Key to the southern California species of *Bathymedon*

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1. Rostrum long, reaching more than half way along article 1 of antenna 1, and exceeding lateral cephalic lobe .......................................................... 2
   — Rostrum small or absent .......................................................... 5

2. Eye present, small, yellowish; rostrum stout, nearly horizontal, anterior surface curving downward forming obtusely acute point ...................................... *Bathymedon roquedo*
   — Eye absent; rostrum slender tapering to an acute point ................. 3

3. Gnathopod 2 with distinct lobe on article 5 extending well beyond posterior margin of article 6; telson truncate with two spines along posterior margin ............................................ *Bathymedon caino*
   — Gnathopod 2 with at most a small lobe which may barely extend beyond posterior margin of article 6; telson rounded (Fig 1) or truncate (Fig 2) but with only setae present, no spines .......... 4

4. Gnathopod 2 with article 5 one-third longer than article 6; palm longer than hind margin of article 6; body densely covered with very minute, broadly triangular, ragged scales giving fuzzy appearance .................................................. *Bathymedon vulpeculus*
   — Gnathopod 2 with article 5 shorter than article 6; palm shorter than hind margin of article 6; body without scales ............................................. *Bathymedon nepos*

5. Telson emarginate (Fig 3) .......................................................... *Bathymedon pumilus*
   — Telson apically rounded (Fig 1) or truncate (Fig 2) ....................... 6

6. Telson rounded with setae and two stout spines; eye present but reduced .... *Bathymedon kassites*
   — Telson rounded or truncate with setae only, without spines; eye absent ................................................. 7

7. Gnathopod 1 and Gnathopod 2 generally similar in shape; epistome produced, conical ............ 8
   — Gnathopod 2 distinctly different from Gnathopod 1 in shape, overall size and presence/absence of lobes; epistome unproduced, rounded ............................................. 9

8.* Coxa 1 markedly produced forward, distal margin about twice width of proximal margin; rostrum obsolete .................................................. *Bathymedon covilhani*
   — Coxa 1 not strongly produced forward, distal margin only one-and-a-half width of proximal margin; small rostrum present .................................................. *Bathymedon candidus*

9. Coxa 4 distally emarginate; Gnathopod 2 article 5 stout (L:W ~ 2.66:1) .................. *Bathymedon sp A*
   — Coxa 4 distally flat or convex; Gnathopod 2 article 5 narrow (L:W ~ 3.5:1) .......... *Bathymedon flebilis*

*Fig 1 Fig 2 Fig 3*

*Bathymedon candidus* and *Bathymedon covilhani* may be the same; *B. candidus* was described from only females and *B. covilhani* was described from a male. Only minor differences separate the two.