Contact Information	DCXL Project Manager 415 20 th Street Oakland California 94612	510.987.0179 carly.strasser@ucop.edu www.carlystrasser.net	
Education	Massachusetts Institute of Technology/Woods Hole Oceanographic Institution		
	Ph.D. Biological Oceanography, March 2008 Dissertation: "Metapopulation Dynamics of the Softshell Clam, <i>Mya arenaria</i> "		
	University of San Diego		
	B.A., Marine Science with Biology emphasis, Summa Cum Laude, May 2001 Thesis: "Population structure of the Antarctic krill, <i>Euphausia superba</i> "		
Research &	California Digital Library, University of California Office of the President, Oakland CA		
PROFESSIONAL	DCXL Project Manager	July 2011 - present	
EXPERIENCE	The Digital Curation for Excel (DCXL) project will facilitate data management, sharing, and archiv- ing for earth, environmental, and ecological scientists. We will build an open source add-in for Mi- crosoft Excel that will assist scientists in preparing their Excel data for sharing. We are currently talking to scientists about what this might entail.		
	DataONE, based at National Center for Ecological Analysis & Synthesis, UC Santa Barbara		
	Postdoctoral Associate	September 2010 - August 2011	
	Engaging the scientific and data management community in the Data Observation Network for Earth (DataONE), a cyberinfrastructure that will provide universal access to environmental and ecological data. Advisor: Stephanie Hampton.		
	University of Alberta & Dalhousie University, Edmonton AB & Halifax NS, Canada		
	Postdoctoral Investigator	January 2009 - October 2010	
	Used theoretical and experimental approaches to understand the role of life stage in establishment of invasive copepods introduced via ballast water. Advisors: Mark Lewis (University of Alberta) and Claudio DiBacco (Dalhousie University & Bedford Institute of Oceanography).		
	Woods Hole Oceanographic Institution, Woods Hole MA		
	Postdoctoral Investigator	March 2008 - December 2008	
	Developed demographic models mark-recapture data. Advisor: 1	of the endangered North Atlantic right whale population based on Hal Caswell.	
	MIT-WHOI Joint Program, Boston & Woods Hole MA		
	PhD Candidate	June 2002 - March 2008	
	Combined experimental, field, and theoretical techniques to explore the metapopulation dynamics of the softshell clam, <i>Mya arenaria</i> . Advisors: Lauren Mullineax, Simon Thorrold, Mike Neubert.		
	Maric College, San Diego CA		
	Laboratory Manager	June 2001 - June 2002	
	Managed education laboratories for Biology, Anatomy, and Biochemistry courses. Generated bud- gets, ordered supplies, prepared and maintained materials for student laboratories.		

Mentoring Experience	Primary Advisor , DataONE & NCEAS Sarah Clark, UCSB masters student, Bren School	of Environmental Science & Management	
	Primary Advisor, DataONE 2011 Summer Internship Program Michelle Chang, UCSB masters student, Bren School of Environmental Science & Management		
	Co-Advisor, DataONE 2011 Summer Internship Program Melody Basham, Arizona State University PhD student, Mary Lou Fulton Teacher's College		
	Co-Advisor , DataONE 2011 Summer Internship Program Shan Huang, University of Georgia PhD student, Odum School of Ecology		
	Co-Advisor , Wood Hole Oceanographic Institut Alexis Jackson, Undergraduate Minority Fellow, S	ion Summer 2005	
	Advisor, Wood Hole Oceanographic Institution Victoria Stearns & Stephanie Pommrehn, High se	chool interns, Summer 2004 & 2006	
Teaching Experience	Teaching Assistant & Guest Lecturer Dynamics of Oceanography, August 2010	Dalhousie University, Halifax NS	
	Two week intensive course for 20 students that included 7 field trips aboard a small vessel. Pre- pared supplies for and oversaw labs, organized research vessel trips, and assisted students in report preparation.		
	Instructor	University of Alberta, Edmonton AB	
	Marine Science, Winter term 2009 & 2010 Taught third and fourth year undergraduates about the ecological, physical, biological, and chemical components of the marine environment.		
	Guest Lecturer Models in Ecology, August 2009	Bamfield Marine Sciences Centre, Bamfield BC	
	Instructor COSEE Program, Fall 2006	Mullen Hall Elementary School, Falmouth MA	
	Participant in NSF-sponsored Centers for Ocean Sciences Education Excellence (COSEE) program, intended to establish a relationship between marine scientists and school teachers.		
	Teaching Assistant & Guest Lecturer Biological Oceanography, Spring 2004 & 2005	Woods Hole Oceanographic Institution	
	Instructor Introduction to Biology, 2001 - 2002	Maric College, San Diego CA	
	Taught lecture and laboratory components. Developed curriculum, prepared lectures, organized field trips, and developed testing and other assessment materials.		
	Teaching Assistant Invertebrate Zoology, 2000	University of San Diego, San Diego CA	

UPCOMING ACTIVITIES	Presenter & Mentor, SACNAS 2011 National Conference (Advancing Hispanics/Chicanos & Native Americans in Science), October 2011
	Presenter, Environmental Information Management Conference in Santa Barbara CA September 2011
	Symposium Organizer, ESA 2012 Conference, "21st century Ecology serving society: Growing pains of an adolescent giant", August 2012
Service & Professional Activities	Organizer & Presenter , ESA 2011 Conference Workshop, "How to Manage Ecological Data for Effective Use and Re-use: A Workshop for the Early Career Scientist", August 2011
	Reviewer , Conservation Genetics, Journal of Sea Research, Marine Ecology Progress Series, Journal of Marine Biology, Marine Biology Research, Aquatic Biology, Journal of Experimental Marine Biology and Ecology, NSF Proposals
	Workshop Organizer, "NCEAS Servers and the Command Line" at NCEAS, 2010; "Subversion: version control" at NCEAS, 2010; "Introduction to Morpho and the Knowledge Network for Biocomplexity" at NCEAS, 2010; "Data Management Plans: What you need to know before your next NSF proposal" at NCEAS
	Workshop Participant, COMPASS (Communication Partnership for Science and the Sea) train- ing 2011; "Population Modelling" at NCEAS, 2010; "NCEAS Servers and the Command Line" at NCEAS, 2010; "Subversion: version control" at NCEAS, 2010; "Introduction to Morpho and the Knowledge Network for Biocomplexity" at NCEAS, 2010; "Teaching Enhancement Series", spon- sored by the University of Alberta Centre for Teaching and Learning, 2010
	Member , American Society of Limnology and Oceanography (2003 - present); Ecological Society of America (2007 - present); Society for Mathematical Biology (2007 - 2010); Student Representative Committee to the Joint Program in Biological Oceanography, WHOI (2007); Biology Department Graduate Student Representative (2004)
Computer Skills	Extensive experience with MATLAB, R, IATEX, Microsoft Office, and Adobe Creative Suite. Some experience with SYSTAT, Mathematica, and XML. Active Twitter user (@carlystrasser)
Publications	Strasser, CA, MA Lewis, and C DiBacco. 2011. A mechanistic model for understanding invasions: Using the environment as a predictor of population success. In press, <i>Diversity and Distributions</i> . doi: 10.11111/j.1472-4642.2011.00791.x
	Strasser, CA, M Neubert, H Caswell, and C Hunter. 2010. Contributions of high and low quality patches to a metapopulation with stochastic disturbance. In press, <i>Theoretical Ecology</i> . doi:10.1007/s12080-010-0106-9
	Strasser, CA, and PH Barber. 2009. Limited genetic variation and structure in softshell clams (<i>Mya arenaria</i>) across their native and introduced range. <i>Conservation Genetics</i> 10: 803-814. doi:10.1007/s10592-008-9641-y
	Strasser, CA, LS Mullineaux, and SR Thorrold. 2008. Temperature and salinity effects on elemental uptake in the shells of larval and juvenile softshell clams (<i>Mya arenaria</i>). <i>Marine Ecology Progress Series</i> 370: 155-1639. doi:10.3354/meps07658
	Strasser, CA, LS Mullineaux and BD Walther. 2008. Growth rate and age effects on Mya arenaria shell chemistry: implications for biogeochemical studies. Journal of Experimental Marine Biology

	and Ecology 355: 153-163. doi:10.1016/j.jembe.2007.12.0
	Strasser, CA SR Thorrold, VR Starczak, and LS Mullineaux. 2007. Laser ablation ICP-MS analysis of larval shell in softshell clams (<i>Mya arenaria</i>) poses challenges for natural tag studies. <i>Limnology</i> & Oceanography: Methods 5: 241-249.
Publications Submitted or in Preparation	Rajakaruna, H, CA Strasser and MA Lewis. A stage-structured, temperature-dependent model of invasive copepods: Implications for <i>Pseudodiaptomus marinus</i> . In preparation for <i>Biological Invasions</i> .
	Strasser, CA, H Caswell and M Neubert. Sensitivity analyses of a subsidized metapopulation model for a harvested shellfish population. In preparation for <i>Natural Resource Modeling</i> .
	Caswell, H, CA Strasser and C Hunter. An update on the demography of the North Atlantic right whale: New models and new patterns. In preparation for <i>Ecology</i> .
	White, MM, CA Strasser and LS Mullineaux. Spatial and temporal variations in trace elemental signatures of juvenile soft-shell clams (<i>Mya arenaria</i>). In preparation for <i>Estuarine, Coastal and Shelf Science</i> .
CONFERENCE PRESENTATIONS	"Metadata Basics" & "Quality Control and Quality Assurance". 2011. Presentations as part of Ecological Society of America Workshop on Managing Ecological Data, Annual Meeting in Austin TX.
	"Primer for Data Management and Best Practices". 2011. Presentation as part of Ecological Society of America Workshop on Creating Data Management Plans, Annual Meeting in Austin TX.
	"Ecological & environmental data management: Educating scientists from the undergrad to the Emeritus". 2011. Fourth Annual Summer Institute on Data Curation, University of Illinois Graduate School of Library and Information Science, Champaign IL.
	Strasser, CA. 2011. A mechanistic model for understanding invasions: Using the environment as a predictor of population success. Canadian Aquatic Invasive Species Network Final Meeting, Quebec City QU.
	Strasser, CA and M Lewis. 2010. Parameterization of a temperature- and salinity-dependent model for invasive copepods: experiments with <i>Eurytemora affinis</i> . Canadian Aquatic Invasive Species Network Annual General Meeting, Victoria BC.
	Strasser, CA, H Rajakaruna, and M Lewis. 2009. A stage-structured, temperature-dependent model of invasive copepods: Implications for <i>Pseudodiaptomus marinus</i> . Canadian Aquatic Invasive Species Network Annual General Meeting, Halifax NS (2nd place, best poster) and Marine Bioinvasions Conference, Portland OR.
	Strasser, CA, H Caswell, and C Hunter. 2008. An update on the demography of the North Atlantic right whale: New models and new patterns. North Atlantic Right Whale Consortium Annual Meeting, New Bedford MA.
	Strasser, CA, H Caswell, and C Hunter. 2008. Demographic models for the North Atlantic right whale: How viable is the population? WHOI Postdoctoral Symposium, Woods Hole MA.
	Strasser, CA, H Caswell, and M Neubert. 2008. Sensitivity analyses of a subsidized metapopulation model for a harvested shellfish population. Ecological Society of America Annual Meeting,

Milwaukee WI.

	Strasser, CA, M Neubert, C Hunter, and H Caswell. 2007. Stochastic disturbance and the impact of high and low quality patches on metapopulation growth rate. Ecological Society of America & Society for Mathematical Biology Annual Meetings, San Jose CA.
	Strasser, CA, LS Mullineaux, and SR Thorrold. 2006. LA-ICPMS burns through larval shell of <i>Mya</i> arenaria, posing challenges for connectivity studies. ASLO Ocean Sciences Conference, Honolulu, HI.
	Strasser, CA, LS Mullineaux and S Mills. 2004. Trace Element Composition of Larval Bivalve Shells Reflects Natal Environment. 2004 ASLO Ocean Research Conference, Honolulu, HI and Ecological Society of America Annual Meeting, Portland OR.
Honors & Awards	National Defense Science and Engineering Graduate Fellowship (2002-2005), National Barry M. Goldwater Scholarship recipient (1999-2001), University of San Diego (USD) Deans List (1997-2001), Outstanding Scholarship for Marine Science Department, USD (2001), Outstanding Research for Marine Science Department, USD (2001), USD Associated Students Research Grant (1999), USD Trustee Scholarship Recipient (1997-2001)
Outreach & Community Involvement	Volunteer, Fighting Back Mentor Program, Santa Barbara CA (2010 - present); Volunteer, Graduates at Alberta Mathematics Etc. (GAME) in the Schools Outreach program at University of Alberta (2009 - 2010); Volunteer, Big Brothers and Big Sisters of the Cape and Islands (2005 2009); Judge, Falmouth Middle School Science Fair (2009); Volunteer, Cape Cod Center for Women (2008); Judge, Falmouth Academy Science Fair (2007 - 2008)