

BIOGRAPHICAL SKETCH

Jude K. Apple
Shannon Point Marine Center
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A. Professional Preparation:

Tufts University	B.S. Biology/Education (1987)
Univ. of North Carolina Wilmington	M.S. Marine Biology (1998)
Univ. of Maryland	Ph.D. Marine Estuarine & Env. Science (2005)
Postdoc: U.S. Naval Research Laboratory	Oceanography (2005-2007)

B. Appointments:

1/08 - present Research Associate, Shannon Point Marine Center, Western Washington University, WA

5/06 – 10/6 Visiting Scientist, Belle Baruch Institute for Marine and Coastal Sciences, University of South Carolina, Georgetown SC.

7/05 - 12/07 Postdoctoral Fellow, National Research Council, U.S. Naval Research Laboratory, Washington DC

8/04 - 12/07 Visiting Research Faculty/Assistant Research Scientist, University of Maryland Horn Point Laboratory, Cambridge MD

8/99 – 8/04 Graduate Research Assistant, University of Maryland Horn Point Laboratory, Cambridge MD

6/96 – 7/98 Senior Research Technician & Crew Chief, Environmental Monitoring and Assessment Program (EMAP), NOAA/NOS, Charleston, SC

9/95 – 6/98 Graduate Research and Teaching Assistant, Biological Sciences, University of North Carolina at Wilmington

9/94 – 9/95 Field Research Technician /Research Diver, Geochemical and Environmental Research Group (GERG), Texas A&M University, College Station TX.

C. Recent publications:

Apple, J. K., E. M. Smith and T. J. Boyd, 2008. Temperature, salinity, nutrients and the coherence of bacterial production and chlorophyll-a in estuarine systems. *J Coast Res* 55:59-75

Apple, J. K. and P. A. del Giorgio, 2007. Organic substrate quality as the link between bacterioplankton carbon consumption and growth efficiency in a temperate salt-marsh estuary. *ISME Journal* 1(8)1-14

Apple, J. K., P. A. del Giorgio, and W. M. Kemp, 2006. Temperature regulation of bacterioplankton production, respiration, and growth efficiency in a salt-marsh estuary. *Aquat Microb Ecol* 43:243-254.

Apple, J.K., P. A. del Giorgio, and R. I. E. Newell (2004). The effects of system-level nutrient enrichment on estuarine bacterioplankton communities. *J Coast Res* 35:11-133.

Boyd, T. J., Smith, D. C., Apple, J. K., Hamdan, L. J., Osburn, C. L., and M. T. Montgomery, 2008. Evaluating PAH biodegradation relative to bacterial carbon demand in coastal ecosystems: Are PAHs truly recalcitrant? In: *Microbial Ecology Research Trends*. Ed: T. Van Dijk, NOVA Science Publishers. ISBN 978-1-60456-179-1.

D. Synergistic Activities: 1) I am currently working with Northwest Indian College as an advisor in their science internship program and coordinating the research program investigating seasonal hypoxia in Bellingham Bay. This research seeks to elucidate the ecological and cultural impact of hypoxia and degraded water quality on Lummi reservation and its residents. 2) I have and will continue to be actively involved as a mentor in the NSF-sponsored Research Experience for Undergraduates (REU) and Multicultural Initiative in the Marine Sciences: Undergraduate Participation (MIMSUP) programs based at Shannon Point Marine Center.

E. Collaborators & Other Affiliations:

i. Recent co-authors:

1. Dr. Byron Crump, Horn Point Laboratory, Univ. of Md.
2. Dr. Leila Hamdan, US Naval Research Lab, Washington DC
3. Dr. Micheal T. Montgomery, US Naval Research Lab, Washington DC
4. Dr. Christopher Osburn, US Naval Research Lab, Washington DC
5. Dr. Erik M. Smith, Baruch Marine Research Institute, University of South Carolina

ii. Advisors and sponsors

1. Dr. Thomas Boyd, US Naval Research Lab, Washington DC (postdoc sponsor/co-author)
2. Dr. Paul del Giorgio (Ph.D advisor, co-author), University of Quebec at Montreal
3. Dr. W. Michael Kemp (Ph.D advisor, co-author), Horn Point Laboratory, Univ. of Md.
4. Dr. Suzanne Strom, SPMC, Western Washington University (postdoc sponsor)