

### Overall Phase 1 Green Lake Targeted Restoration Goals 2021-2024

2021 is the first year of this grant which has a long-term goal of removing Green Lake from the Impaired waters list. The long-term goal requires close to a 2,000-pound reduction in phosphorus (the nutrient that limits the amount of algae and aquatic plants). This is a lofty goal and there is not a single source of pollution to the lake; rather, it will take a consistent and persistent effort by many landowners. This effort will take time and careful planning. The short-term goal (over the next 3 years) is to remove ~145 pounds of phosphorus. A large amount of the 2,000-pound reduction may need come from within the lake itself (internal recycling); however, treating the internal recycling of phosphorus is not recommended until we treat a significant portion of what is coming off of the land.

Below is a summary of the grant work plan targets compared to actual accomplishments to date. NOTE: the actual accomplishments will undoubtedly be different than the work plan goals because we are learning and adapting as we go. The first phase of this work focuses heavily on developing new relationships, trust, and programs to build the list of landowners that are willing to make small changes.

#### Objective 1. Agricultural Best Management Practices

Workplan goals	Actual Accomplishments
3 water and sediment control basins (WASCOBS)	
300 acres of cover crops	210 acres of cover crops (contracts pending)
Process to identify water retention projects	Set up preliminary water retention project identification process with Fish and Wildlife Service & we are working with the County to complete a Multi-purpose Drainage Management Plan when the County completes ditch inspections on North Brook and Wyanett Ditch (fall 2021). This process will identify projects that can be done in conjunction with ditch cleanouts.
2 water retention practices	1 water retention practice (design pending)

#### Objective 2. Near shore Best Management Practices

Workplan goals	Actual Accomplishments
Feldspar Street runoff reduction	Discussions forthcoming
Lakeshore restorations (GLID program)	2 lakeshore restoration projects completed (2021)
1-2 large-scale near shore projects that reduce stormwater to the lake	1 near shore project (design pending)

**Objective3. Build Local Capacity and Community Involvement (Residential and Agricultural)**

<b>Workplan goals</b>	<b>Actual Accomplishments</b>
Develop outreach plans	Developed agricultural and near-shore outreach plan, hired Outreach Staff focused at helping make things happen.
One-on-one conversations	34 conversations
2 workshops for near shore & 2 workshops for agricultural	2 workshops currently being planned (shoreline maintenance and benefits of native plants)
Cover crop field day	Planned for September 2021
Development of educational material and messaging	Under development
Direct mailings	70 letters to landowners in targeted areas- Ag projects (12 follow-up calls) 85 letters Wyanett Creek & North Brook (22 follow-up calls)
Attendance at township and county board meetings (4 total)	2 presentations GLID/Wyanett Twp
Social media outreach (24 posts)	3 posts
Landowner discussion group	
Articles	1 article in County News Review, 2 SWCD Newsletter articles
Videos, signage, brochures, etc.	20 signs for lakeshore stewardship participation

**Objective 4. Curly-leaf pondweed management**

<b>Workplan goals</b>	<b>Actual Accomplishments</b>
Annual treatment of 25 acres of littoral area for Curly-leaf Pondweed	50.5 acres Curly leaf pondweed treatment w/diquat 5/10/2021
Treatment effectiveness evaluations	

**Objective 5. In-lake and stream monitoring to track trends, identify project opportunities and determine project effectiveness.**

<b>Workplan goals</b>	<b>Actual Accomplishments</b>
Lake monitoring	Secchi disk monitoring 2021 (GLID)
Stream monitoring (to determine wetland restoration locations & project type)	1 site targeted for monitoring 2021