



Frank Brown Phase 1/ WASCOB's

Cooperator & Location

Applicant(s): Frank Brown
Address: [REDACTED]
City State Zip: [REDACTED]
Twp/Range: T 109N – R 24W **Section:** 18
City or Twp: Elysian Twp
Funding Source: German/Jeff. **Watershed:** 39107

Project Information

Practice

WASCOB's

Resource Protected

German/Jefferson Chain of Lakes

Description

Install 6 Water and Sediment Control Basins to control 2 very large gullies. This project was funded by the German/Jefferson Phosphorous Reduction Grant and was targeted through the grant application.

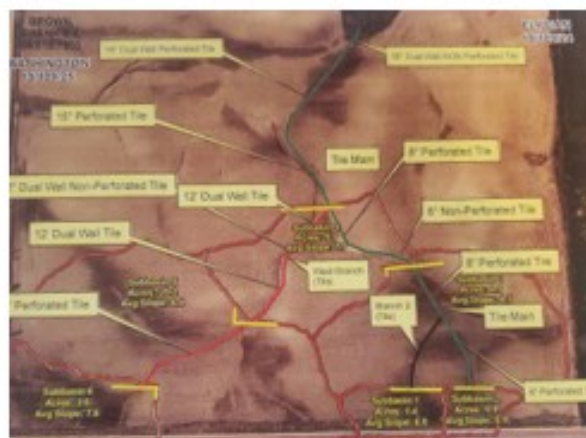
Environmental Benefits

| Parameter | Before | After | Saved |
|----------------------------|--------|-------|--------|
| Soil Erosion (tons/yr) | 277.99 | 0 | 277.99 |
| Sediment Load (tons/yr) | 138.99 | 0 | 138.99 |
| Phosphorus Load (lbs/yr) | 159.84 | 0 | 159.84 |
| Runoff Reduction (acre ft) | N/A | N/A | N/A |

Cost Analysis

| PROJECT COSTS | | FUNDING SOURCES | | % |
|---------------|-----------------|-----------------|-------------|----|
| Construction: | \$50,578.00 | Landowner: | \$5057.80 | 10 |
| | | State: | \$45,520.20 | 90 |
| Total: | \$50,578 | | | |

Aerial Photo/Plan View



Construction Photo



Frank Brown Erosion Pictures



Cooperator & Location

Applicant(s): Frank Brown
Address: [REDACTED]
City State Zip: [REDACTED]
Twp/Range: T 109N – R 24W **Section:** 18
City or Twp: Elysian Twp
Funding Source: Jefferson/German **Watershed:** 39107

Frank Brown/ WASCOB's

Project Information

Practice

WASCOBs

Resource Protected

Jefferson/German Watershed

Description

Install 5 Water and Sediment Control Basins to control 2 large gullies that are currently depositing sediment into a private ditch that outlets into the German/Jefferson chain of lakes

Dates

SWCD Review

8/20/2019

Project Start

9/24/2019

Project Finish

10/1/2019

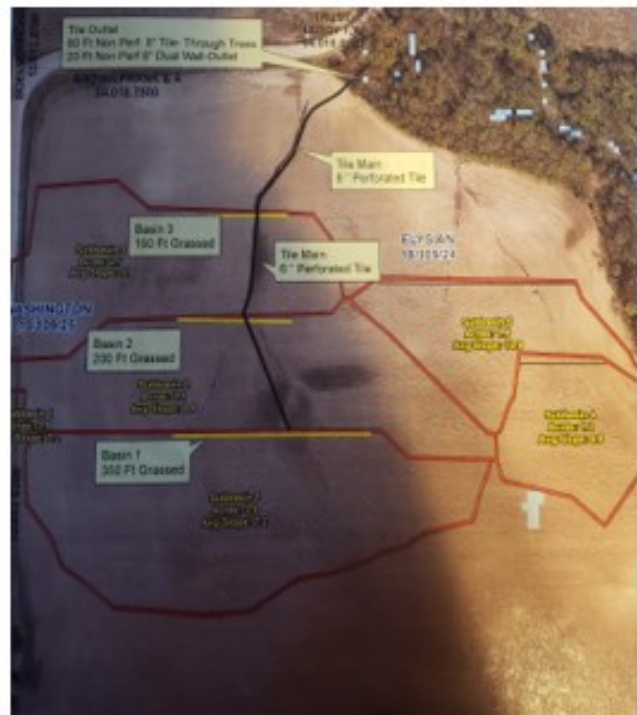
Environmental Benefits

| Parameter | Before | After | Saved |
|----------------------------|--------|-------|--------|
| Soil Erosion (tons/yr) | 205.63 | 0 | 205.63 |
| Sediment Load (tons/yr) | 61.19 | 0 | 61.19 |
| Phosphorus Load (lbs/yr) | 70.37 | 0 | 70.37 |
| Runoff Reduction (acre ft) | N/A | N/A | N/A |

Cost Analysis

| PROJECT COSTS | | FUNDING SOURCES % | |
|---------------|--------------------|-------------------|---------------|
| Construction: | \$26,355.61 | Landowner: | \$6588.90 25 |
| | | Federal: | |
| | | State: | \$19766.71 75 |
| Total: | \$26,355.61 | | |

Aerial Photo/Plan View



Construction Photo



Right: A completed Water and Sediment Control Basin (WASCOB), Frank Brown Project

Bottom: 5 Completed WASCOBs holding back water during a rain event to allow sediment to fall out of the water and not be carried down stream The structures also prevent the water from running overland causing gullies

