



City and County of San Francisco Voucher Sheet

Voucher #: AM 710

Taxa: Amphipoda: Ischyroceridae

Original Prep.Date: 27 Oct 2003

Prepared By: C.L. Black

Species Code: ISC_ANGUIPES

Species: *Ischyrocerus anguipes*

Authority: Kroyer, 1838

Common Synonyms: *Ischyrocerus* sp. SF1

Voucher Information

VIAL NUMBER	SAMPLE NUMBER	STATION	SAMPLE DATE	NUMBER OF SPECIMENS	COMMENTS/NOTES
1	BSPAB023	unknown	24 Oct 1985	1	Old and very ragged.
2	BSSWC132	01	26 Jun 1989	28	Antennae and pereopods 3-7 missing from most individuals. 0.5 & 1.0 mm
3	0109139378	3	12 Sep 2001	4	1 female, 3 males, including one w/ a mature G2. CLZ.
4	BSSWB123	4	26 Jun 1989	1	A large-clawed male.

Characters:

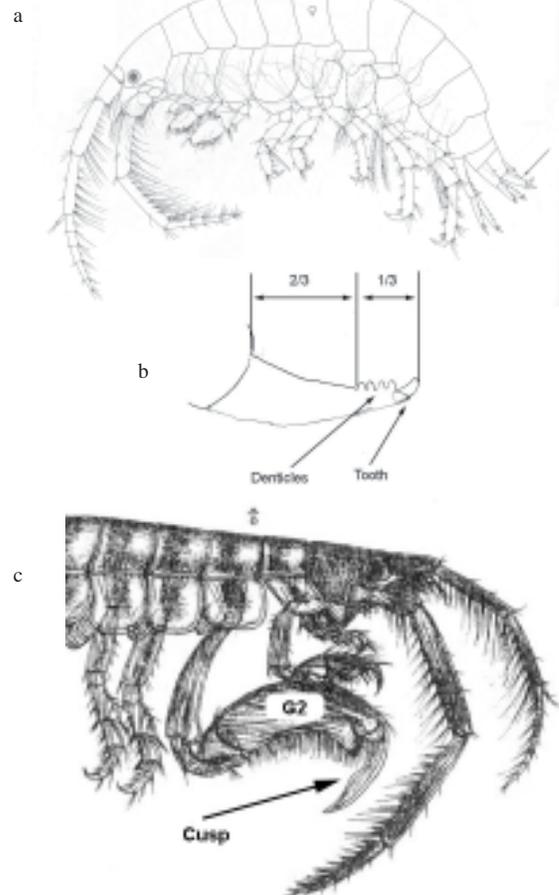
- The outer ramus of uropod 3 has 3-5 pronounced denticles and a curved tooth. From the serrated portion to the end of the outer ramus of uropod 3 is approximately 1/3 the total length of the ramus (b).
- Females and immature males: gnathopod 2 only slightly larger than gnathopod 1 (a).
- Mature males: gnathopod 2 (G2) greatly enlarged with a concave palm. The posterior edge of the dactyl bears a pointed cusp (c).

Additional Information:

Distribution: Subarctic and Boreal.

“Ecology: A common shallow-water tube-building amphipod, occurring from the low tide level, especially along rocky shores, to depths of over 50 m. A common fouling organism on pipes, aids-to-navigation, etc. in cold-water areas.” (Bousfield 1973)

Illustrations:



a. Female, whole body (Bousfield 1973)

b. Outer ramus of uropod 3 (SWOO 0109139378, drawn by CLZ 2005)

c. Mature male, anterior half of body. (Sars 1898)

Ischyrocerus anguipes (continued)

Similar Species:

Ischyrocerus anguipes lacks the palmar spines found on the gnathopods of *Ischyrocerus pelagops* and *Ischyrocerus* sp. SF2. The teeth on the outer ramus of uropod 3 are larger and more pronounced than those of *I. pelagops* or *Ischyrocerus* sp. SF2 and generally fewer in number. In *I. anguipes*, the toothed section of the outer ramus of uropod 3 is approximately 1/3 the length of the whole ramus, whereas in *I. pelagops* and *Ischyrocerus* sp. SF2 the ratio is approximately 1/5.

Comments:

We previously treated the large-clawed adult males as a provisional species *Ischyrocerus* sp. SF1 but have since established that they are also *I. anguipes*.

References:

Barnard, Laurens J. 1954. *Marine Amphipoda of Oregon*. Corvallis, Oregon.: Oregon State College.

Bousfield, E. L. 1973. *Shallow-Water Gammaridean Amphipoda of New England*. Ithaca, NY: Cornell University Press.

Sars G. O. 1898. *An Account of the Crustacea of Norway with Short Descriptions and Figures of All the Species. Volume 1. Amphipoda*. Bergen and Oslo: Universitetsforlaget. pp. 588-589, pl. 209.

Revision History:

26 October 2005 CLZ Updated to reflect the synonymization of *Ischyrocerus* sp. SF1 with *Ischyrocerus anguipes* and to add the Sars 1898 reference and illustration.

29 August 2004 CLZ Added vial numbers to voucher specimen information.