



Clean Water Infrastructure Projects 2023 - 2024

Investing in cleaner water for Maine's communities since 1987



Photo by: Mainly Maine Photography ©



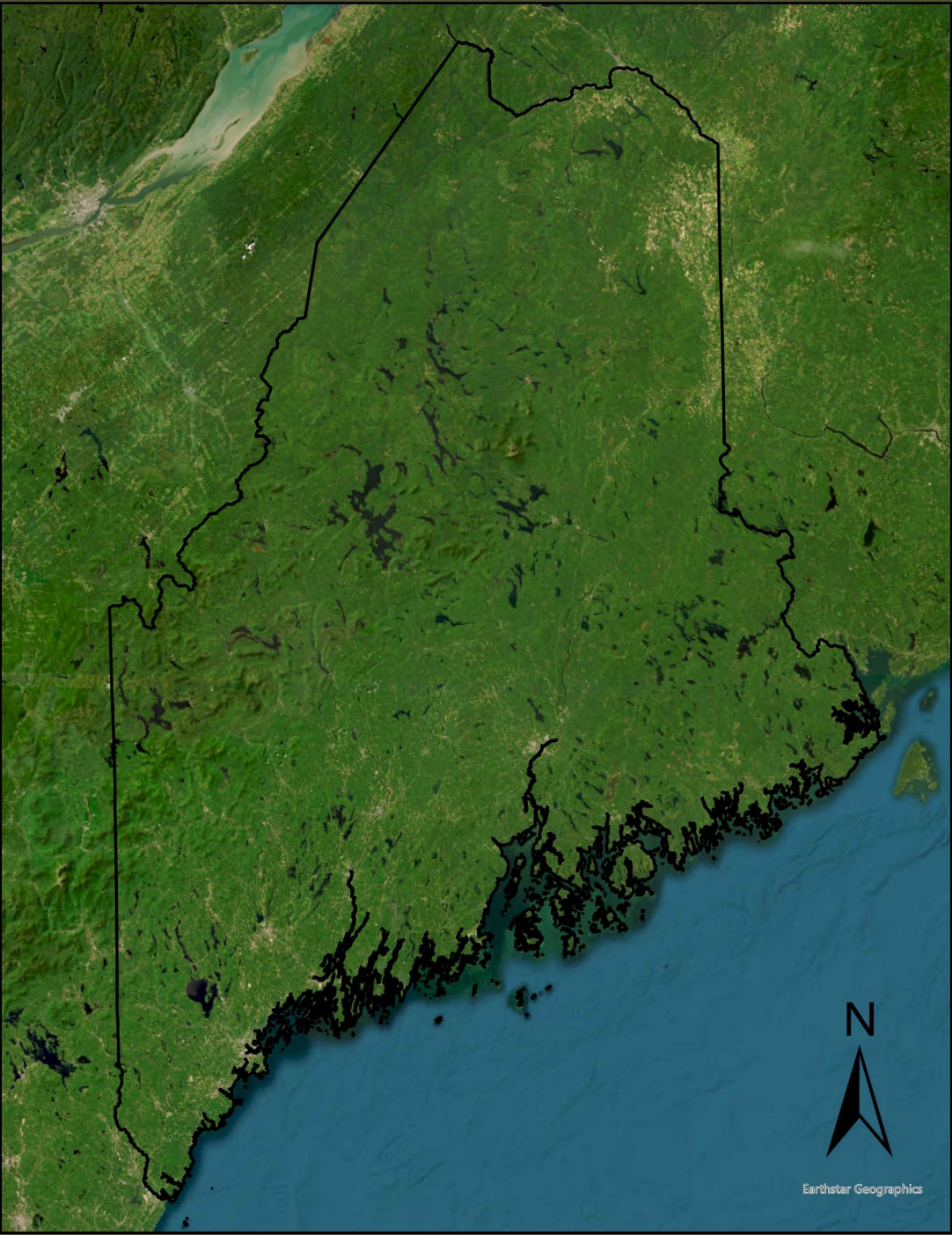
Together, America Prospers



Northern Border
Regional Commission



FUNDING PARTNERS



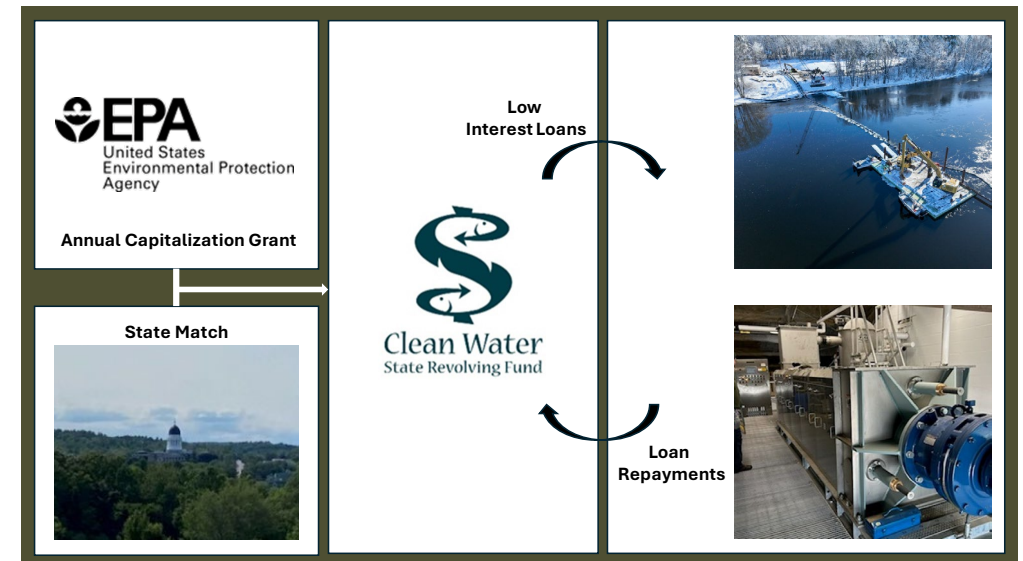
EXECUTIVE SUMMARY

MAINE'S CLEAN WATER STATE REVOLVING FUND

The Clean Water State Revolving Fund (CWSRF or SRF) is a major source of below market rate financing for publicly owned wastewater treatment facilities and other municipal projects intended to protect and improve the quality of surface and ground water. The CWSRF provides interim and long-term funding for projects at or below the municipal tax-exempt rate. SRF loans may be obtained for projects such as planning, design, and construction of wastewater collection systems; sewer system separation and upgrades; wastewater pumping station construction and improvements; reduction, treatment, or elimination of combined sewer overflows; wastewater treatment facility construction, improvement, or upgrading; wastewater outfalls; sludge treatment and disposal systems; non-point source (NPS) pollution abatement; landfill closures; sand/salt sheds; emerging contaminants (EC) and the development of Fiscal Sustainability Plans (FSP) and Climate Adaptation Plans (CAP). The Department reviews and approves potential projects for SRF eligibility. Under certain circumstances the SRF program may also benefit communities by refinancing pollution control projects that have already been constructed and financed by another agency.

The CWSRF was created in 1987 under Title VI of the Federal Water Pollution Control Act (a.k.a. Clean Water Act) with the purpose of establishing a water pollution control revolving fund for providing assistance for construction of publicly owned treatment works, implementing nonpoint source management programs, and implementing conservation and management plans in National Estuary watersheds. Under this authority the state receives federal capitalization grants from the Environmental Protection Agency (EPA) to fund the program. These grants must be matched with a 20% state share. These funds, plus the interest and principal repayments from previous loans, are loaned to eligible borrowers at a low interest rate for a maximum term of 30 years, or the useful life of the project, whichever is less. Changes to the program in 2009 have allowed for some of the loan principal to be forgiven, i.e. not paid back or grant-like funding.

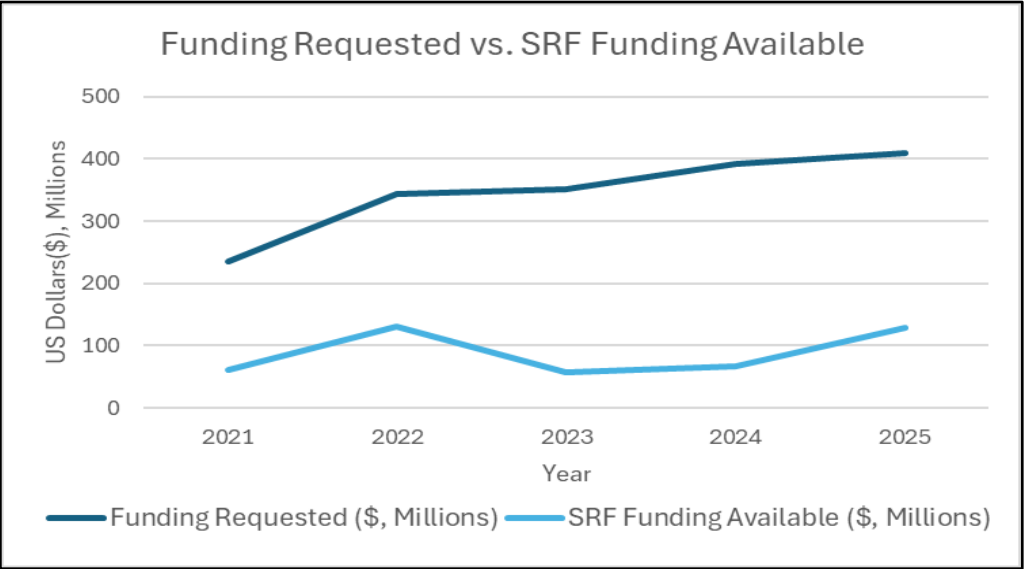
Federal fiscal year 1989 (FFY 1989) marked the beginning of Maine's transition from a grant program to fund water quality improvement projects to a program financed by the SRF. The Maine Municipal Bond Bank (MMBB) is the financial manager of Maine's CWSRF, and the Department of Environmental Protection (DEP) administers the technical aspects of the program and the individual projects funded by it.

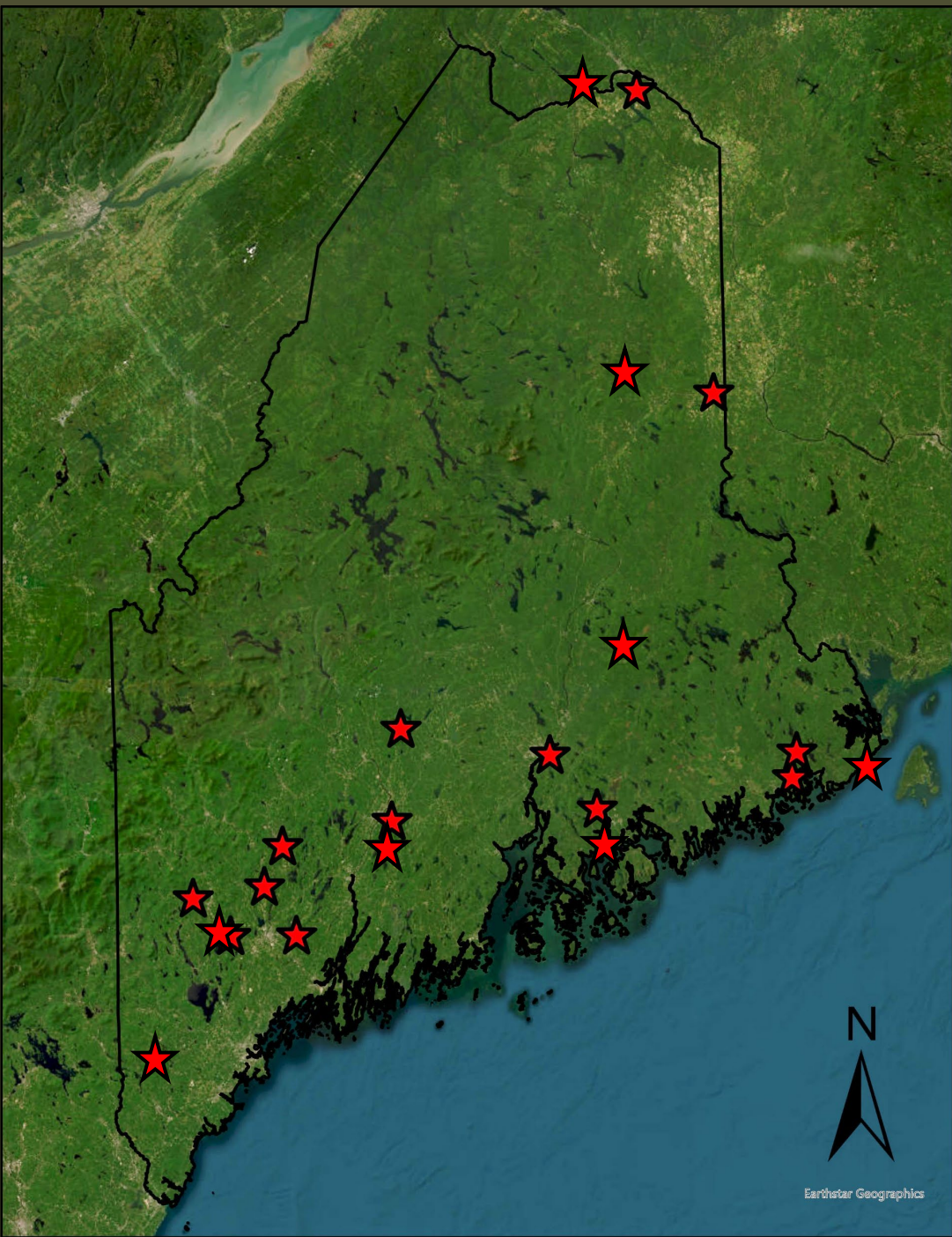


Every year, the Department solicits projects from municipalities, quasi municipalities and districts. The projects are then ranked, and a funding matrix is used to determine offers of principal forgiveness and loan funds. For FFY 2023, the Department received funding requests for 76 projects (61 Infrastructure, 8 Standalone FSP or CAP, and 5 EC) from loan applicants totaling **\$351M**, (\$322M, \$260K, \$29M, respectively), plus **\$3.6M** in the Maine Forest Direct Link Program commitment. The final accepted funding offers totaled **\$57M** and included **\$11M** in loan principal forgiveness.

For FFY 2024, the Department received funding requests for 66 projects (53 Infrastructure, 6 Standalone FSP or CAP, 3 EC and 4 SW/NPS) from loan applicants totaling **\$392M**, (\$363M, \$250K, \$29M and \$200K respectively), plus **\$4.3M** in the Maine Forest Direct Link Program commitment. After the final ranking, the Department made offers, pending available funding, to applicants. The final accepted funding offers totaled **\$67M** and included **\$12M** in loan principal forgiveness.

The Department and the MMBB continue to look for ways to bridge the funding gap and prudently finance as many of these environmentally important projects as possible. Through the 2022 EPA Clean Watersheds Needs Survey (CWNS), an assessment of the capital investment needed for publicly-owned wastewater collection and treatment facilities to meet the water quality goals of the Clean Water Act, was conducted. For the State of Maine, just over **\$3.1B** in needs were identified. The single largest need category was decentralized wastewater treatment systems at **\$769M**. The decentralized needs primarily account for the costs associated with individual subsurface systems (septic systems) used widely throughout the state. Combined municipal wastewater needs (treatment, conveyance, CSO) totaled **\$1.7B**. Out of the 185 survey requests for Maine, 170 responses were received, a 92% participation rate. EPA expects to do the next survey beginning in 2026.





2023 PROJECTS

2023 PROJECTS

Brewer

Oak Grove Sewer Remediation3

East Machias

Treatment System Upgrade4

Ellsworth

Biosolids Processing System Update.....5

Hartland

Wastewater Treatment Process Upgrade-Phase 26

Houlton Water Company

Tractor Purchase7

Livermore Falls

Wastewater Treatment Plant Upgrades.....8

Machias

South Side Pump Station Installation.....9

Madawaska

WWTF and Collection System Upgrades10

Maine School Administrative District #52

Wastewater Treatment Facility Replacement.....11

Mechanic Falls Sanitary District

CSO and Safety Improvements.....12

Maine Rural Water Association

Training and Response Trailer.....13

Norway Paris Solid Waste

Frost Hill Landfill Closure14

Sabattus Sanitary District

Wastewater Treatment Plant Upgrades.....15

Winslow

Chaffee Brook Pump Station Upgrades.....16

2024 Projects.....17



APPLICANT'S NAME: CITY OF BREWER

PROJECT NAME: OAK GROVE SEWER REMEDIATION

CWSRF FUNDING AMOUNT: \$982,000

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$2,085,000

OTHER FUNDING SOURCES: ENVIRONMENTAL PROTECTION AGENCY-CONGRESSIONALLY DIRECTED SPENDING

CONSTRUCTION PROGRESS: LESS THAN 10 %, THE CONTRACTOR IS MOBILIZED TO THE SITE AND HAS STARTED PREPPING FOR INSTALLATION.

POPULATION: 8,478

WATER QUALITY IMPACT: IMPROVE WATER QUALITY BY REDUCING UNTREATED COMBINED SEWER DISCHARGE TO THE PENOBSCOT RIVER DURING STORM EVENTS, THEREBY PROTECTING AQUATIC ECOSYSTEMS AND PROMOTING A HEALTHY ENVIRONMENT FOR RECREATIONAL ACTIVITIES.

PROJECT DESCRIPTION: REPLACE THE SANITARY SEWER INFRASTRUCTURE IN THE OAK GROVE SEWER SUBSYSTEM TO IMPROVE SYSTEM RELIABILITY.





APPLICANT'S NAME: TOWN OF EAST MACHIAS

PROJECT NAME: EAST MACHIAS TREATMENT SYSTEM UPGRADE

CWSRF FUNDING AMOUNT: \$277,000

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$563,587

OTHER FUNDING SOURCES: MAINE STATE GRANT

CONSTRUCTION PROGRESS: COMPLETE

POPULATION: 250

WATER QUALITY IMPACT: PROVIDES CONSISTENT DISINFECTION OF SYSTEM EFFLUENT

PROJECT DESCRIPTION: THIS PROJECT INCLUDED IMPROVEMENTS TO THE TOWN'S DECENTRALIZED TREATMENT UNITS AT THE EAST MACHIAS POST OFFICE AND MILL PARK SITES AS WELL AS THE PUMP STATIONS LOCATED ON ELM STREET AND RANDALL LOOP.

INSTALLATION OF A CHLORINATION/DE-CHLORINATION SYSTEM, PUMP STATION, HIGH-LEVEL ALARM, AND HYDRAULIC IMPROVEMENTS WERE COMPLETED AT THE POST OFFICE TREATMENT SITE. ACCESSIBILITY AND SAFETY IMPROVEMENTS AT THE MILL PARK TREATMENT SITE, ELM STREET AND RANDALL LOOP PUMP STATIONS WERE ALSO COMPLETED.



APPLICANT'S NAME: CITY OF ELLSWORTH

PROJECT NAME: BIOSOLIDS PROCESSING SYSTEM UPDATE

CWSRF FUNDING AMOUNT: \$475,000

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$3,515,000

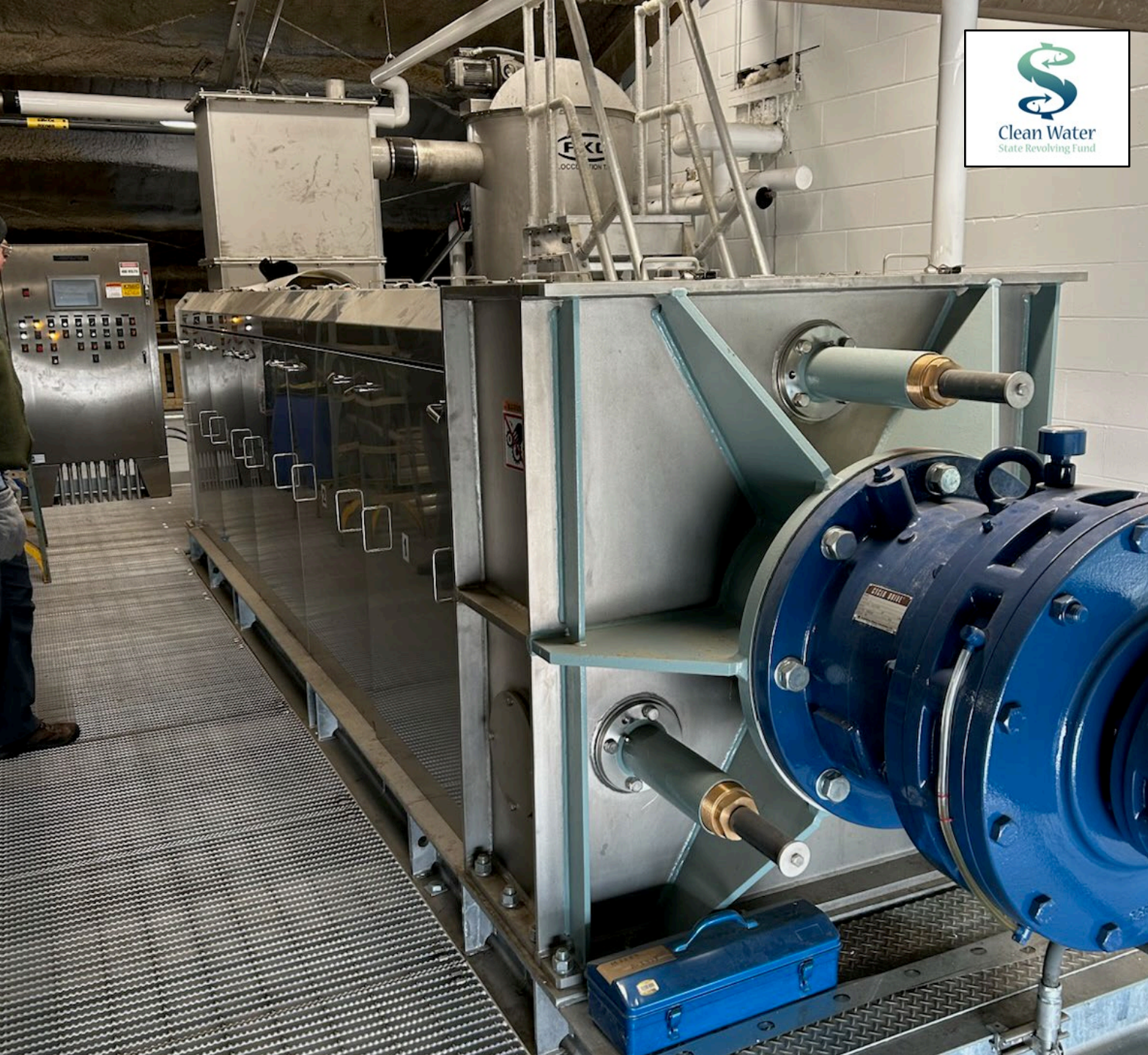
OTHER FUNDING SOURCES: NONE

CONSTRUCTION PROGRESS: FEASIBILITY ASSESSMENT & DESIGN

POPULATION: 2,266

WATER QUALITY IMPACT: THIS PROJECT WILL FOCUS ON ADDRESSING EMERGING CONTAMINATES KNOWN AS PFAS (COMMONLY REFERRED TO AS FOREVER CHEMICALS) IN SLUDGE WHICH IS NO LONGER LEGAL TO APPLY TO LAND AS FERTILIZER HERE IN MAINE. COLLECTION, TREATMENT AND DISPOSAL OF CONTAMINATED SLUDGE WILL REDUCE IMPACTS OF CONTAMINATED SLUDGE ON LOCAL WATERBODIES THROUGH DECREASED EXPOSURE TO GROUNDWATER AND RUNOFF.

PROJECT DESCRIPTION: UPGRADE BIOSOLIDS PROCESSING SYSTEM TO ACCOMMODATE PFAS-CONTAINING BIOSOLIDS HAULED FROM ACROSS THE REGION.



APPLICANT'S NAME: TOWN OF HARTLAND

**PROJECT NAME: WASTEWATER TREATMENT PROCESS UPGRADE-
PHASE 2**

CWSRF FUNDING AMOUNT: \$3,989,887

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$12,057,483

OTHER FUNDING SOURCES: UNITED STATES DEPARTMENT OF AGRICULTURE RURAL DEVELOPMENT, COMMUNITY DEVELOPMENT BLOCK GRANT, NORTHERN BORDERS REGIONAL COMMISSION, US ECONOMIC DEVELOPMENT ADMINISTRATION, MAINE STATE GRANT

CONSTRUCTION PROGRESS: PHASE 2-COMPLETE

POPULATION: 689

WATER QUALITY IMPACT: THE QUALITY OF THE PLANT EFFLUENT IS AN IMPORTANT FACTOR IN MAINTAINING THE WATER QUALITY CLASSIFICATION STANDARD OF THE SEBASTICOOK RIVER. LOW FLOWS DURING THE SUMMER MONTHS CAN AMPLIFY THE EFFECTS OF THE DISCHARGE ON THE RIVER.

PROJECT DESCRIPTION: THE PURPOSE OF THIS PROJECT WAS TO UPGRADE THE EXISTING MUNICIPAL WASTEWATER FACILITY TO ADDRESS FAILING INFRASTRUCTURE, IMPROVE WASTEWATER TREATMENT AND PROTECT WATER QUALITY. MOST OF THE WASTEWATER TREATMENT PROCESSES AT THE FACILITY REQUIRED UPGRADE AND MODIFICATION DUE TO THE AGE OF THE EQUIPMENT AND/OR THE REDUCTION OF INFLUENT FLOWS AND LOADS FROM THE TASMAN LEATHER GROUP TANNERY CLOSURE.



APPLICANT'S NAME: HOULTON WATER COMPANY

PROJECT NAME: TRACTOR PURCHASE

CWSRF FUNDING AMOUNT: \$146,000

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$146,000

OTHER FUNDING SOURCES: NONE

CONSTRUCTION PROGRESS: COMPLETE

POPULATION: 6,500

WATER QUALITY IMPACT: THE HOULTON WATER COMPANY DRIES THEIR SLUDGE TO REDUCE THE VOLUME THAT NEEDS TO BE LANDFILLED.

PROJECT DESCRIPTION: TRACTOR PURCHASED TO USE DURING THE SUMMER FOR GRASS CUTTING AND DURING THE WINTER TO BREAK UP FREEZE DRIED SLUDGE.



Photo by: HWC



APPLICANT'S NAME: TOWN OF LIVERMORE FALLS

PROJECT NAME: WASTEWATER TREATMENT PLANT UPGRADES

CWSRF FUNDING AMOUNT: 2023- \$2,100,000 (INCLUDING PF)

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$17,000,000

OTHER FUNDING SOURCES: UNITED STATES DEPARTMENT OF AGRICULTURE RURAL DEVELOPMENT, AMERICAN RESCUE PLAN ACT, ENVIRONMENTAL PROTECTION AGENCY-CONGRESSIONALLY DIRECTED SPENDING

CONSTRUCTION PROGRESS: NEARING END OF MILESTONE 1

POPULATION: 2,165 (3,845 WHEN INCLUDING N. JAY CONTRIBUTION TO FLOW)

WATER QUALITY IMPACT: THE REPLACED AND IMPROVED INFRASTRUCTURE WILL ALLOW THE FACILITY TO BETTER TREAT WASTE, AND ALLOW FOR DECADES OF CONTINUED RELIABLE SERVICE

PROJECT DESCRIPTION: EXTENSIVE UPGRADE OF AN AGING SYSTEM, INCLUDING SLUDGE HOLDING TANK, CHLORINE CONTACT TANK, PRIMARY CLARIFIERS, AND PROCESS BUILDING AND SITE IMPROVEMENTS. OTHER IMPROVEMENTS INCLUDE WORK ON SOLIDS HANDLING, ODOR CONTROL, AND A WASH PRESS IN THE HEADWORKS.



APPLICANT'S NAME: TOWN OF MACHIAS

PROJECT NAME: SOUTH SIDE PUMP STATION INSTALLATION

CWSRF FUNDING AMOUNT: \$183,500 (2017), \$785,440 (2023) – USING UP REMAINING FUNDS FROM AN OLDER, COMPLETED PROJECT

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$3,595,440

OTHER FUNDING SOURCES: COMMUNITY DEVELOPMENT BLOCK GRANT, AND MAINE STATE GRANT

CONSTRUCTION PROGRESS: PROJECT IS MOSTLY COMPLETE AND MINIMAL WORK REMAINS.

POPULATION: 2,060

WATER QUALITY IMPACT: THIS PROJECT WILL GREATLY REDUCE OR ELIMINATE COMBINED SEWER OVERFLOW DISCHARGE TO THE MACHIAS RIVER, WHICH IS LOCATED ABOVE A PRODUCTIVE SHELL FISHING AND BEACH AREA.

PROJECT DESCRIPTION: REPLACEMENT OF THE TOWN'S CURRENT SIPHON PIPES UNDER THE MACHIAS RIVER WITH A NEW PUMP STATION AND FORCE MAIN.



APPLICANT'S NAME: TOWN OF MADAWASKA

PROJECT NAME: WWTF & COLLECTION SYSTEM UPGRADES

CWSRF FUNDING AMOUNT: \$1,000,000

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$7,300,000

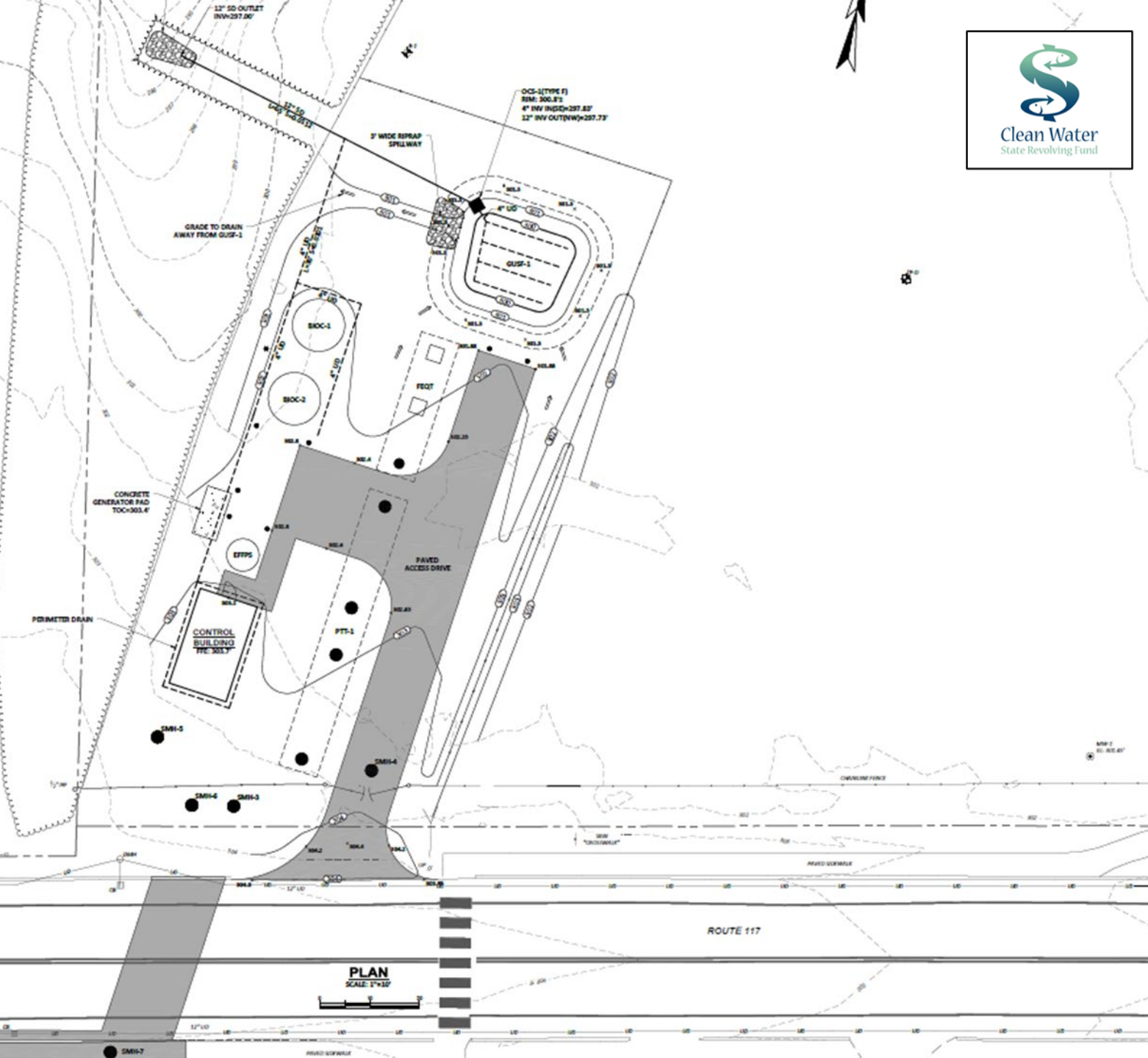
OTHER FUNDING SOURCES: NONE

CONSTRUCTION PROGRESS: PURSUING ADDITIONAL FUNDING

POPULATION: 4,600

WATER QUALITY IMPACT: ADDITIONAL UPGRADES TO THE WASTEWATER TREATMENT FACILITY (WWTF) AND COLLECTION SYSTEM ARE NEEDED TO PREPARE FOR THE CLOSURE OF ONE COMBINED SEWER OVERFLOW (CSO) OUTFALL AND RECLASSIFICATION OF ANOTHER CSO OUTFALL. THESE UPGRADES HAVE THE POTENTIAL TO REDUCE PUBLIC HEALTH RISK AND ENVIRONMENTAL DEGRADATION DUE TO CSO DISCHARGES INTO THE ST. JOHN RIVER.

PROJECT DESCRIPTION: IMPROVEMENTS AT THE WWTF INCLUDE STRUCTURAL UPGRADES, AND REPAIR/REPLACEMENT/UPGRADES OF EQUIPMENT. COLLECTION SYSTEM WORK INCLUDES CCTV INSPECTIONS, REPLACEMENT OF GRAVITY SEWER MAIN AND MANHOLES, OUTFALL EROSION CONTROL AND REPLACEMENT OF DETERIORATING CSO PIPING AND A CSO STORAGE TANK.



APPLICANT'S NAME: MAINE SCHOOL ADMINISTRATIVE DISTRICT #52

PROJECT NAME: WASTEWATER TREATMENT FACILITY REPLACEMENT

CWSRF FUNDING AMOUNT: \$191,000 (+\$1,612,000 FROM 2020 IUP)

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$2,212,000

OTHER FUNDING SOURCES: ENVIRONMENTAL PROTECTION AGENCY-CONGRESSIONALLY DIRECTED SPENDING, DISTRICT RESERVE FUNDS

CONSTRUCTION PROGRESS: CONTRACT WAS AWARDED JAN. 2025, WITH CONSTRUCTION TO START IN LATE SPRING.

POPULATION: 1,700

WATER QUALITY IMPACT: THIS FACILITY IS AN OVERBOARD DISCHARGE (OBD) TO THE NEZINSCOT RIVER. UPGRADING THE TREATMENT FACILITY WILL IMPROVE THE QUALITY OF THE DISCHARGED EFFLUENT.

PROJECT DESCRIPTION: THE EXISTING FACILITY IS AT THE END OF ITS USEFUL LIFE, AND THIS PROJECT WILL REPLACE IT WITH A NEW TREATMENT SYSTEM. SUBSURFACE DISPOSAL TO GROUNDWATER WAS EVALUATED AS AN ALTERNATIVE TO REPLACE THE OVERBOARD DISCHARGE, BUT NO SUITABLE LOCATIONS WERE FOUND. WHILE THE OBD WILL REMAIN, THE NEW SYSTEM WILL PRODUCE CLEANER EFFLUENT, PROTECTING WATER QUALITY IN THE NEZINSCOT RIVER.



APPLICANT'S NAME: MECHANIC FALLS SANITARY DISTRICT

PROJECT NAME: CSO & SAFETY IMPROVEMENTS

CWSRF FUNDING AMOUNT: \$2,880,000

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$4,880,000

OTHER FUNDING SOURCES: ENVIRONMENTAL PROTECTION AGENCY-CONGRESSIONALLY DIRECTED SPENDING

CONSTRUCTION PROGRESS: PROJECT IS CURRENTLY IN DESIGN.

POPULATION: 2,000

WATER QUALITY IMPACT: REDUCE COMBINED SEWER OVERFLOW (CSO) DISCHARGES OF UNTREATED WASTEWATER TO THE LITTLE ANDROSCOGGIN RIVER DURING WET WEATHER EVENTS.

PROJECT DESCRIPTION: REPLACE THE BROKEN AND CRUMBLING SEWERS IN THE CLIFFORD STREET AREA AND RETROFIT THE INFLUENT PUMP STATION TO RESTORE ITS DESIGNED 1.5 MGD CAPACITY. THE EXISTING INFLUENT PUMPS ARE ONLY ACCESSIBLE VIA A 20-FT ELEVATOR INTO THE DRY WELL, WHICH FLOODS DURING HIGH FLOWS. THIS PROJECT WILL REDUCE INFILTRATION OF GROUNDWATER, INCREASE INFLUENT PUMP STATION CAPACITY, AND REMOVE THE ELEVATOR, WHICH IS A MAJOR SAFETY RISK TO OPERATORS. THESE IMPROVEMENTS WILL REDUCE CSO DISCHARGES AT OUTFALL #2, POTENTIALLY AIDING IN ITS FUTURE REMOVAL.

Photo by: MFSD



APPLICANT'S NAME: MAINE RURAL WATER ASSOCIATION

PROJECT NAME: TRAINING AND RESPONSE TRAILER

CWSRF FUNDING AMOUNT: \$35,000

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$250,000

OTHER FUNDING SOURCES: MAINE DRINKING WATER STATE REVOLVING FUND AND STATE OF MAINE EMERGENCY MANAGEMENT AGENCY

CONSTRUCTION PROGRESS: COMPLETE

POPULATION: STATE OF MAINE, 1.4 MILLION

WATER QUALITY IMPACT:

AS OF MAY 2024, THE TRAILER HAD BEEN DISPATCHED TO EIGHT EMERGENCY EVENTS. SUSTAINING WATER/WASTEWATER TREATMENT OPERATIONS IS IMPERATIVE FOR COMPLIANT DISCHARGES TO THE ENVIRONMENT.

PROJECT DESCRIPTION: PROVIDE MAINE'S WATER AND WASTEWATER UTILITIES WITH A RESOURCE DURING EMERGENCIES AND HANDS ON TRAINING OPPORTUNITIES. EMERGENCY RESPONSE CONSISTS OF A VARIETY OF ACTIVITIES, INCLUDING: TECHNICAL SUPPORT, ADDITIONAL STAFFING RESOURCES, SOURCING/SHARING OF EQUIPMENT, AND BEING A LIAISON BETWEEN UTILITIES AND CRITICAL SERVICES OR MATERIAL VENDORS. TRAINING TOPICS, THROUGH VARIOUS PARTNERSHIPS, INCLUDE CHEMICAL INJECTION PUMPS, GENERAL PUMP OPERATIONS AND MECHANICAL EQUIPMENT MAINTENANCE.

Photo by: MRWA



APPLICANT'S NAME: NORWAY PARIS SOLID WASTE

PROJECT NAME: FROST HILL LANDFILL CLOSURE

CWSRF FUNDING AMOUNT: \$650,000

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$650,000

OTHER FUNDING SOURCES: NA

CONSTRUCTION PROGRESS: COMPLETE

POPULATION: 10,200

WATER QUALITY IMPACT: POTENTIAL IMPACT OF LANDFILL LEACHATE ON GROUNDWATER

PROJECT DESCRIPTION: CLOSING THE FROST HILL LANDFILL LOCATED ON ROUTE 117 IN NORWAY, MAINE. THE LANDFILL WAS AN APPROXIMATELY 4.5-ACRE ATTENUATION CONSTRUCTION DEMOLITION DEBRIS (CDD) LANDFILL WITH A 0.85-ACRE INERT FILL DISPOSAL AREA, A YARD WASTE COMPOSTING AREA, A WOOD WASTE CHIPPING AREA AND A STUMP BURNING AREA. THE LANDFILL PROVIDED DISPOSAL CAPACITY FOR THE CDD, WOOD WASTES, AND INERT MATERIALS WHICH COULD NOT BE HANDLED BY THE NPSW TRANSFER STATION. THE LANDFILL WAS STABILIZED AND GRADED, WITH A GAS TRANSMISSION LAYER AND AN EIGHTEEN-INCH FINAL COVER LAYER FOR GRASS GROWTH. WASTE DISPOSAL AT THE LANDFILL CEASED IN 2016. (SOLID WASTE LICENSE # S-020186-WO-G-N)



APPLICANT'S NAME: SABATTUS SANITARY DISTRICT

PROJECT NAME: WASTEWATER TREATMENT PLANT UPGRADES

CWSRF FUNDING AMOUNT: \$500,000

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: DESIGN NOT FINISHED- \$1,000,000 ESTIMATED FOR COMPLETED FINAL DESIGN, AND \$325,000 BIDDING-POST CONSTRUCTION WORK (NOT INCLUDING ACTUAL CONSTRUCTION.) INITIAL OFFER WAS FOR \$500,000, WITH ADDITIONAL FUNDS ADDED IN 2025. COST OF CONSTRUCTION- ESTIMATE AS OF 2023 WAS \$12,000,000

OTHER FUNDING SOURCES: NONE

CONSTRUCTION PROGRESS: N/A

POPULATION: 1,031

WATER QUALITY IMPACT: DECREASE IN PHOSPHORUS BEING RELEASED TO THE SABATTUS RIVER, CONTINUED MEETING OF OTHER STANDARDS

PROJECT DESCRIPTION: DESIGN OF AN UPGRADED AND IMPROVED PROCESS FOR A 40+ YEAR OLD PLANT, INCLUDING TREATMENT FOR PHOSPHORUS TO MEET NEW STANDARDS



APPLICANT'S NAME: THE TOWN OF WINSLOW

PROJECT NAME: CHAFFEE BROOK PUMP STATION UPGRADES

CWSRF FUNDING AMOUNT: \$7,600,000

CWSRF FUNDING YEAR: 2023

TOTAL PROJECT COST: \$8,800,000

OTHER FUNDING SOURCES: ENVIRONMENTAL PROTECTION AGENCY-CONGRESSIONALLY DIRECTED SPENDING, SEWER OVERFLOW AND STORMWATER REUSE MUNICIPAL GRANT, TOWN FUNDING

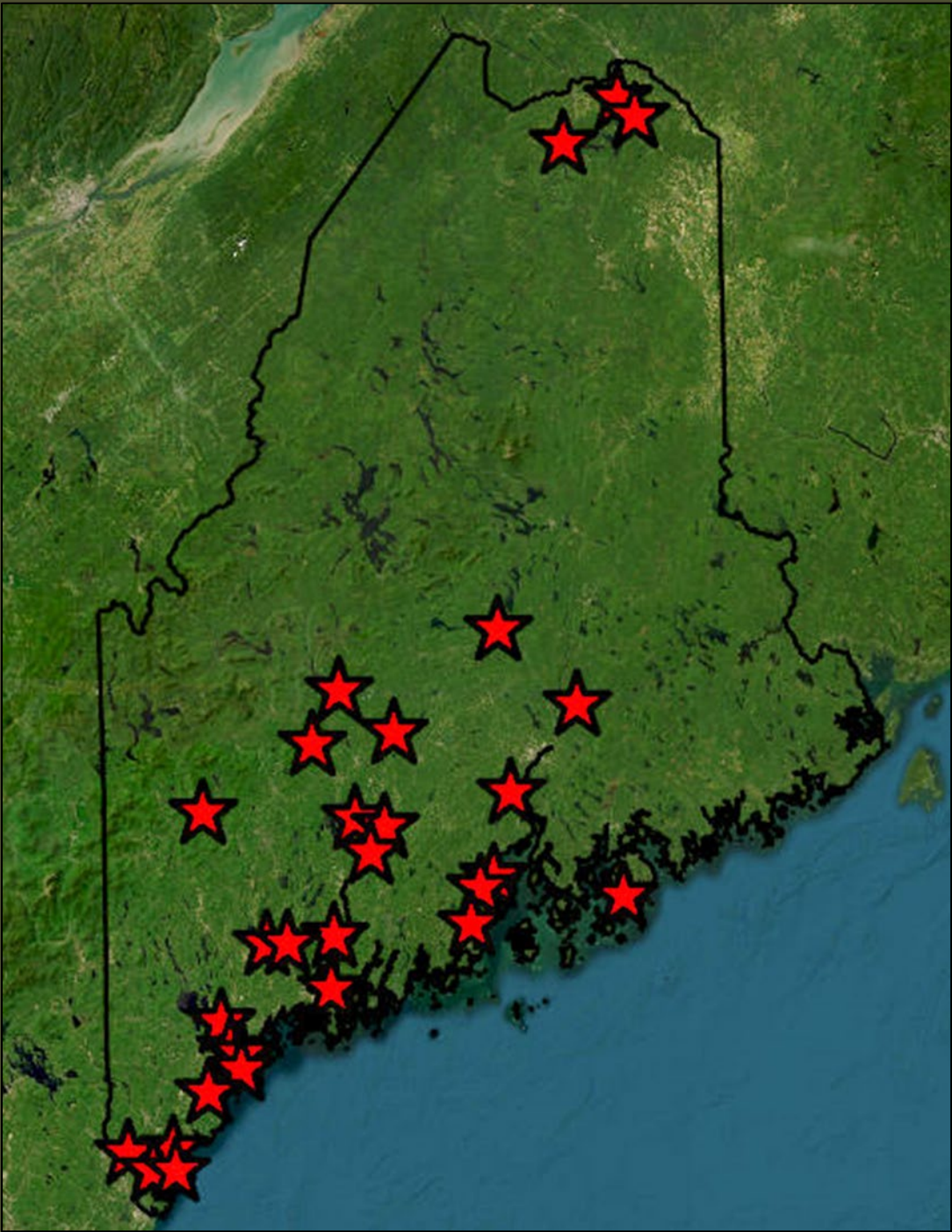
CONSTRUCTION PROGRESS: PHASE I, WHICH INVOLVED FLOATING THE NEW DUAL FORCE MAIN ACROSS THE RIVER AND SUBSEQUENTLY BURYING IT, HAS BEEN COMPLETED. PHASE II, FOCUSING ON THE PUMP STATION UPGRADES WILL COMMENCE THIS FALL.

POPULATION: 5,309

WATER QUALITY IMPACT: THE CHAFFEE BROOK PUMP STATION (CBPS) CURRENTLY EXPERIENCES COMBINED SEWER OVERFLOWS (CSO'S) DURING SOME STORM EVENTS. THIS PROJECT WILL ENHANCE WATER QUALITY BY INCREASING PUMPING CAPACITY, WHICH WILL REDUCE UNTREATED SEWER DISCHARGES INTO THE KENNEBEC RIVER.

PROJECT DESCRIPTION: CBPS UPGRADES INCLUDE THE INSTALLATION OF TWIN 16" HDPE RIVER CROSSING PIPES, UPGRADES TO (CBPS) TO INCREASE CAPACITY FROM 5.5 TO 7.4 MGD, AND THE REPLACEMENT OF ALL EQUIPMENT THAT HAS REACHED THE END OF ITS SERVICE LIFE.

Photo by: Wright-Pierce



2024 PROJECTS

2024 PROJECTS

Anson-Madison Sanitary District

Maine Centralized PFAS Mitigation Facility.....19

Bath

Commercial Street Wastewater Infrastructure Upgrades.....20

Eagle Lake Water and Sewer District

Wastewater Treatment Facility and Pump Station Upgrades.....21

Hartland

Commercial Street Corridor Sewer Improvements.....22

Kennebec County Soil and Water Conservation District

East Pond NPS Watershed Survey.....23

Kennebec County Soil and Water Conservation District

Webber Pond and Threemile Pond NPS Watershed Management
Plan Development.....24

Lewiston-Auburn Clean Water Authority

Combined Sewer Overflow Tank.....25

Lincolnton Sewer District

Outfall Replacement.....26

Portland Water District

East End Wastewater Treatment Facility Sludge Dewatering
Improvements and Biosolids Processing Study.....27

Portland Water District

North Windham Wastewater Treatment Facility Membrane
Bioreactor, Disposal Field, and Collection System.....28

Richmond Utilities District

Collection System Excess Flow Reduction.....29

Rockport

Route 90 Sewer Extension.....30

Saco

Water Resource Recovery Facility Upgrades.....31

South Berwick Sewer District

Wastewater Treatment Facility Upgrades.....32

South Portland

Fiscal Year 2025 Storm Drain Lining Project.....33

Wells Sanitary District

Wastewater Treatment Facility Sludge Handling Systems
Upgrade.....34

Windham

Windham School Conveyance.....35

Winslow

CSO and Stormwater Management Improvements.....36

Winterport Sewerage District and Town of Winterport

Wastewater Treatment Plant Upgrade to Secondary Treatment.....37

Winterport Water District, Windham, Richmond, Eagle Lake Water and Sewer District, Bingham, Southwest Harbor Water and Sewer District, Berwick Sewer District, Milford, Milo Water District, Northport Village Corporation, Sabattus Sewer District, Sinclair

Fiscal Sustainability Plans.....38

Westbrook, St Agatha, Ogunquit, Windham, Rockport, LACWA Rumford-Mexico, South Berwick, Northport Village Corporation

Climate Adaptation Plans.....39

Maine Forest Direct Link Program.....40



Figure 1 - Site Location Map



APPLICANT'S NAME: ANSON-MADISON SANITARY DISTRICT

PROJECT NAME: MAINE CENTRALIZED PFAS MITIGATION FACILITY

CWSRF FUNDING AMOUNT: \$2,656,150 (2021), \$2,724,000 (2022),
\$1,000,000 (2024)

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$25,647,500

OTHER FUNDING SOURCES: USDA RURAL DEVELOPMENT, NORTHERN
BORDERS REGIONAL COMMISSION, ENVIRONMENTAL PROTECTION
AGENCY, AMERICAN RESCUE PLAN ACT AND MAINE STATE GRANT

CONSTRUCTION PROGRESS: DREDGING OF LAGOONS IS 80% COMPLETE.
PROCUREMENT OF AERATION EQUIPMENT AND INSTALLATION SERVICES
FOR AERATION EQUIPMENT IS ONGOING (TOTAL PROJECT: 5%
COMPLETE)

POPULATION: 7,017

WATER QUALITY IMPACT: PROJECT WILL SIGNIFICANTLY REDUCE
DISCHARGE OF PFAS TO THE KENNEBEC RIVER AS THIS FACILITY RECEIVES
SEPTAGE, LANDFILL LEACHATE, AND MUNICIPAL SLUDGES FROM OTHER
COMMUNITIES, WHICH ARE ALL HIGH IN PFAS.

PROJECT DESCRIPTION: CONSTRUCTION OF A REGIONAL TREATMENT
FACILITY TO REMOVE PFAS FROM TREATED WASTEWATER. PHASE 1
CONSISTS OF DREDGING AND DEWATERING OF SLUDGE IN LAGOON CELL
3. PHASE 2 CONSISTS OF PROCUREMENT OF BLOWERS AND AERATION
EQUIPMENT FOR CELL 1B. PHASE 3 CONSISTS OF INSTALLATION OF
BLOWERS & AERATION EQUIPMENT. FUTURE PHASES WILL INCLUDE
CONSTRUCTION OF A PFAS TREATMENT BUILDING AND ADDITION OF
PFAS TREATMENT.

Photo by: James Lord



APPLICANT'S NAME: CITY OF BATH

PROJECT NAME: COMMERCIAL STREET WASTEWATER INFRASTRUCTURE UPGRADES

CWSRF FUNDING AMOUNT: \$1,000,000

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$9,279,225

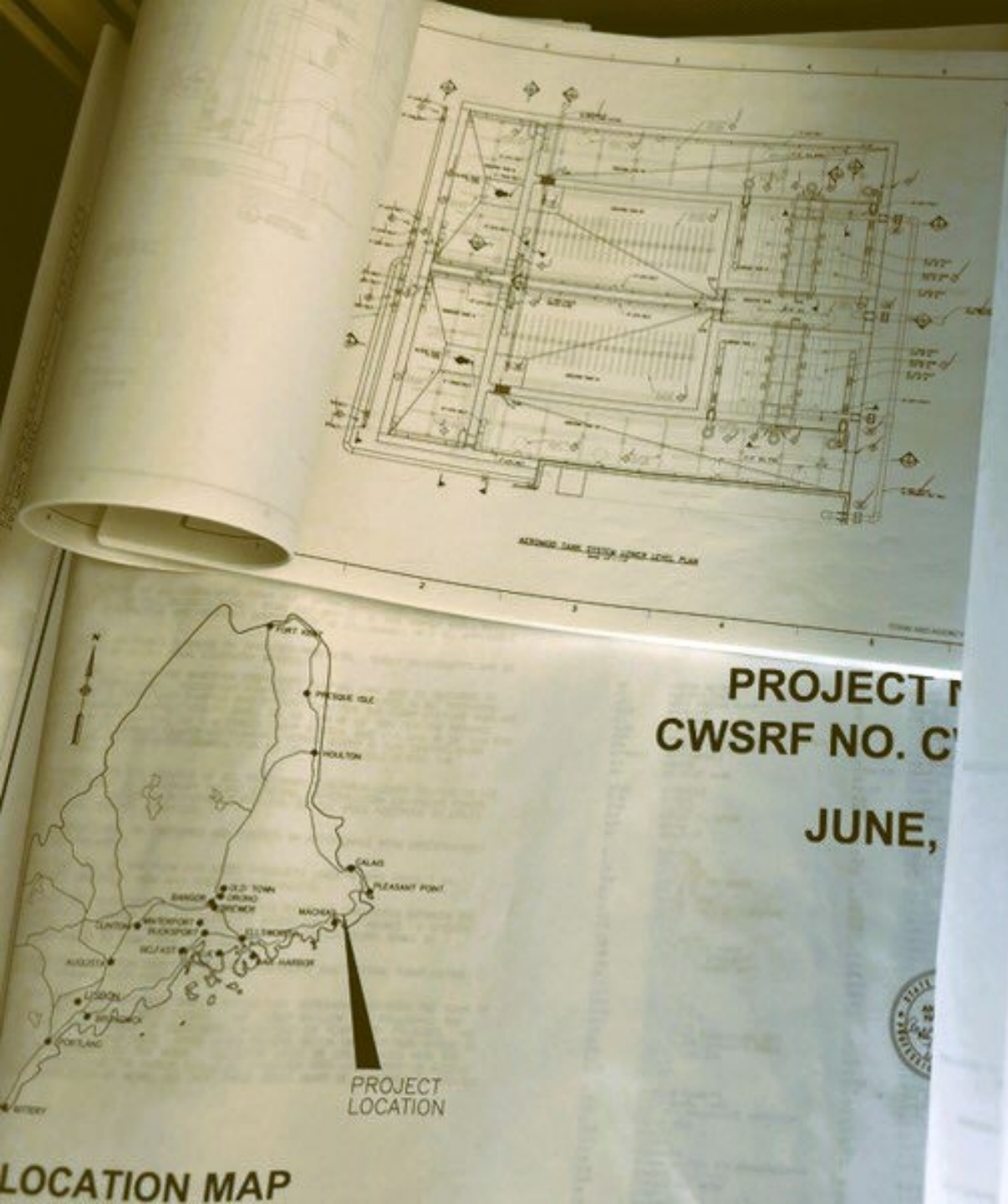
OTHER FUNDING SOURCES: NONE

CONSTRUCTION PROGRESS: PRE-DESIGN PHASE

POPULATION: 3,376

WATER QUALITY IMPACT: THERE IS AN ACTIVE COMBINED SEWER OVERFLOW AT THE COMMERCIAL STREET PUMP STATION. CSOS RELEASE UNTREATED WASTEWATER INTO THE ENVIRONMENT. REDUCING THESE DISCHARGES CAN CONTRIBUTE TOWARDS IMPROVED WATER QUALITY IN THE KENNEBEC RIVER.

PROJECT DESCRIPTION: UPGRADES TO THE COMMERCIAL STREET PUMP STATION INCLUDE REPLACING ALL MAJOR EQUIPMENT AND REHABILITATION OF THE BUILDING. THE DESIGN WILL INCORPORATE CLIMATE RESILIENCY MEASURES DUE TO THE CLOSE PROXIMITY OF THE KENNEBEC RIVER (WITHIN 10FT). THE PROJECT ALSO INCLUDES REPLACING THE 50-YEAR-OLD FORCE MAIN.





APPLICANT'S NAME: EAGLE LAKE WATER AND SEWER DISTRICT

PROJECT NAME: WWTF & PUMP STATION UPGRADES

CWSRF FUNDING AMOUNT: \$4,077,660

CWSRF FUNDING YEAR: 2023/2024

TOTAL PROJECT COST: \$10,620,000

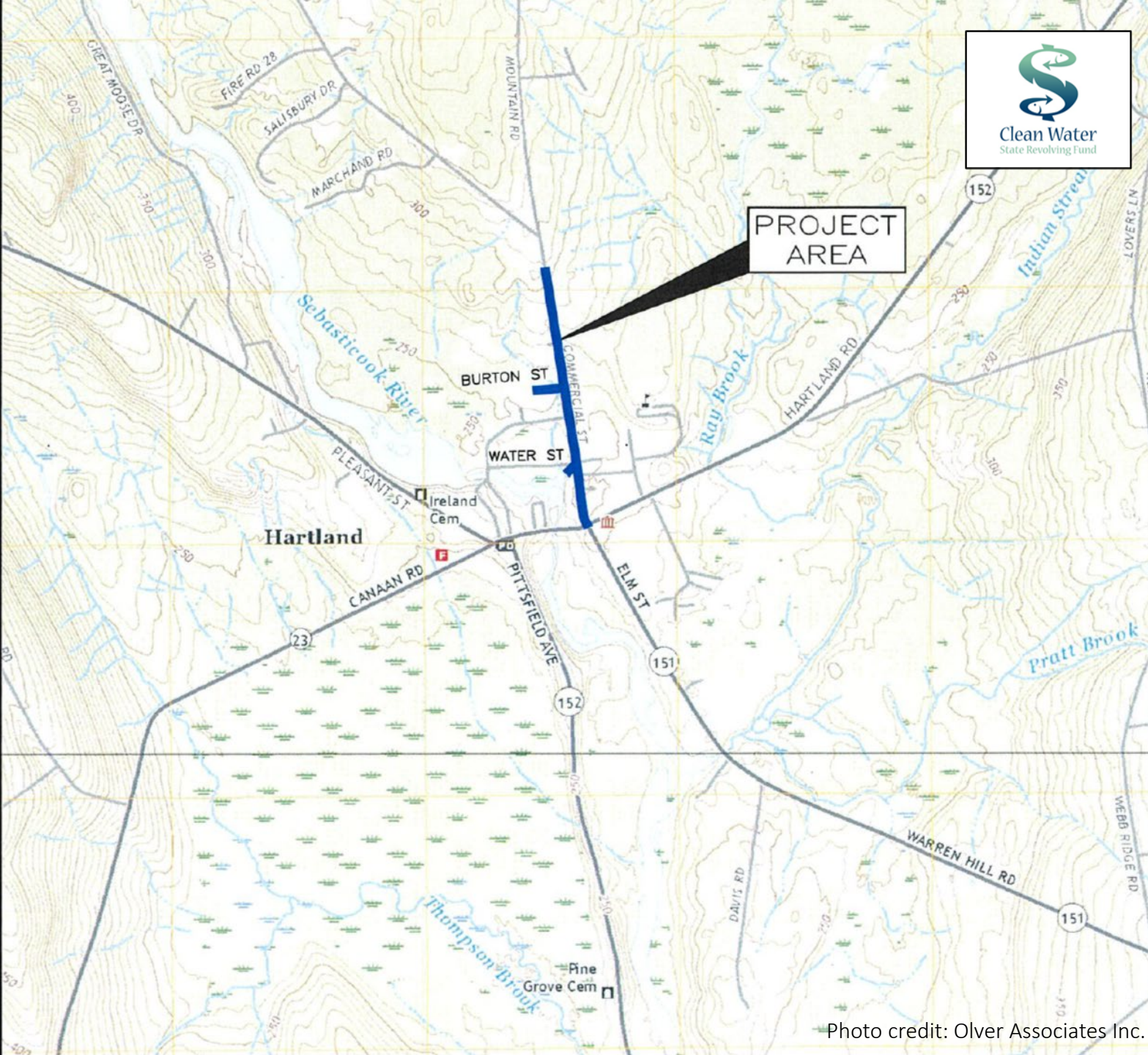
OTHER FUNDING SOURCES: ENVIRONMENTAL PROTECTION AGENCY, COMMUNITY DEVELOPMENT BLOCK, AMERICAN RESCUE PLAN ACT, NORTHERN BORDER REGIONAL COMMISSION, UNITED STATES DEPARTMENT OF AGRICULTURE

CONSTRUCTION PROGRESS: APPROX. 5% COMPLETE

POPULATION: 554

WATER QUALITY IMPACT: PLANT UPGRADES WILL ALLOW FOR CONTINUED TREATMENT OF EFFLUENT TO REQUIRED STANDARDS. PUMP STATION UPGRADES WILL DECREASE LIKELIHOOD OF COMBINED SEWER OVERFLOWS AND WILL CORRECT SAFETY DISCREPANCIES AT THE PUMP STATIONS.

PROJECT DESCRIPTION: UPGRADES TO THE WASTEWATER TREATMENT PLANT INCLUDING A NEW HEADWORKS BUILDING, LAGOON SLUDGE DISPOSAL, AND NEW EQUIPMENT. THIS PROJECT ALSO INCLUDES THE REPLACEMENT OF ONE PUMP STATION, REPLACING OUTDATED EQUIPMENT AND SETUP THAT WAS A SAFETY HAZARD FOR DISTRICT PERSONNEL.



APPLICANT'S NAME: TOWN OF HARTLAND

PROJECT NAME: COMMERCIAL STREET CORRIDOR SEWER IMPROVEMENTS PROJECT

CWSRF FUNDING AMOUNT: \$1,000,000

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$1,203,000

OTHER FUNDING SOURCES: AMERICAN RESCUE PLAN ACT

CONSTRUCTION PROGRESS: CONSTRUCTION CONTRACT AWARDED

POPULATION: 689

WATER QUALITY IMPACT: REMOVAL OF EXCESS FLOWS FROM THE SEWER SYSTEM DUE TO INFLOW AND INFILTRATION IMPROVES THE EFFICIENCY OF THE TREATMENT PLANT. THIS IN TURN RESULTS IN BETTER QUALITY EFFLUENT BEING DISCHARGED INTO THE SEBASTICOOK RIVER.

PROJECT DESCRIPTION: SEWERS IN THIS AREA ARE OLD CLAY PIPES IN DETERIORATED CONDITION. THEY ARE IN NEED OF REPLACEMENT BEFORE THEY COLLAPSE AND CAUSE SEWAGE BACKUP INTO HOMES. PHASE 1 OF THE PROJECT WAS COMPLETED IN FEBRUARY 2025. PHASE 2 CONTINUES THE WORK ON COMMERCIAL STREET TO THE TOWN LINE.



APPLICANT'S NAME: KENNEBEC COUNTY SOIL AND WATER CONSERVATION DISTRICT

PROJECT NAME: KCSWCD EAST POND NPS WATERSHED SURVEY

CWSRF FUNDING AMOUNT: \$9,000

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$25,000

OTHER FUNDING SOURCES: IN PARTNERSHIP WITH 7 LAKES ALLIANCE & EAST POND ASSOCIATION

CONSTRUCTION PROGRESS: REPORT IN PROGRESS, ESTIMATED COMPLETION 12/31/2025

POPULATION: 1,500

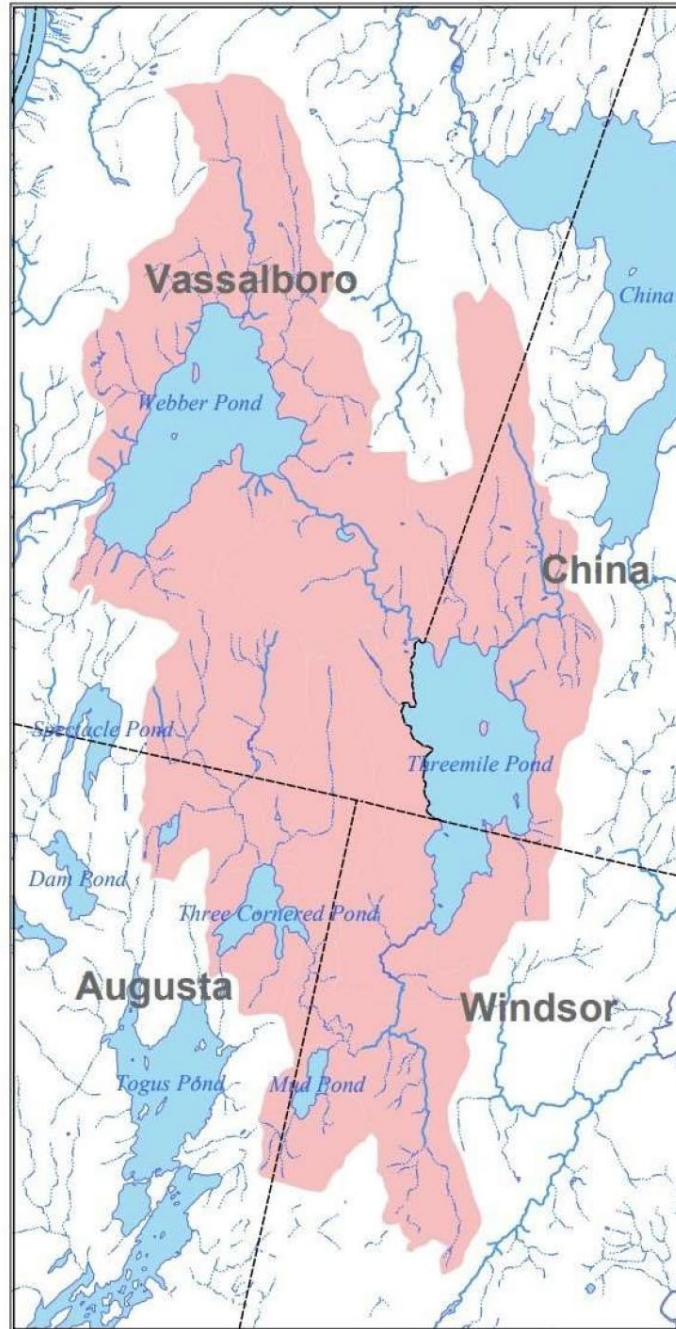
WATER QUALITY IMPACT: SURVEY WILL IDENTIFY SOURCES OF PHOSPHORUS LOADING IN THE WATERSHED. THIS WILL HELP WITH WORK TOWARDS REDUCING PHOSPHORUS POLLUTION IN EAST POND, WHICH HAS EXPERIENCED POOR WATER TRANSPARENCY AND BLUE-GREEN ALGAL BLOOMS SINCE THE 1990'S.

PROJECT DESCRIPTION: THIS WATERSHED SURVEY WILL ASSESS NONPOINT SOURCE POLLUTION TO EAST POND. THE WATERSHED-BASED MANAGEMENT PLAN POINTS TO EXTERNAL PHOSPHORUS AS THE MAIN SOURCE OF NUTRIENT POLLUTION TO THE POND (SINCE 2018 ALUM TREATMENT HAS BEEN USED TO STABILIZE INTERNAL PHOSPHORUS LOADING). THE SURVEY REPORT WILL MAP THE AREAS FOUND, MAKE RECOMMENDATIONS, AND PRIORITIZE SITES. THIS WILL ALLOW WORK TOWARDS REDUCING THE PHOSPHORUS LOADING BY 30-50 KG/YEAR (PLANNING OBJECTIVE #2 OF THE EAST POND WATERSHED-BASED MANAGEMENT PLAN FOR 2018-2027).



USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and

Webber Pond Tri-Watershed Map including Threemile and Threecornered Ponds
from KCSWCD 2005 Tri-Watershed Based Management Plan



Webber Pond Watershed

Legend

- Webber Pond Watershed
- Municipal Boundary
- Hydrography
- Perennial Stream
- Intermittent Stream

Data Source: Maine Office of GIS,
Data Coordinate System: NAD
1983 Zone 19N, Meters.
Map Created: May 10, 2004 by
N. Sylvester



Kennebec County Soil and
Water Conservation District



APPLICANT'S NAME: KENNEBEC COUNTY SOIL AND WATER CONSERVATION DISTRICT

PROJECT NAME: KCSWCD WEBBER POND AND THREEMILE POND NPS WATERSHED MANAGEMENT PLAN DEVELOPMENT PROJECT

CWSRF FUNDING AMOUNT: \$49,236

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$98,472

OTHER FUNDING SOURCES: NON-POINT SOURCE 604(B) GRANT, JOHN SAGE FOUNDATION GRANT

CONSTRUCTION PROGRESS: IN PROGRESS, ESTIMATED COMPLETION 12/31/2025

POPULATION: 30,983 (2023)

WATER QUALITY IMPACT: WATER QUALITY HAS DECLINED IN RECENT YEARS IN BOTH PONDS, INCLUDING CYANOBACTERIA BLOOMS CONTAINING MICROCYSTIN TOXINS HARMFUL TO HUMANS AND PETS. THIS HAS NEGATIVELY IMPACTED RECREATIONAL, RENTAL AND RESIDENTIAL USE OF THE PONDS. BOTH PONDS PROVIDE SIGNIFICANT ECONOMIC BENEFITS TO THEIR COMMUNITIES THROUGH CONSUMER SPENDING AND PROPERTY TAXES.

PROJECT DESCRIPTION: THE GOAL OF THE PROJECT IS TO TAKE INITIAL STEPS IN THE PREPARATION OF AN UPDATED NINE-POINT TRI – WATERSHED-BASED MANAGEMENT PLAN FOR WEBBER, THREEMILE, AND THREECORNERED PONDS. ONCE COMPLETED, THE PLAN WILL BE USED TO APPLY FOR GRANT FUNDING TO ADDRESS PRIORITY NON-POINT SOURCE CONTRIBUTORS WITH THE GOAL OF REDUCING EXCESS PHOSPHORUS LOADS IN THESE WATERBODIES.



APPLICANT'S NAME: LEWISTON-AUBURN CLEAN WATER AUTHORITY

PROJECT NAME: COMBINED SEWER OVERFLOW TANK

CWSRF FUNDING AMOUNT: \$10,000,000

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$31,652,515

OTHER FUNDING SOURCES: AUBURN & LEWISTON AMERICAN RESCUE PLAN ACT GRANTS

CONSTRUCTION PROGRESS: APPROX. 40% COMPLETE

POPULATION: 49,000

WATER QUALITY IMPACT: CAPTURING EXCESS WASTEWATER FLOWS DURING STORM CONDITIONS WILL DECREASE THE NUMBER OF COMBINED SEWER OVERFLOWS IN THE LEWISTON AND AUBURN SYSTEMS. THIS WILL REDUCE THE AMOUNT OF RAW SEWAGE RELEASED DURING TIMES OF HIGH FLOWS.

PROJECT DESCRIPTION: CONSTRUCTION OF A 2.1 MGD COMBINED SEWER OVERFLOW TANK. THE PROJECT INCLUDES CONSTRUCTION OF THE TANK, PUMP STATION, DIVERSION STRUCTURE, A SUPPORT BUILDING AND RELATED PIPING AND INFRASTRUCTURE. THE TANK WILL CAPTURE EXCESS FLOWS DURING STORM PERIODS AND PERIODS OF HIGH FLOWS TO LOWER FLOWS TO THE WASTEWATER TREATMENT FACILITY DURING THESE EVENTS.



APPLICANT'S NAME: LINCOLNVILLE SEWER DISTRICT

PROJECT NAME: OUTFALL REPLACEMENT

CWSRF FUNDING AMOUNT: \$120,000 (2023) & \$464,000 (2024)

CWSRF FUNDING YEAR: 2023 & 2024

TOTAL PROJECT COST: \$590,000

OTHER FUNDING SOURCES: N/A

CONSTRUCTION PROGRESS: PROJECT IS STILL IN DESIGN

POPULATION: 2,312

WATER QUALITY IMPACT: THIS PROJECT WILL IMPROVE WATER QUALITY IN THE IMMEDIATE VICINITY OF LINCOLNVILLE BEACH AS TREATED WASTEWATER IS BEING DISCHARGED IN CLOSE PROXIMITY TO THE SHORE NEAR THE BEACH AND LOBSTER HOLDING AREA(S).

PROJECT DESCRIPTION: REPLACEMENT OF EXISTING OUTFALL PIPE





APPLICANT'S NAME: PORTLAND WATER DISTRICT

PROJECT NAME: EAST END WWTF SLUDGE DEWATERING IMPROVEMENTS AND BIOSOLIDS PROCESSING STUDY

CWSRF FUNDING AMOUNT: \$901,720

CWSRF FUNDING YEAR: 2023 & 2024

TOTAL PROJECT COST: \$19,950,000

OTHER FUNDING SOURCES: TBD (PROJECT IN DESIGN STAGE)

CONSTRUCTION PROGRESS: DISTRICT IS CURRENTLY REQUESTING QUALIFICATIONS FROM ENGINEERING FIRMS FOR THE PROJECT.

POPULATION: 68,408

WATER QUALITY IMPACT: PROJECT WILL IMPROVE THE SOLIDS HANDLING AND DEWATERING PROCESSES AT EAST END, MAINTAINING EFFECTIVE TREATMENT AND EFFLUENT QUALITY.

PROJECT DESCRIPTION: EAST END WASTEWATER TREATMENT FACILITY PROCESSES THE BIOSOLIDS REMOVED FROM ITS WASTEWATER FLOW, AS WELL AS FROM THE NEARBY CAPE ELIZABETH AND PEAKS ISLAND FACILITIES. THIS PROJECT WILL IDENTIFY AND CONSTRUCT BIOSOLIDS HANDLING IMPROVEMENTS AT EAST END, REPLACING EQUIPMENT THAT IS UNDERSIZED AND PAST ITS USEFUL LIFE. THE PROJECT WILL HELP TO MAINTAIN RELIABLE WASTEWATER TREATMENT AT THE MULTIPLE FACILITIES THAT RELY ON THIS EQUIPMENT.

(IMAGE FROM TIGHE & BOND 2018 HEADWORKS DESIGN REPORT)



APPLICANT'S NAME: PORTLAND WATER DISTRICT

**PROJECT NAME: NORTH WINDHAM WWTF –
MEMBRANE BIOREACTOR, DISPOSAL FIELD, AND COLLECTION SYSTEM**

CWSRF FUNDING AMOUNT: \$43,000,000

CWSRF FUNDING YEAR: 2023 & 2024

TOTAL PROJECT COST: \$48,230,000

**OTHER FUNDING SOURCES: ENVIRONMENTAL PROTECTION AGENCY-
CONGRESSIONALLY DIRECTED SPENDING, CUMBERLAND COUNTY
AMERICAN RESCUE PLAN ACT**

**CONSTRUCTION PROGRESS: SUBSURFACE DRIP DISPERSAL FIELD HAS
BEEN COMPLETED; WASTEWATER TREATMENT FACILITY AND
COLLECTION SYSTEM ARE UNDER CONSTRUCTION.**

POPULATION: 179 COMMERCIAL PARCELS (PHASE I)

**WATER QUALITY IMPACT: THIS FACILITY WILL PROVIDE WASTEWATER
TREATMENT FOR A DENSE COMMERCIAL AREA THAT CURRENTLY RELIES
ON SEPTIC SYSTEMS. MEMBRANE FILTRATION WILL REDUCE NUTRIENT
POLLUTION TO SEBAGO LAKE, MAINE'S LARGEST DRINKING WATER
SOURCE.**

**PROJECT DESCRIPTION: THIS PROJECT IS CONSTRUCTING A NEW
WASTEWATER TREATMENT FACILITY, SUBSURFACE EFFLUENT DISPOSAL
FIELD, AND COLLECTION SYSTEM FOR NORTH WINDHAM'S DENSE ROUTE-
302 CORRIDOR. A MEMBRANE BIOREACTOR WILL PROVIDE HIGH-
QUALITY TREATMENT, WITH THE EFFLUENT DISCHARGING TO
GROUNDWATER VIA DRIP DISPERSAL. THE DISPOSAL FIELD WAS
INSTALLED UNDERNEATH RSU #14'S NEW ATHLETIC FIELDS. THE FACILITY
IS EXPECTED TO BEGIN START-UP IN EARLY 2026, WITH PLANS TO
EXPAND THE COLLECTION SYSTEM.**

Photo by: MWH



APPLICANT'S NAME: RICHMOND UTILITIES DISTRICT

PROJECT NAME: COLLECTION SYSTEM EXCESS FLOW REDUCTION

CWSRF FUNDING AMOUNT: \$1,400,000

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$1,400,000

OTHER FUNDING SOURCES: NA

CONSTRUCTION PROGRESS: IN DESIGN

POPULATION: 563

WATER QUALITY IMPACT: THIS WORK CONTRIBUTES TO ELIMINATING TWO COMBINED SEWER OVERFLOW OUTFALLS THAT DISCHARGE UNTREATED WASTEWATER INTO THE ENVIRONMENT DURING SIGNIFICANT WET WEATHER EVENTS.

PROJECT DESCRIPTION: REPLACE OR REPAIR SELECT LOCATIONS OF LEAKING MANHOLES AND SEWERS ON FRONT, MAIN, KENNEBEC, WEYMOUTH, DEPOT, TALLMAN & PLEASANT STREETS.





Clean Water
State Revolving Fund

PROJECT NAME: ROUTE 90 SEWER EXTENSION

CWSRF FUNDING YEAR: 2023 & 2024

OTHER FUNDING SOURCES: AMERICAN RESCUE PLAN ACT

POPULATION: 7,297

PROJECT DESCRIPTION: THE PROJECT INVOLVES THE CONSTRUCTING TWO MILES OF SEWER LINE AND ONE PUMP STATION. ESTABLISHING A CONNECTION TO PUBLIC SEWER IS ESSENTIAL TO SUPPORT FUTURE DEVELOPMENT ALONG THE ROUTE 90 CORRIDOR AND TO FACILITATE THE GROWTH OF THE TOWN OF ROCKPORT IN AN ENVIRONMENTALLY AND FISCALLY RESPONSIBLE MANNER.



APPLICANT'S NAME: CITY OF SACO

PROJECT NAME: WATER RESOURCE RECOVERY FACILITY UPGRADES

CWSRF FUNDING AMOUNT: \$15,000,000 (2022), \$16,000,000 (2023), & \$10,000,000 (2024) – PROJECT TOO LARGE/TOO LENGTHY TO FUND OVER ONLY 1 OR 2 YEARS.

CWSRF FUNDING YEAR: 2023 & 2024

TOTAL PROJECT COST: \$61,956,978

OTHER FUNDING SOURCES: US ENVIRONMENTAL PROTECTION AGENCY, CITY OF SACO

CONSTRUCTION PROGRESS: THE PROJECT IS APPROXIMATELY ONE-THIRD COMPLETE. WORK HAS BEEN ONGOING AT THE HEADWORKS, PROCESS BUILDING, AND AERATION TANKS.

POPULATION: 12,000

WATER QUALITY IMPACT: THIS PROJECT WILL REDUCE COMBINED SEWER OVERFLOW DISCHARGES AND REDUCE NUTRIENT DISCHARGES TO THE SACO RIVER.

PROJECT DESCRIPTION: MAJOR UPGRADE OF THE CITY'S WATER RESOURCE RECOVERY FACILITY TO IMPROVE RESILIENCE TO EXTREME WEATHER EVENTS, REDUCE COMBINED SEWER OVERFLOW DISCHARGE, AND FURTHER REDUCE NUTRIENT DISCHARGE IN ANTICIPATION OF FUTURE NUTRIENT REMOVAL REQUIREMENTS.



APPLICANT'S NAME: SOUTH BERWICK SEWER DISTRICT

PROJECT NAME: WASTEWATER TREATMENT FACILITY UPGRADES

CWSRF FUNDING AMOUNT: \$526,720

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$9,000,000

OTHER FUNDING SOURCES: NONE

CONSTRUCTION PROGRESS: IN DESIGN

POPULATION: 1,660

WATER QUALITY IMPACT: THIS PROJECT WILL CONTRIBUTE TOWARDS MAINTAINING COMPLIANCE WITH WASTEWATER DISCHARGE LIMITATIONS THAT THE FACILITY IS REQUIRED TO MEET. THE RECEIVING WATER, SALMON FALLS RIVER, IS ON MAINE'S 303D LIST AS A HIGH PRIORITY AND HAS TMDLS FOR AMMONIA NITROGEN, BOD AND TOTAL PHOSPHORUS.

PROJECT DESCRIPTION: THIS PROJECT INCLUDES IMPROVEMENTS TO THE WASTEWATER TREATMENT FACILITY, THE INFLUENT PUMP STATION AND INCORPORATING FLOOD PROTECTION MEASURES TO PROVIDE RESILIENCY TO CLIMATE CHANGE.





APPLICANT'S NAME: CITY OF SOUTH PORTLAND

PROJECT NAME: FY 2025 STORM DRAIN LINING PROJECT

CWSRF FUNDING AMOUNT: \$33,712

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$67,424

OTHER FUNDING SOURCES: CITY OF SOUTH PORTLAND

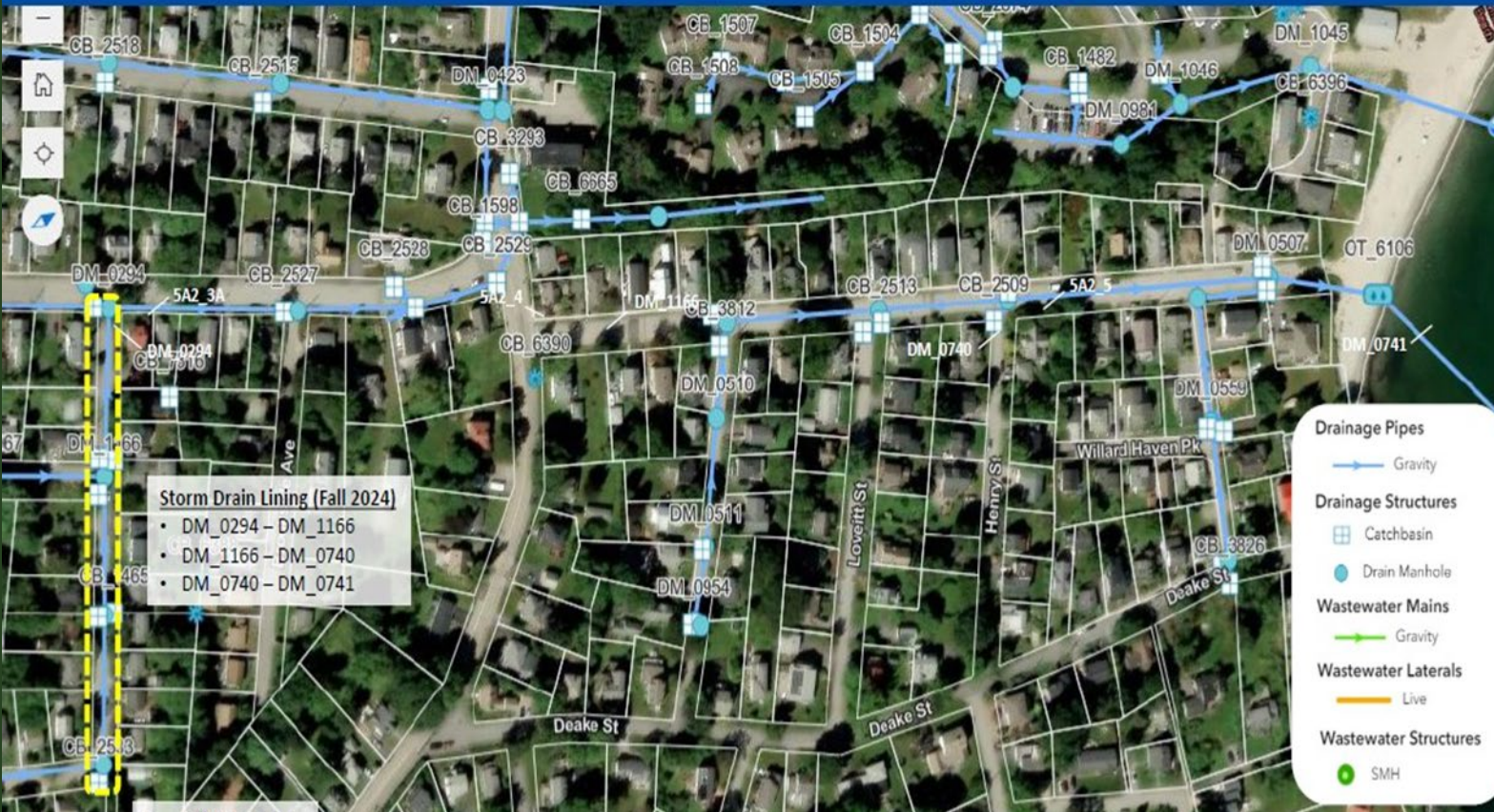
CONSTRUCTION PROGRESS: PROJECT IS COMPLETE

POPULATION: 40

WATER QUALITY IMPACT: PROJECT IS EXPECTED TO REDUCE BACTERIAL CONTAMINATION IN THE VICINITY OF WILLARD BEACH IN SOUTH PORTLAND.

PROJECT DESCRIPTION: LINING OF APPROXIMATELY 600-FEET OF 10-INCH STORM DRAIN ON COOLIDGE AVENUE IN THE CITY OF SOUTH PORTLAND.

South Portland Willard Beach 2024 Storm Drain Lining Project – Coolidge Avenue





APPLICANT'S NAME: WELLS SANITARY DISTRICT

PROJECT NAME: WASTEWATER TREATMENT FACILITY SLUDGE HANDLING SYSTEMS UPGRADE

CWSRF FUNDING AMOUNT: \$526,720

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$10,000,000

OTHER FUNDING SOURCES: NA

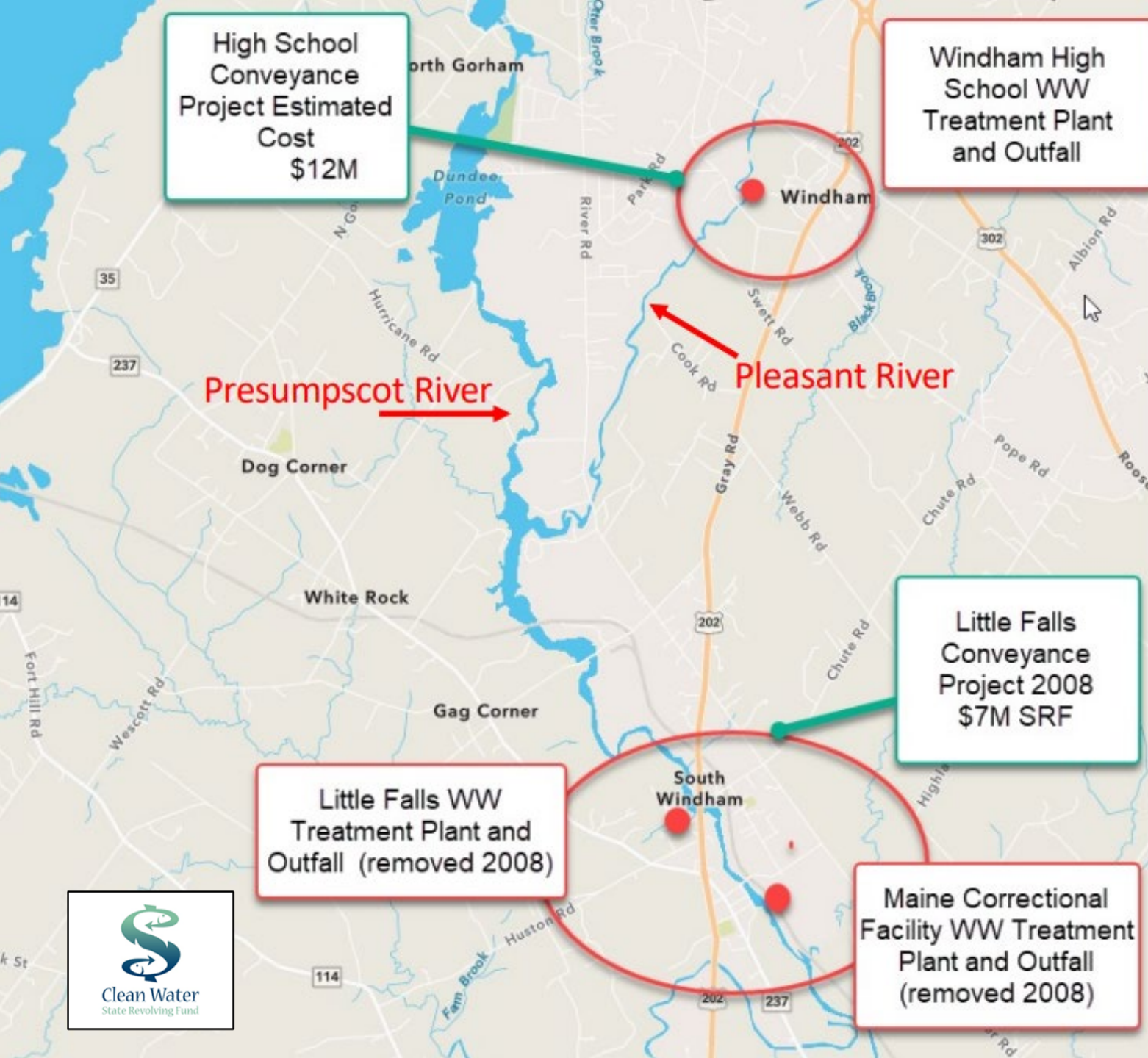
CONSTRUCTION PROGRESS: PRE-DESIGN PHASE

POPULATION: 5,835

WATER QUALITY IMPACT: RELIABLE OPERATION OF SLUDGE PROCESSING EQUIPMENT IS IMPORTANT FOR SUCCESSFULLY MAINTAINING THE TREATMENT OF WASTEWATER, AND AVOIDING DISCHARGE PERMIT VIOLATIONS. THIS IN TURN PROTECTS HUMAN HEALTH AND THE SURROUNDING WETLAND ENVIRONMENT.

PROJECT DESCRIPTION: AGING SLUDGE HANDLING EQUIPMENT IS NEAR THE END OF ITS USEFUL LIFE. THIS HAS LED TO SAFETY HAZARDS, INCREASED MAINTENANCE AND OPERATIONAL COSTS AS WELL AS REDUCED PERFORMANCE. THIS PROJECT INCLUDES CONSTRUCTION OF A NEW DEWATERING BUILDING, IMPROVEMENTS TO THE OUTDOOR SLUDGE STORAGE TANKS, AND INSTALLATION OF ODOR CONTROL EQUIPMENT.





APPLICANT'S NAME: TOWN OF WINDHAM

PROJECT NAME: WINDHAM SCHOOL CONVEYANCE

CWSRF FUNDING AMOUNT: \$1,000,000

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$13,000,000

OTHER FUNDING SOURCES: TBD (PROJECT IN EARLY STAGES)

CONSTRUCTION PROGRESS: PROJECT IS IN DESIGN

POPULATION: 1,700

WATER QUALITY IMPACT: PROJECT WILL REMOVE THE WASTEWATER TREATMENT FACILITY AND OUTFALL AT WINDHAM HIGH SCHOOL, BY CONVEYING THE SCHOOL'S WASTEWATER TO THE NEW NORTH WINDHAM WWTF. THIS WILL IMPROVE WATER QUALITY IN THE PLEASANT AND PRESUMPSCOT RIVERS, BOTH CLASS B WATERWAYS.

PROJECT DESCRIPTION: THIS PROJECT WILL CONVEY WASTEWATER FROM WINDHAM'S HIGH SCHOOL AND MIDDLE SCHOOL TO THE NEW NORTH WINDHAM WWTF. TWO PUMP STATIONS AND 20,000 FEET OF FORCE MAIN PIPING WILL CARRY THE WASTEWATER TO THE NEW FACILITY, WHICH IS EXPECTED TO COMPLETE CONSTRUCTION IN EARLY 2026. THE HIGH SCHOOL'S WWTF AND OUTFALL WILL BE REMOVED, IMPROVING WATER QUALITY IN THE RECEIVING RIVERS.

(IMAGE OF MAP FROM TOWN'S PRESENTATION ON THE PROJECT.)



APPLICANT'S NAME: TOWN OF WINSLOW

PROJECT NAME: CSO & STORMWATER MANAGEMENT IMPROVEMENTS

CWSRF FUNDING AMOUNT: \$6,000,000

CWSRF FUNDING YEAR: 2024

TOTAL PROJECT COST: \$17,000,000

OTHER FUNDING SOURCES: CWSRF 2023, ENVIRONMENTAL PROTECTION AGENCY, TOWN FUNDING

CONSTRUCTION PROGRESS: EARLY DESIGN STAGES FOR SUNSET HEIGHTS. CHAFFEE BROOK PUMP STATION IS STARTING PHASE II THIS FALL WHICH CONSISTS OF INCREASING PUMP STATION CAPACITY.

POPULATION: 5,309

WATER QUALITY IMPACT: IMPROVE WATER QUALITY BY REDUCING UNTREATED COMBINED SEWER DISCHARGE TO THE KENNEBEC RIVER DURING STORM EVENTS.

PROJECT DESCRIPTION: PROVIDE COST OVERAGE FUNDING FOR CHAFFEE BROOK PUMP STATION UPGRADE AND PROVIDE SEWER SEPARATION AND STORM DRAINAGE IMPROVEMENTS FOR THE SUNSET HEIGHT'S SEWER SUBSECTION.



APPLICANT'S NAME: WINTERPORT SEWERAGE DISTRICT & TOWN OF WINTERPORT

PROJECT NAME: WWTP UPGRADE TO SECONDARY TREATMENT

CWSRF FUNDING AMOUNT: \$1,500,000 (2019), \$553,746 (2022)
\$1,880,000 (2023), \$1,000,000 (2024)

NOTE: THE SEWERAGE DISTRICT HAS LIMITED RESOURCES REQUIRING MULTIPLE YEARS OF FUNDING AND WORKING WITH MULTIPLE FUNDING AGENCIES TO PROVIDE A FUNDING PACKAGE THAT WOULD NOT BE A DEVASTATING FINANCIAL BURDEN TO THE RATE PAYERS.

CWSRF FUNDING YEAR: 2019, 2022, 2023 & 2024

TOTAL PROJECT COST: \$24,921,200

OTHER FUNDING SOURCES: UNITED STATES DEPARTMENT OF AGRICULTURE RURAL DEVELOPMENT, MAINE STATE GRANT, AMERICAN RESCUE PLAN ACT, ENVIRONMENTAL PROTECTION AGENCY- CONGRESSIONALLY DIRECTED SPENDING, MAINE DEPARTMENT OF TRANSPORTATION

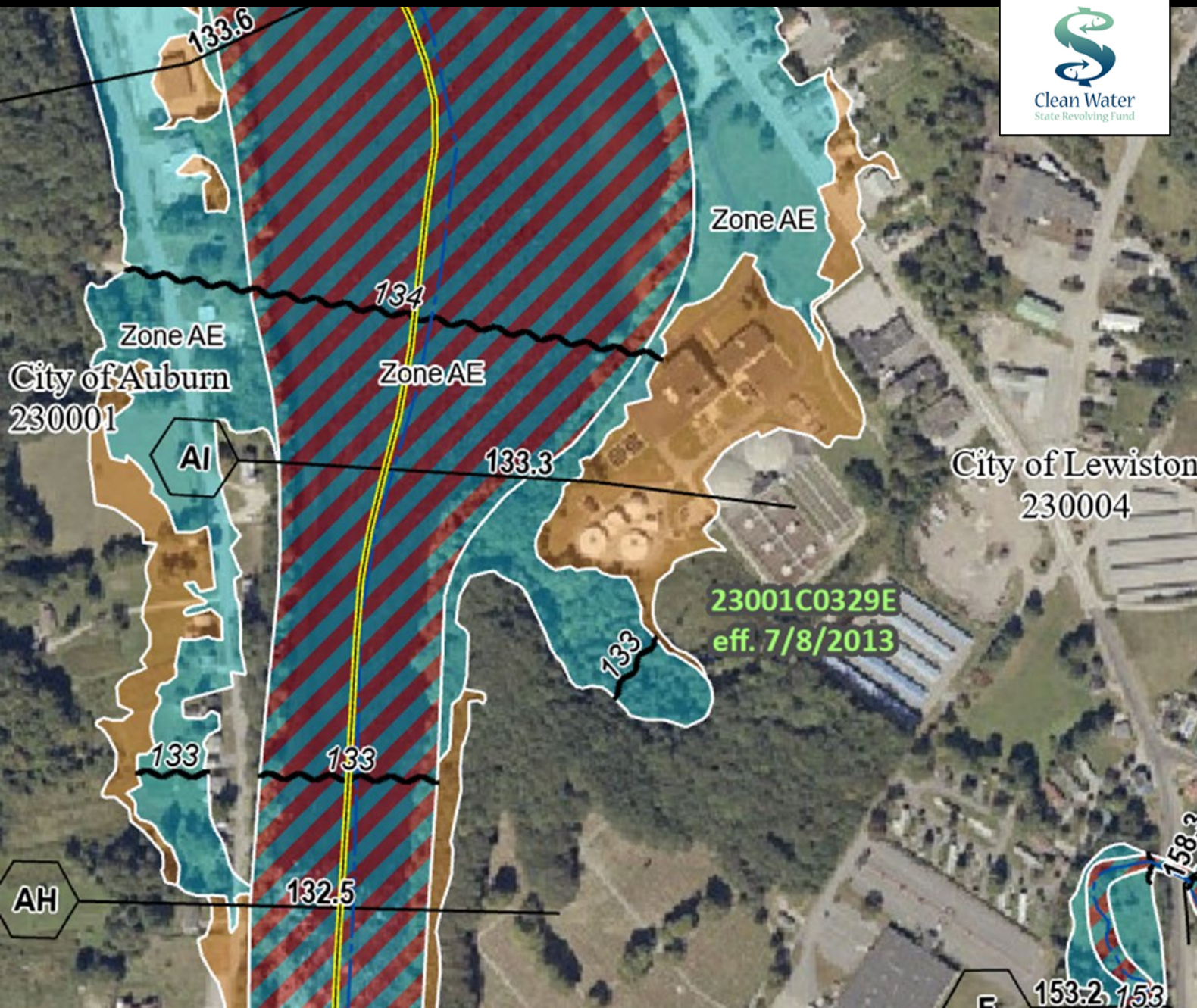
CONSTRUCTION PROGRESS: LESS THAN 10%

POPULATION: 670

WATER QUALITY IMPACT: THIS PROJECT WILL IMPROVE WATER QUALITY BY BOTH INCREASING TREATMENT LEVEL AND CAPACITY, REDUCING THE CSO DISCHARGE DURING STORM EVENTS AND BRINGING THE TREATMENT PLANT INTO PERMIT COMPLIANCE BY PROVIDING SECONDARY (BIOLOGICAL) TREATMENT.

PROJECT DESCRIPTION: THE PROJECT IS TO COMPLETE THE MANDATED UPGRADE TO THE DISTRICT'S WASTEWATER TREATMENT PLANT TO ACHIEVE SECONDARY TREATMENT.





APPLICANTS NAME: WESTBROOK, ST AGATHA, OGUNQUIT, WINDHAM, ROCKPORT, LACWA, RUMFORD-MEXICO, SOUTH BERWICK, NORTHPORT VILLAGE CORPORATION

PROJECT NAME: CLIMATE ADAPTATION PLANS (CAPS)

CWSRF FUNDING AMOUNT: \$20,000 - \$25,000 PER PLAN

CWSRF FUNDING YEAR: 2023 & 2024

TOTAL PROJECT COST: \$170,000

WATER QUALITY IMPACT: CAPS IDENTIFY HAZARDS THAT IMPACT THE OPERATIONS OF WASTEWATER TREATMENT SYSTEMS AND GIVE OPTIONS FOR REMEDIATION. IDENTIFYING THESE HAZARDS ALLOWS CONTINUED OPERATIONS OF WASTEWATER TREATMENT SYSTEMS AND REDUCES THE LIKELIHOOD OF SEWER OVERFLOWS.

PROJECT DESCRIPTION: CLIMATE ADAPTATION PLANS ALLOW RECIPIENTS TO ASSESS THEIR EXISTING WASTEWATER TREATMENT SYSTEM'S VULNERABILITIES TO CLIMATE CHANGE AND DEVELOP A PLAN FOR SYSTEM RESILIENCY. CAPS ADDRESS ALL WEATHER HAZARDS BUT THERE IS A FOCUS ON FLOOD HAZARDS INCLUDING INCREASED FRESHWATER FLOODING AND INCREASED FLOODING DUE TO STORM INTENSITY AND SEA LEVEL RISE.



APPLICANT'S NAME: WINTERPORT WATER DISTRICT, WINDHAM, RICHMOND, EAGLE LAKE WATER & SEWER DISTRICT, BINGHAM, SOUTHWEST HARBOR WATER & SEWER DISTRICT, BERWICK SEWER DISTRICT, MILFORD, MILO WATER DISTRICT, NORTHPORT VILLAGE CORPORATION, SABATTUS SEWER DISTRICT, SINCLAIR

PROJECT NAME: FISCAL SUSTAINABILITY PLANS (FSP)

CWSRF FUNDING AMOUNT: \$5,000 - \$50,000 PER PLAN

CWSRF FUNDING YEAR: 2023 & 2024

TOTAL PROJECT COST: \$345,000

OTHER FUNDING SOURCES: REQUIRES 50% MATCH FROM ENTITIES RECEIVING THE FUNDING.

WATER QUALITY IMPACT: FISCAL SUSTAINABILITY PLANS HELP RECIPIENTS UNDERSTAND THE CURRENT STATUS OF THEIR EQUIPMENT AND SYSTEM. IT ALSO DOCUMENTS FUTURE PROJECTS THAT SHOULD BE PLANNED FOR TO ENSURE CONTINUED OPERATIONS OF THE WASTEWATER SYSTEM.

PROJECT DESCRIPTION: FISCAL SUSTAINABILITY PLANS DETAIL THE CURRENT CONDITION OF MAJOR COMPONENTS OF THE WASTEWATER TREATMENT SYSTEM. CONDITION STATUS IS USED TO MAKE A PRIORITY LIST OF REQUIRED PROJECTS WITH A TIMELINE AND ESTIMATED COSTS FOR PLANNING PURPOSES.



PROGRAM NAME: MAINE FOREST DIRECT LINK

CWSRF FUNDING AMOUNT: \$7,909,845

CWSRF FUNDING YEAR: 2023 & 2024

TOTAL PROJECT COST: \$7,909,845

OTHER FUNDING SOURCES: NONE

CONSTRUCTION PROGRESS: ONGOING PROGRAM

WATER QUALITY IMPACT: MAINE FOREST DIRECT LINK PROGRAM INCENTIVIZES SUSTAINABLE HARVESTING AND BEST PRACTICES FOR EROSION CONTROL. THIS DECREASES NONPOINT SOURCE RUNOFF AND POLLUTION.

PROJECT DESCRIPTION: PROVIDES SUBSIDIZED LOANS AS INCENTIVE FINANCING TO LOGGERS FOR THE PURCHASE OF TIMBER HARVESTING EQUIPMENT AND OTHER BEST MANAGEMENT PRACTICES THAT REDUCE THE RISK OF NONPOINT SOURCE POLLUTION FROM SILVACULTURE PRACTICES.



<https://www.maine.gov/dep/water/grants/SRF/cwsrf/index.html>

**Maine Department of Environmental Protection
Division of Water Quality Management**

17 State House Station
Augusta, ME 04333-0017

Brandy M. P. King, P. Eng., P.E.

Brandy.King@maine.gov
Engineering Services Manager
(207) 287-6093

Mike Riley, P.E.

CSO and FSP Coordinator
michael.s.riley@maine.gov
(207) 719-0809

Robert Hartley, P.E.

SCG and OBD Coordinator
robert.w.hartley@maine.gov
(207) 881-9490



<https://www.mmbb.com/>

127 Community Drive • Augusta, ME 04330

Phone:

(207) 622-9386

Toll-Free:

(800) 821-1113

Fax:

(207) 623-5359