

FAMILY *Halosauridae* Günther, 1868 - **halosaurs**

[=*Halosauropsinae* McDowall, 1973]

Notes: *Halosauridae* Günther, 1868:482 [ref. 1990] (family) *Halosaurus*

Halosauropsinae McDowall, 1973:51 [ref. 24539] (subfamily) *Halosauropsis*

GENUS *Aldrovandia* Goode & Bean, 1896 - **halosaurs**

[=*Aldrovandia* Goode [G. B.] & Bean [T. H.], 1896:129, 132]

Notes: [ref. 1848]. Fem. *Halosaurus rostratus* Günther, 1878. Type by original designation.

•Valid as *Aldrovandia* Goode & Bean, 1896 -- (McDowell 1973:87 [ref. 24539], Harrisson 1973:255 [ref. 7189], Uyeno in Masuda et al. 1984:32 [ref. 6441], Sulak in Whitehead et al. 1986:593 [ref. 13676], Sulak 1986:196 [ref. 5720], Paxton et al. 1989:147 [ref. 12442], Smith 1999:1626 [ref. 24661], Smith 2003:686 [ref. 26989], Paxton et al. 2006:229 [ref. 28995], Shelyagin 2010:512 [ref. 31017], Zhang et al. 2010:379 [ref. 31511]).

Current status: Valid as *Aldrovandia* Goode & Bean, 1896. *Halosauridae*.

Species *Aldrovandia affinis* (Günther, 1877) - **Gilbert's halosaur**

[=*Halosaurus affinis* Günther [A.], 1877:444, *Halosaurus anguilliformis* Alcock [A. W.], 1889:453 [29],

Halosaurus hoskynii Alcock [A. W.], 1890:309,

Aldrovandia pallida Goode [G. B.] & Bean [T. H.], 1896:130, 135, Fig. 158,

Halosauropsis proboscidea Gilbert [C. H.], 1905:612, Pl. 76]

Notes: [Annals and Magazine of Natural History (Series 4) v. 20 (no. 119) (art. 56); ref. 2009] South of Japan, 34°N, 138°E, Challenger station 235, depth 565 fathoms.

Current status: Valid as *Aldrovandia affinis* (Günther, 1877). *Halosauridae*.

Distribution: Circumglobal in tropical and temperate seas, including Hawaiian Islands.

Habitat: marine.

(*anguilliformis*) [Annals and Magazine of Natural History (Series 6) v. 4 (no. 24); ref. 20525] Off Colombo, Sri Lanka, Gulf of Manaar, 6°32'N, 79°37'E, Investigator station 2, depth 675 fathoms.

Current status: Synonym of *Aldrovandia affinis* (Günther, 1877). *Halosauridae*. Habitat: marine.

(*hoskynii*) [Annals and Magazine of Natural History (Series 6) v. 6 (no. 34); ref. 83] Off Elicapeni Bank, Laccadive Sea, 11°12'47"N, 74°25'30"E, Investigator station 104, depth 1000 fathoms.

Current status: Synonym of *Aldrovandia affinis* (Günther, 1877). *Halosauridae*. Habitat: marine.

(*pallida*) [Special Bulletin U. S. National Museum No. 2; ref. 1848] Gulf of Mexico, 24°36'N, 84°05'W, depth 955 fathoms.

Current status: Synonym of *Aldrovandia affinis* (Günther, 1877). *Halosauridae*. Habitat: marine.

(*proboscidea*) [Bulletin of the U. S. Fish Commission v. 23 (pt 2) [for 1903]; ref. 1631] Kaiwi Channel, between Molokai and Oahu islands, Hawaiian Islands, Albatross station 4111, depth 460-470 fathoms.

Current status: Synonym of *Aldrovandia affinis* (Günther, 1877). *Halosauridae*. Habitat: marine.

Species *Aldrovandia gracilis* Goode & Bean, 1896 - **gracile halosaur** (author)

[=*Aldrovandia gracilis* Goode [G. B.] & Bean [T. H.], 1896:134, Pl. 42 (fig. 157)]

Notes: [Special Bulletin U. S. National Museum No. 2; ref. 1848] 28°02'30"N, 87°43'45"W, Albatross station 2380, depth 1430 fathoms.

Current status: **Valid** as *Aldrovandia gracilis* Goode & Bean, 1896. *Halosauridae*.

Distribution: Caribbean and Gulf of Mexico.

Habitat: marine

Species *Aldrovandia mediorostris* (Günther, 1887) - **Challenger halosaur** (author)

[=*Halosaurus mediorostris* Günther [A.], 1887:239, Pl. 59 (fig. C)]

Notes: [Report on the Scientific Results of the Voyage of H. M. S. Challenger v. 22 (pt 57); ref. 2013] West of Philippines, Challenger station 207, depth 700 fathoms.

Current status: **Valid** as *Aldrovandia mediorostris* (Günther, 1887). *Halosauridae*.

Distribution: West of Philippines.

Habitat: marine.

Species *Aldrovandia oleosa* Sulak, 1977 - **Bahamas halosaur** (author)

[=*Aldrovandia oleosa* Sulak [K. J.], 1977:12, Figs. 1, 2 left, 3 upper, 4 (A-C)]

Notes: [Copeia 1977 (no. 1); ref. 19372] Tongue-of-the-Ocean, Bahamas, 23°38.5'-23°40.3'N, 76°47.75'-76°45.1'W, depth 1324-1307 meters.

Current status: **Valid** as *Aldrovandia oleosa* Sulak, 1977. *Halosauridae*.

Distribution: Atlantic and eastern Pacific (and possibly Indo-Pacific).

Habitat: marine.

Species *Aldrovandia phalacra* (Vaillant, 1888) - **Hawaiian halosaur**

[=*Halosaurus phalacrus* Vaillant [L. L.], 1888:185, Pl. 15 (fig. 3), 16 (figs. 1-1c),

Halosauropsis kauaiensis Gilbert [C. H.], 1905:611, Pl. 74, *Halosaurichthys nigerrimus* Alcock [A. W.], 1898:149,

Halosauropsis verticalis Gilbert [C. H.], 1905:611, Pl. 75

Notes: [Expéditions scientifiques du "Travailleur" et du "Talisman"; ref. 4496] Morocco [eastern Atlantic], 1103-2190 meters; Sudan [Red Sea], 1250-1435 m; Azores [northeastern Atlantic], 37°35'N, 29°26'W, depth 1442-2220 meters.

Current status: **Valid** as *Aldrovandia phalacra* (Vaillant, 1888). *Halosauridae*.

Distribution: Circumglobal in warm to temperate seas, including Red Sea, Hawaiian Islands.

Habitat: marine.

(*kauaiensis*) [Bulletin of the U. S. Fish Commission v. 23 (pt 2) [for 1903]; ref. 1631] Vicinity of Kauai Island, Hawaiian Islands, Albatross station 4018, depth 724-804 fathoms.

Current status: Synonym of *Aldrovandia phalacra* (Vaillant, 1888). *Halosauridae*. Habitat: marine.

(*nigerrimus*) [Annals and Magazine of Natural History (Series 7) v. 2 (no. 8); ref. 92] Arabian Sea, off Maldives, 6°56'56"N, 72°53'30"E, Investigator station 217, depth 459 fathoms.

Current status: Synonym of *Aldrovandia phalacra* (Vaillant, 1888). *Halosauridae*. Habitat: marine.

(*verticalis*) [Bulletin of the U. S. Fish Commission v. 23 (pt 2) [for 1903]; ref. 1631] Near Kauai Island, Hawaiian Islands, Albatross station 4141, depth 437-632 fathoms.

Current status: Synonym of *Aldrovandia phalacra* (Vaillant, 1888). *Halosauridae*. Habitat: marine.

Species *Aldrovandia rostrata* (Günther, 1878) - **rostrate halosaur** (author)

[=*Halosaurus rostratus* Günther [A.], 1878:252? [24]]

Notes: [Annals and Magazine of Natural History (Series 5) v. 2 (nos 7/8/9); ref. 2010] Mid-Atlantic, 35°29'N, 50°53'W, Challenger station 63, depth 2750 fathoms.

Current status: Valid as *Aldrovandia rostrata* (Günther, 1878). *Halosauridae*.

Distribution: Atlantic.

Habitat: marine.

GENUS *Halosauropsis* Collett, 1896 - **halosaurs**

[=*Halosauropsis* Collett [R.], 1896:143]

Notes: [ref. 890]. Fem. *Halosaurus macrochir* Günther, 1878. Type by original designation. •Valid as *Halosauropsis* Collett, 1896 – (McDowell 1973:74 [ref. 24539], Harrison 1973:254 [ref. 7189], Sulak 1986:196 [ref. 5720], Sulak in Whitehead et al. 1986:595 [ref. 13676], Machida et al. 1988 [ref. 6623], Paxton et al. 1989:147 [ref. 12442], Gon 1990:98 [ref. 21680], Gomon et al. 1994:216 [ref. 22532], Smith 2003:686 [ref. 26989], Paxton et al. 2006:230 [ref. 28995], Smith 2008:183 [ref. 30621], Shelyagin 2010:512 [ref. 31017]).

Current status: Valid as *Halosauropsis* Collett, 1896. *Halosauridae*.

Species *Halosauropsis macrochir* (Günther, 1878) - **abyssal halosaur**

[=*Halosaurus macrochir* Günther [A.], 1878:251 [23], *Halosaurus goodei* Gill [T. N.], 1883:257,

Halosaurus niger Gilchrist [J. D. F.], 1906:170, Pl. 51]

Notes: [Annals and Magazine of Natural History (Series 5) v. 2 (nos 7/8/9); ref. 2010] Off Strait of Gibraltar, Challenger station 5, depth 1090 fathoms.

Current status: Valid as *Halosauropsis macrochir* (Günther, 1878). *Halosauridae*.

Distribution: Cosmopolitan: Atlantic, southwestern Indian Ocean, southwestern Pacific.

Habitat: marine.

(*goodei*) [Proceedings of the United States National Museum v. 6 (no. 380); ref. 1724] Off east coast of U.S.A., 38°53'00"N, 69°23'30"W, Albatross station 2037, depth 1731 fathoms.

Current status: Synonym of *Halosauropsis macrochir* (Günther, 1878). *Halosauridae*. Habitat: marine.

(*niger*) [Marine Investigations in South Africa. v. 4; ref. 1647] Off Cape Point, South Africa, depth 800-930 fathoms.

Current status: Synonym of *Halosauropsis macrochir* (Günther, 1878). *Halosauridae*. Habitat: marine.

GENUS *Halosaurus* Johnson, 1864 - **halosaurs**

[=*Halosaurus* Johnson [J. Y.], 1864:406, *Halosaurichthys* Alcock [A. W.], 1889:454]

Notes: [ref. 5751]. Masc. *Halosaurus ovenii* Johnson, 1864. Type by monotypy. Also appeared in Johnson 1864:74 [ref. 2358].

•Valid as *Halosaurus* Johnson, 1864 -- (McDowell 1973:51 [ref. 24539], Harrisson 1973:254 [ref. 7189], Sulak 1986:197 [ref. 5720], Sulak in Whitehead et al. 1986:596 [ref. 13676], Paxton et al. 1989:147 [ref. 12442], Gomon et al. 1994:216 [ref. 22532], Smith 1999:1626 [ref. 24661], Smith 2003:686 [ref. 26989], Paxton et al. 2006:230 [ref. 28995], Smith 2008:184 [ref. 30621], Pais et al. 2009:33 [ref. 30210], Shelyagin 2010:512 [ref. 31017], Zhang et al. 2010:378 [ref. 31511]).

Current status: Valid as *Halosaurus* Johnson, 1864. *Halosauridae*.

(*Halosaurichthys*) [ref. 20525]. Masc. *Halosaurichthys carinicauda* Alcock, 1889. Type by monotypy.

•Synonym of *Halosaurus* Johnson, 1863, but a valid subgenus *Halosaurichthys* -- (McDowell 1973:56 [ref. 24539]).

Current status: Synonym of *Halosaurus* Johnson, 1863. *Halosauridae*.

Species *Halosaurus attenuatus* Garman, 1899 - **Galapagos halosaur** (author)

[=*Halosaurus attenuatus* Garman [S.], 1899:296, Pl. 60 (figs. 1-1a)]

Notes: [Memoirs of the Museum of Comparative Zoology v. 24; ref. 1540] Pacific off Galápagos Islands, 2°34'N, 92°06'W, Albatross station 3413, depth 1360 fathoms.

Current status: Valid as *Halosaurus attenuatus* Garman, 1899. *Halosauridae*.

Distribution: Eastern Pacific: Galápagos Islands.

Habitat: marine.

Species *Halosaurus carinicauda* (Alcock, 1889) - **Andaman halosaur** (author)

[=*Halosaurichthys carinicauda* Alcock [A. W.], 1889:454 [30], *Halosaurus parvipennis* Alcock [A. W.], 1892:362]

Notes: [Annals and Magazine of Natural History (Series 6) v. 4 (no. 24); ref. 20525] Andaman Sea, 7.5 miles east of North Cinque Island, Investigator station 10, depth 490 fathoms.

Current status: Valid as *Halosaurus carinicauda* (Alcock, 1889). *Halosauridae*.

Distribution: Indian Ocean.

Habitat: marine.

(*parvipennis*) [Annals and Magazine of Natural History (Series 6) v. 10 (no. 59); ref. 88] Laccadive Sea, 12°05'55"N, 71°35'50"E, Investigator station 122, depth 865-880 fathoms.

Current status: Synonym of *Halosaurus carinicauda* Alcock, 1889. *Halosauridae*. Habitat: marine.

Species *Halosaurus guentheri* Goode & Bean, 1896 - **Guenther's halosaur** (author)

[=*Halosaurus guentheri* Goode [G. B.] & Bean [T. H.], 1896:131]

Notes: [Special Bulletin U. S. National Museum No. 2; ref. 1848] Northwestern Atlantic, 39°13'00"N, 72°01'00"W, Albatross station 2722, depth 594 fathoms.

Current status: **Valid** as *Halosaurus guentheri* Goode & Bean, 1896. *Halosauridae*.

Distribution: Atlantic.

Habitat: marine.

Species *Halosaurus johnsonianus* Vaillant, 1888 - **Sahara halosaur** (author)

[=*Halosaurus johnsonianus* Vaillant [L. L.], 1888:181, Pl. 15 (figs. 2-2d)]

Notes: [Expéditions scientifiques du "Travailleur" et du "Talisman"; ref. 4496] Off western Sahara, 23°50'N, 17°17'W, depth 1139 meters.

Current status: **Valid** as *Halosaurus johnsonianus* Vaillant, 1888. *Halosauridae*.

Distribution: Eastern Atlantic.

Habitat: marine.

Species *Halosaurus ovenii* Johnson, 1864 - **Madeira halosaur** (author)

[=*Halosaurus venii* Johnson [J. Y.], 1864:406, Pl. 26 (fig. 1 [not 2])]

Notes: [Proceedings of the Zoological Society of London 1863 (pt 3); ref. 5751] Madeira, eastern Atlantic.

Current status: **Valid** as *Halosaurus ovenii* Johnson, 1864. *Halosauridae*.

Distribution: Circumglobal (including Mediterranean Sea).

Habitat: marine.

Species *Halosaurus pectoralis* McCulloch, 1926 - **Goanna fish**

[=*Halosaurus pectoralis* McCulloch [A. R.], 1926:171, Pl. 43 (fig. 3)]

Notes: [Biological Results Endeavour v. 5 (pt 4); ref. 2947] Great Australian Bight off Eucla, Western Australia, depth 350-450 fathoms.

Current status: **Valid** as *Halosaurus pectoralis* McCulloch, 1926. *Halosauridae*.

Distribution: Southeastern Indian Ocean and southwestern Pacific.

Habitat: marine.

Species *Halosaurus radiatus* Garman, 1899 - **Albatross halosaur** (author)

[=*Halosaurus radiatus* Garman [S.], 1899:298, Pls. 60 (figs. 2-2a), 84 (3-6)]

Notes: [Memoirs of the Museum of Comparative Zoology v. 24; ref. 1540] 7°09'45"N, 80°50'W, Albatross station 3354; 7°21'N, 79°35'W, station 3394; 7°32'N, 78°36'30"W, station 3396; depth 259-511 fathoms.

Current status: **Valid** as *Halosaurus radiatus* Garman, 1899. *Halosauridae*.

Distribution: Eastern Pacific.

Habitat: marine.

Species *Halosaurus ridgwayi* (Fowler, 1934) - **Ridgeway's halosaur** (author)

[=*Halosauruosis ridgwayi* Fowler [H. W.], 1934:265, Fig. 26]

Notes: [Proceedings of the Academy of Natural Sciences of Philadelphia v. 85 (for 1933); ref. 1416] Between Siquijor and Bohol islands, Philippines, 9°22'30"N, 23°42'40"E, Albatross station 5527, depth 392 fathoms.

Current status: **Valid** as *Halosaurus ridgwayi* (Fowler, 1934). *Halosauridae*.

Distribution: Philippines.

Habitat: marine.

Species *Halosaurus sinensis* Abe, 1874 - **Chinese halosaur** (author)

[=*Halosaurus sinensis* Abe [T.], 1974:2, Pl. 1]

Notes: [Uo (Japanese Society of Ichthyology) No. 22 (pt 1); ref. 15631] South China Seas, 20°25.7'N - 20°25.2'N, 116°10.5'-116°07.3'E, depth 720-695 meters.

Current status: **Valid** as *Halosaurus sinensis* Abe, 1974. *Halosauridae*.

Distribution: Western Pacific: South China Sea.

Habitat: marine