

Row	ID #	Applicant	County	Grant Title	Grant Abstract	Grant Request	Grant Recommendation	Total Score
1	C18-2998	Wilkin SWCD	Wilkin	Lower Otter Tail River Gully Stabilization Project	The Wilkin Soil and Water Conservation District will partner with the Buffalo Red River Watershed District and the Natural Resource Conservation Service to stabilize 20 high priority gullies that are contributing sediment to the turbidity impaired Lower Otter Tail River. When all 20 gullies are stabilized, sediment will be reduced by 850 tons per year, Total Phosphorus will be reduced by 786 pounds per year, and Total Nitrogen will be reduced by 168 pounds per year. The sediment reduction associated with this project is 12 percent of the 6,868 tons per year goal.	\$ 185,000	\$ 185,000	91.14
2	C18-7062	Coon Creek WD	Anoka	Lower Sand Creek Corridor Restoration	This project will annually reduce 372 tons of sediment and over 300 pounds of phosphorus while improving instream and riparian habitat by restoring a half mile corridor of Lower Sand Creek. A combination of bioengineering and hard-armoring practices will be implemented to stabilize 2, 650 feet of eroding stream bank.	\$ 195,158	\$ 195,158	90.91
3	C18-3512	Becker SWCD	Becker	Buffalo Red Shallow Lakes and Mainstem Improvement Strategy - Phase II	Phase II of the Buffalo Red Shallow Lakes and Mainstem Improvement Strategy will continue to reduce nutrient and sediment delivery to 12 impaired lakes and impaired reaches of the Buffalo River through a targeted and prioritized approach. Overall, the project aims to reduce phosphorus and sediment to these lakes by 500 pounds and 4,700 tons per year by targeting prioritized implementation sites demonstrating the most significant gains in water quality.	\$ 398,000	\$ 398,000	90.64
4	C18-3114	Carlton SWCD	Carlton	Skunk Creek Watershed Sediment Reduction	The Skunk Creek Watershed Sediment Reduction project will address two major erosion problems on the Sediment Impaired Skunk Creek: stabilize a slump area and remove a legacy structure that is causing very high erosion at the pipe outlet. In addition to reducing erosion, this project will reconnect coastal brook trout habitat to a naturally cold and healthy stream that is currently impassable due to the pipe structure. This project will reduce 226 tons of sediment per year, open 12.6 miles of a cold water trout stream, and stabilize soil erosion associated with the slumping stream bank.	\$ 414,830	\$ 414,830	89.86
5	C18-1912	Comfort Lake-Forest Lake WD	Washington	Moody Lake Alum Treatment	The proposed project is a whole lake alum treatment of Moody Lake. The Moody Lake alum treatment is the final step of a systematic, multi-year diagnostic and implementation planning process the District began in 2011 for reducing watershed loads first and then addressing in-lake internal loads. The proposed project will reduce internal phosphorus loading by 386 pounds per year, and meet the internal load reductions needed for Moody Lake to meet the water quality standard.	\$ 135,000	\$ 135,000	89.09
6	C18-0363	Le Sueur County SWCD	Le Sueur	Jefferson German Watershed Phosphorus Reduction Project	The Jefferson-German Chain of Lakes (JG) is impaired for aquatic recreation due to excess nutrients. The goal of this project is to reduce nutrient loading by 58% by implementing the top 14 high priority, economically feasible projects within the watershed. Projects include installing water and sediment control basins, grade stabilization structures, 800 acres of cover crops and restoring two wetlands.	\$ 387,100	\$ 387,100	88.86
7	C18-9431	Benton SWCD	Benton	Little Rock Lake / Mississippi River drawdown for water quality.	Little Rock Lake water quality problems have been severe. A Total Maximum Daily Load and implementation plan created a roadmap to improve water quality in the lake. Since 2013, over 70 best management practices have been installed in the watershed. This project is the next phase and will draw the water down in the Mississippi River and Little Rock Lake for 6 weeks, creating enhanced aquatic plant communities and reducing in lake sources of phosphorus by at least 589 pounds. This public/private partnership between Eagle Creek Energy, MNDNR, Little Rock Lake Association and Benton Soil and Water Conservation District has overwhelming support of the lake community.	\$ 198,250	\$ 198,250	88.18
8	C18-7714	Isanti SWCD	Isanti	Blue Lake Priority Action Plan	Recent monitoring has detected a declining trend in the water quality in Blue Lake. A Subwatershed Assessment (SWA) for the lake was completed in 2016. This proposal will install six of the top projects identified in the direct watershed. A significant amount of work to prepare for this proposal has been completed and landowners are ready to install projects. This project will result in an annual 95 pound reduction and is 10% of the needed phosphorus reduction goal.	\$ 251,546	\$ 251,546	87.91
9	C18-9275	Shingle Creek WMC	Hennepin	Bass and Pomerleau Lakes Internal Load Reduction	Bass, Schmidt and Pomerleau Lakes are part of a three-lake chain in the City of Plymouth, all of which were listed in 2002 as Impaired Waters for excess nutrients. Substantial watershed nutrient load reductions have been completed, and Schmidt Lake has been delisted from the 303(d) list. Internal phosphorus load from the sediments continues to be a significant issue in Bass and Pomerleau, and alum treatments are proposed to reduce 90-95% of internal phosphorus loading. After treatment both lakes are expected to be at or close to the water quality standard.	\$ 267,040	\$ 267,040	87.59

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10	C18-5904	Forest Lake, City of	Washington	Forest Lake Enhanced Street Sweeping Implementation	This project will support implementation of the draft Forest Lake Enhanced Street Sweeping Plan developed for the City of Forest Lake. Key findings indicate that bimonthly regenerative air sweeping has the potential to reduce loading to Forest, Clear, Comfort, Shields, and Sylvan Lakes by an additional 140 pounds per year compared to the existing contract sweeping.	\$ 220,000	\$ 220,000	87.18
11	C18-2907	Vadnais Lake Area WMO	Ramsey	Birch Lake Hot Spot Remediation	An existing wetland in the northeast subwatershed for Birch Lake has been identified as a source of phosphorus to the lake. This project will modify the outlet of the wetland to provide extended detention to minimize impacts to upland vegetation and provide more bounce and filtration capacity. In addition, an iron-enhanced sand filtration system will be installed resulting in an annual phosphorus reduction of 8 pounds.	\$ 97,000	\$ 97,000	86.59
12	C18-5247	Dakota SWCD	Dakota	2018 Trout Brook Watershed Initiative Phase 2	This project will improve surface water quality within Trout Brook and it will improve surface water in the Cannon River. Trout Brook, a designated trout stream, is impaired for excess nitrates and is a tributary to the Cannon River, which is impaired for turbidity.. Approximately 20 practices will be installed through this project which will reduce an estimated 670 tons of sediment per year. Installation of the highest impact and most cost effective practices will result in a quantifiable reduction of sediment that reaches Trout Brook and will directly address the turbidity impairment identified within the Cannon River.	\$ 200,000	\$ 200,000	86.32
13	C18-8841	Lake of the Woods SWCD	Lake of the Woods	Bostic Watershed	Lake of the Woods Soil and Water Conservation District (LOW SWCD), in partnership with Lake of the Woods County, will install 20 rock riffles to control grade and stabilize a 2 mile channelized reach of the Bostic Watershed. This project will improve water quality in the Bostic Watershed by controlling channel incision and reducing sediment transport into the sediment impaired reach of Bostic Creek. It is estimated that nearly 300 tons per year of soil is being eroded due to the uncontrolled down cutting. The conceptual design for this project has been a joint effort between LOW County, LOW SWCD and the MN DNR.	\$ 378,000	\$ 378,000	86.18
14	C18-4729	Sherburne SWCD	Sherburne	Lower Elk River Watershed Phase II Bacteria Reduction Grant	A section of the Elk River was found to be impaired for bacteria with 40% of all samples exceeding the State chronic standard. A Phase I project, completed in 2017, addressed six projects within Tier 1 & Tier 2 Priority Zones in close proximity to the Elk River. This project would continue to implement BMPs such as livestock exclusion, pasture management, manure management, filter strips, and other practices within these two Priority Zones. It is anticipated that between 8 and 12 practices would be installed, resulting in a potential 30% reduction in bacteria.	\$ 106,800	\$ 106,800	85.36
15	C18-9941	Pioneer-Sarah Creek WMC	Hennepin	Baker Park Reserve Campground Ravine Stabilization, Lake Independence, Hennepin County	Lake Independence is a highly valued impaired resource located in western Hennepin County. Baker Park Reserve, owned and operated by Three Rivers Park District (TRPD), provides over 4,500 feet of publically accessible shoreline on Lake Independence. Recent studies identified 2,200 feet of eroding channel within Baker Park Reserve that contributes 300 tons of sediment and 277 pounds of phosphorus to Lake Independence each year. The most cost-effective approach to address the major source of pollutant loading from the ravine is to install a series of rock grade control structures. Average annual phosphorus loads would be reduced by an estimated 134 per year and this reduction in annual phosphorus load would accomplish 15% of the needed total watershed phosphorus load reduction.	\$ 416,000	\$ 416,000	85.36
16	C18-6000	Rock SWCD	Rock	Rock County Rural Water Nitrogen Reduction	The goal of this project is to implement Nitrogen reducing Best Management Practices and Alternate Management Tools on agricultural land to reduce groundwater contamination of nitrate-nitrogen (NO3-N) in a vulnerable wellhead area in Southwest Minnesota. This area is primary agricultural land with high production rates. Our goal is to have 25% of land utilizing perennial crops, cover crops, and split application within the proposed project area totaling 711 acres. This project will include providing incentives to seed down alfalfa, hay, Kernza Grain or other perennial cash crops, utilizing cover crops to absorb excess NO3-N and split applying NO3-N to minimize loss to the environment.	\$ 78,930	\$ 78,930	85.14

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17	C18-4196	Lower Mississippi River WMO	Lower Mississippi	Cherokee Heights Stormwater Management and Ravine Stabilization Project	The Cherokee Heights Ravine receives untreated stormwater runoff from a 70-acre residential area. The ravine is at the upstream end of Lilydale Regional Park. High flow rates and velocities of untreated stormwater through the Cherokee Heights Ravine has caused severe erosion contributing to the instability of the adjacent banks and resulting in sediment and phosphorus loading to downstream Pickerel Lake. The project will reduce pollutant loading by treating stormwater and stabilizing the approximately 300 feet long Upper Cherokee Heights Ravine. The project will be conducted in partnership with St. Paul, Mendota Heights, and West St. Paul and is estimated to reduce annual sediment and phosphorus loading by 17 to 41 tons and 17 to 41 pounds. This represents about 37%-89% of the needed load reduction for Pickerel Lake.	\$ 700,000	\$ 700,000	84.00
18	C18-1804	Sauk River WD	Stearns	Middle Sauk River Protection Project	Current water quality data indicates that the middle reach of the Sauk River is near impairment conditions for turbidity and excessive nutrients. The goal of the Middle Sauk River Protection Project is to reduce nutrient and sediment loads by increasing the implementation of cover crops, field erosion control practices, and riparian restoration. This project will result in a reduction of approximately 380 tons of sediment and 385 pounds of phosphorus per year to the Sauk River by addressing stream bank erosion and overland field erosion.	\$ 258,000	\$ 258,000	83.86
19	C18-9383	Pope SWCD	Pope	2018 Lake Emily Watershed BMP Targeted Implementation Project III	The Lake Emily Watershed BMP Targeted Implementation Project will provide funding for 15 water and sediment control projects with potential shoreline and riparian restoration projects. Lake Emily is identified in the Eight Lake TMDL study and the Pope County Water Plan as being impaired for excessive nutrients. These projects have the potential to reduce sediment and phosphorus leaving the field by 350 tons per and 300 pounds per year. which will directly address 15% of Lake Emily's phosphorus reduction goal.	\$ 182,500	\$ 182,500	83.64
20	C18-2908	St. Louis County	St. Louis	2018 CWF SLC Projects	The goal of this project is to replace 9 imminent health threat systems in St. Louis County.	\$ 100,000	\$ 100,000	82.82
21	C18-1502	Minnehaha Creek WD	Hennepin	Minnehaha Greenway - 325 Blake Road Stormwater Management Project	This project is designed to manage area-wide stormwater runoff volumes from over 260 acres in a manner that addresses pollutant loading to Minnehaha Creek and downstream Lake Hiawatha, reduces peak runoff rates, and improves base flow in an expanded and restored section of riparian greenway. Two previous projects, Powell Road diversion and Lake Street diversion, have been constructed and complete the diversion of approximately 260 acres from two major drainage areas for discharge at the 325 Blake Road site. Once this final phase is complete the project is designed to reduce stormwater volumes by approximately 11.82 acre-feet and reduce total phosphorus loading by an estimated 181 pounds per year through various filtration and infiltration stormwater practices.	\$ 370,000	\$ 370,000	82.73
22	C18-8516	Roseau River WD	Roseau	Roseau River Sediment Reduction project	Roseau River Watershed District is initiating the first phase of a sediment reduction project on the lower reach of the Roseau River in an ongoing effort to improve both water quality and drainage efficiency within the lower reach of the Roseau River and its tributary ditches and streams. The project, once completed, will prevent 288 tons of sediment from entering SD 51 annually. Over the projected lifespan of the five grade stabilization structures 2,884 tons of sediment and 2884 pounds of phosphorus will be retained on the landscape instead of causing further damage to the waterway. RRWD would be the responsible party for maintenance of the five structures listed in this application.	\$ 55,600	FUNDED WITH MDM	82.59
23	C18-7583	Becker SWCD	Becker	Becker County Targeted Phosphorus Reduction and Lake Protection Project - Phase II	Phase II of The Becker County Targeted Phosphorus Reduction and Lake Protection Project will continue to address the critical sources of nutrients and sediment on 102 parcels draining to 29 lakes that have been determined to have a high sensitivity to phosphorus through the targeted application of shoreland stabilizations, native shoreland buffers, diversions, raingardens and combinations of other site-appropriate structural and vegetative lake-friendly Best Management Practices.	\$ 376,250	\$ 376,250	82.36
24	C18-2864	Anoka CD	Anoka	Targeted Mississippi River Bank Stabilization Focused On Bioengineering – Round 2	Eroding river banks contribute to the Mississippi River's turbidity impairments through direct loading of sediment and nutrients that degrade overall water quality as well as aquatic and nearshore habitat. This project will stabilize approximately 500 linear feet of Mississippi River bank. The project designs will use bioengineering techniques whenever possible to create thriving near-shore habitat, naturalize the riparian zone, and complement the recently updated Mississippi River Corridor Critical Area (MRCCA) rules. This project will result in the reduction of up to 100 tons of sediment and 100 pounds of phosphorus annually.	\$ 236,000	\$ 236,000	82.14

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25	C18-9787	Middle St. Croix River WMO	Washington	Lake St. Croix Direct Discharge Stormwater Retrofit Phase III	This project will continue to systematically address the stormwater discharge from a 1,852 acre pipe shed directly discharging to Lake St. Croix through the installation of targeted stormwater treatment best management practices prioritized in the 2014 Lake St. Croix Direct Discharge Stormwater Retrofit Analysis. The goal of this project is to reduce urban pollutant loading to Lake St. Croix by at least 10 pounds phosphorous and 1 acre foot of stormwater per year through the installation of up to 20 low impact development practices id	\$ 156,000	\$ 33,440	82.00
26	C18-6802	Pope SWCD	Pope	2018 City of Glenwood Targeted Urban Stormwater Implementation Project	Pope Soil and Water Conservation District completed a City of Glenwood Water Quality Assessment and BMP Prioritization Project in 2017. This analysis was of the area contributing runoff to Lake Minnewaska from within the City. A phosphorus reduction goal of 16.5% is needed to meet the goal for protecting Minnewaska equating to an annual TP loading reduction goal of 287 pounds per year from the Glenwood study area. This goal of this project is to install two stormwater ponds, a dry pond, a detention pond, rain gardens, and other stormwater BMPs that will reduce phosphorus by approximately 17 pounds (5% of the total phosphorus goal).	\$ 258,000	\$ -	81.95
27	C18-0343	Lac qui Parle-Yellow Bank WD	Multiple	Protecting Del Clarke and Restoring Canby Creek	Del Clarke Lake is a locally and regionally significant resource for both recreation and as a critical flood protection resource for the city of Canby. This proposed project is a protection strategy to maintain the quality of this resource while make progress towards restoring the turbidity impaired trout stream Canby Creek. Three grade control structures will be installed just upstream of Del Clark Lake to protect against sediment contributions and aid in regulating flows. It is anticipated the projects will reduce sediment by 1,258 tons oer year while reducing peak flow rates.	\$ 300,000	\$ -	81.68
28	C18-5434	Middle Fork Crow River WD		Stormwater Importance for Progressive New London "City on the Pond"	This grant seeks to build the top 5 prioritized projects (2 iron-enhanced sand filters, 1 rain garden, 1 infiltration trench, and 1 tree trench) within the City of New London. Installation of these project will result in a cost effective pollutant reduction from city runoff to various nearby water resources, and downstream drinking water supply of Minneapolis and St. Paul. The installation of these prioritized stormwater practices within New London will target the Middle Fork Crow River and reduce the annual sediment by approximately 2.1 tons over year to downstream Nest Lake and Green Lake, eventually the Mississippi.	\$ 272,738	\$ -	81.32
29	C18-8701	South Washington WD	Washington	Trout Brook Subwatershed - Ravines Stabilization	Trout Brook is a major tributary to Lake St. Croix and identified as a priority in the Lake St. Croix TMDL for total phosphorus nutrient reduction. A ravine analysis determined the top 8 of 12 active ravines identified have a satisfactory cost benefit ratio of less than \$300 per pound of TP removed annually over 30 years. The high ranking BMP practices to stabilize the ravines range from gabion embankments to water & sediment control basins, combined with rock chute spillways, in-channel check dams and other sediment capture practices. Three of the top 8 projects are already planned to be implemented with local funding and grant funding from other partners.	\$ 148,000	\$ -	81.32
30	C18-3597	Benton SWCD	Benton	Little Rock Lake Watershed Initiative	Little Rock Lake is impaired due to excess nutrients and experiences severe algae blooms . This project will reduce phosphorus into the lake by targeting feedlot and erosion control BMPs within the Zuleger Creek and Little Rock Creek North watersheds. We estimate this project will achieve another 5-10% reduction in phosphorous runoff by reducing phosphorus and sediment by an estimated 500 pounds and 500 tons per year.	\$ 215,000	\$ -	80.77
31	C18-9171	Polk, West SWCD	Polk	Middle-Snake-Tamarac Rivers Watershed District Judicial Ditch No. 75 Project	The purpose of this project is to stabilize the outlet of Judicial Ditch No. 75. . The proposed two-mile grade stabilization project will reduce sediment from JD 75 into the Red River by approximately 2,000 tons per year. The Total Phosphorus contributions to the Red River and Lake Winnipeg will also be reduced by approximately 400 pounds.	\$ 280,500	\$ -	80.36
32	C18-6101	Buffalo-Red River WD	Multiple	2018 Buffalo River Sediment Reduction Project	This project will repair severe channel and gully erosion in a tributary to the Buffalo River. The Buffalo River, amajor Red River tributary, is impaired for sediment. Downstream cities along the Red River utilize the river for drinking water. Lower sediment loads decrease costs for treating drinking water and also improves the quality of aquatic habitat for the several fish species living in the River. An estimated annual 400 tons of sediment and 450 pounds of Phosphorus that are currently transported to the Buffalo River would be kept out of the river if the ongoing erosion problems were fixed.	\$ 133,000	\$ -	79.82

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33	C18-1290	Middle Fork Crow River WD		Subsequent Prioritized AIG Implementation for Channelized Middle Fork River	In partnership Meeker County SWCD and local petition with Meeker County Drainage Authority, the MFCRWD will help implement eight prioritized project locations including one toe protection, twenty-six stream barbs, three vegetated riprap projects, canopy thinning, four tree removal, three resloping with vegetative riprap, and one animal exclusion. It is estimated that the implementation of these projects will annual reduce 797 tons of sediment and 160 pounds of phosphorous, protecting the drinking water source of Minneapolis and St. Paul, increase wildlife habitat, and recreational suitability of state waters.	\$ 714,400	\$ -	79.68
34	C18-7240	Medina, City of	Hennepin	Lakes Ardmore and Independence Area BMP Retrofit Projects	This project will reduce phosphorus loads into Lake Independence and Lake Ardmore by 10 pounds per year by installing 5 BMP's that were identified in the Lake Ardmore Area Sub-watershed Retrofit Assessment. These five BMP's are located on properties controlled by the City of Medina and and incude 1) Gully Stabilization, 2) Iron Enhanced Sand Filter, 3) Pond Excavation/Expansion, 4) Shoreline Stabilization and 5) Stream-bank Stabilization.	\$ 163,050	\$ -	79.64
35	C18-2703	Carver County	Carver	Grace Chain of Lakes Subwatershed Aanalysis Implementation	The Grace Chain of Lakes is a system of connected small lakes located in Carver County This proposal will help improve the water quality of these lakes through a series of BMPs that have been identified in the Carver Soil and Water Conservation District's "Grace Lake Chain Sub-Watershed: Stormwater Retrofit Assessment" (2014). This proposal will fund a total of 18 specific BMPs, including 10 SAFL Baffles, 5 bioretention basins, 2 iron enhanced sand filters, and 1 pond modification. As modelled, reductions of total phosphorus are 17 pounds per year; sediment reductions will be 1 ton per year; and urface volume reduction will be 64,034 cubic feet per year.	\$ 150,000	\$ -	79.41
36	C18-0106	Anoka CD	Anoka	Rum River Healthy Watershed WRAPS Implementation	This project is a watershed-level collaboration with the primary project implementers are Mille Lacs, Isanti, Sherburne & Anoka Soil and Water Conservation District. The project will focus on agricultural, shoreland restoration, & stormwater retrofits. In total, we anticipate installing 2-3 ag BMPs, 400 linear feet of streambank restoration & 3 stormwater retrofits. Pollutant reductions are estimated to be 45 pounds of phosphorus and 20 tons of sediment per year.	\$285,068	\$ -	79.3636
37	C18-0128	SE Minnesota Water Resources Board	Multiple	Reducing Nitrates in Local Drinking Water Supplies	Groundwater is used as a primairy drinking water source in the SE region and is subject to high nitrate-nitrogen pollution due to the unique karst geology and a predominance of agricultural land use. This project will focus on mitigating high nitrate levels in local drinking water supplies specifically in Drinking Water Supply Management Areas (DWSMA) that have high vulnerability to nitrate contamination. This project will provide cost-share funds to landowners for the incorporation of cover crops in their crop rotation and to provide education related to nitrogen BMPs. An anticipated 50 producers in 10 townships, in highly vulnerable areas, will plant 1,500 acres of cover crops each year resulting in preventing potentially 9,900 lbs of nitrate from leaching into groundwater.	\$226,617	\$ -	79.1364
38	C18-1472	Carver County	Carver	Lake Waconia Stormwater Main Retrofits	The proposed project will retrofit 4 outlets with SAFL Baffles. Currently, these outlets discharge untreated stormwater runoff from nearly ten acres from downtown Waconia directly to Lake Waconia. The proposed retrofits will lead to an annual Total Phosphorus load reduction of 25 pounds of phosphorus to Lake Waconia, and an annual reduction of 3 tons of sediment . Lake Waconia is considered a high priority protection lake as the ten-year average phosphorus levels are nearing the threshold for lake water quality standards.	\$90,000	\$ -	79.1364
39	C18-5173	Red Lake SWCD	Red Lake	2018 - Red Lake County - Clearwater River Improvement Projects	The sediment imparied Clearwater River is the focus of this proposal. Based on several detailed analysis, fields contributing the most sediment wee targeted and landowners in these priority areas are are to fix the erosion problems on their fields. Water Quality Improvement Projects, which include but are not limited to, grade stabilization structures, grassed	\$98,450	\$ -	78.9091

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40	C18-6244	Scott SWCD	Scott	2018 Lower MN River Targeted Water Quality Improvement Project	This project builds on the momentum of previous CWF grant investments in making quantifiable sediment, nutrient and runoff volume reductions in the Lower Minnesota Watershed. Water quality improvements will be achieved by constructing targeted BMPs in the Sand Creek, Porter Creek, Raven Stream and Credit River subwatersheds. Practices will include structural practices to treat ephemeral and classic gully erosion, filter strips to buffer non-regulated streams, native perennial cover to reduce runoff from environmentally-sensitive cropland, streambank stabilization to reduce near-channel erosion and wetland restoration.	\$246,000	\$ -	78.6364
41	C18-9908	Capitol Region WD	Ramsey	Lauderdale Stormwater Pond Improvement Project	Capitol Region Watershed District and the City of Lauderdale seek to improve water quality and flood control functions of Seminary Pond in Lauderdale. The project partners propose improvements to the pond to enhance its performance including: 1) expansion of the pond's storage area by deepening it and constructing an earthen berm along its west face and 2) construction of an iron-enhanced sand filter along two edges of the pond. These improvements to the pond were identified as being the most cost-effective compared to other alternatives considered. Estimated pollutant reductions are 2 tons of sediment and 17 pounds of phosphorus annually.	\$212,500	\$ -	78.1818
42	C18-5403	Sherburne SWCD	Sherburne	Sherburne County Groundwater Nitrate Reduction	The goal of the project is groundwater nitrate reduction by implementing best management practices and alternative management tools in priority areas of Sherburne County. Private well testing was conducted and analyzed in 6 townships.	\$150,000	\$ -	78.0909
43	C18-0181	Comfort Lake-Forest Lake WD	Washington	Bone Lake Rural Subwatershed Assessment Implementation	This project will implement best management practices identified in the Bone Lake Rural Subwatershed Assessment that was completed in 2017. Potential BMPs include water and sediment control basins, grassed waterways, filter strips, lined waterways, diversions, sediment basins, critical area seeding, nutrient management, rotational grazing, conservation tillage, access control, permanent vegetation conversion, and wetland restoration	\$240,000	\$ -	77.7727
44	C18-9873	Riley-Purgatory-Bluff Creek WD	Hennepin	2017 Lower Riley Creek Restoration Project	Lower Riley Creek is impaired for turbidity and is identified as a high priority for restoration. The creek is deeply incised. As such, flood flows are concentrated within the main channel resulting in faster flows and increase erosion. This restoration project will reconnect the creek with the flood plain and utilize bioengineering and hard armoring techniques. This project is estimated to reduce pollutants by 1,086 tons of sediment per year and 1,250 pounds per year in Total Phosphorus.	\$816,000	\$ -	77.7273
45	C18-6750	Norman SWCD	Norman	Wild Rice Watershed Sediment Basins	Due to erosion issues in the Wild Rice River Watershed the Norman County SWCD will design and install 7 sediment basins to curb infield sediment movement. This project will include working with approximately 5 landowners in a high priority area. The anticipated outcome will be a reduction in soil loss of approximately 91 tons per year.	\$126,000	\$ -	77.4091
46	C18-6438	Prior Lake-Spring Lake WD	Scott	In-lake Treatment for Upper Prior Lake	This proposal is to apply one alum treatment on Upper Prior Lake, which continues to exceed MN's water quality standards despite the completion of multiple and ongoing projects for Spring Lake and Upper Prior designed to improve water quality. The project goal is to meet the state standards for these parameters. The goal is for Upper Prior to meet the state standards by reducing load by about 40% or by approximately 2,000 pounds per year.	\$449,500	\$ -	77.2273
47	C18-6015	Carnelian-Marine-St. Croix WD	Washington	Marine on St. Croix Stormwater 2018 Project	This grant is a continuation and will continue to offer rain garden projects. In addition, a larger scale practice targeted and built in response to maintenance in the City's drainage ditches will capture and treat additional stormwater to reduce overall impacts on the St. Croix River and the Mill Stream, a DNR designated trout stream. Annual pollutant load reductions to Mill Stream and St. Croix River in the amount of: 10 pounds of phosphorus, 3 tons of sediment and 7 ac-ft runoff volume per year.	\$200,000	\$ -	76.8636
48	C18-1413	Apple Valley, City of	Hennepin	Johnny Cake Ridge Road Phosphorus Reduction BMPs	The project involves installation of a number of stormwater best management practices in the road right-of-way and on adjacent public property during road reconstruction. Practices implemented will include boulevard rain gardens and underground pretreatment chambers. The project is anticipated to reduce phosphorus to Long Lake by 9 pounds per year or about 17% of the remaining watershed phosphorus load reduction needed to meet water quality goals.	\$597,000	\$ -	76.5909

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49	C18-5411	Minnehaha Creek WD	Hennepin	Arden Park Creek Restoration and Stormwater Management	The Arden Park concept plan layers multiple natural resource benefits which address these impairments and community benefits. It includes restoration of over 2,000 feet of stream channel, removing one of three remaining dams on Minnehaha Creek, adding approximately 500 feet of stream length and the treatment of 107 acres of stormwater runoff which currently flows untreated into the creek. This project will result in reducing phosphorus by apprxnatley 29 pounds per year, increasing in-stream habitat and adding 0.5 acreas of new wetlands and 3 acreas of floodplain forest.	\$300,000	\$ -	76.5909
50	C18-2818	Crooked Creek WD		Crooked Creek Watershed Grade Stabilization Project	This project proposes to construct a grade stablization structure that would greatly reduce pollutants to Crooked Creek. It is estimated that project will reduce seimdent by 938 tons per year	\$184,000	\$ -	76.2727
51	C18-6752	Otter Tail, East SWCD	Otter Tail	Otter Tail County Targeted Shoreline Projects	This project will targetd 8 lakes and install shoreline restorations/stabilizations and stormwater runoff treatment practices. All the shoreline restorations/stabilizations and stormwater treatment projects are estimated to reduce erosion by at least 4.8 t5 tons per year and prevent at least 6 pounds of phosphorus from entering the lakes.	\$180,000	\$ -	76.2727
52	C18-2044	Polk, East SWCD	Polk	Phase V Upper Sand Hill River Watershed BMP's	The Sand Hill River Watershed TMDL specifies that a 16% reduction. This grant estimates potentially installing 50 water and sediment basins with a total reduction of sediment of 965 tons per year and over 1,000 pounds of phosphorus annyually. This project will address the water quality impairments by stabilizing the head cuts and reduce sediment leaving the fields.	\$200,000	\$ -	76.0455
53	C18-3536	Pelican River WD		Detroit Lakes Urban Stormwater Improvements	The project involves constructing a wet detention basin to treat runoff from West Lake Drive which is directly adjacent to the City of Detroit Lakes' mile-long public beach on Little Detroit Lake. An infiltration swale with a Vortex unit to treat runoff from a section of South Shore Drive located between Detroit and Curfman Lakes will also be constructed. The two practices will reduce phosphorous and sediment by 9 and 4,175 pounds per year espectively.	\$750,000	\$ -	76.0455
54	C18-9693	Redwood-Cottonwood Rivers Control Area	Multiple	Cottonwood Subwatersheds Watershed Management Project	This project is estimated to annually reduce 2,000 pounds of phosphorus and 4,060 tons of sediment reaching the Minnesota River through implementation of 10 WSCBs, 4000' of grassed waterways/terraces, 1500' of streambank protection, 865 acres of fall cover crops and 5 grade stabilizations.	\$291,805	\$ -	76
55	C18-9174	Buffalo-Red River WD	Multiple	2018 Red River Sediment Reduction Project	The project will significantly reduce sediment loading to the Red River. This project will install grade stabilization and other best management practices to repair severe gullies that are contributing massive sediment loads to the Red River. The project is expected to include constructing channel restoration and grade stabilization and permanent erosion control in at least one tributary waterway to the Red River which is expected to reduce sediment and phosphorus loadings to the river by 260 tons and 300 pounds per year, respectively.	\$87,000	\$ -	75.7273
56	C18-4844	Martin SWCD	Martin	Fairmont Chain of Lakes Watershed Restoration Phase 1	This project will improve water quality in the Fairmont Chain of Lakes, a drinking water source for a community of over 10,000 people. Phase one of this multi-phase water quality restoration focuses on installing targeted agricultural best management practices to reduce nitrogen, as well as phosphorus and sediment. This application will install treatment wetlands, grassed waterways, and water and sediment control basins in order to improve water quality in these lakes. It is estimated that the practiceswill reduce nitrogen by approximately 1,000 pounds per year.	\$210,000	\$ -	74.9091
57	C18-6596	Maplewood, City of	Ramsey	Wakefield Park and Frost Avenue Stormwater Management Project	The Wakefield Park and Frost Avenue Stormwater Management project will achieve 30 percent of the identified watershed phosphorus load reduction in the Wakefield Lake TMDL, a reduction of 15.7 lbs TP per growing season (32 lbs per year) within the watershed and will reduce imperviousness in the watershed with the narrowing of Frost Avenue. The project will also remove an additional 10 lbs per year in the adjacent Lake Phalen watershed.	\$715,000	\$ -	74.8182
58	C18-7137	Lake SWCD	Lake	Phase 2 - Landscape Scale Timber Stand Improvement	This project would result in 200 acres of forest stand improvement in sediment-impaired watersheds by removing dead balsam trees, eliminating invasive species and establishing desirable tree species to promote forest health and succession and reduce erosion through natural sub-canopy regeneration and tree planting.	\$133,000	\$ -	74.4091

Row	ID #	Applicant	County	Grant Title	Grant Abstract	Grant Request	Grant Recommendation	Total Score
59	C18-7726	Carver County	Carver	Lake Bavaria Stormwater Pond Retrofits	The primary objective of this project will be to decrease the annual existing load of TP entering Lake Bavaria by 19 pounds. In addition, the stormwater pond retrofits will decrease the annual sediment load entering the lake by 100 pounds.	\$80,000	\$ -	74.3182
60	C18-0448	Pipestone SWCD	Pipestone	Pipestone Creek Nitrogen Reduction	The goal of this project is to reduce Nitrate-Nitrogen (NO3-N) loading on surface and ground water of the North Branch Pipestone Creek watershed from non-point source agricultural land. 4,730 acres of row crop production will be targeting to include cover crops, split application of nitrogen on corn rotations, or perennial vegetation. Model calculations of nitrogen saved are currently unavailable per BWSR.	\$387,610	\$ -	74.2727
61	C18-0604	Itasca SWCD	Itasca	Itasca SWCD and Deer Lake Association, Deer Lake Phosphorus Reduction	Deer Lake has been identified as being one of the top 200 most susceptible lakes in Minnesota to water quality degradation. This proposal would help protect Deer Lake and result in 15 landowner projects, consisting of buffer enhancement and low berms to filter run-off, and shoreline erosion stabilization using natural techniques.	\$32,000	\$ -	73.7727
62	C18-0901	Todd SWCD	Todd	Partridge River Watershed Pit Closures	The purpose of this project is to reduce nutrient loading by providing cost share funding to landowners to close ten failed agricultural waste pits. Over 100 pounds of phosphorus would be reduced as a result.	\$130,536	\$ -	72.8182
63	C18-5268	Morrison SWCD	Morrison	2018 Phosphorus/Nitrate Reduction - Drinking Water Focus Project	The prioritized and targeted work area for this proposal is the City of Little Falls-Mississippi River, Swan River, Platte River, and Skunk River. The purpose of this project is reduce nutrient loading by installing 6 manure stacking slabs eastimated to reduce approximately 2,850 pounds of nitrogen and 306 pound of phosphorus each year. In addition, costshared cover crops on 16 riparian fields will result in a reduction of 3,600 pounds of nitrogen and 120 pounds of phosphorus being reduced. This project will also cost-share up to 40 reverse osmosis water treatment systems within townships showing unsafe levels of nitrates in the residential wells.	\$369,000	\$ -	72.3636
64	C18-5564	Eagan, City of	Hennepin	Eagan Municipal Center Campus Stormwater BMPs Demonstration Project	The City of Eagan is proposing to implement an extensive water quality capital improvement project that includes a variety of best management practices (BMPs) at the Municipal Center Campus. The BMPs will include rain gardens, biofiltration basins, bioinfiltration basins, permeable paving, and stormwater tree trenches, all designed not only to protect two nearby priority lakes but also to educate the public and demonstrate practical landscaping techniques that improve and protect surface water quality. The project is estimate to remove 9 pounds of	\$500,000	\$ -	71.8636
65	C18-7901	Chisago SWCD	Chisago	2018 Implementation of BMPs Identified in the Lower Sunrise River Gully Inventory	The Sunrise River has been identified as the third largest contributor of phosphorus to Lake St. Croix. In order to meet the Lake St. Croix Total Maximum Daily Load, a 33% reduction in phosphorus must be achieved in the Sunrise River watershed. An inventory of actively eroding gullies and streambanks was completed along the Sunrise River. This project will result in the implementation of at least 2 gully or streambank stabilization projects, and more if the budget allows. With the BMPs, at least 50 pounds of phosphorus will be prevented from entering the Sunrise River and the St. Croix River.	\$100,000	\$ -	70.5455
66	C18-4169	Carver County	Carver	West Chaska Creek Restoration Re-Meander	The project will re-meander approximately 1,100 linear feet of a ditched segment of West Chaska Creek. Lengthening the channel will reduce water speeds, lower sheer stress on the banks, reconnect the stream to its floodplain, and reduce the amount of sediment transported downstream. Based on upstream reference reaches and changes observed since the stream was straightened, the re-meander project will reduce total suspended solids by an estimated 4,400 pounds per year for 30 years.	\$200,000	\$ -	69.7273
67	C18-7439	Chisago SWCD	Chisago	2018 Implementation of BMPs in the Chisago Lakes Chain of Lakes Watershed	This continuation project targeting the Chisago Chain of Lake will result in the implementation of at least 15 additional urban or rural BMPs with an estimated pollution reduction of at least 75 pounds per year.	\$250,000	\$ -	68.8182

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68	C18-3436	South Washington WD	Washington	SWWD Schools for Clean Water	Working with South Washington County Schools and Kids 4 Conservation, the Watershed District will retrofit existing school campuses and provide in-class curriculum to District 5th Graders. The requested funding will enable an expansion of current efforts to four schools. Expected water quality benefits include up to 12 pounds of total phosphorus and 1 ton of sediment removed from City stormwater systems draining to the Mississippi River. The partnerships will also deliver in-class curriculum to over 400 5th graders within the participating schools. That	\$200,000	\$ -	68
69	C18-5830	Hubbard SWCD	Hubbard	Long Lake Enhance & Protection Project	This project will improve surface water quality by constructing three major storm-water treatment areas along the shores of Long Lake. Approximately 39 practices will be installed with this proposal which will reduce the total phosphorus by 13 pounds per year and sediment by 500 tons per year. Installation of the most effective BMP's will result in the most cost efficient methods in reducing measurable sediment and phosphorus loads to Long Lake and the Crow Wing River watershed.	\$330,000	\$ -	64.2727
70	C18-5622	Carnelian-Marine-St. Croix WD	Washington	Willowbrook Trout Stream Protection Initiative	Willowbrook is DNR designated trout stream in Washington County with national historic significance as the site of a presidential visit by Calvin Coolidge in the 1920s. Human impacts have degraded the stream channel significantly, with the particular changes made from a highway reconstruction project in the mid 90s leading to an increased stream width from stormwater flows. The District will work with MN DOT, who has agreed to provide easements to their ROW, and build practices to reduce flow rate, increase infiltration and reduce thermal impacts	\$146,000	\$ -	63.5