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A Comparison of Aquatic Nitrate and Phosphate Levels Between Two Golf Courses in the Bloomington-Normal Community

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Oral Presentation O2.1

**A COMPARISON OF AQUATIC NITRATE AND PHOSPHATE LEVELS BETWEEN
TWO GOLF COURSES IN THE BLOOMINGTON-NORMAL COMMUNITY**

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Two golf courses in the Bloomington-Normal community in central Illinois were tested for nitrate and phosphate concentrations in their ponds. One golf course (The Den) is Audubon International certified while the other golf course (Ironwood) is not. This study tries to establish if differing environmental management practices can contribute to significantly different concentrations of nutrients. It was determined that the nitrate concentration was higher at the non-certified golf course, while the phosphate concentrations at both courses were essentially negligible. The implications of these findings are discussed and were presented to both golf courses. It is the hope of this paper that the non-certified golf course will seek improved management practices, with regard to environmental impact, after observing the differences in nutrient concentrations.