CHRISTINE L. HARVEY

Current Position.- Graduate Research Assistant, University of Miami, Rosenstiel School of Marine and Atmospheric Science, Department of Marine Ecosystems and Society, 4600 Rickenbacker Causeway, Miami, FL 33149. (305)421-4029; (305)421-4791 fax; charvey@rsmas.miami.edu. Website: http://femar.rsmas.miami.edu/harvey.html

(a) Professional Preparation

University of Miami RSMAS		Marine Biology & Fisheries	in progress
University of Maine	MS	Spatial Information Science & Engineering	2002
The Ohio State University	BS	Zoology	1994

Research Interests.- Theory and application of spatial quantitative methods for investigating the responses of marine populations to exploitation and environmental changes.

(b) Appointments

2011-2014	Graduate Research Assistant, University of Miami RSMAS
2006-2011	Systems Engineer, Boeing Aerospace Corporation, Huntsville, AL
2002-2006	Software Engineer, Science Applications International Corp., Chantilly, VA

Military Experience

U. S. Army Reserves	JFK Special Warfare Center, Fort Bragg	Specialist E-4	1993-1997
U.S. Army Active	Operation Joint Endeavor, Bosnia	Psychological Ops	1996-1997

Security Clearances

DoD (Department of Defense), Secret	last updated October 4, 2007
DHS (Department of Homeland Security), Final Suitability	NACLC last updated July 9, 2007

Licenses

FAA Private Pilot License
PADI Advanced Open Water Diver, NASDS NITROX Diver, PADI Open Water Diver
YMCA Rescue Diver

(c) Professional Experience

The Boeing Company (2006 – present, on academic leave)
Department of Advanced Geospatial Modeling and Simulation:

- Perform geospatial engineering supporting the Phantom Works CEMSA project (*Complex Events Modeling Simulation and Analysis*)
- Developed prototype P&F (*Plug & Fight*) Kit ICD (*Interface Control Drawing*) for IBCS (*Integrated Battle Command System*) proposal effort resulting in a contract award of $577 M. The P&F Kit ICD, documented data exchanges between system components
- Voting member of the OGC (*Open Geospatial Consortium*)

- Performed spatial analysis for SBInet verification engineering using GIS, this analysis included an Iridium Communications Coverage Analysis and a Probability of Apprehension Analysis
- Conducted spatial analysis supporting the placement of physical assets for P-28 (Mobile Tower VSAT Communications LOS Analysis) resulting in design validation

SAIC (2002-2006)
Space and Geospatial Intelligence Business Unit:

- Developed GIS tools to support the DNC (Digital Nautical Charts) production using VB.Net and ArcObjects, which resulted in a productivity increase
- Supported Department of Defense DARPA project (POSSE) as test engineer and software developer resulting in a more robust software product
- Updated LIDAR tools from Avenue to ArcObjects and created new raster processing tools allowing developed algorithms to be used in a more up-to-date software platform