



Key to the Family Glyceridae of SCAMIT (Ed. 13) and Local Provisional Species

Modified from MMS Atlas

- 1a. Parapodia biramous; notochaetae simple, neurochaetae compound genus *Glycera* - 2
- 1b. Parapodia uniramous; all chaetae compound; postchaetal lobe rounded, short; prechaetal lobe much longer and slender; proboscis with two types of proboscideal organs: tall & slender and short & spherical *Hemipodia borealis*
Johnson, 1901
- 2a. (1a) Parapodia with 2 prechaetal & 1 postchaetal lobe in anterior chaetigers ----- 3
- 2b. Parapodia with 2 prechaetal & 2 postchaetal lobes in anterior chaetigers ----- 8
- 3a. (2a) Branchiae absent; parapodia with 1 postchaetal lobe thruout ----- 4
- 3b. Branchiae present, digitiform, non-retractile; Parapodia with 1 postchaetal lobe anteriorly, the postchaetal lobe becoming bifid posteriorly *Glycera macrobranchia*
Moore, 1911
- 4a. (3a) Parapodia with 2 prechaetal lobes thruout; Proboscidial organs of 2 or more kinds ----- 5
- 4b. Parapodia with 2 prechaetal lobes anteriorly, becoming a single prechaetal lobe posteriorly; Proboscidial organs of 1 kind: digitiform papillae with 13 - 14 ridges and a terminal pore *Glycera tenuis*
Hartman, 1944
- 5a. (4a) Proboscidial organs of 2 kinds ----- 6
- 5b. Proboscidial organs of 3 kinds: numerous digitiform papillae with a straight, median longitudinal ridge; isolated elongate papillae with 4-5 inconspicuous ridges; few short, globular papillae *Glycera branchiopoda*
Moore, 1911
- 6a. (5a) Proboscidial organs smooth, without ridges; dorsal cirri inserted high on body wall, distant from parapodial base ----- 7
- 6b. Proboscidial organs of 2 kinds: numerous conical papillae with 5 - 20 transverse ridges, isolated oval papillae with 4 - 11 transverse ridges; dorsal cirri inserted low on body wall, proximal to parapodial base; prechaetal lobes slender, rounded *Glycera oxycephala*
Ehlers, 1887
- 7a. (6a) Superior and inferior prechaetal lobes almost of equal size *Glycera nana*
Johnson, 1901
- 7b. Superior prechaetal lobe very small, conical (easily overlooked), inferior prechaetal lobe large, conical *Glycera* sp B
SCAMIT, 2022 §

- 8a. (2b) Branchiae present; dorsal cirri inserted low on body wall, proximal to parapodial base ----- 9
- 8b. Branchiae absent; dorsal cirri inserted high on body wall, distant from parapodial base; prechaetal lobes long and subequal, postchaetal lobes short and rounded; proboscoidal organs of 1 kind: digitiform papillae with a straight, median longitudinal ridge *Glycera tessellata*
Grube, 1863
- 9a. (8a) Branchiae dendritic, retractile; prechaetal lobes short and conical, postchaetal lobes short and conical; proboscoidal organs of 2 kinds: conical papillae with 2 "U-shaped" ridges, isolated oval papillae without ridges *Glycera americana*
Leidy, 1855
- 9b. Branchiae blister-like, non-retractile; prechaetal lobes short and conical, postchaetal lobes short and rounded; proboscoidal organs of 1 kind: numerous conical papillae with 4 - 9 transverse ridges and a straight median longitudinal ridge *Glycera robusta*
Ehlers, 1868

Other Glyceridae reported from the region but not by SCAMIT

- Glycera capitata* Örsted, 1842 (Greenland)
Glycera dibranchiata Ehlers, 1868 (Massachusetts Bay, USA)
Glycera tridactyla Schmarda, 1861 (Atlantic Ocean)
Hemipodia californiensis (Hartman, 1938) (California)

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- 9) **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.
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Version History

1.0	Key Created	November, 2021 - BMH
1.1	Updated authorship of <i>Glycera</i> sp LA1 to Haggin, 2021 §. Added species from region not reported by SCAMIT.	November, 2021 - BMH
2.0	Updated <i>Glycera</i> sp LA1 to <i>Glycera</i> sp B SCAMIT, 2022 §. Added <i>Glycera</i> Character Table. Removed DRAFT designation.	April, 2023 - BMH

Name	Authorship	Proboscidal Papillae Type 1	Proboscidal Papillae Type 2	Proboscidal Papillae Type 3	Anterior Presetal	Anterior Postsetal	Median Presetal	Median Postsetal	Posterior Presetal	Posterior Postsetal	Dorsal Cirri	Branchiae type	Type locality	Depth (m)	Habitat
<i>Glycera americana</i>	Leidy, 1855	Conical w/ 2 U-shaped ridges (Numerous)	Oval to Globular w/out ridges (isolated)		2 - short, conical	2 - short, conical	2	2	2	2	Proximal	Dendritic, Retractable	Rhode Island	Intertidal - 530m	
<i>Glycera branchiopoda</i>	Moore, 1911	Digitiform w/ straight, median longitudinal ridge (Numerous)	Elongate w/ 4-5 inconspicuous ridges (isolated)	short globular (very few)	2 - long, digitiform	1 - rounded	2	1	2	1	Distant	Absent	Monterey Bay, CA & Cabo Colnett, Mexico	440-2800 m	
<i>Glycera macrobranchia</i>	Moore, 1911	W/ Terminal fingernail (Numerous)	Conical (Less numerous)	Oval to Globular w/out ridges (Isolated)	2	1	2	2	2	2	Proximal	Digitiform, Non-Retractable	San Diego Bay, CA	Shallow	
<i>Glycera nana</i>	Johnson, 1901	Digitiform w/ straight, median longitudinal ridge (Numerous)	Oval to Globular w/out ridges (isolated)		2 - digitiform	1 - rounded	2	1	2	1	Distant	Absent	Puget Sound, Washington	123-1020 m	
<i>Glycera oxycephala</i>	Ehlers, 1887	Conical w/ 5-20 ridges w/ straight, median longitudinal ridge (Numerous)	Oval to Globular w/ 4-11 ridges (Isolated)		2 - slender, rounded	1 - rounded	2	1	2 - superior smaller	1	Proximal	Absent	Barbados	Littoral & Slope	Offshore Islands, red or brown sand
<i>Glycera robusta</i>	Ehlers, 1868	Conical w/ 4-9 ridges w/ straight, median longitudinal ridges (Numerous)	Oval to Globular w/ 4-8 ridges (Isolated) (1 Kind Only??)		2 - short, conical	2 - short, rounded	2	2	2	2	Proximal	B blister, Non-Retractable	California	Intertidal - 400 m	gravelly sand
<i>Glycera tenuis</i>	Hartman, 1944	Digitiform w/ 13-14 ridges and terminal pore (Numerous)			2 - tapering	1 - rounded	2	1	1	1	Proximal	Absent	central California	Intertidal - Shelf	
<i>Glycera tessellata</i>	Grube, 1863	Digitiform w/ straight, median longitudinal ridge (Numerous)	Conical w/ median, longitudinal ridge (Isolated) (1 Kind Only?)		2 - long, subequal	2 - short, rounded	2	2	2	2	Distant	Absent	Mediterranean Sea	Sub-littoral 600 m	
<i>Glycera sp B</i>	SCAMIT, 2022 §	Digitiform, smooth (Numerous)	Short, conical - globular, smooth (Isolated)		2 - superior very small	1	2 - superior very small	1	2 - superior very small	1	Distant	Absent	Palos Verdes, CA	Shallow	Sandy, Gravel