/1-9 186:1-3		
PGLO	Pinnularia globiceps Gregory	1856KLB 86 p415 fig.187:10-16 K92p76f17:11-15		
PHEM	Pinnularia hemiptera (Kutzing) Rabenhorst	1853p42f6:17 KLB86 p.410 f.182(1-3)		K92 p.130 f49:6-8 KRAM92p60f11:1-8 K00 DE1p30f8:15-25 13:36
PITM	Pinnularia intermedia (Lagerstedt) Cleve	1895 p.80 KLB86 p406 f.178(1-6)		(=PBIC=PMES=PBCP)
PINT	Pinnularia interrupta W.M.Smith	1853p.59 f.19/184 KLB86p.424f.190(1-11)		

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PLEG	<i>Pinnularia legumen</i> Ehr.	KLB86 p.413 f.184(1-4) K92p94f30:1-9		
PLUN	<i>Pinnularia lundii</i> Hustedt var. <i>lundii</i>	1954 GERM81 KLB86p415f187(10-16) K92p75f17:1-		(=PIAT=PINT v.crassior=PGLO v.crass.)
PMAJ	<i>Pinnularia maior</i> (Kutzing) Rabenhorst	1853p42f6/5KLB86 p.429 fig.196(1-4)7(3-4)13(7)		
PMES	<i>Pinnularia mesolepta</i> (Ehrenberg)W.M.Smith var. <i>mesolepta</i>	KLB86p.424f.190(1-11) K92p118f43:1-8 44:1-12		(=PINT W.Sm. (=PBIC=PBBCP)
PMIC	<i>Pinnularia microstauron</i> (Ehr.) Cleve	1891p28KLB86p.425f.191(1-9)192(1-16)		k92p98f32:9-17 33:1-19 34:1-8 35:9-13
PMBR	<i>Pinnularia microstauron</i> (Ehr.) Cleve var. <i>brebissonii</i> (Kutzing) Mayer	1912 KLB86p.426f.191(7-9)		=PBRE
PNEO	<i>Pinnularia neomajor</i> Krammer	1992 BD26 p150f6:1-4 62:1-5 63:1-3		(=PMAJ ss Cleve 1895)
PNOD	<i>Pinnularia nodosa</i> (Ehrenberg) W.Smith var. <i>nodosa</i>	1856KLB86p409f181(4-10)18(4)GERM81		K92p81f20:1-14 18:22-23K00DE1p56f24:1-14 25:1-
POBS	<i>Pinnularia obscura</i> Krasske	1932p117f3:22KLB86p420f185(20-23)		(=PBDI=PMBD) K92p65f12:19-26K00DE1p50f13:10-27
PPOL	<i>Pinnularia polyonca</i> (Brebisson) W.Smith	1856p95KLB86 p.417 f.184(5) K92f42:5-7		
PRUP	<i>Pinnularia rupestris</i> Hantzsch in Rabenhorst 1861	N1203K92p141f53:1-7 54:1-11 55:6-8 59:1-4		(=PVRU) KLB86 p.421 f.186(9-10)
PSHO	<i>Pinnularia schoenfelderi</i> Krammer	1992BD26p70f15:1-13 K00DE1p40 f10:18-27		(=PMBD ss H30p322f585)
PSIL	<i>Pinnularia silvatica</i> Petersen	1935p147f7 KLB86p.427f.193(19-29)LB87p125		K92p102f36:1-14 75:6-8 K00DE1p43f17:23-26
PSIN	<i>Pinnularia sinistra</i> Krammer	1992 BD26 p105 f36:26-35		(=PSCA petites formes elliptiques)
PSEL	<i>Pinnularia subcapitata</i> Gregory var. <i>elongata</i> Krammer	1992p108f38:1-11 39:1-15		
PSCA	<i>Pinnularia subcapitata</i> Gregory var. <i>subcapitata</i>	1856 p.9f1/30 KLB86p.426f.193(1-18) K92p107f37		(=PHIL=PSHI) K92p107f37:17-28
PSGI	<i>Pinnularia subgibba</i> Krammer var. <i>subgibba</i>	K92p126f3:3 46:1-7 47:1-6		(=PGLI=PABA=PSTA)
PSRO	<i>Pinnularia subrostrata</i> (A.Cleve) Cleve-Euler	1955 KLB86 p.419 f.185(11-19) K92p64f12:16-18		
PSRU	<i>Pinnularia subrupestris</i> Krammer var. <i>subrupestris</i>	1992 BD26 p143f53:8-13		
PVIF	<i>Pinnularia viridiformis</i> Krammer	1992 p160f1:4 4:1-4 68:1-4 69:1-5		(=PSMI=P.vir. minor)
PVIR	<i>Pinnularia viridis</i> (Nitzsch) Ehrenberg	1843 KLB86p.428f.194(1-4)195(1-6)2(4-6)		K92p158f2:4 65:1 67:1-4
PCLT	<i>Placoneis clementis</i> (Grun.) Cox	1987 Diat.Res.2(2)		(=NCLE)
PDIC	<i>Placoneis dicephala</i> (W.Smith) Mereschkowsky	Cox 87 Diat.Res.2(2)		(=NDIC)
PELG	<i>Placoneis elginensis</i> (Greg) Cox	Cox 87 Diat.Res.2(2)p155f34,45-46,51		(=NELG=NANG)
PLEV	<i>Pleurosira laevis</i> (Ehrenberg) Compere f. <i>laevis</i> Ehrenberg	1982 Bac5 KLB91p86f83:1-4		(=BLEV=CLEV=ALEV=Biddulphia =Cerataulus levis
RSIN	<i>Reimeria sinuata</i> (Gregory) Kocielek & Stoermer	1987 Syst. Bot. 12:457 Sala & al93DR8:2p440		(=CSIN)
RUNI	<i>Reimeria uniseriata</i> Sala Guerrero & Ferrario	1993 DR8:2p445f2-6		(=CSIN ss Schoeman & Archibald 78)
RABB	<i>Rhoicosphenia abbreviata</i> (C.Agardh) Lange-Bertalot	1980 KLB86 p.381 f.91(20-28)		(=RCUR)
RCUR	<i>Rhoicosphenia curvata</i> (Kutzing) Grunow	1860p511		=RABB LB80 KLB86 p.381 f.91(20-28)
RGIB	<i>Rhopalodia gibba</i> (Ehr.) O.Muller var. <i>gibba</i>	1895LBK87p78 KLB88p159f111(1-2 4 6 7-13)		(=RGIV)
SEBA	<i>Sellaphora bacillum</i> (Ehrenberg) D.G.Mann	1989 BPJ24/1p2 KLB86 p.187 f.67(2-4)		(=NBAC)
SELA	<i>Sellaphora laevis</i> (Kutzing) D.G. Mann	1989 BPJ24/1 p2 KLB86 p.189 f.67(6-10)		(=NLAE=NWIT)
SEMU	<i>Sellaphora mutata</i> (Krasske) Lange-Bertalot	1996ID2p101f81:13-13'		(=SPMU?=NPUM)

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SNYA	Sellaphora nyassensis (O.Muller) D.G. Mann	1989 BPJ24/1p2		(=NNYA=NPNS) (=NPUP)1844p93f30/40 KLB86 p.189 f.68(1-21)
SPUP	Sellaphora pupula (Kutzing) Mereschkowksy	1902 RCM 90 p. 552:a-k MANN89 BPJ24/1p2		(=NSEM)
SSEM	Sellaphora seminulum (Grunow) D.G. Mann	1989 BPJ24/1p2 KLB86 p230 f.76(30-36)		(=NDLO=NCHS=NIAT)
SIDE	Simonsenia delognei Lange-Bertalot	1979 BAC 2 KLB88p135f84(13-19)		(=Microsiphonia potamos Weber 1970)
SKPO	Skeletonema potamos (Weber) Hasle	1976J.Phycol.12 KLB91p82 f85:4-8		
STAU	STAUONEIS C.G. Ehrenberg	1843 RCM 90 p.592:a-k	NAVICULACEES	
STAG	Stauroneis agrestis Petersen	1915 KLB86 p.247f.90(21-22) ID6f27/5-6		
STAN	Stauroneis anceps Ehrenberg	1843KLB86 p240f.87(3-9)88(1-4)LB98ID6p88		
STBR	Stauroneis brasiliensis (Zimmerman) Compere	1975BJBNB45p377		(=STME=SZBR=SZCR=CCRU)
SGRL	Stauroneis gracilior Reichardt	1995 Iconographia Diatomologica 1p17f18/1-15		(=SAGR)
STKR	Stauroneis kriegeri Patrick	1945 KLB86p.248f.90(23-27)		(=SPYG GERM81 P.R.66)
SLAP	Stauroneis lapidicola Petersen	1928 KLB86 p.249 f.91(10-11)		(=SGRAssHust1930)
STLE	Stauroneis legumen(Ehrenberg)Kutzing	KLB86 p243f.89(12-15)		
SOBT	Stauroneis obtusa Lagerstedt	KLB86 p.245f.90(1-6)		
SPHO	Stauroneis phoenicenteron (Nitzsch) Ehrenberg	1843KLB86p239f6:7-8 15:2 18:6 84:1-3 85/1-6		(Cf.Mann & Stickle95DR10(2)p277)
SPRO	Stauroneis producta Grunow	KLB86 p243f.89(1-7)		
STPR	Stauroneis prominula (Grun.) Hustedt	KLB86p.247f.90(16-20)Schim.73.Fog.71-73		(=STBI) LB98p96f32:5-10 ID6f32/5-10
STPO	Stauroneis pseudosuboptusoides Germain	1981 KLB86 p.249f.91(1-7)		
SSMI	Stauroneis smithii Grunow	KLB86 p.244f.89(16-23)		
STAK	Stauroneis tackei (Hustedt) Krammer & Lange-Bertalot	1985 KLB86 p.249 f.91(12-13)		(=SPAL=NTAC)
STHE	Stauroneis thermicola (Petersen) Lund	KLB86 p.248f.90(31-34)		
SUND	Stauroneis undata Hustedt	1939 KLB86 p243f.89(8-10)		(=S.thienemannii H54)
SCON	Stauosira construens Ehrenberg	1987 Diat.Res.2(2). Williams & Round		(=FCON)
STDE	Stenopterobia delicatissima (Lewis) Brebisson ex Van Heurck	LBK87f58:6-9 KLB88p210f170-74(1-12)		(=SDEL)
STEP	STEPHANODISCUS C.G. Ehrenberg	1845 RCM90 p.148 f.a-j	CENTROPHYCIDEES COSCINODISCACEES	
SALP	Stephanodiscus alpinus Hustedt in Huber-Pestalozzi	1942p412f508 HAK84Bac7 KLEE87 KLB91p70f72:1a-		THER88 BPJ27(4)p485 S87p308f460:6-7Hickel93
SBNT	Stephanodiscus binatus Hakansson & Kling	1990DR5/2p.274f1-8		
SHTE	Stephanodiscus hantzschii fo. tenuis(Hustedt)Hakansson et Stoermer	Hakansson et Stoermer NH39 1984		=SHAN(=STTU)
SHAN	Stephanodiscus hantzschii Grunow in Cl. & Grun. 1880	KLB91p73 f.75:4-11 76:1-3 Kling92 DR7:2p241		(=STTU=S.pusillus)
SMED	Stephanodiscus medius Hakansson	1986BPJ21 KLB91P73 f75:1-3b		(=S.minutus Grun.ex Cleve et Moller 221)
STMI	Stephanodiscus minutulus (Kutzing) Cleve & Moller	Hak.86BPJ21(1).Kob.85 Klee 87 KLB91p71f74:5-7		Hak.90 DR5/2p.282f29-32(=SASM=SRMI=SPER)
SNEO	Stephanodiscus neoastreae Hakansson et Hickel	1986 BPJ 21(1)KLB91p68 f69:3 70:3 71:3a-5b		(=SAST? eutrophe?) Genkal93DR8(1)f47-58 Hak94

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SPAV	Stephanodiscus parvus Stoermer et Hakansson	1984 NH34(=SCTLcf.Kobayasi86)KLB91p71f74:1-4		(=SHPA) KLB9169:4-5 70:2 f71:1-2b(=SAST Grunow 1880)
SROT	Stephanodiscus rotula (Kutz.) Hende	1964Ther.84 System.Bot9 KLB91p68f68:4ab Hak94		
SVES	Stephanodiscus vestibulis Hakansson Theriot & Stoermer	KLB91p72 f74:8a-9		
SUAC	Surirella aculeata Hustedt	1922ASA354/9 355/1 S87p82:112/3-4 113/1		
SAPH	Surirella amphioxys W.Smith	LK87f56KLB88p189f138(1-5)39(1-8)		(=SMOEssGER81)
SANG	Surirella angusta Kützing	KLB88 p187 f133(6-13)134(1 6-10)		(=SOAN=SOAP=SUAP =SOVI LB 79)
SBIF	Surirella bifrons Ehr.	KLB88 p.196 f.145-146-147(2-4 1-4 1-5)		(=SBBI=SBSU)
SBIR	Surirella birostrata Hustedt	1912ASA281/20-22KLB88p197f148(1-4)		S87p27pl15/1-8
SBIS	Surirella biseriata Brebisson in Brébisson & Godey	1835KLB88 p195f.141-145(1-3 1-5 1-9 1-3 1)		(=SUCE)
SBRE	Surirella brebissonii Krammer & Lange-Bertalot var.brebissonii	1987DR2(1)KLB88p179f123(4-5)125(2-11)		(=SOVA)
SBKU	Surirella brebissonii var.kuetzingii Krammer et Lange-Bertalot	1987DR2(1).KLB88p180f127(1-8)		(=SOVA pp)BD15f53
SBRI	Surirella brightwellii W.Smith var.brightwellii	1853 KLB87 DR2(1) KLB88 p184 f132(1-8)		
SUCA	Surirella capronii Brebisson in Kitton	KLB88 p.205 f.166-167(1-4 1-4)		
SCRU	Surirella crumena Brebisson ex Kützing	KLB 87 DR2(1) KLB88p182f129(1-5)		(=SOCR)
SHEL	Surirella helvetica Brun	1880 p100 f2/4		=SLHE
SLIN	Surirella linearis W.M.Smith	KLB88p198f149-150-151(1-9 1 1-4)		(=SASY)
SLHE	Surirella linearis W.M.Smith var.helvetica(Brun)Meister	KLB88 p.199 f.151(2-4) GUTt5f1-6		
SUMI	Surirella minuta Brebisson	KLB87DR2(1)f69KLB88p186f127/14,134:2,11-12		(=SOPI=SOSA) KLB88 f125:1-14
STNE	Surirella nervosa(Schmidt)Mayer			=SUTEpp(=STNV. Van Landingham)
SOVI	Surirella ovalis Brebisson	1838 LK87f53KLB88p178f125(1-7)126(1)		(=SOVIssKtz1844) =SBRE(ssHust30) KLB87-88 (=SOVI selon HLB 79)
SOVA	Surirella ovata Kützing	1844p.62 7/1-3		
SURI	SURIRELLA P. J.F. Turpin	1828 RCM90 p.644:a-j	SURIRELLACEES	
SRBA	Surirella roba Leclercq	1983 BJB53p.493f1(2-6)KLB88 p.200 f.148(5-9)		
SURO	Surirella robusta Ehrenberg	KLB88 p.201 f.156(1-5)157(1-4)		(=SVAL)
SSPL	Surirella splendida (Ehr.) Kutz.	KLB88 p.202 f.158-159-160(1-3 1-6 3-4)		(=SRSP)
SSUE	Surirella suecica Grunow	KLB88p206f151(5-7)Coste & Ricard 82		(=SOSA ?)
SUTE	Surirella tenera Gregory	LBK87p107 KLB88 p.203 f.164-165(1-4 1-3)		(=STNV pp)
STER	Surirella terricola Lange-Bertalot & Alles	1993BD27p159f53:1-2 1996ID2p107f106:16		(=SOVAssLund46)
STUR	Surirella turgida W.M.Smith	KLB88 p.197 f.152(1-5)		
SACU	Synedra acus Kützing	1844 in		=FUAC LB81 NH33 p.745
SBAC	Synedra baculus Gregory	1857 p83 1/54 CE.53p73f394		
SULN	Synedra ulna (Nitzsch.)Ehr.	1838 in		=FULN LB81 NH33 p.745
SUDA	Synedra ulna (Nitzsch.)Ehr.var.danica(Kützing)Grunow	in VH1881p151f38:14B		=FDAN(=FUDA KLB90f122:9)
TFEN	Tabellaria fenestrata(Lyngbye)Kützing	1844 KLB91p106f105:1-4 107:8		
TFLO	Tabellaria flocculosa(Roth)Kützing	1844 KLB91p108f106:1-13 107:7 11-12		LB88 NH46:413-431

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TVEN	Tabellaria ventricosa Kutzing	1844HLB88NH46p418f6.7.9-11 KLB91p109f107:1-6		
THLA	Thalassiosira lacustris (Grunow) Hasle in Hasle & Fryxell	1977 NH54		(=TBRA ss Hak81 =COLA)1989 Phycol.28p.121
TPSN	Thalassiosira pseudonana Hasle et Heimdal	1970KLB91p80f60:6ab Reich.84.Kiss84.Belch.86		(=Cyclotella nana Hust.57)
TASP	Thalassiosira species	Rhin Meuse (affine CINV)		
TWEI	Thalassiosira weissflogii(Grunow) Fryxell & Hasle	1977KLB91p79 f.77:3-4		(=TFLU)