

## BUDGET NARRATIVE

### Salaries/Personnel (\$81,480)

PI – Thea Whitman will commit 10% effort in each year. The PI will be in charge of overall oversight and management of the project.

Research Assistant – A graduate research assistant (RA) is requested at 50% with a 23% fringe rate for years 1, 2, and 3. The RA will be responsible for collecting field data, performing the chemical analyses in year 1 and 2, and the microbial community characterization analyses in year 3. The amount requested in Year 1 is \$27,160 (\$22,081 + \$5,079 fringe), Year 2 is \$27,160 (\$22,081 + \$5,079 fringe) and Year 3 is \$27,160 (\$22,081 + \$5,079 fringe).

Year 1 - \$27,160

Year 2 - \$27,160

Year 3 - \$27,160

**Personnel Total - \$81,480**

### Supplies and Travel (\$15,000)

Supplies – Supplies are requested at \$4,196 in Year 1 and \$5,000 in Years 2 and 3. This includes materials for and the analysis of microbial biomass (\$10.63/sample), microbial DNA extraction, amplification, library preparation, and sequencing at the UW Madison Biotechnology Center (\$20/sample), nutrient, mineral N, particle size, P and K, CEC, and soil C and N analyses (\$35.60/sample) on 192 samples in total over the 3 years. In Years 1 and 2, we will be performing the chemical analyses and in Year 3 we will be performing the microbial community characterization analyses. In addition, in Year 1, we will purchase an ISFET electrode (\$540) and pH-sensitive fluorescent dyes (\$250).

Travel - Travel funds requested of \$804 in Year 1 to research sites to perform field operations. One day, roundtrip to Spooner Agricultural Research Station is \$259 (518 miles x \$.50/mile). Two-day, roundtrip to Rhinelander, Kemp and Peninsula Agricultural Research Stations is \$298 (595 miles x \$.50/mile), and food and lodging \$96 (2 people @ \$18/person/night lodging at Kemp Station; \$30/diem/person). One-day, roundtrip to Marshfield, Hancock, Arlington and Dairy Forage Agricultural Research Stations is \$147 (294 miles x \$.50/mile). One-day, roundtrip to West Madison Agricultural Research Station is \$4 (8 miles x \$.50).

Year 1 - \$5,000

Year 2 - \$5,000

Year 3 - \$5,000

**Supplies and Travel Total - \$15,000**

### Total Project Request (\$96,480)

The total project request is \$96,480. The total request for Year 1 is \$32,160; Year 2 is \$32,160 and Year 3 is \$32,160.

**Total Year 1 - \$32,160**

**Total Year 2 - \$32,160**

**Total Year 3 - \$32,160**

**Total Request - \$96,480**