

# KATELYN M CASSIDY

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## EDUCATION

### 2005 - Present

M.S. - Fisheries Science (in progress) - GPA 3.88  
Oregon State University, Department of Fisheries and Wildlife

### 1998 - 2002

B.S. - Marine Biology, College of Charleston, Charleston, SC *Cum laude*  
B.S. - Biology, College of Charleston, Charleston, SC *Cum laude*

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## RESEARCH INTERESTS

My work is focused on examining aspects of life history and population dynamics for the ghost shrimp, *Neotrypaea californiensis*, in Washington and Oregon estuaries. I am currently developing and verifying a method for age determination for the shrimp using the extractable age pigment, lipofuscin, as a biomarker. This information will be used to develop age based models for growth and provide insight into population dynamics patterns where length based models have proven inaccurate.

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## PROFESSIONAL EXPERIENCE

2005 - Present	<b>Graduate Research Assistant</b> Oregon State University, Dept of Fisheries and Wildlife, Newport, OR
2004 - 2005	<b>Marine Fisheries Observer</b> A.I.S. Inc. - Maritime Observers, New Bedford, MA
2000 - 2003	<b>Kayak Guide / Marine Biologist</b> Lowcountry Kayak Company, Isle of Palms, SC
2000 - 2002	<b>Undergraduate Research Assistant</b> College of Charleston, Dept of Biology, Charleston, SC
Summer 2001	<b>Teaching Assistant - Lab Sciences</b> Talent Identification Program, Duke University, Davidson, NC
1999 - 2000	<b>Marine Biologist / Educator Intern (volunteer)</b> Charleston Explorer, Charleston, SC

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## PRESENTATIONS

**2008.** "Longevity of burrowing shrimp and what it means" Katelyn Cassidy\* & Brett Dumbauld. **Burrowing Shrimp Meeting 2008, Long Beach, WA.**

**2008.** "Use of extractable lipofuscin as an age biomarker to determine age structure of ghost shrimp (*Neotrypaea californiensis*) populations in West Coast estuaries" Katelyn Cassidy\* & Brett Dumbauld. **PERS, Newport, OR.** (Poster)

**2007.** "Age determination and assessment of *Neotrypaea californiensis* using extractable lipofuscin as an age biomarker " Katelyn Cassidy\* & Brett Dumbauld. **Estuarine Research Federation, Providence, RI.** (Poster)

**2007.** "Age determination and assessment of *Neotrypaea californiensis*" Katelyn Cassidy\* & Brett Dumbauld. **PCSGA Meeting, Welches, OR.**

**2007.** "Age determination and assessment of *Neotrypaea californiensis* using extractable lipofuscin as an age biomarker" Katelyn Cassidy\* & Brett Dumbauld. **Mamie Markham Scholarship Award Symposium 2007, Newport, OR.** (Poster)

**2007.** "Age determination and assessment of *Neotrypaea californiensis*" Katelyn Cassidy\* & Brett Dumbauld. **Hatfield Student Organization Symposium, Newport, OR.**

**2007.** "A look into age and growth of burrowing shrimp in west coast estuaries". Katelyn Cassidy\* & Brett Dumbauld. **Burrowing Shrimp Workshop 2007, Long Beach, WA.**

**2006.** "An examination of life history and behavior of burrowing shrimp to discover potential avenues for control in West Coast estuaries". Katelyn Cassidy\*, Brett Dumbauld, Anthony D'Andrea, and Patrick Luke. **PCSGA Meeting, Vancouver, WA.**

**2006.** "Age Determination of *Neotrypaea californiensis* using extractable lipofuscin as age biomarker". Katelyn Cassidy\* and Brett Dumbauld. **4<sup>th</sup> Annual RAFWE Symposium, OSU, Corvallis, OR.** (Poster)

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## **MEMBERSHIPS**

Estuarine Research Federation (ERF) – since 2007  
Pacific Estuarine Research Society (PERS) – since 2007  
Hatfield Student Organization - *Secretary*  
Fisheries and Wildlife Graduate Student Association, OSU

## **HONORS AND AWARDS**

- Best Graduate Student Poster – Estuarine Research Federation Meeting (2007)
- Mamie Markham Research Scholarship Award (2007)
- Golden Key Honor Society (2001)
- National Society of Collegiate Scholars (2001)
- Departmental Honors in Marine Biology (2002)
- Outstanding Student in Marine Biology (2002)

## **SKILLS AND QUALIFICATIONS**

- Microsoft Office Suite
  - S-plus, Sigma Plot, Statgraphics, FiSAT II, and PC-ORD 5.0 statistical software packages
  - Oregon Boaters Safety Certification (2005)
  - Small boat, hovercraft, and trailer handling
  - Sea Safety Training (2008)
  - CPR/First Aid Certification
  - 280+ days at sea
  - GPS data collection
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