TERRY E. WHITLEDGE

Education:
Ph.D., Oceanography, University of Washington, 1972
M.S., Chemistry, Western Illinois University, 1966
B.S., Chemistry, Western Illinois University, 1964

Professional Positions:
2005- , Director, Institute of Marine Science, University of Alaska Fairbanks
1998-, Professor, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks
1993-1996, Acting Director, Marine Science Institute, The University of Texas at Austin
1992-1998, Professor, Department of Marine Science, The University of Texas at Austin
1990-1992, Associate Professor, Depart. of Marine Science, The University of Texas at Austin
1986-1998, Senior Research Scientist, Marine Science Institute, The Univ. of Texas at Austin
1980-1986, Guest Investigator, Woods Hole Oceanographic Institution
1977-1986, Oceanographer, Brookhaven National Laboratory
1975-1977, Associate Oceanographer, Brookhaven National Laboratory

Research Interests:
Automated nutrient chemistry of seawater
Nutrient cycles associated with uptake and regeneration processes in the marine environment
Moored chemical and biological instrument arrays
Interaction of biological populations with the chemical and physical dynamics in marine ecosystems

Significant Experience and Awards:
Fleet Improvement Committee (FIC), University-National Oceanographic Laboratory System (UNOLS), 2000-2006.
Member, Scientific Review Panel, Lower Colorado River Authority-San Antonio Water System Project, 2003-2008
Co-Chair, Steering Committee, OAII/ARCSS Biological Initiative in the Arctic: Western Arctic Shelf-Basin Interactions (SBI)
Arctic Icebreaker Coordinator Committee (AICC), University-National Oceanographic Laboratory System (UNOLS), 1998-2003
President, Arctic Division, American Association for the Advancement of Science, 2001-2002
National Science Foundation Arctic Service Award, August 2000
Science Advisory Committee, Submarine Arctic Science Ice Expeditions (SCICEX)

Recent Publications:
Childers, A.R. and T.E. Whitledge. 2005. Seasonal and interannual variability in the distribution of nutrients and chlorophyll *a* across the Gulf of Alaska shelf: 1998-2000, Deep-Sea Research II 52:193-216.
Lee, S.H. and T.E. Whitledge. 2005. The primary and new production in the deep Canadian Basin in 2002. Polar Biology 28:190-197.

Rho, T.K., T.E. Whitledge and J.J. Goering. 2005. Interannual variations of nutrients and primary production over the southeastern Bering Sea shelf during the spring of 1997, 1998 and 1999. Oceanology 45:402-416.

Merico, A., T. Tyrrell, E.J. Lessard, T. Oguz, P.J. Stabeno, S.I. Zeeman and T.E. Whitledge. 2004. Modelling phytoplankton succession on the Bering Sea shelf: role of climate influences and trophic interactions in generating *Emiliania huxleyi* blooms 1997-2000. Deep-Sea Research I 51:1803-1826.

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Walsh, J.J., D.A. Dieterle, W. Maslowski and T.E. Whitledge. 2004. Decadal shifts in biophysical forcing of marine food webs in the Arctic: the numerical consequences. Journal of Geophysical Research 109:C05031, 30 pp.

Tanaka, T., L. Guo, C. Deal, N. Tanaka, T.E. Whitledge and A. Murata. 2004. N deficiency in a well-oxygenated cold bottom water over the Bering Sea shelf: influence of sedimentary denitrification. Continental Shelf Research 24:1271-1283.

Atkinson, L., D. Hebert, C. Measures, N. Slowey, T. Whitledge, C. Reimers, R. Benner and J. Coburn. 2003. First-year performance assessment of SWATH research ship. EOS. 84: 255, 257.

Flint, M.V., I.N. Sukhanova, A.I. Koplylov, S.G. Poyarkov and T.E. Whitledge. 2002. Plankton distributions associated with frontal zones in the vicinity of the Pribilof Islands. Deep-Sea Research II 49:6069-6093.

Kachel, N.B., G.L. Hunt, S.A. Salo, J.D. Schumacher, P.J. Stabeno and T.E. Whitledge. 2002. Characteristics and variability of the inner front of the southeastern Bering Sea. Deep-Sea Research II 49:5889-5909.

Stabeno, P.J., N.B. Kachel, J.D. Schumacher and T.E. Whitledge. 2002. Variability of physical and chemical characteristics along the 70 meter isobath of the southeastern Bering Sea. Deep-Sea Research II 49:5931-5943.

Weingartner, T.J., K. Coyle, B. Finney, R. Hopcroft, T.E. Whitledge, R. Brodeur, M. Dagg, E. Farley, D. Haidvogel, L. Haldorson, A. Herman, S. Hinckley, J. Napp, P. Stabeno, T. Kline, C. Lee, E. Lessard, T. Royer and S. Strom. 2002. The Northeast Pacific GLOBEC Program: Coastal Gulf of Alaska. Oceanography. 15:48-63.

Dunton, K.H., B. Hardegree, and T.E. Whitledge. 2001. Response of estuarine marsh vegetation to interannual variations in precipitation. Estuaries 24:851-861.

Stockwell, D.A., T.E. Whitledge, S.I Zeeman, K.O. Coyle, J.M. Napp, R.D. Brodeur, A.I. Pinchuk and G.H. Hunt, Jr. 2001. Anomalous conditions in the southeastern Bering Sea, 1997: nutrients, phytoplankton and zooplankton. Fish. Oceanogr. 10:99-116.

Muench, R.D., J.T. Gunn, T.E. Whitledge, W. Smethie and P. Schlosser. 2000. An Arctic Ocean cold core eddy. J. Geophys. Res.105:23997-24006.

Cooper, L.W., G.F. Cota, L.R. Pomeroy, J.M. Grebmeier and T.E. Whitledge.m 1999. Modification of NO, PO and NO/PO during flow across the Bering and Chukchi shelves:Implications for use as Arctic water mass tracers. J. Geophys. Res. 104:7827-7836.

Coachman, L.K., T.E. Whitledge and J.J. Goering. 1999. Silica in Bering Sea deep and bottom water. In: T.R. Loughlin and K. Ohtani (editors), The Bering Sea: Physical, Chemical and Biological Dynamics, Univ. Of Alaska Sea Grant, Fairbanks, Alaska, pp. 285-309.