

Heron Lake Watershed District

2022 Annual Plan and Budget



**WATERSHED
ASSISTANCE
THROUGH
EDUCATION &
RESOURCES**

H  **HERON LAKE WATERSHED DISTRICT**

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Heron Lake Watershed District

2022 Annual Plan

WATER QUALITY IMPROVEMENT PROGRAM

SURFACE WATER MONITORING

The Heron Lake Watershed District (HLWD) Watershed Management Plan (WMP) described the estimated annual surface water monitoring efforts, contingent upon adequate funding, as:

- Collecting water samples on Jack Creek, Okabena Creek, and the Heron Lake Outlet
- Collecting water samples on the Graham Lakes, Fulda Lakes, and Heron Lakes
- Analyzing water samples for total suspended solids, total phosphorus, orthophosphorus, ammonia nitrogen, nitrate-nitrite, total Kjeldahl nitrogen, E. coli, chlorophyll A, conductivity, dissolved oxygen, temperature, and pH.

Anticipated 2022 Activities:

- Collect 20 stream samples on Jack Creek, Okabena Creek, and the Heron Lake Outlet
- Submit data to Minnesota Valley Testing Laboratories for analysis
- Analyze stream samples for total suspended solids, total phosphorus, orthophosphorus, ammonia nitrogen, nitrate-nitrite, total Kjeldahl nitrogen, E. Coli, dissolved oxygen, conductivity, pH, and temperature
- Compile data and submit to Minnesota Pollution Control Agency
- HLWD Staff Wages and Benefits

BEST MANAGEMENT PRACTICES (BMP) IMPLEMENTATION

The HLWD WMP described the estimated annual projects, contingent upon adequate funding, as:

- Filter strips – 200 acres
- Grassed waterways – 3 projects
- Terraces – 10 terraces
- Shoreline restoration – 1 project
- Rain gardens – 1 project
- Septic systems – 20 systems
- Well sealing – 5 projects
- Stream restoration – 2 projects
- Cover crop establishment – 200 acres

Anticipated 2022 Activities:

- Streambank stabilization – 1
- Cover crop side by side trials-4 counties
- Clean Water Partnership low interest loans for septic system replacements - 5
- Cottonwood, Jackson, and Heron Lake Pollinator Partnership
- Des Moines River Watershed One Watershed, One Plan
- HLWD Staff Wages and Benefits

IMPAIRED WATERS AND TOTAL MAXIMUM DAILY LOAD

The HLWD WMP described the estimated annual efforts, contingent upon adequate funding, as:

- Monthly assistance for partners during project design and installation during the field season
- Monthly assistance for partners for education efforts as needed
- Two grant applications
- Twelve monthly project updates

Anticipated 2022 Activities:

- Watershed Restoration and Protection Strategies Report review
- HLWD Staff Wages and Benefits

REGULATORY AND PERMIT PROGRAM

PERMITS AND NOTIFICATION

The HLWD WMP described the estimated annual aspects of the regulatory program, contingent upon adequate funding, as:

- Permits - 5
- Notifications - 75

Anticipated 2022 Activities:

- Permits - 5
- Notifications – 12
- HLWD Staff Wages and Benefits

FLOOD DAMAGE REDUCTION PROGRAM

FLOOD DAMAGE REDUCTION PROGRAM

The HLWD WMP described the estimated annual projects, contingent upon adequate funding, as:

- Wetland restorations – 10 acres
- Alternative tile intakes – 10 intakes
- Sediment basins – 2 projects

Anticipated 2022 Activities:

- Heron Lake Area Conservation Partnership easement and fee title acquisition
- HLWD Conservation Technician wages and benefits

PUBLIC DRAINAGE SYSTEM MANAGEMENT PROGRAM

PUBLIC DRAINAGE SYSTEM MANAGEMENT PROGRAM

The HLWD WMP described the estimated annual details of the Public Drainage System Management Program, contingent upon adequate funding, as:

- Work with county drainage authorities, county engineers, and watershed landowners to:
 - Identify water quality improvement and water storage capacity projects within drainage systems
 - Develop project
 - Research project funding

Anticipated 2022 Activities:

- Continued efforts as required through Minnesota Statutes 103D and 103E for the following drainage systems:
 - Jackson County JD 14 Improvement
 - Jackson County JD 3 Improvement
 - Jackson County JD 36 Improvement
 - HLWD Project 2 Improvement
 - HLWD Projects 4 and 84-4A Reestablishment of Records
 - HLWD Project 6 Redetermination of Benefits
- Implement Clean Water Fund Grants for JD 3
- HLWD Staff Wages and Benefits

CAPITAL IMPROVEMENT PROJECTS

The HLWD WMP described the estimated annual details of implementing capital improvement projects, contingent upon adequate funding, as:

- Project identification/location
- Landowner contact
- Preliminary engineering / feasibility studies
- Research project funding
- Project construction

Anticipated 2022 Activities:

- Update HLWD WMP to include Capital Improvement Projects
- HLWD Staff Wages and Benefits

PROGRAMS

GENERAL OPERATIONS

The HLWD WMP described the estimated annual general operations as:

- Monthly lease payment
- Monthly office expenses
- Legal fees
- Annual audit
- HLWD Board of Managers per diem
- HLWD Staff Wages and Benefits

Anticipated 2022 Activities:

- Continued implementation of the above-listed items
- HLWD Staff Wages and Benefits

EDUCATION

The HLWD WMP described the estimated annual education efforts, contingent upon adequate funding, resident interest, pertinent topic and speaker availability, as:

- Two workshops
- One tour
- Twelve monthly newsletters
- One annual report

Anticipated 2022 Activities:

- Website
- Annual newsletter, with quarterly email newsletters
- Regular reports to local and state agencies
- Regular meetings with HLWD Advisory Committee
- Reporting as required in grant work plans
- HLWD Staff Wages and Benefits

Heron Lake Watershed District 2022 Annual Budget – General Operating Levy

	General Operating Levy & Reserve Funds - 2022
WATER QUALITY IMPROVEMENT PROGRAM*	
BMP Implementation Program	
BMP Cost-Share and Monitoring Program**	\$ -
Engineering	\$ -
Travel	\$ 4,000.00
Vehicle Expense	\$ 2,000.00
Reinvest In Minnesota Easement	\$ -
CWP Low Interest Loan Program	See 2022 Grant Information
South Heron Lake TMDL Implementation EPA 319	
South Heron Lake TMDL Implementation Phase 2	
South Heron Lake TMDL Implementation Phase 3	
Cottonwood, Jackson, Heron Lake Pollinator Partnership	
Heron Lake Area Conservation Partnership	
County Assessment/Maintenance Fee	\$ -
Watershed Management Plan Update	\$ -
HLWD Staff	\$ 30,933.49
Subtotal	\$ 36,933.49
Surface Water Monitoring**	
Monitoring Program - DNR Contract	\$ 11,380.00
Shipping and Ice	\$ 500.00
Sample Analysis	\$ 9,800.00
Supplies	\$ -
HLWD Staff	\$ 11,274.74
Subtotal	\$ 32,954.74
Impaired Waters and TMDL	
HLWD Staff	\$ 878.08
Subtotal	\$ 878.08
Flood Damage Reduction Program	
HLWD Staff	\$ -
Subtotal	\$ -
Regulatory and Permits	
HLWD Staff	\$ 704.67
Subtotal	\$ 704.67

Public Drainage System Management	
Jackson County Ditch #3	\$ -
Jackson County JD #3	\$ -
Jackson County JD #14	\$ -
Jackson County JD #19	\$ -
Jackson County JD #30	\$ -
Jackson County JD #36	\$ -
HLWD Project 2	\$ -
HLWD Project 4	\$ -
HLWD Project 6	\$ -
HLWD Project 84-4A	\$ -
HLWD Staff	\$ 15,805.40
Subtotal	\$ 15,805.40
Capital Improvement Projects (Water Management District)	
HLWD Staff	\$ -
Subtotal	\$ -
IMPLEMENTATION PROGRAM	
General Operations	
Advertising/Notices	\$ 200.00
Dues***	\$ 6,030.00
Insurance	\$ -
Lease Payment	\$ 6,600.00
Legal Fees	\$ 3,517.61
Miscellaneous	\$ -
Office Supplies	\$ 2,500.00
Postage	\$ 800.00
Professional Services	\$ 5,100.00
Telephone	\$ 1,400.00
Board of Managers	\$ 16,147.50
HLWD Staff	\$ 19,848.97
Subtotal	\$ 62,144.08
Education	
Annual Report	\$ 1,700.00
Conferences	\$ 8,000.00
Annual Newsletter	\$ 1,500.00
Website	\$ 250.00
MDA Soil Temperature & Moisture	\$ -
HLWD Cover Crop Research Plots	\$ 7,000.00
PEBC Tour/Education Event	\$ -
HLWD Staff	\$ 82,129.54
Subtotal	\$ 100,579.54
TOTAL	\$ 250,000.00

Heron Lake Watershed District 2022 Annual Budget – Grants

	CWP LOW INTEREST LOAN PROGRAM	HERON LAKE AREA CONSERVATION PARTNERSHIP	SOUTH HERON LAKE TMDL IMPLEMENTATION PHASE 2
GOAL	Reduce nonpoint source pollution loads through 30 septic system replacements	Permanently protect 402 acres of prairie and wetlands through easements and fee-title land acquisition. Partnered with Ducks Unlimited, Pheasants Forever, and Minnesota Land Trust.	On JD 3 Improvement Project; Install 11 water and sediment control basins and create a 10-acre storage and treatment wetland
GRANT ENTITY	MPCA	Lessard-Sams Outdoor Heritage Council (LSOHC)	BWSR
TIMEFRAME	July 2020 - June 2023	July 01, 2020 - June 30, 2024	April 01, 2019 - June 30, 2022
FUNDS	\$ 450,000.00	\$ 4,493,000.00	\$ 31,500.00
CASH MATCH	\$ -	\$ 159,400.00	\$ 126,500.00
LOCAL INKIND MATCH	\$ 9,650.00	\$ -	\$ -
TOTAL PROJECT COSTS	\$ 459,650.00	\$ 4,652,400.00	\$ 158,000.00
ASSUMED YEARLY EXPENDITURES	\$ 153,216.67	\$ 1,163,100.00	\$ 52,666.67

	SOUTH HERON LAKE TMDL IMPLEMENTATION PHASE 3	COTTONWOOD, JACKSON, HERON LAKE POLLINATOR PARTNERSHIP
GOAL	On JD 3 Improvement Project; Install 15 alternative side inlets, create a 4.2 acre wetland restoration site. On JD 14 Improvement Project: Install 4 alternative side inlets	Install 50-70 new pollinator plots throughout Cottonwood and Jackson counties through a partnership between HLWD, Cottonwood SWCD, and Jackson SWCD.
GRANT ENTITY	BWSR	BWSR
TIMEFRAME	2020-2024	2020-2024
FUNDS	\$ 43,000.00	\$ 29,500.00
CASH MATCH	\$ 70,300.00	\$ 7,375.00
LOCAL INKIND MATCH	\$ -	\$ -
TOTAL PROJECT COSTS	\$ 113,300.00	\$ 36,875.00
ASSUMED YEARLY EXPENDITURES	\$ 28,325.00	\$ 9,218.75