

Chapter 9C6. Focal Taxonomic Collections: Decapod Crustaceans

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Results

We collected a total of 21 species of decapods, including 12 species of brachyuran crabs, 3 species of lithodid crabs, 3 species of hermit crabs, and 5 species of caridean shrimp (Table 9C6.1). All of these species were collected by hand or dip net in the intertidal and shallow subtidal zones, or on float fouling communities. None of these species is a new record for the region (Jensen, 1995).

We also noted parasitic castrators (rhizocephalan cirripedes, entoniscid isopods) of decapods in the collections during August 1999. Several of the samples of the hermit crab *Pagurus hirsutiusculus* exhibited infections by rhizocephalan parasites. The crab *Lophopanopeus bellus* also has a high prevalence of infection by the rhizocephalan “*Loxothylacus panopaei*” at Tatitlek. (Note: The name given to this rhizocephalan in the literature by Boschma (1955) for the west coast of North America is undoubtedly incorrect and should be renamed, as this is not the same species that is found in xanthid crabs of the eastern and gulf coasts.) The population of the shore crab *Hemigrapsus oregonensis* also had high prevalence of the entoniscid isopod *Portunion conformis*.

References

Boschma, H. 1955. The described species of the family Sacculinidae. Zool. Verhandl. 27: 48-76.

Jensen, G.C. 1995. Pacific Coast Crabs and Shrimps. Sea Challengers, Monterey, California. 87 pp.

Table 9C6.1. Decapod Crustaceans in Field Surveys

Decapod Crustaceans	Homer - ard	Sew- ard	Whit- tier	Port Valdez	Saw- Mill Bay	Rocky Pt., Gallen a Bay	Bus- by Is.	Tatit- lek	Cor- dova	Gla- cier Is.	Green Island	Consta- Tine Harbor	Port Chal- mers
1997; 1998; 1999													
Brachura													
<i>Cancer magister</i>	X	X			X				X			X	
<i>Cancer oregonensis</i>	X	X				X	X	X	X	X	X		X
<i>Cancer productus</i>							X	X					
<i>Cancer gracilis</i>									X				
<i>Chionoecetes bairdi</i> (molts)							X						
<i>Chorilla longipes</i>								X					
<i>Hemigrapsus oregonensis</i>		X	X	X	X	X	X,9	X,4	X,7			X	X
<i>Lophopanopeus bellus</i>						X	X	X,5			X		X
<i>Oregonia gracilis</i>	X					X			X	X			
<i>Pugettia gracilis</i>						X	X	X					
<i>Scyra acutifrons</i>	X												
<i>Telmessus cheiragonus</i>	X	X			X		X	X	X	X	X		X
Anomura													
<i>Cryptolithodes typicus</i>						X							
<i>Hapalogaster grebnitzii</i>	X						X	X			X		
<i>Phyllolithodes papillosus</i>						X							
<i>Pagurus beringanus</i>	X							X					
<i>Pagurus granosimanus</i>						X	X	X			X		
<i>Pagurus hirsutiusculus</i>	X,1	X,2	X	X,3	X	X	X	X,6	X,8	X	X	X	X
Caridea													
<i>Eualus b9iunguis</i>							X						
<i>Hyppolyte clarki</i>				X	X								
<i>Heptacarpus stimpsoni</i>	X			X					X				
<i>Spirontocaris ochotensis</i>					X		X	X					X
<i>Spirontocaris prionota</i>						X					X		

Parasite Notes:

Aug 1999:

1 = 7/9 with bopyrid isopod

2 = 1/32 with rhizocephalan *Peltogaster paguri*; 1/32 with rhizocephalan

Peltogasterella gracilis

3 = 0/9 infected

4 = 30/45 with entoniscid isopod *Portunion conformis*

5 = 19/44 with rhizocephalan *Loxothylacus panopei*

6 = 1/6 with bopyrid isopod; 2/6 with rhizocephalan *Peltogaster paguri*; 1/6 with isopod and *P. paguri*

7 = 0/13 with *Portunion conformis*

8 = 3/30 with *Peltogaster paguri*;

1/30 with *Peltogasterella gracilis*

June 1998: 9 = 2/93 with rhizocephalan