



# WA State Department of Ecology Benthic Invertebrate Voucher Sheet

**Species Name** *Glycera robusta* Ehlers, 1868

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## Nomenclature

Phylum	Annelida
Class	Polychaeta
Order	Aciculata
Family	Glyceridae
Authority	Ehlers 1868
Type Locality	
Common Synonyms (S) Previous Names (PN)	

## Species Description

Original Description	Ehlers, E. 1868 [p. 656] A very large species reaching to three quarters of a meter in total length; midbody segments biannulate.  Prostomium small, conical, with 10 biannulate rings of which the basal one constitutes a third of the total length, and 4 relatively large terminal antennae.  Proboscoidal organs all similar, ovoid, erect, with 6-8 U-shaped transverse ridges. Aileron with a thick outer ramus and thinner inner ramus completely fused to the interramal plate.  Parapodia biacicular, with 2 subequal pointed presetal lobes and shorter subequal rounded postsetal lobes. Short, oval dorsal cirri inserted on the body wall just above the parapodia; ventral cirri longer, triangular to rounded, inserted on the ventral margin of the parapodia.  One to three non-retractile blister-like sacs representing branchia present on the margin of the parapodia distal to the dorsal cirri after about segment 20. Ventrally, analogous sacs occur at the base of the
Additional Description	

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	<p>parapodia after about segment 35 in large specimens.</p> <p>Notosetae simple, finely serrated capillaries, and neurosetae composite spinigers with finely serrated blades.</p>
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Specimen(s) Examined						
Use Columns for Multiple Specimen Vial Number(s)						
Specimen Vial Number	1051	865	53	683		
Project	Temporal	Temporal	Temporal	Temporal		
Station	26	47	24R	47		
Collection Date	1993	3-25-1993	4-12-1992	3-25-1993		
Collection Depth	268	20	182	20		
Number of Specimens	1	1	1	1		

Species Habitat						
Habitat Type	<input type="checkbox"/> Intertidal <input checked="" type="checkbox"/> Subtidal <input type="checkbox"/> Abyssal					
Local Geographic Distribution	Sampling Region (n)	Percent of Occurrence	Abundance			
			Minimum	Maximum	Average	
	San Juan Islands (30)					
	E. Strait of Juan de Fuca (30)					
	Admiralty Inlet (30)					
	Strait of Georgia (131)					
	Whidbey Basin (79)	1.3	1	1	1	
	Central Sound (301)					
South Sound (72)						
Hood Canal (51)						
Geographic distribution according to literature						
Salinity (ppt)	20 to 20					
Depth (m)	7.6 to 7.6					
Percent Fines	21 to 21					
Total Organic Carbon (%)	0.57 to 0.57					
Graphical Summaries						

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Specimen Diagnostic Characteristics		
Diagnostic Characteristics	Photo, Illustrations	Photo, Illustration Credit
Small prostomium with 10 biannulate rings		
Median segments biannulate		Marine Sediment Monitoring Team
Parapodia with two pointed presetal lobes		
Parapodia with two low, rounded postsetal lobes		Marine Sediment Monitoring Team

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<p>1-3 globular branchiae on the upper and lower margins of the parapodia</p>	
<p>Proboscis organs all ovoid with 6-8 U-shaped ridges</p>	

## Related Species and Characteristic Differences

Species Name	Diagnostic Characteristics
<i>Glycera americana</i>	Most proboscis papillae conical with 2-3 indistinct transverse ridges; parapodia with two short, conical postsetal lobes; median segments biannulate; parapodia with dendritically branched branchiae

## Comments/ Discussion

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### Literature

- Böggemann, M. 2002. Revision of the Glyceridae Grube, 1850 (Annelida: Polychaeta). Abh. senckenberg. naturforsch. Ges. 555: 1-249. [p. 52]
- Ehlers, E. 1868. Die Borstenwürmer nach systematischen und anatomischen Untersuchungen dargestellt. Wilhelm Engelmann, Leipzig. pp. 269-748. [p. 656]
- Hartman, O. 1950. Goniadidae, Glyceridae, and Nephtyidae. Allan Hancock Pac. Exped. 15: 1-182. [p. 69]
- Hartman, O. 1968. Atlas of the errantiate polychaetous annelids from California. Allan Hancock Foundation, Univ. S. Calif., Los Angeles, CA. 828 pp. [p. 627]

### More Information

More information about Puget Sound benthic invertebrates is available at:  
<http://www.ecy.wa.gov/programs/eap/sediment/>.

This document is available on the Department of Ecology's website at  
<https://fortress.wa.gov/ecy/publications/SummaryPages/1403216.html>.

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