

**Provisional Name:** *Photis* sp SD10

**Authority:**

**Common Synonyms:**

**Taxon:** Amphipod: Isaeidae **Taxonomist:** Dean Pasko

**Date:**

**Specimen(s):** Station Date Depth (ft/m) #spms storage location  
2685 (1), 28 July 99, 398 ft, 1 spm, DP: ITP-99 FID #1  
B11 (1), 01-Feb-2019

**Characters:**

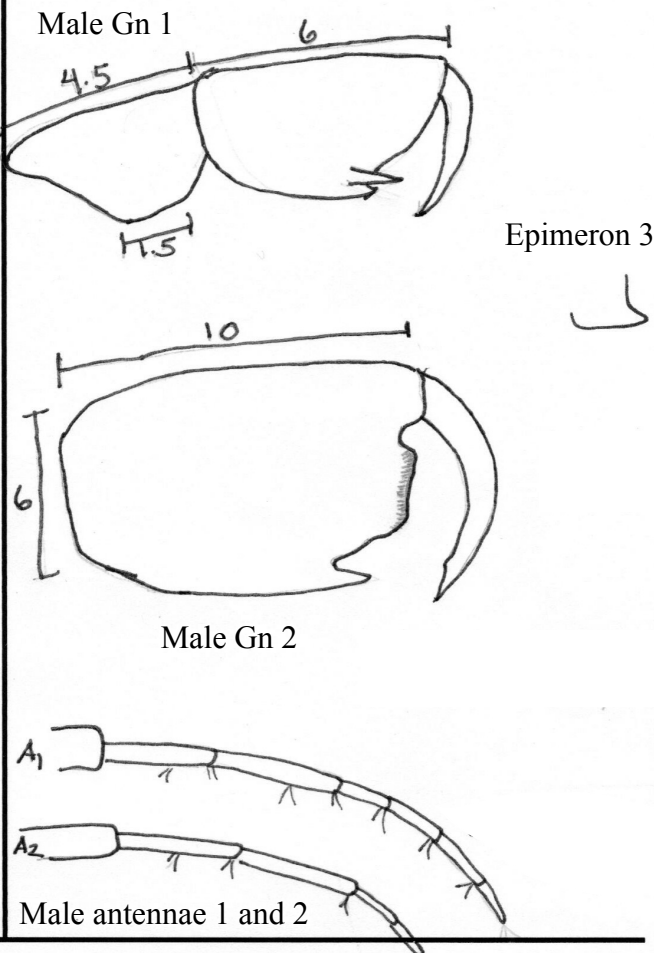
**Male specimen (2.5 mm)**

- Articles of antennae long, few in number (A1 flagellum with 4 articles; A2 with 5), sparsely setose
- Eye normally sized; eye lobe sub-acute
- Gnathopod 1 palm oblique with small defining tooth and large mesial spine; article 5 slightly shorter than article 6, posterior margin short (approx. 1/3 of anterior margin); basis unproduced antero-distally.
- Gnathopod 2 article 6 elongate (approx. 1.75 as long as broad) with oblique palm; palmar tooth large, strongly produced, squared and slightly emarginate; dactyl strongly overlapping palm; article 2 without stridulation ridge.
- Coxae 2-5 elongate, narrow, with 10-15 marginal setae
- Body coloration patchy.

**Female specimen (2.25 mm) – see page 2**

- Eye normally sized; eye lobe sub-acute
- Gnathopod 1 palm oblique, flat to slightly convex; article 5 subequal to article 6, posterior margin broad (approx. 4/5<sup>th</sup> anterior margin); basis unproduced antero-distally, with row of 5-8 short, evenly distributed setae.
- Gnathopod 2 oblique, article 6 elongate (approx. twice as long as broad) convex to very slightly sinuous palm; basis unproduced antero-distally, with row of 5-8 short, evenly distributed setae.
- Coxae 2-5 elongate, narrow, with 10-15 marginal setae.

**Illustrations:**



**Related Species & Other Comments:**

This species, represented by a single male specimen, differs from all other species of *Photis* reported from the southern California Bight in the possession of a defining tooth on gnathopod 1. *Photis* sp SD10 closely resembles *Photis macinerneyi* in the elongate nature of gnathopod 2, article 6, but differs in the larger and more squared and emarginate palmar tooth, and the more oblique nature of the palm (i.e., the defining tooth does not extend out to a distance level with the dactylar hinge). It is also similar to *Photis lacia* but differs in having gnathopod 1, article 5 shorter than article 6 with a posterior margin is only 1/3 the anterior margin, gnathopod 2 with a much stronger, more emarginate palmar tooth, and in the absence of a stridulating ridge on gnathopod 2, article 2.

This specimen may represent a juvenile or immature specimen, however, the presence of a process defining the palm of gnathopod 1 makes this specimen unique enough to call it out as something to look for.

**References:**

- Barnard, J.L. 1962. Pacific Naturalist, 3. 1-72.  
Conlan, K. 1983. Publications in Natural Sciences, No. 4. 1-75.

**Provisional Name:** Photis sp SD10

**Authority:**

**Common Synonyms:**

**Taxon:** Amphipod: Isaeidae **Taxonomist:** Dean Pasko

**Date:**

**Specimen(s):** Station Date Depth (ft/m) #spms storage location  
2685 (1), 28 July 99, 398 ft, 1 spms, DP: ITP-99 FID #1  
B11 (1), 01-Feb-2019



Female, whole specimen. (City of San Diego Station B11, 01-Feb-2019)

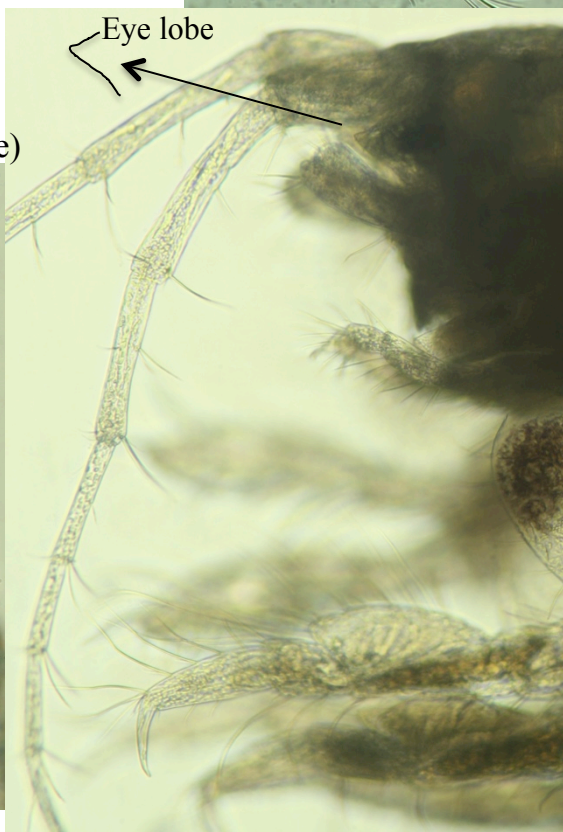
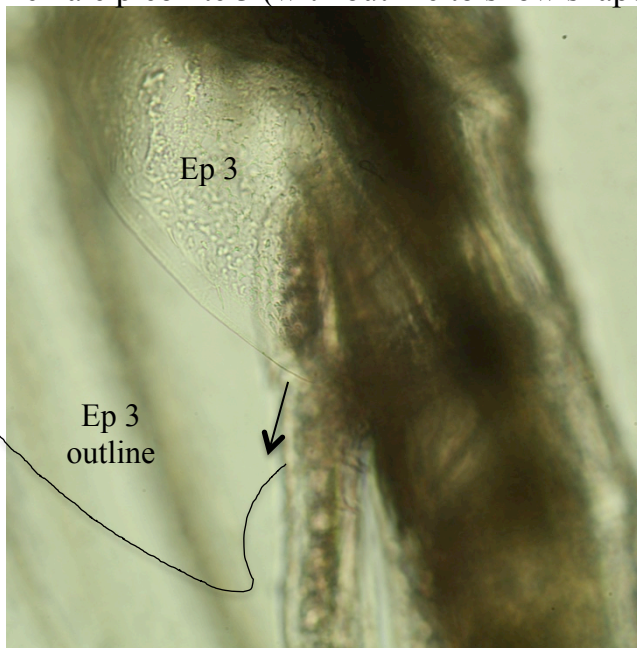


Female Gn 2



Female Gn 1

Female pleonite 3 (with outline to show shape)



Female head, antennae, eye lobe (outlined to show shape)