

## Taxonomic Reference List for 19CCT05 Foraminiferal Count Data

*Affinetrina alcidi?* Levy, Mathieu, Poignant, Rosset-Moulinier, 1992, p. 123, pl. 3, figs. 3–4.

*Ammoastuta inepta* (Cushman and McCulloch) = *Ammobaculites ineptus* Cushman and McCulloch, 1939, p. 89, pl. 7, fig. 6.

*Ammobaculites crassus* Warren, 1957, p. 32, pl. 3, figs. 5–7.

*Ammobaculites exiguum* Cushman and Brönnimann, 1948b, p. 38, pl. 7, figs. 7–8.

*Ammodiscus tenuis* (Brady) = *Trochammina tenuis* Brady, 1884, p. 332, pl. 38, figs. 4–6.

*Ammonia advena* (Cushman, 1922) = *Discorbis advena* Cushman, 1922, p. 40.

- Specimens appear to be the same as specimen images found in Loeblich and Tappan, 1988, pl. 608, figs. 1–3, as *Strebloides advenus* (Cushman, 1922), synonymized with *Ammonia advena* based on DNA sequencing.

*Ammonia parkinsoniana* (d'Orbigny) = *Rosalina parkinsoniana* d'Orbigny, 1839, p. 99, pl. 4, figs. 25–27.

*Ammonia tepida* (Cushman) = *Rotalia beccari* (Linnaeus) var. *tepida* Cushman, 1926, p. 79, pl. 1, figs. 8a–c.

*Ammonia* sp. A

- Specimens appear to be the same as specimens imaged and identified as *Ammonia limnetes* (Todd & Brönnimann) in Haynes, 1973, pl. 18, figs. 7–9.

*Ammonia* spp. Genus Brünnich, 1771.

*Ammotium cassum* (Parker) = *Lituola cassum* Parker, in Dawson, 1870, p. 177, pl. 180, fig. 3.

*Ammotium directum* (Cushman and Brönnimann) = *Ammobaculites directum* Cushman and Brönnimann, 1948b, p. 38, pl. 7, figs. 3a, b, 4.

*Ammotium salsum* (Cushman and Brönnimann) = *Ammobaculites salsus* Cushman and Brönnimann, 1948a, p. 16, pl. 3, figs. 7–9.

*Arenoparrella mexicana* (Kornfeld) = *Trochammina inflata* (Montagu) var. *mexicana* Kornfeld, 1931, p. 86, pl. 13, figs. 5a–c.

*Bolivina c.f. B. ordinaria* (Phleger and Parker, 1951) = *Bolivina simplex* Phleger and Parker 1951, p. 14, pl. 7, figs. 4–6.

*Cornuspira* sp. Genus Schultze, 1854.

*Cribroelphidium poeyanum* = *Polystomella poeyana* d'Orbigny, 1839, p. 55, pl. 6, figs. 25–26.

*Elphidium* c.f. *E. bartletti* Cushman, 1933, p. 89, pl. 9, figs. 1–8.

*Elphidium delicatulum* Bermúdez, 1949, p. 168, pl. 11, figs. 22–23.

*Elphidium excavatum* (Terquem) = *Polystomella excavatum* Terquem, 1875, p. 20, pl. 2, figs. 2a–b.

*Elphidium gunteri* Cole, 1931, p. 34, pl. 4, figs. 9–10.

*Elphidium mexicanum* (Kornfeld) = *Elphidium incertum* (Williamson) var. *mexicanum* Kornfeld, 1931, p. 89, pl. 16, figs. 1–2.

*Elphidium* c.f. *E. subspecies williamsoni* Haynes, 1973, p. 207–209, pl. 24, fig. 7; pl. 25, figs. 5–6; pl. 27, figs. 1–3.

*Elphidium* spp. Genus Montfort, 1808.

*Entzia macrescens* (Brady) = *Trochammina inflata* (Montagu) var. *macrescens* Brady in Brady and Robertson, 1870, p. 290, pl. 11, figs. 5a–c.

*Epistominella?* sp. Genus Husezima & Maruhasi, 1944, p. 391–400, pl. 34.

*Eponides?* sp. Genus Montfort, 1808.

*Glomospira?* sp. Genus Rzehak, 1885.

*Haplophragmoides bonplandi* Todd and Brönnimann, 1957, p. 23, pl. 2, fig. 2.

*Haplophragmoides manilaensis* Andersen, 1953, p. 22, pl. 4, figs. 8a–b.

*Haplophragmoides wilberti* Andersen, 1953, p. 21, pl. 4, fig. 7.

*Haynesina germanica* (Ehrenberg) = *Nonionella germanica* Ehrenberg, 1840, pl. 23, Ehrenberg, 1841, pl. 2, figs. 1a–g.

*Haynesina orbicularis* (Brady) = *Nonionina orbiculare* Brady, 1881, pl. 2, fig. 7.

*Helenina anderseni* (Warren) = *Pseudoeponides anderseni* Warren, 1957, p. 39, pl. 4, figs. 12–15.

*Ioanella?* sp. Saidova, 1975, p. 242.

*Lagenammina* sp. Genus Rhumbler, 1911.

*Lobatula lobatula* (Walker and Jacob) = *Nautilus lobatus* Walker and Jacob, 1798, p. 642, pl. 14, fig. 36.

*Miliammina fusca* (Brady) = *Quinqueloculina fusca* Brady in Brady and Robertson, 1870, p. 47, pl. 11, figs. 2–3.

*Miliammina obliqua* Heron-Allen & Earland, 1930, p. 42, pl. 1, figs. 7, 12.

*Miliammina petila* Saunders, 1958, p. 87, pl. 1, figs 10–11.

*Nonion* sp. Genus Montfort, 1808.

*Paratrochammina simplissima* (Cushman and McCulloch) = *Trochammina pacifica* var. *simplex* Cushman and McCulloch, 1939, p. 104, pl. 11, figs. 4a–c.

*Pseudothurammina limnetis* (Scott and Medioli) = *Thurammina limnetis* Scott and Medioli, 1980, p. 37, pl. 1, figs 1–3.

*Pseudotriloculina* sp. Genus (Cherif, 1970) = *Triloculina* Cherif, 1970.

*Quinqueloculina jugosa* (Cushman) = *Quinqueloculina seminula* (Linnaeus) var. *jugosa* Cushman, 1944, p. 13, pl. 2, fig. 15.

*Quinqueloculina seminulum* (Linnaeus) = *Serpula seminula* Linnaeus, 1758, p. 786, pl. 2, figs. 1a–c.

*Quinqueloculina* spp. Genus d'Orbigny, 1826.

*Reophax* c.f. *R. nana* Rhumbler, 1911, p. 182, pl. 8, figs. 6–12.

*Rhabdammina* sp. Genus Carpenter, 1869.

*Rosalina floridana* (Cushman, 1922) = *Discorbis floridana* Cushman, 1922, p. 39, pl. 5, figs. 11–12.

*Rotorbinella rosea* (d'Orbigny in Guérin-Méneville, 1832) = *Rotalia rosea* d'Orbigny in Guérin-Méneville, 1832, pl. 2, figs. 13a–b.

*Siphotrochammina lobata* Saunders, 1957, p. 9–10, pl. 3, figs. 1–2.

*Textularia earlandi* Parker, 1952, p. 458.

*Tiphotrecha comprimata* (Cushman and Brönnimann) = *Trochammina comprimata*  
Cushman and Brönnimann, 1948a, p. 41, pl. 8, figs. 1–3.

- Specimen counts of *Tiphotrecha comprimata* in this study are analogous to *Tiphotrecha comprimata* counts lumped with *Trochammina* sp. A in Haller et al. (2018a, 2018b, 2019), due to the belief of the author that specimens identified as *Trochammina* sp. A are juvenile forms of *Tiphotrecha comprimata*.

*Triloculina oblonga* (Montagu) = *Vermiculum oblongum* Montagu, 1803, p. 522, pl. 14,  
fig. 9.

*Trochammina inflata* (Montagu) = *Nautilus inflatus* Montagu, 1808, p. 81, pl. 18, fig. 3.

*Trochammina?* spp. Genus Parker and Jones, 1859, p. 347.

## References Cited in Taxonomic Reference List

- Andersen, H. V., 1953, Two new species of *Haplophragmoides* from the Louisiana coast: Contributions from the Cushman Foundation for Foraminiferal Research, v. 4, p. 20–22.
- Bermúdez, P. J., 1949, Tertiary smaller foraminifera of the Dominican Republic: *Cushman laboratory for foraminiferal research special publication*, v. 25, p. 1–322., available online at [https://hdl.handle.net/2027/uc1.\\$b61339](https://hdl.handle.net/2027/uc1.$b61339).
- Brady, H. B., 1881, On some Arctic foraminifera from soundings obtained on the Austro-Hungarian North Polar Expedition of 1872–1874, Annals and Magazine of Natural History, ser. 5, v. 8, p. 393–418.
- Brady, H. B., 1884, Report on the foraminifera dredged by H. M. S. Challenger, during the years 1873–1876, in Report on the Scientific results of the Voyage of H. M. S. Challenger during the years 1873–1876: Zoology, v. 9, 814 p.
- Brady, H. B., and Robertson, D., 1870, The ostracoda and foraminifera of tidal rivers with an analysis and description of the Foraminifera: Annals and Magazine of Natural History, v. 6, p. 273–309.
- Brünnich, M. T., 1771, *Zoologiae fundamenta: Hafniae et Lipsiae*, 254 p.
- Carpenter, W.B., 1869, On the Rhizopodal Fauna of the Deep Sea: *Proceedings of the Royal Society of London*, v. 18, p. 59–62., available online at <https://doi.org/10.1098/rspl.1869.0019>.
- Cherif, O.H., 1970, Die Miliolacea der Westküste von Naxos (Griechenland) und ihre Lebensbereiche: Dissertation Facultät Natur- und Geisteswissenschaften Technischen Universität Clausthal, 176 p.
- Cole, W. S., 1931, The Pliocene and Pleistocene foraminifera of Florida: Florida State Geological Survey Bulletin, v. 6, 79 p.
- Cushman, J. A., 1910, A monograph on the foraminifera of the North Pacific Ocean, Part I- Astrorhizidae and Lituolidae: Bulletin of the United States National Museum, v. 71(1), p. 1–134.
- Cushman, J. A., 1922, Shallow-water Foraminifera of the Tortugas region: Publications of the Carnegie Institution of Washington 311, *Department of Marine Biology of the Carnegie Institution of Washington*, v. 17, p. 1–85.
- Cushman, J. A., 1926, Recent foraminifera from Porto Rico: Publications of the Carnegie Institution of Washington, v. 342, p. 73–84.

Cushman, J. A., 1933, New Arctic Foraminifera collected by Capt. R. A. Bartlett from Fox Basin and off the northeast coast of Greenland: *Smithsonian Miscellaneous Collections*, v. 89 no. 9, p. 1–8., available online at <https://repository.si.edu/handle/10088/23930>.

Cushman, J. A., 1944, Foraminifera from the shallow water of the New England coast: *Special Publication No. 12, Cushman Laboratory for Foraminiferal Research*, p. 1–37.

Cushman, J. A., and Brönnimann, P., 1948a, Some new genera and species of foraminifera from brackish water of Trinidad: Contributions from the Cushman Laboratory of Foraminiferal Research, v. 24, p. 15–21.

Cushman, J. A., and Brönnimann, P., 1948b, Additional new species of arenaceous foraminifera from the shallow waters of Trinidad: Contributions from the Cushman Laboratory of Foraminiferal Research, v. 24, pt. 2, p. 37–42.

Cushman, J. A., and McCulloch, I., 1939, A report of some arenaceous foraminifera: Alan Hancock Foundation Pacific Expeditions, v. 6, 114 p.

Dawson, G. M., 1870, On foraminifera from the Gulf and River St. Lawrence: Canadian Naturalist and Quarterly Journal of Science, v. 5, p. 172–177.

Ehrenberg, C. G., 1840, Eine weitere Erläuterung des Organismus mehrerer in Berlin lebend beobachteter Polythalamien der Nordsee: Bericht über die zur Bekanntmachung geeigneten Verhandlungen der Königlichen Preussischen Akademie der Wissenschaften zu Berlin, p. 18–23.

Guérin-Méneville, F.E., 1829–1844, *Iconographie du Règne Animal de G. Cuvier, ou représentation d'après nature de l'une des espèces les plus remarquables, et souvent non encore figurées, de chaque genre d'animaux, avec un texte descriptif mis au courant de la science, Ouvrage pouvant servir d'atlas à tous les traités de zoologie*, Tome 2, Planches des animaux invertébrés: J.B. Baillière, Paris and London., available online at <https://www.biodiversitylibrary.org/page/27813845>.

Haynes, J. R., 1973, Cardigan Bay Recent Foraminifera (Cruises of the R. V. Antur, 1962–1964): *Bulletin of the British Museum (Natural History), Zoology*, Supplement 4, pp. 1–245., available online at <https://biodiversitylibrary.org/page/44726681>.

Heron-Allen, E. and Earland, A., 1930, Some new foraminifera from the South Atlantic, Part III, *Journal of Royal Microscopical Society*, v. 50, p. 38–45.

Husezima, R., Maruhasi, M., 1944, A new genus and thirteen new species of foraminifera from the core-sample of Kashiwazaki oil-field, Niigata-ken: *Shigenkagaku Kenkyusyo, Journal*. v. 1, no. 3, p. 391–400, pl. 34.

- Kornfeld, M. M., 1931, Recent littoral foraminifera from Texas and Louisiana: Contributions from the Department of Geology of Stanford University, v. 1, p. 77–101.
- Linnaeus, C., 1758, *Systema Naturae per regna tria naturae, secundum classes, ordines genera, species, cum characteribus, differentiis, synonymis, locis: Laurentius Salvius: Holmiae, 10th revised edition, v. 1, 824 pp.*, available online at <https://ia600503.us.archive.org/8/items/mobot31753000798865/mobot31753000798865.pdf>.
- Lévy, A., Mathieu, R., Poignant, A., Rosset-Moulinier, M., 1992, The Miliolacea with *Quinqueloculina* and *Triloculina* morphology from the Mediterranean. *in* Takayanagi, Y. and Saito, T. (Eds.), *Studies in Benthic Foraminifera*: Tokai University Press.
- Montagu, G., 1803, *Testacea Britannica*, Natural History of British Shells Marine, Land and Fresh Water, Including the Most Minute: Systematically Arranged and Embellished with Figures, Romsey, England, Hollis.
- Montagu, G., 1808, *Testacea Britannica*, supplement: Exeter, England, S. Woolmer, 183 p.
- Montfort, de P., 1808, *Conchyliologie systématique et classification méthodique des coquilles*, Paris: Schoell, v. 1, 676 p.
- d'Orbigny, A. D., 1826, Tableau méthodique de la classe des Céphalopodes: *Annales des Sciences Naturelles*, v. 7, p. 96–169 and p. 245—314., available online at <http://biodiversitylibrary.org/page/5753959>.
- d'Orbigny, A. D., 1839, Foraminifères, Part 2 of natural history in de la Sagra, R., *Histoire physique, politique et naturelle de l'île de Cuba*: Arthus Bertrand, Paris, 224 p.
- Parker, F. L., 1952, Foraminiferal distribution in the Long Island Sound-Buzzards Bay area: *Bulletin of the Harvard Museum of Comparative Zoology*, v. 106, p. 425–473.
- Parker, W. K., and Jones, T. R., 1859, On the nomenclature of the Foraminifera, II—On the species enumerated by Walker and Montagu *in* Selby, J.P., Babington, C.C., Gray, J.E., Henfrey, A., and Francis, W. (eds.), 1859, *The Annals and Magazine of Natural History*, v. 4, series, 3: Taylor and Francis, London, p. 333–351.
- Phleger, F. B., and Parker, F. L., 1951, Ecology of Foraminifera, Northwest Gulf of Mexico: *The Geological Society of America, Memoir* 46, p. 1–88.

- Rhumbler, L., 1911, Die Foraminiferen (Talamophoren) der Plankton-Expedition.  
Zugleich Entwurf eines natürlichen Systems der Foraminiferen auf Grund  
selektionistischer und mechanisch-physiologischer Faktoren: *Ergebnisse der  
Plankton-Expedition der Humboldt Stiftung*, v. 3, p. 1–331.
- Rzehak, A., 1885, Bemerkungen über einige Foraminiferen der Oligocän Formation.  
Verhandlungen des Naturforschenden Vereins in Brünn (1884), v. 23, no. 1, p.  
123–129.
- Saidova, K.M., 1975, Tikhogo Okeana-Benthonic Foraminifera of the Pacific Ocean:  
Shirshov Institute of Oceanology, Academy of Sciences of the USSR, Moscow
- Saunders, J. B., 1957, Trochamminidae and certain Lituolidae (Foraminifera) from the  
recent brackish-water sediments of Trinidad, British West Indies: Smithsonian  
Miscellaneous Collection, v. 134, p. 1–16.
- Saunders, J. B., 1958, Recent Foraminifera of Mangrove Swamps and River Estuaries  
and Their Fossil Counterparts in Trinidad: *Micropaleontology*, v. 4, no. 1, p. 79–  
92.
- Schultze, M. S., 1854, Über den Organismus der Polythalamien (Foraminiferen) nebst  
Bemerkungen über die Rhizopoden im Allgemeinen: Leipzig Wilhelm  
Englemann, 68 p.
- Scott, D. B., and Medioli, F. S., 1980, Quantitative Studies of Marsh Foraminiferal  
Distributions in Nova Scotia: Implications for Sea Level Studies: Cushman  
Foundation for Foraminiferal Research Special Publication, v. 17, p. 58.
- Terquem, M. O., 1875, Essai sur le classement des animaux qui vivent sur la plage et  
dans les environs de Dunkerque: Paris, p. 153.
- Todd, R., and Brönnimann, P., 1957, Recent foraminifera and the camoebina from the  
eastern Gulf of Paria: Cushman Foundation for Foraminiferal Research, Special  
Publication 3, p. 43.
- Warren, A. D., 1957, Foraminifera of the Buras-Scofield Bayou region, southeast  
Louisiana: Contributions from the Cushman Foundation for Foraminiferal  
Research, v. 8, p. 29–40.

### **Additional References Utilized for Identifications**

- Brönnimann, P., 1979, Recent benthonic foraminifera from Brasil Morphology and ecology Part IV: Trochamminids from the Campos shelf with description of *Paratrocchammina* n. gen.: Palaontologische Zeitschrift, v. 53, no. 1–2, p. 5–25.
- Buzas, M.A., Culver, S.J., and Isham, L.B., 1985, A comparison of fourteen Elphidiid (Foraminiferida) Taxa: Journal of Paleontology, v. 59, p. 1075–1090.
- Edwards, R., and Wright, A., 2015, Chapter 13— Foraminifera, in Shennan, I., et al. (eds.), Handbook of Sea-Level Research: John Wiley & Sons, Ltd, Chichester, p. 191–217.
- Haller, C., Smith, C.G., Hallock, P., Hine, A.C., Osterman, L.E., McCloskey, T., 2019, Distribution of modern salt-marsh foraminifera from the eastern Mississippi Sound, U.S.A.: Journal of Foraminiferal Research, v. 49, p. 29–47.
- Loeblich, A.R., and Tappan, H., 1988, Foraminiferal genera and their classification: Van Nostrand Reinhold Company, New York, NY.
- Rabien, K.A., Culver, S.J., Buzas, M.A., Corbett, D.R., Walsh, J.P., and Tichenor, H.R., 2015, The foraminiferal signature of recent Gulf of Mexico hurricanes: Journal of Foraminiferal Research, v. 45, p. 82–105.
- World Register of Marine Species (WoRMS): Flanders Marine Institute, available at <http://www.marinespecies.org/>.