**Jacques Finlay**

Professor, Department of Ecology, Evolution and Behavior, University of Minnesota

B.S., Natural Resources, with honors, 1990. University of New Hampshire, Durham, New Hampshire

Ph.D., Integrative Biology, 2000. University of California, Berkeley, California

Jacques Finlay will be responsible for project coordination, mentoring the junior scientists associated with the project, and coordination of all activities with PI’s, educators and watershed management organizations. Throughout his career, Dr. Finlay has studied how watershed management practices influence carbon, nitrogen, phosphorus, and mercury processing in aquatic ecosystems. His recent work is focused on water quality improvement via improved understanding and management of sources pollutants in urban and rural ecosystems. He has mentored 12 graduate students and 11 post docs in his career. In the proposed project, he and co investigators are committed to connecting research and technology to environmental education via unique partnership with students, educators, and watershed scientists.

**Representative publications include**

*Hansen, A.T., C. Dolph, E.P. Foufoula-Georgiou, and J.C. Finlay. 2018.* ***Contribution of wetlands to nitrate removal at the watershed scale.*** *Nature Geoscience 11(2): 127-132*

*Janke, B., J.C. Finlay, and S.E. Hobbie. 2017.* ***Trees and Streets as Drivers of Urban Stormwater Nutrient Pollution****. Environmental Science & Technology. 51(17): 9569-9579*

*Hobbie, S.E., J.C. Finlay, D. Millet, B.D. Janke, L.A. Baker, and D. Nidzgorski. 2017.* ***Contrasting nitrogen and phosphorus budgets in urban watersheds and implications for managing urban water pollution****. Proceedings of the National Academy of Sciences 114(16): 4177–4182*

*Finlay, J.C., G.E. Small, and R.W. Sterner. 2013.* ***Human influences on nitrogen removal in lakes****. Science.342 (6155),247-250. DOI:10.1126/science.1242575.*

*Keeler, B.L., S. Polasky, K.A. Brauman, K.A. Johnson, J.C. Finlay, A. O’Neill, K. Kovacs, and B. Dalzell. 2012.* ***Linking water quality and well-being for improved assessment and valuation of ecosystem services.*** *Proceedings of the National Academy of Sciences 109(45): 18619-18624*

**Organization Description**

The University of Minnesota is one of the largest, most comprehensive, and most prestigious public universities in the United States (http://www1.umn.edu/twincities/01\_about.php). The labs and offices of the investigators are equipped with the necessary space and facilities needed for the proposed activities.