

Key to California Orchomene Species
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- 1a Urosome bearing a projecting process or inflated low hump - 4
- b Urosome smooth and uninflated - 2

- 2a Third pleonal epimeron posteriorly produced - Orchomene decipiens
- b Third pleonal epimeron unproduced - 3

- 3a Eyelobe projecting - Orchomene anaquela
- b Eyelobe obtuse - Orchomene holmesi

- 4a Urosome bearing a smooth inflated hump - Orchomene pinguis
- b Urosome bearing a projecting process - 5

- 5a Third pleonal epimeron unproduced - 6
- b Third pleonal epimeron posteriorly produced - 7

- 6a Third pleonal epimeron rounded - Orchomene obtusa
- *b Third pleonal epimeron quadrate - Orchomene magdalenensis*

- 7a Telson with two dorsal spines per lobe; urosomal process acutely conical - Orchomene index*
- b Telson with two dorsal spines per lobe; urosomal process rounded and overhanging urosomal segment 5 - Orchomene pacifica*

*Species which will probably be included within a revised concept of Lepidepcreum

Tabular Key to California Orchomene Species
 by
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	Hooked accessory spine at base of dactyl of periopods 1 and 2 Y=Yes N=no	Shape of third pleonal epimeron posterior border Q=quadrate P=produced R=rounded S=serrate	Length of dactyl on last three periopods S=short L=long M=medium V=very	Shape of eyelobe O=obtuse P=projecting SP=strongly projecting	Length of article 6 of first gnathopod S=short L=long M=medium V=very	Tooth present on dactyl of first gnathopod Y=yes N=no	Number of dorsal telsonic spines (per lobe)	Shape of urosomal crest L=low P=produced SP=strongly produced A=absent
anaquela	N	RQ	MS	P	S	Y	1	A
pinguis	N	QS	VS	P	S	Y	2	L
decipiens	N	P	L	P	S	Y	2	A
magdalenensis*	Y	Q	L	P	VL	Y	1	SP
obtusa	N	R	S	O	L	N	3	P
pacific*	Y	P	L	SP	VL	Y	0	P
holmesi	N	Q	MS	O	L	N	3	A?
index*	Y	P	L	SP	VL	Y	2	SP

* = will fit into revised generic limits of Lepidepcreum