

LEROY E. ANDERSON

Chemist

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Education:

<u>Degree</u>	<u>Year</u>	<u>Major</u>	<u>Institution</u>
B.S.	1976	Biology	University of Minnesota - Duluth

Employment:

1970 -Present U.S. EPA, Duluth , MN

Research / Administrative Interests and Skills:

Work within the Eco Research Branches of MED and GED participating in numerous scientific surveys of both the Great Lakes and Gulf of Mexico. Specializing in collection and quantitative inorganic/organic analyses of fresh water or marine environmental samples. Responsible for: selection and procurement, use, training, maintenance, and troubleshooting of inorganic and elemental scientific instrumentation. Method development for trace elements and nutrients

Selected Appointments/Honors/Major Awards:

10/06/04 NHEERL Goal 4 Award: Science Integration - InterDivisional / Laboratory Research
For outstanding efforts in the development of research plans to guide the science needed to address the hypoxia problem in the Gulf of Mexico

02/05 Peer on the spot award. In recognition for Assistance with Maintenance of R/V Lake Explorer

03/05 Superior Accomplishment Recognition Team Award. In Recognition for Excellent 2004 Field Safety Record and Good Practices

Selected Publications:

- Tietge, JE, GW, Holcombe, KM, Flynn, PA, Kosian, JJ, Korte, LE, Anderson, DC, Wolf, and SJ, Degitz. (2005). Metamorphic inhibition of *Xenopus laevis* by sodium perchlorate: effects on development and thyroid histology. *Environmental Toxicology and Chemistry*, 24:926-933.
- Detenbeck N.E. , C.M. Elonen, D. L. Taylor, L. E. Anderson, T. M. Jicha, and S. L. Batterman. 2004. Region, Landscape, and Scale Effects on Lake Superior Tributary Water Quality. *Journal of American Water Resources Assoc.* 03021R
- Detenbeck, N.E., C.M. Elonen, D.L. Taylor, L.E. Anderson , T.M. Jicha, and S.L. Batterman. 2003. Effects of hydrogeomorphic region, catchment storage, and mature forest on baseflow and snowmelt stream water quality in second-order Lake Superior Basin tributaries. *Freshwater Biology*, (2003) 48:912-927. 3974
- Detenbeck, N.E., C.M. Elonen, D.L. Taylor, L.E. Anderson , T.M. Jicha, and S.L. Batterman. 2002. Effects of hydrogeomorphic region, watershed storage, and forest fragmentation on baseflow and snowmelt stream water quality. II. Comparison of effects in second- vs third order Lake Superior Basin tributaries. *Freshwater Biology*. 3975
- Knuth, M.L., L.J. Heinis, and L.E. Anderson. 2000. Persistence and distribution of azinphos-methyl following application to littoral enclosure mesocosms. *Ecotoxicology and Environmental Safety*, 47:167-177. 3459
- Ankley, G.T., R.A. Hoke, D.A. Benoit, E.N. Leonard, C.W. West, G.L. Phipps, V.R. Mattson, and L.E. Anderson. 1993. Development and evaluation of test methods for benthic invertebrates and sediments: Effects of flow rate and feeding on water quality and exposure conditions. *Archives of Environmental Contamination and Toxicology*, 25:12-19. 2657