

Kieser & Associates Environmental Engineering

James Dykstra – Civil / Environmental Concentration

Abstract

Kieser & Associates Environmental Science and Engineering is a unique team of scientists, engineers and economists who find creative solutions for environmental problems.

Introduction

In the summer of 2009, I worked for Kieser & Associates Environmental Science and Engineering as a field technician. My tasks and responsibilities were quite varied, and I performed everything from field work and manual labor to office work and data entry.



Services Provided by K&A

K&A is the only consultant to conduct water quality trading in the state of Michigan. The Environmental Trading Network began in 1998 to support the Kalamazoo River (MI) Water Quality Trading Demonstration Project. In the past 5 years the Network has grown to include international representation.

Services also provided by K&A include:

- Engineering design
- Hydro-geological services
- Watershed, water resources, and lake management
- Ecological restoration



Projects & Responsibilities

My responsibilities included:

- Programming and maintenance of ISCO water sampling equipment.
- Exotic/invasive species removal.
- Collection, shipping, and analysis of soil and ground water samples.
- Stormwater treatment project.
- Analysis and manipulation of laboratory data of water and soil samples using excel.
- Wetland delineation.
- Streambank restoration projects.

Purple Loosestrife



Blue Vervain



Before



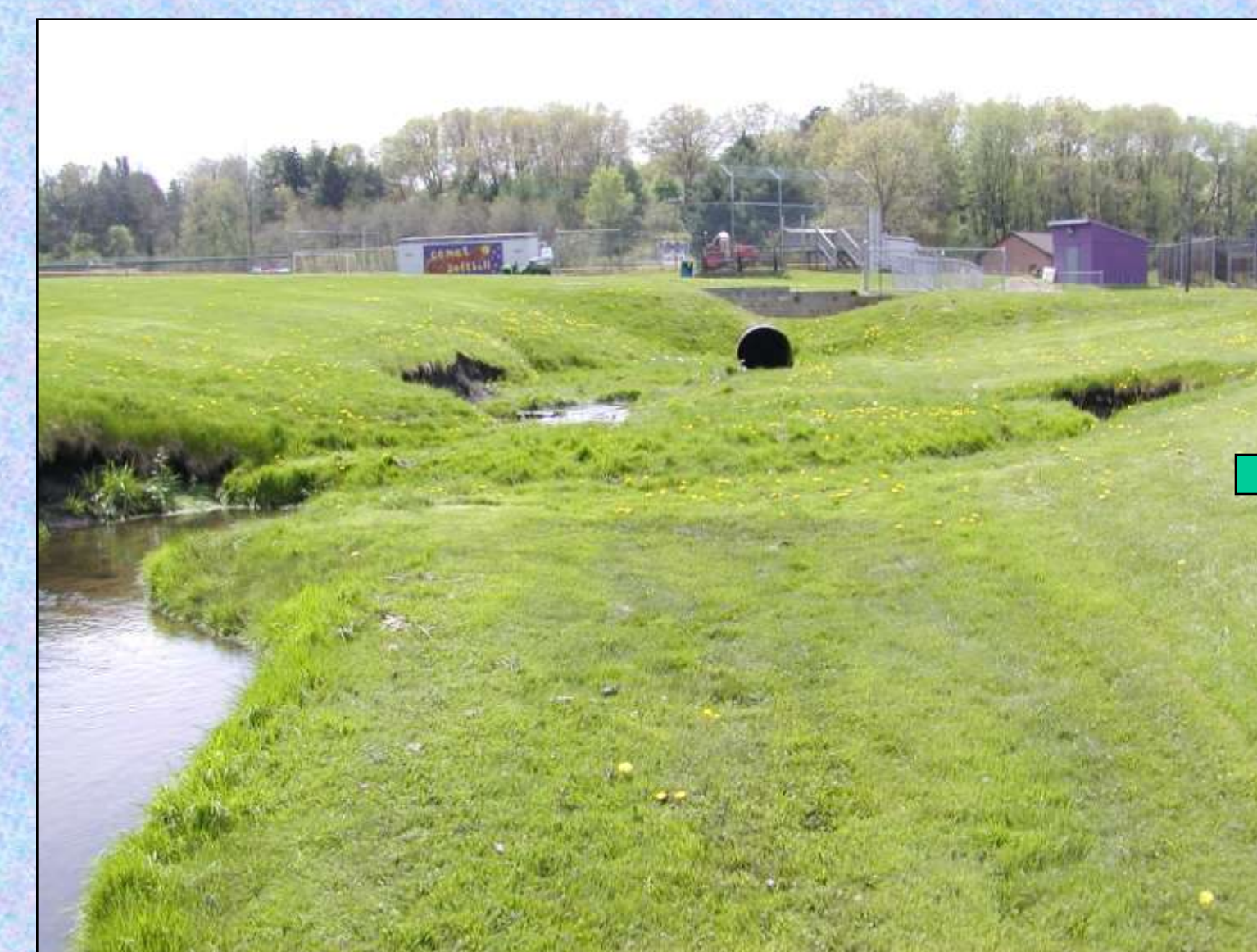
After



Conclusions

This internship provided me with practical experience in the environmental science and engineering field. Water quality, wetlands, and native ecosystem preservation and restoration are extremely important issues as water is a universal necessity. I obtained practical, real-life experience dealing with water and environmental quality, and I have a new realization of the important applications of environmental science and engineering.

Before



After

