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

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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 in most cases, nonpoint source measures under the proposed MDV would lead to greater reductions in total phosphorus loadings compared to point source reduction efforts. 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.

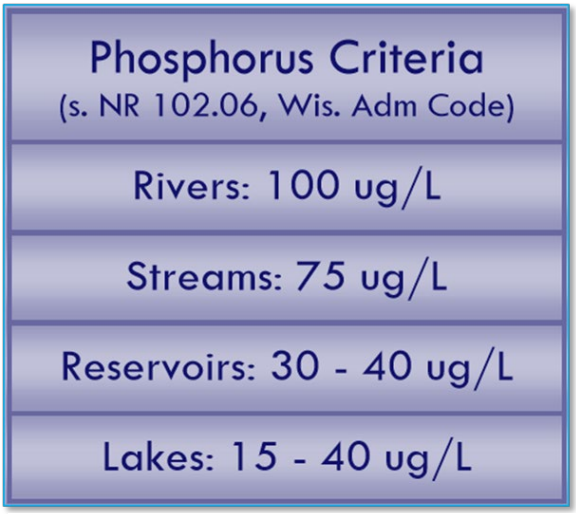


Figure 1: Phosphorus Criteria Adopted Under 2010 Rule

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

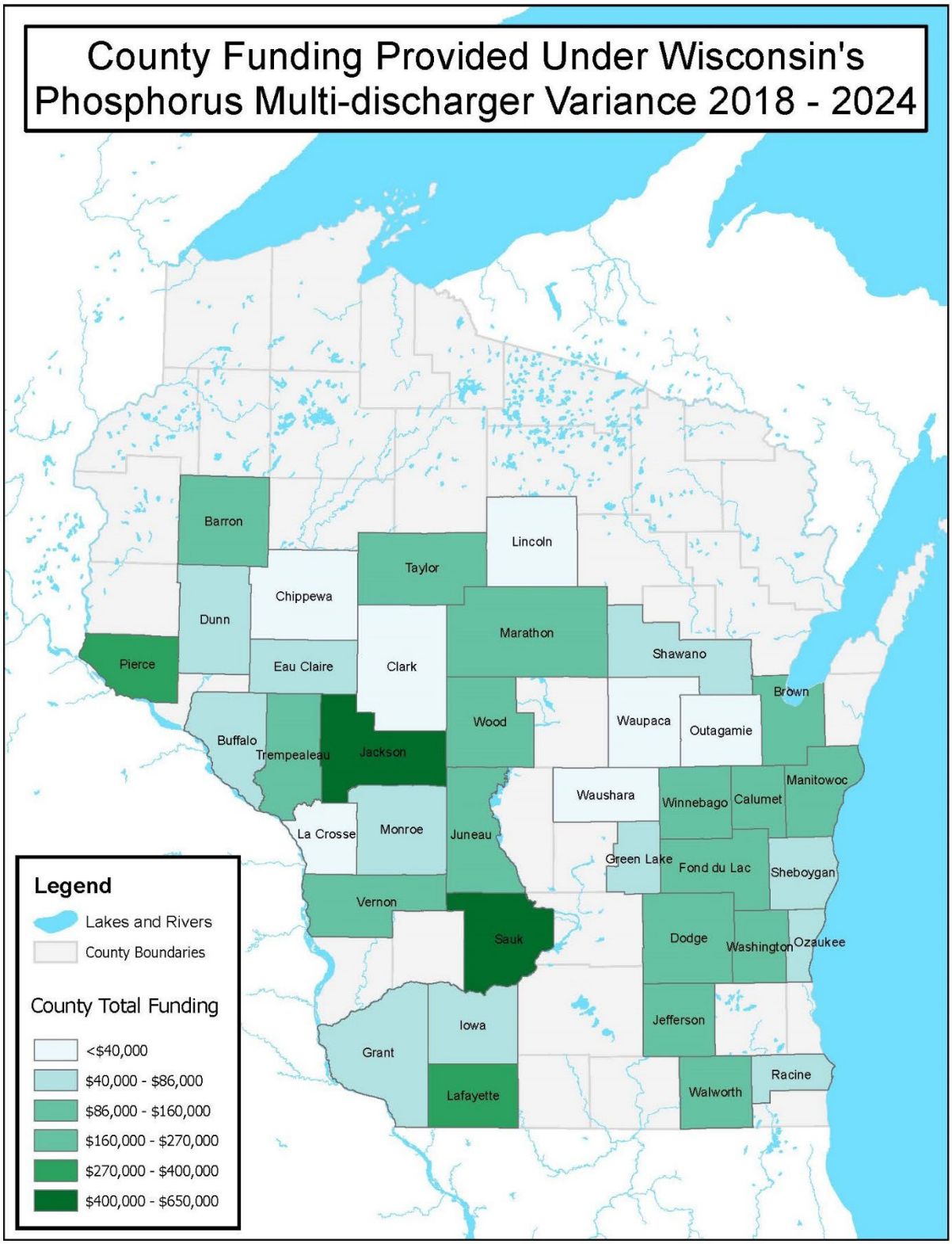


Figure 2: County Total Funding Map

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

Figure 3: DNR staff providing an NR 151 evaluation training to County LCD and Forest Management Staff

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.

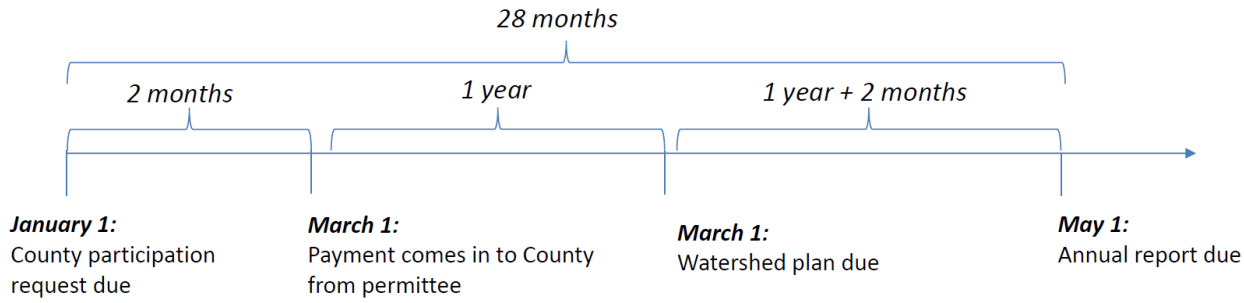


Figure 4: MDV Timeline

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

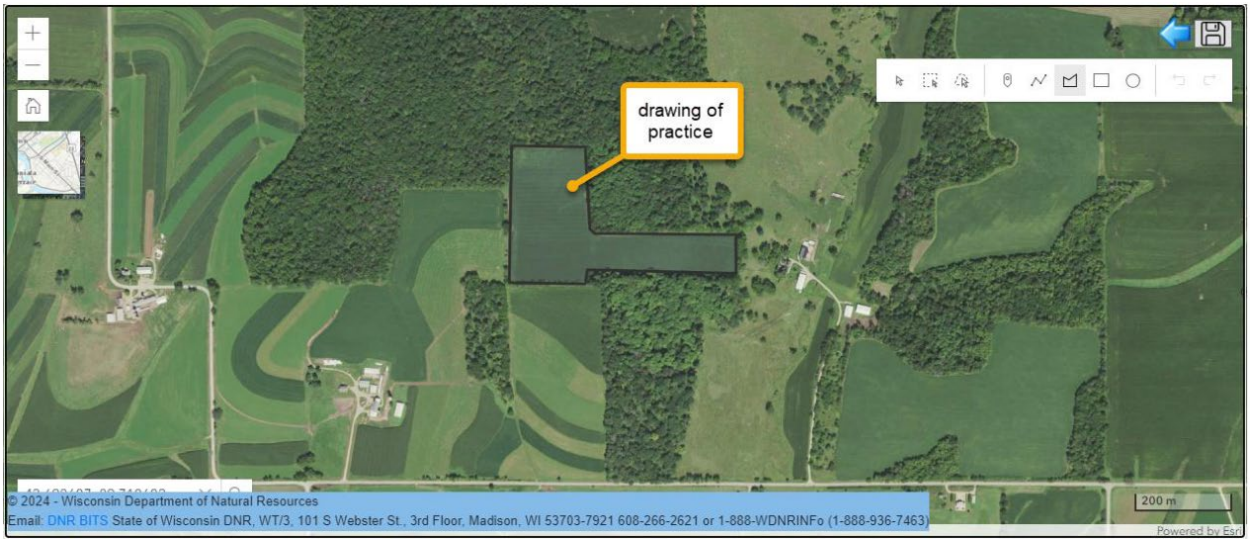


Figure 5: Screenshot of BITS Reporting Draw Tool.

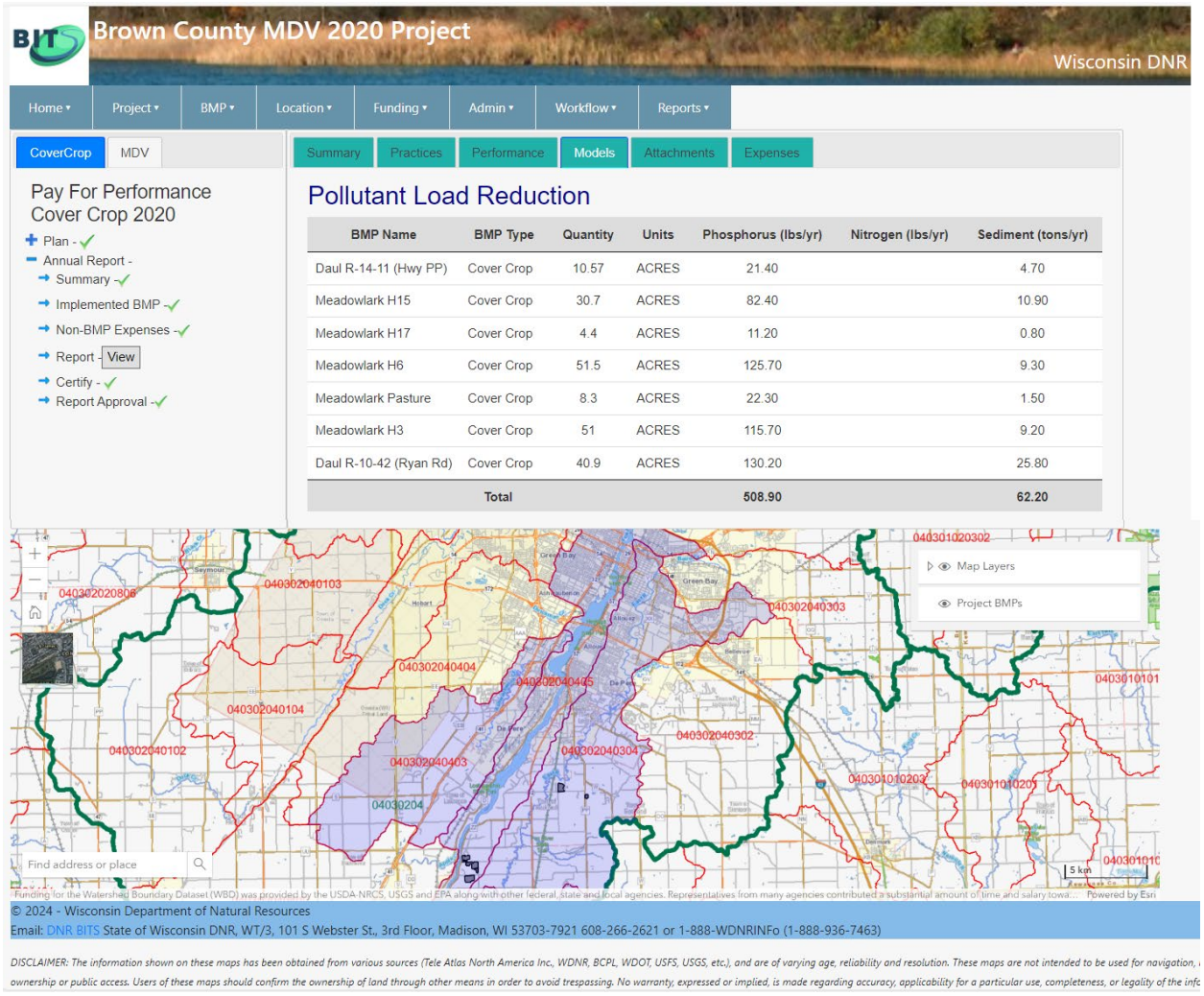


Figure 6: Screenshot of BITS Reporting Pollutant Load Reduction Table and Practices Map.

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.

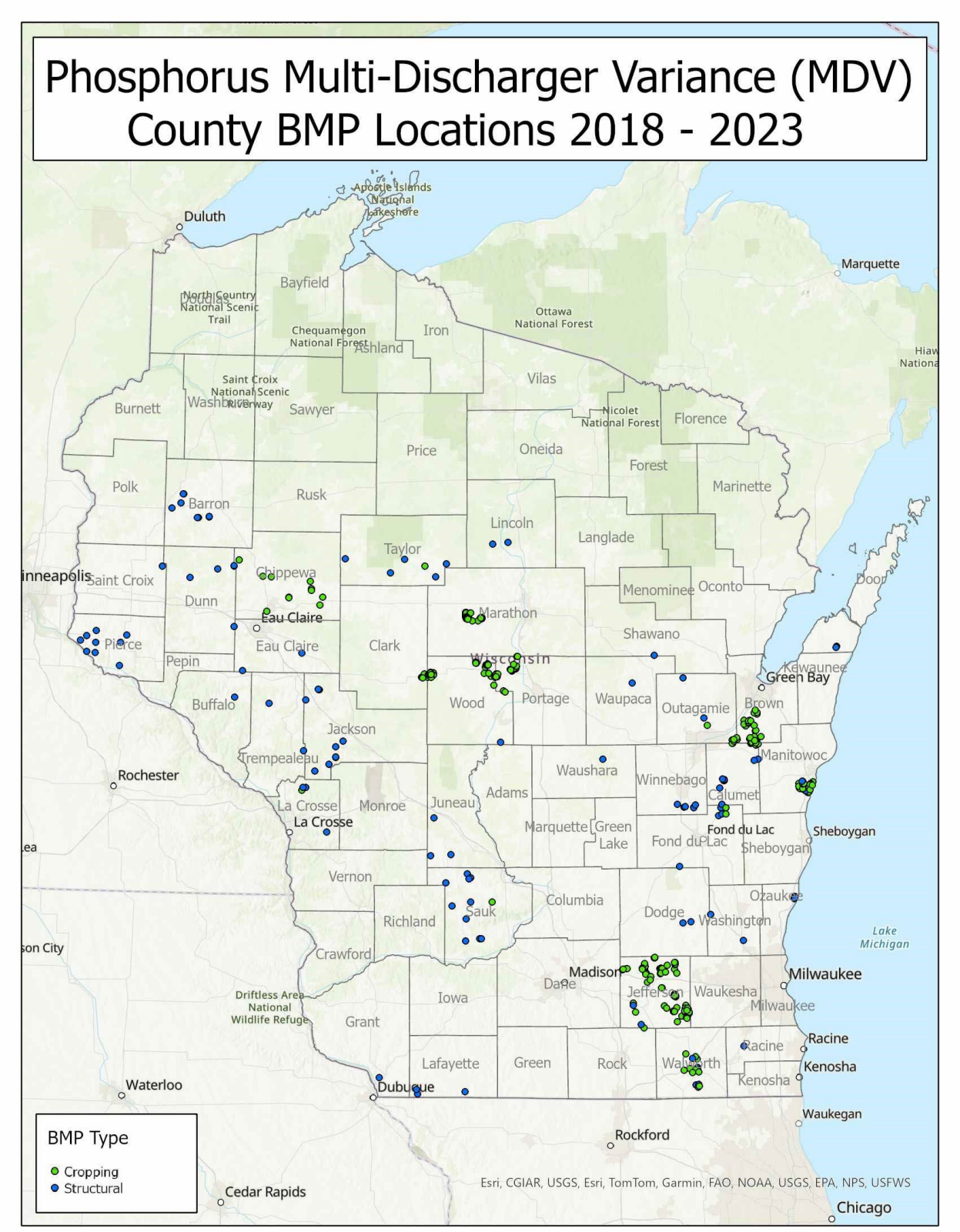
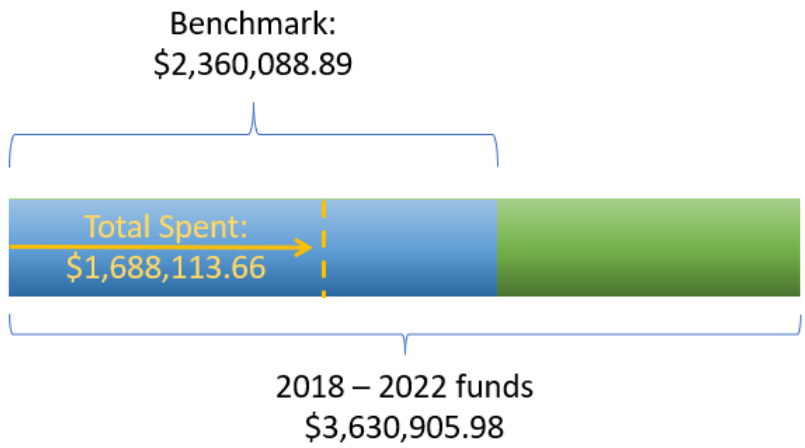


Figure 7. Location of all BMPs installed by counties under the MDV program for reporting years 2018 - 2023

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.

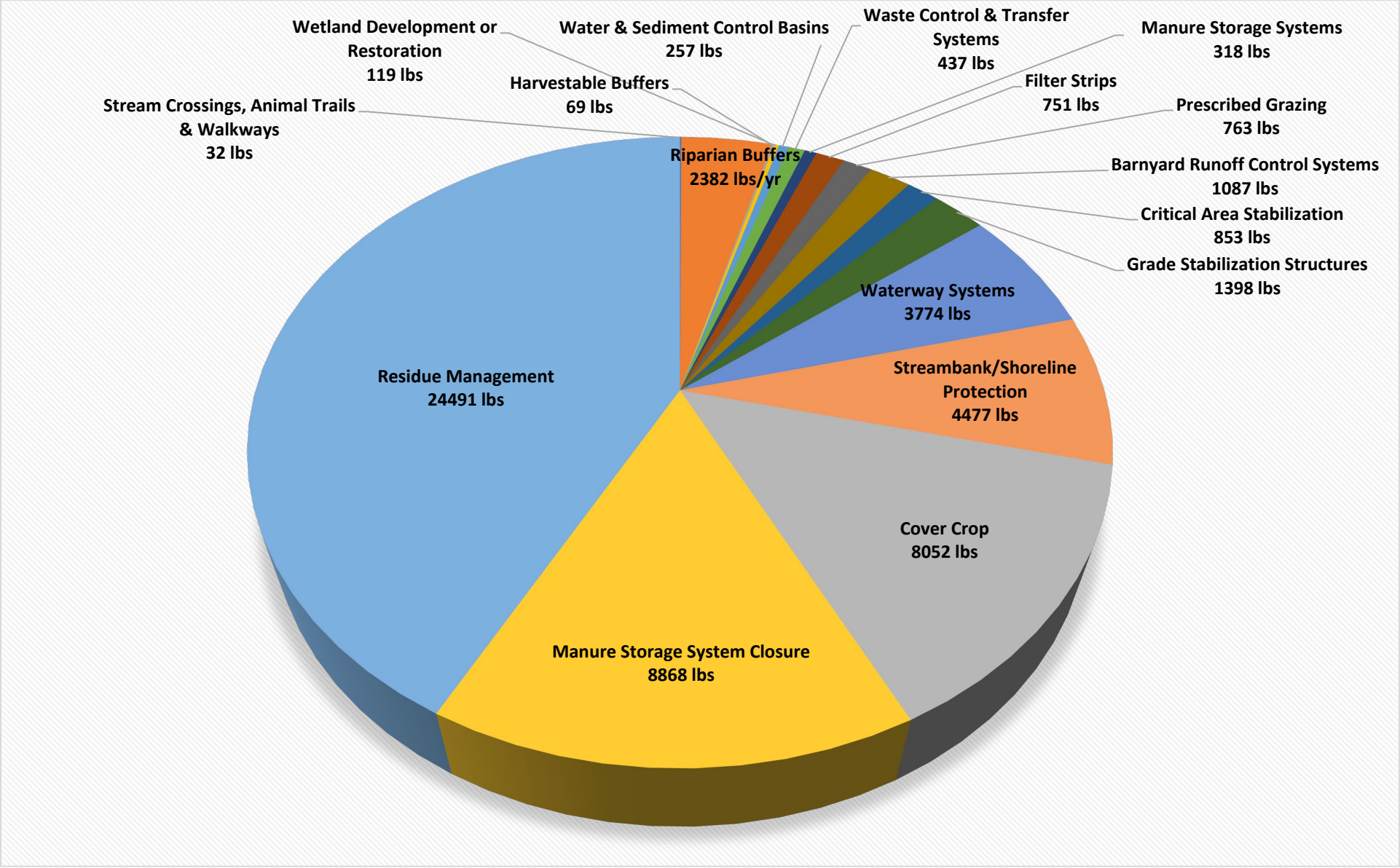


Figure 8: Summary of Modeled Pollutant Load Reductions Achieved by Practice Type

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

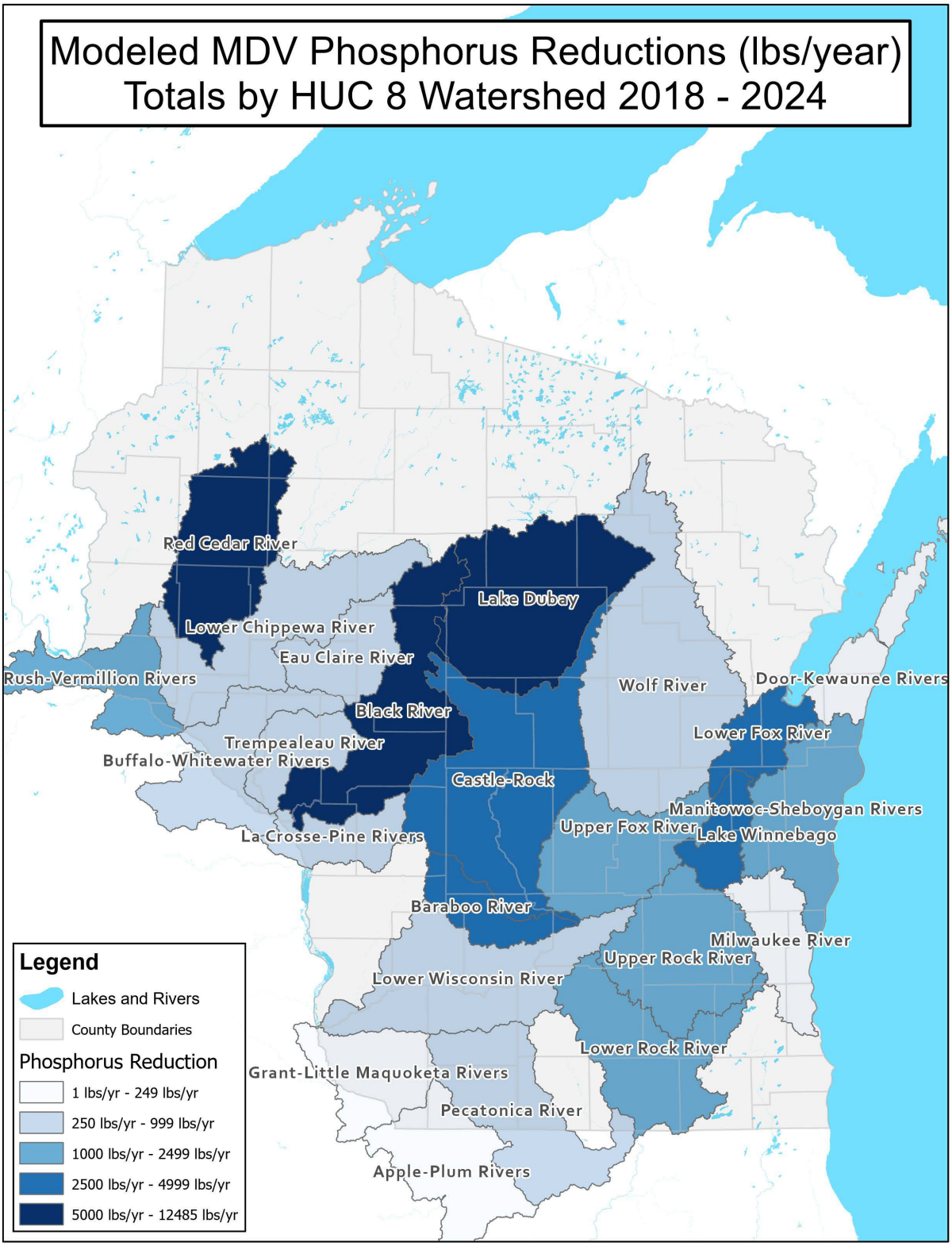


Figure 9: Modeled Phosphorus Reductions by HUC 8 Watershed

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

Why evaluate load reductions that would occur if WQBELs were to be achieved?

Point sources are expected to achieve compliance with applicable water quality standards. While variances may allow point sources to temporarily forego treatment upgrades necessary to achieve water quality standards, the degree to which a variance program can offset these exceedances is one way to measure the success of variance actions.

Why is using a WQBEL scenario a conservative approach?

Dischargers covered under a variance have demonstrated they cannot feasibly install treatment to meet the applicable WQBEL. Therefore, it is assumed that other provisions put in place will improve water quality, but there is no requirement that a complete offset be achieved via variance actions.

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 10) 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 (fully optimized feasible treatment). 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.

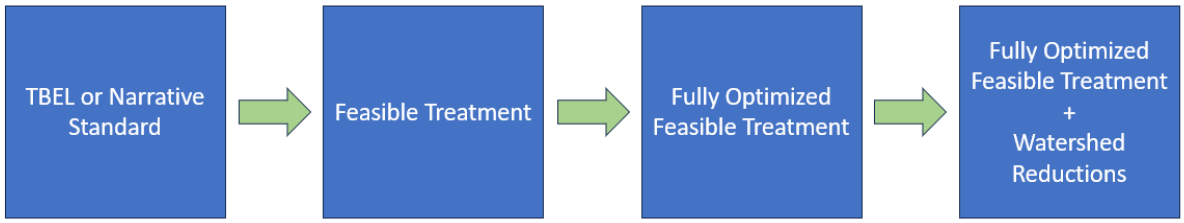


Figure 10. The variance progress continuum visualized

As suggested above, the MDV efficiently pushes dischargers through this continuum by incentivizing optimization and requiring watershed projects to occur. The following (Figure 12, page 34) 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. What has been achieved under the MDV, termed "MDV-driven Optimization" represents greater pollutant load reductions than what would be achieved under installation of feasible treatment alone. 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 Figures 12 and 13.

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.

Figure 11: Before/after picture of gully erosion stabilized via a grassed waterway. Photo Credit: Clark County LCD

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 12 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.

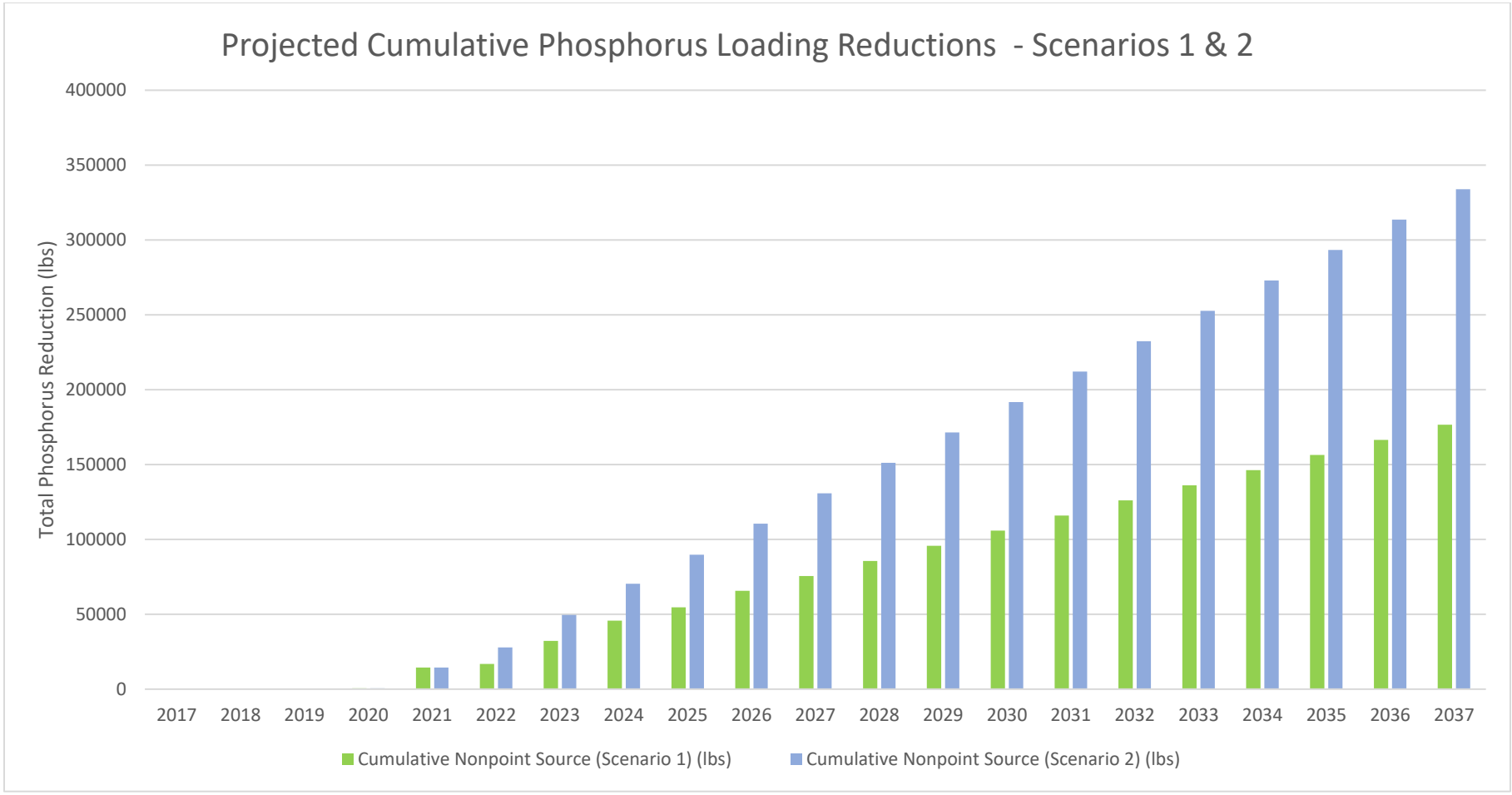


Figure 12: Comparison of Projected Nonpoint Source Phosphorus Reductions From Scenario 1 and Scenario 2

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 13 below.

While the nonpoint source pollutant load reduction projections are substantial, they fail to demonstrate a complete offset of phosphorus discharged above applicable WQBELs. If every facility covered by the MDV met its phosphorus WQBEL between 2021-2023, point source phosphorus loadings would be reduced by an average of 26,952 pounds per year (Table 10, p. 25). The difference between the average point source load reductions if all 159 facilities covered by the MDV met their WQBELs and the projected average nonpoint source load reductions under the MDV is 6,645 pounds per year. As mentioned previously, there is no requirement for nonpoint source reductions to outweigh full compliance with water quality standards. This comparison is made for informational purposes only.

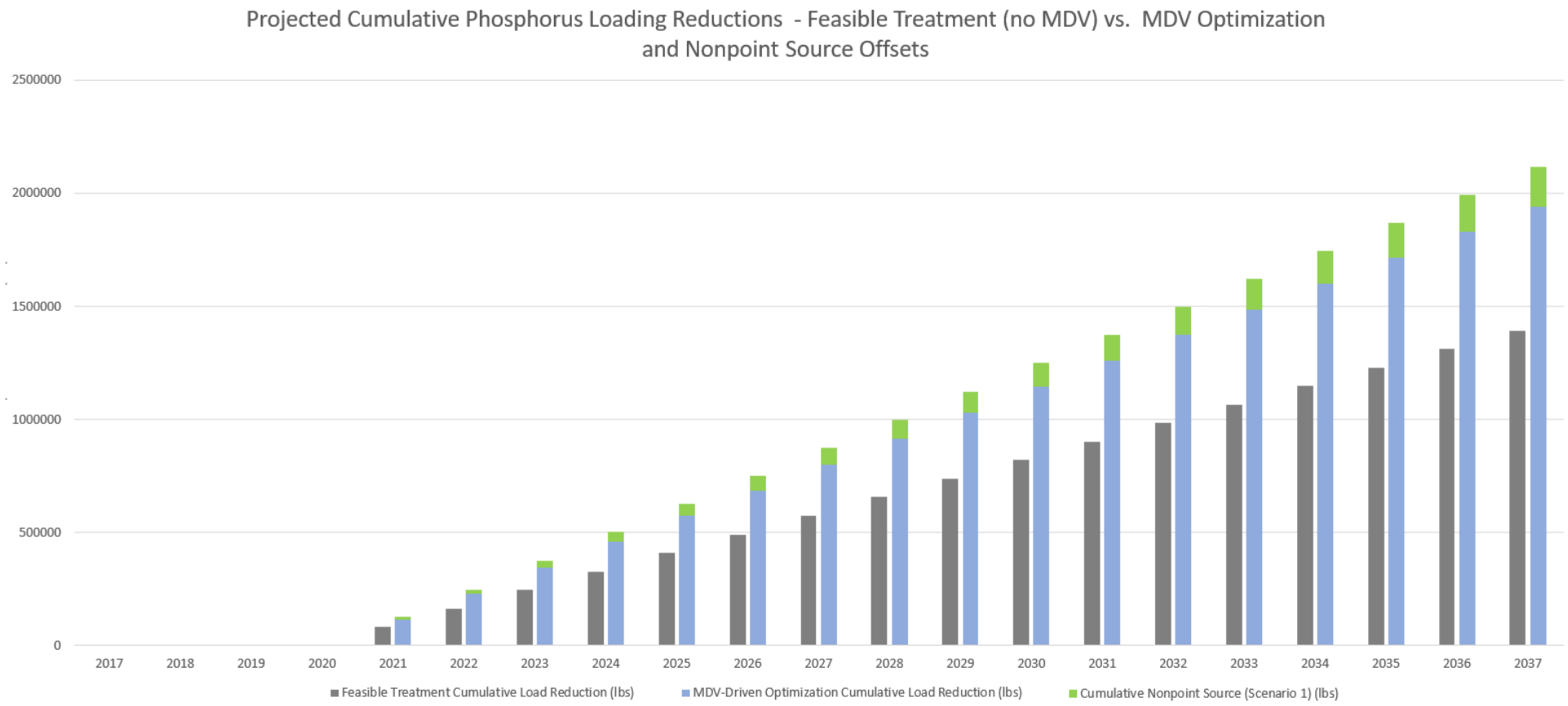


Figure 13: Comparison between cumulative load reductions achieved under feasible treatment only and MDV outcomes, including optimization and nonpoint source reductions

Self-directed and Third-party Projects

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

Facility Name	Nonpoint Source Phosphorus Load Reduction Achieved (lbs/yr)	Total Effluent Phosphorus Load in 2022 (lbs/yr)	Phosphorus Loading at Target Value of 0.2 mg/L (lbs/year)	Phosphorus Loading at the Unvaried WQBEL of 0.075 mg/L (lbs/year)	Phosphorus Load Reduction Predicted if Meeting Unvaried WQBEL of 0.075 mg/L (lbs/year)
Richland Center	850	321	291	109	212
Galesville Wastewater	515	315	75	28	287
Norwalk	88	95	20	8	87
Marathon Water & Sewer	475	619	161	60	559
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. Please note that values in Table 13 are rounded to the nearest whole number.

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 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

Critical Area Stabilization 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 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 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 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.

Grade Stabilization NR 154.04(14)	"grade stabilization structure" means a 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
Livestock Fencing NR 154.04(17)	"livestock fencing" means either of the following: (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 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 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 until its vegetative cover is restored.	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.

Relocating or Abandoning Animal Feeding Operations 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 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 NR 154.04(26)	"Roof" means a weather−proof covering that shields an animal lot or manure storage structure from precipitation, and 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 NR 154.04(27)	"roof runoff system" means facilities for collecting, 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

	system" may include gutters, downspouts, erosion−resistant channels, subsurface drains, and trenches. ATCP 50.85		
Sediment Basins NR 154.04(28)	"Sediment basins" means permanent basins that reduce the transport of waterborne pollutants such as eroded soil sediment, debris, and manure sediment. Sediment basins may include containment walls or berms, pickets or screens to filter debris, orifices or weirs to control discharge, and conduits to direct runoff to treatment 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 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 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 NR 154.04(33)	"subsurface drain" means a conduit installed below the 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 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

	grade and suitable spacing. ATCP 50.91		
Underground Outlets 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 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 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 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 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 NR 154.04(39)	"waterway system" means a natural or constructed 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

	or another suitable surface material to prevent erosion by runoff waters. ATCP 50.96		
Well Decommissioning 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 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 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 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

	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" means waterbody−specific treatments used to stabilize and protect the eroding banks of streams or constructed channels, and shorelines of lakes, reservoirs, or estuaries. The practice is 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 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 NR 154.04(9)	"cropland cover" means close−growing grasses, legumes, or small grain grown for any of the following purposes: (a) To control erosion during periods when major crops do not furnish adequate cover.	Prevents phosphorus transport into surface waters through erosion.	Vegetative control of erosion and runoff. Effective within one growing season.

Nutrient Management NR 154.04(20)	"nutrient management" means controlling the amount, source, form, location, and timing of plant nutrient applications, 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 NR 154.04(21)	"pesticide management" means controlling the storage, handling, use, and disposal of pesticides used in crop production in order to minimize contamination of water, air, and nontarget organisms. ATCP 50.79		Included in the table in the justification document, but not relevant to nutrient load reduction.
Residue Management NR 154.04(24)	"residue management" means any of the following: (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 erosion by raindrop impact, surface water runoff, or wind. ATCP 50.82	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

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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

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)
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