Evaluation of Nonpoint Source Phosphorus Reductions Achieved Under

# Wisconsin's Multi-discharger Phosphorus Variance

Report to EPA and Stakeholders

Wisconsin Department of Natural Resources
Bureau of Water Quality

Draft – February 2025

WISCONSIN
DEPT. OF NATURAL RESOURCES

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Thank you to all county conservation departments who committed time and resources to participating in the MDV program from 2017 to 2024

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## Executive Summary

Wisconsin's phosphorus multi-discharger variance (MDV) was approved in 2017 for a 10-year period. Prior to the 2027 expiration, the Wisconsin Department of Natural Resources (DNR) is undertaking an evaluation of the MDV's environmental outcomes. The evaluation is intended to help support a decision regarding reauthorizing the variance for an additional 10-year period.

The MDV program allows permitted dischargers to avoid making costly phosphorus treatment facility upgrades when those upgrades would cause economic hardship for that community. In lieu of treating effluent to meet low phosphorus effluent limits, dischargers covered under the MDV must contribute resources to a watershed offset program. Watershed offsets focus on reducing phosphorus contributions from nonpoint sources, primarily agriculture.

Dischargers covered under the MDV have the option to implement a self-directed/third-party offset project, or pay $50 per pound (inflation-adjusted) for each pound of phosphorus discharged above a target value specified in state statute. Payments are distributed to county land and water conservation departments and are used to implement nonpoint source best management practices (BMPs, or "practices") that reduce phosphorus entering surface waters from agricultural sources. While utilizing nonpoint offsets to mitigate point source pollutants is not a new concept, a multi-discharger variance utilizing a statewide payment system is a novel approach to achieving water quality outcomes within a NPDES variance framework.

Since 2017, roughly 150 dischargers have selected the county payment option, resulting in over $1,000,000 of total county funding per year statewide. Over the evaluation period of 2017 to 2023, counties have used MDV funding to provide cost share and establish 811 unique best management practices. Based on site-specific nonpoint source modeling results, these practices kept roughly 58,123 pounds of phosphorus pollution out of waterways.

To evaluate the net water quality outcomes of the MDV, the Environmental Protection Agency (EPA) has recommended tabulating phosphorus reductions achieved from both point and nonpoint sources. Then, based on various implementation factors, complete a projection of ongoing environmental benefits that will likely occur throughout the term of the renewed variance. A similar long-term projection approach was undertaken in 2017 as part of EPA's review of the proposed MDV. The 2017 review predicted that nonpoint reductions would be, in most cases, greater than point source exceedances of the unvaried phosphorus standards. The analysis contained in this document seeks to recreate this long-term projection approach using actual program implementation data.

The overall long-term effectiveness of nonpoint practices is dictated by the future management of agricultural sites that receive cost sharing to meet, or exceed, Wisconsin's agricultural performance standards and prohibitions. Acknowledging that not all agricultural practices are mandated to be maintained in perpetuity, long-term projections indicate that county efforts will likely result in projects achieving roughly 20,000 lbs/yr reduction annually. When combined with substantial point source reductions that result from enhanced treatment optimization efforts, it is evident that the MDV provides greater environmental outcomes than a traditional variance approach.

# Introduction to Wisconsin's Phosphorus MDV

## MDV Background

Efforts to reduce phosphorus in the surface waters of Wisconsin were formalized in 1992 for wastewater point source discharges. Following the 1992 rule change, Wisconsin Pollutant Discharge Elimination System (WPDES) permit holders were required to comply with technology-based effluent limits (TBELs) for phosphorus, typically set equal to 1.0 milligram per liter (mg/L). These TBELs applied to municipal facilities and larger industries that met discharge thresholds specified in s. NR 217.04, Wis. Adm. Code. The DNR also established agricultural performance standards and prohibitions in ch. NR 151, Wis. Adm. Code. Additional steps were taken in 2010 with the adoption of the phosphorus rule, which set maximum allowable phosphorus concentrations in Wisconsin's surface waters, also known as phosphorus water quality criteria. This rulemaking effort also created phosphorus implementation procedures for WPDES permits in ch. NR 217, Wis. Adm. Code.

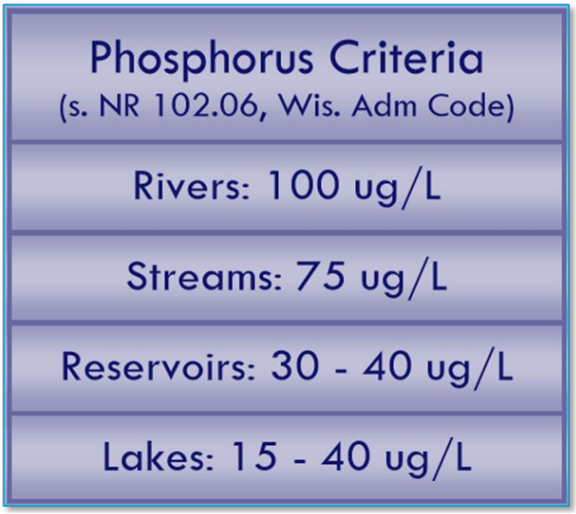


**Figure 1: Phosphorus Criteria Adopted Under 2010 Rule**

With numeric phosphorus criteria adopted by the State and approved by EPA, many point source dischargers were subject to phosphorus water quality-based effluent limitations (WQBELs) in their permits. In many cases, these phosphorus WQBELs were set equal to the applicable phosphorus water quality criterion. Compliance with these low-level WQBELs often requires large capital investments by permittees, often times resulting in compliance costs that would cause substantial and widespread adverse social and economic impacts. In many watersheds, nonpoint source phosphorus loadings frequently contribute the majority of phosphorus to Wisconsin's waters.

Recognition of this challenge spurred the development of Wisconsin's adaptive management (AM) and water quality trading (WQT) programs in addition to the MDV. The premise behind these compliance options is that point source dischargers could invest a smaller amount of money towards nonpoint source pollution control projects, and potentially have a greater water quality benefit. These compliance options have been selected by some point sources and continue to be explored by others as they work towards phosphorus compliance.

The phosphorus MDV is implemented pursuant to s. 283.16, Wis. Stats. An MDV is designed to provide point sources, specifically municipal and industrial wastewater treatment facilities, with another avenue for avoiding the economic hardship associated with installing treatment to comply with restrictive phosphorus limits. The MDV allows a discharge to exceed a calculated water quality based effluent limitation for phosphorus on a temporary basis in exchange for contributing funds for nonpoint pollution control projects or implementing specific projects in the watershed to achieve phosphorus reductions. Point sources must be an existing source (authorized to discharge prior to December 1st,

2010) to be eligible for coverage under the MDV. Concentrated Animal Feeding Operations (CAFOs) and Municipal Separate Storm Sewer Systems (MS4s) are not eligible for coverage under the MDV.

Establishment of the MDV required cooperation between various government and nongovernment entities. Section 283.16, Wis. Stats., became effective in 2013 (Act 378) and was modified in 2015 (Act 205). As a result of the legislation, the Department of Administration (DOA) and DNR investigated the costs associated with wastewater treatment to meet phosphorus standards as well as the impacts to Wisconsin's economy. It was determined that phosphorus compliance costs cause a substantial and widespread adverse economic impact to the state. This determination was made with the assistance of Sycamore Advisors, ARCADIS, and the University of Massachusetts Donahue Institute. DOA's and DNR's final economic determination and relevant supporting information including the consultants' analyses are available at: http://dnr.wi.gov/topic/wastewater/phosphorus/statewidevariance.html.

When considering the economic challenges associated with requiring major upgrades at wastewater treatment facilities and the potential for more economical phosphorus reductions on the landscape, it is apparent that the MDV has the potential to result in greater environmental benefit at less cost when compared to traditional brick-and-mortar upgrades.

## Prior Analyses

In 2017, EPA conducted an analysis of reductions likely to be achieved throughout the first 10-year approval period of the MDV. The document is titled *EPA Evaluation of Phosphorus Loading Reductions Likely to be Achieved Under Wisconsin MDV WQSTS #WI2016-668* (hereafter referred to a 2017 EPA Evaluation). This evaluation used the statutory requirements found in s. 283.16, Wis. Stats., draft guidance, and a set of assumptions about the effectiveness of agricultural BMPs to project phosphorus loading reductions that would be achieved by Wisconsin's MDV over a 10-year period. The evaluation is available for download here:

https://dnr.wisconsin.gov/sites/default/files/topic/Wastewater/EPA_Evaluation_of_P_Loading_Reductions_WI_P_MDV_020617.pdf

The 2017 analysis concluded: *"in most instances, the amount of phosphorus loadings that will be reduced from the nonpoint source measures required by the MDV will be greater (oftentimes significantly greater) than the reductions that would likely have occurred if the MDV instead required installation and operation of additional treatment facilities to remove phosphorus from point source discharges."*

In 2022, DNR undertook the highest attainable condition (HAC) review required under s. 283.16(3m) Wis. Stats., and 40 CFR 131.14(b)(1)(v). The HAC review assessed early MDV implementation data from county payments administered in 2018 and 2019, which corresponded to county reporting years of 2020 and 2021. Four self-directed / third-party projects were also summarized. Although the evaluation used a limited dataset, the report provided insight into types of practices employed, pollutant load reduction modeling methods, and magnitude of phosphorus reductions achieved. The review is available for download at:

https://dnr.wisconsin.gov/sites/default/files/topic/Wastewater/FinalHACReview_20220204.pdf

The review concluded:

*"The results of this HAC evaluation demonstrate that pollution reductions achieved under the MDV are significantly greater than what would be achieved absent the MDV. Interim effluent limitations set equal to or lower than 1.0 milligram per liter (mg/L) have resulted in substantial effluent phosphorus reductions, particularly for those facilities that did not have phosphorus treatment technology in place previously. Furthermore, because the offset requirements included in the MDV are based on the amount of phosphorus discharged, there exists a strong impetus for permittees to optimize phosphorus removal systems to well below assigned interim limits. Additionally, the MDV watershed offset provisions have resulted in the reduction of over 15,000 pounds of phosphorous per year associated with nonpoint loading to date, and this number is expected to grow well into the future. When comparing the environmental outcome of the MDV to the benchmark of "installation of feasible pollution control" (as suggested in the initial MDV approval document) it is clear that the MDV offers greater pollution reductions than would have occurred absent the MDV and therefore represents HAC for a phosphorus variance in Wisconsin."*

# 2024 Evaluation of Nonpoint Source Reductions

## Resources for Nonpoint Reductions

The MDV makes resources available for the implementation of nonpoint phosphorus reduction projects in the following ways:

1. Covered dischargers pay counties $50 per pound of phosphorus discharged (plus inflation) above a target value.
2. Covered dischargers undertake a phosphorus reduction project on land they own, under agreement with DNR. (referred to as "self-directed" projects)
3. Covered dischargers establish a contract with a third party to undertake a phosphorus reduction project. (referred to as "third-party" projects)

In each case, the magnitude of nonpoint phosphorus reduction is generally commensurate with the amount of phosphorus discharged from the point source. For self-directed and third-party projects, a direct comparison between phosphorus discharged and nonpoint source offset achieved is required. This requirement is reflected in the permits of dischargers who utilize the self-directed or third-party option through numeric equations which compare discharge to offset. County payments are a less direct mechanism and may achieve lesser or greater phosphorus offsets depending on how the county uses MDV funding. The specific outcomes for each offset mechanism are detailed in subsequent sections of this report.

Regardless of the watershed option that a discharger selects, the statutorily-required offset (payment or project) is required in each year of MDV coverage for a discharger. This means that self-directed / third-party projects must be installed at the time DNR issues a permit for MDV coverage, and county payments accrue as soon as a permit with MDV coverage is effective. In the event a permit with MDV coverage expires, the watershed requirements continue to apply in each year until a new permit is issued.

# County Payments

## Total Funding

The first county payments under the MDV program were made in 2018 by the two dischargers who received earliest MDV coverage. Since then, MDV coverage has expanded significantly, and county payment amounts have increased based on several factors. More dischargers being required to make county payments clearly drives county payments higher. Other factors include the size of discharge (more effluent volume typically yields greater mass discharged and thus higher payments) and level of phosphorus treatment currently present at facilities (those facilities who do not remove phosphorus from the waste stream, or do so minimally, discharge a greater mass of phosphorus and therefore pay more). Over time, dischargers covered under the MDV optimize phosphorus treatment and generally pay less on a per-facility basis as a result.

Across years 2018 – 2023, county payments increased sharply during the first three years of implementation. This was due to a large number of permittees gaining coverage for the first time in in the 2018 to 2019 timeframe. As shown in Table 1, annual payment totals have plateaued around the $1 million mark despite new facilities obtaining coverage each year. The sum for all years of county payments is $5,812,125.03.

**Table 1: County Payments and WPDES Facility Coverage 2018 - 2024**

| County Payment Year | Number of Facilities Making Payments | Total County Payment |
|---|---|---|
| 2018 | 2 | $2,606.02 |
| 2019 | 34 | $619,363.60 |
| 2020 | 73 | $938,116.95 |
| 2021 | 98 | $937,241.50 |
| 2022 | 119 | $1,133,577.91 |
| 2023 | 125 | $1,051,349.61 |
| 2024 | 131 | $1,129,869.44 |

## County Receipt of MDV Funding

County payments are distributed at the HUC 8 Watershed scale. This means that any given discharger will provide funding to each participating county in their HUC 8 watershed. Funding is divided between counties within the same watershed based on the percentage of land that each county holds within the watershed. When funding is available, counties are given the opportunity to receive MDV funding each year, in watersheds of their choosing. County participation in the MDV is voluntary. When counties sign up for funding, they agree to utilize the funding to reduce agricultural nonpoint sources of phosphorus in a manner consistent with state statute, program guidance, and the County's Land and Water

Resource Management Plan. Per state statute, 65% of MDV funding is required to be spent on phosphorus reduction practices themselves while 35% may be used for non-BMP expenses such as staff time, monitoring, modeling, or activities that lead to practice adoption. When no counties opt to receive MDV funding within a given watershed, DNR selects an alternative watershed with participating counties to send the unclaimed funding to.

In February of each year, DNR sends a statement to each discharger covered under the MDV showing the prior year's discharge monitoring report data and payment calculations. A list of final payment amounts specifying county recipients is also included in this communication. Payments are due to counties by March 1st of each year, which account for the prior year's discharge. Funds have been distributed to counties in years 2018 – 2024. The first calendar year in which MDV coverage was conveyed was 2017. The first payment for 2017 discharge was received by counties by March 1, 2018. For the purposes of this report, the year of funding receipt is used to describe a given funding year. For example, the first year of MDV payments would be termed "2018 funding" because they were received by counties in March of 2018. Table 2 below shows the total amount of funding received by each county 2018 - 2024.

**Table 2: Total Funding Received by all Counties 2018 – 2024, listed by level of funding**

| County | County Total Funding |
|---|---|
| Waushara | $ 15,686.84 |
| Door | $ 16,893.76 |
| Saint Croix | $ 19,263.14 |
| Chippewa | $ 25,376.55 |
| La Crosse | $ 27,392.66 |
| Waupaca | $ 28,313.70 |
| Lincoln | $ 35,904.68 |
| Clark | $ 37,287.72 |
| Outagamie | $ 40,053.51 |
| Green Lake | $ 47,059.96 |
| Sheboygan | $ 52,093.34 |
| Dunn | $ 57,924.79 |
| Monroe | $ 59,871.71 |
| Shawano | $ 60,759.68 |
| Racine | $ 61,728.79 |
| Ozaukee | $ 65,598.43 |
| Eau Claire | $ 70,237.76 |
| Grant | $ 73,526.99 |
| Buffalo | $ 78,887.20 |
| Iowa | $ 86,453.08 |

| County | County Total Funding |
|---|---|
| Barron | $ 97,396.14 |
| Winnebago | $ 97,773.29 |
| Brown | $ 99,384.87 |
| Trempealeau | $ 113,349.07 |
| Dodge | $ 130,327.92 |
| Manitowoc | $ 144,253.12 |
| Taylor | $ 160,507.87 |
| Vernon | $ 170,385.43 |
| Wood | $ 183,145.94 |
| Calumet | $ 186,084.77 |
| Juneau | $ 217,063.72 |
| Jefferson | $ 220,173.40 |
| Fond du Lac | $ 236,587.84 |
| Walworth | $ 246,265.61 |
| Washington | $ 251,986.36 |
| Marathon | $ 271,162.79 |
| Pierce | $ 346,283.70 |
| Lafayette | $ 399,537.54 |
| Sauk | $ 629,844.41 |
| Jackson | $ 650,296.85 |

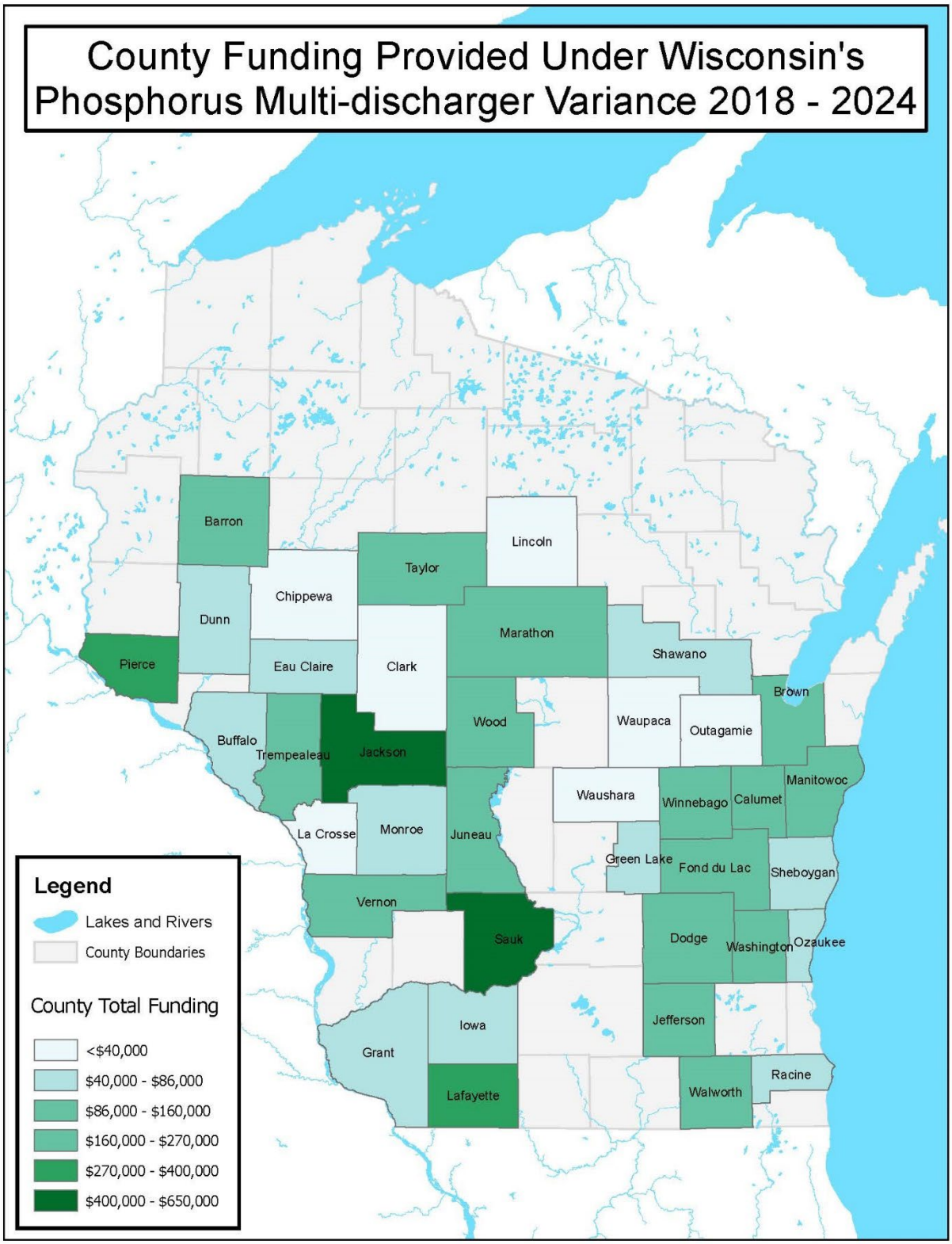



**Figure 2: County Total Funding Map**

## County Participation Trends

From 2018 to 2023, 40 different counties participated in the MDV program and received funding from dischargers. MDV participation peaked in 2021, with 35 counites opting to receive funds. More recently, some of these counties have chosen not to participate in the MDV program. Various reasons have been cited for withdrawing from the MDV program. Some of the most common reasons are listed below.

- Staffing limitations, either at staff level or manager level have limited some counties' capacities for implementing new cost share programs.
- Challenges surrounding the COVID-19 pandemic, including inability to meet with farmers and subsequent supply chain limitations.
- Instances in which available funding fluctuated dramatically or simply dwindled to amounts lower than required to fund meaningful projects.
- Inability to hire additional staff to implement MDV projects, as MDV funds fluctuate from year to year while the staffing-eligible portion, 35%, is rarely enough to fully fund a new position.

The above list is not meant to be exhaustive or representative of all counties. DNR generally supports county decisions to withdraw from the MDV program if county staff express concerns about being able to timely or effectively use the funding to make improvements in water quality. Counties that withdraw from the MDV program may reenroll during a future year. Counties are, however, expected to implement projects with funding received in prior years regardless of their current or future participation status.

**Table 3: County Participation Levels Over Time**

| Funding Year | Number of Counties Participating |
|---|---|
| 2018 | 1 |
| 2019 | 25 |
| 2020 | 34 |
| 2021 | 35 |
| 2022 | 26 |
| 2023 | 23 |
| 2024 | 23 |

Funding has grown more geographically widespread and evenly distributed as more dischargers are covered under the MDV. For example, based on the 2020 funding estimate, 29 counties would have received more than $10,000 for that funding year. The 2023 funding estimate indicated that 41 counties would receive more than $10,000. Because total payments for all counties increased by only 10% between the 2020 and 2023, the wider availability is not driven by increased payments alone. It is important to note that both estimates assume all counties participate; actual per-county funding levels are higher than discussed above.

## County Project Implementation

County implementation of projects occurs anywhere from one to three years after receiving funding due to the planning and reporting timeframes specified in state statute. County projects being reported on

at this time generally encompass funds generated in discharge years 2017 – 2021. For example, funding generated in 2021 was due to counties by March 1, 2022. Plans for use of this funding were due to DNR by March 1, 2023. An annual report showing how the funding was used was due on May 1, 2024. Some counties have implemented projects ahead of the statutory timeline, which are also included in this report. Counties are also able to request a 12-month extension to the implementation timeline in the case of extenuating circumstances.

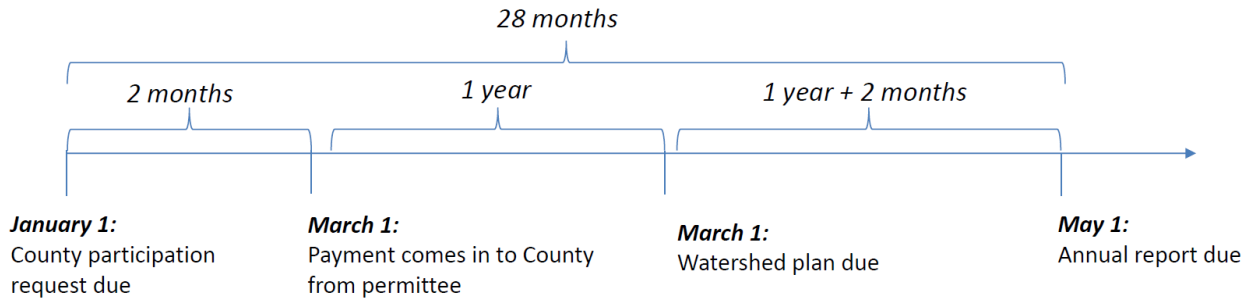



**Figure 3: MDV Timeline**

## Online Reporting in BITS

Counties complete the MDV planning and reporting process in DNR's online BMP implementation tracking system (BITS). BITS requires detailed digital reporting with geospatial data that catalogs phosphorus reduction site/practice location and geometry. BITS has significantly increased the level of detail in reports filed by counties (when compared to a paper form format) and has expedited the data analysis process. BITS contains three phases within the MDV module:

Phase 1: MDV Project Establishment

County staff create a project record that will encompass all MDV planning and reporting for a given funding year. Within the project, a HUC 8 watershed selection is made to indicate which watershed(s) the county will receive funding and implement projects in. This constitutes "signing up" for MDV funding. Signups are due January 1st of the calendar year in which funding will be distributed.

Phase 2: MDV Plan Submission

The MDV plan conveys watershed/project prioritization, types of BMPs to be installed, the ch. NR 151, Wis. Adm. Code, agricultural performance standards to be addressed, budget, and practice verification protocols. Once the plan is complete, DNR staff log into BITS to review and ensure consistency with s. 283.16(8) Wis. Stats. requirements. Once review is complete, DNR staff mark the plan as approved, or request modifications if needed.

Phase 3: Reporting Implemented BMPs

Once a plan is approved, the reporting phase of BITS is accessible to county staff. Reports contain the actual BMPs installed, locations, costs, modeled pollutant reduction for each practice, and other related/supporting information, including documentation of ch. NR 151, Wis. Adm. Code, compliance if a compliance letter was sent. DNR staff review reports to ensure consistency with the plan and program requirements. Once reports are approved, they are posted online at the following location:

https://dnr.wisconsin.gov/topic/nonpoint/mdvAnnualReports

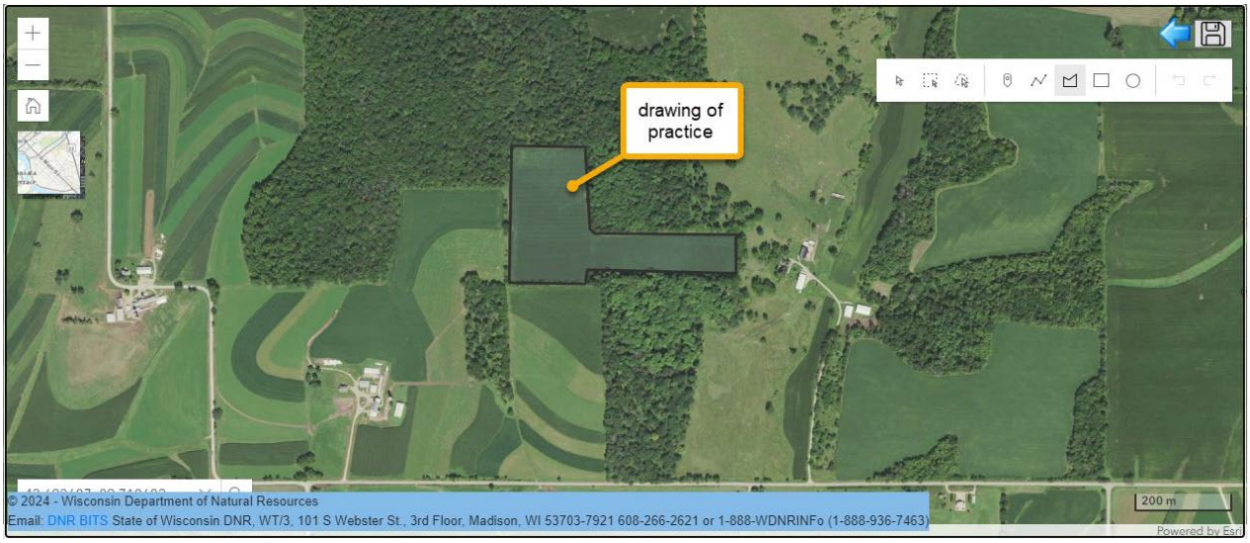



**Figure 4: Screenshot of BITS Reporting Draw Tool.**

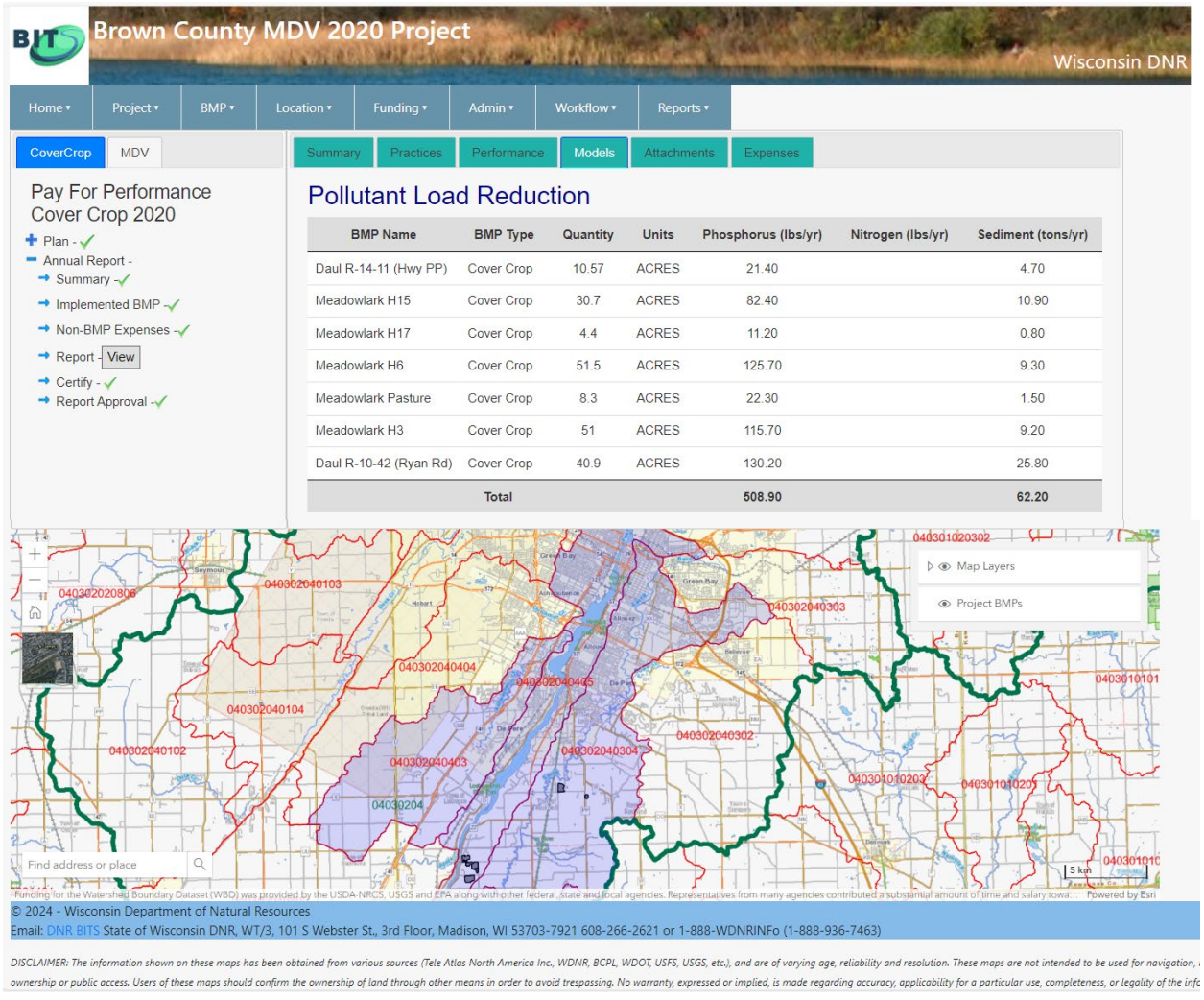



**Figure 5: Screenshot of BITS Reporting Pollutant Load Reduction Table and Practices Map.**

## Types of Practices Installed

Counties are required to use MDV funds to cost share various agricultural BMPs that reduce phosphorus loading to waters of the state. Practices must meet, or exceed, one or more of Wisconsin's ch. NR 151, Wis. Adm. Code, agricultural performance standards and prohibitions. A summary of all reported BMP types installed is provided in Table 4 below. For a complete definition of all BMPs, see Appendix A – Best Management Practice Definitions and Citations.

**Table 4: Summary of all BMPs Installed Using MDV Funds.**

| Management Practice Type | Performance Standard/Prohibition | Structural/ Cropping Designation | Number Installed |
|---|---|---|---|
| Animal Trails & Walkways | NR 154.04(7) | Structural | 2 |
| Barnyard Runoff Control Systems | NR 154.04(27) | Structural | 2 |
| Combo 06: Cover Crop & Residue Management* | NR 154.04(9) | Cropping | 2 |
| Combo 22: Livestock Fencing & Riparian Buffers* | NR 154.04(17) | Structural | 6 |
| Cover Crop | NR 154.04(9) | Cropping | 210 |
| Critical Area Stabilization | NR 154.04(10) | Structural | 17 |
| Diversions | NR 154.04(11) | Structural | 1 |
| Filter Strips | NR 154.04(13) | Structural | 6 |
| Grade Stabilization Structures | NR 154.04(14) | Structural | 7 |
| Harvestable Buffers | NR 154.04(13) | Cropping | 6 |
| Livestock Fencing | NR 154.04(17) | Structural | 3 |
| Livestock Watering Facilities | NR 154.04(18) | Structural | 1 |
| Manure Storage System Closure | NR 154.04(4) | Structural | 5 |
| Manure Storage Systems | NR 154.04(3) | Structural | 2 |
| Milking Center Waste Control Systems | NR 154.04(36) | Structural | 1 |
| Prescribed Grazing | NR 154.04(22) | Structural | 9 |
| Residue Management | NR 154.04(24) | Cropping | 452 |
| Riparian Buffers | NR 154.04(13) | Structural | 2 |
| Stream Crossing | NR 154.04(17) | Structural | 2 |
| Streambank/Shoreline Protection | NR 154.04(17) | Structural | 21 |
| Waste Transfer Systems | NR 154.04(36) | Structural | 2 |
| Wastewater Treatment Strips | NR 154.04(37) | Structural | 1 |
| Water & Sediment Control Basins | NR 154.04(38) | Structural | 7 |
| Waterway Systems | NR 154.04(39) | Structural | 42 |
| Wetland Development or Restoration | NR 154.04(41) | Structural | 2 |

**DNR developed "combo" practice types for use in BITS. Combos are used when multiple practices are employed across the same land area and work together to cause a pollution reduction.*

Each practice in Table 4 is assigned the designation of structural or cropping based on the following criteria:

Structural – A practice that is designed and built or installed on the landscape to last multiple years if maintained properly.

Cropping – A practice that is planted or installed on the landscape as part of annual field cultivation. This practice requires specific actions to reestablish in subsequent cropping years.

A count of practices reported in BITS (from funding years 2018 – 2022) indicates the most commonly employed cropping practice types are residue management and cover crops. These cropping practices may be the most readily integrated into existing farming operations while maintaining acreage under cultivation. Furthermore, in counties where conventional row crop agriculture makes up a large portion of land use, there are many candidate fields that can receive cropping practices to reduce phosphorus loads while the owner or operator continues to cultivate the same number of acres. Structural practices, on the other hand, may displace acreage under cultivation, making these types of practices more costly. If engineering, purchase of materials or construction costs are considered, these may also make certain structural practices more time consuming and costly. Cost share contracts for cropping practices often range from one to three years in duration.

Structural practices are sometimes seen as a more reliable way to reduce agricultural phosphorus sources over the long term. Structural practices are often designed to function across a range of climactic conditions, flow regimes, and pollutant loads. An up-front investment of time, materials, earthwork, and/or vegetation establishment is often required at significant cost. Accordingly, MDV cost share contracts for structural practices typically carry longer term commitments than cropping practices, ranging from 5 – 20 years. Structural practices typically reduce more pollution on a per-acre basis than cropping practices.

Both structural and cropping practices will be required across Wisconsin watersheds to achieve water quality goals. County efforts to address significant sources of phosphorus pollution have employed both types of practices based on professional judgement, site prioritization, and landowner needs.

County use of MDV funding has resulted in the following:

- 6,537 acres of cover crops planted;
- 141 acres of eroding critical area near waterways have been stabilized with perennial vegetation;
- Residue management (i.e., using reduced or no-till tillage) was adopted on 8,600 acres of cropland;
- Over 16,000 liner feet of eroding streambank or shoreline has been stabilized.

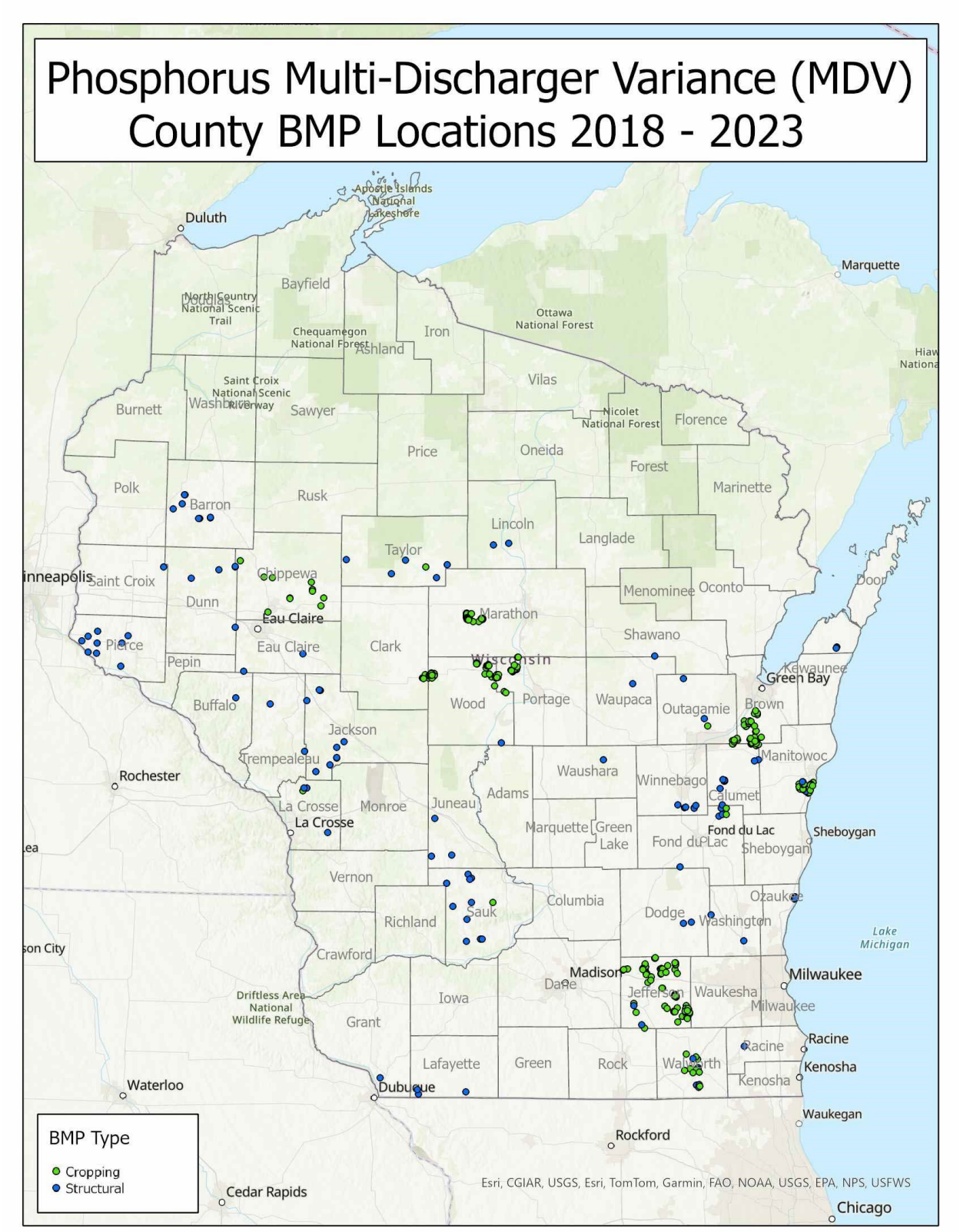
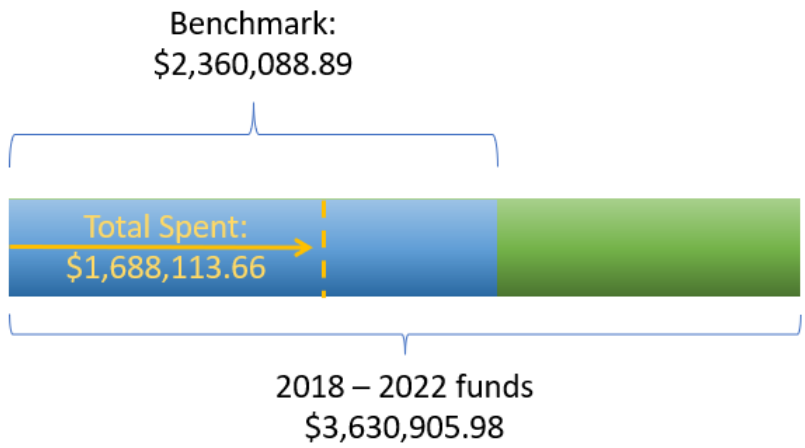



**Figure 6. Location of all BMPs installed by counties under the MDV program for reporting years 2018 - 2023**

## Cost of Practices

According to data obtained from BITS in June of 2024, $1,688,113.66 was the total MDV funding that was paid by counties for all practices reported. While this number is much lower than the $5,812,125.03 that has been sent to counties, there are several reasons why spending may lag behind funding disbursement. First, it is important to recognize that a 26-month delay occurs as a result of the planning and implementation timeframe. Therefore, as of late 2024, the MDV reporting timeline would only require funding years 2018 – 2022 to be accounted for. The total disbursement for this period is $3,630,905.98. Additionally, 65% of MDV funding is required to be spent on practices themselves while 35% may be used for non-BMP expenses such as staff time, monitoring, modeling, or activities that lead to practice adoption. Applying the 65% minimum the 2018 - 2022 disbursement period total yields the value of $2,360,088.89, which is appropriate to serve as the benchmark for full/timely implementation. Considering the above values, counties are currently at 72% of the benchmark.

**Table 5: Visual Depiction of MDV Funds Spent on Practices**




MDV guidance provides for a 12-month extension to the MDV reporting timeframe for extenuating or unforeseen circumstances. Many counties have requested reporting extensions due to the factors discussed in the *county participation trends* section.

## Verification/Inspection of Practices

Statute requires that counties, as part of the planning process: "Describe the measures it will take to ensure that each project that it funds is completed and evaluated." Therefore, criteria for MDV plan approval include a requirement that Counties specify a verification protocol. Visual on-the-ground site inspections are most commonly employed by counties to complete verification. Within the annual report, inspection results can be attached to each BMP record. Counties commonly attach photos of established practices when completing annual reports. DNR reviewers ensure that annual reports contain results from the agreed-upon verification protocol.

## Phosphorus Reduction Modeling

The MDV program requires that all practices established with MDV funds be quantified in terms of phosphorus reduction. Pursuant to s. 283.16(8)(b)3. Wis. Stats., counties must "quantify, in pounds, the associated phosphorus reductions achieved using accepted modeling technology". MDV guidance specifies quantification protocols for commonly-employed agricultural BMPs. Most of these involve

field-scale models such as Snap Plus or RUSLE2 to ensure that model results most accurately reflect site-specific conditions. Counties will typically use a model to quantify pollutant loading from a site prior to practices being established, and run another iteration of the model with cost-shared practices established to determine the pollutant load reduction that occurs due to the cost-shared practices. In some cases, DNR has supported counties using surrogate pollutant reduction values from preexisting modeling exercises if the site-specific conditions align well with preexisting model assumptions.

**Table 6: Nonpoint Source Models Specified for Various BMPs**

| BMP Type | Modeling Approach Specified in MDV Guidance |
|---|---|
| Nutrient management plan, filter strips/buffer strips, conservation or no-till, and cover crops | SNAP Plus or equivalent model results compared to baseline |
| Streambank stabilization and grassed waterways | STEPL or NRCS recession volumetric equations |
| Barnyard practices | University of Wisconsin Barnyard Tool APLE or equivalent method |
| Sediment control basins | RUSLE2 |

## Phosphorus Reductions Achieved

Each BMP reported by counties is assigned a phosphorus reduction value. See Appendix C: Comprehensive List of MDV Best Management Practices for modeled reductions from all practices installed with MDV funds. The total for all practices over the entire MDV implementation period is 58,123.3 pounds.

**Table 7: Total Modeled Phosphorus Reductions**

| County Reporting Year | Offset (lbs/yr)-Structural Practices | Offset (lbs/yr)-Cropping Practices |
|---|---|---|
| 2019 | 575.6 | 0 |
| 2020 | 2,868.83 | 11,011.50 |
| 2021 | 6,982.54 | 6,392.74 |
| 2022 | 14,492.66 | 7,274.46 |
| 2023 | 639.02 | 6,993.97 |

Structural practices make up roughly 25,000 pounds of modeled phosphorus reduction while cropping practices generate roughly 31,000 pounds of modeled phosphorus reduction.

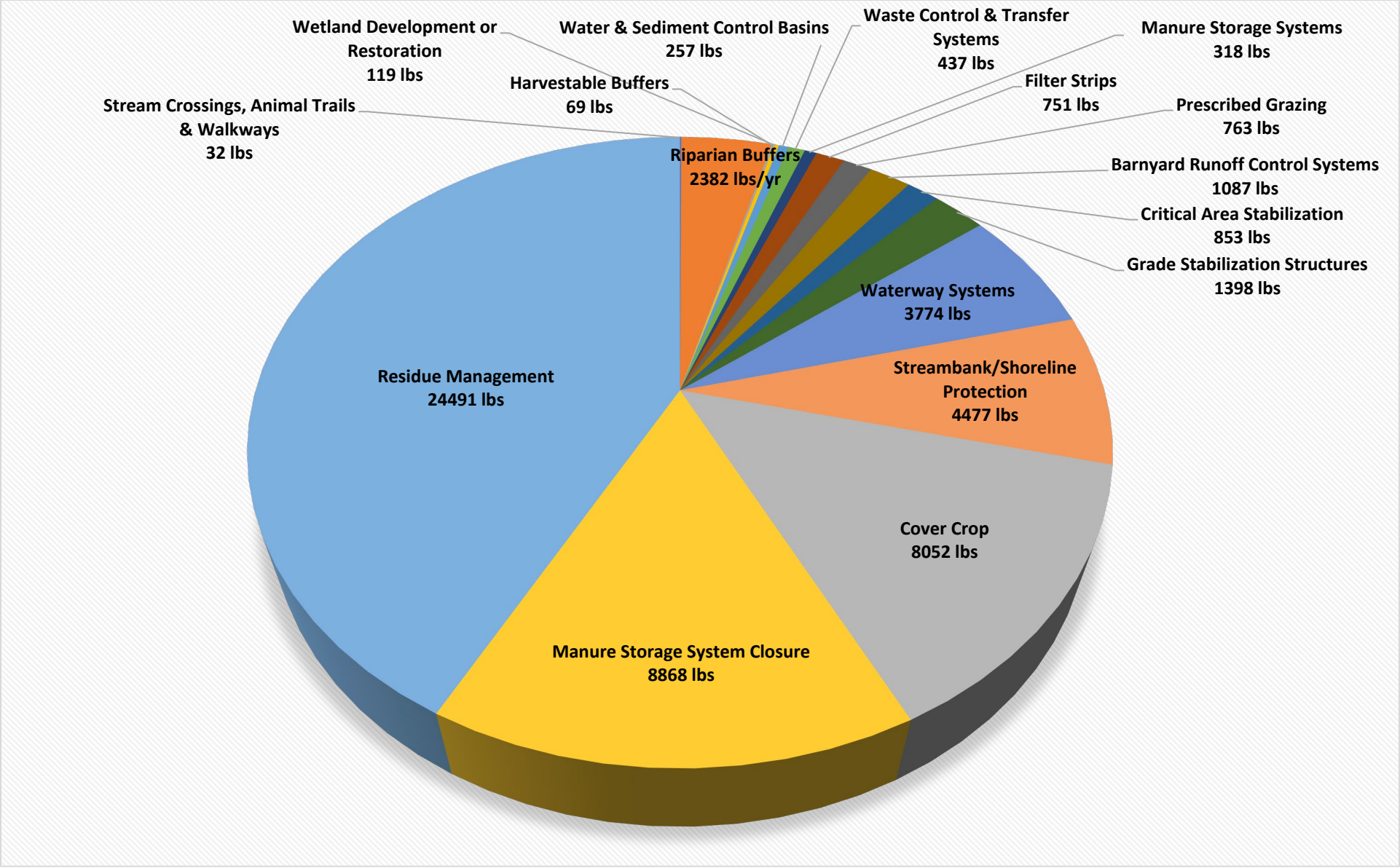



Figure 7: Summary of Modeled Pollutant Load Reductions Achieved by Practice Type

Reductions are achieved across the state generally commensurate with the level of funding made available by dischargers.

**Table 8: Total Modeled Phosphorus Reductions by HUC 8 Watershed, Listed Alphabetically**

| HUC 8 Watershed | Modeled Phosphorus Reduction (lbs) |
|---|---|
| Apple-Plum | 45 |
| Baraboo | 4356 |
| Black | 12485 |
| Buffalo-Whitewater | 574 |
| Castle Rock | 4198 |
| Door-Kewaunee | 184 |
| Eau Claire | 457 |
| Grant-Little Maquoketa | 30 |
| La Crosse-Pine | 436 |
| Lake Dubay | 7470 |
| Lake Winnebago | 3970 |
| Lower Chippewa | 364 |

| HUC 8 Watershed | Modeled Phosphorus Reduction (lbs) |
|---|---|
| Lower Fox | 4667 |
| Lower Wisconsin | 437 |
| Manitowoc-Sheboygan | 1646 |
| Middle Rock | 2151 |
| Milwaukee | 36 |
| Pecatonica | 560 |
| Red Cedar | 8393 |
| Rush-Vermillion | 1971 |
| Trempealeau | 280 |
| Upper Fox (IL) | 1035 |
| Upper Rock | 1923 |
| Wolf | 453 |

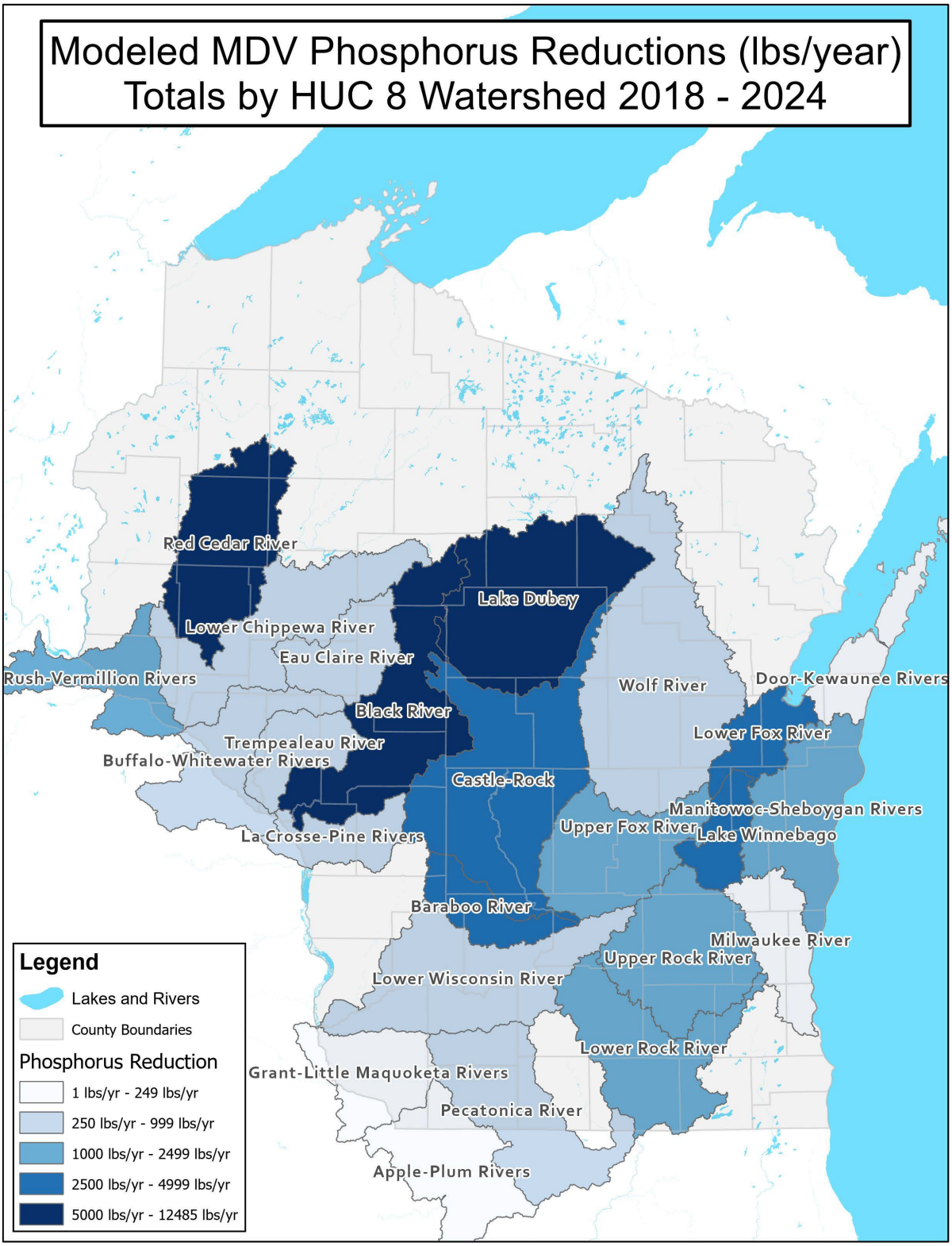



Figure 8: Modeled Phosphorus Reductions by HUC 8 Watershed

## Longevity of Practices

It is important to note that not all cropping practices are required to remain on the landscape in subsequent years after MDV cost share dollars are provided to establish them. Based on a survey of the six counties that have implemented the most annual cropping practices, none have regularly issued ch. NR 151, Wis. Adm. Code, compliance letters to mandate future adoption of agricultural practices after MDV funding is ceased. Many counties typically pay producers annually for practices implemented under a cost share agreement, and then work to repeat the cost share agreement after the initial agreement expires. Some counties, when responding to the survey, went on to state that although producer commitments are typically only annual in duration, the long-term benefits of building soil health, integrating the new cropping practices into farming operations, and proliferating acceptance of cropping practices *does* work to cause long-term management changes and long-term pollution reductions. The annual duration of cropping practices is reflected in the cumulative load reduction exercise (scenario 1) found later in this document.

Based on data entered into BITS, structural practices most commonly have a design life of 10 years. Agreements established with landowners typically reflect the longer-term commitment that comes with the investment of constructing a structural practice. See Appendix C for comprehensive BMP design life data.

## Self-directed and Third-Party Offsets

As discussed previously, the majority of dischargers seeking MDV coverage have selected the county payment offset, while nine dischargers have selected a self-directed or third-party offset. Using the third-party approach, permittees are required to contract with a third party (typically a landowner) for nonpoint source projects that reduce phosphorus contributions to waters of the state. Dischargers can also implement a self-directed reduction on their own land, which would be recognized by a written agreement between the permittee and DNR. In either case, projects are documented via an MDV watershed plan, modeled using DNR-accepted methods, and shown to be sufficient to offset the mass discharged above a target value. The target value is commonly set at 0.2 mg/L, per s. 283.16(1)(h), Wis. Stats.

**Table 9: Self-directed and Third-party Watershed Projects**

| Facility Name | Year Established | Phosphorus Load Reduction (lbs/yr) | Nonpoint Source Practices Implemented |
|---|---|---|---|
| Richland Center Wastewater Treatment Facility | 2018 | 850 | Streambank Stabilization |
| Galesville Wastewater Treatment Facility | 2019 | 515 | Perennial Vegetation, Streambank Stabilization |
| Norwalk Wastewater Treatment Facility | 2019 | 88 | Streambank Stabilization |
| Marathon Water & Sewer Department | 2020 | 475 | Cover Crops |
| Ellsworth Wastewater Treatment Facility | 2021 | 517 | Streambank Stabilization |
| Lakeside Foods -Belgium | 2021 | 34 | Perennial Vegetation |
| East Troy Wastewater Treatment Facility | 2022 | 203 | Cropping Practices |
| Whitewater Wastewater Treatment Facility | 2022 | 114 | Perennial Vegetation |
| Potosi-Tennyson Sewerage Commission | 2023 | 831 | Perennial Vegetation |

The self-directed/third-party approach to achieving a phosphorus offset has many aspects that more closely resemble water quality trading than the MDV county payment system. Under the self-directed/third-party approach, the specific project and phosphorus reduction equations are directly referenced in the permittee's WPDES permit. Annual reports are submitted by the permittee that summarize annual practice inspection results and make a comparison to effluent phosphorus loading during the prior year. Sections 283.16(6)(b)2. and 3., Wis. Stats., require that a permittee's annual load discharged above the target value be offset each year by the implemented projects. Therefore, all projects established under the self-directed/third-party offset are legally required to be maintained for the duration that a point source remains covered under the MDV.

# Phosphorus Reductions Projection & Comparison

## Scope

To evaluate the effectiveness of the MDV in achieving phosphorus reductions, this document builds upon the 2017 EPA Evaluation methods for projecting 10-year cumulative phosphorus loading reductions. The primary difference between the 2017 EPA evaluation and this evaluation is the use of actual program implementation data for this document. Many of the inputs to the 2017 evaluation were projections based on available literature and generally limited to a single, hypothetical point source discharger. In contrast, DNR now has data for phosphorus offsets and optimization activities undertaken by approximately 150 dischargers, and site-specific information regarding agricultural nonpoint pollution reduction practices installed with that funding. The following variables in the current analysis are derived directly from 2017 – 2023 program data:

- Point source phosphorus loading from dischargers while covered under the MDV;
- Offset payments made by dischargers to counties;
- County use of funding:
    - Amount of funding used for agricultural nonpoint practices;
    - Types and locations of practices installed;
    - Modeled pollutant load reduction achieved by each practice and supporting documentation;
    - Cost effectiveness of practices in reducing phosphorus loading to surface waters;
- Self-directed and third-party offset projects implemented in lieu of making county payments.

After developing a baseline of MDV implementation based on real data, the analysis then makes a 10-year projection of pollution reductions likely to be achieved. Future years' pollutant reductions are based on an extrapolation of past years' outcomes. While some factors are difficult to predict (such as the number of permittees granted MDV coverage in future years), conservative assumptions are used to help account for these uncertainties.

The 10-year projection is completed for facilities engaged in the county payment option only. Third-party and self-directed offset mechanisms are evaluated using current data only, later in this document.

## Point Source Loadings

Point source phosphorus loadings were obtained from discharge monitoring report (DMR) data for those permittees covered under the MDV (county payment option) for all years 2017 - 2023. Monthly phosphorus loading is calculated based on the average of phosphorus sample results for a given month (reported in mg/L), total monthly flow volume (reported in million gallons/month), and the conversion factor of 8.34. The monthly loading that would be achieved under compliance with WQBELs was also calculated. This is done using the same total monthly flow and conversion factor as above, but with a concentration equal to the phosphorus WQBEL used for each month. For mass-based WQBELs, a concentration-equivalent value is assigned for use in the equation. Results from the point source loading analysis (Table 10) indicate that total point source loading in excess of WQBELs for all dischargers with MDV coverage is 24,852 lbs/year for 2023.

Table 10: Point Source Loading Analysis Results

| Year | Number of Facilities | Mass Discharged During MDV Coverage (lbs/yr) | Mass Discharged if WQBELs met (lbs/yr) | Difference (Reduction if Meeting WQBEL) |
|---|---|---|---|---|
| 2017 | 2 | 89.24 | 19.12 | 70.12 |
| 2018 | 34 | 28,360.64 | 15,660.03 | 12,700.61 |
| 2019 | 73 | 55,547.78 | 35,930.57 | 19,617.20 |
| 2020 | 98 | 50,124.51 | 35,901.09 | 14,223.42 |
| 2021 | 119 | 47,560.99 | 17,769.09 | 29,791.90 |
| 2022 | 125 | 46,409.87 | 20,198.84 | 26,211.03 |
| 2023 | 131 | 46,172.01 | 21,319.89 | 24,852.12 |

## County Payments as a Driver of Point Source Optimization

When considering the above data, it is evident that point source phosphorus treatment optimization has substantially reduced total loads to surface waters. For example, the per capita phosphorus exceedance of the unvaried phosphorus standards in 2023 was 189 lbs/year. While some larger facilities will inherently discharge a higher mass of phosphorus due to higher flows, the majority of dischargers covered under the MDV can best be described as small municipal facilities who have optimized phosphorus treatment to a great extent.

To put optimization activities in perspective, it is useful to consider the range of potential phosphorus concentrations in effluent. Typical effluent phosphorus concentrations for municipal wastewater without phosphorus treatment range from 4 – 7mg/L. By installing some form of traditional (biological or chemical) phosphorus removal, concentrations can be reliably reduced to below 1 mg/L. Through further optimization of traditional treatment, many wastewater facilities can achieve 0.5 or 0.4 mg/L. The median monthly result for all dischargers covered under the MDV in 2023 was 0.42 mg/L. The MDV has required small and mid-size dischargers statewide to adopt phosphorus treatment for the first time, as the previously-existing technology based limits under ch. NR 217 did not apply to small and mid-sized dischargers.

Feasible treatment for those facilities covered under the MDV is typically chemical and/or biological treatment upgrades. Typical permitting approaches for this type of feasible treatment upgrade involve issuing a 1.0 mg/L interim limit for phosphorus and a requirement to optimize. This limit may be lowered at the next permit reissuance, five years later, based on performance during the permit term. While this approach is effective, it offers little incentive for facilities to optimize well below the applicable interim limit. Permit conditions may or may not be able to stipulate appropriate operational changes to force optimization to occur, as operational changes are very site specific, and may also require in-situ adjustment of treatment, such as dosing more chemical during higher periods of flow, or augmenting carbon ahead of a biological treatment process.

The MDV county payment provisions offer a reduced annual payment as incentive for reducing effluent phosphorus loading. Because payments are based on the amount of phosphorus discharged, there is an ever-present motivation to reduce phosphorus loadings to the greatest extent practical. Permittees covered under the MDV have been observed optimizing well below applicable interim limits, prior to the

interim limit's effective date. Furthermore, operators are able to fine-tune treatment systems to take advantage of time-limited phenomena such as low-flow periods to drive phosphorus concentrations down further. From a permitting perspective, these opportunities are difficult or not practical to mandate based on a predefined interim limit that must be met each month. Furthermore, some facility operators or managers may take pride in minimizing the MDV payment, which may result in better outcomes at each facility.

A continuum of progress (Figure 9) may be observed when implementing numeric water quality standards such as Wisconsin's phosphorus standards. Preexisting technology-based limits may have been in effect, or limits based on narrative standards may be in effect on a localized basis. While these define a starting point for some facilities, many others may not have phosphorus limits or phosphorus treatment when the standard is adopted. For those who cannot feasibly upgrade to meet the water quality standard in the near-term, a variance may require adoption of a feasible (lesser) treatment to comply with highest attainable condition requirements. The next phase is achieved after treatment is adopted, and time and resources are invested in operating the treatment process at the highest level of effectiveness to discharge the least amount of pollutant practicable. Once this occurs, if treatment to comply with the standard is still not feasible, then watershed reductions (projects caused by the discharger) are next step along the continuum. The watershed reductions achieved may eventually make up for the inability to meet the application water quality based effluent limit via a treatment upgrade.

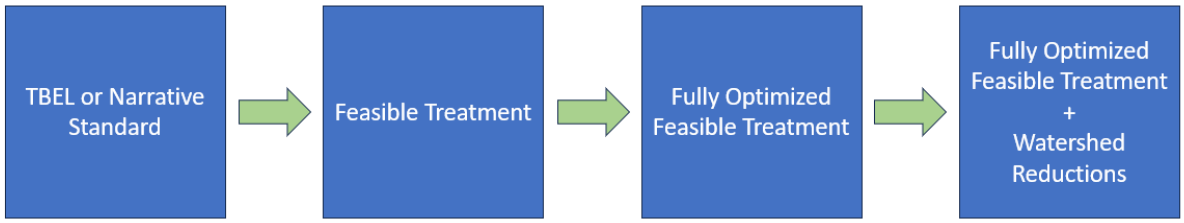



**Figure 9. The variance progress continuum visualized**

As suggested above, the MDV efficiently pushes dischargers through this continuum by incentivizing optimization and requiring watershed projects to occur. The flowing (Figure 11) demonstrates the latter three levels of the continuum, as observed when implementing Wisconsin's approach to individual and multi-discharger phosphorus variances. Reductions are calculated from the phosphorus loading commensurate with the beginning of the continuum. This loading is determined by any previously-effective effluent limits based on TBELs or narrative standards. For those facilities with no preexisting phosphorus limits, initial pollutant loads are calculated based on preexisting pollutant discharge concentrations, prior to adoption of the numeric standard. For the purposes of this analysis "feasible treatment" is defined as facilities achieving the default interim limits specified in statute at s. 283.16(6)(a), Wis. Stats. See Appendix B for each discharger's annual average flow and concentration values contributing to the total load reductions used in this section.

Based on an evaluation of all facilities utilizing the county payment option:

Preexisting Loading → Feasible Treatment Approach = 81,958 lbs/yr reduction

Preexisting loading → Observed 2024 Loading = 114,276 lbs/yr reduction

Point source reduction timeframes, for purposes of the projection, acknowledge that each facility would be given a compliance schedule to construct a facility upgrade to meet the applicable interim limit. While these schedules may range from 2 to 5 years depending on circumstances, the most common instance would be upgrade completion required in the third year of a reissued permit. Pollutant load reductions would then begin to accrue the following year (fourth year) and would occur each year thereafter. Therefore, point source reductions are treated as cumulative for the purposes of a long-term projection.

**Table 11: Annual Point Source Load Reduction Accumulation**

| Year | Feasible Treatment Cumulative Load Reduction (lbs) | MDV-Driven Optimization Cumulative Load Reduction (lbs) |
|---|---|---|
| 2018 | 0 | 0 |
| 2019 | 0 | 0 |
| 2020 | 0 | 0 |
| 2021 | 81,958 | 114,276 |
| 2022 | 163,916 | 228,553 |
| 2023 | 245,875 | 342,829 |
| 2024 | 327,833 | 457,106 |
| 2025 | 409,791 | 571,382 |
| 2026 | 491,749 | 685,659 |
| 2027 | 573,708 | 799,935 |
| 2028 | 655,666 | 914,212 |
| 2029 | 737,624 | 1,028,488 |
| 2030 | 819,582 | 1,142,765 |
| 2031 | 90,1540 | 1,257,041 |
| 2032 | 983,499 | 1,371,318 |
| 2033 | 1,065,457 | 1,485,594 |
| 2034 | 1,147,415 | 1,599,870 |
| 2035 | 1,229,373 | 1,714,147 |
| 2036 | 1,311,331 | 1,828,423 |
| 2037 | 1,393,290 | 1,942,700 |

## Nonpoint Reductions Projection

Based on the county MDV implementation data and concepts discussed earlier in this document, a projection can simulate phosphorus loading reductions under ongoing implementation of the MDV county payment program. The projection is made to year 2037, which is ten years following the current MDV's expiration date. The following sections discuss projection inputs and assumptions behind those inputs. The projection is captured numerically in Table 12 and graphically in Figure 8 and Figure 9.

County Participation

It is assumed that multiple Wisconsin counties will continue to accept MDV funds over the next ten years. The number of counties participating in the MDV program are unlikely to impact this statewide analysis, though local outcomes would vary. Enough counties would need to participate to ensure that each county's capacity for coordinating projects was not exceeded. For example, only one or two counties participating statewide would result in roughly $500,000 to $1,000,000 of funding annually to each county, at which point the counties would potentially struggle to utilize the funding at current efficiencies, given current staffing and other constraints. DNR has observed, however, that counties are able to efficiently utilize up to $100,000 of MDV funding per year. Therefore, county participation could dwindle to some degree without causing an implementation bottleneck in the next decade. The effects of dwindling county participation could be further offset by the remaining counties receiving greater amounts of funding – enough, potentially, to hire dedicated staff and increase implementation capacities.

County Cost Share Implementation

Counties will continue to cost share for agricultural nonpoint source practices over the next decade. Cost share will continue to address significant agricultural sources of phosphorus. While the 2017 EPA Evaluation discussed diminishing efficiencies over time as the most significant sources are addressed, leaving less significant sources to work with over time, DNR's experience is that this is unlikely to occur over the MDV implementation time horizon of 10-20 years with only roughly $1 million of annual funding. First, not all counties are able to select project sites addressing the worst/highest loading agricultural operations. Addressing these sites would often require enforcement actions be taken to meet ch. NR 151, Wis. Adm. Code, performance standards and prohibitions via formal offer of cost share, which not all counties have staffing resources or political support for. Second, in most watersheds, agricultural phosphorus pollution is of far greater magnitude than the cost share provided by the MDV. For example, the Wisconsin River TMDL, approved by EPA in 2019, identifies a baseline agricultural nonpoint source phosphorus load of 837,935 lbs/year. The TMDL-wide reduction needed from this source is 68%, or 569,795 lbs/year. When expressed as an edge-of-field value, this number grows to 1,909,090 lbs/yr. Given the Wisconsin River is only a fraction of the state's watershed area with phosphorus-related impairments, it is unlikely that a statewide pool of ~$1.1M generated by the MDV will cause a substantial shift in opportunities available for phosphorus reduction projects.

Pollution Reductions Achieved Annually

Actual modeled nonpoint source reductions from funding years 2018 – 2022 are used to characterize a baseline level of nonpoint source implementation achieved by the program thus far. Data for the 2023 funding year is omitted due to only a partial dataset available at the time of conducting this analysis (county reports for this funding year are not due until May 1, 2025). A projection of nonpoint source reductions achieved for each year is made based on this demonstrated performance over the 2018 - 2022 time period. The following steps are used to make this projection:

1. Estimate expected county payments. The expected annual payment is $1,104,932.32 based on the average of 2021 – 2024 payment years. This value is applied to all future years.
2. Evaluate efficacy of existing projects on a dollar-per-pound basis. This is done by dividing the total amount of MDV funding received for a given year by the modeled phosphorus reductions

achieved for that same year. This approach fails to account for implementation delays beyond the statutory 26-month planning and reporting timeline by excluding future unreported projects from the accounting. Accordingly, this analysis likely underestimates total phosphorus reductions to be achieved in future years.

3. Calculate an average efficacy ($54.41/lb) based on 2020 – 2022 county reporting.
4. Apply the average efficacy to future payments, which indicates that 20,307.52 lbs/yr of phosphorus reduction will be achieved.

Cumulative Pollution Reduction Achieved

For pollutant loading reductions, most water quality analyses focus on a pounds-per-year metric. The 2017 EPA Evaluation took a cumulative approach, however, as a way to compare the long-term environmental benefits attributed to point and nonpoint source reductions. For this analysis, cumulative nonpoint phosphorus loading reductions were calculated as follows:

1. Each year of projected nonpoint source reduction is divided into two categories based on practice type: structural and cropping. Future projects are assumed to be 50.2% cropping and 49.8% structural, based on the pollutant load reduction values observed for each category for 2019 – 2022.
2. Cumulative load reductions are realized the year after the project installation date specified in BITS.
3. Two accumulation scenarios are calculated:
    a. Scenario 1: Structural practices are assumed to remain on the landscape long-term, with pollutant reductions handled as cumulative because environmental benefits are delivered each subsequent year following installation. Cropping practice reductions are counted for a single year only.
    b. Scenario 2: Structural practices are handled identically to Scenario 1 structural practices. Cropping practices are also assumed to remain on the landscape, delivering benefits year-after-year for the duration of the projection.

Scenario Comparison

As discussed previously, the longevity of agricultural practices plays a key role in determining the long-term environmental outcomes of the MDV program. This concept was recognized in the EPA 2017 Evaluation and approval of the MDV, with specific mention of ch. NR 151, Wis. Adm. Code, agricultural performance standards and prohibitions. From the 2017 EPA Evaluation: "Because Wisconsin's nonpoint source performance standard rules at NR 151 require that farmland that meets nonpoint source performance standards as a result of the provision of cost-share then meet nonpoint source performance standards in perpetuity, EPA assumed that any reduction in TP load realized as a result of the provision of cost-share to implement BMPs would be maintained and occur each year for the remainder the of the MDV's 10-year term." Put differently, because MDV payments are used in the framework of ch. NR 151, Wis. Adm. Code, implementation, there is an expectation that cost-share results in ongoing compliance with the applicable ch. NR 151, Wis. Adm. Code, performance standard(s). In many cases, this means that agricultural practices will remain on the landscape even after MDV funding for those practices is curtailed. It is important to note that multiple types of practices may achieve compliance with the same ch. NR 151, Wis. Adm. Code, performance standard. While the specific practice may

change (i.e. cover crops or residue management), the pollutant loading reduction will generally remain (i.e. compliance with s. NR 151.04, Wis. Adm. Code, phosphorus index standard) even if different practices are used from year to year. It is for these reasons that the 2017 EPA Evaluation assumed all pollutant load reductions implemented under the MDV would provide pollution-reduction benefits each year after installation and were therefore cumulative.

As discussed previously (see: "Longevity of MDV Practices" section), counties who applied for MDV funds have taken a more flexible approach to MDV implementation; specifically, most counties are not issuing ch. NR 151, Wis. Adm. Code, compliance letters when providing cost share for practices that meet one or more ch. NR 151, Wis. Adm. Code, standards, and often times do not ensure/verify that cropping practices remain on the landscape in future years through a legally-binding contract. DNR has not required such documentation when reviewing and approving county MDV plans and annual reports – in part to encourage county participation in the MDV program. DNR has required, however, that counties use MDV funding to address sites that exceed ch. NR 151, Wis. Adm. Code, agricultural performance standard pollution loading levels, or TMDL-established agricultural targets in some cases. A greater emphasis has been placed by DNR on selection of meaningful projects from a cost-effectiveness of phosphorus reduction standpoint. When considering costs in this manner, it is also important to consider county staff coordination costs. It is broadly acknowledged, by both DNR and county staff, that formal enforcement activities carry a far greater staff cost burden for counties and DNR from an administrative perspective. Most Wisconsin counties have employed administratively-streamlined voluntary phosphorus reduction programs that have achieved highly cost-effective phosphorus reductions and many counties have also pointed out there are some long-term results of voluntary practice adoption, which include broader integration of BMPs into farming operations and cultural awareness/acceptance of conservation practices. In summary, MDV participation and practice adoption has been bolstered by implementation flexibility while placing less emphasis on legally-mandated environmental gains on a project-specific basis.

Table 12: Nonpoint Reductions Accounting and Projection 2017 – 2037 (projected values shaded blue)

| Discharge Year | Annual Nonpoint Source Reduction (lbs/yr) | Cumulative Nonpoint Source (Scenario 1) (lbs/yr) | Cumulative Nonpoint Source (Scenario 2) (lbs/yr) | Structural Practice Reduction (lbs/yr) | Cropping Practice Reduction (lbs/yr) | Payment (Year of County Cost Share) | $/lb Efficacy |
|---|---|---|---|---|---|---|---|
| 2017 | 0 | 0 | 0 | 0 | 0 | $ - | $ - |
| 2018 | 0 | 0 | 0 | 0 | 0 | $ - | $ - |
| 2019 | 0.00 | 0.00 | 0.00 | 575.60 | 0.00 | $ 2,606.02 | $ 4.53 |
| 2020 | 575.60 | 575.60 | 575.60 | 2,868.83 | 11,011.50 | $ 619,363.60 | $ 44.62 |
| 2021 | 13,880.33 | 14,455.93 | 14,455.93 | 6,982.54 | 6,392.74 | $ 938,116.95 | $ 70.14 |
| 2022 | 13,375.28 | 16,819.71 | 27,831.21 | 14,492.66 | 7,274.46 | $ 937,241.50 | $ 43.06 |
| 2023 | 21,767.12 | 32,194.09 | 49,598.33 | 10,366.40 | 10,467.60 | $ 1,133,577.91 | $ 54.41 |
| 2024 | 20,834.00 | 45,753.63 | 70,432.33 | 9,614.43 | 9,708.30 | $ 1,051,349.61 | $ 54.41 |
| 2025 | 19,322.73 | 54,608.76 | 89,755.06 | 10,332.48 | 10,433.36 | $ 1,129,869.44 | $ 54.41 |
| 2026 | 20,765.84 | 65,666.30 | 110,520.90 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2027 | 20,307.52 | 75,540.47 | 130,828.42 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2028 | 20,307.52 | 85,644.91 | 151,135.94 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2029 | 20,307.52 | 95,749.34 | 171,443.47 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2030 | 20,307.52 | 105,853.78 | 191,750.99 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2031 | 20,307.52 | 115,958.22 | 212,058.51 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2032 | 20,307.52 | 126,062.66 | 232,366.04 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2033 | 20,307.52 | 136,167.10 | 252,673.56 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2034 | 20,307.52 | 146,271.54 | 272,981.08 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2035 | 20,307.52 | 156,375.97 | 293,288.60 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2036 | 20,307.52 | 166,480.41 | 313,596.13 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |
| 2037 | 20,307.52 | 176,584.85 | 333,903.65 | 10,104.44 | 10,203.08 | $ 1,104,932.32 | $ 54.41 |

## Nonpoint Scenario Comparison

The above projection indicates that counties will, on average, install cropping practices on an annual basis that achieve 10,203 lbs/yr of annual phosphorus reductions. They will install, on average, structural practices that achieve 10,104 lbs/yr of phosphorus reductions. Under both scenarios, structural practices will remain on the landscape and continue to deliver the 10,104 lbs/year over the analysis period. Under Scenario 1, cropping practices do not carry-over pollutant reductions into future years. Cumulative Scenario 1 results estimate that the MDV will achieve a nonpoint source phosphorus offset in the magnitude of 176,584.85 lbs by 2037. Scenario 2 assumes that all cropping practices remain on the landscape and continue to deliver pollutant reductions year after year following an initial one-time payment. These are also additive under the "Cumulative Nonpoint Source Reduction" column. Cumulative reductions are projected for Scenario 2 total to 333,903.65 lbs by 2037.

Figure 10 below graphically depicts the projected pollution reduction to year 2037. The figure compares results for scenario 1 and 2 over the same time period. Results from Scenario 2 indicate that county payments are likely to achieve far greater ongoing phosphorus reductions if all practices (both cropping and structural) can be maintained over the analysis period.

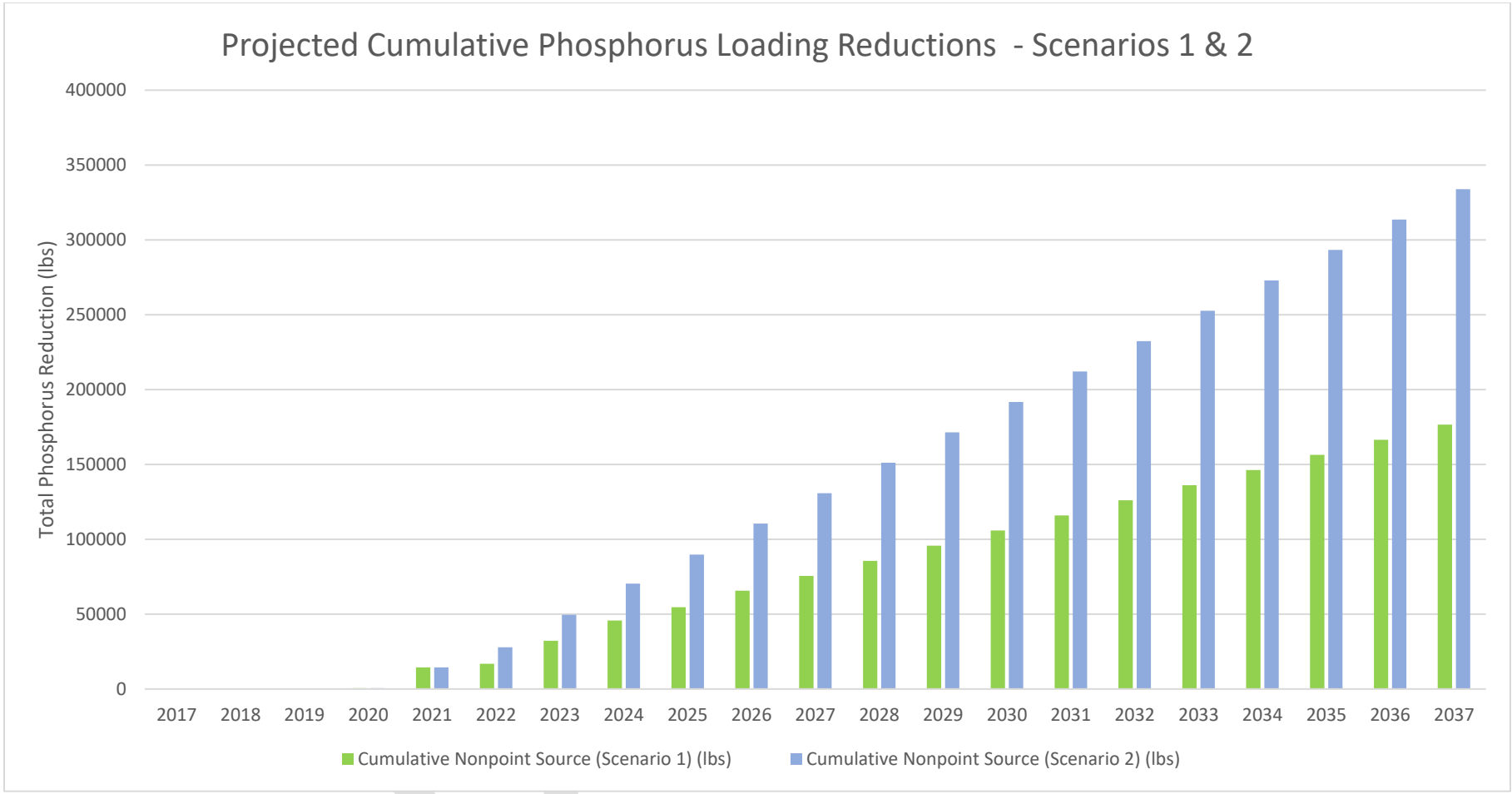



**Figure 10: Comparison of Projected Nonpoint Source Phosphorus Reductions From Scenario 1 and Scenario 2**

## Point Source and Nonpoint Source Outcomes of the MDV

As described in above sections, the MDV has resulted in substantial point and nonpoint source reductions of phosphorus pollution across the state. State statute sets specific requirements for both phosphorus treatment and optimization, as well as watershed projects that reduce phosphorus loss from agricultural sites. Because watershed offset requirements for a given point source are determined based on the amount of phosphorus discharged from that point source, these requirements work synergistically to drive treatment optimization at covered facilities.

The following list is a summary of point source outcomes observed to date:

- The median monthly total phosphorus concentration for MDV-covered dischargers was 0.42 mg/L in 2023.
- Point source loadings for MDV-covered dischargers have been reduced by roughly 67% compared to levels of discharge authorized prior to the 2010 phosphorus rule.

The following list is a summary of nonpoint source outcomes observed to date:

- 811 unique best management practices have been installed on the landscape by counties and partnering landowners under cost share contracts.
- Approximately 58,123 pounds of nonpoint phosphorus pollution have been prevented from entering Wisconsin's waters.

Projections indicate that new, additional best management practices will result in nonpoint source reductions of roughly 20,000 lbs/yr. Considering the number of practices that are guaranteed to remain on the landscape, the long-term cumulative impact is 176,584.85 pounds of phosphorus reduction. Ongoing treatment and optimization activities at MDV- covered wastewater treatment facilities are expected to result in 114,276 lbs/year of phosphorus reduction (when compared to level of treatment before the phosphorus rule). From a cumulative standpoint, 1,942,700 pounds of phosphorus are expected to be kept out of Wisconsin's waters. These results are depicted in Figure 11 below.

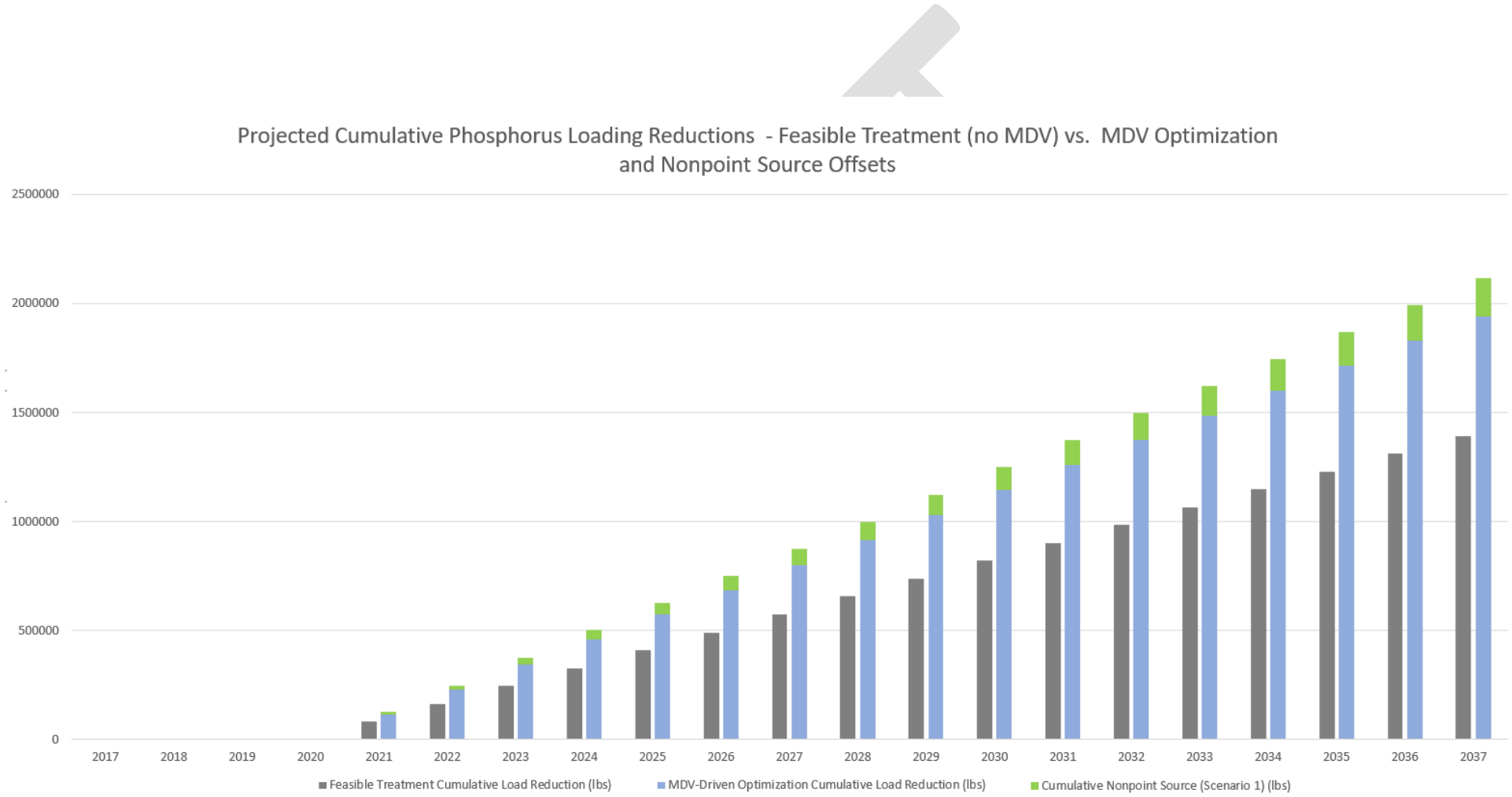



**Figure 11: Comparison between cumulative load reductions achieved under feasible treatment only and MDV outcomes, including optimization and nonpoint source reductions**

## Self-directed and Third-party Projects

**Table 13: Summary of All Self-directed and Third-party MDV Offset Project Load Reductions**

| Facility Name | Phosphorus Load Reduction Achieved (lbs/yr) | Total Effluent Phosphorus Load in 2022 (lbs/yr) | Loading at 0.2 mg/L (lbs/year) | Loading at 0.075 mg/L (lbs/year) | Loading in excess of 0.075 mg/L |
|---|---|---|---|---|---|
| Richland Center | 850 | 321 | 291 | 109 | 211 |
| Galesville Wastewater | 515 | 315 | 75 | 28 | 287 |
| Norwalk | 88 | 95 | 20 | 7.7 | 87 |
| Marathon Water & Sewer | 475 | 619 | 161 | 60 | 558 |
| Ellsworth | 517 | 258 | 151 | 56 | 201 |
| Lakeside Foods -Belgium | 34 | 64 | 48 | 18 | 46 |
| East Troy | 203 | 260 | 209 | 78 | 182 |
| Whitewater | 114 | 729 | 784 | 294 | 434 |
| Potosi-Tennyson | 831 | 1,074 | 161 | 60 | 1,013 |
| TOTAL | 3,627 | 3,735 | 1,900 | 710 | 3,019 |

The total of all self-directed/third-party watershed offsets amount to 3,627 lbs/year. The nonpoint projects nearly offset the total effluent phosphorus load for all facilities, which is 3,735 lbs/yr based on 2022 data. Had facilities instead installed treatment to achieve WQBELs, they would have discharged a total of 710 lbs/year, representing a reduction of 3,019 lbs/year below current discharge levels. Therefore, the amount of reductions that have been achieved with self-directed/third-party offsets is 20% greater than if all permittees had installed treatment to meet WQBELs. DNR expects that ongoing use of the self-directed/third-party offset mechanism will potentially result in greater phosphorus reduction outcomes than dischargers installing treatment to achieve WQBELs. This analysis does not account for uncertainty associated with modeled pollutant reductions.

# Appendix A – Best Management Practice Definitions and Citations

| **Practice and Wis. Adm. Code NR citations** | **Definition from ch. ATCP 50, Wis. Adm. Code** | **How the practice reduces phosphorus loading** | **Time needed for load reductions to begin** |
|---|---|---|---|
| **Manure Storage Systems** NR 154.04(3) | "Manure storage system" means a manure storage facility and related practices needed for the environmentally safe storage of manure at that facility. ATCP 50.62 | Prevents phosphorus from being released onto the land in an uncontrolled manner by collecting and storing manure | Phosphorus load reductions begin as soon as the storage system is constructed and begins being used. |
| **Manure Storage System Closure** NR 154.04(4) | "Manure storage system closure" means permanently disabling and sealing a leaking or improperly sited manure storage system. ATCP 50.63 | Prevents phosphorus from being released onto the land in an uncontrolled manner by permanently eliminating the storage system | Nutrient load reductions begin immediately when the defective storage system is decommissioned. (months) |
| **Barnyard Runoff Control Systems** NR 154.04(5) | "barnyard runoff control system" means a system of facilities or practices used to contain, divert, retard, treat, or otherwise control the discharge of runoff from outdoor areas of concentrated livestock activity. ATCP 50.64 | Prevents phosphorus from being released onto the land in an uncontrolled manner by controlling discharges of runoff from outdoor livestock areas | Nutrient load reductions begin immediately once the system is installed |
| **Access Roads & Cattle Crossings** NR 154.04(6) | "access road" means a road or pathway that confines or directs the movement of livestock, farm equipment, or vehicular traffic, and that is designed and installed to control surface water runoff, to protect an installed practice, or to prevent erosion. ATCP 50.65 | Prevents phosphorus from being released into areas that do not control surface water run-off. Also creates a barrier to phosphorus transport to surface waters. | Physical control of erosion and runoff. Effective immediately upon installation |

| Practice and Wis. Adm. Code NR citations | Definition from ch. ATCP 50, Wis. Adm. Code | How the practice reduces phosphorus loading | Time needed for load reductions to begin |
|---|---|---|---|
| **Animal Trails and Walkways**<br>NR 154.04(7) | "trail or walkway" means a travel lane to facilitate movement of livestock or people. ATCP 50.66 | Prevents phosphorus from being released into areas that do not control surface water run-off. Also creates a barrier to phosphorus transport to surface waters. | Physical control of erosion and runoff. Effective immediately upon installation |

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| **Critical Area Stabilization**<br><br>NR 154.04(10) | "critical area stabilization" means planting suitable vegetation on erodible areas such as steep slopes and gullies, so as to reduce soil erosion or pollution from agricultural nonpoint sources. "Critical area stabilization" may also include treating areas that drain into bedrock crevices, openings, or sinkholes. ATCP 50.69 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective once vegetation is in place. (partial growing season) |
| **Diversions**<br><br>NR 154.04(11) | "diversion" means a structure installed to divert excess surface runoff water to an area where it can be used, transported, or discharged without causing excessive soil erosion. "Diversion" includes a channel with a supporting earthen ridge on the lower side, installed across the slope with a self−discharging and non−erosive gradient. ATCP 50.70 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Field Windbreaks**<br><br>NR 154.04(12) | "field windbreak" means a strip or belt of trees, shrubs, or grasses established or renovated within or adjacent to a field, so as to control soil erosion by reducing wind velocities at the land surface. ATCP 50.71 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Filter Strips**<br><br>NR 154.04(13) | "Filter strip" means an area of herbaceous vegetation that separates an environmentally sensitive area from cropland, grazing land, or disturbed land. ATCP 50.72 | Prevents phosphorus transport into surface waters through erosion. | Vegetative control of erosion and runoff. Effective within one growing season. |

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| **Grade Stabilization**<br><br>NR 154.04(14) | "grade stabilization structure" means a<br><br>structure which stabilizes the grade in a channel in order to protect the channel from erosion, or to prevent gullies from forming or advancing. ATCP 50.73 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Lake Sediment Treatment**<br><br>NR 154.04(16) | "lake sediment treatment" is defined as a chemical, physical or biological treatment of polluted lake sediments for purposes of minimizing potential adverse impacts from the pollutants. | Addresses phosphorus that is already in lakes by reducing the amount of phosphorus available to fuel growth of nuisance plants and algae. | In lake treatment to control nutrients, such as alum. Chemical treatment is effective upon treatment. Biological treatment may take longer. |
| **Livestock Fencing**<br><br>NR 154.04(17) | "livestock fencing" means either of the following:<br><br>(a) Excluding livestock, by fencing or other means, in order to protect an erodible area or a practice under this subchapter. ATCP 50.75 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Livestock Watering Facilities**<br><br>NR 154.04(18) | "livestock watering facility" means a trough, tank, pipe, conduit, spring development, pump, well, or other device or combination of devices installed to deliver drinking water to livestock. ATCP 50.76 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Prescribed Grazing**<br><br>NR 154.04(22) | "prescribed grazing" or "rotational grazing" means a grazing system which divides pastures into multiple cells, each of which is grazed intensively for a short period and then protected from grazing | Reduces the amount of phosphorus being released onto the land and also prevents phosphorus transport into surface waters through erosion. | Land management practice to reduce erosion and runoff. Effective upon transition to this method of management. |

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| | until its vegetative cover is restored. ATCP 50.80 | | |

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| **Relocating or Abandoning Animal Feeding Operations**<br><br>NR 154.04(23) | "Abandonment" means discontinuing an animal feeding operation in order to prevent surface water or groundwater pollution from that animal feeding operation. "Relocation" means discontinuing an animal feeding operation at one site and commencing that operation at a suitable alternate site in order to minimize the amount of surface water or groundwater pollution from that animal feeding operation. ATCP 50.81 | Prevents phosphorus from being released onto the land | Physical control of erosion and runoff. Effective immediately upon installation |
| **Riparian Buffers**<br><br>NR 154.04(25) | "riparian buffer" means an area in which vegetation is enhanced or established to reduce or eliminate the movement of sediment, nutrients, and other nonpoint source pollutants to an adjacent surface water resource or groundwater recharge area, to protect the banks of streams and lakes from erosion, and to protect fish habitat. ATCP 50.83 | Prevents phosphorus transport into surface waters through erosion. | Vegetative control of erosion and runoff. Effective within one growing season. |
| **Roofs**<br><br>NR 154.04(26) | "Roof" means a weather−proof covering that shields an animal lot or manure storage structure from precipitation, and<br><br>includes the structure supporting that weather−proof covering. ATCP 50.84 | Prevents or reduces phosphorus from being released onto the land | Physical control of erosion and runoff. Effective immediately upon installation |
| **Roof Runoff Systems**<br><br>NR 154.04(27) | "roof runoff system" means facilities for collecting,<br><br>controlling, diverting, and disposing of precipitation from roofs. A "roof runoff | Prevents or reduces phosphorus from being released onto the land | Physical control of erosion and runoff. Effective immediately upon installation |

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| | system" may include gutters, downspouts, erosion−resistant channels, subsurface drains, and trenches. ATCP 50.85 | | |
| **Sediment Basins**<br><br>NR 154.04(28) | "Sediment basins" means permanent basins that reduce the transport of waterborne pollutants such as eroded soil sediment,<br><br>debris, and manure sediment. Sediment basins may include containment<br><br>walls or berms, pickets or screens to filter debris, orifices or weirs to control discharge, and conduits to direct runoff to treatment<br><br>or discharge areas. ATCP 50.86 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Sinkhole Treatment**<br><br>NR 154.04(30) | "sinkhole treatment" means modifying a sinkhole, or the area around a sinkhole, to reduce erosion, prevent expansion of the hole, and reduce pollution of water resources. Modifications<br><br>may include the diversion of runoff around a sinkhole, or the alteration of a sinkhole by excavation, cleanout, filter treatment, sealing, or refilling. ATCP 50.87 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Subsurface Drains**<br><br>NR 154.04(33) | "subsurface drain" means a conduit installed below the<br><br>surface of the ground to collect drainage water and convey it to a suitable outlet. ATCP 50.90 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Terrace Systems**<br><br>NR 154.04(34) | "terrace system" means a system of ridges and channels installed on the contour with a non−erosive | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |

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| | grade and suitable spacing. ATCP 50.91 | | |
| **Underground Outlets**<br><br>NR 154.04(35) | "underground outlet" means a conduit installed below the surface of the ground to collect surface water and convey it to a suitable outlet. ATCP 50.92 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Waste Transfer Systems**<br><br>NR 154.04(36) | "waste transfer system" means components such as pumps, pipes, conduits, valves, and other structures installed to convey manure and milking center wastes from buildings and animal<br><br>feeding operations to a storage structure, loading area, or treatment area. ATCP 50.93 | Prevents or reduces phosphorus from being released onto the land | Physical control of erosion and runoff. Effective immediately upon installation |
| **Wastewater Treatment Strips**<br><br>NR 154.04(37) | "wastewater treatment strip" means an area of herbaceous vegetation that is used as part of an agricultural waste management system to remove pollutants from animal lot runoff or wastewater, such as runoff or wastewater from a milking center. ATCP 50.94 | Prevents phosphorus transport into surface waters through erosion. | Vegetative control of erosion and runoff. Effective within one growing season. |
| **Water and Sediment Control Basins**<br><br>NR 154.04(38) | "Water and sediment control basin" means an earthen embankment or a ridge and channel combination which is installed across a slope or minor watercourse to trap or detain runoff and sediment. ATCP 50.95 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Waterway Systems**<br><br>NR 154.04(39) | "waterway system" means a natural or constructed<br><br>waterway or outlet that is shaped, graded, and covered with a vegetation | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |

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| | or another suitable surface material to prevent erosion by runoff waters. ATCP 50.96 | | |
| **Well Decommissioning**<br><br>NR 154.04(40) | "well decommissioning" means permanently disabling and sealing a well to prevent contaminants from reaching groundwater. ATCP 50.97 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Wetland Development or Restoration**<br><br>NR 154.04(41) | "wetland development or restoration" means the construction of berms, or the destruction of tile line or drainage ditch functions, to create or restore conditions<br><br>suitable for wetland vegetation. ATCP 50.98 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Milking Center Waste Control Systems** | "Milking center waste control system" means a system of facilities or equipment designed to contain or control the discharge of milking center waste. ATCP 50.77 | Prevents or reduces phosphorus from being released onto the land | Physical control of erosion and runoff. Effective immediately upon installation |
| **Feed Storage Leachate** | "Feed storage runoff control system" means a system of facilities or practices to contain, divert, retard, treat, or otherwise control the discharge of leachate and contaminated runoff from livestock feed storage areas. ATCP 50.705 | Prevents or reduces phosphorus from being released onto the land | Physical control of erosion and runoff. Effective immediately upon installation |
| **Stream Crossing** | "stream crossing" means a road or pathway which confines or directs the movement of livestock, farm equipment, or<br><br>vehicular traffic over a stream, and which is designed and installed | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |

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| | to improve water quality, reduce erosion, protect an installed practice, or control livestock access to a stream. ATCP 50.885 | | |
| **Streambank/Shoreline rip-rapping** | "streambank or shoreline protection"<br><br>means waterbody−specific treatments used to stabilize and<br><br>protect the eroding banks of streams or constructed channels, and<br><br>shorelines of lakes, reservoirs, or estuaries. The practice is<br><br>designed and installed to provide water quality benefits or control soil erosion including degradation from livestock and may protect fish habitat as an incidental benefit. ATCP 50.88 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Streambank/Shoreline Shaping & Seeding** | See previous | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Contour Farming**<br><br>NR 154.04(8) | "contour farming" means plowing, preparing, planting, and cultivating sloping land on the contour and along established grades of terraces or diversions. ATCP 50.67 | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |
| **Cover & Green Manure Crop**<br><br>NR 154.04(9) | "cropland cover" means close−growing grasses, legumes, or<br><br>small grain grown for any of the following purposes:<br><br>(a) To control erosion during periods when major crops do not<br><br>furnish adequate cover. | Prevents phosphorus transport into surface waters through erosion. | Vegetative control of erosion and runoff. Effective within one growing season. |

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| | (b) To add organic matter to the soil.<br><br>(c) To improve soil infiltration, aeration, or tilth. ATCP 50.68 | | |
| **Nutrient Management**<br><br>NR 154.04(20) | "nutrient management" means controlling the<br><br>amount, source, form, location, and timing of plant nutrient applications,<br><br>including application of organic wastes, commercial fertilizers, soil reserves, and legumes, in order to provide plant nutrients while minimizing the movement of nutrients to surface water and groundwater. ATCP 50.78 | Prevents or reduces phosphorus from being released onto the land | Management plan. Effective upon implementation. |
| **Pesticide Management**<br><br>NR 154.04(21) | "pesticide management" means controlling the<br><br>storage, handling, use, and disposal of pesticides used in crop production in order to minimize contamination of water, air, and nontarget<br><br>organisms. ATCP 50.79 | | Included in the table in the justification document, but not relevant to nutrient load reduction. |
| **Residue Management**<br><br>NR 154.04(24) | "residue management" means any of the following:<br><br>(a) Preparing land surfaces for the planting and growing of crop plants using methods that result in a rough land surface which is covered in varying degrees by vegetative residues of a previous crop, and which provides a significant degree of resistance to soil<br><br>erosion by raindrop impact, surface water runoff, or wind. | Prevents phosphorus transport into surface waters through erosion. | Physical control of erosion and runoff. Effective immediately upon installation |

## Appendix B – 2024 Point Source Phosphorus Loading Data

| Facility Name | Permit Number | Initial Phosphorus Concentration (mg/L) | Phosphorus Loading at Initial Concentration (lbs/yr)[1] | Statutory Default Interim Limit (mg/L) | Phosphorus Loading at Statutory Default Interim Limit (mg/L)[1] | 2024 Annual Average Phosphorus Concentration (mg/L) | 2024 Total Flow (Millions of Gallons) | 2024 Total Phosphorus Load (lbs/yr) |
|---|---|---|---|---|---|---|---|---|
| Abrams Sanitary District 1 | 0049859 | 7.3 | 285.90 | 0.6 | 23.50 | 0.85 | 4.696 | 33.26 |
| Agropur Inc Luxemburg | 0050237 | 0.5 | 1166.66 | 0.5 | 1166.66 | 0.19 | 279.774 | 453.05 |
| Algoma Wastewater Treatment Facility | 0020745 | 0.6 | 978.63 | 0.6 | 978.63 | 0.61 | 195.57 | 997.66 |
| Almena Village of | 0023183 | 8.1 | 1009.19 | 0.8 | 99.67 | 0.42 | 14.939 | 52.02 |
| Appleton Property Ventures LLC | 0000990 | 0.7 | 14683.87 | 0.6 | 12586.17 | 0.37 | 2515.222 | 7778.95 |
| Bagley Wastewater Treatment Facility | 0060771 | 6.1 | 391.73 | 0.6 | 38.53 | 0.55 | 7.7 | 35.48 |
| Barneveld Wastewater Treatment Facility | 0029131 | 6.7 | 1637.67 | 0.6 | 146.66 | 0.22 | 29.308 | 52.55 |
| Benton Wastewater Treatment Facility | 0020672 | 6.3 | 1089.83 | 0.6 | 103.79 | 0.52 | 20.742 | 89.81 |
| Black Creek Wastewater Treatment Facility | 0021041 | 0.5 | 581.77 | 0.5 | 581.77 | 0.48 | 139.514 | 556.56 |
| Black River Falls Wastewater Treatment Facility | 0021954 | 1.0 | 1292.06 | 0.6 | 775.23 | 0.48 | 154.923 | 622.34 |
| Blanchardville Wastewater Treatment Facility | 0021105 | 4.4 | 614.36 | 0.8 | 111.70 | 1.45 | 16.742 | 202.81 |
| Blue River Wastewater Treatment Facility | 0023418 | 9.0 | 371.02 | 0.8 | 32.98 | 3.06 | 4.943 | 126.08 |
| Bristol Utility District 1 | 0022021 | 0.3 | 352.96 | 0.3 | 352.96 | 0.23 | 141.072 | 271.58 |
| Cadott Wastewater Treatment Facility | 0023515 | 0.4 | 160.95 | 0.4 | 160.95 | 0.13 | 48.245 | 50.97 |
| Cascade Wastewater Treatment Facility | 0031372 | 5.3 | 1665.27 | 0.8 | 251.36 | 3.61 | 37.674 | 1134.79 |
| Casco Wastewater Treatment Facility | 0023566 | 4.3 | 1034.98 | 0.6 | 144.42 | 0.15 | 28.86 | 36.30 |
| Cazenovia Wastewater Treatment Facility | 0031801 | 4.7 | 391.78 | 0.6 | 50.01 | 0.94 | 9.995 | 78.52 |
| Cedar Grove Cheese | 0050245 | 5.0 | 93.37 | 0.8 | 14.94 | 7.64 | 2.239109 | 142.67 |
| City of Fond du Lac WTRRF | 0023990 | 0.8 | 19736.23 | 0.8 | 19736.23 | 0.27 | 2958.068 | 6537.63 |
| Clark County Health Care Center WWTF | 0029700 | 3.3 | 291.16 | 0.6 | 52.94 | 0.71 | 10.579 | 62.82 |
| Clinton Wastewater Treatment Facility | 0022039 | 0.7 | 776.47 | 0.7 | 776.47 | 0.34 | 133.002 | 377.14 |
| Crystal Lake Sanitary District | 0035114 | 4.2 | 122.91 | 0.6 | 17.56 | 2.45 | 3.509 | 71.55 |

| Facility Name | Permit Number | Initial Phosphorus Concentration (mg/L) | Phosphorus Loading at Initial Concentration (lbs/yr)[1] | Statutory Default Interim Limit (mg/L) | Phosphorus Loading at Statutory Default Interim Limit (mg/L)[1] | 2024 Annual Average Phosphorus Concentration (mg/L) | 2024 Total Flow (Millions of Gallons) | 2024 Total Phosphorus Load (lbs/yr) |
|---|---|---|---|---|---|---|---|---|
| Curtiss Wastewater Treatment Facility | 0031445 | 13.3 | 3816.83 | 0.6 | 172.19 | 0.36 | 34.41 | 103.89 |
| Dale Sanitary District No. 1 | 0030830 | 4.9 | 440.66 | 0.8 | 71.94 | 0.55 | 10.783 | 49.01 |
| De Soto Wastewater Treatment Facility | 0029793 | 5.4 | 410.68 | 0.6 | 45.63 | 0.31 | 9.119 | 23.64 |
| Dickeyville Wastewater Treatment Facility | 0023817 | 3.6 | 814.07 | 0.8 | 180.90 | 0.33 | 27.114 | 74.43 |
| Dodgeville Wastewater Treatment Facility | 0026913 | 0.5 | 1158.76 | 0.5 | 1158.76 | 0.30 | 277.88 | 689.46 |
| Dorchester Wastewater Treatment Facility | 0021571 | 8 | 2613.29 | 0.8 | 261.33 | 0.80 | 39.168 | 262.52 |
| Downsville Sanitary District #1 WWTF | 0031682 | 1.7 | 82.05 | 0.6 | 28.96 | 0.70 | 5.787 | 33.54 |
| Eagle Lake Sewer Utility | 0031526 | 4.3 | 4869.45 | 0.6 | 679.46 | 0.29 | 135.783 | 322.74 |
| Edgar Wastewater Treatment Facility | 0021784 | 1 | 639.90 | 0.6 | 383.94 | 0.85 | 76.727 | 544.45 |
| Ellsworth Coop Creamery | 0022942 | 1 | 582.26 | 0.6 | 349.35 | 0.77 | 69.815 | 450.28 |
| Ettrick Wastewater Treatment Facility | 0020621 | 7.38 | 422.41 | 0.8 | 45.79 | 0.78 | 6.863 | 44.50 |
| Fairwater Wastewater Treatment Facility | 0021440 | 4.5 | 1538.39 | 0.8 | 273.49 | 4.08 | 40.991 | 1395.09 |
| Fennimore Wastewater Treatment Facility | 0023981 | 1 | 603.27 | 0.6 | 361.96 | 0.38 | 72.335 | 229.24 |
| Fonks Home Center, Inc. Harvest View Estates | 0026689 | 4.3 | 507.81 | 0.8 | 94.48 | 0.21 | 14.16 | 25.10 |
| Fonks Home Center, Inc. Hickory Haven | 0030660 | 0.5 | 30.42 | 0.5 | 30.42 | 0.28 | 7.296 | 16.94 |
| Foremost Farms USA Lancaster | 0062308 | 1.6 | 1894.22 | 0.8 | 947.11 | 0.49 | 141.953 | 583.06 |
| Fountain City Wastewater Treatment Facility | 0024040 | 1 | 359.25 | 0.6 | 215.55 | 0.46 | 43.076 | 164.36 |
| Genoa City Wastewater Treatment Facility | 0021083 | 0.5 | 375.98 | 0.5 | 375.98 | 0.39 | 90.164 | 292.01 |
| Genoa Wastewater Treatment Facility | 0022284 | 5.6 | 320.48 | 0.8 | 45.78 | 0.75 | 6.862 | 43.11 |
| Grande Cheese Co Brownsville | 0050016 | 2 | 4033.71 | 0.8 | 1613.48 | 0.61 | 241.829 | 1238.68 |
| Grande Cheese Company - Juda | 0063207 | 1 | 2478.16 | 0.6 | 1486.90 | 0.51 | 297.142 | 1263.86 |
| Granton Wastewater Treatment Facility | 0020885 | 2 | 2733.33 | 0.6 | 820.00 | 0.65 | 163.869 | 881.50 |
| Green Lake Wastewater Treatment Facility | 0021776 | 1 | 544.38 | 0.8 | 435.50 | 0.67 | 65.273 | 362.92 |
| Hatfield Sanitary District | 0036641 | 4.4 | 388.02 | 0.6 | 52.91 | 0.37 | 10.574 | 32.98 |
| Hazel Green Wastewater Treatment Facility | 0024210 | 5.1 | 979.90 | 0.6 | 115.28 | 0.57 | 23.038 | 109.68 |
| Hibert Wastewater Treatment Facility | 0021270 | 0.8 | 676.31 | 0.8 | 676.31 | 0.56 | 101.365 | 473.42 |

| Facility Name | Permit Number | Initial Phosphorus Concentration (mg/L) | Phosphorus Loading at Initial Concentration (lbs/yr)[1] | Statutory Default Interim Limit (mg/L) | Phosphorus Loading at Statutory Default Interim Limit (mg/L)[1] | 2024 Annual Average Phosphorus Concentration (mg/L) | 2024 Total Flow (Millions of Gallons) | 2024 Total Phosphorus Load (lbs/yr) |
|---|---|---|---|---|---|---|---|---|
| Hillsboro Wastewater Treatment Facility | 0020583 | 1 | 494.55 | 0.6 | 296.73 | 0.48 | 59.299 | 238.62 |
| Hillshire Brands Co. | 0023094 | 0.7 | 1347.46 | 0.7 | 1347.46 | 0.29 | 230.809 | 551.82 |
| Hollandale Wastewater Treatment Facility | 0031330 | 4.8 | 154.92 | 0.8 | 25.82 | 3.11 | 3.87 | 100.46 |
| Horicon Wastewater Treatment Facility | 0020231 | 1 | 1764.84 | 0.6 | 1058.91 | 0.41 | 211.612 | 723.59 |
| Iron Ridge Wastewater Treatment Facility | 0020486 | 0.8 | 272.14 | 0.8 | 272.14 | 0.39 | 40.789 | 133.80 |
| Jennie-O Turkey Store | 0070408 | 0.6 | 296.61 | 0.6 | 296.61 | 0.24 | 59.274 | 118.64 |
| Johnsonville | 0001759 | 0.5 | 541.90 | 0.5 | 541.90 | 0.20 | 129.952 | 217.66 |
| Junction City Wastewater Treatment Facility | 0028070 | 1 | 255.62 | 0.8 | 204.50 | 0.52 | 30.65 | 133.35 |
| Kewaskum Wastewater Treatment Facility | 0021733 | 0.6 | 917.87 | 0.6 | 917.87 | 0.28 | 183.428 | 434.72 |
| Krakow Sanitary District WWTF | 0028169 | 3.7 | 537.30 | 0.6 | 87.13 | 0.52 | 17.412 | 75.39 |
| La Farge Wastewater Treatment Plant | 0024465 | 2 | 468.29 | 0.8 | 187.32 | 0.57 | 28.075 | 134.05 |
| Lake Mills Wastewater Treatment Facility | 0031194 | 0.7 | 1546.55 | 0.7 | 1546.55 | 0.63 | 264.911 | 1393.74 |
| Lakeland Sanitary District # 1 | 0061387 | 2.6 | 28.19 | 0.6 | 6.51 | 0.28 | 1.3 | 3.02 |
| Lakeside Foods Inc - Reedsburg | 0057738 | 1.5 | 606.18 | 0.8 | 323.30 | 1.43 | 48.456 | 577.90 |
| Lakeview Nuerological Rehab | 0029807 | 1.6 | 62.84 | 0.6 | 23.56 | 0.74 | 4.709 | 29.13 |
| Lancaster Wastewater Treatment Facility | 0024503 | 0.8 | 1091.18 | 0.8 | 1091.18 | 0.64 | 163.546 | 876.35 |
| Lebanon Sanitary District #1 WWTF | 0031364 | 3.9 | 204.30 | 0.6 | 31.43 | 2.06 | 6.281 | 108.06 |
| Lena Wastewater Treatment Facility | 0061361 | 1.9 | 535.58 | 0.8 | 225.51 | 0.24 | 33.799 | 68.36 |
| Linden Wastewater Treatment Facility | 0021580 | 4.1 | 418.30 | 0.6 | 61.21 | 0.42 | 12.233 | 42.42 |
| Livingston Wastewater Treatment Facility | 0022187 | 4.2 | 762.31 | 0.6 | 108.90 | 0.66 | 21.763 | 119.79 |
| Lomira Wastewater Treatment Facility | 0020532 | 1 | 1015.56 | 0.6 | 609.34 | 0.39 | 121.77 | 392.68 |
| Lynn Dairy / Lynn Protein Inc. | 0051152 | 1 | 393.85 | 0.8 | 315.08 | 0.50 | 47.224 | 195.35 |
| Lyons Sanitary District No 2 | 0031941 | 5.4 | 1436.92 | 0.8 | 212.88 | 0.25 | 31.906 | 67.63 |
| Maine Wastewater Treatment Facility | 0022136 | 6.3 | 233.13 | 0.8 | 29.60 | 1.15 | 4.437 | 42.56 |
| Maribel Wastewater Treatment Facility | 0061051 | 3.8 | 365.06 | 0.8 | 76.85 | 0.91 | 11.519 | 87.18 |
| Melrose Wastewater Treatment Facility | 0024678 | 6.5 | 546.60 | 0.6 | 50.46 | 0.57 | 10.083 | 47.93 |

| Facility Name | Permit Number | Initial Phosphorus Concentration (mg/L) | Phosphorus Loading at Initial Concentration (lbs/yr)[1] | Statutory Default Interim Limit (mg/L) | Phosphorus Loading at Statutory Default Interim Limit (mg/L)[1] | 2024 Annual Average Phosphorus Concentration (mg/L) | 2024 Total Flow (Millions of Gallons) | 2024 Total Phosphorus Load (lbs/yr) |
|---|---|---|---|---|---|---|---|---|
| Milan S D Wastewater Treatment Facility | 0031500 | 2.5 | 56.48 | 0.6 | 13.56 | 0.73 | 2.709 | 16.49 |
| Milk Specialties Global - Adell | 0001236 | 1.7 | 5807.51 | 0.6 | 2049.71 | 0.24 | 409.614 | 819.88 |
| Mondovi Wastewater Treatment Facility | 0020591 | 1 | 498.64 | 0.6 | 299.18 | 0.49 | 59.789 | 245.58 |
| Morrison Sanitary District 1 | 0036773 | 4.2 | 393.96 | 0.8 | 75.04 | 0.83 | 11.247 | 77.38 |
| Mount Calvary Wastewater Treatment Facility | 0035963 | 1.7 | 782.97 | 0.8 | 368.45 | 0.27 | 55.224 | 122.43 |
| Mount Hope Wastewater Treatment Facility | 0020907 | 6.1 | 250.81 | 0.8 | 32.89 | 0.26 | 4.93 | 10.52 |
| Neillsville Wastewater Treatment Facility | 0021202 | 1 | 1183.89 | 0.6 | 710.33 | 0.39 | 141.953 | 466.65 |
| Nekoosa Wastewater Treatment Facility | 0020613 | 1 | 1238.28 | 0.8 | 990.63 | 0.32 | 148.475 | 396.25 |
| North Lake Poygan Saniatry District | 0036251 | 5.1 | 1456.19 | 0.8 | 228.42 | 0.60 | 34.236 | 170.84 |
| Onion River Wastewater Commission | 0036811 | 5.2 | 1901.25 | 0.6 | 219.38 | 0.39 | 43.84 | 140.77 |
| Osseo Wastewater Treatment Facility | 0025046 | 1 | 485.04 | 0.8 | 388.03 | 0.33 | 58.158 | 158.04 |
| Owen Wastewater Treatment Facility | 0020940 | 1 | 1097.34 | 0.6 | 658.40 | 0.28 | 131.575 | 311.83 |
| Paddock Lake Wastewater TRTMNT FAC | 0025062 | 0.6 | 836.20 | 0.6 | 836.20 | 0.27 | 167.107 | 382.10 |
| Palmyra Wastewater Treatment Facility | 0031020 | 4.6 | 2637.14 | 0.8 | 458.63 | 0.81 | 68.74 | 463.89 |
| Patch Grove Wastewater Treatment Facility | 0022705 | 6 | 411.53 | 0.8 | 54.87 | 0.56 | 8.224 | 38.52 |
| Phillips Wastewater Treatment Facility | 0021539 | 0.6 | 235.39 | 0.6 | 235.39 | 0.38 | 47.041 | 150.06 |
| Pittsville Water and Sewer Dept WWTF | 0020494 | 2 | 546.12 | 0.6 | 163.84 | 0.37 | 32.741 | 101.03 |
| Platteville Wastewater Treatment Facility | 0020435 | 0.9 | 3098.15 | 0.6 | 2065.43 | 0.43 | 412.756 | 1485.96 |
| Poygan Poy Sippi SD 1 WWTF | 0035513 | 7 | 984.99 | 0.8 | 112.57 | 0.40 | 16.872 | 56.75 |
| Prescott Wastewater Treatment Facility | 0022403 | 1.3 | 1354.58 | 0.6 | 625.19 | 0.59 | 124.938 | 611.30 |
| Princeton Wastewater Treatment Facility | 0022055 | 4 | 2139.48 | 0.8 | 427.90 | 0.93 | 64.133 | 496.09 |
| Randolph Wastewater Treatment Facility | 0031160 | 5.3 | 17660.73 | 0.6 | 1999.33 | 0.24 | 399.546 | 785.85 |
| Reedsville Wastewater Treatment Facility | 0021342 | 1.2 | 744.48 | 0.8 | 496.32 | 0.75 | 74.388 | 465.99 |
| Rewey Wastewater Treatment Facility | 0031569 | 10.6 | 284.22 | 0.6 | 16.09 | 0.38 | 3.215 | 10.05 |
| Ridgeway Wastewater Treatment Facility | 0031348 | 3 | 521.87 | 0.6 | 104.37 | 0.27 | 20.858 | 47.69 |
| Rockland Sanitary District No. 1 | 0022802 | 2.2 | 210.29 | 0.8 | 76.47 | 0.57 | 11.461 | 54.40 |

| Facility Name | Permit Number | Initial Phosphorus Concentration (mg/L) | Phosphorus Loading at Initial Concentration (lbs/yr)[1] | Statutory Default Interim Limit (mg/L) | Phosphorus Loading at Statutory Default Interim Limit (mg/L)[1] | 2024 Annual Average Phosphorus Concentration (mg/L) | 2024 Total Flow (Millions of Gallons) | 2024 Total Phosphorus Load (lbs/yr) |
|---|---|---|---|---|---|---|---|---|
| Rozellville Sanitary District No 1 | 0029076 | 4 | 189.42 | 0.8 | 37.88 | 2.21 | 5.678 | 104.54 |
| Rushing Waters Fisheries, Inc. | 0002488 | 0.3 | 588.12 | 0.3 | 588.12 | 0.35 | 235.058 | 692.67 |
| Salem Lakes Wastewater Treatment Facility | 0031496 | 0.8 | 4370.62 | 0.8 | 4370.62 | 0.48 | 655.069 | 2604.16 |
| Seneca Foods Corporation Gillett | 0000345 | 0.5 | 60.99 | 0.5 | 60.99 | 0.42 | 14.626 | 51.23 |
| Spring Green Golf Club Sanitary Dist #2 WWTF | 0028363 | 5 | 202.70 | 0.8 | 32.43 | 2.72 | 4.861 | 110.20 |
| Spring Valley Wastewater Treatment Facility | 0022373 | 0.5 | 142.12 | 0.5 | 142.12 | 0.25 | 34.081 | 72.24 |
| St. Cloud Wastewater Treatment Facility | 0026867 | 4.3 | 276.50 | 0.8 | 51.44 | 0.22 | 7.71 | 13.82 |
| Stitzer Sanitary District WWTF | 0036285 | 7.7 | 95.75 | 0.8 | 9.95 | 0.30 | 1.491 | 3.70 |
| Stoddard Wastewater Treatment Facility | 0028304 | 6.8 | 670.34 | 0.6 | 59.15 | 0.55 | 11.82 | 54.61 |
| Taylor Wastewater Treatment Facility | 0021881 | 1 | 131.89 | 0.6 | 79.13 | 0.13 | 15.814 | 16.82 |
| The Procter & Gamble Paper Products Co | 001031 | 0.05 | 716.68 | 0.05 | 716.68 | 0.03 | 1718.661 | 430.01 |
| Thorp Wastewater Treatment Facility | 0025615 | 0.8 | 1095.98 | 0.6 | 821.99 | 0.42 | 164.266 | 575.39 |
| Trempealeau Wastewater Treatment Facility | 0020966 | 4.8 | 1844.07 | 0.6 | 230.51 | 0.68 | 46.065 | 262.84 |
| Twin Lakes Wastewater Treatment Facility | 0021695 | 0.6 | 1219.36 | 0.6 | 1219.36 | 0.32 | 243.677 | 640.16 |
| Unity Wastewater Treatment Facility | 0060526 | 3.5 | 412.22 | 0.8 | 94.22 | 0.72 | 14.122 | 84.67 |
| Valders Wastewater Treatment Facility | 0021831 | 0.8 | 484.86 | 0.8 | 484.86 | 0.73 | 72.671 | 440.92 |
| Valley Ridge Clean Water Commission WWTF | 0036854 | 7.6 | 741.02 | 0.6 | 58.50 | 1.09 | 11.691 | 105.79 |
| Vesper Wastewater Treatment Facility | 0030309 | 1.8 | 685.82 | 0.6 | 228.61 | 0.41 | 45.685 | 156.53 |
| Village of Luck Wastewater Treatment Facility | 0021482 | 1.8 | 548.04 | 0.8 | 243.57 | 0.61 | 36.507 | 185.22 |
| Union Grove Wastewater Treatment Facility | 0028291 | 0.5 | 1677.97 | 0.5 | 1677.97 | 0.21 | 402.39 | 713.14 |
| Viola Wastewater Treatment Facility | 0021148 | 4.3 | 1543.36 | 0.8 | 287.14 | 0.84 | 43.036 | 302.21 |
| Waumandee Sanitary District #1 | 0061646 | 1.3 | 301.54 | 0.8 | 185.56 | 0.36 | 27.812 | 84.43 |
| Wazee Area Wastewater Commission | 0036889 | 0.8 | 420.09 | 0.8 | 420.09 | 0.37 | 62.963 | 194.73 |
| Westfield Wastewater Treatment Facility | 0022250 | 2.9 | 1309.87 | 0.6 | 271.01 | 0.44 | 54.158 | 199.87 |
| Wheatland Estates | 0031011 | 1.6 | 152.28 | 0.8 | 76.14 | 0.36 | 11.412 | 33.79 |
| Whitehall Wastewater Treatment Facility | 0030970 | 1 | 2436.86 | 0.6 | 1462.12 | 0.78 | 292.19 | 1900.75 |

| Facility Name | Permit Number | Initial Phosphorus Concentration (mg/L) | Phosphorus Loading at Initial Concentration (lbs/yr)[1] | Statutory Default Interim Limit (mg/L) | Phosphorus Loading at Statutory Default Interim Limit (mg/L)[1] | 2024 Annual Average Phosphorus Concentration (mg/L) | 2024 Total Flow (Millions of Gallons) | 2024 Total Phosphorus Load (lbs/yr) |
|---|---|---|---|---|---|---|---|---|
| Whitelaw Wastewater Treatment Facility | 0022047 | 2.9 | 1021.93 | 0.8 | 281.91 | 0.36 | 42.253 | 126.86 |
| Wrightstown Sanitary District No 1 | 0022438 | 2 | 502.72 | 0.8 | 201.09 | 0.84 | 30.139 | 210.09 |
| Yorkville Sewer Utility District No 1 | 0029831 | 1 | 329.61 | 0.6 | 197.76 | 0.63 | 39.521 | 207.65 |
| TOTALS | | | 169331.06 | | 87372.85 | | 17448.996 | 55054.60 |

1 – All loading value calculations use 2024 total flows

## Appendix C – List of all BMPs Established with County Payments

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1340 | Livestock Fencing | Structural | 2497 | FEET | $ 5,966.25 | $ 2,503.31 | Lafayette | 7/20/2019 | 20 | 42.52527 | -90.36971 | 5.27 |
| 1341 | Prescribed Grazing | Structural | 7.9 | ACRES | $ 5,966.25 | $ 2,503.31 | Lafayette | 7/20/2019 | 20 | 42.52527 | -90.36971 | 5.27 |
| 1073 | Riparian Buffers | Structural | 0.5 | ACRES | $ 462.00 | $ 462.00 | Waushara | 8/26/2019 | NA | 44.173763 | -89.11338 | 1.05 |
| 1360 | Waterway Systems | Structural | 1 | ACRES | $ 4,602.07 | $ 402.07 | Outagamie | 12/13/2019 | NA | 44.370413 | -88.41568 | 4 |
| 1324 | Manure Storage System Closure | Structural | 1 | NO. | $ 40,241.60 | $ 29,430.55 | Lafayette | 12/27/2019 | 15 | 42.536818 | -90.0542 | 560 |
| 954 | Cover Crop | Cropping | 89.9 | ACRES | $ 2,247.50 | $ 2,247.50 | Walworth | 1/1/2020 | 1 | 42.688939 | -88.50426 | 95.3 |
| 3500 | Streambank/Shoreline Protection - Rip-rapping | Structural | 1058 | FEET | $ 53,495.00 | $ 18,229.00 | Juneau | 3/3/2020 | 20 | 43.701007 | -90.29033 | 451 |
| 1297 | Residue Management | Cropping | 493 | ACRES | $ 25,000.00 | $ 5,000.00 | Taylor | 3/17/2020 | 15 | 45.128213 | -90.3347 | 8867 |
| 5688 | Combo 22: Livestock Fencing & Riparian Buffers | Structural | 4444; 23.7 | FEET; ACRES | $ 14,220.00 | $ 14,220.00 | Sauk | 5/13/2020 | 10 | 43.592816 | -90.02168 | 40.3 |
| 1081 | Waterway Systems | Structural | 1.8 | ACRES | $ 14,550.00 | $ 10,185.00 | Fond du Lac | 5/17/2020 | 10 | 43.925273 | -88.31043 | 134 |
| 874 | Waterway Systems | Structural | 1.75 | ACRES | $ - | $ - | La Crosse | 5/21/2020 | 10 | 44.018262 | -91.17144 | 4.2 |
| 1080 | Manure Storage System Closure | Structural | 1 | NO. | $ 13,500.00 | $ 9,450.00 | Fond du Lac | 6/1/2020 | NA | 43.925273 | -88.31043 | 0 |
| 1386 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 6/23/2020 | Not supplied | 44.877089 | -90.04027 | 11.4 |
| 1387 | Residue Management | Cropping | 39 | ACRES | $ 780.00 | $ 780.00 | Marathon | 6/23/2020 | Not supplied | 44.871442 | -90.04164 | 23 |
| 1388 | Residue Management | Cropping | 20 | ACRES | $ 400.00 | $ 400.00 | Marathon | 6/23/2020 | Not supplied | 44.877383 | -90.04926 | 12 |
| 1389 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/23/2020 | Not supplied | 44.87387 | -90.04866 | 5 |
| 1390 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 6/23/2020 | Not supplied | 44.877425 | -90.04798 | 8 |
| 1391 | Residue Management | Cropping | 7 | ACRES | $ 140.00 | $ 140.00 | Marathon | 6/23/2020 | Not supplied | 44.879628 | -90.04635 | 4 |
| 1392 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/23/2020 | Not supplied | 44.877092 | -90.04631 | 5 |
| 1393 | Residue Management | Cropping | 0 | ACRES | $ 330.00 | $ - | Marathon | 6/23/2020 | Not supplied | 44.874693 | -90.04624 | 10 |
| 1394 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 6/23/2020 | Not supplied | 44.8737 | -90.04232 | 6 |
| 1395 | Residue Management | Cropping | 11 | ACRES | $ 220.00 | $ 220.00 | Marathon | 6/23/2020 | Not supplied | 44.875334 | -90.04331 | 6.6 |
| 1396 | Residue Management | Cropping | 13 | ACRES | $ 260.00 | $ 260.00 | Marathon | 6/23/2020 | Not supplied | 44.877979 | -90.04377 | 7.8 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1397 | Residue Management | Cropping | 18 | ACRES | $ 360.00 | $ 360.00 | Marathon | 6/23/2020 | Not supplied | 44.870707 | -90.03831 | 11 |
| 1398 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/23/2020 | Not supplied | 44.872321 | -90.0365 | 5 |
| 1399 | Residue Management | Cropping | 15 | ACRES | $ 300.00 | $ 300.00 | Marathon | 6/23/2020 | Not supplied | 44.867124 | -90.04153 | 9 |
| 1401 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 6/23/2020 | Not supplied | 44.868164 | -90.03576 | 11.4 |
| 1400 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 6/23/2020 | Not supplied | 44.867886 | -90.0429 | 8 |
| 1402 | Residue Management | Cropping | 23 | ACRES | $ 460.00 | $ 460.00 | Marathon | 6/23/2020 | Not supplied | 44.889433 | -90.03168 | 14 |
| 1403 | Residue Management | Cropping | 30 | ACRES | $ 600.00 | $ 600.00 | Marathon | 6/23/2020 | Not supplied | 44.889328 | -90.02812 | 18 |
| 1404 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 6/23/2020 | Not supplied | 44.891711 | -90.04339 | 11.4 |
| 1405 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 6/23/2020 | Not supplied | 44.892526 | -90.04107 | 6 |
| 1406 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 6/23/2020 | Not supplied | 44.894066 | -90.04204 | 8.4 |
| 1407 | Residue Management | Cropping | 20 | ACRES | $ 400.00 | $ 400.00 | Marathon | 6/23/2020 | Not supplied | 44.895608 | -90.04259 | 12 |
| 1408 | Residue Management | Cropping | 8 | ACRES | $ 160.00 | $ 160.00 | Marathon | 6/23/2020 | Not supplied | 44.889898 | -90.04817 | 5 |
| 1409 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 6/23/2020 | Not supplied | 44.888588 | -90.04772 | 11 |
| 1410 | Residue Management | Cropping | 0 | ACRES | $ 70.00 | $ - | Marathon | 6/23/2020 | Not supplied | 44.888094 | -90.04395 | 2.1 |
| 1475 | Residue Management | Cropping | 21 | ACRES | $ 420.00 | $ 420.00 | Marathon | 6/23/2020 | Not supplied | 44.867844 | -90.03826 | 13 |
| 1446 | Cover Crop | Cropping | 14 | ACRES | $ 560.00 | $ 560.00 | Marathon | 7/16/2020 | Not supplied | 44.899016 | -90.01948 | 32 |
| 1447 | Cover Crop | Cropping | 19 | ACRES | $ 760.00 | $ 760.00 | Marathon | 7/16/2020 | Not supplied | 44.898933 | -90.01797 | 44 |
| 1448 | Cover Crop | Cropping | 22 | ACRES | $ 880.00 | $ 880.00 | Marathon | 7/16/2020 | Not supplied | 44.899043 | -90.01617 | 51 |
| 1437 | Residue Management | Cropping | 6 | ACRES | $ 240.00 | $ 240.00 | Marathon | 7/16/2020 | Not supplied | 44.898612 | -90.05357 | 14 |
| 1438 | Residue Management | Cropping | 10 | ACRES | $ 400.00 | $ 400.00 | Marathon | 7/16/2020 | Not supplied | 44.900363 | -90.05404 | 23 |
| 1439 | Residue Management | Cropping | 3 | ACRES | $ 120.00 | $ 120.00 | Marathon | 7/16/2020 | Not supplied | 44.899673 | -90.05238 | 7 |
| 1440 | Residue Management | Cropping | 9 | ACRES | $ 360.00 | $ 360.00 | Marathon | 7/16/2020 | Not supplied | 44.900896 | -90.04951 | 21 |
| 1441 | Residue Management | Cropping | 12 | ACRES | $ 480.00 | $ 480.00 | Marathon | 7/16/2020 | Not supplied | 44.900243 | -90.049 | 28 |
| 1442 | Residue Management | Cropping | 8 | ACRES | $ 320.00 | $ 320.00 | Marathon | 7/16/2020 | Not supplied | 44.899756 | -90.04878 | 18 |
| 1443 | Residue Management | Cropping | 13 | ACRES | $ 520.00 | $ 520.00 | Marathon | 7/16/2020 | Not supplied | 44.899033 | -90.04861 | 30 |
| 1444 | Residue Management | Cropping | 39 | ACRES | $ 1,560.00 | $ 1,560.00 | Marathon | 7/16/2020 | Not supplied | 44.896926 | -90.05018 | 90 |
| 1445 | Residue Management | Cropping | 25 | ACRES | $ 1,000.00 | $ 1,000.00 | Marathon | 7/16/2020 | Not supplied | 44.895485 | -90.05012 | 58 |
| 1079 | Manure Storage System Closure | Structural | 1 | NO. | $ 13,557.50 | $ 9,490.25 | Fond du Lac | 7/31/2020 | NA | 43.886855 | -88.32547 | |
| 1091 | Prescribed Grazing | Structural | 94.5 | ACRES | $ 56,700.00 | $ 56,700.00 | Sauk | 8/4/2020 | 10 | 43.451425 | -90.14277 | 162 |
| 1090 | Prescribed Grazing | Structural | 129.2 | ACRES | $ 77,520.00 | $ 77,520.00 | Sauk | 8/4/2020 | 10 | 43.611526 | -90.03927 | 216 |
| 1449 | Cover Crop | Cropping | 68 | ACRES | $ 1,360.00 | $ 1,360.00 | Marathon | 8/6/2020 | Not supplied | 44.869284 | -90.04734 | 116 |
| 1462 | Residue Management | Cropping | 5 | ACRES | $ 100.00 | $ 100.00 | Marathon | 8/6/2020 | Not supplied | 44.869842 | -89.94207 | 4 |
| 1463 | Residue Management | Cropping | 8 | ACRES | $ 160.00 | $ 160.00 | Marathon | 8/6/2020 | Not supplied | 44.871029 | -89.94195 | 6 |
| 1464 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 8/6/2020 | Not supplied | 44.872387 | -89.94205 | 3 |
| 1465 | Residue Management | Cropping | 3 | ACRES | $ 60.00 | $ 60.00 | Marathon | 8/6/2020 | Not supplied | 44.872505 | -89.93916 | 2 |
| 1466 | Residue Management | Cropping | 2 | ACRES | $ 40.00 | $ 40.00 | Marathon | 8/6/2020 | Not supplied | 44.871665 | -89.93943 | 2 |
| 1467 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 8/6/2020 | Not supplied | 44.870248 | -89.93813 | 7 |
| 1468 | Residue Management | Cropping | 3 | ACRES | $ 60.00 | $ 60.00 | Marathon | 8/6/2020 | Not supplied | 44.872392 | -89.94797 | 2 |
| 1470 | Residue Management | Cropping | 7 | ACRES | $ 140.00 | $ 140.00 | Marathon | 8/6/2020 | Not supplied | 44.871955 | -89.95034 | 6 |
| 1426 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 8/6/2020 | Not supplied | 44.882779 | -90.04076 | 15 |
| 1427 | Residue Management | Cropping | 11 | ACRES | $ 330.00 | $ 330.00 | Marathon | 8/6/2020 | Not supplied | 44.883289 | -90.03751 | 24 |
| 1428 | Residue Management | Cropping | 22 | ACRES | $ 6,660.00 | $ 660.00 | Marathon | 8/6/2020 | Not supplied | 44.882243 | -90.03429 | 48 |
| 1429 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 8/6/2020 | Not supplied | 44.884216 | -90.03685 | 15 |
| 1430 | Residue Management | Cropping | 35 | ACRES | $ 1,050.00 | $ 1,050.00 | Marathon | 8/6/2020 | Not supplied | 44.885925 | -90.03557 | 77 |
| 1431 | Residue Management | Cropping | 13 | ACRES | $ 390.00 | $ 390.00 | Marathon | 8/6/2020 | Not supplied | 44.886202 | -90.04042 | 29 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1432 | Residue Management | Cropping | 3 | ACRES | $ 90.00 | $ 90.00 | Marathon | 8/6/2020 | Not supplied | 44.887022 | -90.04084 | 7 |
| 1433 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 8/6/2020 | Not supplied | 44.886989 | -90.0434 | 13 |
| 1434 | Residue Management | Cropping | 11 | ACRES | $ 330.00 | $ 330.00 | Marathon | 8/6/2020 | Not supplied | 44.885437 | -90.04141 | 24 |
| 1435 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 8/6/2020 | Not supplied | 44.884796 | -90.04192 | 15 |
| 1411 | Residue Management | Cropping | 11 | ACRES | $ 330.00 | $ 330.00 | Marathon | 8/6/2020 | Not supplied | 44.888916 | -90.05051 | 24 |
| 1412 | Residue Management | Cropping | 16 | ACRES | $ 480.00 | $ 480.00 | Marathon | 8/6/2020 | Not supplied | 44.88877 | -90.05345 | 35 |
| 1413 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 8/6/2020 | Not supplied | 44.890078 | -90.05299 | 9 |
| 1414 | Residue Management | Cropping | 21 | ACRES | $ 630.00 | $ 630.00 | Marathon | 8/6/2020 | Not supplied | 44.886502 | -90.05184 | 46 |
| 1472 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 8/6/2020 | Not supplied | 44.867884 | -89.95094 | 3 |
| 1471 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 8/6/2020 | Not supplied | 44.870364 | -89.95095 | 8 |
| 1473 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 8/6/2020 | Not supplied | 44.86882 | -89.94799 | 3 |
| 1469 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 8/6/2020 | Not supplied | 44.871138 | -89.94795 | 3 |
| 1474 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 8/6/2020 | Not supplied | 44.860442 | -89.96501 | 7 |
| 1416 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 8/6/2020 | Not supplied | 44.886422 | -90.049 | 4 |
| 1417 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 8/6/2020 | Not supplied | 44.886243 | -90.04738 | 9 |
| 1418 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 8/6/2020 | Not supplied | 44.886461 | -90.04719 | 4 |
| 1419 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 8/6/2020 | Not supplied | 44.8866 | -90.04701 | 4 |
| 1415 | Residue Management | Cropping | 27 | ACRES | $ 810.00 | $ 810.00 | Marathon | 8/6/2020 | Not supplied | 44.884768 | -90.05142 | 59 |
| 1420 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 8/6/2020 | Not supplied | 44.887045 | -90.04695 | 13 |
| 1421 | Residue Management | Cropping | 13 | ACRES | $ 390.00 | $ 390.00 | Marathon | 8/6/2020 | Not supplied | 44.88361 | -90.04643 | 29 |
| 1422 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 8/6/2020 | Not supplied | 44.883318 | -90.04891 | 13 |
| 1423 | Residue Management | Cropping | 5 | ACRES | $ 150.00 | $ 150.00 | Marathon | 8/6/2020 | Not supplied | 44.881206 | -90.04942 | 11 |
| 1424 | Residue Management | Cropping | 8 | ACRES | $ 240.00 | $ 240.00 | Marathon | 8/6/2020 | Not supplied | 44.882715 | -90.04414 | 18 |
| 1425 | Residue Management | Cropping | 9 | ACRES | $ 270.00 | $ 270.00 | Marathon | 8/6/2020 | Not supplied | 44.882726 | -90.04242 | 20 |
| 1436 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 8/6/2020 | Not supplied | 44.884224 | -90.04222 | 13 |
| 1450 | Residue Management | Cropping | 84 | ACRES | $ 1,680.00 | $ 1,680.00 | Marathon | 8/6/2020 | Not supplied | 44.879363 | -90.05251 | 143 |
| 1451 | Residue Management | Cropping | 13 | ACRES | $ 260.00 | $ 260.00 | Marathon | 8/6/2020 | Not supplied | 44.874985 | -90.03174 | 22 |
| 1452 | Residue Management | Cropping | 36 | ACRES | $ 720.00 | $ 720.00 | Marathon | 8/6/2020 | Not supplied | 44.860361 | -90.00699 | 61 |
| 1453 | Residue Management | Cropping | 21 | ACRES | $ 420.00 | $ 420.00 | Marathon | 8/6/2020 | Not supplied | 44.875107 | -89.93865 | 17 |
| 1454 | Residue Management | Cropping | 18 | ACRES | $ 360.00 | $ 360.00 | Marathon | 8/6/2020 | Not supplied | 44.874869 | -89.94285 | 14 |
| 1455 | Residue Management | Cropping | 8 | ACRES | $ 160.00 | $ 160.00 | Marathon | 8/6/2020 | Not supplied | 44.873637 | -89.94281 | 6 |
| 1456 | Residue Management | Cropping | 5 | ACRES | $ 100.00 | $ 100.00 | Marathon | 8/6/2020 | Not supplied | 44.876262 | -89.94251 | 4 |
| 1457 | Residue Management | Cropping | 2 | ACRES | $ 40.00 | $ 40.00 | Marathon | 8/6/2020 | Not supplied | 44.876241 | -89.94595 | 2 |
| 1458 | Residue Management | Cropping | 13 | ACRES | $ 260.00 | $ 260.00 | Marathon | 8/6/2020 | Not supplied | 44.874356 | -89.94591 | 10 |
| 1459 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 8/6/2020 | Not supplied | 44.872452 | -89.94576 | 3 |
| 1460 | Residue Management | Cropping | 6 | ACRES | $ 120.00 | $ 120.00 | Marathon | 8/6/2020 | Not supplied | 44.871509 | -89.94552 | 5 |
| 1461 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 8/6/2020 | Not supplied | 44.870121 | -89.94548 | 8 |
| 3659 | Animal Trails & Walkways | Structural | 200 | FEET | $ 3,500.00 | $ 2,450.00 | Jackson | 8/20/2020 | 30 | 44.26213 | -90.89238 | |
| 3658 | Barnyard Runoff Control Systems | Structural | 1 | NO. | $ 76,864.01 | $ 53,804.81 | Jackson | 8/20/2020 | 50 | 44.261962 | -90.89206 | 88 |
| 3660 | Filter Strips | Structural | 0.3 | ACRES | $ 3,000.00 | $ 2,100.00 | Jackson | 8/20/2020 | 20 | 44.262065 | -90.89216 | |
| 3661 | Livestock Fencing | Structural | 300 | FEET | $ 4,500.00 | $ 3,150.00 | Jackson | 8/20/2020 | 30 | 44.262064 | -90.89231 | |
| 3662 | Livestock Watering Facilities | Structural | 3 | NO. | $ 6,300.00 | $ 4,410.00 | Jackson | 8/20/2020 | 30 | 44.262187 | -90.89226 | |
| 3663 | Waterway Systems | Structural | 0.25 | ACRES | $ 1,200.00 | $ 840.00 | Jackson | 8/20/2020 | 20 | 44.262197 | -90.89225 | |
| 1087 | Streambank/Shoreline Protection - Shaping & Seeding | Structural | 520 | FEET | $ 18,946.26 | $ 9,088.38 | Fond du Lac | 8/21/2020 | NA | 43.925273 | -88.31043 | 69 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3667 | Combo 34: Streambank Protection | Structural | 1091 | FEET | $ 47,841.62 | $ 6,271.65 | Jackson | 8/26/2020 | 75 | 44.463692 | -91.15337 | 207 |
| 1343 | Stream Crossing | Structural | 129 | FEET | $ 12,050.15 | $ 12,050.15 | Lafayette | 9/1/2020 | 25 | 42.548208 | -90.3787 | 0.6 |
| 1342 | Streambank/Shoreline Protection - Rip-rapping | Structural | 410 | FEET | $ 12,050.15 | $ - | Lafayette | 9/1/2020 | 25 | 42.548208 | -90.3787 | 34.2 |
| 1089 | Prescribed Grazing | Structural | 8.6 | ACRES | $ 5,160.00 | $ 5,160.00 | Sauk | 9/17/2020 | 10 | 43.292157 | -89.95682 | 15 |
| 5687 | Combo 22: Livestock Fencing & Riparian Buffers | Structural | 3850; 18.6 | FEET; ACRES | $ 11,160.00 | $ 11,160.00 | Sauk | 9/28/2020 | 10 | 43.592146 | -90.01659 | 32 |
| 1308 | Critical Area Stabilization | Structural | 1 | ACRES | $ 71,484.00 | $ 3,622.99 | Taylor | 10/8/2020 | 10 | 45.16226 | -90.89051 | 64 |
| 876 | Cover Crop | Cropping | 49.7 | ACRES | $ - | $ - | La Crosse | 10/13/2020 | NA | 44.018262 | -91.17144 | 206.4 |
| 949 | Cover Crop | Cropping | 67 | ACRES | $ 1,675.00 | $ 1,675.00 | Walworth | 10/15/2020 | 1 | 42.700705 | -88.51557 | 52.3 |
| 1309 | Waterway Systems | Structural | 2.2 | ACRES | $ 30,000.00 | $ 21,000.00 | Calumet | 10/21/2020 | 10 | 44.023009 | -88.31488 | 171.2 |
| 1300 | Water & Sediment Control Basins | Structural | 1 | NO. | $ 14,825.00 | $ 10,377.50 | Calumet | 10/26/2020 | 10 | 44.057081 | -88.28278 | 35.6 |
| 1302 | Waterway Systems | Structural | 0.6 | ACRES | $ 7,500.00 | $ 5,250.00 | Calumet | 10/26/2020 | 10 | 44.057081 | -88.28278 | 27.3 |
| 3377 | Cover Crop | Cropping | 15.7 | ACRES | $ 560.71 | $ 392.50 | Wood | 10/29/2020 | Not supplied | 44.649613 | -89.97768 | 0 |
| 3378 | Cover Crop | Cropping | 2 | ACRES | $ 71.43 | $ 50.00 | Wood | 10/29/2020 | Not supplied | 44.65665 | -89.98283 | 2 |
| 3379 | Cover Crop | Cropping | 21 | ACRES | $ 750.00 | $ 525.00 | Wood | 10/29/2020 | Not supplied | 44.651367 | -89.98203 | 21 |
| 1085 | Waterway Systems | Structural | 1.3 | ACRES | $ 9,000.00 | $ 6,300.00 | Fond du Lac | 10/30/2020 | NA | 43.895517 | -88.30383 | 47 |
| 3380 | Cover Crop | Cropping | 11.1 | ACRES | $ 396.43 | $ 277.50 | Wood | 12/11/2020 | Not supplied | 44.646346 | -89.90207 | 62.4 |
| 1307 | Milking Center Waste Control Systems | Structural | 1 | NO. | $ 26,876.00 | $ 10,160.01 | Taylor | 12/14/2020 | 10 | 45.076041 | -90.25945 | 272 |
| 1088 | Streambank/Shoreline Protection - Shaping & Seeding | Structural | 1390 | FEET | $ 5,000.00 | $ 5,000.00 | Sauk | 12/18/2020 | 10 | 43.279957 | -90.05271 | 200 |
| 1086 | Streambank/Shoreline Protection - Shaping & Seeding | Structural | 1862 | FEET | $ 35,500.00 | $ 24,849.83 | Fond du Lac | 12/21/2020 | NA | 43.895517 | -88.30383 | 346.25 |
| 1082 | Streambank/Shoreline Protection - Shaping & Seeding | Structural | 3254 | FEET | $ 8,190.00 | $ 5,733.00 | Fond du Lac | 12/21/2020 | NA | 43.886855 | -88.32547 | 197.3 |
| 1084 | Water & Sediment Control Basins | Structural | 1 | NO. | $ 38,788.50 | $ 27,151.95 | Fond du Lac | 12/21/2020 | NA | 43.895517 | -88.30383 | 34.98 |
| 1083 | Wetland Development or Restoration | Structural | 1 | ACRES | $ 36,615.95 | $ 21,256.20 | Fond du Lac | 12/21/2020 | NA | 43.895517 | -88.30383 | |
| 1339 | Water & Sediment Control Basins | Structural | 1 | NO. | $ 15,527.58 | $ 6,143.32 | Waupaca | 12/21/2020 | 10 | 44.54829 | -88.90339 | 19.9 |
| 1305 | Barnyard Runoff Control Systems | Structural | 1 | NO. | $ 82,211.00 | $ 11,526.00 | Taylor | 2/4/2021 | 10 | 45.094385 | -90.57581 | 453 |
| 1306 | Wastewater Treatment Strips | Structural | 1 | ACRES | $ 13,116.00 | $ 1,436.00 | Taylor | 2/4/2021 | 10 | 45.094385 | -90.57581 | |
| 1511 | Combo 29: Barnyard Runoff Control | Structural | 5 | COMBO | $ 61,928.20 | $ 14,284.35 | Lincoln | 2/28/2021 | NA | 45.244904 | -89.75672 | 250.3 |
| 1304 | Waterway Systems | Structural | 1 | ACRES | $ 18,000.00 | $ 13,000.00 | Racine | 4/30/2021 | 15 | 42.748016 | -88.18731 | 66 |
| 3507 | Waterway Systems | Structural | 1 | ACRES | $ 4,603.90 | $ 3,222.73 | Walworth | 5/12/2021 | 10 | 42.692631 | -88.53106 | 3.4 |
| 3665 | Waterway Systems | Structural | 0.5 | ACRES | $ 756.00 | $ 529.20 | Jackson | 5/20/2021 | 20 | 44.514493 | -91.06527 | 11 |
| 3664 | Waterway Systems | Structural | 1 | ACRES | $ 3,023.98 | $ 864.85 | Jackson | 5/20/2021 | 20 | 44.513839 | -91.06062 | 65 |
| 1633 | Residue Management | Cropping | 11 | ACRES | $ 330.00 | $ 330.00 | Marathon | 5/24/2021 | 1 | 44.88892 | -90.05051 | 23 |
| 1597 | Residue Management | Cropping | 3 | ACRES | $ 120.00 | $ 120.00 | Marathon | 5/24/2021 | 1 | 44.89967 | -90.05238 | 7 |
| 1603 | Residue Management | Cropping | 25 | ACRES | $ 1,000.00 | $ 1,000.00 | Marathon | 5/24/2021 | 1 | 44.89548 | -90.05012 | 58 |
| 1609 | Residue Management | Cropping | 20 | ACRES | $ 400.00 | $ 400.00 | Marathon | 5/24/2021 | 1 | 44.87738 | -90.04926 | 16 |
| 1616 | Residue Management | Cropping | 11 | ACRES | $ 220.00 | $ 220.00 | Marathon | 5/24/2021 | 1 | 44.87534 | -90.04331 | 9 |
| 1622 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 5/24/2021 | 1 | 44.86816 | -90.03576 | 15.2 |
| 1628 | Residue Management | Cropping | 20 | ACRES | $ 400.00 | $ 400.00 | Marathon | 5/24/2021 | 1 | 44.89561 | -90.04259 | 16 |
| 1634 | Residue Management | Cropping | 16 | ACRES | $ 480.00 | $ 480.00 | Marathon | 5/24/2021 | 1 | 44.88877 | -90.05345 | 24 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1637 | Residue Management | Cropping | 27 | ACRES | $ 810.00 | $ 810.00 | Marathon | 5/24/2021 | 1 | 44.88477 | -90.05142 | 57 |
| 1639 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 5/24/2021 | 1 | 44.88624 | -90.04738 | 8 |
| 1640 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 5/24/2021 | 1 | 44.88646 | -90.04719 | 4 |
| 1643 | Residue Management | Cropping | 13 | ACRES | $ 390.00 | $ 390.00 | Marathon | 5/24/2021 | 1 | 44.88361 | -90.04643 | 27 |
| 1645 | Residue Management | Cropping | 5 | ACRES | $ 150.00 | $ 150.00 | Marathon | 5/24/2021 | 1 | 44.88121 | -90.04942 | 11 |
| 1646 | Residue Management | Cropping | 8 | ACRES | $ 240.00 | $ 240.00 | Marathon | 5/24/2021 | 1 | 44.88272 | -90.04414 | 17 |
| 1649 | Residue Management | Cropping | 11 | ACRES | $ 330.00 | $ 330.00 | Marathon | 5/24/2021 | 1 | 44.88329 | -90.03751 | 23 |
| 1651 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 5/24/2021 | 1 | 44.88422 | -90.03685 | 15 |
| 1652 | Residue Management | Cropping | 35 | ACRES | $ 1,050.00 | $ 1,050.00 | Marathon | 5/24/2021 | 1 | 44.88593 | -90.03557 | 74 |
| 1655 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 5/24/2021 | 1 | 44.88699 | -90.0434 | 13 |
| 1657 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 5/24/2021 | 1 | 44.8848 | -90.04192 | 15 |
| 1658 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 5/24/2021 | 1 | 44.88422 | -90.04222 | 13 |
| 1591 | Residue Management | Cropping | 68 | ACRES | $ 1,360.00 | $ 1,360.00 | Marathon | 5/24/2021 | 1 | 44.86929 | -90.04734 | 102 |
| 1592 | Residue Management | Cropping | 84 | ACRES | $ 1,680.00 | $ 1,680.00 | Marathon | 5/24/2021 | 1 | 44.87936 | -90.05251 | 125 |
| 1598 | Residue Management | Cropping | 9 | ACRES | $ 360.00 | $ 360.00 | Marathon | 5/24/2021 | 1 | 44.90089 | -90.04951 | 21 |
| 1604 | Residue Management | Cropping | 14 | ACRES | $ 560.00 | $ 560.00 | Marathon | 5/24/2021 | 1 | 44.89902 | -90.01948 | 32 |
| 1610 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 5/24/2021 | 1 | 44.87387 | -90.04866 | 7 |
| 1617 | Residue Management | Cropping | 13 | ACRES | $ 260.00 | $ 260.00 | Marathon | 5/24/2021 | 1 | 44.87798 | -90.04377 | 10 |
| 1623 | Residue Management | Cropping | 23 | ACRES | $ 460.00 | $ 460.00 | Marathon | 5/24/2021 | 1 | 44.88943 | -90.03168 | 18 |
| 1629 | Residue Management | Cropping | 8 | ACRES | $ 160.00 | $ 160.00 | Marathon | 5/24/2021 | 1 | 44.8899 | -90.04817 | 6 |
| 1635 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 5/24/2021 | 1 | 44.89008 | -90.05299 | 8 |
| 1641 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 5/24/2021 | 1 | 44.8866 | -90.04701 | 4 |
| 1647 | Residue Management | Cropping | 9 | ACRES | $ 270.00 | $ 270.00 | Marathon | 5/24/2021 | 1 | 44.88272 | -90.04242 | 19 |
| 1653 | Residue Management | Cropping | 13 | ACRES | $ 390.00 | $ 390.00 | Marathon | 5/24/2021 | 1 | 44.8862 | -90.04042 | 27 |
| 1593 | Residue Management | Cropping | 13 | ACRES | $ 260.00 | $ 260.00 | Marathon | 5/24/2021 | 1 | 44.87498 | -90.03174 | 20 |
| 1595 | Residue Management | Cropping | 6 | ACRES | $ 240.00 | $ 240.00 | Marathon | 5/24/2021 | 1 | 44.89861 | -90.05357 | 14 |
| 1599 | Residue Management | Cropping | 12 | ACRES | $ 480.00 | $ 480.00 | Marathon | 5/24/2021 | 1 | 44.90024 | -90.049 | 28 |
| 1601 | Residue Management | Cropping | 13 | ACRES | $ 520.00 | $ 520.00 | Marathon | 5/24/2021 | 1 | 44.89903 | -90.04861 | 30 |
| 1605 | Residue Management | Cropping | 19 | ACRES | $ 760.00 | $ 760.00 | Marathon | 5/24/2021 | 1 | 44.89893 | -90.01797 | 44 |
| 1607 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 5/24/2021 | 1 | 44.87709 | -90.04027 | 15 |
| 1611 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 5/24/2021 | 1 | 44.87743 | -90.04798 | 11 |
| 1613 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 5/24/2021 | 1 | 44.87709 | -90.04631 | 7 |
| 1618 | Residue Management | Cropping | 18 | ACRES | $ 360.00 | $ 360.00 | Marathon | 5/24/2021 | 1 | 44.87071 | -90.03831 | 14 |
| 1620 | Residue Management | Cropping | 15 | ACRES | $ 300.00 | $ 300.00 | Marathon | 5/24/2021 | 1 | 44.86756 | -90.04153 | 12 |
| 1624 | Residue Management | Cropping | 30 | ACRES | $ 600.00 | $ 600.00 | Marathon | 5/24/2021 | 1 | 44.88933 | -90.02812 | 24 |
| 1626 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 5/24/2021 | 1 | 44.89252 | -90.04107 | 8 |
| 1630 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 5/24/2021 | 1 | 44.88859 | -90.04772 | 15 |
| 1632 | Residue Management | Cropping | 21 | ACRES | $ 420.00 | $ 420.00 | Marathon | 5/24/2021 | 1 | 44.86756 | -90.03826 | 17 |
| 1636 | Residue Management | Cropping | 21 | ACRES | $ 630.00 | $ 630.00 | Marathon | 5/24/2021 | 1 | 44.8865 | -90.05184 | 44 |
| 1638 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 5/24/2021 | 1 | 44.88642 | -90.049 | 4 |
| 1642 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 5/24/2021 | 1 | 44.88705 | -90.04695 | 13 |
| 1644 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 5/24/2021 | 1 | 44.88332 | -90.04891 | 13 |
| 1648 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 5/24/2021 | 1 | 44.88278 | -90.04076 | 15 |
| 1650 | Residue Management | Cropping | 22 | ACRES | $ 660.00 | $ 660.00 | Marathon | 5/24/2021 | 1 | 44.88224 | -90.03429 | 46 |
| 1654 | Residue Management | Cropping | 3 | ACRES | $ 90.00 | $ 90.00 | Marathon | 5/24/2021 | 1 | 44.88702 | -90.04084 | 6 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1656 | Residue Management | Cropping | 11 | ACRES | $ 330.00 | $ 330.00 | Marathon | 5/24/2021 | 1 | 44.88544 | -90.04141 | 23 |
| 1596 | Residue Management | Cropping | 10 | ACRES | $ 400.00 | $ 400.00 | Marathon | 5/24/2021 | 1 | 44.90036 | -90.05404 | 23 |
| 1594 | Residue Management | Cropping | 36 | ACRES | $ 720.00 | $ 720.00 | Marathon | 5/24/2021 | 1 | 44.86036 | -90.00699 | 54 |
| 1600 | Residue Management | Cropping | 8 | ACRES | $ 320.00 | $ 320.00 | Marathon | 5/24/2021 | 1 | 44.89976 | -90.04878 | 18 |
| 1602 | Residue Management | Cropping | 39 | ACRES | $ 1,560.00 | $ 1,560.00 | Marathon | 5/24/2021 | 1 | 44.89693 | -90.05018 | 90 |
| 1606 | Residue Management | Cropping | 22 | ACRES | $ 880.00 | $ 880.00 | Marathon | 5/24/2021 | 1 | 44.89904 | -90.01617 | 51 |
| 1608 | Residue Management | Cropping | 39 | ACRES | $ 780.00 | $ 780.00 | Marathon | 5/24/2021 | 1 | 44.87144 | -90.04164 | 31 |
| 1612 | Residue Management | Cropping | 7 | ACRES | $ 140.00 | $ 140.00 | Marathon | 5/24/2021 | 1 | 44.87963 | -90.04635 | 6 |
| 1614 | Residue Management | Cropping | 16.5 | ACRES | $ 330.00 | $ 330.00 | Marathon | 5/24/2021 | 1 | 44.87469 | -90.04624 | 13 |
| 1615 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 5/24/2021 | 1 | 44.8737 | -90.04232 | 8 |
| 1619 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 5/24/2021 | 1 | 44.87232 | -90.0365 | 7 |
| 1621 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 5/24/2021 | 1 | 44.86789 | -90.0429 | 11 |
| 1625 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 5/24/2021 | 1 | 44.89171 | -90.04339 | 15 |
| 1627 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 5/24/2021 | 1 | 44.89407 | -90.04204 | 11 |
| 1631 | Residue Management | Cropping | 3.5 | ACRES | $ 70.00 | $ 70.00 | Marathon | 5/24/2021 | 1 | 44.8881 | -90.04395 | 3 |
| 1661 | Residue Management | Cropping | 8 | ACRES | $ 160.00 | $ 160.00 | Marathon | 5/28/2021 | 1 | 44.87364 | -89.94281 | 7 |
| 1663 | Residue Management | Cropping | 2 | ACRES | $ 40.00 | $ 40.00 | Marathon | 5/28/2021 | 1 | 44.87624 | -89.94595 | 2 |
| 1664 | Residue Management | Cropping | 13 | ACRES | $ 260.00 | $ 260.00 | Marathon | 5/28/2021 | 1 | 44.87436 | -89.94591 | 12 |
| 1667 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 5/28/2021 | 1 | 44.87012 | -89.94548 | 9 |
| 1669 | Residue Management | Cropping | 8 | ACRES | $ 160.00 | $ 160.00 | Marathon | 5/28/2021 | 1 | 44.87103 | -89.94195 | 7 |
| 1673 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 5/28/2021 | 1 | 44.87025 | -89.93813 | 8 |
| 1675 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 5/28/2021 | 1 | 44.87114 | -89.94795 | 4 |
| 1676 | Residue Management | Cropping | 7 | ACRES | $ 140.00 | $ 140.00 | Marathon | 5/28/2021 | 1 | 44.87196 | -89.95034 | 6 |
| 1679 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 5/28/2021 | 1 | 44.86882 | -89.94799 | 4 |
| 1659 | Residue Management | Cropping | 21 | ACRES | $ 420.00 | $ 420.00 | Marathon | 5/28/2021 | 1 | 44.87511 | -89.93865 | 19 |
| 1665 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 5/28/2021 | 1 | 44.87245 | -89.94576 | 4 |
| 1671 | Residue Management | Cropping | 3 | ACRES | $ 60.00 | $ 60.00 | Marathon | 5/28/2021 | 1 | 44.87251 | -89.93916 | 3 |
| 1677 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 5/28/2021 | 1 | 44.87037 | -89.95095 | 9 |
| 1660 | Residue Management | Cropping | 18 | ACRES | $ 360.00 | $ 360.00 | Marathon | 5/28/2021 | 1 | 44.87487 | -89.94285 | 16 |
| 1662 | Residue Management | Cropping | 5 | ACRES | $ 100.00 | $ 100.00 | Marathon | 5/28/2021 | 1 | 44.87626 | -89.94251 | 5 |
| 1666 | Residue Management | Cropping | 6 | ACRES | $ 120.00 | $ 120.00 | Marathon | 5/28/2021 | 1 | 44.87151 | -89.94552 | 5 |
| 1668 | Residue Management | Cropping | 5 | ACRES | $ 100.00 | $ 100.00 | Marathon | 5/28/2021 | 1 | 44.86984 | -89.94207 | 5 |
| 1672 | Residue Management | Cropping | 2 | ACRES | $ 40.00 | $ 40.00 | Marathon | 5/28/2021 | 1 | 44.87167 | -89.93943 | 2 |
| 1674 | Residue Management | Cropping | 3 | ACRES | $ 60.00 | $ 60.00 | Marathon | 5/28/2021 | 1 | 44.87239 | -89.94797 | 3 |
| 1678 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 5/28/2021 | 1 | 44.86789 | -89.95094 | 4 |
| 1680 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 5/28/2021 | 1 | 44.86044 | -89.96501 | 8 |
| 1670 | Residue Management | Cropping | 4 | ACRES | $ 80.00 | $ 80.00 | Marathon | 6/9/2021 | 1 | 44.87239 | -89.94205 | 4 |
| 1681 | Residue Management | Cropping | 5 | ACRES | $ 100.00 | $ 100.00 | Marathon | 6/9/2021 | 1 | 44.873456 | -89.93914 | 5 |
| 3587 | Critical Area Stabilization | Structural | 0.21 | ACRES | $ 4,573.50 | $ 3,201.45 | Calumet | 6/10/2021 | 10 | 43.941748 | -88.30052 | 17.7 |
| 3586 | Waterway Systems | Structural | 0.23 | ACRES | $ 4,573.50 | $ 3,201.45 | Calumet | 6/10/2021 | 10 | 43.941767 | -88.30047 | 9.5 |
| 3556 | Manure Storage System Closure | Structural | 1 | NO. | $ 8,784.89 | $ - | Door | 6/15/2021 | Perpetual | 44.706604 | -87.48841 | |
| 2354 | Streambank/Shoreline Protection - Rip-rapping | Structural | 500 | FEET | $ 17,411.00 | $ 3,921.90 | La Crosse | 6/16/2021 | 10 | 44.033147 | -91.14367 | 45 |
| 3552 | Waterway Systems | Structural | 2.15 | ACRES | $ 17,156.49 | $ 11,788.55 | Door | 6/22/2021 | 10 | 44.700783 | -87.49096 | 184.2 |
| 1685 | Prescribed Grazing | Structural | 14.7 | ACRES | $ 8,820.00 | $ 8,820.00 | Sauk | 6/28/2021 | 10 | 43.586327 | -90.02786 | 138 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3348 | Residue Management | Cropping | 21.8 | ACRES | $ 576.14 | $ 403.30 | Wood | 7/2/2021 | Not supplied | 44.588568 | -89.8477 | 65.4 |
| 3350 | Residue Management | Cropping | 12.2 | ACRES | $ 322.43 | $ 225.70 | Wood | 7/2/2021 | Not supplied | 44.592713 | -89.84388 | 12.2 |
| 3351 | Residue Management | Cropping | 16.4 | ACRES | $ 433.43 | $ 303.40 | Wood | 7/2/2021 | Not supplied | 44.592029 | -89.83878 | 49.2 |
| 3352 | Residue Management | Cropping | 15.1 | ACRES | $ 399.07 | $ 279.35 | Wood | 7/2/2021 | Not supplied | 44.584501 | -89.84212 | 60.4 |
| 3353 | Residue Management | Cropping | 16.9 | ACRES | $ 446.64 | $ 312.65 | Wood | 7/2/2021 | Not supplied | 44.584539 | -89.83583 | 50.7 |
| 3354 | Residue Management | Cropping | 17.9 | ACRES | $ 473.07 | $ 331.15 | Wood | 7/2/2021 | Not supplied | 44.583244 | -89.8486 | 143.2 |
| 3355 | Residue Management | Cropping | 16.1 | ACRES | $ 425.50 | $ 297.85 | Wood | 7/2/2021 | Not supplied | 44.582014 | -89.84881 | 112.7 |
| 3356 | Residue Management | Cropping | 11.2 | ACRES | $ 296.00 | $ 207.20 | Wood | 7/2/2021 | Not supplied | 44.580789 | -89.84791 | 67.2 |
| 3349 | Residue Management | Cropping | 33 | ACRES | $ 872.14 | $ 610.50 | Wood | 7/2/2021 | Not supplied | 44.585541 | -89.84781 | 264 |
| 3345 | Residue Management | Cropping | 2 | ACRES | $ 52.86 | $ 37.00 | Wood | 7/2/2021 | Not supplied | 44.589709 | -89.85025 | 2 |
| 3346 | Residue Management | Cropping | 14.5 | ACRES | $ 383.21 | $ 268.25 | Wood | 7/2/2021 | Not supplied | 44.590368 | -89.85279 | 14.5 |
| 3347 | Residue Management | Cropping | 21.9 | ACRES | $ 578.79 | $ 405.15 | Wood | 7/2/2021 | Not supplied | 44.588629 | -89.85287 | 0 |
| 3369 | Residue Management | Cropping | 11.1 | ACRES | $ 293.36 | $ 205.35 | Wood | 7/7/2021 | Not supplied | 44.646346 | -89.90207 | 66.6 |
| 3376 | Residue Management | Cropping | 11.1 | ACRES | $ 293.36 | $ 205.35 | Wood | 7/7/2021 | Not supplied | 44.631093 | -89.91787 | 0 |
| 3371 | Residue Management | Cropping | 18.7 | ACRES | $ 494.21 | $ 345.95 | Wood | 7/7/2021 | Not supplied | 44.63912 | -89.89939 | 93.5 |
| 3372 | Residue Management | Cropping | 19.8 | ACRES | $ 523.29 | $ 366.30 | Wood | 7/7/2021 | Not supplied | 44.640957 | -89.91397 | 59.4 |
| 3373 | Residue Management | Cropping | 18.5 | ACRES | $ 488.93 | $ 342.25 | Wood | 7/7/2021 | Not supplied | 44.640947 | -89.90883 | 55.5 |
| 3374 | Residue Management | Cropping | 1.7 | ACRES | $ 44.93 | $ 31.45 | Wood | 7/7/2021 | Not supplied | 44.64238 | -89.90506 | 0 |
| 3375 | Residue Management | Cropping | 2.1 | ACRES | $ 55.50 | $ 38.85 | Wood | 7/7/2021 | Not supplied | 44.642111 | -89.90271 | 0 |
| 3370 | Residue Management | Cropping | 5.8 | ACRES | $ 153.29 | $ 107.30 | Wood | 7/7/2021 | Not supplied | 44.641526 | -89.89802 | 0 |
| 3666 | Combo 34: Streambank/Shoreline | Structural | 300 | FEET | $ 18,861.48 | $ 13,203.04 | Jackson | 7/22/2021 | 75 | 44.112751 | -91.08484 | 94.5 |
| 3128 | Grade Stabilization Structures | Structural | 1 | NO. | $ 4,893.02 | $ 3,425.11 | Grant | 7/26/2021 | 15 | 42.605764 | -90.62799 | 15 |
| 3127 | Grade Stabilization Structures | Structural | 1 | NO. | $ 4,893.01 | $ 3,425.11 | Grant | 7/26/2021 | 15 | 42.605764 | -90.62799 | 15 |
| 7802 | Filter Strips | Structural | 1 | ACRES | $ 1,000.00 | $ 1,000.00 | Ozaukee | 7/28/2021 | 10 | 43.469549 | -87.82422 | 41 |
| 7805 | Filter Strips | Structural | 7.5 | ACRES | $ 7,500.00 | $ 7,500.00 | Ozaukee | 7/28/2021 | NA | 43.471957 | -87.8244 | 308 |
| 7806 | Filter Strips | Structural | 6 | ACRES | $ 6,000.00 | $ 6,000.00 | Ozaukee | 7/28/2021 | 10 | 43.479101 | -87.82153 | 246 |
| 7803 | Filter Strips | Structural | 2.8 | ACRES | $ 2,800.00 | $ 2,800.00 | Ozaukee | 7/28/2021 | 10 | 43.468561 | -87.82591 | 115 |
| 7804 | Filter Strips | Structural | 1 | ACRES | $ 1,000.00 | $ 1,000.00 | Ozaukee | 7/28/2021 | 10 | 43.472329 | -87.82361 | 41 |
| 3614 | Waterway Systems | Structural | 3 | ACRES | $ 19,460.00 | $ 9,145.41 | Eau Claire | 8/3/2021 | 10 | 44.694254 | -91.18568 | 439 |
| 3588 | Waterway Systems | Structural | 0.65 | ACRES | $ 11,968.72 | $ 8,378.10 | Calumet | 8/3/2021 | 10 | 44.057829 | -88.2877 | 55.1 |
| 2839 | Streambank/Shoreline Protection - Rip-rapping | Structural | 175 | FEET | $ 5,000.00 | $ 3,500.00 | Pierce | 8/3/2021 | NA | 44.612337 | -92.44251 | 375 |
| 3501 | Water & Sediment Control Basins | Structural | 1 | NO. | $ 11,509.00 | $ 8,056.00 | Manitowoc | 8/11/2021 | NA | 44.033374 | -87.73935 | 17 |
| 3502 | Waterway Systems | Structural | 0.25 | ACRES | $ 2,203.00 | $ 1,542.00 | Manitowoc | 8/11/2021 | 10 | 44.034126 | -87.73923 | 3 |
| 1574 | Streambank/Shoreline Protection - Rip-rapping | Structural | 346 | FEET | $ 10,092.99 | $ 5,509.98 | Trempealeau | 8/11/2021 | 10 | 44.4448 | -91.40438 | 73 |
| 5693 | Cover Crop | Cropping | 11.83 | ACRES | $ 627.38 | $ 627.38 | Brown | 8/15/2021 | 1 | 44.384942 | -88.04857 | 15.7 |
| 3557 | Livestock Fencing | Structural | 9660 | FEET | $ 16,948.15 | $ 11,863.70 | Taylor | 8/20/2021 | 10 | 45.094114 | -90.57499 | 245.7 |
| 3503 | Waterway Systems | Structural | 0.5 | ACRES | $ 4,120.00 | $ 824.00 | Manitowoc | 9/2/2021 | 10 | 43.990037 | -87.71275 | 15 |
| 3555 | Grade Stabilization Structures | Structural | 1 | NO. | $ 22,464.00 | $ 12,988.00 | Juneau | 9/10/2021 | 15 | 43.70491 | -90.1505 | 9.94 |
| 1566 | Streambank/Shoreline Protection - Rip-rapping | Structural | 58 | FEET | $ 4,417.33 | $ 3,975.60 | Trempealeau | 9/10/2021 | 10 | 44.21205 | -91.16306 | 27 |
| 4398 | Waterway Systems | Structural | 0.33 | ACRES | $ 2,189.84 | $ 437.97 | Manitowoc | 9/10/2021 | 10 | 44.046024 | -87.752 | 18.85 |
| 1567 | Animal Trails & Walkways | Structural | 430 | FEET | $ 11,915.02 | $ 10,723.50 | Trempealeau | 9/14/2021 | 10 | 44.21205 | -91.16306 | 27 |
| 3531 | Cover Crop | Cropping | 74.4 | ACRES | $ 6,557.61 | $ 3,278.82 | Fond du Lac | 9/15/2021 | 1 | 43.894912 | -88.27476 | 143 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2355 | Streambank/Shoreline Protection - Rip-rapping | Structural | 885 | FEET | $ 40,927.75 | $ 6,493.69 | La Crosse | 9/21/2021 | 10 | 43.814243 | -90.99759 | 436 |
| 3611 | Cover Crop | Cropping | 30 | ACRES | $ 750.00 | $ 750.00 | Jefferson | 9/23/2021 | 1 | 42.926336 | -88.65576 | 72 |
| 1684 | Prescribed Grazing | Structural | 12.74 | ACRES | $ 7,644.00 | $ 7,644.00 | Sauk | 9/27/2021 | 10 | 43.291586 | -89.94455 | 21.7 |
| 3564 | Cover Crop | Cropping | 27 | ACRES | $ 675.00 | $ 675.00 | Jefferson | 10/1/2021 | NA | 43.134113 | -88.6453 | 21.6 |
| 3562 | Cover Crop | Cropping | 12.5 | ACRES | $ 312.50 | $ 312.50 | Jefferson | 10/1/2021 | NA | 43.113817 | -88.62823 | 20 |
| 3563 | Cover Crop | Cropping | 3 | ACRES | $ 75.00 | $ 75.00 | Jefferson | 10/1/2021 | NA | 43.113833 | -88.63117 | 2.7 |
| 3567 | Cover Crop | Cropping | 80 | ACRES | $ 2,000.00 | $ 1,230.00 | Jefferson | 10/3/2021 | NA | 43.132574 | -88.8473 | 80 |
| 3585 | Waterway Systems | Structural | 0.96 | ACRES | $ 10,580.30 | $ 7,406.21 | Calumet | 10/5/2021 | 10 | 44.063161 | -88.28221 | 29.9 |
| 3547 | Waterway Systems | Structural | 2.2 | ACRES | $ 19,270.35 | $ 13,489.25 | Winnebago | 10/14/2021 | 20 | 43.946892 | -88.60606 | 466.4 |
| 3610 | Cover Crop | Cropping | 6.7 | ACRES | $ 167.50 | $ 167.50 | Jefferson | 10/15/2021 | 1 | 42.845297 | -88.85542 | 2.01 |
| 3561 | Cover Crop | Cropping | 12.6 | ACRES | $ 415.00 | $ 415.00 | Jefferson | 10/20/2021 | NA | 43.070892 | -88.82722 | 1.26 |
| 3584 | Waterway Systems | Structural | 0.64 | ACRES | $ 15,734.78 | $ 9,814.29 | Calumet | 10/21/2021 | 10 | 44.159086 | -88.04771 | 10.3 |
| 3607 | Cover Crop | Cropping | 5.1 | ACRES | $ 127.50 | $ 127.50 | Jefferson | 10/22/2021 | 1 | 43.003115 | -88.65216 | 24.78 |
| 3609 | Cover Crop | Cropping | 7.3 | ACRES | $ 182.50 | $ 182.50 | Jefferson | 10/22/2021 | 1 | 42.995615 | -88.63809 | 36.5 |
| 3606 | Cover Crop | Cropping | 17.4 | ACRES | $ 435.00 | $ 372.50 | Jefferson | 10/22/2021 | 1 | 43.00158 | -88.6514 | 38.28 |
| 3605 | Cover Crop | Cropping | 21.7 | ACRES | $ 542.50 | $ 542.50 | Jefferson | 10/22/2021 | 1 | 42.943917 | -88.63273 | 73.78 |
| 3608 | Cover Crop | Cropping | 13.9 | ACRES | $ 347.50 | $ 347.50 | Jefferson | 10/22/2021 | 1 | 43.009112 | -88.64611 | 54.21 |
| 3568 | Cover Crop | Cropping | 33.9 | ACRES | $ 847.50 | $ 847.50 | Jefferson | 10/26/2021 | NA | 43.116441 | -88.83987 | 3.39 |
| 3569 | Cover Crop | Cropping | 11.1 | ACRES | $ 277.50 | $ 277.50 | Jefferson | 10/26/2021 | NA | 43.115478 | -88.83605 | 1.11 |
| 3571 | Cover Crop | Cropping | 3.8 | ACRES | $ 95.00 | $ 95.00 | Jefferson | 10/26/2021 | NA | 43.157919 | -88.8438 | 0.76 |
| 3572 | Cover Crop | Cropping | 8.5 | ACRES | $ 212.50 | $ 212.50 | Jefferson | 10/26/2021 | NA | 43.157746 | -88.84636 | 7.65 |
| 3570 | Cover Crop | Cropping | 6.1 | ACRES | $ 152.50 | $ 152.50 | Jefferson | 10/26/2021 | NA | 43.136635 | -88.84392 | 1.22 |
| 3539 | Water & Sediment Control Basins | Structural | 1 | NO. | $ 32,981.48 | $ 11,477.56 | Fond du Lac | 10/28/2021 | 10 | 43.638031 | -88.59655 | 6.9 |
| 3498 | Streambank/Shoreline Protection - Rip-rapping | Structural | 1435 | FEET | $ 78,200.00 | $ 26,253.00 | Juneau | 10/29/2021 | NA | 43.887357 | -90.26731 | 187 |
| 3538 | Residue Management | Cropping | 199.5 | ACRES | $ 7,980.00 | $ 3,990.00 | Fond du Lac | 11/1/2021 | NA | 43.923414 | -88.27692 | 193.5 |
| 3565 | Cover Crop | Cropping | 25 | ACRES | $ 625.00 | $ 625.00 | Jefferson | 11/1/2021 | NA | 43.141325 | -88.85994 | 2.5 |
| 3566 | Cover Crop | Cropping | 25.8 | ACRES | $ 645.00 | $ 645.00 | Jefferson | 11/1/2021 | NA | 43.137855 | -88.85263 | 2.58 |
| 3335 | Cover Crop | Cropping | 39.4 | ACRES | $ 1,407.14 | $ 985.00 | Wood | 11/3/2021 | Not supplied | 44.582201 | -90.31828 | 0 |
| 3336 | Cover Crop | Cropping | 31.1 | ACRES | $ 1,110.71 | $ 777.50 | Wood | 11/3/2021 | Not supplied | 44.581148 | -90.31461 | 31.1 |
| 3337 | Cover Crop | Cropping | 102.7 | ACRES | $ 3,667.86 | $ 2,567.50 | Wood | 11/3/2021 | Not supplied | 44.587847 | -90.30702 | 205.4 |
| 3359 | Cover Crop | Cropping | 91.5 | ACRES | $ 3,267.86 | $ 2,287.50 | Wood | 11/3/2021 | Not supplied | 44.59559 | -90.27372 | 274.5 |
| 3357 | Cover Crop | Cropping | 49.3 | ACRES | $ 1,760.71 | $ 1,232.50 | Wood | 11/3/2021 | Not supplied | 44.586547 | -90.28255 | 98.6 |
| 3358 | Cover Crop | Cropping | 76.9 | ACRES | $ 2,746.43 | $ 1,922.50 | Wood | 11/3/2021 | Not supplied | 44.602543 | -90.27353 | 153.7 |
| 3360 | Cover Crop | Cropping | 40.9 | ACRES | $ 1,460.71 | $ 1,022.50 | Wood | 11/3/2021 | Not supplied | 44.590271 | -90.27503 | 81.8 |
| 3334 | Cover Crop | Cropping | 102.5 | ACRES | $ 3,660.71 | $ 2,562.50 | Wood | 11/3/2021 | Not supplied | 44.581172 | -90.29061 | 0 |
| 3444 | Cover Crop | Cropping | 40.9 | ACRES | $ 1,554.00 | $ 1,554.00 | Brown | 11/5/2021 | 1 | 44.352613 | -88.13998 | 130.2 |
| 3430 | Cover Crop | Cropping | 10.57 | ACRES | $ 560.21 | $ 560.21 | Brown | 11/5/2021 | 1 | 44.384431 | -88.04853 | 21.4 |
| 3338 | Residue Management | Cropping | 26.8 | ACRES | $ 708.29 | $ 495.80 | Wood | 11/8/2021 | Not supplied | 44.593483 | -90.30137 | 202.75 |
| 3341 | Residue Management | Cropping | 24 | ACRES | $ 634.29 | $ 444.00 | Wood | 11/8/2021 | Not supplied | 44.579963 | -90.35248 | 104.25 |
| 3342 | Residue Management | Cropping | 18.4 | ACRES | $ 486.29 | $ 340.40 | Wood | 11/8/2021 | Not supplied | 44.578191 | -90.34793 | 55.37 |
| 3343 | Residue Management | Cropping | 19.9 | ACRES | $ 525.93 | $ 368.15 | Wood | 11/8/2021 | Not supplied | 44.582696 | -90.34876 | 86.44 |
| 3344 | Residue Management | Cropping | 11.7 | ACRES | $ 309.21 | $ 216.45 | Wood | 11/8/2021 | Not supplied | 44.579794 | -90.35756 | 45.8 |
| 3340 | Residue Management | Cropping | 16.4 | ACRES | $ 433.43 | $ 303.40 | Wood | 11/8/2021 | Not supplied | 44.579121 | -90.35483 | 71.24 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3362 | Residue Management | Cropping | 29.2 | ACRES | $ 771.71 | $ 540.20 | Wood | 11/8/2021 | Not supplied | 44.595665 | -90.29093 | 220.91 |
| 3363 | Residue Management | Cropping | 56.6 | ACRES | $ 1,495.86 | $ 1,047.10 | Wood | 11/8/2021 | Not supplied | 44.600762 | -90.28973 | 97.21 |
| 3361 | Residue Management | Cropping | 23.4 | ACRES | $ 618.43 | $ 432.90 | Wood | 11/8/2021 | Not supplied | 44.593544 | -90.28983 | 177.03 |
| 3339 | Residue Management | Cropping | 35.1 | ACRES | $ 927.64 | $ 649.35 | Wood | 11/8/2021 | Not supplied | 44.597192 | -90.30122 | 132.81 |
| 7229 | Waterway Systems | Structural | 0.5 | ACRES | $ 4,120.00 | $ 169.93 | Manitowoc | 11/8/2021 | 10 | 43.990859 | -87.71183 | 15 |
| 4397 | Waterway Systems | Structural | 0.83 | ACRES | $ 16,351.88 | $ 3,270.38 | Manitowoc | 11/11/2021 | 10 | 44.045198 | -87.74875 | 53.22 |
| 7231 | Waterway Systems | Structural | 0.11 | ACRES | $ 2,167.12 | $ 433.42 | Manitowoc | 11/11/2021 | 10 | 44.044299 | -87.74622 | 8.63 |
| 3543 | Critical Area Stabilization | Structural | 0.5 | ACRES | $ 5,765.75 | $ 4,036.03 | Winnebago | 11/12/2021 | 20 | 43.930419 | -88.56246 | 108.2 |
| 3551 | Riparian Buffers | Structural | 3.9 | ACRES | $ 12,502.20 | $ 561.54 | Winnebago | 11/17/2021 | 10 | 43.927719 | -88.49641 | 54.6 |
| 3549 | Stream Crossing | Structural | 44 | FEET | $ 4,000.00 | $ 2,800.00 | Winnebago | 11/17/2021 | 20 | 43.929389 | -88.49577 | 4.5 |
| 3548 | Streambank/Shoreline Protection - Shaping & Seeding | Structural | 4006 | FEET | $ 25,937.56 | $ 18,156.28 | Winnebago | 11/17/2021 | 20 | 43.927591 | -88.49634 | 1502.6 |
| 3550 | Waterway Systems | Structural | 0.1 | ACRES | $ 1,200.00 | $ 840.00 | Winnebago | 11/17/2021 | 20 | 43.926378 | -88.49694 | 129.3 |
| 3616 | Waterway Systems | Structural | 3 | ACRES | $ 11,800.00 | $ 4,757.48 | Eau Claire | 11/18/2021 | 10 | 44.603308 | -91.59336 | 426.9 |
| 3435 | Cover Crop | Cropping | 51 | ACRES | $ 1,173.00 | $ 1,173.00 | Brown | 11/22/2021 | 1 | 44.352613 | -88.13998 | 115.7 |
| 3434 | Cover Crop | Cropping | 8.3 | ACRES | $ 190.90 | $ 190.90 | Brown | 11/22/2021 | 1 | 44.352613 | -88.13998 | 22.3 |
| 3433 | Cover Crop | Cropping | 51.5 | ACRES | $ 1,184.50 | $ 1,184.50 | Brown | 11/22/2021 | 1 | 44.352613 | -88.13998 | 125.7 |
| 3432 | Cover Crop | Cropping | 4.4 | ACRES | $ 101.20 | $ 101.20 | Brown | 11/22/2021 | 1 | 44.352613 | -88.13998 | 11.2 |
| 3431 | Cover Crop | Cropping | 30.7 | ACRES | $ 706.10 | $ 706.10 | Brown | 11/22/2021 | 1 | 44.352613 | -88.13998 | 82.4 |
| 3368 | Cover Crop | Cropping | 38.92 | ACRES | $ 1,390.00 | $ 973.00 | Wood | 12/8/2021 | Not supplied | 44.542357 | -89.85731 | 38.7 |
| 3365 | Cover Crop | Cropping | 11.25 | ACRES | $ 401.79 | $ 281.25 | Wood | 12/8/2021 | Not supplied | 44.599046 | -89.8932 | 45 |
| 3367 | Cover Crop | Cropping | 53.1 | ACRES | $ 1,896.43 | $ 1,327.50 | Wood | 12/8/2021 | Not supplied | 44.587176 | -89.87834 | 0 |
| 3364 | Cover Crop | Cropping | 54.8 | ACRES | $ 1,957.14 | $ 1,370.00 | Wood | 12/8/2021 | Not supplied | 44.600149 | -89.92488 | 53.3 |
| 3366 | Cover Crop | Cropping | 18 | ACRES | $ 642.86 | $ 450.00 | Wood | 12/8/2021 | Not supplied | 44.601185 | -89.89319 | 53.7 |
| 3536 | Waterway Systems | Structural | 1 | ACRES | $ 11,118.74 | $ 7,783.12 | Winnebago | 12/21/2021 | 20 | 43.934813 | -88.55223 | 97.2 |
| 8658 | Waterway Systems | Structural | 1 | ACRES | $ 68,383.00 | $ 1,113.73 | Dunn | 2/25/2022 | NA | 44.81837 | -91.65504 | 177 |
| 6234 | Waterway Systems | Structural | 1.5 | ACRES | $ 13,039.93 | $ 9,127.95 | Walworth | 4/27/2022 | 10 | 42.559487 | -88.51343 | 59 |
| 6844 | Critical Area Stabilization | Structural | 0.9 | ACRES | $ 458.00 | $ 458.00 | Barron | 5/11/2022 | 5 | 45.351926 | -91.91894 | 11 |
| 6842 | Critical Area Stabilization | Structural | 0.7 | ACRES | $ 358.00 | $ 358.00 | Barron | 5/11/2022 | 5 | 45.466389 | -92.02651 | 3 |
| 6845 | Critical Area Stabilization | Structural | 1.6 | ACRES | $ 808.00 | $ 808.00 | Barron | 5/11/2022 | 5 | 45.352049 | -91.92704 | 18 |
| 6843 | Critical Area Stabilization | Structural | 0.9 | ACRES | $ 458.00 | $ 458.00 | Barron | 5/11/2022 | 5 | 45.467698 | -92.03259 | 3 |
| 7789 | Harvestable Buffers | Structural | 4 | ACRES | $ 800.00 | $ 800.00 | Dunn | 5/15/2022 | 0 | 45.116406 | -91.66576 | 1.8 |
| 7791 | Harvestable Buffers | Structural | 0.75 | ACRES | $ 148.24 | $ 148.24 | Dunn | 5/15/2022 | 0 | 45.057717 | -91.97095 | 0.3 |
| 7788 | Harvestable Buffers | Structural | 7.5 | ACRES | $ 1,500.00 | $ 1,500.00 | Dunn | 5/15/2022 | 0 | 45.119343 | -91.66537 | 3.4 |
| 7790 | Harvestable Buffers | Structural | 1 | ACRES | $ 200.00 | $ 200.00 | Dunn | 5/15/2022 | 0 | 45.101602 | -91.77899 | 0.4 |
| 6235 | Waterway Systems | Structural | 6 | ACRES | $ 30,300.00 | $ 21,210.00 | Walworth | 5/18/2022 | 10 | 42.56406 | -88.49372 | 429 |
| 5692 | Residue Management | Cropping | 40.9 | ACRES | $ 919.64 | $ 919.64 | Brown | 5/22/2022 | 1 | 44.387905 | -88.06804 | 67.1 |
| 5690 | Residue Management | Cropping | 7.2 | ACRES | $ 176.40 | $ 176.40 | Brown | 5/22/2022 | 1 | 44.391592 | -88.04694 | 2.9 |
| 5689 | Residue Management | Cropping | 33.9 | ACRES | $ 627.38 | $ 627.38 | Brown | 5/28/2022 | 1 | 44.243951 | -88.06001 | 74.3 |
| 5032 | Manure Storage Systems | Structural | 1 | NO. | $ 25,488.40 | $ 25,488.40 | Buffalo | 6/3/2022 | 25 | 44.471744 | -91.64394 | 53.6 |
| 6201 | Waterway Systems | Structural | 1 | ACRES | $ 3,097.00 | $ 2,167.90 | Walworth | 6/7/2022 | 10 | 42.646513 | -88.50134 | 24 |
| 4782 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/9/2022 | 1 | 44.88422 | -90.04222 | 11 |
| 4784 | Residue Management | Cropping | 18 | ACRES | $ 540.00 | $ 540.00 | Marathon | 6/9/2022 | 1 | 44.87487 | -89.94285 | 34 |
| 4787 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 6/9/2022 | 1 | 44.87624 | -89.94595 | 4 |
| 4766 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/9/2022 | 1 | 44.88705 | -90.04695 | 11 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4756 | Residue Management | Cropping | 21 | ACRES | $ 420.00 | $ 420.00 | Marathon | 6/9/2022 | 1 | 44.86784 | -90.03826 | 15 |
| 4761 | Residue Management | Cropping | 27 | ACRES | $ 810.00 | $ 810.00 | Marathon | 6/9/2022 | 1 | 44.88477 | -90.05142 | 49 |
| 4771 | Residue Management | Cropping | 9 | ACRES | $ 270.00 | $ 270.00 | Marathon | 6/9/2022 | 1 | 44.88272 | -90.04242 | 16 |
| 4776 | Residue Management | Cropping | 35 | ACRES | $ 1,050.00 | $ 1,050.00 | Marathon | 6/9/2022 | 1 | 44.88593 | -90.03557 | 63 |
| 4781 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 6/9/2022 | 1 | 44.8848 | -90.04192 | 13 |
| 4786 | Residue Management | Cropping | 5 | ACRES | $ 150.00 | $ 150.00 | Marathon | 6/9/2022 | 1 | 44.87626 | -89.94251 | 10 |
| 4791 | Residue Management | Cropping | 10 | ACRES | $ 300.00 | $ 300.00 | Marathon | 6/9/2022 | 1 | 44.87012 | -89.94548 | 19 |
| 4795 | Residue Management | Cropping | 3 | ACRES | $ 90.00 | $ 90.00 | Marathon | 6/9/2022 | 1 | 44.87251 | -89.93916 | 6 |
| 4796 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 6/9/2022 | 1 | 44.87167 | -89.93943 | 4 |
| 4789 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/9/2022 | 1 | 44.87245 | -89.94576 | 8 |
| 4801 | Residue Management | Cropping | 10 | ACRES | $ 300.00 | $ 300.00 | Marathon | 6/9/2022 | 1 | 44.87037 | -89.95095 | 19 |
| 4802 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/9/2022 | 1 | 44.86789 | -89.95094 | 8 |
| 4803 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/9/2022 | 1 | 44.86882 | -89.94799 | 8 |
| 4804 | Residue Management | Cropping | 9 | ACRES | $ 270.00 | $ 270.00 | Marathon | 6/9/2022 | 1 | 44.86044 | -89.96501 | 17 |
| 4805 | Residue Management | Cropping | 5 | ACRES | $ 150.00 | $ 150.00 | Marathon | 6/9/2022 | 1 | 44.87354 | -89.93914 | 10 |
| 4755 | Residue Management | Cropping | 3.5 | ACRES | $ 70.00 | $ 70.00 | Marathon | 6/9/2022 | 1 | 44.8881 | -90.04395 | 2 |
| 4760 | Residue Management | Cropping | 21 | ACRES | $ 630.00 | $ 630.00 | Marathon | 6/9/2022 | 1 | 44.8865 | -90.05184 | 38 |
| 4765 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 6/9/2022 | 1 | 44.8866 | -90.04701 | 4 |
| 4770 | Residue Management | Cropping | 8 | ACRES | $ 240.00 | $ 240.00 | Marathon | 6/9/2022 | 1 | 44.88272 | -90.04414 | 14 |
| 4775 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 6/9/2022 | 1 | 44.88422 | -90.03685 | 13 |
| 4780 | Residue Management | Cropping | 11 | ACRES | $ 330.00 | $ 330.00 | Marathon | 6/9/2022 | 1 | 44.88544 | -90.04141 | 20 |
| 4785 | Residue Management | Cropping | 8 | ACRES | $ 240.00 | $ 240.00 | Marathon | 6/9/2022 | 1 | 44.87364 | -89.94281 | 15 |
| 4790 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/9/2022 | 1 | 44.87151 | -89.94552 | 11 |
| 4758 | Residue Management | Cropping | 16 | ACRES | $ 480.00 | $ 480.00 | Marathon | 6/9/2022 | 1 | 44.88877 | -90.05345 | 29 |
| 4763 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/9/2022 | 1 | 44.88624 | -90.04738 | 7 |
| 4753 | Residue Management | Cropping | 8 | ACRES | $ 160.00 | $ 160.00 | Marathon | 6/9/2022 | 1 | 44.8899 | -90.04817 | 6 |
| 4768 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/9/2022 | 1 | 44.88332 | -90.04891 | 11 |
| 4773 | Residue Management | Cropping | 11 | ACRES | $ 330.00 | $ 330.00 | Marathon | 6/9/2022 | 1 | 44.88329 | -90.03751 | 20 |
| 4778 | Residue Management | Cropping | 3 | ACRES | $ 90.00 | $ 90.00 | Marathon | 6/9/2022 | 1 | 44.88702 | -90.04084 | 5 |
| 4783 | Residue Management | Cropping | 21 | ACRES | $ 630.00 | $ 630.00 | Marathon | 6/9/2022 | 1 | 44.87511 | -89.93865 | 40 |
| 4788 | Residue Management | Cropping | 13 | ACRES | $ 390.00 | $ 390.00 | Marathon | 6/9/2022 | 1 | 44.87436 | -89.94591 | 25 |
| 4792 | Residue Management | Cropping | 5 | ACRES | $ 150.00 | $ 150.00 | Marathon | 6/9/2022 | 1 | 44.86984 | -89.94207 | 10 |
| 4793 | Residue Management | Cropping | 8 | ACRES | $ 240.00 | $ 240.00 | Marathon | 6/9/2022 | 1 | 44.87103 | -89.94195 | 15 |
| 4794 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/9/2022 | 1 | 44.87239 | -89.94205 | 8 |
| 4797 | Residue Management | Cropping | 9 | ACRES | $ 270.00 | $ 270.00 | Marathon | 6/9/2022 | 1 | 44.87025 | -89.93813 | 17 |
| 4798 | Residue Management | Cropping | 3 | ACRES | $ 90.00 | $ 90.00 | Marathon | 6/9/2022 | 1 | 44.87239 | -89.94797 | 6 |
| 4799 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/9/2022 | 1 | 44.87114 | -89.94795 | 8 |
| 4800 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 6/9/2022 | 1 | 44.87196 | -89.95034 | 13 |
| 4748 | Residue Management | Cropping | 30 | ACRES | $ 600.00 | $ 600.00 | Marathon | 6/9/2022 | 1 | 44.88933 | -90.02812 | 21 |
| 4749 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 6/9/2022 | 1 | 44.89171 | -90.04339 | 13 |
| 4750 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 6/9/2022 | 1 | 44.89252 | -90.04107 | 7 |
| 4751 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 6/9/2022 | 1 | 44.89407 | -90.04204 | 10 |
| 4715 | Residue Management | Cropping | 68 | ACRES | $ 1,360.00 | $ 1,360.00 | Marathon | 6/9/2022 | 1 | 44.86929 | -90.04734 | 116 |
| 4716 | Residue Management | Cropping | 84 | ACRES | $ 1,680.00 | $ 1,680.00 | Marathon | 6/9/2022 | 1 | 44.87936 | -90.05251 | 143 |
| 4717 | Residue Management | Cropping | 13 | ACRES | $ 260.00 | $ 260.00 | Marathon | 6/9/2022 | 1 | 44.87498 | -90.03174 | 22 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4719 | Residue Management | Cropping | 6 | ACRES | $ 240.00 | $ 240.00 | Marathon | 6/9/2022 | 1 | 44.89861 | -90.05357 | 13 |
| 4720 | Residue Management | Cropping | 10 | ACRES | $ 400.00 | $ 400.00 | Marathon | 6/9/2022 | 1 | 44.90036 | -90.05404 | 21 |
| 4721 | Residue Management | Cropping | 3 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/9/2022 | 1 | 44.89967 | -90.05238 | 6 |
| 4722 | Residue Management | Cropping | 9 | ACRES | $ 360.00 | $ 360.00 | Marathon | 6/9/2022 | 1 | 44.90089 | -90.04951 | 19 |
| 4723 | Residue Management | Cropping | 12 | ACRES | $ 480.00 | $ 480.00 | Marathon | 6/9/2022 | 1 | 44.90024 | -90.049 | 25 |
| 4725 | Residue Management | Cropping | 13 | ACRES | $ 520.00 | $ 520.00 | Marathon | 6/9/2022 | 1 | 44.89903 | -90.04861 | 27 |
| 4718 | Residue Management | Cropping | 36 | ACRES | $ 720.00 | $ 720.00 | Marathon | 6/9/2022 | 1 | 44.86036 | -90.00699 | 61 |
| 4724 | Residue Management | Cropping | 8 | ACRES | $ 320.00 | $ 320.00 | Marathon | 6/9/2022 | 1 | 44.89976 | -90.04878 | 17 |
| 4726 | Residue Management | Cropping | 39 | ACRES | $ 1,560.00 | $ 1,560.00 | Marathon | 6/9/2022 | 1 | 44.89693 | -90.05018 | 82 |
| 4727 | Residue Management | Cropping | 25 | ACRES | $ 1,000.00 | $ 1,000.00 | Marathon | 6/9/2022 | 1 | 44.89548 | -90.05012 | 53 |
| 4728 | Residue Management | Cropping | 14 | ACRES | $ 560.00 | $ 560.00 | Marathon | 6/9/2022 | 1 | 44.89902 | -90.01948 | 29 |
| 4729 | Residue Management | Cropping | 19 | ACRES | $ 760.00 | $ 760.00 | Marathon | 6/9/2022 | 1 | 44.89893 | -90.01797 | 40 |
| 4730 | Residue Management | Cropping | 22 | ACRES | $ 880.00 | $ 880.00 | Marathon | 6/9/2022 | 1 | 44.89904 | -90.01617 | 46 |
| 4731 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 6/9/2022 | 1 | 44.87709 | -90.04027 | 13 |
| 4732 | Residue Management | Cropping | 39 | ACRES | $ 780.00 | $ 780.00 | Marathon | 6/9/2022 | 1 | 44.87144 | -90.04164 | 27 |
| 4733 | Residue Management | Cropping | 20 | ACRES | $ 400.00 | $ 400.00 | Marathon | 6/9/2022 | 1 | 44.87738 | -90.04926 | 14 |
| 4734 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/9/2022 | 1 | 44.87387 | -90.04866 | 6 |
| 4735 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 6/9/2022 | 1 | 44.87743 | -90.04798 | 10 |
| 4736 | Residue Management | Cropping | 7 | ACRES | $ 140.00 | $ 140.00 | Marathon | 6/9/2022 | 1 | 44.87963 | -90.04635 | 5 |
| 4737 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/9/2022 | 1 | 44.87709 | -90.04631 | 6 |
| 4738 | Residue Management | Cropping | 16.5 | ACRES | $ 330.00 | $ 330.00 | Marathon | 6/9/2022 | 1 | 44.87469 | -90.04624 | 12 |
| 4739 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 6/9/2022 | 1 | 44.8737 | -90.04232 | 7 |
| 4740 | Residue Management | Cropping | 11 | ACRES | $ 220.00 | $ 220.00 | Marathon | 6/9/2022 | 1 | 44.87534 | -90.04331 | 8 |
| 4741 | Residue Management | Cropping | 13 | ACRES | $ 260.00 | $ 260.00 | Marathon | 6/9/2022 | 1 | 44.87798 | -90.04377 | 9 |
| 4742 | Residue Management | Cropping | 18 | ACRES | $ 360.00 | $ 360.00 | Marathon | 6/9/2022 | 1 | 44.87071 | -90.03831 | 13 |
| 4743 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/9/2022 | 1 | 44.87232 | -90.0365 | 6 |
| 4744 | Residue Management | Cropping | 15 | ACRES | $ 300.00 | $ 300.00 | Marathon | 6/9/2022 | 1 | 44.86712 | -90.04153 | 11 |
| 4745 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 6/9/2022 | 1 | 44.86789 | -90.0429 | 10 |
| 4746 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 6/9/2022 | 1 | 44.86816 | -90.03576 | 13 |
| 4747 | Residue Management | Cropping | 23 | ACRES | $ 460.00 | $ 460.00 | Marathon | 6/9/2022 | 1 | 44.88943 | -90.03168 | 16 |
| 4752 | Residue Management | Cropping | 20 | ACRES | $ 400.00 | $ 400.00 | Marathon | 6/9/2022 | 1 | 44.89561 | -90.04259 | 14 |
| 4754 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 6/9/2022 | 1 | 44.88859 | -90.04772 | 13 |
| 4757 | Residue Management | Cropping | 11 | ACRES | $ 330.00 | $ 330.00 | Marathon | 6/9/2022 | 1 | 44.88892 | -90.05051 | 20 |
| 4759 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/9/2022 | 1 | 44.89008 | -90.05299 | 7 |
| 4762 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 6/9/2022 | 1 | 44.88642 | -90.049 | 4 |
| 4764 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 6/9/2022 | 1 | 44.88646 | -90.04719 | 4 |
| 4767 | Residue Management | Cropping | 13 | ACRES | $ 390.00 | $ 390.00 | Marathon | 6/9/2022 | 1 | 44.88361 | -90.04643 | 23 |
| 4769 | Residue Management | Cropping | 5 | ACRES | $ 150.00 | $ 150.00 | Marathon | 6/9/2022 | 1 | 44.88121 | -90.04942 | 9 |
| 4772 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 6/9/2022 | 1 | 44.88278 | -90.04076 | 13 |
| 4774 | Residue Management | Cropping | 22 | ACRES | $ 660.00 | $ 660.00 | Marathon | 6/9/2022 | 1 | 44.88224 | -90.03429 | 40 |
| 4777 | Residue Management | Cropping | 13 | ACRES | $ 390.00 | $ 390.00 | Marathon | 6/9/2022 | 1 | 44.8862 | -90.04042 | 23 |
| 4779 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/9/2022 | 1 | 44.88699 | -90.0434 | 11 |
| 8207 | Waterway Systems | Structural | 2 | ACRES | $ 3,051.00 | $ 2,136.00 | Jackson | 6/15/2022 | 10 | 44.516748 | -91.06628 | 18 |
| 8370 | Streambank/Shoreline Protection - Other (incl. associated fencing) | Structural | 80 | FEET | $ 11,615.84 | $ 2,322.92 | Wood | 6/26/2022 | 10 | 44.261094 | -89.81336 | 21.06 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6846 | Critical Area Stabilization | Structural | 2.3 | ACRES | $ 1,158.00 | $ 1,158.00 | Barron | 6/28/2022 | 5 | 45.355272 | -91.8445 | 12 |
| 6847 | Critical Area Stabilization | Structural | 1.6 | ACRES | $ 808.00 | $ 808.00 | Barron | 6/28/2022 | 5 | 45.358645 | -91.8443 | 7 |
| 4359 | Combo 22: Livestock Fencing & Riparian Buffers | Structural | 6964; 21 | FEET; ACRES | $ 12,600.00 | $ 12,600.00 | Sauk | 7/5/2022 | NA | 43.389803 | -90.04876 | 201 |
| 5029 | Waterway Systems | Structural | 2.9 | ACRES | $ 7,606.80 | $ 5,324.73 | Pierce | 7/8/2022 | 10 | 44.723194 | -92.61154 | 135 |
| 5027 | Waterway Systems | Structural | 0.5 | ACRES | $ 3,180.00 | $ 2,226.00 | Pierce | 7/12/2022 | 10 | 44.72676 | -92.43967 | 89 |
| 8199 | Grade Stabilization Structures | Structural | 1 | NO. | $ 12,781.00 | $ 8,946.00 | Jackson | 7/22/2022 | 20 | 44.147005 | -90.98792 | 118 |
| 8372 | Streambank/Shoreline Protection - Other (incl. associated fencing) | Structural | 128 | FEET | $ 24,124.16 | $ 4,825.08 | Wood | 7/26/2022 | 10 | 44.261143 | -89.81267 | 43.74 |
| 8683 | Cover Crop | Cropping | 23.1 | ACRES | $ 750.00 | $ 324.00 | Jefferson | 7/27/2022 | 1 | 42.969552 | -88.92617 | 83.4 |
| 4341 | Combo 22: Livestock Fencing & Riparian Buffers | Structural | 5,400; 23 | FEET; ACRES | $ 36,261.84 | $ 21,620.33 | Lincoln | 7/29/2022 | 20 | 45.237501 | -89.86547 | 51.3 |
| 5702 | Cover Crop | Cropping | 31.6 | ACRES | $ 1,674.80 | $ 1,674.80 | Brown | 8/10/2022 | 1 | 44.257182 | -88.06781 | 37 |
| 7233 | Cover Crop | Cropping | 19.2 | ACRES | $ 480.00 | $ 480.00 | Manitowoc | 8/10/2022 | 1 | 43.992273 | -87.70717 | 16.2 |
| 7232 | Cover Crop | Cropping | 49.7 | ACRES | $ 1,242.50 | $ 1,242.50 | Manitowoc | 8/10/2022 | 1 | 44.025305 | -87.74421 | 67.14 |
| 8052 | Residue Management | Cropping | 49.7 | ACRES | $ 919.45 | $ 919.45 | Manitowoc | 8/10/2022 | 1 | 44.025094 | -87.74404 | 92.8 |
| 8053 | Residue Management | Cropping | 19.2 | ACRES | $ 355.20 | $ 355.20 | Manitowoc | 8/10/2022 | 1 | 43.992264 | -87.70723 | 27.3 |
| 5709 | Cover Crop | Cropping | 27.2 | ACRES | $ 1,441.60 | $ 1,441.60 | Brown | 8/12/2022 | 1 | 44.349385 | -88.09411 | 26 |
| 5710 | Cover Crop | Cropping | 28.5 | ACRES | $ 1,510.50 | $ 1,510.50 | Brown | 8/12/2022 | 1 | 44.326321 | -88.12913 | 33 |
| 5703 | Cover Crop | Cropping | 3.5 | ACRES | $ 185.50 | $ 185.50 | Brown | 8/12/2022 | 1 | 44.339502 | -88.10879 | 14 |
| 5704 | Cover Crop | Cropping | 66.1 | ACRES | $ 3,503.30 | $ 3,503.30 | Brown | 8/12/2022 | 1 | 44.340638 | -88.10436 | 80 |
| 5708 | Cover Crop | Cropping | 28.6 | ACRES | $ 1,515.80 | $ 1,515.80 | Brown | 8/12/2022 | 1 | 44.333392 | -88.13877 | 32 |
| 4399 | Waterway Systems | Structural | 0.43 | ACRES | $ 9,669.84 | $ 6,768.89 | Manitowoc | 8/12/2022 | 10 | 43.998038 | -87.72987 | 6.46 |
| 7276 | Cover Crop | Cropping | 42 | ACRES | $ 1,050.00 | $ 1,050.00 | Jefferson | 8/12/2022 | 1 | 43.165876 | -88.64114 | 57.12 |
| 7277 | Cover Crop | Cropping | 21.2 | ACRES | $ 530.00 | $ 530.00 | Jefferson | 8/12/2022 | 1 | 43.155881 | -88.6408 | 50.58 |
| 7278 | Cover Crop | Cropping | 5.6 | ACRES | $ 140.00 | $ 140.00 | Jefferson | 8/12/2022 | 1 | 43.159034 | -88.63822 | 1.53 |
| 7282 | Cover Crop | Cropping | 7 | ACRES | $ 175.00 | $ 175.00 | Jefferson | 8/12/2022 | 1 | 43.148687 | -88.84336 | 4.34 |
| 7281 | Cover Crop | Cropping | 6.5 | ACRES | $ 162.50 | $ 162.50 | Jefferson | 8/12/2022 | 1 | 43.161975 | -88.84612 | 3.35 |
| 5705 | Cover Crop | Cropping | 20.2 | ACRES | $ 1,070.60 | $ 1,070.60 | Brown | 8/13/2022 | 1 | 44.32905 | -88.12806 | 79 |
| 5706 | Cover Crop | Cropping | 15 | ACRES | $ 795.00 | $ 795.00 | Brown | 8/13/2022 | 1 | 44.33098 | -88.12406 | 68 |
| 5707 | Cover Crop | Cropping | 5.3 | ACRES | $ 280.90 | $ 280.90 | Brown | 8/13/2022 | 1 | 44.328912 | -88.12412 | 5 |
| 7234 | Cover Crop | Cropping | 54.8 | ACRES | $ 1,370.00 | $ 1,370.00 | Manitowoc | 8/15/2022 | 1 | 44.035696 | -87.77183 | 27.4 |
| 8033 | Cover Crop | Cropping | 17.9 | ACRES | $ 447.50 | $ 447.50 | Manitowoc | 8/15/2022 | 1 | 44.006311 | -87.74775 | 2.4 |
| 8035 | Cover Crop | Cropping | 11.5 | ACRES | $ 287.50 | $ 287.50 | Manitowoc | 8/15/2022 | 1 | 44.012871 | -87.76468 | 9 |
| 8029 | Cover Crop | Cropping | 14.6 | ACRES | $ 365.00 | $ 365.00 | Manitowoc | 8/15/2022 | 1 | 44.014091 | -87.77085 | 2.5 |
| 8034 | Cover Crop | Cropping | 11.6 | ACRES | $ 290.00 | $ 290.00 | Manitowoc | 8/15/2022 | 1 | 44.010372 | -87.76678 | 10.3 |
| 8044 | Residue Management | Cropping | 11.5 | ACRES | $ 212.75 | $ 212.75 | Manitowoc | 8/15/2022 | 1 | 44.012835 | -87.76471 | 0.1 |
| 8054 | Residue Management | Cropping | 54.8 | ACRES | $ 1,013.80 | $ 1,013.80 | Manitowoc | 8/15/2022 | 1 | 44.034855 | -87.77336 | 0.1 |
| 8039 | Residue Management | Cropping | 14.6 | ACRES | $ 270.10 | $ 270.10 | Manitowoc | 8/15/2022 | 1 | 44.015271 | -87.7701 | 2.5 |
| 8042 | Residue Management | Cropping | 17.9 | ACRES | $ 331.15 | $ 331.15 | Manitowoc | 8/15/2022 | 1 | 44.006351 | -87.74773 | 0.1 |
| 8043 | Residue Management | Cropping | 11.6 | ACRES | $ 214.60 | $ 214.60 | Manitowoc | 8/15/2022 | 1 | 44.010516 | -87.76681 | 0.1 |
| 7279 | Cover Crop | Cropping | 72.5 | ACRES | $ 1,812.50 | $ 1,812.50 | Jefferson | 8/16/2022 | 1 | 43.111184 | -88.83718 | 146.05 |
| 7275 | Cover Crop | Cropping | 5.4 | ACRES | $ 135.00 | $ 135.00 | Jefferson | 8/19/2022 | 1 | 43.164985 | -88.64478 | 5.7599 |
| 8710 | Cover Crop | Cropping | 10.5 | ACRES | $ 262.50 | $ 262.50 | Jefferson | 8/20/2022 | 1 | 42.846838 | -88.85405 | 15.42 |
| 8203 | Combo 34: Streambank Protection | Structural | 100 | FEET | $ 6,268.00 | $ 4,388.00 | Jackson | 8/23/2022 | 30 | 44.182837 | -90.94269 | 50 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8202 | Combo 34: Streambank Protection | Structural | 100 | FEET | $ 12,020.00 | $ 8,414.00 | Jackson | 8/23/2022 | 30 | 44.183529 | -90.94283 | 50 |
| 8687 | Cover Crop | Cropping | 20.6 | ACRES | $ 618.00 | $ 618.00 | Jefferson | 8/25/2022 | 1 | 42.953529 | -88.57204 | 61.63 |
| 8691 | Cover Crop | Cropping | 6.2 | ACRES | $ 155.00 | $ 155.00 | Jefferson | 8/25/2022 | 1 | 42.923597 | -88.65582 | 4.88 |
| 8690 | Cover Crop | Cropping | 4.6 | ACRES | $ 115.00 | $ 115.00 | Jefferson | 8/25/2022 | 1 | 42.925495 | -88.65671 | 2.16 |
| 8689 | Cover Crop | Cropping | 8.6 | ACRES | $ 228.50 | $ 147.50 | Jefferson | 8/25/2022 | 1 | 42.922758 | -88.64865 | 4.05 |
| 8688 | Cover Crop | Cropping | 12.3 | ACRES | $ 370.00 | $ 132.00 | Jefferson | 8/25/2022 | 1 | 42.94013 | -88.57492 | 41.49 |
| 8771 | Critical Area Stabilization | Structural | 13.6 | ACRES | $ 1,700.00 | $ 1,700.00 | Jefferson | 9/1/2022 | 5 | 42.861829 | -88.87176 | 40.102 |
| 8770 | Critical Area Stabilization | Structural | 20.3 | ACRES | $ 2,357.50 | $ 2,357.50 | Jefferson | 9/1/2022 | 5 | 42.957721 | -88.92598 | 43.8 |
| 5697 | Cover Crop | Cropping | 5.2 | ACRES | $ 171.60 | $ 171.60 | Brown | 9/5/2022 | 1 | 44.240434 | -88.09517 | 9 |
| 6233 | Water & Sediment Control Basins | Structural | 1 | NO. | $ 14,759.78 | $ 10,331.85 | Walworth | 9/14/2022 | 10 | 42.54897 | -88.49867 | 49 |
| 5410 | Streambank/Shoreline Protection - Rip-rapping | Structural | 820 | FEET | $ 40,053.00 | $ 6,666.00 | La Crosse | 9/15/2022 | 10 | 44.032216 | -91.16296 | 67 |
| 5711 | Cover Crop | Cropping | 51.3 | ACRES | $ 1,693.89 | $ 1,693.89 | Brown | 9/20/2022 | 1 | 44.260707 | -88.09787 | 83 |
| 5712 | Cover Crop | Cropping | 66.7 | ACRES | $ 2,201.10 | $ 2,088.03 | Brown | 9/20/2022 | 1 | 44.260867 | -88.09336 | 51 |
| 7217 | Critical Area Stabilization | Structural | 0.9 | ACRES | $ 9,102.97 | $ 6,372.08 | Dodge | 9/20/2022 | 10 | 43.366769 | -88.52969 | 27.7 |
| 8201 | Critical Area Stabilization | Structural | 3 | ACRES | $ 21,052.00 | $ 14,736.00 | Jackson | 9/21/2022 | 10 | 44.233843 | -90.94132 | 432 |
| 5030 | Critical Area Stabilization | Structural | 1 | ACRES | $ 6,942.50 | $ 4,859.75 | Pierce | 9/26/2022 | 10 | 44.781103 | -92.6095 | 53.5 |
| 8722 | Cover Crop | Cropping | 50.7 | ACRES | $ 1,267.50 | $ 1,267.50 | Jefferson | 9/27/2022 | 1 | 42.923595 | -88.91107 | 115.44 |
| 5694 | Cover Crop | Cropping | 86 | ACRES | $ 2,838.00 | $ 2,838.00 | Brown | 9/28/2022 | 1 | 44.235237 | -88.04908 | 97 |
| 5701 | Cover Crop | Cropping | 9.5 | ACRES | $ 313.50 | $ 313.50 | Brown | 9/28/2022 | 1 | 44.240445 | -88.09265 | 12 |
| 5695 | Cover Crop | Cropping | 153.5 | ACRES | $ 5,065.50 | $ 5,065.50 | Brown | 9/29/2022 | 1 | 44.244976 | -88.05681 | 320 |
| 5696 | Cover Crop | Cropping | 71.9 | ACRES | $ 2,372.70 | $ 2,372.70 | Brown | 9/29/2022 | 1 | 44.250662 | -88.05536 | 177 |
| 7270 | Cover Crop | Cropping | 16.7 | ACRES | $ 417.50 | $ 417.50 | Jefferson | 9/30/2022 | 1 | 43.1387 | -88.96395 | 13.77 |
| 7273 | Cover Crop | Cropping | 19.6 | ACRES | $ 490.00 | $ 490.00 | Jefferson | 9/30/2022 | 1 | 43.133968 | -88.99467 | 71.5 |
| 7269 | Cover Crop | Cropping | 31.5 | ACRES | $ 787.50 | $ 787.50 | Jefferson | 9/30/2022 | 1 | 43.139203 | -88.96423 | 107.96 |
| 8055 | Cover Crop | Cropping | 80 | ACRES | $ 2,000.00 | $ 2,000.00 | Manitowoc | 10/1/2022 | 1 | 44.034903 | -87.69477 | 107.1 |
| 8057 | Cover Crop | Cropping | 20.5 | ACRES | $ 512.50 | $ 512.50 | Manitowoc | 10/1/2022 | 1 | 44.029204 | -87.69813 | 12.8 |
| 8058 | Cover Crop | Cropping | 52.5 | ACRES | $ 1,312.50 | $ 1,312.50 | Manitowoc | 10/1/2022 | 1 | 44.042493 | -87.67813 | 34.3 |
| 8056 | Cover Crop | Cropping | 15 | ACRES | $ 375.00 | $ 375.00 | Manitowoc | 10/1/2022 | 1 | 44.031582 | -87.69295 | 16.4 |
| 8059 | Residue Management | Cropping | 52.5 | ACRES | $ 971.25 | $ 971.25 | Manitowoc | 10/1/2022 | 1 | 44.042335 | -87.6781 | 5.6 |
| 8060 | Residue Management | Cropping | 80 | ACRES | $ 1,480.00 | $ 1,480.00 | Manitowoc | 10/1/2022 | 1 | 44.034696 | -87.69486 | 7 |
| 8061 | Residue Management | Cropping | 15 | ACRES | $ 277.50 | $ 277.50 | Manitowoc | 10/1/2022 | 1 | 44.03158 | -87.69312 | 1 |
| 8062 | Residue Management | Cropping | 20.5 | ACRES | $ 379.25 | $ 379.25 | Manitowoc | 10/1/2022 | 1 | 44.029435 | -87.69841 | 3.7 |
| 7280 | Waterway Systems | Structural | 1.1 | ACRES | $ 23,405.00 | $ 7,735.19 | Calumet | 10/5/2022 | 10 | 44.0656 | -88.29313 | 120.3 |
| 8032 | Cover Crop | Cropping | 6.3 | ACRES | $ 157.50 | $ 157.50 | Manitowoc | 10/10/2022 | 1 | 44.021602 | -87.77549 | 12.6 |
| 8040 | Residue Management | Cropping | 6.3 | ACRES | $ 116.55 | $ 116.55 | Manitowoc | 10/10/2022 | 1 | 44.021619 | -87.77558 | 7 |
| 7216 | Waterway Systems | Structural | 1.25 | ACRES | $ 9,510.20 | $ 6,657.14 | Dodge | 10/10/2022 | 10 | 43.359375 | -88.57991 | 25.3 |
| 7224 | Cover Crop | Cropping | 20 | ACRES | $ 1,388.01 | $ 1,388.01 | Chippewa | 10/12/2022 | 1 | 44.972689 | -91.04379 | 8 |
| 3508 | Cover Crop | Cropping | 70 | ACRES | $ 2,100.00 | $ 2,100.00 | Walworth | 10/12/2022 | 1 | 42.714142 | -88.57643 | 44 |
| 7242 | Cover Crop | Cropping | 6 | ACRES | $ 150.00 | $ 150.00 | Jefferson | 10/13/2022 | 1 | 43.137091 | -88.74355 | 1.47 |
| 7243 | Cover Crop | Cropping | 9.7 | ACRES | $ 242.50 | $ 242.50 | Jefferson | 10/13/2022 | 1 | 43.140446 | -88.73334 | 3.15 |
| 7246 | Cover Crop | Cropping | 35.8 | ACRES | $ 895.00 | $ 895.00 | Jefferson | 10/13/2022 | 1 | 43.135579 | -88.72888 | 4.06 |
| 7247 | Cover Crop | Cropping | 48.5 | ACRES | $ 1,212.50 | $ 1,212.50 | Jefferson | 10/13/2022 | 1 | 43.154346 | -88.69323 | 0 |
| 7268 | Cover Crop | Cropping | 4.2 | ACRES | $ 105.00 | $ 105.00 | Jefferson | 10/14/2022 | 1 | 43.189303 | -88.78019 | 25.73 |
| 7267 | Cover Crop | Cropping | 39 | ACRES | $ 975.00 | $ 975.00 | Jefferson | 10/14/2022 | 1 | 43.191042 | -88.77701 | 239.54 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7266 | Cover Crop | Cropping | 24.9 | ACRES | $ 622.50 | $ 622.50 | Jefferson | 10/14/2022 | 1 | 43.191765 | -88.77774 | 122.56 |
| 7265 | Cover Crop | Cropping | 31.9 | ACRES | $ 797.50 | $ 797.50 | Jefferson | 10/14/2022 | 1 | 43.193752 | -88.77777 | 276.29 |
| 7227 | Cover Crop | Cropping | 27 | ACRES | $ 1,921.67 | $ 1,921.67 | Chippewa | 10/15/2022 | 1 | 44.972175 | -91.04365 | 10.8 |
| 7209 | Cover Crop | Cropping | 50 | ACRES | $ 3,496.37 | $ 3,496.37 | Chippewa | 10/15/2022 | 1 | 45.070819 | -91.46359 | 20 |
| 7218 | Cover Crop | Cropping | 50 | ACRES | $ 3,503.63 | $ 3,503.63 | Chippewa | 10/15/2022 | 1 | 45.066605 | -91.40292 | 20 |
| 7220 | Cover Crop | Cropping | 1 | ACRES | $ 23.02 | $ 23.02 | Chippewa | 10/15/2022 | 1 | 45.011125 | -91.12543 | 0.4 |
| 7219 | Cover Crop | Cropping | 87 | ACRES | $ 6,094.58 | $ 6,094.58 | Chippewa | 10/15/2022 | 1 | 44.897328 | -91.43142 | 35 |
| 7221 | Cover Crop | Cropping | 27 | ACRES | $ 1,938.60 | $ 1,938.60 | Chippewa | 10/15/2022 | 1 | 45.004867 | -91.12499 | 10.8 |
| 8030 | Cover Crop | Cropping | 19.6 | ACRES | $ 490.00 | $ 490.00 | Manitowoc | 10/15/2022 | 1 | 44.010049 | -87.74777 | 0.3 |
| 8041 | Residue Management | Cropping | 19.6 | ACRES | $ 362.60 | $ 362.60 | Manitowoc | 10/15/2022 | 1 | 44.010072 | -87.74777 | 0.1 |
| 7222 | Cover Crop | Cropping | 4.8 | ACRES | $ 340.14 | $ 340.14 | Chippewa | 10/15/2022 | 1 | 45.147952 | -91.62952 | 1.92 |
| 7223 | Cover Crop | Cropping | 28 | ACRES | $ 2,000.43 | $ 2,000.43 | Chippewa | 10/15/2022 | 1 | 45.147609 | -91.62978 | 11.2 |
| 5026 | Grade Stabilization Structures | Structural | 1 | NO. | $ 18,500.00 | $ 12,950.00 | Pierce | 10/18/2022 | 15 | 44.67449 | -92.61149 | 261 |
| 8717 | Cover Crop | Cropping | 5.7 | ACRES | $ 142.50 | $ 142.50 | Jefferson | 10/20/2022 | 1 | 43.000877 | -88.65003 | 0 |
| 8718 | Cover Crop | Cropping | 4.7 | ACRES | $ 117.50 | $ 117.50 | Jefferson | 10/20/2022 | 1 | 43.00224 | -88.63766 | 0 |
| 8713 | Cover Crop | Cropping | 14.4 | ACRES | $ 360.00 | $ 360.00 | Jefferson | 10/20/2022 | 1 | 43.008046 | -88.64228 | 60.51 |
| 8063 | Cover Crop | Cropping | 29.3 | ACRES | $ 732.50 | $ 732.50 | Manitowoc | 10/22/2022 | 1 | 44.004168 | -87.69837 | 3 |
| 8065 | Cover Crop | Cropping | 42.7 | ACRES | $ 1,067.50 | $ 1,067.50 | Manitowoc | 10/22/2022 | 1 | 44.026337 | -87.68283 | 5 |
| 8714 | Cover Crop | Cropping | 9.5 | ACRES | $ 237.50 | $ 237.50 | Jefferson | 10/22/2022 | 1 | 43.000556 | -88.64839 | 3.84 |
| 8715 | Cover Crop | Cropping | 4 | ACRES | $ 175.00 | $ 175.00 | Jefferson | 10/22/2022 | 1 | 43.002357 | -88.64753 | 0.08 |
| 5016 | Combo 22: Livestock Fencing & Riparian Buffers | Structural | 12,242; 107 | FEET; ACRES | $ 57,240.00 | $ 57,240.00 | Sauk | 10/25/2022 | 10 | 43.471855 | -90.01825 | 1006 |
| 8692 | Cover Crop | Cropping | 102.2 | ACRES | $ 2,533.00 | $ 2,500.00 | Jefferson | 10/25/2022 | 1 | 42.899973 | -88.59926 | 7.73 |
| 5028 | Waterway Systems | Structural | 1 | ACRES | $ 4,300.50 | $ 3,010.35 | Pierce | 10/26/2022 | 10 | 44.754367 | -92.67558 | 65 |
| 7239 | Cover Crop | Cropping | 30.8 | ACRES | $ 770.00 | $ 770.00 | Jefferson | 10/26/2022 | 1 | 43.141099 | -88.86015 | 4.89 |
| 7240 | Cover Crop | Cropping | 42.5 | ACRES | $ 1,062.50 | $ 1,062.50 | Jefferson | 10/26/2022 | 1 | 43.134018 | -88.85951 | 7.3 |
| 7230 | Cover Crop | Cropping | 11.67 | ACRES | $ 291.93 | $ 291.93 | Manitowoc | 10/28/2022 | 1 | 44.035454 | -87.74199 | 32.2 |
| 7235 | Cover Crop | Cropping | 10.2 | ACRES | $ 255.00 | $ 255.00 | Manitowoc | 10/28/2022 | 1 | 44.034927 | -87.73797 | 17.4 |
| 7236 | Cover Crop | Cropping | 26.6 | ACRES | $ 740.00 | $ 740.00 | Manitowoc | 10/28/2022 | 1 | 44.031862 | -87.74917 | 22.79 |
| 8036 | Cover Crop | Cropping | 8.6 | ACRES | $ 215.62 | $ 215.62 | Manitowoc | 10/28/2022 | 1 | 44.035818 | -87.74074 | 23.7 |
| 8045 | Residue Management | Cropping | 6.1 | ACRES | $ 152.45 | $ 152.45 | Manitowoc | 10/28/2022 | 1 | 44.035224 | -87.74066 | 16.8 |
| 6236 | Combo 06: Cover Crop & Residue Management | Cropping | 125 | ACRES | $ 4,500.00 | $ 1,500.00 | Walworth | 10/28/2022 | 1 | 42.55438 | -88.49232 | 237 |
| 5031 | Waterway Systems | Structural | 1.5 | ACRES | $ 1,660.00 | $ 1,162.00 | Pierce | 10/29/2022 | 10 | 44.765066 | -92.3974 | 13.5 |
| 8727 | Cover Crop | Cropping | 87.3 | ACRES | $ 1,682.50 | $ 932.50 | Jefferson | 10/30/2022 | 1 | 42.907227 | -88.55886 | 13.25 |
| 8731 | Cover Crop | Cropping | 80 | ACRES | $ 1,641.00 | $ 1,102.50 | Jefferson | 10/30/2022 | 1 | 42.873903 | -88.62961 | 9.53 |
| 8732 | Cover Crop | Cropping | 55.9 | ACRES | $ 1,397.50 | $ 1,397.50 | Jefferson | 10/30/2022 | 1 | 42.932455 | -88.56031 | 9.31 |
| 7271 | Cover Crop | Cropping | 37.9 | ACRES | $ 947.50 | $ 947.50 | Jefferson | 10/30/2022 | 1 | 43.140064 | -88.96544 | 0 |
| 8728 | Cover Crop | Cropping | 28.5 | ACRES | $ 537.50 | $ 537.50 | Jefferson | 10/31/2022 | 1 | 42.900815 | -88.56515 | 12.17 |
| 5004 | Combo 22: Livestock Fencing & Riparian Buffers | Structural | 14,939; 106 | FEET; ACRES | $ 59,520.00 | $ 59,520.00 | Sauk | 11/1/2022 | 10 | 43.565552 | -90.18723 | 996 |
| 8706 | Cover Crop | Cropping | 12.7 | ACRES | $ 317.50 | $ 317.50 | Jefferson | 11/1/2022 | 1 | 42.918218 | -88.56105 | 11 |
| 8707 | Cover Crop | Cropping | 12.8 | ACRES | $ 320.00 | $ 320.00 | Jefferson | 11/1/2022 | 1 | 42.919366 | -88.55208 | 19.04 |
| 8723 | Cover Crop | Cropping | 61.7 | ACRES | $ 1,542.50 | $ 1,542.50 | Jefferson | 11/1/2022 | 1 | 42.889477 | -88.56519 | 19.36 |
| 8709 | Cover Crop | Cropping | 29.5 | ACRES | $ 737.50 | $ 737.50 | Jefferson | 11/1/2022 | 1 | 42.918891 | -88.57541 | 17.87 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8724 | Cover Crop | Cropping | 79.3 | ACRES | $ 1,572.50 | $ 957.50 | Jefferson | 11/1/2022 | 1 | 42.892113 | -88.56946 | 12.43 |
| 8699 | Cover Crop | Cropping | 8.9 | ACRES | $ 222.50 | $ 222.50 | Jefferson | 11/1/2022 | 1 | 42.916509 | -88.55001 | 1.24 |
| 8700 | Cover Crop | Cropping | 36.5 | ACRES | $ 912.50 | $ 912.50 | Jefferson | 11/1/2022 | 1 | 42.91542 | -88.54869 | 5.07 |
| 8701 | Cover Crop | Cropping | 23 | ACRES | $ 575.00 | $ 575.00 | Jefferson | 11/1/2022 | 1 | 42.919977 | -88.54951 | 3.49 |
| 8702 | Cover Crop | Cropping | 16.3 | ACRES | $ 407.50 | $ 407.50 | Jefferson | 11/1/2022 | 1 | 42.919272 | -88.54853 | 5.13 |
| 8703 | Cover Crop | Cropping | 9.4 | ACRES | $ 235.00 | $ 235.00 | Jefferson | 11/1/2022 | 1 | 42.938097 | -88.5573 | 14.75 |
| 8704 | Cover Crop | Cropping | 3.8 | ACRES | $ 95.00 | $ 95.00 | Jefferson | 11/1/2022 | 1 | 42.934814 | -88.56025 | 7.11 |
| 8705 | Cover Crop | Cropping | 14.6 | ACRES | $ 365.00 | $ 365.00 | Jefferson | 11/1/2022 | 1 | 42.939351 | -88.56097 | 12.09 |
| 8738 | Harvestable Buffers | Structural | 1.4 | ACRES | $ 4,396.00 | $ 4,396.00 | Washington | 11/1/2022 | 10 | 43.269117 | -88.17544 | 36 |
| 7264 | Cover Crop | Cropping | 2.9 | ACRES | $ 72.50 | $ 72.50 | Jefferson | 11/3/2022 | 1 | 43.043187 | -88.73113 | 7.05 |
| 7263 | Cover Crop | Cropping | 4.6 | ACRES | $ 115.00 | $ 115.00 | Jefferson | 11/3/2022 | 1 | 43.041717 | -88.7322 | 22.83 |
| 7262 | Cover Crop | Cropping | 10.8 | ACRES | $ 270.00 | $ 270.00 | Jefferson | 11/3/2022 | 1 | 43.041184 | -88.73093 | 26.24 |
| 7261 | Cover Crop | Cropping | 17.5 | ACRES | $ 437.50 | $ 437.50 | Jefferson | 11/3/2022 | 1 | 43.043191 | -88.73157 | 26.52 |
| 5025 | Grade Stabilization Structures | Structural | 1 | NO. | $ 12,145.00 | $ 8,501.50 | Pierce | 11/4/2022 | 15 | 44.678092 | -92.66967 | 979 |
| 7272 | Cover Crop | Cropping | 13.9 | ACRES | $ 347.50 | $ 347.50 | Jefferson | 11/4/2022 | 1 | 43.139305 | -88.96447 | 0 |
| 7259 | Cover Crop | Cropping | 11.7 | ACRES | $ 292.50 | $ 292.50 | Jefferson | 11/4/2022 | 1 | 43.110992 | -88.73812 | 15.64 |
| 7260 | Cover Crop | Cropping | 3.7 | ACRES | $ 92.50 | $ 92.50 | Jefferson | 11/4/2022 | 1 | 43.111144 | -88.73845 | 10 |
| 7258 | Cover Crop | Cropping | 14.8 | ACRES | $ 370.00 | $ 370.00 | Jefferson | 11/4/2022 | 1 | 43.11166 | -88.73865 | 17.27 |
| 7257 | Cover Crop | Cropping | 11 | ACRES | $ 275.00 | $ 275.00 | Jefferson | 11/4/2022 | 1 | 43.114598 | -88.73881 | 29.74 |
| 7254 | Cover Crop | Cropping | 12 | ACRES | $ 300.00 | $ 300.00 | Jefferson | 11/4/2022 | 1 | 43.113561 | -88.7398 | 32.45 |
| 7252 | Cover Crop | Cropping | 11 | ACRES | $ 275.00 | $ 275.00 | Jefferson | 11/4/2022 | 1 | 43.114913 | -88.73675 | 34.99 |
| 7251 | Cover Crop | Cropping | 20.4 | ACRES | $ 510.00 | $ 510.00 | Jefferson | 11/4/2022 | 1 | 43.118526 | -88.707 | 132.35 |
| 7250 | Cover Crop | Cropping | 15.4 | ACRES | $ 385.00 | $ 385.00 | Jefferson | 11/4/2022 | 1 | 43.120806 | -88.70664 | 16.68 |
| 8725 | Cover Crop | Cropping | 69.4 | ACRES | $ 1,735.00 | $ 1,735.00 | Jefferson | 11/5/2022 | 1 | 42.891221 | -88.56455 | 11.56 |
| 8726 | Cover Crop | Cropping | 59.5 | ACRES | $ 845.00 | $ 95.00 | Jefferson | 11/5/2022 | 1 | 42.890839 | -88.56415 | 7.95 |
| 7249 | Cover Crop | Cropping | 22.2 | ACRES | $ 555.00 | $ 555.00 | Jefferson | 11/5/2022 | 1 | 43.097582 | -88.80268 | 88.83 |
| 8720 | Cover Crop | Cropping | 6.4 | ACRES | $ 160.00 | $ 160.00 | Jefferson | 11/10/2022 | 1 | 42.926993 | -88.58207 | 8.23 |
| 8721 | Cover Crop | Cropping | 10.3 | ACRES | $ 257.50 | $ 257.50 | Jefferson | 11/10/2022 | 1 | 42.927707 | -88.56687 | 2.5 |
| 6824 | Cover Crop | Cropping | 102 | ACRES | $ 10,200.00 | $ 7,140.00 | Outagamie | 11/14/2022 | 1 | 44.33177 | -88.39002 | 44.7 |
| 6823 | Cover Crop | Cropping | 102 | ACRES | $ 10,200.00 | $ 7,140.00 | Outagamie | 11/14/2022 | 1 | 44.33177 | -88.39002 | 44.7 |
| 6828 | Cover Crop | Cropping | 102 | ACRES | $ 10,200.00 | $ 7,140.00 | Outagamie | 11/14/2022 | 1 | 44.33177 | -88.39002 | 44.7 |
| 7274 | Cover Crop | Cropping | 31.7 | ACRES | $ 792.50 | $ 792.50 | Jefferson | 11/15/2022 | 1 | 43.136161 | -88.98825 | 62.9 |
| 7283 | Cover Crop | Cropping | 29.6 | ACRES | $ 740.00 | $ 740.00 | Jefferson | 11/23/2022 | 1 | 43.08199 | -88.80855 | 18.47 |
| 7287 | Cover Crop | Cropping | 5.1 | ACRES | $ 127.50 | $ 127.50 | Jefferson | 11/23/2022 | 1 | 43.082346 | -88.80702 | 3.16 |
| 8711 | Cover Crop | Cropping | 32.6 | ACRES | $ 815.00 | $ 815.00 | Jefferson | 11/25/2022 | 1 | 42.951841 | -88.71625 | 56.85 |
| 8712 | Cover Crop | Cropping | 4.5 | ACRES | $ 112.50 | $ 112.50 | Jefferson | 11/25/2022 | 1 | 42.941348 | -88.7027 | 4.28 |
| 8548 | Residue Management | Cropping | 17.1 | ACRES | $ 451.93 | $ 316.35 | Wood | 12/8/2022 | 0 | 44.597682 | -90.33513 | 11.2 |
| 8546 | Residue Management | Cropping | 11.7 | ACRES | $ 309.21 | $ 216.45 | Wood | 12/8/2022 | 0 | 44.579794 | -90.35756 | 46.8 |
| 8544 | Residue Management | Cropping | 19.9 | ACRES | $ 525.93 | $ 368.15 | Wood | 12/8/2022 | 0 | 44.582696 | -90.34876 | 79.6 |
| 8549 | Residue Management | Cropping | 26.8 | ACRES | $ 708.29 | $ 495.80 | Wood | 12/8/2022 | 0 | 44.593483 | -90.30137 | 234.9 |
| 8547 | Residue Management | Cropping | 81.4 | ACRES | $ 2,151.29 | $ 1,505.90 | Wood | 12/8/2022 | 0 | 44.593835 | -90.30991 | 163 |
| 8545 | Residue Management | Cropping | 18.4 | ACRES | $ 486.29 | $ 340.40 | Wood | 12/8/2022 | 0 | 44.578191 | -90.34793 | 55.2 |
| 8543 | Residue Management | Cropping | 24 | ACRES | $ 634.29 | $ 444.00 | Wood | 12/8/2022 | 0 | 44.579963 | -90.35248 | 72 |
| 8550 | Residue Management | Cropping | 35.1 | ACRES | $ 927.64 | $ 649.35 | Wood | 12/8/2022 | 0 | 44.597192 | -90.30122 | 67.6 |
| 6206 | Manure Storage System Closure | Structural | 1 | NO. | $ 65,400.00 | $ 2,553.69 | St. Croix | 12/14/2022 | NA | 45.108719 | -92.16558 | 8308 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7770 | Manure Storage Systems | Structural | 1 | NO. | $ 380,622.00 | $ 15,691.12 | Shawano | 12/15/2022 | 25 | 44.683022 | -88.7487 | 264 |
| 7238 | Wetland Development or Restoration | Structural | 2.6 | ACRES | $ 34,260.00 | $ 14,474.20 | Winnebago | 12/16/2022 | 10 | 43.942312 | -88.4831 | 119.4 |
| 8009 | Diversions | Structural | 400 | FEET | $ 2,013.25 | $ 1,409.27 | Walworth | 4/19/2023 | 10 | 42.637591 | -88.50181 | 45 |
| 8012 | Residue Management | Cropping | 670 | ACRES | $ 15,000.00 | $ 15,000.00 | Walworth | 5/17/2023 | 1 | 42.635395 | -88.51415 | 579 |
| 8016 | Water & Sediment Control Basins | Structural | 2 | NO. | $ 10,000.00 | $ 7,000.00 | Walworth | 5/18/2023 | 10 | 42.621424 | -88.53595 | 94 |
| 8010 | Waterway Systems | Structural | 2 | ACRES | $ 10,000.00 | $ 2,340.00 | Walworth | 5/18/2023 | 10 | 42.621898 | -88.53396 | 100 |
| 8119 | Residue Management | Cropping | 24.2 | ACRES | $ 847.00 | $ 592.90 | Outagamie | 5/23/2023 | 1 | 44.25978 | -88.21053 | 13.9 |
| 8118 | Residue Management | Cropping | 11.6 | ACRES | $ 406.00 | $ 284.20 | Outagamie | 5/23/2023 | 1 | 44.25885 | -88.22146 | 9.6 |
| 8121 | Residue Management | Cropping | 68.9 | ACRES | $ 2,411.50 | $ 1,688.05 | Outagamie | 5/23/2023 | 1 | 44.26037 | -88.20448 | 57 |
| 8120 | Residue Management | Cropping | 12.2 | ACRES | $ 427.00 | $ 298.90 | Outagamie | 5/23/2023 | 1 | 44.25797 | -88.20877 | 7 |
| 8122 | Residue Management | Cropping | 54.7 | ACRES | $ 1,914.50 | $ 1,340.15 | Outagamie | 5/23/2023 | 1 | 44.26408 | -88.19946 | 44.3 |
| 8638 | Residue Management | Cropping | 10 | ACRES | $ 245.00 | $ 245.00 | Brown | 5/29/2023 | NA | 44.298481 | -88.0627 | 48.37 |
| 8637 | Residue Management | Cropping | 27 | ACRES | $ 662.00 | $ 662.00 | Brown | 5/29/2023 | NA | 44.302072 | -88.0595 | 122.18 |
| 7754 | Residue Management | Cropping | 50 | ACRES | $ 4,523.33 | $ 4,523.33 | Sauk | 5/31/2023 | 3 | 43.473481 | -89.8723 | 435 |
| 8640 | Residue Management | Cropping | 17 | ACRES | $ 417.00 | $ 417.00 | Brown | 5/31/2023 | NA | 44.242565 | -88.06926 | 41.36 |
| 8647 | Residue Management | Cropping | 57.1 | ACRES | $ 1,399.00 | $ 1,399.00 | Brown | 5/31/2023 | NA | 44.260532 | -88.1033 | 61.58 |
| 8644 | Residue Management | Cropping | 66.7 | ACRES | $ 1,634.00 | $ 1,634.00 | Brown | 5/31/2023 | NA | 44.261014 | -88.09271 | 120.28 |
| 8646 | Residue Management | Cropping | 29.4 | ACRES | $ 720.00 | $ 720.00 | Brown | 5/31/2023 | NA | 44.256612 | -88.0965 | 53.65 |
| 8649 | Residue Management | Cropping | 109.5 | ACRES | $ 2,683.00 | $ 2,683.00 | Brown | 5/31/2023 | NA | 44.252554 | -88.06756 | 696.93 |
| 8641 | Residue Management | Cropping | 28.4 | ACRES | $ 696.00 | $ 696.00 | Brown | 5/31/2023 | NA | 44.243917 | -88.07892 | 77.76 |
| 8619 | Residue Management | Cropping | 63.6 | ACRES | $ 1,558.00 | $ 1,558.00 | Brown | 5/31/2023 | NA | 44.244368 | -88.2183 | 217.77 |
| 8636 | Residue Management | Cropping | 32.3 | ACRES | $ 662.00 | $ 662.00 | Brown | 5/31/2023 | NA | 44.271798 | -88.06982 | 149.35 |
| 8645 | Residue Management | Cropping | 51.3 | ACRES | $ 1,257.00 | $ 1,257.00 | Brown | 5/31/2023 | NA | 44.260346 | -88.09792 | 100.74 |
| 8642 | Residue Management | Cropping | 25.1 | ACRES | $ 615.00 | $ 615.00 | Brown | 5/31/2023 | NA | 44.243383 | -88.08989 | 66.01 |
| 8620 | Residue Management | Cropping | 37.2 | ACRES | $ 911.00 | $ 911.00 | Brown | 5/31/2023 | NA | 44.241585 | -88.21954 | 79.53 |
| 8648 | Residue Management | Cropping | 62.9 | ACRES | $ 1,541.00 | $ 1,541.00 | Brown | 5/31/2023 | NA | 44.271928 | -88.02535 | 135.12 |
| 8643 | Residue Management | Cropping | 30.2 | ACRES | $ 740.00 | $ 740.00 | Brown | 5/31/2023 | NA | 44.26801 | -88.0993 | 17.78 |
| 8621 | Residue Management | Cropping | 7.6 | ACRES | $ 186.00 | $ 186.00 | Brown | 5/31/2023 | NA | 44.241919 | -88.22369 | 15.71 |
| 8633 | Residue Management | Cropping | 40.5 | ACRES | $ 992.00 | $ 992.00 | Brown | 6/5/2023 | NA | 44.329258 | -88.12794 | 84.94 |
| 8634 | Residue Management | Cropping | 29.5 | ACRES | $ 723.00 | $ 723.00 | Brown | 6/5/2023 | NA | 44.327034 | -88.1293 | 3.43 |
| 8623 | Residue Management | Cropping | 25 | ACRES | $ 613.00 | $ 613.00 | Brown | 6/5/2023 | NA | 44.260799 | -88.19012 | 63.89 |
| 8635 | Residue Management | Cropping | 28.6 | ACRES | $ 701.00 | $ 701.00 | Brown | 6/5/2023 | NA | 44.333712 | -88.13901 | 12.3 |
| 8630 | Residue Management | Cropping | 66.1 | ACRES | $ 1,619.00 | $ 1,619.00 | Brown | 6/5/2023 | NA | 44.340833 | -88.10418 | 44.6 |
| 8631 | Residue Management | Cropping | 3.5 | ACRES | $ 86.00 | $ 86.00 | Brown | 6/5/2023 | NA | 44.339724 | -88.10891 | 3.58 |
| 8742 | Grade Stabilization Structures | Structural | 1 | NO. | $ 31,540.00 | $ 22,078.00 | Pierce | 6/6/2023 | 15 | 44.732217 | -92.71722 | |
| 7985 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 6/7/2023 | 1 | 44.87624 | -89.94595 | 4.2 |
| 7984 | Residue Management | Cropping | 5 | ACRES | $ 150.00 | $ 150.00 | Marathon | 6/7/2023 | 1 | 44.87626 | -89.94251 | 10.5 |
| 7987 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/7/2023 | 1 | 44.87245 | -89.94576 | 8.4 |
| 7988 | Residue Management | Cropping | 6 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/7/2023 | 1 | 44.87151 | -89.94552 | 12.6 |
| 7989 | Residue Management | Cropping | 10 | ACRES | $ 300.00 | $ 300.00 | Marathon | 6/7/2023 | 1 | 44.87012 | -89.94548 | 21 |
| 7990 | Residue Management | Cropping | 5 | ACRES | $ 150.00 | $ 150.00 | Marathon | 6/7/2023 | 1 | 44.86984 | -89.94207 | 10.5 |
| 7991 | Residue Management | Cropping | 8 | ACRES | $ 240.00 | $ 240.00 | Marathon | 6/7/2023 | 1 | 44.87103 | -89.94195 | 16.8 |
| 7992 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/7/2023 | 1 | 44.87239 | -89.94205 | 8.4 |
| 7993 | Residue Management | Cropping | 3 | ACRES | $ 90.00 | $ 90.00 | Marathon | 6/7/2023 | 1 | 44.87251 | -89.93916 | 6.3 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7994 | Residue Management | Cropping | 2 | ACRES | $ 60.00 | $ 60.00 | Marathon | 6/7/2023 | 1 | 44.87167 | -89.93943 | 4.2 |
| 7995 | Residue Management | Cropping | 9 | ACRES | $ 270.00 | $ 270.00 | Marathon | 6/7/2023 | 1 | 44.87025 | -89.93813 | 18.9 |
| 7996 | Residue Management | Cropping | 3 | ACRES | $ 90.00 | $ 90.00 | Marathon | 6/7/2023 | 1 | 44.87239 | -89.94797 | 6.3 |
| 7997 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/7/2023 | 1 | 44.87114 | -89.94795 | 8.4 |
| 7998 | Residue Management | Cropping | 7 | ACRES | $ 210.00 | $ 210.00 | Marathon | 6/7/2023 | 1 | 44.87196 | -89.95034 | 14.7 |
| 7999 | Residue Management | Cropping | 10 | ACRES | $ 300.00 | $ 300.00 | Marathon | 6/7/2023 | 1 | 44.87037 | -89.95095 | 21 |
| 8000 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/7/2023 | 1 | 44.86789 | -89.95094 | 8.4 |
| 8001 | Residue Management | Cropping | 4 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/7/2023 | 1 | 44.86882 | -89.94799 | 8.4 |
| 8002 | Residue Management | Cropping | 9 | ACRES | $ 270.00 | $ 270.00 | Marathon | 6/7/2023 | 1 | 44.86044 | -89.96501 | 18.9 |
| 8003 | Residue Management | Cropping | 5 | ACRES | $ 150.00 | $ 150.00 | Marathon | 6/7/2023 | 1 | 44.87354 | -89.93914 | 10.5 |
| 8004 | Residue Management | Cropping | 18.5 | ACRES | $ 370.00 | $ 370.00 | Marathon | 6/7/2023 | 1 | 44.87709 | -90.04027 | 11.4 |
| 7951 | Residue Management | Cropping | 68 | ACRES | $ 1,360.00 | $ 1,360.00 | Marathon | 6/7/2023 | 1 | 44.86929 | -90.04734 | 108.8 |
| 7952 | Residue Management | Cropping | 84 | ACRES | $ 1,680.00 | $ 1,680.00 | Marathon | 6/7/2023 | 1 | 44.87936 | -90.05251 | 134.4 |
| 7953 | Residue Management | Cropping | 13 | ACRES | $ 260.00 | $ 260.00 | Marathon | 6/7/2023 | 1 | 44.87498 | -90.03174 | 20.8 |
| 7954 | Residue Management | Cropping | 36 | ACRES | $ 720.00 | $ 720.00 | Marathon | 6/7/2023 | 1 | 44.86036 | -90.00699 | 57.6 |
| 7955 | Residue Management | Cropping | 6 | ACRES | $ 240.00 | $ 240.00 | Marathon | 6/7/2023 | 1 | 44.89861 | -90.05357 | 12.6 |
| 7956 | Residue Management | Cropping | 10 | ACRES | $ 400.00 | $ 400.00 | Marathon | 6/7/2023 | 1 | 44.90036 | -90.05404 | 21 |
| 7957 | Residue Management | Cropping | 3 | ACRES | $ 120.00 | $ 120.00 | Marathon | 6/7/2023 | 1 | 44.89967 | -90.05238 | 6.3 |
| 7958 | Residue Management | Cropping | 9 | ACRES | $ 360.00 | $ 360.00 | Marathon | 6/7/2023 | 1 | 44.90089 | -90.04951 | 18.9 |
| 7959 | Residue Management | Cropping | 12 | ACRES | $ 480.00 | $ 480.00 | Marathon | 6/7/2023 | 1 | 44.90024 | -90.049 | 25.2 |
| 7960 | Residue Management | Cropping | 8 | ACRES | $ 320.00 | $ 320.00 | Marathon | 6/7/2023 | 1 | 44.89976 | -90.04878 | 16.8 |
| 7961 | Residue Management | Cropping | 13 | ACRES | $ 520.00 | $ 520.00 | Marathon | 6/7/2023 | 1 | 44.89903 | -90.04861 | 27.3 |
| 7963 | Residue Management | Cropping | 25 | ACRES | $ 1,000.00 | $ 1,000.00 | Marathon | 6/7/2023 | 1 | 44.89548 | -90.05012 | 52.5 |
| 7962 | Residue Management | Cropping | 39 | ACRES | $ 1,560.00 | $ 1,560.00 | Marathon | 6/7/2023 | 1 | 44.89693 | -90.05018 | 81.9 |
| 7964 | Residue Management | Cropping | 14 | ACRES | $ 560.00 | $ 560.00 | Marathon | 6/7/2023 | 1 | 44.89902 | -90.01948 | 29.4 |
| 7965 | Residue Management | Cropping | 19 | ACRES | $ 760.00 | $ 760.00 | Marathon | 6/7/2023 | 1 | 44.89893 | -90.01797 | 39.9 |
| 7966 | Residue Management | Cropping | 22 | ACRES | $ 880.00 | $ 880.00 | Marathon | 6/7/2023 | 1 | 44.89904 | -90.01617 | 46.2 |
| 7967 | Residue Management | Cropping | 39 | ACRES | $ 780.00 | $ 780.00 | Marathon | 6/7/2023 | 1 | 44.87144 | -90.04164 | 23.4 |
| 7968 | Residue Management | Cropping | 20 | ACRES | $ 400.00 | $ 400.00 | Marathon | 6/7/2023 | 1 | 44.87738 | -90.04926 | 12 |
| 7969 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/7/2023 | 1 | 44.87387 | -90.04866 | 5.4 |
| 7970 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 6/7/2023 | 1 | 44.87743 | -90.04798 | 8.4 |
| 7971 | Residue Management | Cropping | 7 | ACRES | $ 140.00 | $ 140.00 | Marathon | 6/7/2023 | 1 | 44.87963 | -90.04635 | 4.2 |
| 7972 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/7/2023 | 1 | 44.87709 | -90.04631 | 5.4 |
| 7973 | Residue Management | Cropping | 16.5 | ACRES | $ 330.00 | $ 330.00 | Marathon | 6/7/2023 | 1 | 44.87469 | -90.04624 | 9.9 |
| 7974 | Residue Management | Cropping | 10 | ACRES | $ 200.00 | $ 200.00 | Marathon | 6/7/2023 | 1 | 44.8737 | -90.04232 | 6 |
| 7975 | Residue Management | Cropping | 18 | ACRES | $ 360.00 | $ 360.00 | Marathon | 6/7/2023 | 1 | 44.87071 | -90.03831 | 10.8 |
| 7976 | Residue Management | Cropping | 9 | ACRES | $ 180.00 | $ 180.00 | Marathon | 6/7/2023 | 1 | 44.87232 | -90.0365 | 5.4 |
| 7977 | Residue Management | Cropping | 15 | ACRES | $ 300.00 | $ 300.00 | Marathon | 6/7/2023 | 1 | 44.86712 | -90.04153 | 9 |
| 7978 | Residue Management | Cropping | 14 | ACRES | $ 280.00 | $ 280.00 | Marathon | 6/7/2023 | 1 | 44.86789 | -90.0429 | 8.4 |
| 7979 | Residue Management | Cropping | 19 | ACRES | $ 380.00 | $ 380.00 | Marathon | 6/7/2023 | 1 | 44.86816 | -90.03576 | 11.4 |
| 7980 | Residue Management | Cropping | 21 | ACRES | $ 420.00 | $ 420.00 | Marathon | 6/7/2023 | 1 | 44.86784 | -90.03826 | 12.6 |
| 7981 | Residue Management | Cropping | 21 | ACRES | $ 630.00 | $ 630.00 | Marathon | 6/7/2023 | 1 | 44.87511 | -89.93865 | 44.1 |
| 7982 | Residue Management | Cropping | 18 | ACRES | $ 540.00 | $ 540.00 | Marathon | 6/7/2023 | 1 | 44.87487 | -89.94285 | 37.8 |
| 7983 | Residue Management | Cropping | 8 | ACRES | $ 240.00 | $ 240.00 | Marathon | 6/7/2023 | 1 | 44.87364 | -89.94281 | 16.8 |
| 7986 | Residue Management | Cropping | 13 | ACRES | $ 390.00 | $ 390.00 | Marathon | 6/7/2023 | 1 | 44.87436 | -89.94591 | 27.3 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8632 | Residue Management | Cropping | 3.1 | ACRES | $ 57.00 | $ 57.00 | Brown | 6/15/2023 | NA | 44.341573 | -88.10972 | 1.43 |
| 8627 | Residue Management | Cropping | 4.3 | ACRES | $ 105.00 | $ 105.00 | Brown | 6/15/2023 | NA | 44.350555 | -88.10323 | 2.48 |
| 8624 | Residue Management | Cropping | 9.2 | ACRES | $ 207.00 | $ 207.00 | Brown | 6/15/2023 | NA | 44.269012 | -88.19358 | 36.47 |
| 8626 | Residue Management | Cropping | 16.8 | ACRES | $ 412.00 | $ 412.00 | Brown | 6/15/2023 | NA | 44.354514 | -88.10079 | 6.9 |
| 8639 | Residue Management | Cropping | 126.4 | ACRES | $ 2,338.00 | $ 2,338.00 | Brown | 6/15/2023 | NA | 44.229408 | -88.05974 | 139.43 |
| 8625 | Residue Management | Cropping | 5.4 | ACRES | $ 100.00 | $ 100.00 | Brown | 6/15/2023 | NA | 44.402653 | -88.05784 | 0.31 |
| 8628 | Residue Management | Cropping | 6.4 | ACRES | $ 157.00 | $ 157.00 | Brown | 6/15/2023 | NA | 44.349379 | -88.10659 | 3.41 |
| 8629 | Residue Management | Cropping | 27.2 | ACRES | $ 666.00 | $ 666.00 | Brown | 6/15/2023 | NA | 44.349248 | -88.09381 | 11.54 |
| 8662 | Critical Area Stabilization | Structural | 0.8 | ACRES | $ 448.00 | $ 448.00 | Barron | 6/20/2023 | 5 | 45.396935 | -92.10766 | 5 |
| 8011 | Cover Crop | Cropping | 50 | ACRES | $ 2,500.00 | $ 2,500.00 | Walworth | 7/20/2023 | 1 | 42.641892 | -88.55341 | 36.7 |
| 8020 | Cover Crop | Cropping | 75 | ACRES | $ 3,118.75 | $ 3,118.75 | Walworth | 7/25/2023 | 1 | 42.633684 | -88.59235 | 38 |
| 8693 | Waterway Systems | Structural | 0.55 | ACRES | $ 9,558.00 | $ 3,643.97 | Calumet | 8/1/2023 | 10 | 44.154938 | -88.0762 | 11.8 |
| 8019 | Cover Crop | Cropping | 120 | ACRES | $ 4,800.00 | $ 4,800.00 | Walworth | 8/14/2023 | 1 | 42.624034 | -88.49386 | 50 |
| 7841 | Waste Transfer Systems | Structural | 1 | NO. | $ 62,588.17 | $ 3,265.92 | Outagamie | 8/28/2023 | 15 | 44.568362 | -88.55373 | |
| 7839 | Waste Transfer Systems | Structural | 1 | NO. | $ 62,588.17 | $ 3,858.65 | Outagamie | 8/28/2023 | 15 | 44.568075 | -88.55324 | 165 |
| 8373 | Residue Management | Cropping | 2 | ACRES | $ 52.86 | $ 37.00 | Wood | 9/7/2023 | 1 | 44.589709 | -89.85025 | 4 |
| 8374 | Residue Management | Cropping | 14.5 | ACRES | $ 383.21 | $ 268.25 | Wood | 9/7/2023 | 1 | 44.590368 | -89.85279 | 29 |
| 8375 | Residue Management | Cropping | 21.9 | ACRES | $ 578.79 | $ 405.15 | Wood | 9/7/2023 | 1 | 44.588629 | -89.85287 | 43.8 |
| 8376 | Residue Management | Cropping | 21.2 | ACRES | $ 560.29 | $ 392.20 | Wood | 9/7/2023 | 1 | 44.586669 | -89.83538 | 42.4 |
| 8377 | Residue Management | Cropping | 12.2 | ACRES | $ 322.43 | $ 225.70 | Wood | 9/7/2023 | 1 | 44.592713 | -89.84388 | 0 |
| 8378 | Residue Management | Cropping | 16.9 | ACRES | $ 446.64 | $ 312.65 | Wood | 9/7/2023 | 1 | 44.584539 | -89.83583 | 16.9 |
| 8379 | Residue Management | Cropping | 33 | ACRES | $ 872.14 | $ 610.50 | Wood | 9/7/2023 | 1 | 44.585541 | -89.84781 | 66 |
| 8380 | Residue Management | Cropping | 45.1 | ACRES | $ 1,191.93 | $ 834.35 | Wood | 9/7/2023 | 1 | 44.514311 | -89.78991 | 180.4 |
| 8381 | Residue Management | Cropping | 21.9 | ACRES | $ 578.79 | $ 405.15 | Wood | 9/7/2023 | 1 | 44.588568 | -89.8477 | 21.8 |
| 8382 | Residue Management | Cropping | 16.4 | ACRES | $ 433.43 | $ 303.40 | Wood | 9/7/2023 | 1 | 44.592029 | -89.83878 | 49.2 |
| 8383 | Residue Management | Cropping | 32 | ACRES | $ 845.71 | $ 592.00 | Wood | 9/7/2023 | 1 | 44.589331 | -89.83567 | 95.7 |
| 8384 | Residue Management | Cropping | 15.1 | ACRES | $ 399.07 | $ 279.35 | Wood | 9/7/2023 | 1 | 44.584501 | -89.84212 | 30.2 |
| 8385 | Residue Management | Cropping | 17.9 | ACRES | $ 473.07 | $ 331.15 | Wood | 9/7/2023 | 1 | 44.583244 | -89.8486 | 124.6 |
| 8386 | Residue Management | Cropping | 16.1 | ACRES | $ 425.50 | $ 297.85 | Wood | 9/7/2023 | 1 | 44.582014 | -89.84881 | 78.4 |
| 8387 | Residue Management | Cropping | 11.2 | ACRES | $ 296.00 | $ 207.20 | Wood | 9/7/2023 | 1 | 44.580789 | -89.84791 | 78.4 |
| 8388 | Residue Management | Cropping | 20.6 | ACRES | $ 544.43 | $ 381.10 | Wood | 9/7/2023 | 1 | 44.596416 | -89.83573 | 82 |
| 8389 | Residue Management | Cropping | 21.3 | ACRES | $ 562.93 | $ 394.05 | Wood | 9/7/2023 | 1 | 44.596757 | -89.84058 | 21.3 |
| 8390 | Residue Management | Cropping | 15.5 | ACRES | $ 409.64 | $ 286.75 | Wood | 9/7/2023 | 1 | 44.596248 | -89.82997 | 77.5 |
| 8391 | Residue Management | Cropping | 35.3 | ACRES | $ 932.93 | $ 653.05 | Wood | 9/7/2023 | 1 | 44.508032 | -89.7812 | 35.3 |
| 8737 | Prescribed Grazing | Structural | 18 | ACRES | $ 19,319.00 | $ 10,819.00 | Taylor | 9/10/2023 | 20 | 45.140918 | -90.18537 | 48 |
| 8660 | Critical Area Stabilization | Structural | 0.9 | ACRES | $ 458.00 | $ 458.00 | Barron | 10/2/2023 | 5 | 45.422556 | -92.04391 | 4 |
| 8659 | Critical Area Stabilization | Structural | 1.1 | ACRES | $ 558.00 | $ 558.00 | Barron | 10/2/2023 | 5 | 45.423067 | -92.04634 | 3 |
| 8024 | Combo 06: Cover Crop & Residue Management | Cropping | 54 | ACRES | $ 2,160.00 | $ 2,160.00 | Walworth | 10/10/2023 | 1 | 42.621798 | -88.53382 | 134 |
| 8743 | Cover Crop | Cropping | 8 | ACRES | $ 564.52 | $ 564.52 | Chippewa | 10/12/2023 | 1 | 44.93161 | -91.06497 | 3.2 |
| 8074 | Cover Crop | Cropping | 16.8 | ACRES | $ 1,175.62 | $ 1,175.62 | Chippewa | 10/15/2023 | 1 | 44.967747 | -91.2787 | 15.4 |
| 8079 | Cover Crop | Cropping | 38.5 | ACRES | $ 2,695.70 | $ 2,695.70 | Chippewa | 10/15/2023 | 1 | 45.049068 | -91.13413 | 15.4 |
| 8123 | Cover Crop | Cropping | 48 | ACRES | $ 4,800.00 | $ 3,360.00 | Outagamie | 10/15/2023 | 1 | 44.25153 | -88.21188 | 28.3 |
| 8124 | Cover Crop | Cropping | 36 | ACRES | $ 3,600.00 | $ 2,520.00 | Outagamie | 10/15/2023 | 1 | 44.25919 | -88.20988 | 20.7 |
| 7855 | Prescribed Grazing | Structural | 58 | ACRES | $ 10,826.61 | $ 7,578.63 | Taylor | 10/30/2023 | 10 | 45.160734 | -90.47762 | 139 |

| BMP ID | BMP Type | BMP Status | Quantity Installed | Quantity Units | Total Practice Cost | MDV Funds Used | Sponsor County | Date Installed | DESIGN_LIFE | Location (Latitude) | Location (Longitude) | Phosphorus Reduction (lbs) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8657 | Cover Crop | Cropping | 25.3 | ACRES | $ 835.00 | $ 835.00 | Brown | 11/16/2023 | NA | 44.246202 | -88.06269 | 3.56 |
| 8651 | Cover Crop | Cropping | 92 | ACRES | $ 3,680.00 | $ 3,680.00 | Brown | 11/16/2023 | NA | 44.327582 | -88.06865 | 97.82 |
| 8656 | Cover Crop | Cropping | 87.8 | ACRES | $ 2,897.00 | $ 2,897.00 | Brown | 11/16/2023 | NA | 44.244779 | -88.05331 | 13.51 |
| 8655 | Cover Crop | Cropping | 40.4 | ACRES | $ 1,333.00 | $ 1,333.00 | Brown | 11/16/2023 | NA | 44.244198 | -88.05889 | 14.37 |
| 8652 | Cover Crop | Cropping | 86 | ACRES | $ 2,838.00 | $ 2,838.00 | Brown | 11/16/2023 | NA | 44.235055 | -88.05029 | 5.91 |
| 8653 | Cover Crop | Cropping | 5.1 | ACRES | $ 168.00 | $ 168.00 | Brown | 11/16/2023 | NA | 44.235929 | -88.04396 | 0.37 |
| 8654 | Cover Crop | Cropping | 10.7 | ACRES | $ 353.00 | $ 353.00 | Brown | 11/16/2023 | NA | 44.241555 | -88.06278 | 3.38 |
| 7854 | Prescribed Grazing | Structural | 7 | ACRES | $ 8,002.10 | $ 5,601.47 | Taylor | 12/1/2023 | 10 | 45.160981 | -90.47728 | 18 |
| 8540 | Residue Management | Cropping | 11.7 | ACRES | $ 309.21 | $ 216.45 | Wood | 12/6/2023 | 1 | 44.579794 | -90.35756 | 0 |
| 8535 | Residue Management | Cropping | 26.1 | ACRES | $ 689.79 | $ 482.85 | Wood | 12/6/2023 | 1 | 44.593483 | -90.30137 | 52.2 |
| 8537 | Residue Management | Cropping | 24 | ACRES | $ 634.29 | $ 444.00 | Wood | 12/6/2023 | 1 | 44.579963 | -90.35248 | 0 |
| 8538 | Residue Management | Cropping | 19.9 | ACRES | $ 525.93 | $ 368.15 | Wood | 12/6/2023 | 1 | 44.582696 | -90.34876 | 19.9 |
| 8542 | Residue Management | Cropping | 5.4 | ACRES | $ 142.71 | $ 99.90 | Wood | 12/6/2023 | 1 | 44.597682 | -90.33513 | 16.2 |
| 8541 | Residue Management | Cropping | 81.5 | ACRES | $ 2,153.93 | $ 1,507.75 | Wood | 12/6/2023 | 1 | 44.593835 | -90.30991 | 0 |
| 8539 | Residue Management | Cropping | 18.4 | ACRES | $ 486.29 | $ 340.40 | Wood | 12/6/2023 | 1 | 44.578191 | -90.34793 | 0 |
| 8536 | Residue Management | Cropping | 33.8 | ACRES | $ 893.29 | $ 625.30 | Wood | 12/6/2023 | 1 | 44.597192 | -90.30122 | 33.8 |
| 8392 | Residue Management | Cropping | 28.3 | ACRES | $ 747.93 | $ 523.55 | Wood | 12/7/2023 | 1 | 44.595665 | -90.29093 | 0 |
| 8393 | Residue Management | Cropping | 23.9 | ACRES | $ 631.64 | $ 442.15 | Wood | 12/7/2023 | 1 | 44.597725 | -90.291 | 47.8 |
| 8394 | Residue Management | Cropping | 25.8 | ACRES | $ 681.86 | $ 477.30 | Wood | 12/7/2023 | 1 | 44.596584 | -90.29655 | 0 |
| 8395 | Residue Management | Cropping | 55.5 | ACRES | $ 1,466.79 | $ 1,026.75 | Wood | 12/7/2023 | 1 | 44.600762 | -90.28973 | 0 |
| 8396 | Residue Management | Cropping | 25.2 | ACRES | $ 666.00 | $ 466.20 | Wood | 12/7/2023 | 1 | 44.604818 | -90.29223 | 25.2 |
| 8397 | Residue Management | Cropping | 30.6 | ACRES | $ 808.71 | $ 566.10 | Wood | 12/7/2023 | 1 | 44.603089 | -90.29221 | 0 |
| 8398 | Residue Management | Cropping | 23.4 | ACRES | $ 618.43 | $ 432.90 | Wood | 12/7/2023 | 1 | 44.593544 | -90.28983 | 0 |
| 8650 | Cover Crop | Cropping | 9.38 | ACRES | $ 215.51 | $ 215.51 | Brown | 12/8/2023 | NA | 44.252044 | -88.0675 | 2.72 |
| 8078 | Cover Crop | Cropping | 8.2 | ACRES | $ 574.38 | $ 574.38 | Chippewa | 12/13/2023 | NA | 44.967058 | -91.27863 | 3 |
| 8215 | Waterway Systems | Structural | 0.14 | ACRES | $ 28,414.50 | $ 5,001.04 | Manitowoc | 12/19/2023 | 10 | 44.045015 | -87.75026 | 6.22 |
| 8399 | Cover Crop | Cropping | 8.7 | ACRES | $ 310.71 | $ 217.50 | Wood | 12/28/2023 | 1 | 44.624959 | -89.70756 | 8.7 |
| 8400 | Cover Crop | Cropping | 30.1 | ACRES | $ 1,075.00 | $ 752.50 | Wood | 12/28/2023 | 1 | 44.632884 | -89.70164 | 0 |
| 8401 | Cover Crop | Cropping | 30.9 | ACRES | $ 1,103.57 | $ 772.50 | Wood | 12/28/2023 | 1 | 44.622036 | -89.70722 | 30.9 |
| 8402 | Cover Crop | Cropping | 25 | ACRES | $ 892.86 | $ 625.00 | Wood | 12/28/2023 | 1 | 44.610003 | -89.73389 | 25 |
| 8403 | Cover Crop | Cropping | 13.2 | ACRES | $ 471.43 | $ 330.00 | Wood | 12/28/2023 | 1 | 44.620745 | -89.71679 | 26.4 |
| 8404 | Cover Crop | Cropping | 19.2 | ACRES | $ 685.71 | $ 480.00 | Wood | 12/28/2023 | 1 | 44.615046 | -89.73507 | 19.2 |
| 8405 | Cover Crop | Cropping | 16.5 | ACRES | $ 589.29 | $ 412.50 | Wood | 12/28/2023 | 1 | 44.623178 | -89.71789 | 16.5 |
| 8406 | Cover Crop | Cropping | 23.5 | ACRES | $ 839.29 | $ 587.50 | Wood | 12/28/2023 | 1 | 44.636328 | -89.71086 | 47 |
| 8407 | Cover Crop | Cropping | 21.5 | ACRES | $ 767.86 | $ 537.50 | Wood | 12/28/2023 | 1 | 44.62511 | -89.71561 | 21.5 |
| 8408 | Cover Crop | Cropping | 28.9 | ACRES | $ 1,032.14 | $ 722.50 | Wood | 12/28/2023 | 1 | 44.636345 | -89.71649 | 86.7 |
| 8409 | Cover Crop | Cropping | 28.3 | ACRES | $ 1,010.71 | $ 707.50 | Wood | 12/28/2023 | 1 | 44.618253 | -89.74491 | 73.5 |
| 8410 | Cover Crop | Cropping | 26.5 | ACRES | $ 946.43 | $ 662.50 | Wood | 12/28/2023 | 1 | 44.617598 | -89.7395 | 71.7 |
| 8411 | Cover Crop | Cropping | 15.1 | ACRES | $ 539.29 | $ 377.50 | Wood | 12/28/2023 | 1 | 44.584501 | -89.84212 | 0 |
| 8515 | Cover Crop | Cropping | 34.2 | ACRES | $ 1,221.43 | $ 855.00 | Wood | 12/28/2023 | 1 | 44.637134 | -89.70673 | 0 |
| 8513 | Cover Crop | Cropping | 3.6 | ACRES | $ 128.57 | $ 90.00 | Wood | 12/28/2023 | 1 | 44.683891 | -89.69575 | 3.6 |
| 8514 | Cover Crop | Cropping | 9.4 | ACRES | $ 335.71 | $ 235.00 | Wood | 12/28/2023 | 1 | 44.682683 | -89.69295 | 9.4 |
| 8516 | Cover Crop | Cropping | 19.7 | ACRES | $ 703.57 | $ 492.50 | Wood | 12/28/2023 | 1 | 44.636671 | -89.70401 | 0 |
| 8517 | Cover Crop | Cropping | 17.7 | ACRES | $ 632.14 | $ 442.50 | Wood | 12/28/2023 | 1 | 44.635827 | -89.70119 | 0 |
| 8518 | Cover Crop | Cropping | 43.2 | ACRES | $ 1,542.86 | $ 1,080.00 | Wood | 12/28/2023 | 1 | 44.645834 | -89.72224 | 43.2 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7755 | Residue Management | Cropping | 50 | ACRES | $ - | $ - | Sauk | 5/1/2024 | 3 | 43.473454 | -89.87283 | 435 |
| 8719 | Harvestable Buffers | Structural | 1 | ACRES | $ 1,775.00 | $ 1,775.00 | Washington | 6/1/2024 | 10 | 43.400034 | -88.39274 | 27 |
| 7756 | Residue Management | Cropping | 50 | ACRES | $ - | $ - | Sauk | 5/1/2025 | 3 | 43.473419 | -89.87266 | 435 |