

Annexed 1. *Actinocyclus normanii* global distribution. Species name as it appears in the literature. It is indicated if the sample was collected in water column or in sediment.

	Name	Author	Year	Country	Place	Sample type
1	<i>Actinocyclus normanii</i> f. <i>subsalsa</i>	Bradbury and Krebs	1995	EEUU	Michigan:Saginaw Bay,	Sediment
2	<i>A. normanii</i> f. <i>subsalsa</i>	Kipp	2010	EEUU	Ontario, Michigan, Erie, Huron and Superior lakes	Water
3	<i>A. normanii</i> f. <i>subsalsa</i>	Hasle	1977	EEUU	Lake Erie	Water
4	<i>A. normanii</i>	Florin	1970	EEUU	Minnesota: Kirchner swamp	Sediment
5	<i>A. normanii</i>	Marshall et al.	2006	EEUU	Chesapeake Bay	Water
6	<i>A. normanii</i>	Morales	2002	EEUU	Caloosahatchee River at Alva; Peace River at Arcadia; La Florida Hillsboro Canal	Water
7	<i>Coscinodiscus excentricus</i> var. <i>fasciculatus</i>	Saunders and Glenn	1969	EEUU	East Mexican Gulf	Water
8	<i>A. normanii</i>	Soler et al.	2003	Panamá	Panama Gulf	Water
9	<i>A. normanii</i>	Navarro and Hernández-Becerril	1997		Caribbean Sea	Review
10	<i>Coscinodiscus normani</i>	Hagelstein	1938		Virgin Islands	Water
11	<i>A. normanii</i>	Avila	1971	Colombia	CGSM	Water
12	<i>A. normanii</i>	Avila	1972	Colombia	CGSM	Water
13	<i>Coscinodiscus</i> sp.	Carmona	1979	Colombia	CGSM	Water
14	<i>A. normanii</i>	Kucklick	1987	Colombia	CGSM	Water
15	<i>A. normanii</i>	Vidal	1995	Colombia	CGSM	Water
16	<i>A. normanii</i>	Vidal	1997	Colombia	CGSM	Water
17	<i>A. normanii</i>	Sánchez et al.	2003	Colombia	CGSM	Water
18	<i>A. normanii</i>	Lozano-Duque et al.	2010	Colombia	CGSM	Water
19	<i>A. normanii</i>	Vidal	2010	Colombia	CGSM	Water
20	<i>A. normanii</i>	Velez et al.	2010	Colombia	CGSM	Sediment
21	<i>A. normanii</i>	Montoya-Moreno et al.	2013	Colombia	CGSM	Water
22	<i>A. normanii</i>	Ruiz	1999	Colombia	Ciénaga de Pajarales	Water
23	<i>A. normanii</i> f. <i>subsalsa</i>	Hasle	1977	Colombia	Magdalena River	Water
24	<i>Actinocyclus</i> sp.	Tobón,	1989	Colombia	Cartagena: Ciénaga de Tesca	Water
25	<i>A. normanii</i> var. <i>normanii</i>	Cardozo et al.	2014	Colombia	Lago de Tota	Sediment
26	<i>A. oceanicus</i>	Hustedt	1956	Venezuela	Lago de Maracaibo	Water
27	<i>Coscinodiscus excentricus</i> var. <i>fasciculatus</i>	Varela and Varela	1983	Venezuela	Bajo Orinoco and Delta Amacuro	Water
28	<i>A. normanii</i>	Santos-Fischer et al.	2016	Brazil	Patos Lagoon	Sediment
29	<i>A. normanii</i> var. <i>subsalsa</i>	Ludwig et al.	2004	Brazil	Nicola and Mirin Lagoons	Water
30	<i>A. normanii</i>	Procopiak et al.	2006	Brazil	Paranaguá estuarine complex	Water
31	<i>Coscinodiscus curvatulus</i> f. <i>normanni</i>	De Melo-Magalhaes et al.	2004	Brazil	Mundaú/Manguaba, Alagoas lagoon estuarine complex	Water
32	<i>A. normanii</i>	Ribeiro et al.	2008	Brazil	Praia de Itupanema	Sediment
33	<i>A. normanii</i> , <i>A. normanii</i> f. <i>subsalsa</i>	Hermany et al.	2013	Brazil	Sistema Pinguela-Palmital-Malvas	Sediment
34	<i>A. normanii</i>	García-Rodríguez et al.	2011	Uruguay	Río de la Plata Estuary. Montevideo Bay	Sediment
35	<i>A. normanii</i>	Gómez and Licursi	2003	Argentina	Río de la Plata	Water

36	<i>A. normanii</i> f. <i>subsalsa</i>	Gómez	1991	Argentina	Rio III reservoir	Water
37	<i>A. normanii</i> f. <i>subsalsa</i>	Licursi and Gómez	2003	Argentina	Pampean Plain, Buenos Aires Province rivers and streams	Water
38	<i>A. normanii</i> f. <i>subsalsa</i>	Unrein and Tell	1994	Argentina	Lower Paraná River	Water
39	<i>A. normanii</i>	Zalocar de Domitrovic et al.	2007	Argentina	Superior Paraná River	Water
40	<i>A. normanii</i>	Devercelli and O'Farrell	2013	Argentina	Salado River, El Vado Stream and Bedetti Lake	Water
41	<i>A. normanii</i> f. <i>subsalsa</i>	Gómez	1984	Argentina	Cordoba province mediterranean waters Argentina	Sediment
42	<i>A. normanii</i>	Witon et al.	2006	Faeroe Islands	Faeroe Islands	Sediment
43	<i>A. normanii</i> f. <i>subsalsa</i>	Liukkonen et al.	1997	Finland	Vesijärvi Lake	Sediment
44	<i>Coscinodiscus normani</i>	Hendey	1964	England	British coastal waters	Water
45	<i>A. normanii</i> f. <i>subsalsa</i>	Clarke	1992	England	Norfolk Broads	Water
46	<i>A. normanii</i>	Belcher and Swale	1979	England	Near London. Queen Mary Reservoir, Grafham Water, Hanningfield Reservoir; Thames: Teddington, London Bridge, Richmond, Crossness, Gravesend, Southend.	Water
47	<i>Coscinodiscus normani</i>	Pankow	1976		Baltic Sea	Water
48	<i>A. normanii</i> f. <i>subsalsa</i>	Witak	2013	Poland	Gdańsk Gulf, Vistula Lagoon	Sediment
49	<i>A. normanii</i> f. <i>subsalsus</i>	Anne et al.	2015	Lithuanian	Curonian Lagoon	Water
50	<i>A. normanii</i>	Van Wichelen	2006	Belgic	Scheldt estuary	Water
51	<i>A. normanii</i>	Mialet et al.	2011	Belgic	Scheldt estuary	Water
52	<i>A. normanii</i> f. <i>subsalsa</i>	Sinkeldam	1983	Holand	Van de Maarsseveense Plassen	Water
53	<i>A. normanii</i>	Ector et al.	2015	France	Rivières de la Loire et de la Bretagne	Water
54	<i>A. normanii</i> f. <i>subsalsa</i>	Hasle	1977	Germany	Wümme near Bremen	Water
55	<i>A. normanii</i>	Schuchardt and Schirmer	1991	Germany	Elbe and Weser estuaries	Water
56	<i>A. normanii</i>	Rehbehn et al.	1993	Germany	Eider, Elbe, Weser and Ems estuaries	Water
57	<i>A. normanii</i> f. <i>subsalsus</i>	Heynig	1992	Germany	Parks Branitz bei Cott bus (Deutschland, Niederlausitz).	Water
58	<i>A. normanii</i>	Hašler et al.	2007	Czech Republic	Dyje River	Water
59	<i>A. normanii</i>	Kiss et al.	2012	Hungary	Large rivers and tributaries in Hungary	Water
60	<i>A. normanii</i>	Vidaković et al.	2016	Serbia	Tisza River, VelikiBački Canal, Danube–Tisza–Danube Canal (Kajtasovo), Ponjavica River (Brestovac)	Water and sediment
61	<i>A. normanii</i>	Genkal et al.	2009	Black Sea	Black Sea Danube Region	Sediment
62	<i>A. normanii</i> f. <i>subsalsa</i>	Rebekah	2010	Germany, Norway, Baltic Sea, Caspian Sea	Germany, Norway, Baltic Sea, Caspian Sea coasts.	Water
63	<i>A. normanii</i>	Kiss et al.	1990	Czech Republic, France, Hungary, Germany, Russia	Rivers and reservoirs: Czech Republic, France (Dordogne, Fench and Oise rivers) and Hungary. Germany lakes and Spree, Muggel See Rivers. Volga and Danubio Rivers and Caspian Sea.	Water
64	<i>A. normanii</i> f. <i>subsalsa</i>	Sabater and Muñoz	1990	Spain	Ebro River lower part	Water
65	<i>A. normanii</i>	Perez et al.	2009	Spain	Ebro River estuary	Water
66	<i>A. normanii</i>	Korneva	2003	Russia	Volga River reservoirs	Water
67	<i>A. normanii</i>	Korneva	2014	Russia	Volga River system: Kuybyshev and Saratov reservfoirs; Kama and Chapaevka rivers	Water
68	<i>A. normanii</i>	Afonso-Carrillo	2014		Islas Canarias	Check list
69	<i>A. normanii</i> f. <i>normanii</i>	Van Iperen et al.	1987	Africa	Zaire deep-sea fan (SE Atlantic Ocean)	Sediment
70	<i>A. normanii</i>	García-Rodríguez	2007	South Africa	North End Lake and Korsten Dry Lake	Sediment
71	<i>A. normanii</i> f. <i>subsalsa</i>	Choudhury and Pal	2010	India	Bengala Bay	Water

72	<i>A. normanii</i>	Rashid et al.	2013	Bangladesh	Bangladesh: Turag River, Balu River, Shitalakshya and Buriganga Rivers	Sediment
73	<i>A. normanii</i>	Zong et al.	2013	China	Pearl River delta plain	Water
74	<i>A. normanii</i> f. <i>subsalsa</i>	Medvedeva et al.	2009	Russian Far East	Amur estuary	Water
75	<i>A. normanii</i>	Lee et al.	1994	Korea	Kwangriver	Water
76	<i>A. normanii</i>	Shin	2010	Korea	Gwanyang Bay, Gwangcheon Stream in Uljin, Nakdong River	Water and perifiton
77	<i>A. normanii</i> f. <i>subsalsa</i>	Naya et al.	2007	Japan	Kitaura Lake	Sediment
78	<i>A. normanii</i>	Kitaba et al.	2011	Japan	Osaka Bay	Sediment
79	<i>A. cf. normanii</i>	Tamura et al.	2009	Cambodia	Mekong River Delta	Sediment
80	<i>A. normanii</i>	Jaraula et al.	2014	Philippines	Laguna de Bay	Sediment
81	<i>A. normanii</i>	Taffs et al.	2008	Eastern Australia	Tuckean swamp	Sediment
82	<i>A. normanii</i>	John	1983	Australia	Swan River estuary	Water
83	<i>A. normanii</i>	Fluin et al.	2010	Australia	Lower River Murray, flood plain lakes	sediment
84	<i>A. normanii</i>	Gell et al.	2013	Australia	Sinclair Flat	Sediment
85	<i>Coscinodiscus rothii</i> var. <i>normani</i>	Manguin	1960	Antarctic continent	Terre Adélie	Water