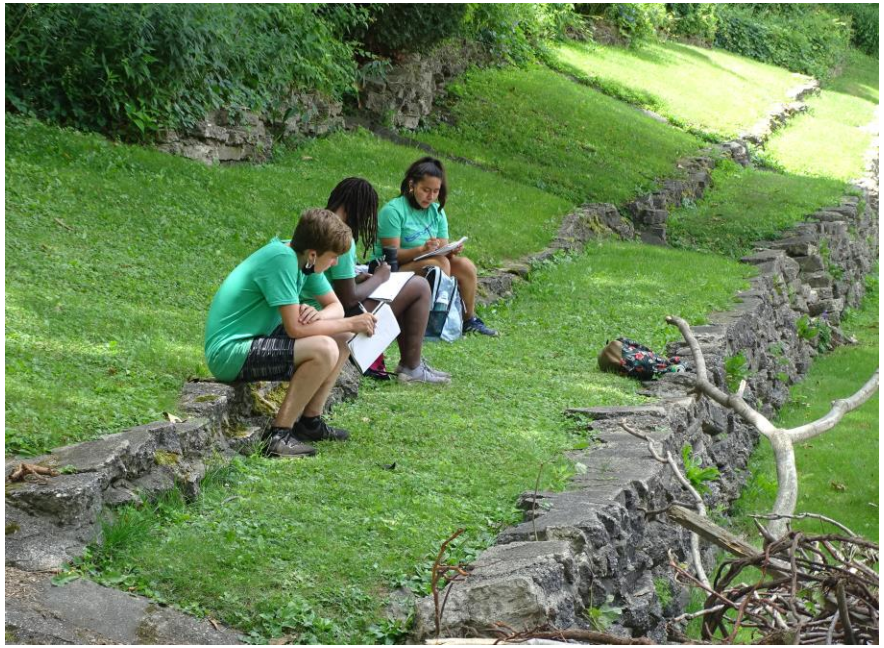
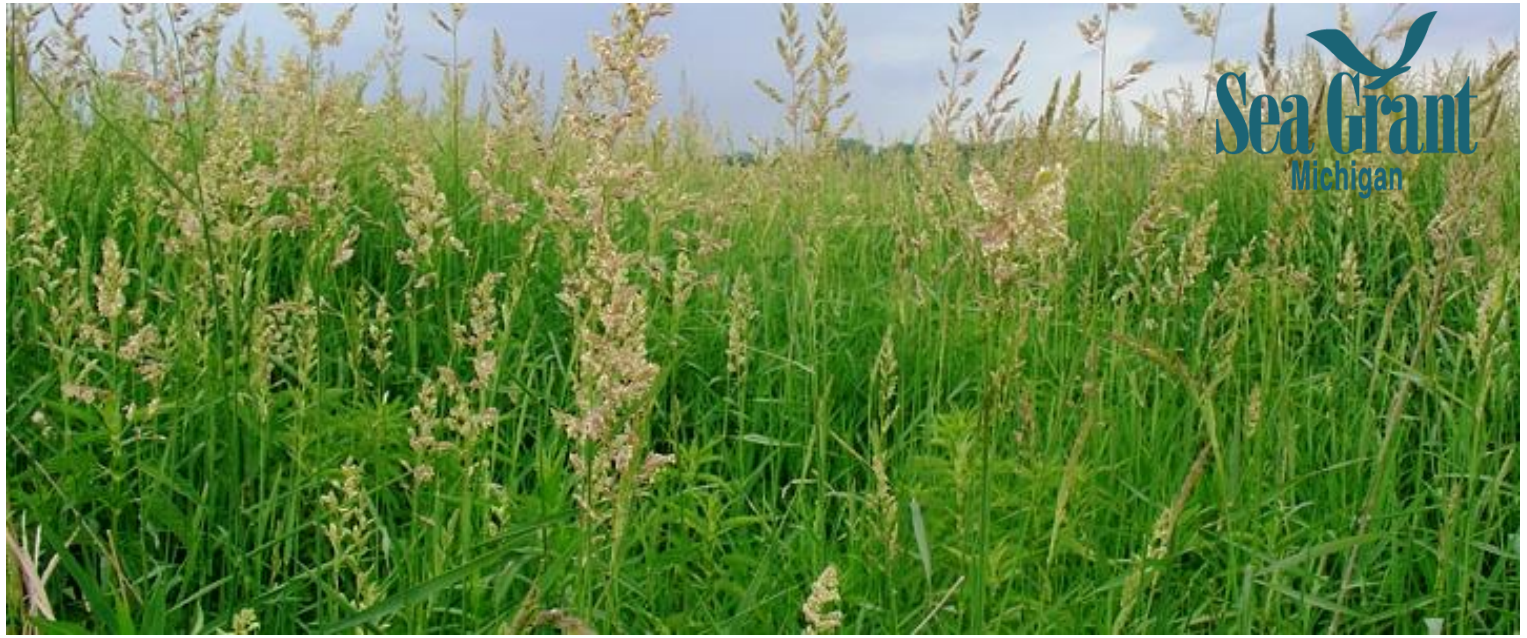
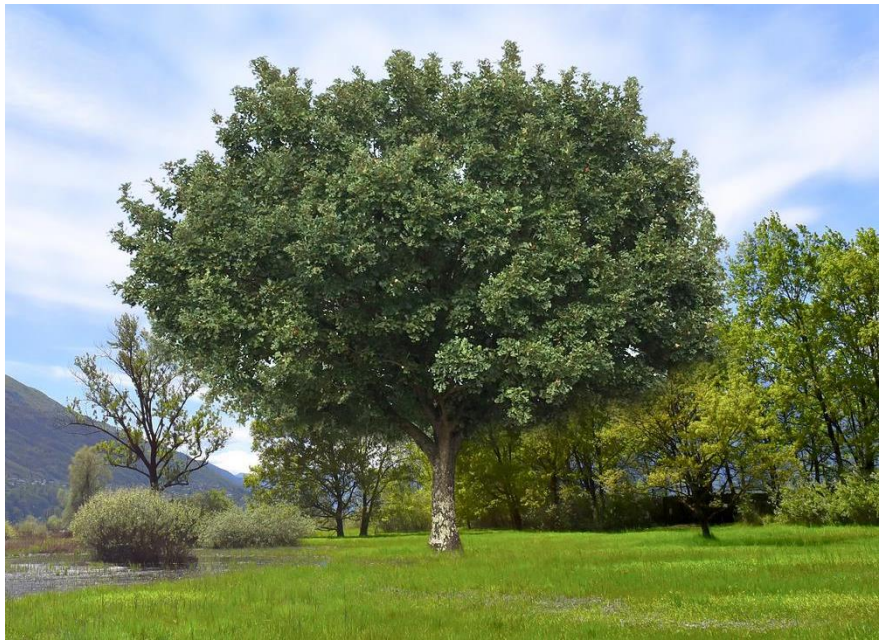






Tree Planting to Inhibit Reed Canary Grass Growth and Watershed Education

By David Martinez Vasquez

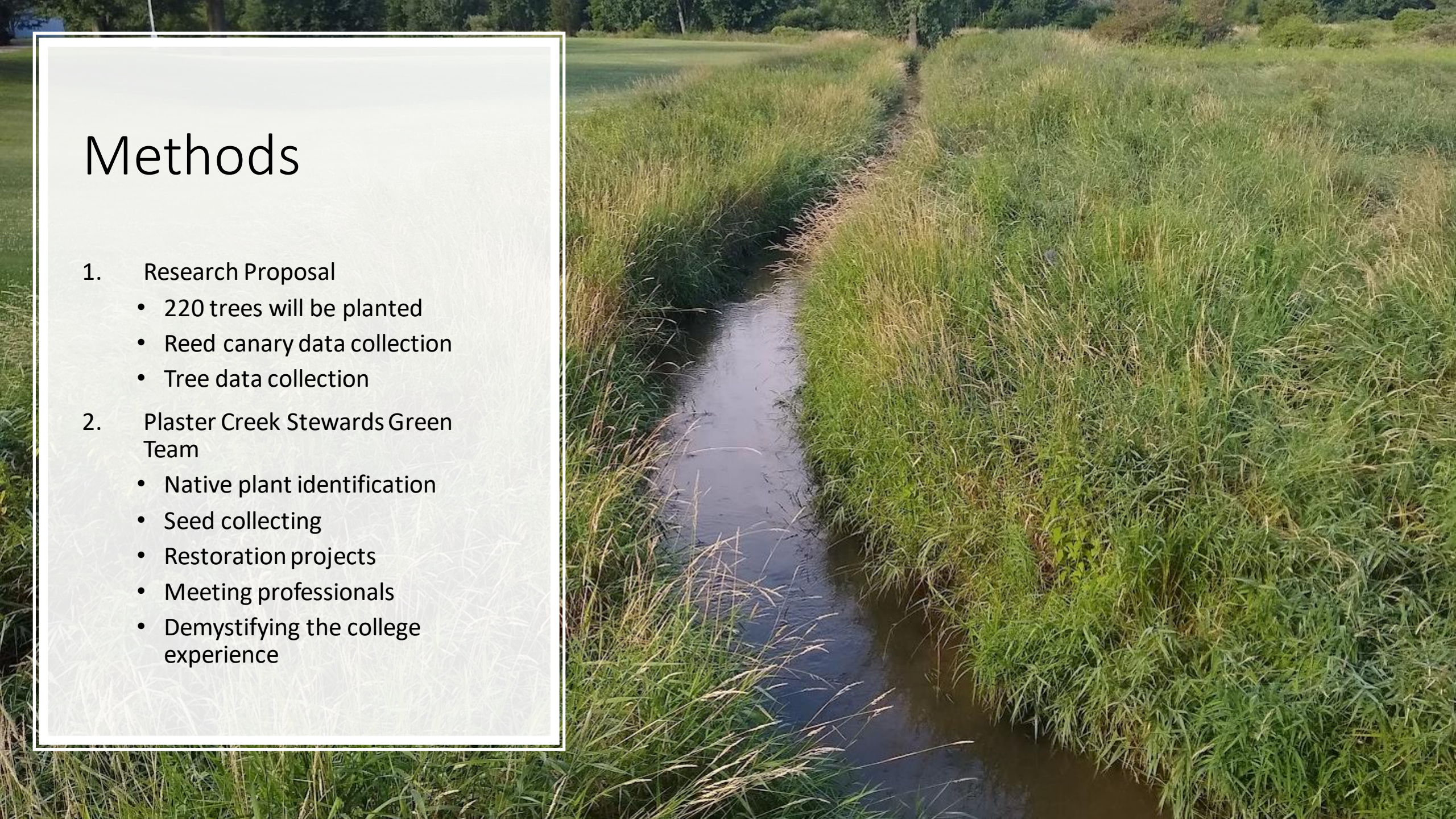
Supervisors: Dr. David Warners and Deanna Geelhoed

Introduction

1. Research Proposal
   - Do native trees produce enough shade to reduce the growth of Reed canary grass (*Phalaris arundinacea*)?
2. Plaster Creek Stewards Green Team
   - Watershed ecology
   - Environmental justice issues
   - Green infrastructure
   - Job skills

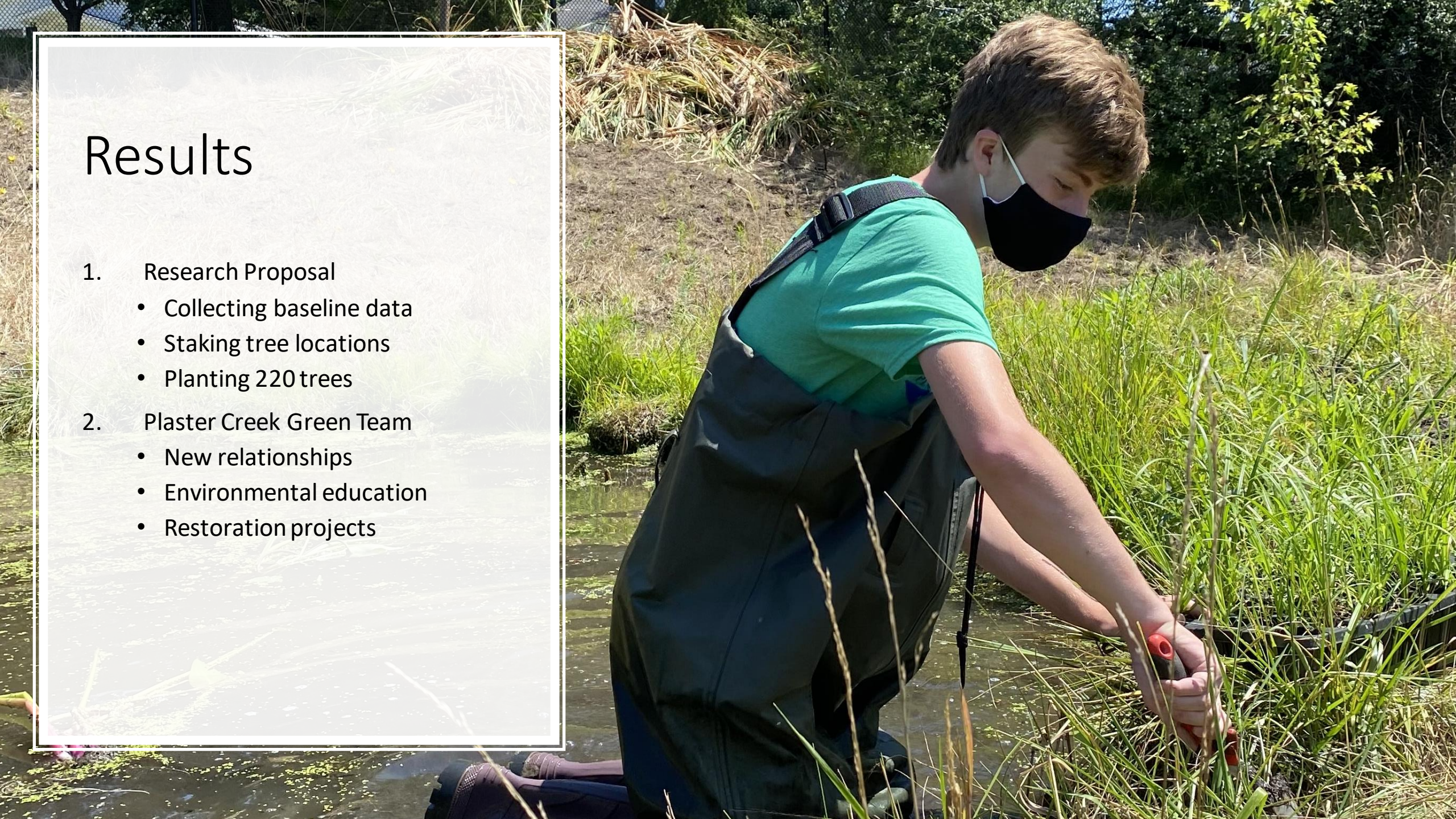
Methods

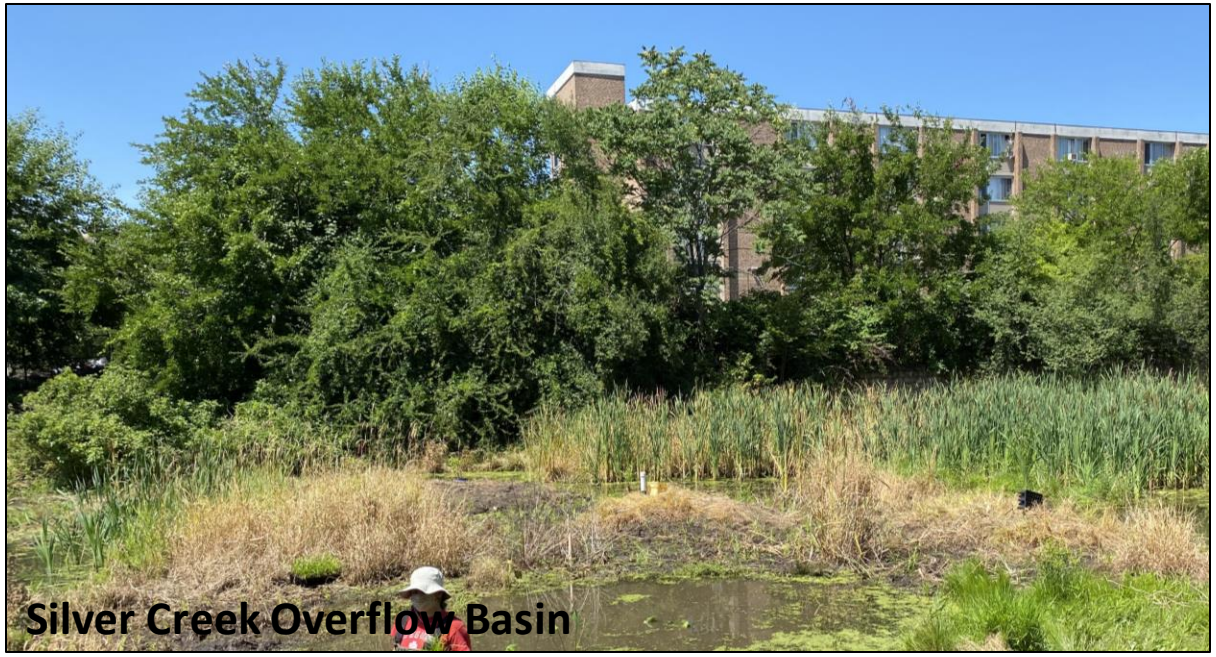
1. Research Proposal
   - 220 trees will be planted
   - Reed canary data collection
   - Tree data collection
2. Plaster Creek Stewards Green Team
   - Native plant identification
   - Seed collecting
   - Restoration projects
   - Meeting professionals
   - Demystifying the college experience

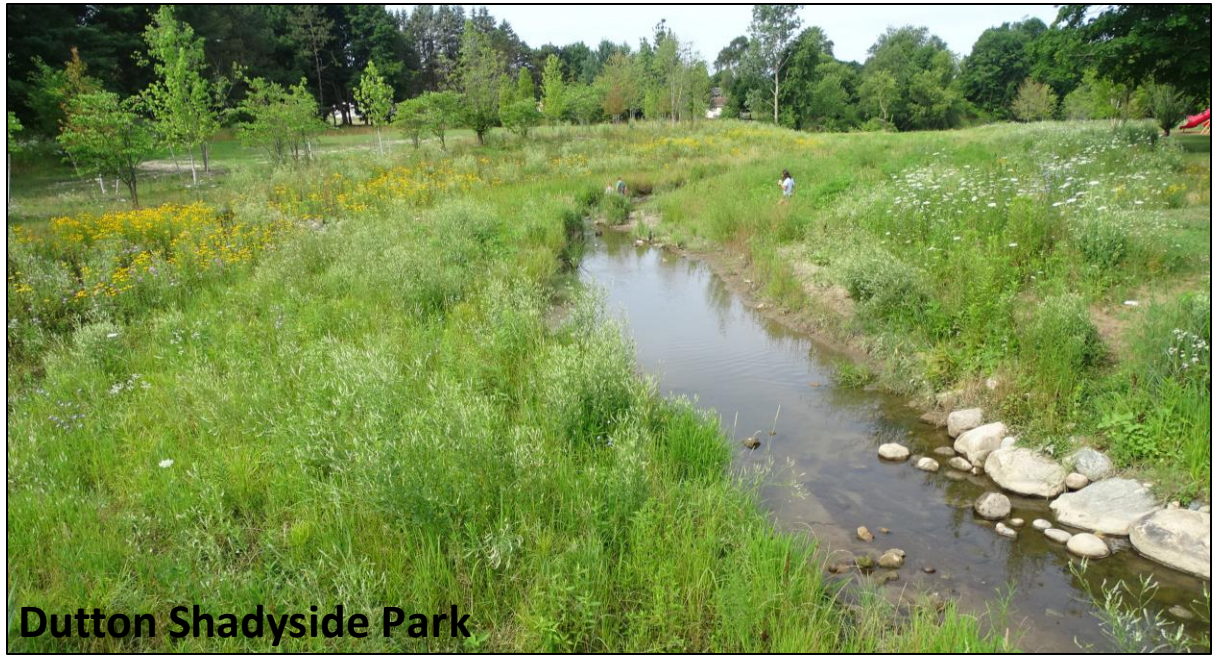


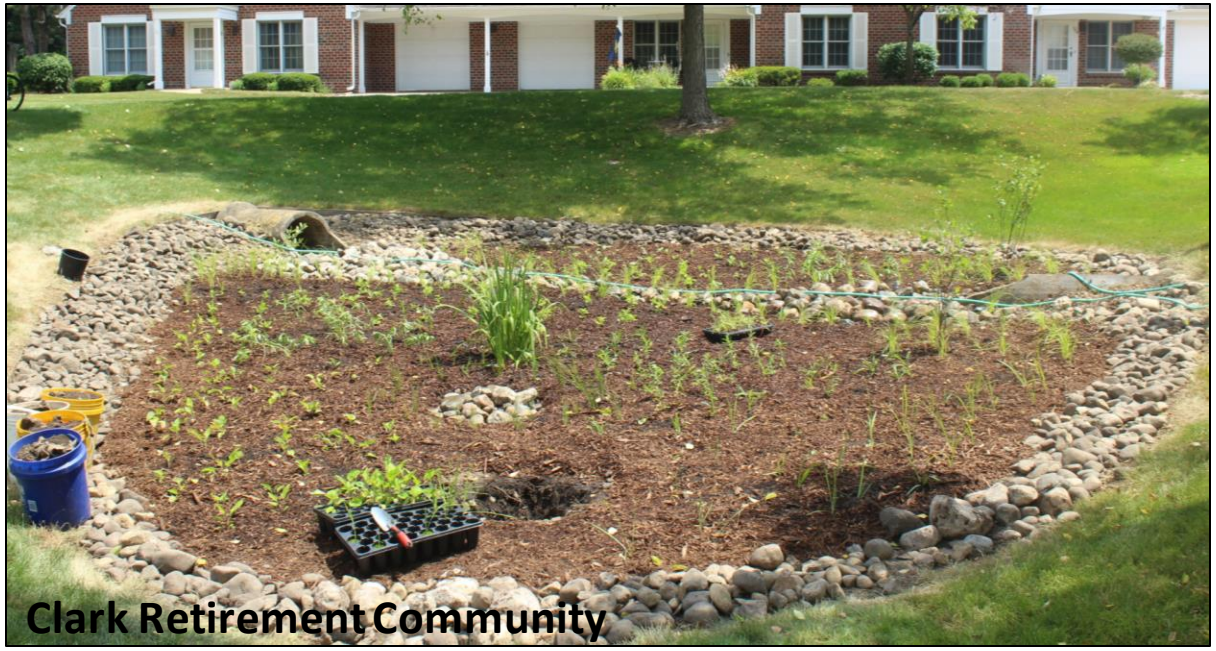
Results

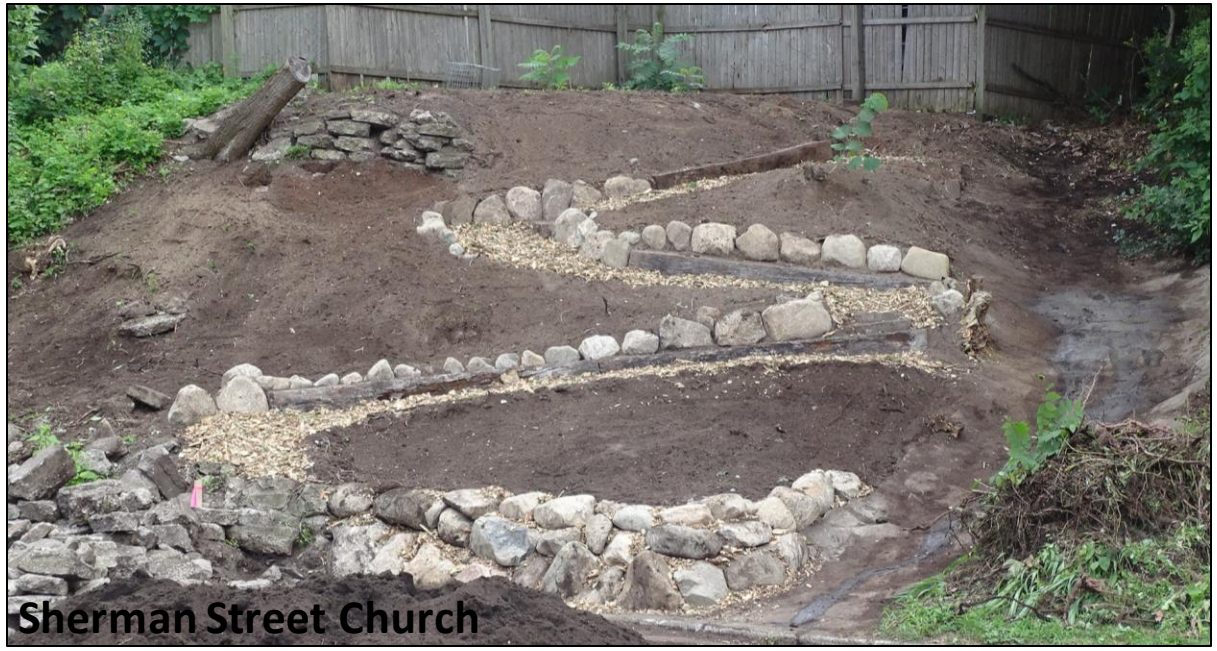
1. Research Proposal
   - Collecting baseline data
   - Staking tree locations
   - Planting 220 trees
2. Plaster Creek Green Team
   - New relationships
   - Environmental education
   - Restoration projects




Silver Creek Overflow Basin


Dutton Shadyside Park


Clark Retirement Community


Sherman Street Church

Discussion

1. Research Proposal
   - Lack of knowledge

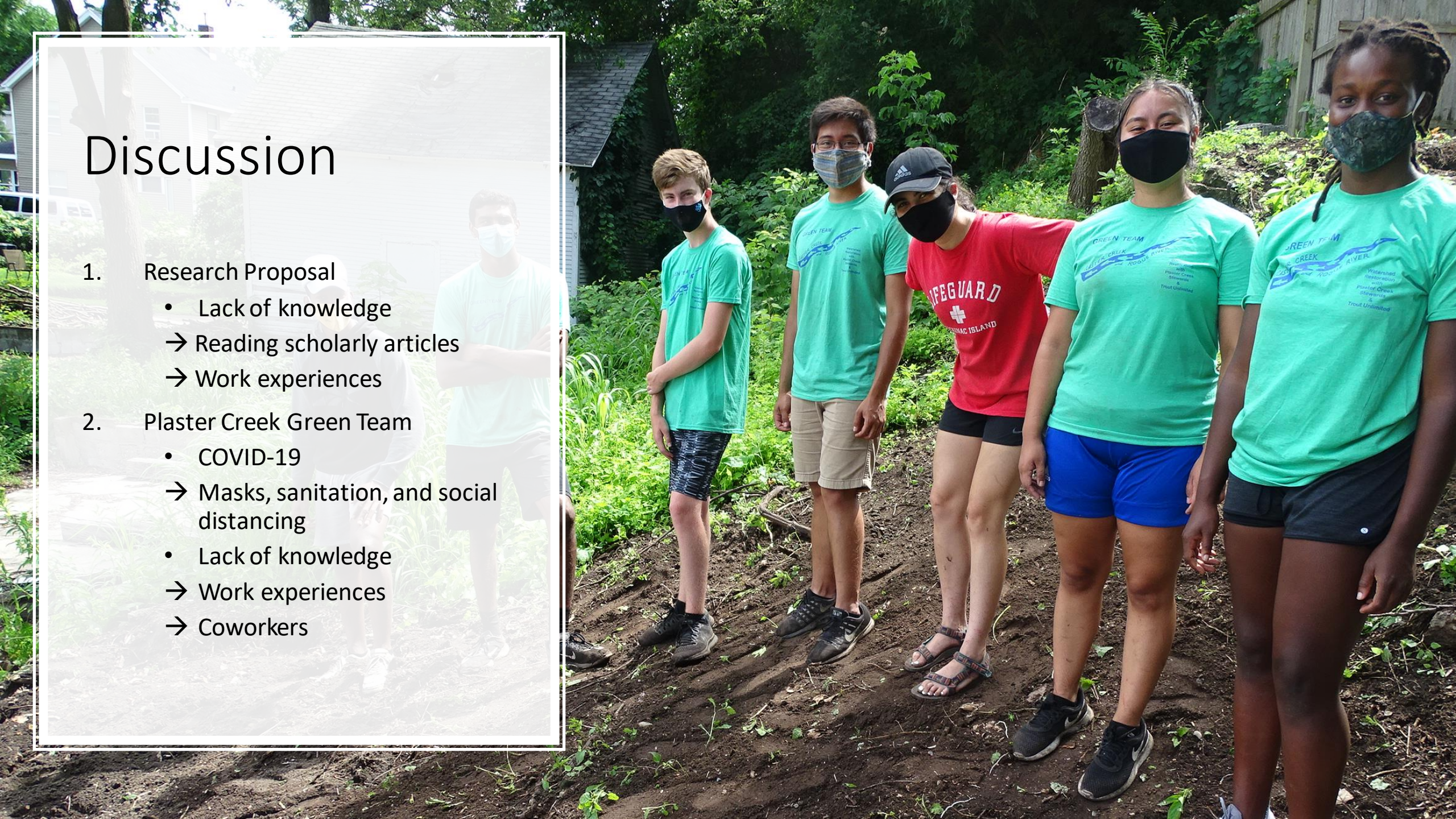
   → Reading scholarly articles

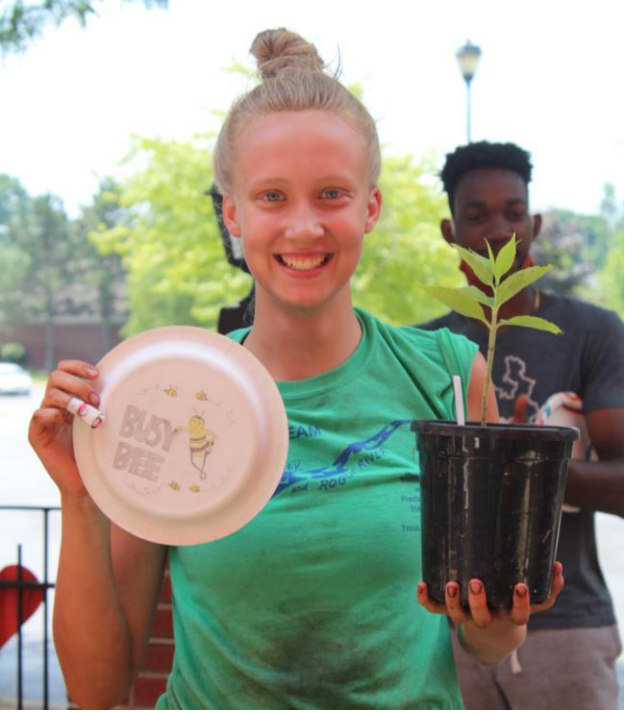
   → Work experiences
2. Plaster Creek Green Team
   - COVID-19

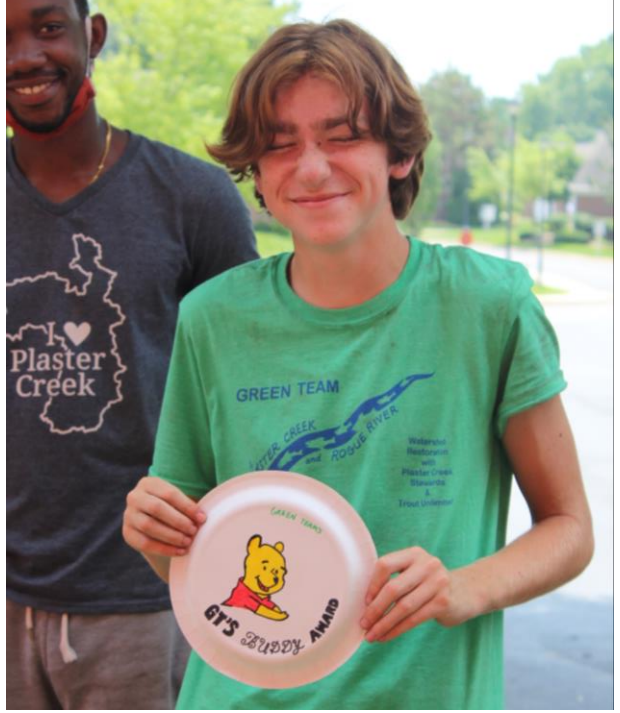
   → Masks, sanitation, and social distancing
   - Lack of knowledge

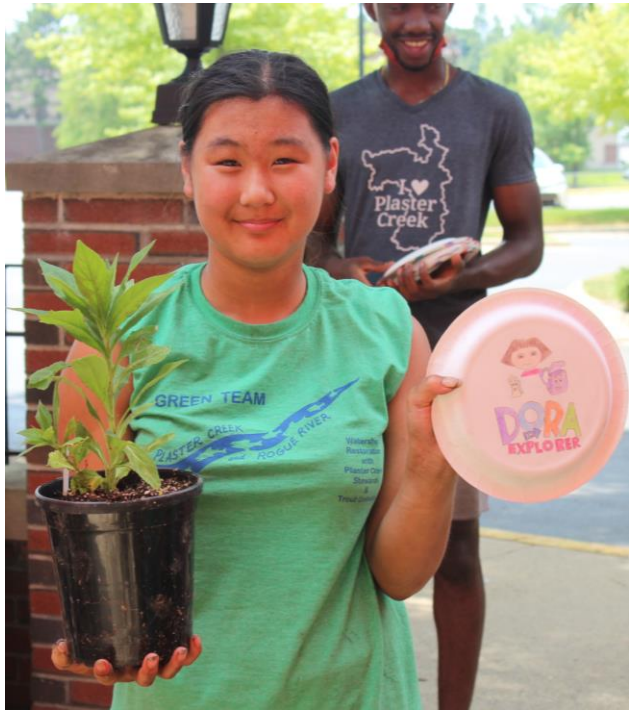
   → Work experiences

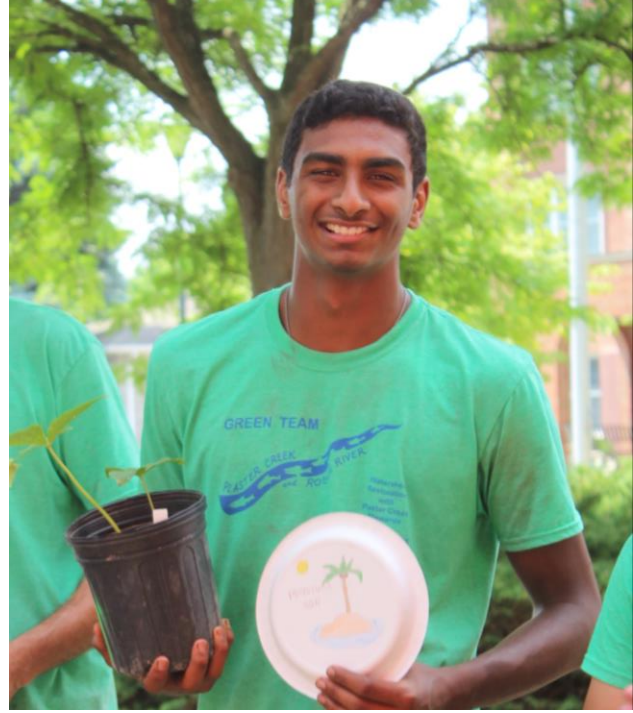
   → Coworkers

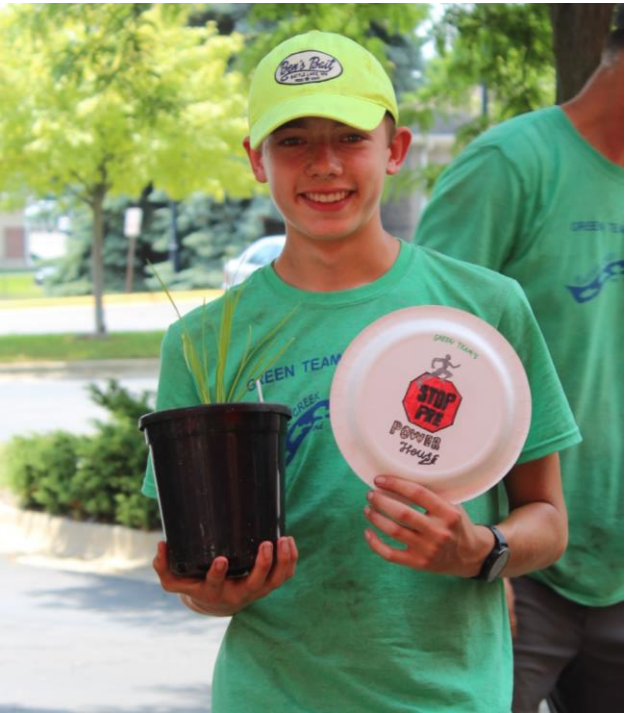


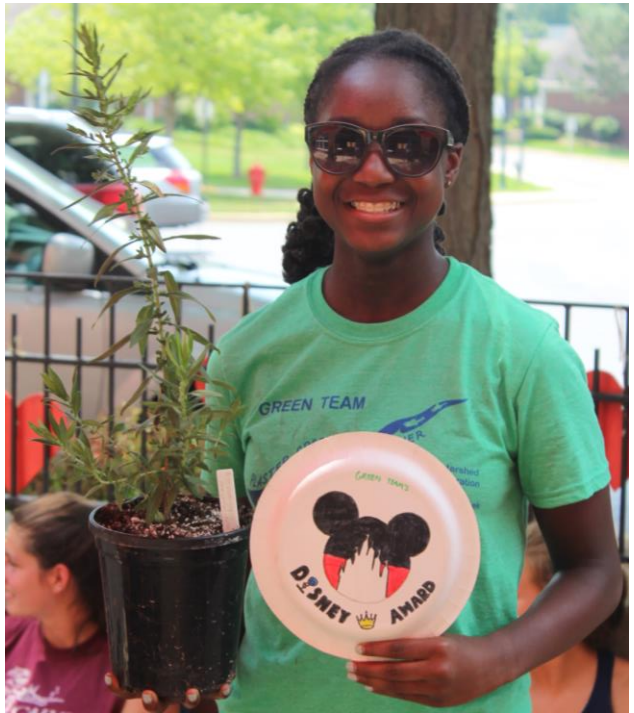












Conclusions

- Value of education as a scientific tool

→ Next generation of environmental leaders

- Satisfaction of restoration work

→ Hard work and hope can bring change