

## Gregory C. Jensen

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### Education

**A.S.** (Marine Biology), Olympic College, Bremerton, WA, 1978.

**B.A.** (Zoology), University of Washington, Seattle, WA, 1981.

**Ph.D.** (Fisheries/Invertebrate Ecology) University of Washington, 1990. Dissertation: **Intertidal Zonation of Porcelain Crabs: Resource Partitioning and the Role of Selective Settlement.**

### Positions Held

**Capstone Coordinator**, School of Aquatic and Fishery Sciences, University of Washington.

2007- present. Assist students in all aspects of their senior projects, including proposals and presentations, faculty advisor selection, study design, IACUC approval, etc. Supply live animals for projects and classes and maintain closed seawater system for school.

**Instructor**, Crustacean Biology. Bamfield Marine Sciences Centre, British Columbia, Canada. 2002-present. Teach 3 week immersion class on crustacean behavior and ecology.

**Fisheries Biologist**, School of Aquatic and Fishery Sciences, University of Washington. 2006-2009. Conducted dive surveys of Hood Canal to assess geoduck and sea cucumber populations.

**Instructor**, Shellfish Biology. School of Aquatic and Fishery Sciences, University of Washington, Seattle. 1994- 2006. Taught 300-level, 5 credit class on the biology, ecology, and taxonomy of crustaceans, mollusks, and echinoderms.

**Fisheries Biologist**, School of Aquatic and Fishery Sciences, University of Washington. 1998-2001. Investigated interactions between the introduced European green crab and native crabs on the west coast.

**Instructor**, Fisheries Techniques. School of Fisheries, University of Washington, Seattle. 2000 & 2002. Taught 200-level, 5 credit class on sampling techniques, experimental design and analysis.

**Instructor**, Ichthyology. Shannon Point Marine Center, Western Washington University. Spring 1994; 1995. Taught 400-level, 5 credit class covering the evolution, biogeography, ecology, behavior, and physiology of fishes. Supervised REU students during summer, 1994-1997.

**Fisheries Biologist**, School of Fisheries, University of Washington, Seattle. 1990-94. Investigation of effects of *Exxon Valdez* oil spill on invertebrates and demersal fish in Prince William Sound, Alaska; studies of king crab stocks and larval transport in Port Moller, Alaska; developed methodology for assessing impact of organic deposition on soft-bottom invertebrate communities in Puget Sound.

**Pre-Doctoral Lecturer**, Biology of Crustacea. School of Fisheries, University of Washington, Seattle. 1987. Taught 400-level class in general crustacean biology, ecology, physiology, fisheries, and aquaculture.

**Teaching Assistant**, School of Fisheries, University of Washington, Seattle. 1985-86, 1988-89. Responsible for lectures, tests, and grading in 2 credit laboratory class in crustacean ecology and taxonomy; coordinated and led field trips.

**Fisheries Biologist**, School of Fisheries, University of Washington, Seattle. 1983-84. Conducted studies of the population, reproductive cycle, and early life history of blue king crab (*Paralithodes platypus*) near the Pribilof Islands, Alaska.

- Biological Technician**, National Marine Fisheries, RACE Division, Seattle, 1983. Collected biological data on pollock populations in the Gulf of Alaska.
- Foreign Fisheries Observer**, Northwest and Alaska Fisheries Center, Seattle, 1982. Sampled catch of commercial species aboard a Korean fishing vessel and collected biological information on selected species.
- Port Sampler**, International Pacific Halibut Commission, Kodiak, 1981. Monitored halibut landings for Kodiak, Alaska; collected biological information and tagged juveniles.
- Student Helper**, Friday Harbor Laboratories (1977-78); University of Washington Fisheries Research Institute (1980-81). Collected data on barnacle settlement in Puget Sound; assisted in purse and beach seine operations and identified and measured fish; dive surveys assessing artificial reef fish populations.

### Scientific Publications

- Jensen, G.C. 1983. *Heptacarpus pugettensis*, a new species of hippolytid shrimp from Puget Sound, Washington. **Journal of Crustacean Biology** 3: 314-320.
- Jensen, G.C. 1986. Some observations of the alpheid shrimp *Betaeus setosus* Hart with its host, *Pachycheles rudis* Stimpson. **Southern California Academy of Sciences Bulletin** 85: 180-181.
- Jensen, G.C. 1987. A new species of the genus *Lebbeus* (Caridea: Hippolytidae) from the northeastern Pacific. **Southern California Academy of Sciences Bulletin** 86: 89-94
- Jensen, G.C. and D.A. Armstrong, 1987. Range extensions of some northeastern Pacific Decapoda. **Crustaceana** 52: 215-217.
- Jensen, G.C. 1988. Keys to the Hippolytidae and Crangonidae. Pp. 397-402 in: E.N. Kozloff, Marine Invertebrates of the Pacific Northwest. University of Washington Press.
- Jensen, G.C. and D.A. Armstrong, 1989. The biennial reproductive cycle of blue king crab, *Paralithodes platypus*, at the Pribilof Islands, Alaska and comparison to a congener, *P. camtschatica*. **Canadian Journal of Fisheries and Aquatic Sciences** 46: 932-940.
- Jensen, G.C. 1989. Gregarious settlement by megalopae of the porcelain crabs *Petrolisthes cinctipes* (Randall) and *P. eriomerus* (Stimpson). **Journal of Experimental Marine Biology and Ecology** 131: 223-231.
- Dumbauld, B.R., D.A. Armstrong, D.C. Doty, and G.C. Jensen. 1989. Burrowing shrimp recruitment to Washington coastal estuaries: a new approach to an old problem. **Journal of Shellfish Research** 8: 412-413.
- Jensen, G.C. and D.A. Armstrong, 1991. Intertidal zonation among congeners: factors regulating the distribution of porcelain crabs, *Petrolisthes* spp. (Anomura: Porcellanidae). **Marine Ecology Progress Series** 73: 47-61.
- Jensen, G.C. 1991. Competency, settling behavior, and post-settlement aggregation by porcelain crab megalopae (Anomura: Porcellanidae). **Journal of Experimental Marine Biology and Ecology** 153: 49-61.
- Jensen, G.C., H.B. Andersen, and D.A. Armstrong. 1993. Differentiating *Paralithodes* zoea using telson spines: a tail of two species. **Fishery Bulletin** 90: 778-783.
- Armstrong, D.A., T.C. Wainwright, G.C. Jensen, P.A. Dinnel, and H.B. Andersen. 1994. Taking refuge from bycatch issues: king crab and trawl fisheries in the eastern Bering Sea. **Canadian Journal of Fisheries and Aquatic Sciences** 50: 1993-2000.
- McLaughlin, P.A. and G.C. Jensen. 1996 A new species of hermit crab of the genus *Parapagurodes* (Decapoda: Anomura: Paguridae) from the Eastern Pacific, with a description of its first zoeal stage. **Journal of Natural History** 30: 841-854.
- Jensen, G.C. 1998. A new shrimp of the genus *Pandalopsis* (Decapoda: Caridea: Pandalidae) from the eastern Pacific, with notes on its natural history. **Species Diversity** 3: 81-88.
- McDonald, P.S., G.C. Jensen, and D.A. Armstrong. 1998. Green crabs and native predators: possible limitations on the west coast invasion. **J. Shellfish Res.** 17: 1283.

- Jensen, G.C.** and M.K. Asplen. 1998. Omnivory in the diet of juvenile Dungeness crab, *Cancer magister* Dana. **Journal of Experimental Marine Biology and Ecology** 226: 175-182.
- Jensen, G.C.** and R.C. Johnson. 1999. Reinstatement and further description of *Eualus subtilis* Carvacho and Olson, and comparison with *E. lineatus* Wicksten and Butler (Crustacea: Decapoda: Hippolytidae). **Proceedings of the Biological Society of Washington** 112: 133-140.
- McDonald, P.S., G.C. **Jensen**, and D.A. Armstrong. 2001. The competitive and predatory impacts of the nonindigenous crab *Carcinus maenas* (L.) on early benthic phase Dungeness crab *Cancer magister* Dana. **Journal of Experimental Marine Biology and Ecology** 258: 39-54.
- Jensen, G.C.**, P.S. McDonald, and D.A. Armstrong. 2002. East meets West: competitive interactions between green crab, *Carcinus maenas*, and native and introduced shore crab *Hemigrapsus* spp. **Marine Ecology Progress Series** 225: 251-262.
- Jensen, G.C.** and D.A. Armstrong (2004) The occurrence of the Japanese mitten crab, *Eriocheir japonica* (de Haan) on the west coast of North America. **California Fish and Game** 90: 94-99.
- Stamatiou, L. and G.C. **Jensen** (2004) *Heptacarpus littoralis* Butler a synonym of *Heptacarpus sitchensis* (Brandt) (Crustacea: Decapoda: Hippolytidae). **Zootaxa** 461: 1-4.
- Jensen, G.C.** (2004) The status of *Eualus pusiolus* in the northeastern Pacific, with a description of a new species of *Eualus* (Decapoda: Hippolytidae). **Journal of Crustacean Biology** 24: 463-469.
- Sato, M. and G.C. **Jensen** (2005) Shell selection by the hermit crab *Parapagurodes hartae* (Decapoda, Anomura). **Crustaceana** 78: 755-760.
- Jensen, G.C.** (2005) A unique feeding method in a teleost fish, the fourhorn poacher *Hypsagonus quadricornis* (Agonidae). **Biological Bulletin** 209: 165-167.
- Jensen, G.C.** (2006) Three new species of *Lebbeus* (Caridea: Hippolytidae) from the Northeastern Pacific. **Zootaxa** 1383: 23-43.
- Jensen, G.C.**, P.S. McDonald, and D.A. Armstrong (2007) Biotic resistance to green crab, *Carcinus maenas*, in California bays. **Marine Biology** 151: 2231-2243.
- Galloway, A.W. E. , B. C. Lee, T. E. Essington, G. R. Van Blaricom, G. C. **Jensen**, P. S. McDonald and D. A. Armstrong. 2008. Evaluating abundance and depth distribution of subtidal *Panopea abrupta* and *Parastichopus californicus* in Hood Canal, Washington. **Journal of Shellfish Research** 27: 465
- Jensen, G.C.** (2011) Feeding behavior of the horned shrimp, *Paracrangon echinata* (Caridea: Crangonidae). **Journal of Crustacean Biology** 31: 246-248
- Jensen, G.C.** (2011) Size-assortative pairing and mate recognition in the thickclaw porcelain crab, *Pachycheles rudis* Stimpson. **Crustaceana** 84: 1181-1195
- McDonald, P.S., Essington, T.E., Davis, J.P., Galloway, A.W.E., Stevick, B.C. **Jensen, G.C.**, VanBlaricom, G.R., and D.A. Armstrong. (in review) Estimating filtration capacity of subtidal geoduck clams (*Panopea generosa*) in Hood Canal, Washington, USA. **Marine Ecology Progress Series**
- Jensen, G.C.** (in prep.) A case of mistaken identity: the real larvae of the horned shrimp *Paracrangon echinata* (Caridea: Crangonidae)
- Smith, A. and G.C. **Jensen** (in prep.) The role of carapace spines in the swimming behaviour of porcelain crab zoeae (Crustacea: Decapoda: Porcellanidae)

### **Technical Reports and Symposia**

- Armstrong, D.A., J.L. Armstrong, G.C. **Jensen**, G.T. Williams, and R. Palacios. 1984. Biology of the blue king crab (*Paralithodes platypus*) and Korean hair crab (*Erimacrus isenbeckii*) near the Pribilof Islands, Bering Sea, Alaska. Report to OSCEAP/OMPA, Juneau, Alaska.
- Jensen, G.C.**, D.A. Armstrong, and G. Williams. 1985. Reproductive biology of blue king crab, *Paralithodes platypus*, in the Pribilof Islands. **Proceedings of the International King Crab Symposium**; Alaska Sea Grant Report No. 85-12, pp. 109-121.
- Armstrong, D.A., J.L. Armstrong, R. Palacios, G. Williams, G.C. **Jensen**, and W. Pearson. 1985. Early life history of juvenile blue king crab, *Paralithodes platypus*, around the Pribilof Islands. **Proceedings of the International King Crab Symposium**; Alaska Sea Grant Report No. 85-12, pp. 211-229.

- Jensen, G.C.** 1991. Gregarious settlement by porcelain crabs, *Petrolisthes* (Anomura: Porcellanidae). **Memoirs of the Queensland Museum, Brisbane** 31: 390
- Wainwright, T.C., D.A. Armstrong, H.B. Andersen, P.A. Dinnel, D.W. Herren, G.C. **Jensen**, J.M. Orensanz, and J.A. Shaffer. 1991. Port Moller king crab studies. University of Washington Fisheries Research Institute Report FRI-UW-9203. 38 p.
- Armstrong, D.A., P.A. Dinnel, J.M. Orensanz, J.L. Armstrong, G.C. **Jensen**, H.B. Andersen, and P.C. Wardrup. 1993. Washington Shellfish Resources. Evergreen Legal Services, Seattle.
- Miller, S.A., B.S. Miller, G.C. **Jensen**, and H.B. Hill. 1994. Development of a scuba-based protocol for the rapid evaluation of benthic degradation due to organic accumulation in the nearshore soft-bottom habitat of Puget Sound. FRI-UW-9403.
- Anderson, R.C., J.A. Cosgrove, G.C. **Jensen**, and K.O. Lewand. 2003. Observation on mating of the giant Pacific octopuses. Proceedings of the 2003 Georgia Basin/Puget Sound Research Conference.

### Grants

- 1992 Lerner-Gray Fund for Marine Research, American Museum of Natural History.
- 1997 Washington Sea Grant. Project Title: *Potential Impacts of a Nonindigenous Crab on Selected West Coast Commercial Invertebrates*. \$154,217.
- 1999 Washington Sea Grant. Project Title: *Habitat Utilization by a Nonindigenous Crab*. \$184,384

### Popular Publications

- Jensen, G.C.** 1995. **Pacific Coast Crabs and Shrimps**. Sea Challengers, Monterey. viii + 87 pp.
- Jensen, G.C.** 1995. To Each His Zone: on Northwest Coast beaches, drifting crab larvae unerringly find snug harbors. **Natural History Magazine** 104: 26-31.
- Hendry, A.P. and G. C. **Jensen**. 1998. Northern Exposures: Life in the near-shore desert. **Discover Diving** 16: 48-52.
- Jensen, G.C.** 2003. Decapoda. Grzimek's Animal Life Encyclopedia, Vol. 2: Protostomes.
- Jensen, G.C.** 2014. **Crabs and Shrimps of the Pacific Coast: A guide to shallow-water decapods from southeastern Alaska to the Mexican border**. MolaMarine, Bremerton, WA. 240 p. + 650 p. e-guide
- Additional photo credits include *BBC Magazine*, *Illustreret Videnskab*, *Weekly Reader*, *Sea Magazine*, *Seattle Times*, *Waters*, **Pacific Coast Inshore Fishes**(4<sup>th</sup> ed), **Coastal Fish Identification: California to Alaska** (2<sup>nd</sup> ed), and four National Audubon Society Field Guides. Photos on display at Oregon Coast Aquarium, Odyssey Maritime Museum, and American Museum of Natural History.

### Selected Presentations

- Reproductive Biology of Blue King Crab (*Paralithodes platypus*) in the Pribilof Islands-- **International King Crab Symposium**, Anchorage, Alaska, 1985.
- Gregarious Settlement by Porcelain Crabs-- **International Crustacean Conference**, Brisbane, Australia, 1990.
- Between a Rock and a Hard Place: Intertidal Zonation of Porcelain Crabs-- **Western Society of Naturalists**, Monterey, California, 1990.
- Who's the Boss? Assortative Pairing and Mate Recognition by the Thick-Clawed Crab, *Pachycheles rudis*-- **Western Society of Naturalists**, Newport, Oregon, 1993.
- Predatory Green Crabs Invade Pacific Coast Estuaries. Invited Speaker, **Fifth Annual Conference for Shellfish Growers**, Olympia, Washington, 1995.
- Decapod Identification Workshop. Invited Speaker. **Northern Association of Marine Invertebrate Taxonomists**, University of Victoria, British Columbia, Canada, 1995.
- A Whiter Shade of Male: Differential Mortality by Sex and Color in the Shore Crab *Hemigrapsus oregonensis*--**Western Society of Naturalists**, Port Townsend, WA, 1996 (with M. Egnotovitch).
- Competence periods and habitat requirements: a reassessment of their interactions-- **Western Society of Naturalists**, La Paz, Mexico, 1997.

Biology of the green crab, *Carcinus maenas*-- Invited speaker, **National Shellfisheries Association** and **Pacific Coast Oyster Growers Association** joint meeting, Newport, Oregon, 1997.  
East meets West; Competition between green crab and *Hemigrapsus*--**Western Society of Naturalists**, Portland, Oregon 2000.

### **Professional Affiliations**

The Crustacean Society  
Puget Sound Exotic Species Work Group  
Northern Association of Marine Invertebrate Taxonomists  
Board of Directors, Marine Science Society of the Pacific Northwest (1998-2000)  
Aquatic Nuisance Species Task Force  
Western Society of Naturalists

### **Graduate Student Committees**

M.S., Susan A. Miller, University of Washington, 1994. **A visual SCUBA-based protocol for assessing macroinvertebrate populations under sea-farming facilities in Puget Sound, Washington.**  
M.S., Grace Tsai, University of Washington, 2002. **Size at maturity of the sharp-nosed crab, *Scyra acutifrons* (Brachyura, Majidae), in Puget Sound: a description of inter- and intrapopulational variations, and an investigation of their potential causes.**  
Ph.D. P. Sean McDonald, University of Washington. **Mitigating effects of native crabs on the *Carcinus* invasion.**

### **Certifications/Expertise**

SCUBA (NAUI, 1974; NOAA certification and drysuit training 1984; current UW & AAUS certification). Experienced in underwater biological surveys and collection and handling of marine organisms. Have wide range of diving experience in Pacific northwest waters, and have made dives from the tropics (Australia; Caribbean) to the Bering Sea (Pribilof Islands)  
Remote duty and SCUBA first aid (NOAA 1991); current CPR and oxygen first aid  
Underwater photography; scanning electron microscope training  
Decapod taxonomy  
Extensive experience in construction, design, and maintenance of closed marine aquarium systems

### **Field Experience**

Halibut sampling and tagging, Gulf of Alaska, 1981  
Foreign fishing observer, 8 wk Korean fishing boat, Gulf of Alaska, 1982  
Offshore Dungeness crab sampling, Washington coast, summers 1983-86  
Pollock sampling, Gulf of Alaska, 6 wk R/V Miller Freeman, 1983  
King crab sampling, 9 wk R/V Miller Freeman, S.E. Bering Sea 1983-1984  
Dungeness crab survey, PISCES IV submersible, Washington 1987  
King crab sampling, 2 wk Port Moller, Alaska, 1990  
Crustacean and demersal fish sampling, 4 wk Prince William Sound, Alaska, 1991  
Invertebrate dive transects, 2 wk Prince William Sound, Alaska, 1995  
Porcelain crab sampling, 4 wk Panama, 1998  
Freshwater and marine biotic survey; 4 wk Sakhalin Island, 2001  
ROV survey, Olympic Coast Nat. Marine Sanctuary, 9 d, 2003  
Groundfish and invertebrate survey, Aleutian Islands, 3 wk, 2004