



Key to the *Magelona* of SCAMIT (Ed. 13) and Local Provisional Species

Adapted from Key to West Coast *Magelona* (DJN, 1999); Pasko, 1991 and Hobson & Banse, 1981

Definitions

MGS - Methyl Green Stain

- 1a. Chaetae of parapodia 9 modified, different from those of chaetigers 1-8 2
- 1b. Chaetae of parapodia 9 not modified, similar to those of chaetigers 1-8 6
- 2a. (1a) Modified chaetae with mucronate tips; anterior horns absent 3
- 2b. Modified chaetae with pennoned tips; anterior horns present or absent 4
- 3a. (2a) With lateral pouches between chaetigers 10 & 11; hooded hooks of posterior region tridentate; anterior margin of prostomium rounded *Magelona sacculata*
Hartman, 1961
- 3b. Lateral pouches present only in posterior chaetigers; anterior margin of prostomium truncate, forming a straight line *Magelona riojai*
Jones, 1963
- 4a. (2b) Modified chaetae with pennoned tips asymmetrical; lateral pouches in posterior region; prostomium longer than wide 5
- 4b. Modified chaetae with pennoned tips symmetrical; lateral pouches absent; prostomium wider than long, L:W=0.8:1; no interlamella on chaetigers 10-18 *Magelona hobsonae*
Jones, 1978
- 5a. (4a) Prostomium with rounded margin, L:W=1.2:1; notopodial lateral lamellae of chaetiger 9 enlarged, with abruptly acute tip; interlamellae of chaetiger 10 and following chaetigers reduced; ventrum with "beard" staining pattern *Magelona pitelkai*
Hartman, 1944
- 5b. Prostomium with anterior horns; proximal sides nearly straight, parallel, L:W=1.1:1; notopodial lateral lamellae of chaetiger 9 transversely flattened, tapered; interlamellae absent; ventral MGS starts on posterior half of chaetiger 4, darkest from chaetiger 5 & 6, fading through chaetiger 8 or 9 *Magelona hartmanae*
Jones, 1978
- 6a. (1b) Noto- and neuropodial hooded hooks of posterior region bidentate; prostomium with anterior horns; dorsal and ventral median lobes present after chaetiger 9 7
- 6b. Noto- and neuropodial hooded hooks of posterior region tridentate; prostomium with anterior horns; dorsal and ventral median lobes present after chaetiger 9 8

- 7a. (6a) Noto- and neuropodial hooded hooks in a single series; prostomium broad, wider than long; chaetiger 9 with dorsal median lobe *Magelona longicornis*
Johnson, 1901
- 7b. Noto- and neuropodial hooded hooks in 2 series, facing each other; prostomium narrow, longer than wide; chaetigers 1-9 without dorsal median lobe *Magelona* sp A
SCAMIT, 1993 §
- 8a. (6b) Noto- and neuropodial hooded hooks of posterior region in 2 series, facing each other; parapodia of chaetiger 9 with ventral neuropodial and dorsal lamellae, but without dorsal median lobe; ventrum without MGS on chaetigers 1-3 ----- 9
- 8b. Noto- and neuropodial hooded hooks of posterior region in 2 series, facing each other; parapodia of chaetiger 9 with dorsal and ventral median lobes; MGS dorsally and ventrally from chaetiger 1 thru middle of chaetiger 4 *Magelona* sp SD10
Rowe, 1996 §
- 9a. (8a) Tip of prostomium obviously crenulated; orange tissue present dorsolaterally in abdominal chaetigers; MGS as a ventral patch on the posterior of chaetiger 4 and anterior of chaetiger 5 *Magelona* sp B
Harris & Rowe, 2003 §
- 9b. Tip of prostomium smoothly rounded or faintly crenulated; without orange tissue in abdominal chaetigers; MGS ventrally from chaetigers 5-7 and dorsally on chaetiger 5 *Magelona berkeleyi*
Jones, 1971

Other *Magelona* reported from the region but not by SCAMIT

Magelona californica Hartman, 1944 (southern California)

Magelona cerae Hartman & Reish, 1950 (Oregon, USA)

References

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- 2) **Hartman, O.** 1944. Polychaetous annelids from California, including the descriptions of two new genera and nine new species. *Allan Hancock Pacific Expeditions* 10(2): 239-307.
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- 6) **Hobson, K. D. & Banse, K.** 1981. Sedentariate and archiannelid polychaetes of British Columbia and Washington. *Canadian Bulletin of Fisheries and Aquatic Sciences* 209: 1-144.
- 7) **Johnson, H. P.** 1901. The Polychaeta of the Puget Sound region. *Proceedings of the Boston Society for Natural History* 29(18): 381-437, plates 1-19.
- 8) **Jones, M. L.** 1963. Four new species of *Magelona* (Annelida, Polychaeta) and a redescription of *Magelona longicornis* Johnson. *American Museum Novitates* 2164: 1-31.

- 9) **Jones, M. L.** 1971. *Magelona berkeleyi* n.sp. from Puget Sound (Annelida: Polychaeta), with a further redescription of *Magelona longicornis* Johnson and a consideration of recently described species of *Magelona*. *Journal of the Fisheries Research Board of Canada* 28(10): 1445-1454.
- 10) **Jones, M. L.** 1978. Three new species of *Magelona* (Annelida, Polychaeta) and a redescription of *Magelona pitelkai* Hartman. *Proceedings of the Biological Society of Washington* 91(1): 336-363.
- 11) **WoRMS**

Version History

1.0 Key Created	November, 2021 - BMH
2.0 Removed DRAFT designation	April, 2023 - BMH