

VOUCHER SHEET

Species name: Makrokyllindrus sp TB2 Cadien 2006 § **Date Examined:** 26 February 2012
Group: Cumacea Family Diastylidae **Voucher By:** Don Cadien
Voucher Specimen(s): Tanner Basin Sta. R-22, 1335 m 3♀ (Epibenthic sled), Cascadia Slope Sta. EBS-67, 1372m 1♀ (Epibenthic sled), off Pt. Loma, Bight '08 Station 7092, 949m 1♀ (Van Veen grab)

SYNONYMY: none

LITERATURE: Cadien, D. B. 2012. Cumacea of the NEP (equator to Aleutians, intertidal to abyss): a review. Available at www.scamit.org/taxonomictools/arthropoda/cumacea

There is no recent synthesis of this genus. Day, 1980 provides useful discussion relative to other diastylid genera and keys the known members at that date, including described species from the NEP.

DIAGNOSTIC CHARACTERS:

1. carapace smooth, sloping gently upward from pseudorostrum with no defined ocular lobe; eyes seemingly absent; antennal sinus hardly visible; ventral carapace margin finely denticulate between A2 and the proximal end of the P1 basis, otherwise smooth; carapace light tan, matte rather than shiny; lacking setae
2. uropodal peduncle much longer than pre-anal telson, subequal in length to entire telson; post-anal telson with 2 lateral setal pairs and a terminal spine pair; uropodal endopod three segmented, subequal in length to exopod
3. last thoracic somite (T5) bearing a pair of posterolateral spines; first abdominal somite with a pair of posterodorsal spines; thoracic and abdominal somites otherwise unornamented
4. pre-anal telson about 60% of telson length

RELATED SPECIES AND CHARACTER DIFFERENCES:

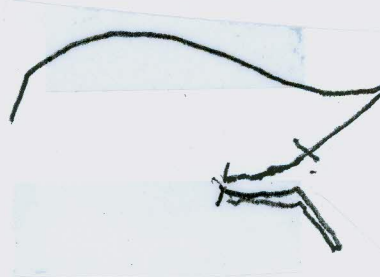
1. differs from *M. menziesi*, sp SD1, sp BAP1, sp BAP2, sp BAP3, sp TB1, sp CS3, and *M. americanus* in having the preanal and postanal portions of the telson of similar length, as opposed to the post-anal portion being much less than half the pre-anal length
2. differs from *M. sp CS2* in having terminal telsonic spines and lacking carapace ridging
3. differs from *M. sp CS4* in lacking dorsal horn-like spines flanking the ocular lobe
4. differs from *M. abyssi* in having the post-anal telson tapering and pointed rather than patulose and rounded
5. differs from *M. sp CS1* in lacking a curved serrate ridge on the carapace, in having the uropodal peduncle much longer than the pre-anal telson, in bearing spines on the last thoracic and first abdominal somites, and in having the inner ramus of the uropod of three rather than one segment

DEPTH RANGE: 949-1372m

[Makrokyllindrus sp TB2, pg. 2]

DISTRIBUTION: Oregon to California: Tanner Basin and off Pt. Loma

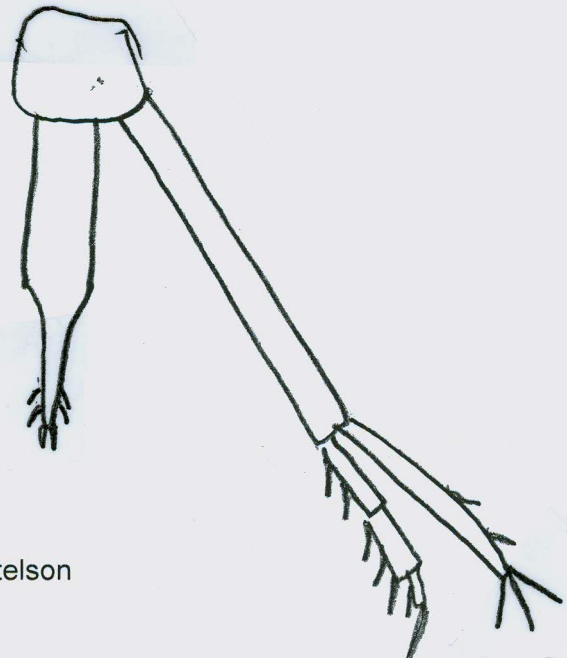
ILLUSTRATION:



Lateral view of carapace showing location of finely denticulate margin



Spined thoracic and abdominal somites



Urosome, showing proportions of uropods and telson