

ASLO Summer Meeting

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Edit/Update Abstract

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AUTOMATED ANNOTATION OF MIDWATER VIDEO TRANSECTS: TAKING A LOOK AT THE DISTRIBUTION OF POEOBIUS MESERES IN MONTEREY BAY DURING AND AFTER AN EL NINO

Poeobius meseres is a relatively inconspicuous terebellid polychaete, common to the mesopelagic waters of Monterey Bay and much of the eastern North Pacific. Due to their relatively small size and nondescript appearance, these worms are easy to overlook in taped video transects and are easily confused with detritus. Yet, because they are sometimes present in relatively high numbers ($> 3/m^3$) and because they are capable of feeding on very small particulates, they are likely to be ecologically important. Selected dives from a long-term, quantitative video transect series have been annotated for P. meseres. Here we describe depth distribution and abundance of these polychaetes during upwelling and post-upwelling seasons of the 1997 El Nino, 1998 and 1999 using the MBARI machine vision automated detection and classification system, AVED.

Abstract is: Contributed

Presentation Preference: Oral

First Session Choice: SS02 Ecology of Gelatinous Zooplankton

Second Session Choice: RS03 Zooplankton

Third Session Choice:

Other Session Choice:

Session Chair No

Extended A/V: No

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