

AUBURN WATER DISTRICT

Office Telephone # 784-6469

The regular monthly meeting of the Trustees of the Auburn Water District will be held **at the office of the Auburn Water District, 268 Court Street, on Wednesday, August 16, 2023 at 4:00 P.M.**

Regular Meeting Agenda

1. Approve Minutes of Regular Meeting of July 19, 2023.
2. Executive Session in accordance with 1 M.S.R.A. § 405 (6) (E) to discuss legal matter.
3. Financial Report Update - Katie Johnston.
4. Ratify Payment of Bills
5. Public Comment
6. Activity Report/Project Update - Matt Waite
7. Old Business
 - Water Quality Update
 - Capacity development grant.
 - 2023 Lead Assistance Grant.
8. New Business
 - CDM Smith Watershed Boundary report.
 - Skelton Taintor and Abbott, transfer of legal files.
 - October Trustee meeting alternate date.
 - Measuring of the Lake.
 - PFAS litigation.
9. Trustee Open Session
10. Adjourn Regular Meeting

Upcoming: Water Trustee Meeting, September 20, 2023 4:00PM

Memo

To: Water & Sewerage District Trustees

From: Michael Broadbent, Superintendent

CC: Files

Date: 8/9/2023

Re: Discussion of July Agenda Items

Water Trustees

Financial Report Highlights

Current revenues are down by \$54,035.11 verse what was budgeted. Last month the month change from budget was almost \$21,000 this month it was slightly under \$5,000. At the close of July 2023 there was 3,435,592.45 cash on hand, an increase of \$150,533.08 from the month prior.

Project Update

Hotel Road

The Hotel Road project is all but complete. Spencer paving was able to complete all paving, but needs to finish some curb work, and the weather has made this a challenge.

Vernon & Grove Area

Taylor - Complete

Ash – Complete

Parker Street - All that is left is raising Gates/Manholes after paving has been completed.

Blake Street - All that is left is raising Gates/Manholes after paving has been completed.

Rowe Street - 250 feet of 8" unlined cast iron main on Rowe Street has been removed and 8" PVC/Bionax main installed. The water main passed the pressure test, it was disinfected, and passed a bacteria sample test. The service lines have been reactivated.

All that is left is raising Gates/Manholes after paving has been completed.

French's Lane - 250 feet of 6" unlined cast iron main on French's Lane has been removed and 8" PVC/Bionax main installed. The water main passed the pressure test, it was disinfected, and passed a bacteria sample test. The service lines have been reactivated.

All that is left is raising Gates/Manholes after paving has been completed.

Second Street - Customers have been notified of the pending project and the fire department has been notified. AWD will tie the temporary 2" fire services for the Boys & Girls Club, and CCS Dental Office. The customers have been notified of the project and Gendron is scheduled to begin 8/14/23.

Dunn Street - ETTI directionally bored and pulled 240 feet of 8" PVC water main on Dunn Street from Second Street to Third Street. AWD Installed new valves at the intersection of Dunn & Second Street. The main has passed the hydrostatic pressure test, has been disinfected and sampled. The main should be active as of 8/14/23.

ETTI directionally bored and pulled 230 feet of 1 1/2" CTS water main on Dunn Street from Fourth Street to Fifth Street. This section of main will not be tied into the distribution system until 2024. The completion of this project will potentially be part of another CIP project in 2024.

Old Business

Water Quality Update

Turbidity has trended slightly below average for this time of year. We're approaching the critical time of year when the lake requires close monitoring. The water level in the lake is above average due to all of the precipitation over the last month.

Capacity Development Grant

The District currently has a Capacity Development Grant to assist with funding a watershed study. We'll be eligible for another Grant in January and it could be used to fund the ground water investigation.

2023 Lead Assistance Grant

The District has accepted the SRF loan. I worked with a vendor to develop specifications and to develop a vacuum truck bid. The DWP has approved the bid package and we're advertising the truck for 1 month.

New Business

CDM Smith Watershed Boundary

CDM Smith has finalized their report on the Gracelawn watershed boundary. A copy of the report is included with this packet. CDM has concluded that the watershed boundary can be moved north to the "DWP Proposed Boundary" without further investigation. The areas north and west that had requested removal will need further exploration and testing to properly determine if they can be removed from the watershed.

Skelton Taintor and Abbott, Transfer of legal files.

We received notification that Jim Pross is leaving Skelton Taintor and Abbott. Jim has been the District's attorney for the past 6 years. We need to decide if we want to stay with Skelton Taintor and Abbott and have our files transferred to another of their attorneys or switch to another firm and attorney.

October Trustee Meetings

I have a conflict for the October Trustee meeting, I will be on vacation. The meeting is scheduled for October 18th. We could proceed with the Meeting and I will prepare Matt to cover for me or we can re-schedule for October 25th.

Measuring of the Lake

For over 30 years the District has had an appreciation dinner for Water and Sewer Trustees to thank them for their services to the District. This event has been called the "measuring of the Lake". The dinner has traditionally been hosted at the Water Treatment facility. At past meetings other officials (City Councilors, Watershed Commissioners, Lewiston City officials and Lewiston Auburn Water Pollution Control Authority) have been invited to the event. They were charged for their attendance and this did cause some issues in the past. This event has not been hosted for a few years mainly due to the pandemic. We could schedule the event for the end of September if that works for all Trustees. We need to decide on a date and menu for the event

PFAS Litigation

I received a call from James Belleau from Trafton, Matzen, Belleau & Frenette, LLP. James was referred to us by Mike Hodgins, James would like to represent the District in a class action Lawsuit against the manufactures of PFAS. PFAS has had a substantial impact on the water industry and there is a settlement

pending that could direct funds to the District for the impact. A standard contingent fee would apply if we agreed to be listed in the suit.

Sewer Trustees

Financial Report Highlights

Revenues are currently down \$33,106.01 from budgeted amounts. The month of July ended with \$2,178,007 cash on hand which is an increase of \$188,922 from the month prior.

Project Update

Lining Project

The lining project contracted through Green Mountain is complete; approximately 7,400 feet of the 9,000 feet of sewer main has been lined. Portions of the project were decidedly not completed because of the scope of repairs to facilitate the completion would have severely impacted the delivery of the project and the budget. For instance, there were segments of main that would have required disturbing and relocating existing water main.

W-6

ASD anticipates starting this project at the beginning of September. The Severe Storms has not lent itself to beginning this project because of the water table level of Taylor Pond.

New Business

2024 Sewer Re-line Project

We're working with Vortex to schedule a camera truck to start inspecting mains and to determine what areas are suitable for lining and what areas will need replacement. Some of the Streets we'll be inspecting include: Loring, Dunn, Spring just to name a few. We expect the camera work could cost around \$15K.

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LAWPCA Apportionment & Financials

Old Business

Washington Street Pumping Station Design

Still waiting on the final design from Wright-Pirce.

Sewer Use Rules and Regulations

At previous meetings I have expressed interest in adopting a Pump Station Policy into the District's Sewer Use Rules and Regulations. The Rules and Regulations were last updated in 2010. I've spent time going through this document and I have found several other areas that need to be updated. I would like to consult with legal counsel on the proper process to update this document. I'm hoping to present the final draft to the Board in August for consideration.

Fiscal Sustainability Plan

Wright Pierce has a crew coming to inspect manholes in areas of the City that have not previously been inspected. This will be incorporated into the Fiscal Plan for the Sewer District.

Lead Assistance Grant

See AWD New Business for status.

07/26/2023

The regular monthly meeting of the Trustees of the Auburn Water District was held at 268 Court Street, Auburn, Maine on Wednesday, July 19, 2023 at 4:00 p.m.

Members present: Kevin Arel, Dan Bilodeau, Robert Cavanagh, Eric Gould, Jason Pawlina and Andrew Titus, Treasurer. Also present: Michael Broadbent, Superintendent, Matthew Waite, Assistant Superintendent, Katharine Johnston, Finance Director.

Members absent: Stephen Milks, President and Mayor's Representative

APPROVE MINUTES OF REGULAR MEETING of June 21, 2023

On a motion of Kevin Arel, seconded by Eric Dan Bilodeau, it was unanimously voted: **To accept the minutes of the Regular Meeting.**

On a motion of Jason Pawlina, seconded by Robert Cavanagh, it was unanimously voted: **To move the executive session on the agenda to after item nine.**

FINANCIAL REPORT UPDATE

Current revenues are down by \$49,101.03 verse what was budgeted. At the close of June 2023 there was \$3,285,059.37 cash on hand, an increase of \$26,292.76 from the month prior. Board members were also given a revised Operating Statement.

RATIFY PAYMENT OF BILLS

On a motion of Robert Cavanagh, seconded by Kevin Arel, it was unanimously voted: **To ratify payment of bills in the amount of \$489,108.48 as shown on the printout dated June 1st through June 30, 2023.**

PUBLIC COMMENT

Stephen Beale asked for a CDM report status. Superintendent Michael Broadbent responded that the packets went out just prior to him receiving a draft copy and that we would be discussing the draft later on in the meeting.

ACTIVITY REPORT / PROJECT UPDATE

The Hotel Road Project is all but complete. AWD is waiting on Spencer Paving to finish paving; the weather has made this a challenge.

Vernon & Grove Area

Parker Street; 245 feet of 6" unlined cast iron main on Parker Street has been removed and new 8" Bionax main installed. The water main passed the pressure test, it was disinfected, and passed a bacteria sample test. The service lines have been reactivated.

Blake Street; 250 feet of 8" unlined cast iron main on Blake Street has been removed and 8" Bionax main installed. The water main passed the pressure test, it was disinfected, and passed a bacteria sample test. The service lines have been reactivated.

Rowe Street; 250 feet of 8" unlined cast iron main on Rowe Street has been removed and 8" PVC main installed.

07/26/2023

The water crew is approximately 3 weeks ahead of Gendron & Gendron who is the contractor for the Auburn Recondition Project. French's Lane is the last remaining water main scheduled to be replaced and work has been initiated.

Second Street; Customers have been notified of the pending project and fire department has been notified. AWD worked jointly with AFD to supply limited water for two fire services located within the shutdown. Gendron & Gendron is behind schedule and will not start until late July.

Dunn Street; ETTI directionally bored and pulled 240 feet of 8" PVCO water main on Dunn Street from Second Street to Third Street. There is still a lot of work to be done and the remainder is scheduled for mid to late July. ETTI also directionally bored and pulled 230 feet of 1.5" CTS water main on Dunn Street from Fourth Street to Fifth Street. There is still a lot of work to be done and the remainder is scheduled for mid to late July.

A power point presentation was shown in regards to the Lead Copper Rule.

OLD BUSINESS

Lake Auburn Watershed Protection Commission Update

The Commission held a special meeting in July to attend to business that was not completed in June. They continue to develop by-laws and they are finishing the update of the Watershed Management Plan/ They have appointed two members to serve on the ad-hoc committee recommended by the District.

Water Quality Update

Turbidity continues to trend down and we seem to have plateaued with SECCHI at 10.5M. Clarity has also improved in other parts of the lake which we are happy to see.

We are seeing Synura in the algae samples. Probably below the thermocline in the cooler water. Synura is an algae responsible for cucumber taste and odors. It thrives in colder water. We will continue to monitor its presence and concentration in the water column. The thermocline is around 6 Meters. The water temperature heated up quickly with the weather. The lake is elevated compared to normal elevations this time of year.

At the treatment plant we are dealing with some issues with UV lamps and a new design grounding wire(solid not braided) that stains the quartz tubes. We are working with the manufacturer to swap those out. Recently, we have performed vibration analysis to the low and high lift motors. We still have some resonance (vibration) issues with the 4 raw water assemblies that we will continue to address.

The contractor asked to inspect the vanes on the pumps for 2, 3 and 4. We will plan on cleaning the clear well this Fall.

2023 Lead Assistance Grant

The Auburn Water District was approved for a loan in the amount of \$650,000 by the Maine Drinking Water Program. This loan request was filed to purchase a vactor truck to be used to develop out lead service line inventory before October 2024.

The loan was approved with a 55% grant (\$375,000), for a term of 20 years at 0% interest. This is an excellent opportunity to secure critical equipment that will allow us to complete the required work and realize an additional capital savings to rate payers of \$3,500,000.

07/26/2023

The District has until July 21, 2023 to accept the offer. I am requesting the Board's consideration and approval of this loan so that we can get started on this as soon as possible.

On a motion of Kevin Arel, seconded by Robert Cavanagh, it was unanimously voted: **Approval of loan for vactor truck with a 55% grant from the State.**

NEW BUSINESS

Sustainable Water Supply Alternatives

The Sub-Committee met on June 15th and reviewed the Town Wide Feasibility Study prepared by Weston and Sampson. The Committee would like to proceed with this work. This not something we are currently budgeted for. This type of study qualifies for a Capacity Development Grant from the Maine Drinking Water Program for up to \$30,000. We would have to wait until 2024 to apply for the funds and it would require us to bid the work.

CDM Smith Watershed Boundary

On Monday July 10, CDM Smith presented their findings on the Gracelawn Watershed Boundary to the Maine Drinking Water Program. CDM Smith completed 3D modeling of the surface and ground water for the areas in question. This work proves there are areas that are currently in the watershed that should not be because the surface and ground water do not flow towards the lake. They plan to delineate a new boundary line that be considered by the two water entities and the Drinking Water Program. The DWP agreed to review the report and they consider an alternate watershed boundary if the information is complete. The draft report was submitted on July 14th, 2023.

TRUSTEE OPEN SESSION

None

EXECUTIVE SESSION IN ACCORDANCE with 1 M.S.R.A. § 405 (6) (E) to DISCUSS A LEGAL MATTER

On a motion of Kevin Arel seconded by Eric Gould, it was unanimously voted: **To move into executive session.**

Exited executive session at 5:30PM

On a motion of Robert Cavanagh, seconded Dan Bilodeau, it was unanimously voted: **To adjourn.**

Respectfully submitted,

Katharine Johnston

**AUBURN WATER DISTRICT
OPERATING STATEMENT - TRUSTEES' REPORT
SEVEN MONTHS ENDED JULY 31 2023**

	JULY	2023	Y-T-D JULY 2023		
	YTD - 2022	BUDGET	ACTUAL	BUDGET	VARIANCE
<u>REVENUES:</u>					
Water Sales	\$1,681,587	\$2,951,442	\$1,406,871	\$1,688,083	-\$281,212
Rent income	45,365	80,424	37,958	46,914	-8,956
Interest Income	5,354	11,554	17,953	6,740	11,213
Mdse. & Jobbing - NET	(3,917)	55,812	26,358	32,557	-6,199
Hydrant Rental	477,039	817,781	408,891	477,039	-68,148
Private Fire Prot.	260,275	444,027	230,603	259,016	-28,413
Misc. Op. Revenue	61,857	96,852	39,257	56,497	-17,240
TOTAL REVENUES	2,527,560	4,457,892	\$2,167,891	\$2,566,846	-\$398,955
			49%	58%	< Standard
<u>EXPENSES:</u>					
Payroll	566,896	1,039,534	\$662,324	\$625,108	\$37,216
Treatment:					
UV Treatment Plant	218,334	431,059	\$243,095	\$251,451	-\$8,356
Chloramine Facility	5,012	17,704	\$10,052	\$10,327	-\$275
Laboratory	13,386	42,756	\$10,140	\$24,941	-\$14,801
Trans & Dist Maint:					
Maint of Mains	93,684	100,000	\$66,065	\$58,333	\$7,732
Dist System	67,758	118,045	57,329	\$68,860	-\$11,531
Other	11,439	22,983	\$24,139	\$13,407	\$10,733
Administration:					
Employee Benefits	215,206	433,071	\$175,264	\$252,625	-\$77,361
Legal & Accounting	52,118	70,000	\$54,521	\$40,833	\$13,687
Customer Billing	17,054	27,016	\$17,003	\$15,759	\$1,244
Insurances	41,988	63,127	\$42,217	\$36,824	\$5,393
Other	38,689	64,534	\$29,164	\$37,645	-\$8,481
Vehicles	66,838	117,826	\$58,561	\$68,732	-\$10,171
Gull Management	48,500	63,320	\$43,250	\$36,937	\$6,313
Lake Auburn Watershed	41,566	85,000	\$484	\$49,583	-\$49,099
SUB-TOTAL	1,498,468	2,695,975	\$1,493,607	\$1,591,365	-\$97,758
			55%	58%	< Standard
Interest	72,691	151,680	\$63,500	\$88,480	-\$24,980
TOTAL EXPENSES	1,571,159	2,847,655	\$1,557,107	\$1,679,845	-\$122,738
Bonds - Principal Payments	152,951	753,709	\$184,000	\$439,664	-\$255,664
SURPLUS FROM OPERATIONS	803,450	856,528	\$426,784	\$447,337	-\$20,553

**Auburn Water District
Accounts Payable Check Register
July 1, 2023 thru July 31, 2023**

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19791	7/7/2023	7	Leslie Porreca	7/7/2023		33.91
					Refnd Tenant Dep Balance A/R - Customers Accts Rec	
						<u>33.91</u>
19792	7/7/2023	6	Ace Detective & Security	6/5/2023		4,543.50
					traffic control 22-23 HotelRd Main Elimination	
						<u>4,543.50</u>
19793	7/7/2023	6	Ben Alpren Machine	6/27/2023		51.95
					Misc Supplies Supplies - T&D - Ops	
19793	7/7/2023	6	Ben Alpren Machine	6/26/2023		59.09
					Drill Bits Supplies - T&D - Ops	
						<u>111.04</u>
19794	7/7/2023	6	Amos Development	7/6/2023		7,440.00
					2023 Second St. Main Replace	
19794	7/7/2023	6	Amos Development	7/6/2023		4,040.00
					Contracted Labor/Equip A/R - Auburn Sewer	
19794	7/7/2023	6	Amos Development	7/6/2023		4,040.00
					Contracted Labor/Equip 22-23 HotelRd Main Elimination	
						<u>15,520.00</u>
19795	7/7/2023	7	Michael Broadbent	7/1/2023		175.00
					July Mileage A/R - Auburn Sewer	
19795	7/7/2023	7	Michael Broadbent	7/1/2023		175.00
					July Mileage Misc Expense-T&D Ops	
						<u>350.00</u>
19796	7/7/2023	6	Coastal Auto Parts	6/30/2023		241.06
					Absorbt Pads-Car Accident Watershed Expenses	
19796	7/7/2023	6	Coastal Auto Parts	6/30/2023		97.24
					Shop Supplies Supplies - T&D - Ops	
19796	7/7/2023	6	Coastal Auto Parts	6/30/2023		97.25
					A/R - Auburn Sewer	
19796	7/7/2023	6	Coastal Auto Parts	6/30/2023		194.52
					Battery TRUCK #49 (2020 CAT BACKH	
						<u>630.07</u>

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19797	7/7/2023	7	Constellation NewEnergy, Inc.	6/26/2023	UV#2 Accrued Power	7,414.39
						<u>7,414.39</u>
19798	7/7/2023	7	The Computer Place	7/1/2023	A/R - Auburn Sewer	358.12
19798	7/7/2023	6	The Computer Place	6/29/2023	A/R - Auburn Sewer	67.50
19798	7/7/2023	6	The Computer Place	6/29/2023	IT Support Outside Services - A&G	67.50
19798	7/7/2023	6	The Computer Place	6/29/2023	IT Support Outside Services - A&G	33.75
19798	7/7/2023	7	The Computer Place	7/1/2023	IT Support Outside Services - A&G	358.13
19798	7/7/2023	6	The Computer Place	6/29/2023	A/R - Auburn Sewer	33.75
19799	7/7/2023	7	Dig Safe System, Inc.	7/3/2023	July Ops Misc Expense-Mains	<u>918.75</u> 273.35
19799	7/7/2023	7	Dig Safe System, Inc.	7/3/2023	A/R - Auburn Sewer	273.35
19800	7/7/2023	6	Harcros Chemicals, Inc.	6/13/2023	Sod Hydro Chemical Expense	<u>546.70</u> 9,438.06
19801	7/7/2023	6	Home Depot Credit Services	6/25/2023	Impact Driver & Misc Tools A/R - Auburn Sewer	<u>9,438.06</u> 172.01
19801	7/7/2023	6	Home Depot Credit Services	6/25/2023	Impact Driver & Misc Tools Supplies - T&D - Ops	172.00
19801	7/7/2023	6	Home Depot Credit Services	6/25/2023	Supplies-Returned 2023 UV Turbidimeter	-159.14
19802	7/7/2023	6	MissionSquare	6/30/2023	304412 ICMA 457 Accrued - Deferred Comp	<u>184.87</u> 2,292.73

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19803	7/7/2023	6	MissionSquare	6/30/2023	109363 ICMA 401 Employee Benefits	<u>2,292.73</u> 5,374.37
19804	7/7/2023	6	MissionSquare	6/30/2023	705328 Roth IRA Accrued - IRA/ICMA	<u>5,374.37</u> 1,266.64
19805	7/7/2023	6	K. L. Jack & Co., Inc.	6/26/2023	Supplies Supplies - T&D - Ops	<u>1,266.64</u> 22.04
19805	7/7/2023	6	K. L. Jack & Co., Inc.	6/26/2023	Supplies Supplies - T&D - Ops	8.53
19805	7/7/2023	6	K. L. Jack & Co., Inc.	6/26/2023	Supplies Supplies - T&D - Ops	25.98
19805	7/7/2023	6	K. L. Jack & Co., Inc.	6/13/2023	bolts Supplies - Hydrants	37.25
19805	7/7/2023	6	K. L. Jack & Co., Inc.	6/15/2023	Supplies Meters & Installations	118.58
19806	7/7/2023	7	Lake Auburn Watershed Comm.	7/8/2023	July Payment Watershed Expenses	<u>212.38</u> 7,083.33
19807	7/7/2023	7	Treasurer, State of Maine	7/7/2023	Lab Certification UV Treatment Plant - O&M	<u>7,083.33</u> 737.50
19807	7/7/2023	7	Treasurer, State of Maine	7/7/2023	Lab Certification A/R - Lewiston	737.50
19808	7/7/2023	6	Ness Oil Co.	6/30/2023	TRUCK #42 (2006 Volvo)	<u>1,475.00</u> 758.41
19808	7/7/2023	6	Ness Oil Co.	6/30/2023	A/R - Auburn Sewer	441.16
19808	7/7/2023	6	Ness Oil Co.	6/30/2023	TRUCK #48 (2020 CHEVY COL	189.71

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19808	7/7/2023	6	Ness Oil Co.	6/30/2023		74.84
					TRUCK #36 (2013 Ford F150)	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		105.88
					TRUCK # 33 (2012 FORD TRUC	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		454.10
					A/R - Auburn Sewer	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		767.32
					TRUCK #41 (2016 CHVY SILVR	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		946.15
					TRUCK #38 (2015 FORD F250)	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		230.39
					A/R - Auburn Sewer	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		943.23
					TRUCK #50 (2022 VOLVO DUM	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		298.69
					TRUCK #45 (2019 CHVY SILVE	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		397.25
					TRUCK #51 (2022 FORD 1-TON	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		352.83
					TRUCK #47 (2019 FORD 3/4 TC	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		68.98
					Rental Vehicles	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		46.80
					A/R - Auburn Sewer	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		479.97
					TRUCK #39 (2015 FORD F250)	
19808	7/7/2023	6	Ness Oil Co.	6/30/2023		46.80
					June Fuel Supplies - T&D - Ops	
19810	7/7/2023	6	Paul's Clothing & Shoe	6/28/2023		<u>6,602.51</u>
					Cloth Allow Employee Benefits	229.99

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Accounts Payable Check Register
July 1, 2023 thru July 31, 2023**

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19811	7/7/2023	6	Petro's	6/14/2023		<u>229.99</u> 111.96
					Calcuim Flake 22-23 HotelRd Main Elimination	
19811	7/7/2023	6	Petro's	6/20/2023		179.99
					grass seed 22-23 HotelRd Main Elimination	
19811	7/7/2023	6	Petro's	6/23/2023		179.99
					grass seed 22-23 HotelRd Main Elimination	
19811	7/7/2023	7	Petro's	7/6/2023		89.96
					calcium flake 2022 Vernon Area Main Replace	
19812	7/7/2023	6	E.J. Prescott, Inc.	6/14/2023		<u>561.90</u> 1,804.72
					Expenses - Jobbing	
19812	7/7/2023	6	E.J. Prescott, Inc.	6/21/2023		2,605.60
					Supplies 2023 Second St. Main Replace	
19812	7/7/2023	6	E.J. Prescott, Inc.	6/21/2023		3,545.74
					Supplies 2023 Second St. Main Replace	
19812	7/7/2023	6	E.J. Prescott, Inc.	6/13/2023		815.01
					Supplies 2023 Second St. Main Replace	
19812	7/7/2023	6	E.J. Prescott, Inc.	6/13/2023		17.22
					Supplies Supplies - Services	
19812	7/7/2023	6	E.J. Prescott, Inc.	6/13/2022		106.72
					Supplies Inventory	
19813	7/7/2023	6	Reggie's Sales & Service	6/27/2023		<u>8,895.01</u> 18.75
					Throttle Locket Kit A/R - Auburn Sewer	
19813	7/7/2023	6	Reggie's Sales & Service	6/27/2023		18.74
					Throttle Locket Kit Equipment Maintenance	
19814	7/7/2023	7	Pitney Bowes-Reserve Account	7/7/2023		<u>37.49</u> 300.00
					Replenish Postage Acct A/R - Auburn Sewer	
19814	7/7/2023	7	Pitney Bowes-Reserve Account	7/7/2023		200.00
					Replenish Postage Acct A/R - Auburn Sewer	

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19814	7/7/2023	7	Pitney Bowes-Reserve Account	7/7/2023		200.00
					Replenish Postage Acct Misc Expense-A&G Office	
19814	7/7/2023	7	Pitney Bowes-Reserve Account	7/7/2023		300.00
					Replenish Postage Acct Misc Expense-Billing	
19815	7/7/2023	6	Selco Plumbing and	6/28/2023		<u>1,000.00</u> 9.99
					Valve 2022 Vernon Area Main Replace	
19816	7/7/2023	6	U.S. Cellular	6/16/2023		<u>9.99</u> 30.00
					June Bill Telephone - Treatment	
19816	7/7/2023	6	U.S. Cellular	6/16/2023		300.58
					A/R - Auburn Sewer	
19816	7/7/2023	6	U.S. Cellular	6/16/2023		300.58
					Misc Expense-T&D Ops	
19816	7/7/2023	6	U.S. Cellular	6/16/2023		20.00
					A/R - Lewiston	
19816	7/7/2023	6	U.S. Cellular	6/16/2023		20.00
					A/R - Lewiston	
19817	7/7/2023	6	Voyager Networks New England	7/1/2023		<u>671.16</u> 62.35
					Ans. Service A/R - Auburn Sewer	
19817	7/7/2023	6	Voyager Networks New England	7/1/2023		62.35
					Ans. Service Misc Expense-A&G Office	
19818	7/7/2023	6	Matthew Waite	5/20/2023		<u>124.70</u> 443.60
					Cloth Allow Employee Benefits	
19819	7/7/2023	6	Warren's Office Supplies	6/16/2023		<u>443.60</u> 39.24
					Liners, Towels, Etc Supplies - T&D - Ops	
19819	7/7/2023	6	Warren's Office Supplies	6/19/2023		57.52
					Hand Soap Supplies - T&D - Ops	
19819	7/7/2023	6	Warren's Office Supplies	6/19/2023		57.53
					Hand Soap A/R - Auburn Sewer	

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19819	7/7/2023	6	Warren's Office Supplies	6/16/2023	Liners, Towels, Etc A/R - Auburn Sewer	39.24
19820	7/14/2023	7	Adam Gerber	7/14/2023	Refund Final Overpd A/R - Customers Accts Rec	<u>193.53</u> 103.48
19821	7/14/2023	6	Ace Detective & Security	6/26/2023	traffic control 22-23 HotelRd Main Elimination	<u>103.48</u> 1,686.75
19821	7/14/2023	6	Ace Detective & Security	6/26/2023	A/R - Auburn Sewer	1,540.50
19822	7/14/2023	7	Amos Development	7/10/2023	Contracted Labor/Equip 2022 Vernon Area Main Replace	<u>3,227.25</u> 4,040.00
19822	7/14/2023	7	Amos Development	7/10/2023	Contracted Labor/Equip A/R - Auburn Sewer	12,120.00
19822	7/14/2023	7	Amos Development	7/10/2023	Contracted Labor/Equip Dunn Street Project 2023	3,400.00
19823	7/14/2023	7	City of Auburn	6/29/2023	Traffic Detail Misc Expense-Mains	<u>19,560.00</u> 640.00
19823	7/14/2023	5	City of Auburn	5/8/2023	Excavation Permits Misc Expense-Mains	-360.00
19823	7/14/2023	7	City of Auburn	6/29/2023	Traffic Detail A/R - Auburn Sewer	5,420.00
19824	7/14/2023	7	Charter Communications	7/6/2023	268 Court - internet A/R - Auburn Sewer	<u>5,700.00</u> 67.49
19824	7/14/2023	7	Charter Communications	7/6/2023	268 Court - internet Telephone-A&G Office	67.49
19825	7/14/2023	7	Constellation NewEnergy, Inc.	7/6/2023	S. Goff St Accrued Power	<u>134.98</u> 4.37

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19825	7/14/2023	7	Constellation NewEnergy, Inc.	7/6/2023		403.62
					268 Court St Accrued Power	
19825	7/14/2023	7	Constellation NewEnergy, Inc.	7/7/2023		0.90
					Troy St Accrued Power	
19825	7/14/2023	7	Constellation NewEnergy, Inc.	7/3/2023		2.96
					Tower Rd Accrued Power	
19826	7/14/2023	7	The Computer Place	7/6/2023		<u>411.85</u> 67.50
					IT Support Outside Services - A&G	
19826	7/14/2023	7	The Computer Place	7/6/2023		67.50
					A/R - Auburn Sewer	
19827	7/14/2023	7	Dube Gravel Company, Inc.	7/5/2023		<u>135.00</u> 2,860.00
					Sand/Gravel 22-23 HotelRd Main Elimination	
19827	7/14/2023	7	Dube Gravel Company, Inc.	7/5/2023		180.00
					Sand Dunn Street Project 2023	
19827	7/14/2023	7	Dube Gravel Company, Inc.	7/5/2023		5,760.00
					Supplies - T&D - Mnt	
19827	7/14/2023	7	Dube Gravel Company, Inc.	7/5/2023		736.00
					Sand/Gravel A/R - Auburn Sewer	
19828	7/14/2023	7	Eaton Peabody, PA	6/28/2023		<u>9,536.00</u> 135.00
					Audit Response Legal Expenses	
19829	7/14/2023	7	Firesafe Equipment, Inc.	5/31/2023		<u>135.00</u> 16.40
					Refill Supplies - T&D - Ops	
19829	7/14/2023	7	Firesafe Equipment, Inc.	5/31/2023		16.40
					Refill A/R - Auburn Sewer	
19830	7/14/2023	6	Goodscapes Lawn Care	6/1/2023		<u>32.80</u> 1,123.00
					Lawn-care Services Misc Expense-Landscaping	
19830	7/14/2023	6	Goodscapes Lawn Care	6/1/2023		1,123.00
					A/R - Auburn Sewer	

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19831	7/14/2023	7	Travis Leavitt	7/11/2023		<u>2,246.00</u>
					Cloth Allow Employee Benefits	158.22
19832	7/14/2023	7	Treasurer, State of ME-HETL	6/28/2023		<u>158.22</u>
					In Lake testing Outside Services - Lab Tests	690.00
19832	7/14/2023	7	Treasurer, State of ME-HETL	6/28/2023		690.00
					A/R - Lewiston	
19833	7/14/2023	7	Maine Municipal Assoc.	7/1/2023		<u>1,380.00</u>
					Worker's Comp Insurance - Workers Comp	3,124.20
19834	7/14/2023	7	Maine Municipal Bond Bank	6/20/2023		<u>3,124.20</u>
					Bonds - 2019 - Principal	39,392.00
19834	7/14/2023	7	Maine Municipal Bond Bank	6/20/2023		3,461.40
					2019SR Accrued Interest	
19835	7/14/2023	7	Paris Farmers' Union	5/27/2023		<u>42,853.40</u>
					Shovels Supplies - T&D - Ops	12.59
19835	7/14/2023	7	Paris Farmers' Union	5/27/2023		12.59
					Shovels A/R - Auburn Sewer	
19836	7/14/2023	7	E.J. Prescott, Inc.	6/22/2023		<u>25.18</u>
					Supplies Supplies - Services	740.17
19836	7/14/2023	7	E.J. Prescott, Inc.	6/13/2023		4,151.60
					Valve Box Supplies Supplies - Services	
19836	7/14/2023	7	E.J. Prescott, Inc.	6/22/2023		180.88
					chg out Expenses - Jobbing	
19836	7/14/2023	7	E.J. Prescott, Inc.	6/22/2023		376.39
					chg out Expenses - Jobbing	
19836	7/14/2023	7	E.J. Prescott, Inc.	6/22/2023		539.56
					chg out Expenses - Jobbing	
						<u>5,988.60</u>

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19837	7/14/2023	7	Rent-It Of Maine, Inc.	7/5/2023		1,831.75
					excavator rental 2022 Vernon Area Main Replace	
19837	7/14/2023	7	Rent-It Of Maine, Inc.	7/5/2023		1,831.75
					A/R - Auburn Sewer	
19838	7/14/2023	7	Super Shoe Stores, Inc.	6/30/2023		<u>3,663.50</u> 544.94
					Cloth Allow Employee Benefits	
19839	7/14/2023	7	Unifirst Corp	6/22/2023		<u>544.94</u> 173.04
					Rug Maint UV Treatment Plant - O&M	
19839	7/14/2023	7	Unifirst Corp	6/22/2023		173.04
					A/R - Lewiston	
19840	7/14/2023	7	UNITIL ME	6/30/2023		<u>346.08</u> 161.96
					268 Court St-Natl Gas Supplies - T&D - Ops	
19840	7/14/2023	7	UNITIL ME	6/30/2023		161.97
					268 Court St-Natl Gas A/R - Auburn Sewer	
19840	7/14/2023	7	UNITIL ME	6/30/2023		221.88
					Pump House- Nat'l Gas Supplies - T&D - Ops	
19841	7/14/2023	7	UPS	7/1/2023		<u>545.81</u> 51.80
					DeNora Shipping UV Treatment Plant - O&M	
19841	7/14/2023	7	UPS	7/1/2023		51.80
					A/R - Lewiston	
19842	7/14/2023	6	V W R International LLC	6/20/2023		<u>103.60</u> 47.10
					Supplies UV Treatment Plant - O&M	
19842	7/14/2023	6	V W R International LLC	6/20/2023		47.11
					A/R - Lewiston	
19843	7/14/2023	7	Matthew Waite	7/13/2023		<u>94.21</u> 34.27
					Supplies-Emp Lucheon Misc Expense-T&D Ops	

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19843	7/14/2023	7	Matthew Waite	7/13/2023	Supplies-Emp Luceon A/R - Auburn Sewer	34.28
19844	7/21/2023	7	Ace Detective & Security	7/3/2023	traffic control 22-23 HotelRd Main Elimination	<u>68.55</u> 555.75
19845	7/21/2023	7	Amos Development	7/20/2023	A/R - Auburn Sewer	<u>555.75</u> 4,040.00
19845	7/21/2023	7	Amos Development	7/20/2023	Misc Expense-Mains	2,900.00
19845	7/21/2023	7	Amos Development	7/20/2023	Contracted Labor/Equip 2023 Second St. Main Replace	10,200.00
19846	7/21/2023	7	Androscoggin Registry Of	7/21/2023	Release/Place Liens Misc Expense-Collections	<u>17,140.00</u> 70.00
19847	7/21/2023	7	Auburn Aggregates	7/5/2023	stone dust 2023 Second St. Main Replace	<u>70.00</u> 73.75
19848	7/21/2023	7	Center Street Auto	7/18/2023	Insp Sticker & LOF TRUCK #36 (2013 Ford F150)	<u>73.75</u> 63.33
19849	7/21/2023	7	Coastal T-Shirts	6/6/2023	Cloth Allow Employee Benefits	<u>63.33</u> 439.15
19849	7/21/2023	7	Coastal T-Shirts	3/30/2023	A/R - Auburn Sewer	97.50
19849	7/21/2023	7	Coastal T-Shirts	3/30/2023	Safety Vests Supplies - Safety Items	97.50
19849	7/21/2023	7	Coastal T-Shirts	6/6/2023	A/R - Auburn Sewer	41.25
19850	7/21/2023	7	Constellation NewEnergy, Inc.	7/11/2023	Mill St Accrued Power	<u>675.40</u> 0.94
						<u>0.94</u>

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19851	7/21/2023	7	The Computer Place	7/12/2023	IT Support Outside Services - A&G	67.50
19851	7/21/2023	7	The Computer Place	7/10/2023	IT Support Outside Services - A&G	101.25
19851	7/21/2023	7	The Computer Place	7/12/2023	A/R - Auburn Sewer	67.50
19851	7/21/2023	7	The Computer Place	7/14/2023	IT Support Outside Services - A&G	33.75
19851	7/21/2023	7	The Computer Place	7/12/2023	A/R - Auburn Sewer	33.75
19851	7/21/2023	7	The Computer Place	7/10/2023	A/R - Auburn Sewer	101.25
19851	7/21/2023	7	The Computer Place	7/11/2023	IT Support Outside Services - A&G	33.75
19851	7/21/2023	7	The Computer Place	7/12/2023	IT Support Outside Services - A&G	33.75
19851	7/21/2023	7	The Computer Place	7/11/2023	A/R - Auburn Sewer	33.75
19851	7/21/2023	7	The Computer Place	7/14/2023	A/R - Auburn Sewer	33.75
19852	7/21/2023	6	De Nora Water Technologies LLC	6/29/2023	A/R - Lewiston	<u>540.00</u> 175.00
19852	7/21/2023	6	De Nora Water Technologies LLC	6/29/2023	Sensor Recal UV Treatment Plant - O&M	175.00
19853	7/21/2023	7	Eaton Peabody, PA	7/17/2023	Services thru 063023 Legal Expenses	<u>350.00</u> 2,360.50
19854	7/21/2023	6	Enterprise Electric, Inc	7/3/2023	Contracted Work Dunn Street Project 2023	<u>2,360.50</u> 23,420.92
						<u>23,420.92</u>

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19855	7/21/2023	6	Fastenal Company	6/29/2023		162.61
					Safety gloves & glasses Supplies - Safety Items	
19855	7/21/2023	6	Fastenal Company	6/29/2023		162.62
					Safety gloves & glasses A/R - Auburn Sewer	
19856	7/21/2023	7	FirstLight	7/7/2023		<u>325.23</u> 96.10
					July Phone/Internet A/R - Auburn Sewer	
19856	7/21/2023	7	FirstLight	7/7/2023		71.32
					July Phone/Internet A/R - Lewiston	
19856	7/21/2023	7	FirstLight	7/7/2023		71.31
					July Phone/Internet Telephone - Treatment	
19856	7/21/2023	7	FirstLight	7/7/2023		60.50
					July Phone/Internet A/R - Lewiston	
19856	7/21/2023	7	FirstLight	7/7/2023		60.50
					July Phone/Internet Telephone-A&G Office	
19856	7/21/2023	7	FirstLight	7/7/2023		62.50
					July Phone/Internet Chloramine Facility - O&M	
19856	7/21/2023	7	FirstLight	7/7/2023		62.50
					July Phone/Internet A/R - Lewiston	
19856	7/21/2023	7	FirstLight	7/7/2023		62.50
					July Phone/Internet UV Treatment Plant - O&M	
19856	7/21/2023	7	FirstLight	7/7/2023		62.50
					July Phone/Internet A/R - Lewiston	
19856	7/21/2023	7	FirstLight	7/7/2023		96.10
					July Phone/Internet Telephone-A&G Office	
19857	7/21/2023	6	Granite State Analytical Svcs	7/2/2023		<u>705.83</u> 740.00
					Lead & Copper Testing Outside Services - Lab Tests	
19858	7/21/2023	8	Group Dynamic Inc	7/14/2023		<u>740.00</u> 64.00
					HRA-Aug Employee Benefits	
						<u>64.00</u>

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19859	7/21/2023	6	Bisson Enterprises, Inc. DBA	6/30/2023		350.00
					A/R - Auburn Sewer	
19859	7/21/2023	6	Bisson Enterprises, Inc. DBA	6/30/2023		350.00
					June Cleaning Outside Services - T&D - Mnt	
19859	7/21/2023	6	Bisson Enterprises, Inc. DBA	6/30/2023		206.00
					A/R - Lewiston	
19859	7/21/2023	6	Bisson Enterprises, Inc. DBA	6/30/2023		206.00
					June Cleaning UV Treatment Plant - O&M	
19860	7/21/2023	7	Intrado Interactive Services	6/30/2023		<u>1,112.00</u>
						50.79
					A/R - Auburn Sewer	
19860	7/21/2023	7	Intrado Interactive Services	6/30/2023		50.79
					Auto Calls Misc Expense-Collections	
19861	7/21/2023	7	Treasurer, State of Maine	7/6/2023		<u>101.58</u>
						1,557.00
					FY2024 Assessment Pre-Paids	
19862	7/21/2023	7	Treasurer, State of ME-HETL	7/12/2023		<u>1,557.00</u>
						510.00
					In Lake testing Outside Services - Lab Tests	
19862	7/21/2023	7	Treasurer, State of ME-HETL	7/12/2023		552.50
					perimeter testing Outside Services - Lab Tests	
19862	7/21/2023	7	Treasurer, State of ME-HETL	7/12/2023		510.00
					In Lake testing Outside Services - Lab Tests	
19862	7/21/2023	7	Treasurer, State of ME-HETL	7/12/2023		510.00
					A/R - Lewiston	
19862	7/21/2023	7	Treasurer, State of ME-HETL	7/12/2023		552.50
					A/R - Lewiston	
19862	7/21/2023	7	Treasurer, State of ME-HETL	7/12/2023		510.00
					A/R - Lewiston	
19863	7/21/2023	8	Maine Municipal Emp.Hlth.	7/10/2023		<u>3,145.00</u>
						105.20
					39020-Aug Ins Accrued - Life Insurance	

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19863	7/21/2023	8	Maine Municipal Emp.Hlth.	7/10/2023		1,132.24
					39020-Aug Ins Accrued - IPP Withheld	
19863	7/21/2023	8	Maine Municipal Emp.Hlth.	7/10/2023		978.18
					39020-Aug Ins Accrued - Dental	
19863	7/21/2023	8	Maine Municipal Emp.Hlth.	7/10/2023		52.20
					39020-Aug Ins Employee Benefits	
19864	7/21/2023	7	Treasurer, State of Maine	7/5/2023		<u>2,267.82</u> 10,352.00
					2024 Drinking Water Fee Pre-Paid	
19865	7/21/2023	7	Maine Water Utilities Assoc.	7/13/2023		<u>10,352.00</u> 27.50
					MWUA Outing UV Treatment Plant - O&M	
19865	7/21/2023	7	Maine Water Utilities Assoc.	7/13/2023		27.50
					MWUA Outing A/R - Lewiston	
19866	7/21/2023	7	New England Truck Tire	7/11/2023		<u>55.00</u> 1,584.56
					Equip Trailer Tires A/R - Auburn Sewer	
19866	7/21/2023	7	New England Truck Tire	7/11/2023		1,584.56
					Equip Trailer Tires Equipment Maintenance	
19867	7/21/2023	7	Northern Data Systems, Inc.	7/6/2023		<u>3,169.12</u> 87.50
					Tech Support Outside Services - A&G	
19867	7/21/2023	7	Northern Data Systems, Inc.	7/6/2023		87.50
					Tech Support A/R - Auburn Sewer	
19867	7/21/2023	7	Northern Data Systems, Inc.	7/13/2023		1,135.19
					Billing Outside Services - Customers	
19867	7/21/2023	7	Northern Data Systems, Inc.	7/13/2023		1,135.19
					A/R - Auburn Sewer	
19868	7/21/2023	7	Petro's	7/14/2023		<u>2,445.38</u> 63.98
					A/R - Auburn Sewer	
19868	7/21/2023	7	Petro's	7/14/2023		63.98
					grade stakes Supplies - T&D - Ops	

**Auburn Water District
Accounts Payable Check Register
July 1, 2023 thru July 31, 2023**

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19869	7/21/2023	7	Pine Tree Waste	7/1/2023		<u>127.96</u>
					Bulk Waste	55.96
					UV Treatment Plant - O&M	
19869	7/21/2023	7	Pine Tree Waste	7/1/2023		102.01
					Bulk Waste	
					Outside Services - T&D - Ops	
19869	7/21/2023	7	Pine Tree Waste	7/1/2023		102.02
					A/R - Auburn Sewer	
19869	7/21/2023	7	Pine Tree Waste	7/1/2023		55.97
					A/R - Lewiston	
19870	7/21/2023	7	EIC., Inc. (prompto)	7/10/2023		<u>315.96</u>
					LOF	38.95
					TRUCK #39 (2015 FORD F250)	
19870	7/21/2023	7	EIC., Inc. (prompto)	7/13/2023		36.95
					LOF	
					TRUCK #47 (2019 FORD 3/4 TC	
19871	7/21/2023	8	UNUM Life Insurance	7/17/2023		<u>75.90</u>
					Aug Life	362.14
					Employee Benefits	
19871	7/21/2023	8	UNUM Life Insurance	7/17/2023		134.57
					Aug Life	
					A/R - Auburn Sewer	
19872	7/21/2023	7	UPS	7/15/2023		<u>496.71</u>
						12.14
					A/R - Lewiston	
19872	7/21/2023	7	UPS	7/15/2023		12.13
					HACH Shipping	
					UV Treatment Plant - O&M	
19873	7/21/2023	7	V W R International LLC	6/27/2023		<u>24.27</u>
					Supplies	40.75
					UV Treatment Plant - O&M	
19873	7/21/2023	7	V W R International LLC	6/27/2023		40.75
					A/R - Lewiston	
19874	7/21/2023	7	Warren's Office Supplies	7/5/2023		<u>81.50</u>
					Trash Bags	30.45
					UV Treatment Plant - O&M	

**Auburn Water District
Accounts Payable Check Register
July 1, 2023 thru July 31, 2023**

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19874	7/21/2023	7	Warren's Office Supplies	7/5/2023	Trash Bags A/R - Lewiston	30.45
19875	7/28/2023	7	Russell Case	7/20/2023	Reimburse Dmge Claim Misc Expense-Mains	<u>60.90</u> 137.48
19876	7/28/2023	7	Ascentria Community Services	7/28/2023	Refund Tenant Dep A/R - Customers Accts Rec	<u>137.48</u> 150.00
19877	7/28/2023	7	Michael Barry	7/31/2023	July Cell Phone Telephone - Treatment	<u>150.00</u> 30.00
19878	7/28/2023	7	Lindsay Bates	7/31/2023	July Cell Phone Telephone - Treatment	<u>30.00</u> 30.00
19879	7/28/2023	7	Budget Document Technology	7/5/2023	Qtrly Maint 7/3-10/2/23 A/R - Auburn Sewer	<u>30.00</u> 197.70
19879	7/28/2023	7	Budget Document Technology	7/5/2023	Qtrly Maint 7/3-10/2/23 Misc Expense-A&G Office	197.70
19880	7/28/2023	8	Constellation NewEnergy, Inc.	7/14/2023	E. Hardscrabble Accrued Power	<u>395.40</u> 108.52
19880	7/28/2023	8	Constellation NewEnergy, Inc.	7/17/2023	Ipswich Accrued Power	2.17
19881	7/28/2023	7	The Computer Place	7/20/2023	IT Support Outside Services - A&G	<u>110.69</u> 33.75
19881	7/28/2023	7	The Computer Place	7/21/2023	IT Support Outside Services - A&G	16.87
19881	7/28/2023	7	The Computer Place	7/21/2023	A/R - Auburn Sewer	16.88
19881	7/28/2023	7	The Computer Place	7/20/2023	A/R - Auburn Sewer	33.75
						<u>101.25</u>

Auburn Water District Accounts Payable Check Register July 1, 2023 thru July 31, 2023

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19882	7/28/2023	7	Elan Financial Services	7/14/2023	Misc Office Supplies A/R - Auburn Sewer	127.47
19882	7/28/2023	7	Elan Financial Services	7/14/2023	MWUA Meeting UV Treatment Plant - O&M	32.50
19882	7/28/2023	7	Elan Financial Services	7/14/2023	MWUA Meeting A/R - Lewiston	32.50
19882	7/28/2023	7	Elan Financial Services	7/14/2023	Sewer Hiring Exp A/R - Auburn Sewer	325.00
19882	7/28/2023	7	Elan Financial Services	7/14/2023	Background Chk Watershed Expenses	31.00
19882	7/28/2023	7	Elan Financial Services	7/14/2023	Misc Office Supplies Misc Expense-T&D Ops	127.46
						<u>675.93</u>
19883	7/28/2023	7	Ferguson Enterprises LLC 3326	6/22/2023	HDL Nut Supplies - Meters	14.00
						<u>14.00</u>
19884	7/28/2023	7	Hach Company	7/7/2023	Chlorine Supplies - T&D - Ops	322.00
19884	7/28/2023	7	Hach Company	7/10/2023	A/R - Lewiston	604.00
19884	7/28/2023	7	Hach Company	7/10/2023	Supplies UV Treatment Plant - O&M	604.00
						<u>1,530.00</u>
19885	7/28/2023	7	David Hamann	7/31/2023	July cell phone Telephone - Treatment	30.00
						<u>30.00</u>
19886	7/28/2023	7	Harcros Chemicals, Inc.	7/11/2023	Sod Hydro Chemical Expense	8,719.78
19886	7/28/2023	7	Harcros Chemicals, Inc.	7/7/2023	Sod Hypo Chemical Expense	1,986.60
19886	7/28/2023	7	Harcros Chemicals, Inc.	7/7/2023	Sod Hypo Chemical Expense	7,161.00
						<u>17,867.38</u>

Auburn Water District Accounts Payable Check Register July 1, 2023 thru July 31, 2023

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19887	7/28/2023	7	Cole Hayford	7/31/2023	July cell phone Telephone - Treatment	30.00
						<u>30.00</u>
19888	7/28/2023	7	City of Lewiston	7/7/2023	Scada Tech - June UV Treatment Plant - O&M	38.25
19888	7/28/2023	7	City of Lewiston	7/7/2023	Scada Tech - June Employee Benefits	335.73
19888	7/28/2023	7	City of Lewiston	7/7/2023	Scada Tech - June Insurance - Workers Comp	93.30
19888	7/28/2023	7	City of Lewiston	7/7/2023	Scada Tech - June Labor - Stores	1,572.50
19888	7/28/2023	7	City of Lewiston	7/7/2023	Scada Tech - June A/R - Auburn Sewer	2,001.53
						<u>4,041.31</u>
19889	7/28/2023	7	W. B. Mason Co., Inc.	7/19/2023	Office Chairs Supplies - A&G - Office	2,941.50
						<u>2,941.50</u>
19890	7/28/2023	7	Mathieu Saw & Tool Inc	7/11/2023	Drill Taps Supplies - Meters	175.00
						<u>175.00</u>
19891	7/28/2023	7	Craig Millett	7/31/2023	July Cell Phone Telephone - Treatment	30.00
						<u>30.00</u>
19892	7/28/2023	7	Northland True Value Hardware	5/1/2023	Chain Oil Equipment Maintenance	59.63
19892	7/28/2023	7	Northland True Value Hardware	6/30/2023	Grass Seed A/R - Auburn Sewer	118.00
19892	7/28/2023	7	Northland True Value Hardware	7/10/2023	Saw - Trk 38 Supplies - T&D - Ops	184.99
19892	7/28/2023	7	Northland True Value Hardware	6/30/2023	Grass Seed 22-23 HotelRd Main Elimination	118.00
19892	7/28/2023	7	Northland True Value Hardware	5/1/2023	Chain Oil A/R - Auburn Sewer	59.64

Auburn Water District
Accounts Payable Check Register
July 1, 2023 thru July 31, 2023

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
						<u>540.26</u>
19893	7/28/2023	7	Omni Services, Inc.	7/12/2023		35.14
					Hyd Oil A/R - Auburn Sewer	
19893	7/28/2023	7	Omni Services, Inc.	7/12/2023		35.13
					Hyd Oil Equipment Maintenance	
19893	7/28/2023	7	Omni Services, Inc.	7/12/2023		67.35
					Parts Hyd Hammer Equipment Maintenance	
19893	7/28/2023	7	Omni Services, Inc.	7/12/2023		67.36
					Parts Hyd Hammer A/R - Auburn Sewer	
						<u>204.98</u>
19894	7/28/2023	7	YSI Inc, A Xylem Brand	7/6/2023		1,056.40
					Supplies UV Treatment Plant - O&M	
19894	7/28/2023	7	YSI Inc, A Xylem Brand	7/20/2023		1,843.91
					A/R - Lewiston	
19894	7/28/2023	7	YSI Inc, A Xylem Brand	7/20/2023		1,843.90
					Supplies UV Treatment Plant - O&M	
19894	7/28/2023	7	YSI Inc, A Xylem Brand	7/6/2023		1,056.41
					A/R - Lewiston	
						<u>5,800.62</u>
19895	7/28/2023	7	Petro's	7/26/2023		18.58
					Rope, Etc A/R - Auburn Sewer	
19895	7/28/2023	7	Petro's	7/26/2023		18.57
					Rope, Etc Supplies - T&D - Ops	
19895	7/28/2023	7	Petro's	7/18/2023		111.96
					calcium flake 2022 Vernon Area Main Replace	
						<u>149.11</u>
19896	7/28/2023	7	Phenova Inc	6/14/2023		388.10
					A/R - Lewiston	
19896	7/28/2023	7	Phenova Inc	6/14/2023		388.10
					Proficiency Testing UV Treatment Plant - O&M	
						<u>776.20</u>
19897	7/28/2023	7	E.J. Prescott, Inc.	7/11/2023		905.34
					Supplies Supplies - Mains	

Auburn Water District
Accounts Payable Check Register
July 1, 2023 thru July 31, 2023

<u>Check</u>	<u>Date</u>	<u>Per</u>	<u>Vendor</u>	<u>Inv Date</u>	<u>Reference</u>	<u>Amount</u>
19897	7/28/2023	7	E.J. Prescott, Inc.	7/6/2023		496.80
					couplings Inventory	
19897	7/28/2023	7	E.J. Prescott, Inc.	7/6/2023		57.00
					Supplies Supplies - Mains	
19897	7/28/2023	7	E.J. Prescott, Inc.	6/29/2023		219.08
					Supplies Inventory	
19897	7/28/2023	7	E.J. Prescott, Inc.	7/6/2023		436.84
					Gate Wrench Supplies - T&D - Ops	
19897	7/28/2023	7	E.J. Prescott, Inc.	7/10/2023		5,485.57
					chg out Expenses - Jobbing	
19897	7/28/2023	7	E.J. Prescott, Inc.	7/10/2023		2,838.28
					Supplies 2022 Vernon Area Main Replace	
						<u>10,438.91</u>
19898	7/28/2023	7	Selco Plumbing and	7/17/2023		54.28
					Supplies Supplies - Mains	
19898	7/28/2023	7	Selco Plumbing and	7/17/2023		100.65
					Supplies Supplies - Mains	
19898	7/28/2023	7	Selco Plumbing and	6/22/2023		16.79
					Strap Wrench Supplies - T&D - Ops	
						<u>171.72</u>
19899	7/28/2023	7	Spencer Group	7/24/2023		1,985.75
					Patching 22-23 HotelRd Main Elimination	
19899	7/28/2023	7	Spencer Group	6/30/2023		10,052.90
					Patching 22-23 HotelRd Main Elimination	
19899	7/28/2023	7	Spencer Group	6/30/2023		9,145.60
					A/R - Auburn Sewer	
						<u>21,184.25</u>
19900	7/28/2023	7	Derek Thone	7/31/2023		30.00
					July Cell Phone Telephone - Treatment	
						<u>30.00</u>
19901	7/28/2023	7	United States Treasury	7/26/2023		75.00
					Form 720 EIN01-6000815 Employee Benefits	
						<u>75.00</u>

**Auburn Water District
Accounts Payable Check Register
July 1, 2023 thru July 31, 2023**

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19902	7/28/2023	7	UPS	7/22/2023		38.24
					DeNora Shipping UV Treatment Plant - O&M	
19902	7/28/2023	7	UPS	7/22/2023		38.24
					A/R - Lewiston	
						<u>76.48</u>
<u>Grand Total</u>						<u>316,495.49</u>

Net Payroll + taxes

90,707.11
\$ 407,202.60

LEWISTON BILLS PAID
7/31/2023

DATE	VENDOR	INVOICE #	DESCRIPTION	Lewiston Amount	DEPT	Total Invoice
7/17/2023	Treasurer, State of Maine	Lab Cert	Lab Accreditation	737.50	LAB	1,475.00
6/22/2023	Unifirst	1040334357	Rug Maint	173.04	OPS	346.08
7/1/2023	UPS	173A7V263	DeNora Shipping	51.80	OPS	103.60
6/28/2023	HETL	155743	In Lake Testing	690.00	LAB	1,380.00
7/17/2023	Firstlight	14691695	JULY-Scada Fiber-Chloramines	62.50	OPS	
7/17/2023	Firstlight	14691695	JULY-Scada Fiber-UV	62.50	OPS	
7/17/2023	Firstlight	14691695	JULY-Internet-Turner Rd	60.50	OPS	
7/17/2023	Firstlight	14691695	JULY-Phone/Internet/Treatment Plant	71.32	OPS	
7/15/2023	UPS	173A7V283	Hach Shipping	12.14	OPS	24.27
7/10/2023	HACH	13650251	Supplies	604.00	LAB	1,208.00
7/17/2023	Allied Universal Technology	910291977	UV Camera Service	153.00	OPS	306.00
7/13/2023	MWUA	2005248	Summer Outing	27.50	OPS	55.00
7/1/2023	Pine Tree Waste	3088857	Bulk Waste	55.97	OPS	111.93
6/30/2023	Warren's Office Supply	520095-00	Trash Bags	30.45	OPS	60.90
6/27/2023	VWR International	8813318932	Supplies	40.75	LAB	81.50
7/12/2023	HETL	155731	In Lake Testing	510.00	LAB	1,020.00
7/12/2023	HETL	155501	In Lake Testing	510.00	LAB	1,020.00
7/12/2023	HETL	155492	Perimeter Testing	552.50	LAB	1,105.00
7/24/2023	HACH	13668594	Calibration Fee	246.25	OPS	492.50
7/24/2023	HACH	13668337	Supplies	1,511.18	LAB	3,022.36
6/14/2023	Phenova	194850	Proficiency Testing	388.10	LAB	776.20
7/6/2023	YSI	1021640	Supplies	1,056.41	LAB	2,112.81
7/20/2023	YSI	1024503	Supplies	1,843.91	LAB	3,687.81
7/11/2023	Maine Oxy	3002759452	Nitrogen	20.70	OPS	41.40
7/22/2023	UPS	173A7V293	Shipping-DeNora	38.24	OPS	76.48
7/18/2023	VWR International	8813494268	Supplies	194.27	LAB	388.54
7/14/2023	Elan Financial	Strmt	MWUA Meeting	32.50	OPS	65.00
7/25/2023	HACH	13672392	Supplies	453.95	LAB	907.90
7/26/2023	DeNora	9200077624	Supplies	625.92	OPS	1,251.84
7/31/2023	Bisson Enterprises	26830	Cleaning	206.00	OPS	412.00
7/24/2023	IDEXX	3133535503	Supplies	1,020.86	LAB	2,041.72
7/26/2023	HETL	157006	In Lake Testing	510.00	LAB	1,020.00
7/26/2023	HETL	156428	In Lake Testing	510.00	LAB	1,020.00
7/26/2023	HETL	156113	In Lake Testing	510.00	LAB	1,020.00
7/26/2023	HETL	156014	Perimeter Testing	552.50	LAB	1,105.00
7/20/2023	Unifirst	1040344469	Rug Maint	149.28	OPS	298.56
8/1/2023	Granite State Analytical	173384	Testing (Volatile Organic Chemicals)	160.00	LAB	
7/31/2023	DeNora	9200077519	Supplies	817.12	OPS	1,634.23
7/26/2023	Home Depot	STMT	Batteries, Blades	23.36	OPS	
7/28/2023	Staples	STMT	File Folders, Pens	32.56	OPS	
7/16/2023	US Cellular	592890129	June Cell Phones	40.00	OPS	
				15,348.58		

1142-400

AUBURN WATER DISTRICT
MONTHLY ACTIVITY REPORT
July 2023

MAINS

Location	Hrs.	Comments	Leak Check			OK	Misc.	New
			P T/Cl ₂	Leak	On Owner			
Vernon Area	384	Main replacement						1
Hotel Rd	4	Main replacement						1
Dunn St	7	Main replacement					1	
Second Street	49	Main replacement						1
Third & Mill St.	29	Tapped 1" Line					1	
Total Hours	473							
Monthly Totals	5		0	0	0	0	2	3
2022 Monthly Totals	2		0	0	0	0	1	1
YTD Totals	37		0	12	1	0	8	16
2022 YTD Totals	46		0	19	2	3	12	10

GATES

Location	Ck'd	Comments	Adjust	Leak	New	Misc.
West Bates		Raised/Lowered Gate Boxes				1
Mill St.		Raised/Lowered Gate Boxes	1			
Route 122		Raised/Lowered Gate Boxes	2			
Washington Street		Raised/Lowered Gate Boxes	1			
West Bates		Raised/Lowered Gate Boxes	1			
Monthly Totals	6		5	0	0	1
2022 Monthly Totals	15		15	0	0	0
YTD Totals	10		9	0	0	1
2022 YTD Totals	22		19	0	0	3

LABORATORY

Month	Dist. Sys. Tests	Temp (°C)	Avg. NaOH	Avg. Cl	Avg. FL	Avg. Turb.	SWTR
		Water	gal/MG	mg/l	mg/l	(ntu)	Tests
January	51	2.7	24.90	2.91	0.72	1.05	31
February	44	2.0	24.82	2.88	0.69	0.67	28
March	47	3.0	25.06	2.91	0.67	0.48	31
April	46	3.7	25.08	2.92	0.66	0.75	30
May	51	7.6	25.12	2.81	0.65	0.92	31
June	46	16.6	25.15	2.79	0.65	0.56	30
July	47	21.0	25.25	2.73	0.63	0.31	31
August							
September							
October							
November							
December							
YTD Avg	47	8.09	25.05	2.85	0.67	0.68	
2022 Avg	47		27.22	2.84	0.68	0.49	
YTD Totals	332						212
2022 YTD	332						212

LAKE AUBURN

Month	No. Patrols	Withdrawals *			Elevations **					
		AWD	LWD	Total	1st	High	Yr.	Low	Yr.	2022
January	8	2.08	3.43	5.51	264.41	264.41	2023	257.20	2001	260.92
February	6	2.14	3.42	5.56	261.43	261.70	1996	257.10	2002	260.86
March	6	2.18	3.45	5.63	261.27	261.41	2010	257.40	2002	261.29
April	12	2.27	3.53	5.80	261.50	262.40	1953	258.20	2002	261.42
May	15	2.51	3.59	6.10	261.82	261.83	2023	258.78	2007	261.00
June	10	2.48	3.99	6.47	260.98	261.80	2003	259.49	2007	260.61
July	8	2.55	4.20	6.75	261.06	261.70	2013	258.75	1960	260.29
August										
September										
October										
November										
December										
Avg. Monthly	9	2.32	3.66	5.97				AWD		LWD
								June	38%	62%
YTD Totals	65	16.21	25.61	41.82				2023 YTD Avg.	39%	61%
2022 YTD Totals	89	14.13	22.18	36.31				2022 YTD Avg	39%	61%

* Average Daily Withdrawals MGD ** Elevation Above Sea Level

WEATHER*

Month	Precipitation				Temperature			
	Snowfall(in.)	Total (in.)	Normal Precip.	Days of Precip.	Max (°F)	Min (°F)	Avg- (°F)	Dep. From norm
January	25.0	4.28			52	7	30	
February	20.0	1.16		8	55	-17	25	
March	22.0	1.78		11	53	16	35	
April	0.0	2.04		11	82	26	44	
May	0.0	7.24		7	91	36	57	
June	0.0	5.47		21	92	43	62	
July	0.0	5.09		15	91	57	72	
August								
September								
October								
November								
December								
YTD Totals	67.0	27.1	0.0	73.0				
2022 Totals	36.0	16.6	0	57				

DIG SAFE

Month	Total	Contractors	MDOT	AHD	School Dept.	Lewiston Water	Consolidated Comm.	AWD	CMP	ASD	GAS	MTA
January	204	190	0	0	0	0	0	6	5	0	2	1
February	68	28	0	0	0	0	0	4	31	0	5	0
March	77	50	0	0	0	0	0	4	15	1	6	1
April	236	163	2	31	0	0	0	9	24	0	6	1
May	200	112	0	17	0	0	3	5	48	1	13	1
June	137	15	89	0	0	0	0	4	9	4	15	1
July	162	110	0	0	0	0	0	3	34	6	7	2
August												
September												
October												
November												
December												
YTD Totals	1084	668	91	48	0	0	3	35	166	12	54	7
2022 Totals	655	417	7	77	1	0	0	35	44	5	64	5

DUTY FOREMAN CALLS

(Overtime)

Districts	Total	High/Low Pressure	Water Quality	Alarms	Service Issue	Leak	Misc.	Locates	Hydrants	Meter	Fire Calls
Sewerage District	2			0	1	0	1	0	0	0	0
Water District	21	0	0	0	3	0	8	8	2	0	0
Monthly Totals	23	0	0	0	4	0	9	8	2	0	0
2022 Monthly Totals	5	0	0	0	1	1	1	1	0	0	1
YTD Totals	100	0	3	0	29	13	22	24	6	0	3
2022 YTD Totals	65	0	0	0	28	7	8	10	9	0	3

OTHER ACTIVITIES

1. Pressure Transducer Replaced at Troy Street PRV
2. Install Surge Protection at Ipswich, Hardscrabble, & Goff Hill
3. Painted Hardscrabble Building
4. New OIT at Cimino Pump Station
5. Replaced UPS & Installed new relay at Cimino PS
6. Repaired PLC Module @ Poland Tank (lightning strike)
7. Replaced Level Sensor damaged by storm at Goff Hill Reservoir
- 8.
- 9.
- 10.
- 11.
- 12.

Skelton Taintor & Abbott

ATTORNEYS AT LAW

Darcie P. L. Beaudin
Ronald L. Bissonnette
Grady R. Burns
Braden M. Clement
Dylan J. Cox

Daniel A. D'Auteuil, Jr.
Amy Dieterich
David R. Dubord
Alexander J. Mihalov

Sarah C. Mitchell
William K. Skelton
Theodore Small
James F. Pross

July 24, 2023

VIA E-MAIL & U.S MAIL

Michael Broadbent, Superintendent - mbroadbent@awsd.org
Auburn Water District
268 Court Street
Auburn, ME 04210

RE: My Transition to a New Firm

Dear Mike:

I am writing to formally let you know that I have made the decision to leave my law practice at Skelton Taintor & Abbott, to join my wife, Mia Poliquin Pross, at her law firm, the Elder Law Office of Kienitz & Pross. The past six years at Skelton Taintor & Abbott have been rewarding and fulfilling. I have truly enjoyed the opportunity to get to know and work with so many wonderful people. My decision to leave my partnership and the law practice I have developed over the last nineteen years was not an easy one, as I will miss my clients and the family that I found at Skelton Taintor & Abbott.

With that being offered, I am excited to begin working with Mia at her office starting on **October 2nd**. Since attending law school together, we have long daydreamed about having our own family firm. Attorney Kienitz is looking toward retirement and Mia would like me to join her. They say, "timing is everything." At the Elder Law Office of Kienitz & Pross, I will exclusively be practicing elder law, primarily consisting of estate planning, long term care planning, and related probate work. This means that I won't be taking any of my existing clients with me.

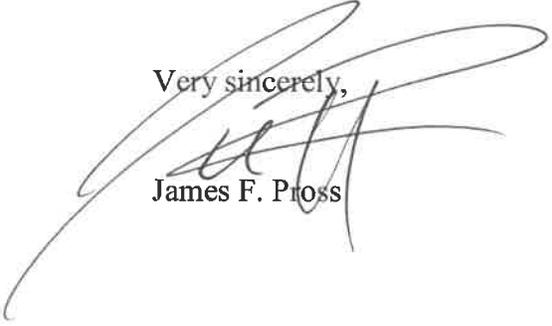
I am not actively working on anything for the Water District at this time. There may be some open issues remaining at Stable Ridge, but I have not heard anything in more than a month and trust that the last issue regarding the software has now been resolved. Ted Small, Esq. is a partner at the firm who works in municipal law, as is Amy Dieterich, Esq. Attorney Dieterich has frequently assisted with legal work for both the Water and Sewer Districts, especially with regard to employment matters.

When we last met, I also introduced you to Attorney Grady Burns who is resident of Lewiston and an Auburn native who recently came to us from a large Portland firm. He has worked almost exclusively in municipal law. I firmly believe that this roster of legal talent at Skelton Taintor & Abbott can continue to meet the legal needs of the Water District after my departure and for years to come. I hope that the Trustees, with your guidance, will continue to engage Skelton Taintor & Abbott as matters arise.

Enclosed is a simple form that I ask you to complete, sign, and return indicating how you would like to proceed with regard to any open matters. **Please return the completed form to my office no later than September 15th**. A return envelope is also enclosed.

Thank you for allowing me to serve as the District's counsel for the past six years. It has truly been my pleasure. The faith that you and the Trustees have put in me over our years together is truly meaningful to me and I will miss working with you. Do not hesitate to contact me with any questions.

Very sincerely,



James F. Pross

Enc.



Memorandum

To: Erica Kidd, Watershed Manager, Auburn Water District/Lewiston Water Division

*From: Laurie Locke, P.E.
Bob Fitzgerald, P.E.
Anne Malenfant, P.E., PMP*

Date: July 31, 2023

Subject: Watershed Delineation Rezoning Review - Gracelawn Pit "Area of Uncertainty"

This technical memorandum provides an update on CDM Smith's review of the Lake Auburn watershed delineation in the vicinity of the Gracelawn Pit near the southeast shore of Lake Auburn. Building on our independent review of past studies to determine the likely watershed boundary, this scope of work developed a three-dimensional visualization and analysis (3DVA) model of existing/historical data to further investigate groundwater flow in the Gracelawn Pit area and develop recommendations for field investigations that would be needed to more clearly delineate the watershed boundary. The result of the evaluation is confirmation of a boundary proposed by the Maine Drinking Water Program (DWP) and recommendations for further field investigations to more precisely delineate the boundary if needed.

Introduction

A proposed revision to the watershed boundary in the Gracelawn Pit area was recommended in 2021 as part of an environmental and regulatory analysis of the Lake Auburn water supply protection, which would reduce the watershed area by 148 acres (FB Environmental, 2021). In 2022, the Lake Auburn Watershed Protection Commission (LAWPC) requested that CDM Smith provide an independent review of the past studies that were the basis of this revised delineation, including the geologic, water level and water quality data and analyses presented in these reports.

As detailed in an October 5, 2022 technical memorandum, CDM Smith's initial review concluded that the groundwater data support the revised watershed delineation in some areas, and in other areas the data are insufficient to confirm a precise delineation. **Figure 1** depicts a summary of the review, including the revised delineation recommended by FB Environmental in 2021 (red dashed line), the area of uncertainty described in CDM Smith's review (blue dashed line) and direction of groundwater flow (blue arrows).

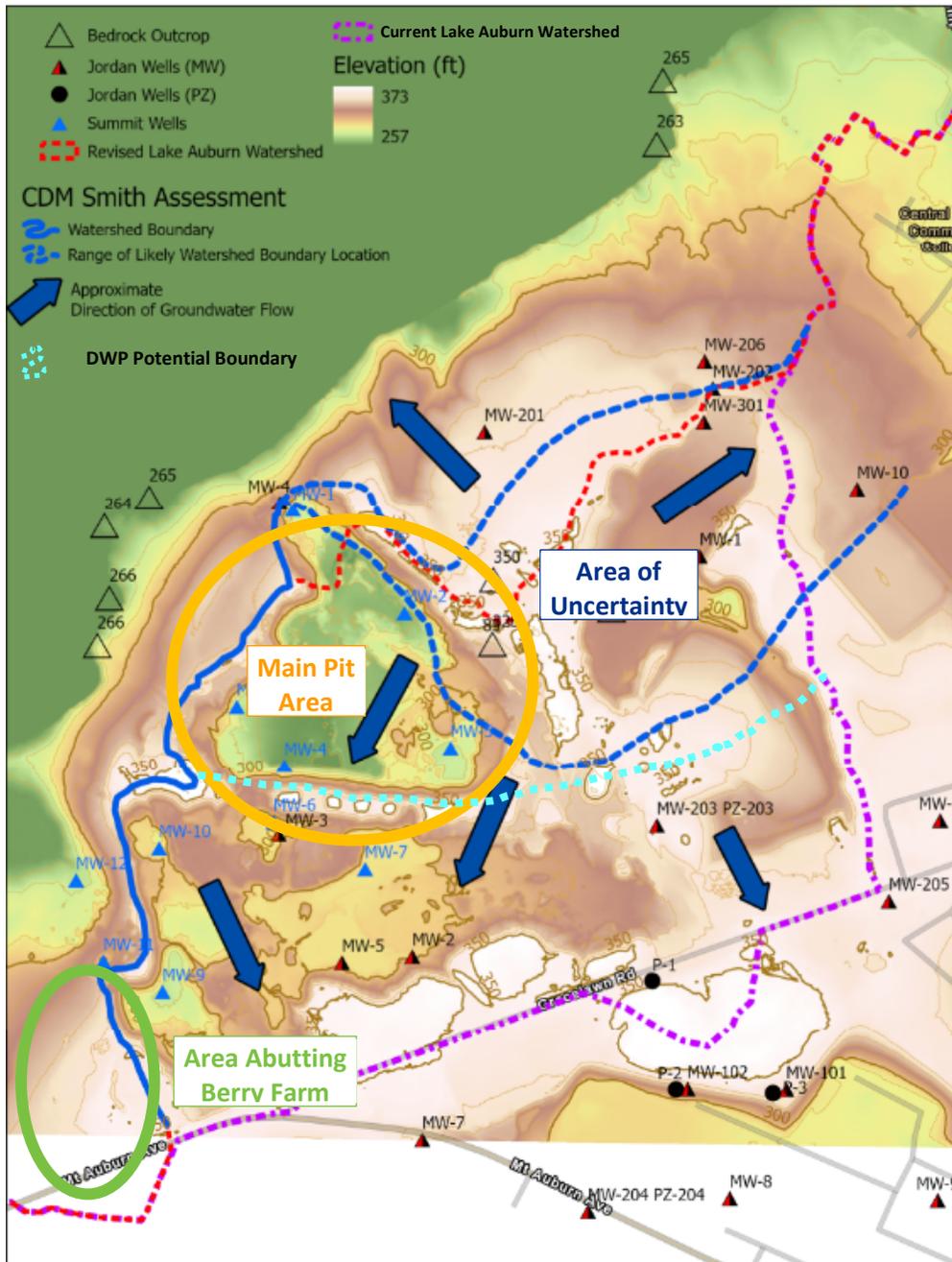


Figure 1 - Site Map Depicting Areas of Uncertainty

In addition to the area of uncertainty highlighted in the October 5, 2022 memorandum, this memorandum addresses questions about groundwater flow in the main pit area and in the southwestern most point of the gravel pit that abuts the Berry Farm. Both areas are shown in

Figure 1, with the main pit area circled in orange and the area abutting the Berry Farm circled in green. LAWPC requested the following in a request for proposal dated March 27, 2023:

- Confirm stratigraphy and groundwater flow directions in the various strata in the area encircled in orange on **Figure 1**. Evaluate groundwater discharge to the lake throughout the study area.
- Determine the direction of groundwater flow in the southwestern most point of the gravel pit that abuts the Berry Farm and that is currently in the watershed.

Finally, the DWP provided a “DWP Potential Boundary” in a March 20, 2023 letter that is shown in turquoise on **Figure 1**. LAWPC requested CDM Smith evaluate whether this line could indicate a watershed boundary not precluded by the current information available and assessment of surficial groundwater flow, and therefore could be established without additional bedrock groundwater investigations.

CDM Smith created a 3DVA model of all relevant hydrogeologic and topographic data to further investigate groundwater flow in the three areas in question. This memorandum summarizes the results and recommended next steps, if further refinement of watershed delineation is needed in the future.

3DVA Model

A 3DVA model of the Gracelawn Pit area was created in Leapfrog Works using the topographical and subsurface data listed in **Table 1**. Visualization of the data in Leapfrog allows for historic data from multiple sources to be viewed and analyzed together in an integrated project space. An example of some of the data, including LIDAR ground surface elevation, aerial photo, seismic profiles, estimated bedrock elevation contours, well locations, well screens, and groundwater levels are shown in **Figure 2**. Most of the data incorporated into the 3DVA model came from three historic hydrogeologic reports:

- E.C. Jordan Co., Hydrogeologic Investigation, Gracelawn Landfill/Lake Auburn, June 1990 (E.C. Jordan, 1990);
- Woodard and Curran Environmental Services, Supplemental Hydrogeological Study, Auburn Brush Dump, City of Auburn, ME, August 1995 (Woodard and Curran, 1995); and

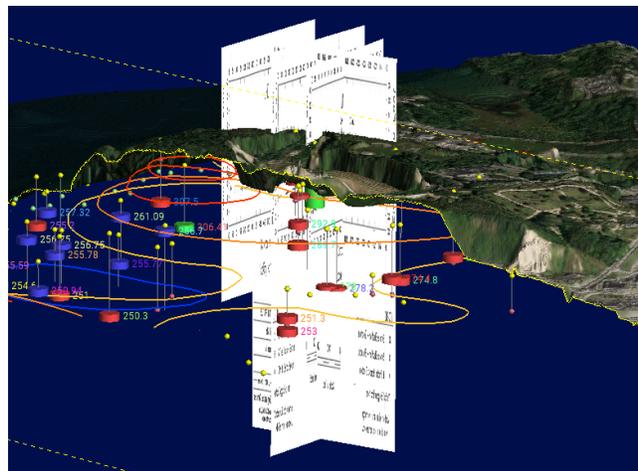


Figure 2 - Example Screenshot from 3DVA Model

- Summit Environmental Consultants Inc., Ground Water Assessment, Gracelawn Road Gravel Pit, Auburn, ME, September 2007 (Summit, 2007).

Table 1 - 3DVA Data Sources

Data	Description	Source
Topography	Ground surface elevation	LIDAR for Androscoggin County, 2009
Bathymetry	Lake bottom elevation	University of Maine Farmington, 2001
Well locations	XY location of existing and historic wells and reported reference elevation	<ul style="list-style-type: none"> E. C. Jordan, 1990 Woodard and Curran, 1995 Summit, 2007
Well screen intervals	Depth to top and bottom of well screen	<ul style="list-style-type: none"> E. C. Jordan, 1990 Woodard and Curran, 1995 Summit, 2007
Water levels	Measured groundwater level, reported as elevation	<ul style="list-style-type: none"> E. C. Jordan, 1990 Woodard and Curran, 1995 Summit, 2007 Ledgewater Monitoring Well Groundwater Elevations, 2023
Depth to rock	Best estimate for depth to rock at drilled wells, including either observed depth to rock, refusal depth, bottom of boring, or bottom of well screen	<ul style="list-style-type: none"> E. C. Jordan, 1990 Woodard and Curran, 1995 Summit, 2007
1976 Seismograph survey	Estimated depth to bedrock at a series of seismic shot holes completed between the pit area and the lake	E. C. Jordan, 1990
1995 Seismic profiles	Four seismic refraction profiles, each approximately 1,000 feet long, establishing depth to bedrock at 50-foot intervals along each seismic line	Woodard and Curran, 1995
Bedrock outcrop locations	Location and estimated elevation of confirmed bedrock outcrop	E. C. Jordan, 1990
Bedrock elevation contours	Estimated bedrock surface elevation interpreted by historic reports	<ul style="list-style-type: none"> E. C. Jordan, 1990 Woodard and Curran, 1995

More recent water level data and site maps were incorporated into the 3DVA model, including ten rounds of measured groundwater elevations from June 2015 to March 2023 at a subset of wells. Eight of the ten rounds of groundwater level data monitored only three wells—MW-101, MW-205, and MW-301. Measurements were collected at a different set of four monitoring wells in September 2022 (MW-6, MW-7, MW-8, and MW-707). The same four wells were monitored in March 2023 along with a fifth well MW-12.

Thirty-three well locations with groundwater level measurements are included in the 3DVA model. Since these wells were installed during multiple investigations spanning two decades, there has never been a synoptic round of water level measurements collected at all locations, nor could there be in the future as many of these wells have been abandoned or destroyed. The most complete rounds of water level monitoring were pieced together and viewed side by side to determine groundwater flow directions across the entire area of interest, including 12 wells measured on August 9, 2007, 16 wells measured on May 24, 1990, and 5 wells measured on June 23, 1995. Groundwater flow directions determined from these three measurement rounds were cross checked against rounds of measurements collected for smaller subsets of wells and found to be generally consistent over time, including in more recent measurements from 2022 and 2023.

Measurements of depth to bedrock from all historic reports were used to interpolate a new top of bedrock layer. This dataset included a mixture of logged depth to rock in boreholes, seismic profiles, and estimated depth to bedrock based on drilling refusal, bottom of boring, or bottom of well screen.

The 3DVA model was presented to LAWPC at their June 14, 2023 meeting, along with a summary of observations. A video walkthrough of the 3DVA model was also provided on July 10, 2023. This technical memorandum reflects the summary of observations from the LAWPC meeting, along with recommendations and next steps for possible field investigations.

Possible Field Hydrogeologic Investigations

As discussed above, the 3DVA model allows for historic data from multiple sources to be viewed and analyzed together in an integrated project space. The goal for this project was to more clearly correlate the historical data and understand the areas that would require further field investigation to delineate the watershed boundary inside the “DWP Potential Boundary” area shown in **Figure 1**. The 3DVA can provide guidance for narrowing the scope of field hydrogeologic investigations, which may include:

- Monitoring wells – these would provide gauging of the groundwater, but also provide information during construction of the depth to bedrock and ground profile. The following are specific types of monitoring wells, with information on the data they would provide:
 - Shallow water table well - also referred to as sand and gravel wells, these wells are replenished through surface recharge.
 - Deep overburden wells - location with glacial till overlying the bedrock, separating the sand and gravel well from the bedrock well. This can also create aquifers under pressure (also known as artesian wells).
 - Bedrock wells – wells located in solid rock, often with fractures that transmit usable quantities of water.

- Fracture trace analysis and outcrop mapping – this would provide information on locations of bedrock fractures, prominent fracture zones, and orientation of fractures to better understand possible bedrock groundwater flow.
- Slug testing at newly installed monitoring wells, including falling and rising head tests at each well location. A slug test is where the water level in a “control” well is caused to change suddenly, and the water level response in the control well and surrounding wells is measured. It provides information on the hydraulic properties of the aquifer.

Over the course of a year, three rounds of groundwater gauging at the newly installed wells and existing wells would be recommended, including seasonal high and low gauging rounds. Additional aerial survey should be completed including well location and elevation survey (aerial and ground survey of study area).

Summary of 3DVA Observations and Field Hydrogeologic Investigation Recommendations

The data, water level evaluations, and interpolated bedrock surfaces in the 3DVA model were used to assess groundwater flow as it relates to the watershed boundary. This section summarizes the desktop evaluation for each area of interest.

Area of Uncertainty

Summary of Observations

The area of uncertainty is located near and to the east of an area of high bedrock (so called “bedrock knob”) near the center of **Figure 1**, where three triangles indicate the location and elevation of bedrock outcrops. Groundwater level data near the bedrock knob indicate that the water table is in bedrock and is above lake level based on surrounding well data. However, in the reviewed reports there is no well data to indicate bedrock flow direction in this area. Groundwater level data indicate a water table in the sand and gravel level above lake level in the area to the east of the bedrock knob. Available data indicates groundwater flow is generally eastwards in this area, but groundwater may flow either to the northeast, discharging to the lake, or flow to the southeast towards a creek, discharging to the Androscoggin River.

Topography indicates surface drainage flows to the east and southeast towards the creek and ultimately the Androscoggin River. The northern limit of the area of uncertainty coincides with an approximate surface drainage divide indicated by topography. To the south of the uncertainty band, groundwater level and groundwater quality data indicate that the water table is in the surficial sand and gravel with a flow direction away from the lake.

Available data in this area are still inconclusive with respect to precise the location of the watershed divide. Water level data from wells MW-206 and MW-301, located near the northern limit, indicate a northward component of groundwater flow (**Figure 3**). The creek starts to the east of MW-10. The groundwater level at MW-10 is similar to MW-206 and MW-301. Seismic survey

indicates that the bedrock surface along the lake shore is below lake level for an interval north of this area and is not a barrier to groundwater flow in the sand and gravel.

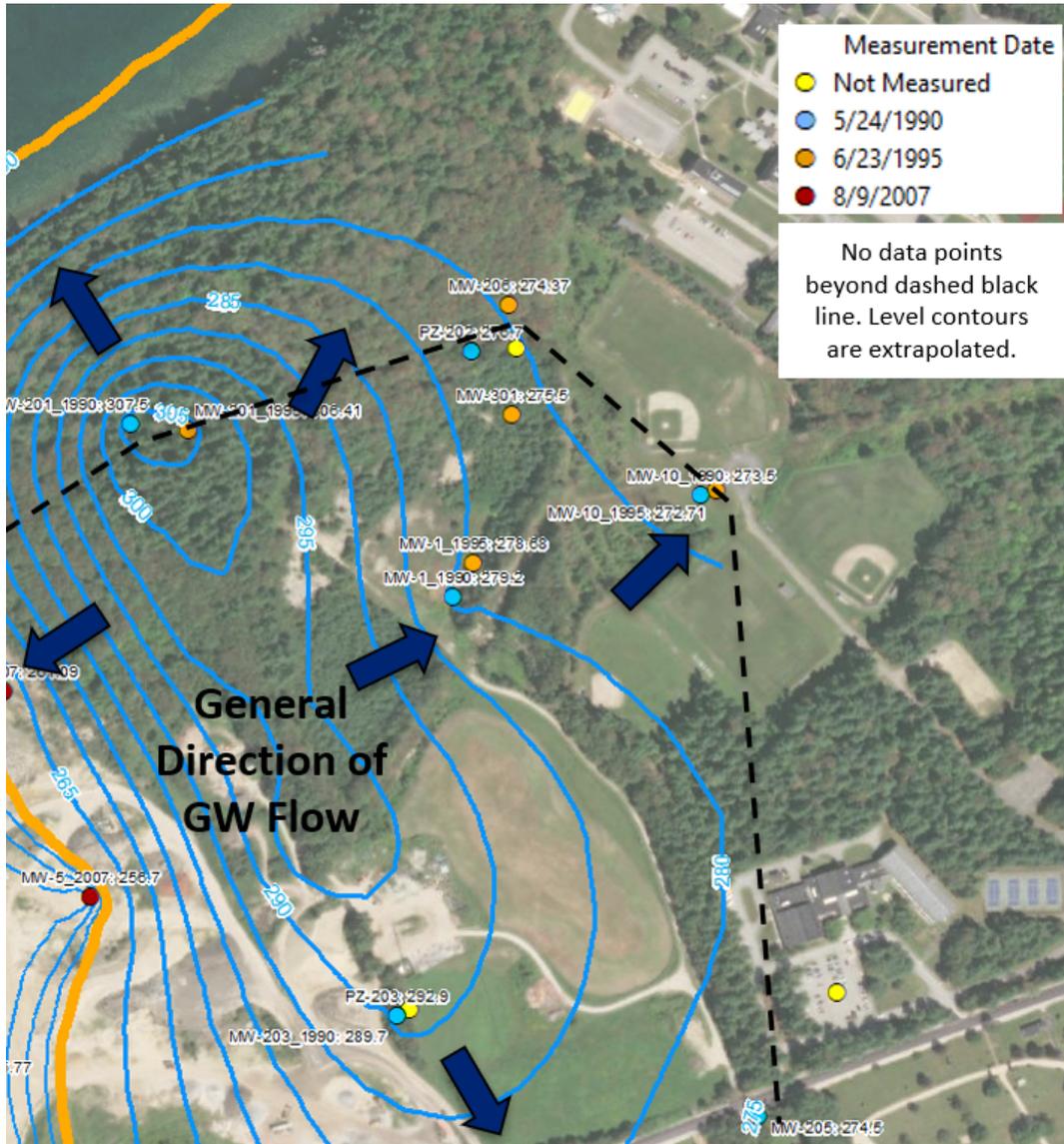


Figure 3 - Groundwater Level Contours in Area of Uncertainty (Feet)

Recommendations for Further Watershed Boundary Refinement

The “DWP Potential Boundary” represents a conservative depiction of the watershed boundary in the area of uncertainty. Additional data and modeling would be needed to delineate the flow divide with more precision if further watershed boundary refinement is desired. Groundwater flow model computations, based on the 3DVA model, would be recommended to provide a refined estimate of

groundwater flow directions and the divide location. The flow model estimate would not be definitive but could assist in developing an efficient field program.

Three or more additional monitoring wells, including borings to bedrock, would likely be needed to better delineate the watershed boundary in this area. The groundwater modeling would help identify suitable locations for these wells. Any new wells installed in the future should be surveyed, and water levels should be measured synoptically with other wells in the area at least three times over the course of a year.

Area Abutting Berry Farm

Summary of Observations

A topographic high near the southwest of the Gracelawn Pit property forms the watershed boundary in the area abutting the Berry Farm. Local surface drainage in this area diverts flow to the south to a culvert beneath Mt. Auburn Avenue and away from Lake Auburn (Figure 4).

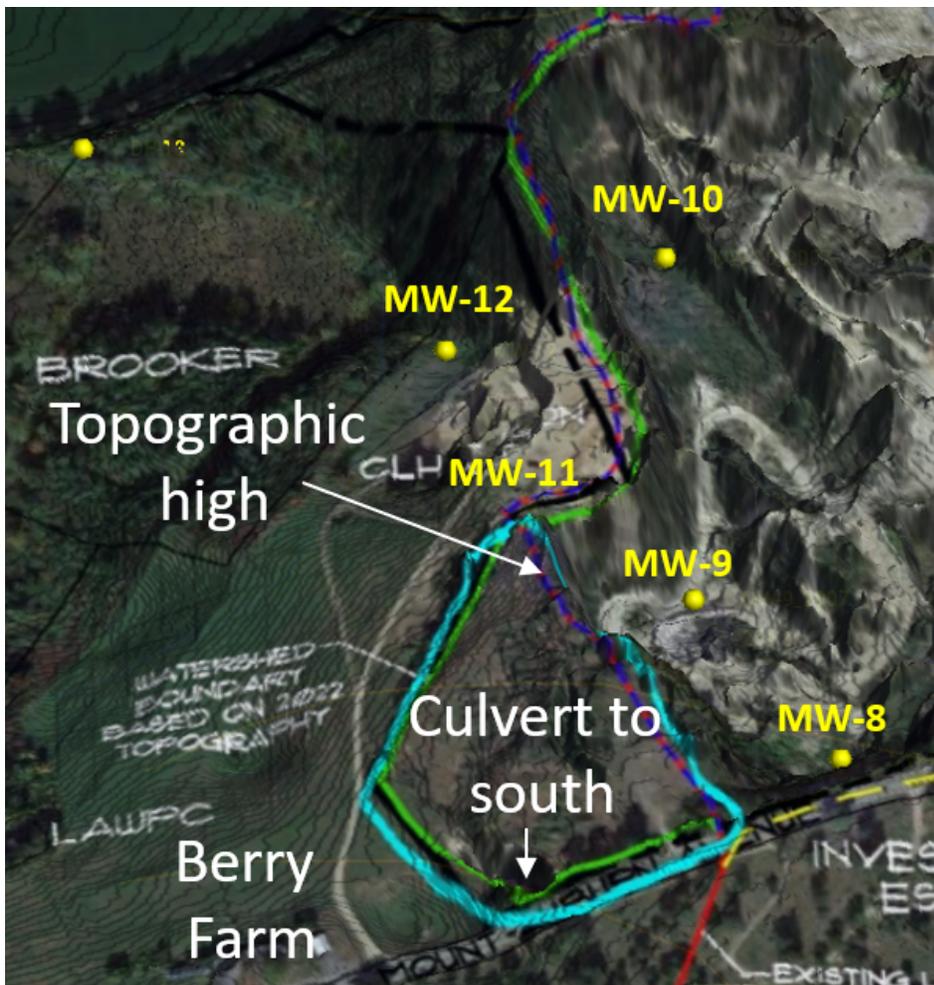


Figure 4 - 3DVA Screenshot of Topography near Area Abutting Berry Farm

No borings or wells have been installed in this area of the property, so stratigraphy or water level data are not available for evaluation. Monitoring wells installed during the 2007 investigation (Summit) just north and east of this area indicate that surficial sand and gravel groundwater levels are below lake level with a gradient to the south and away from the lake (**Figure 5**). It is unknown whether the surficial sand and gravel aquifer characterized by the nearby monitoring wells is continuous across the entire property. Where the sand and gravel aquifer is continuous and below lake level, groundwater can be expected to flow away from the lake.

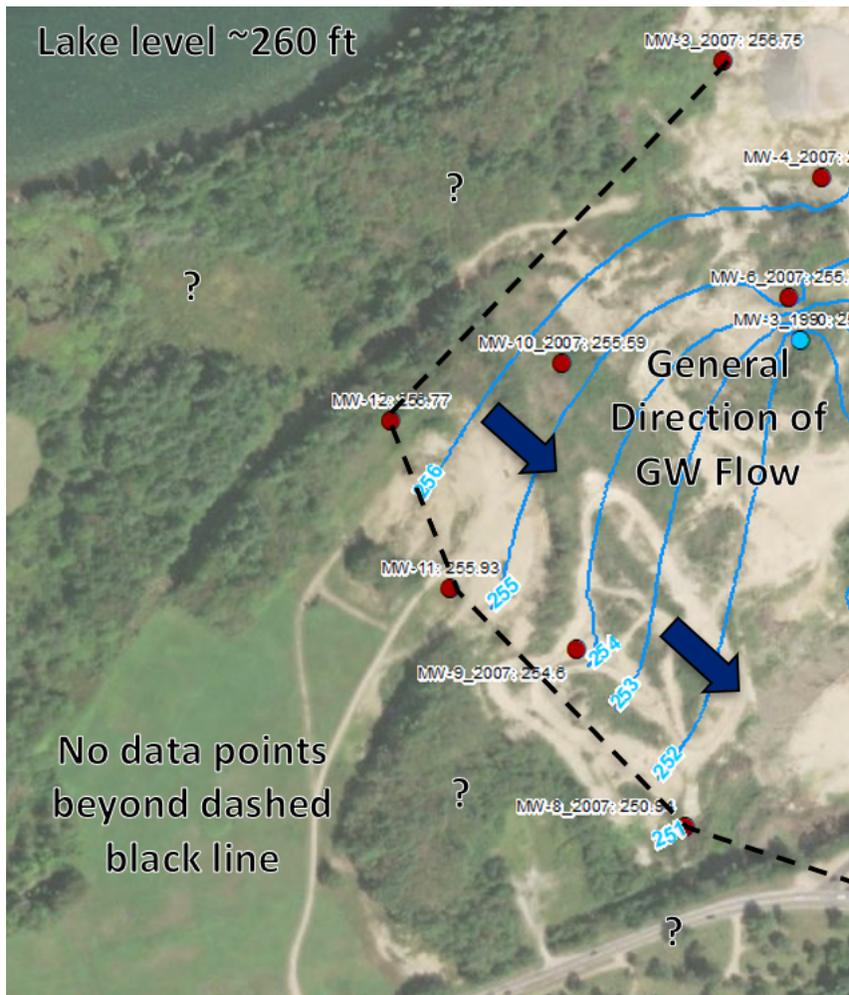


Figure 5 - Groundwater Level Contours near Area Abutting Berry Field (Feet)

However, high bedrock may be present in this area at elevations higher than lake level (~260 feet) that could divert groundwater beneath some of the property towards the lake. The 1990 investigation (E. C. Jordan) reports a bedrock outcrop at elevation 325 feet approximately 800 feet south of the southwest corner of the property.

Recommendations for Further Watershed Boundary Refinement

The current watershed boundary represents a conservative boundary in the area abutting the Berry Farm. Field work would be required for a definitive assessment of bedrock and groundwater levels in this area if further watershed boundary refinement is desired. Two or three borings would likely be needed to reasonably characterize the bedrock surface in this area. Depending on conditions encountered, monitoring wells should be completed at one of the boring locations, at least, and possibly at all boring locations. It might be necessary for one or more of the wells to be completed in bedrock. Groundwater levels at any new wells installed in the future should be measured synoptically with other wells in the area.

Main Pit Area

Summary of Observations

Groundwater levels measured at 16 monitoring wells in the Gracelawn Pit indicate that groundwater levels in the sand and gravel aquifer in most of the pit is below lake level with a gradient to the south away from the lake. Groundwater level data from 1990 to 2023 consistently shows this groundwater flow direction (**Figure 6**).

Stratigraphy in the main pit area circled in **Figure 1** includes a sand and gravel aquifer, a thin layer of till, and underlying bedrock. The saturated thickness of the sand and gravel aquifer is approximately 0 to 30 feet. A thin layer of till and bedrock underlie the sand and gravel. There is no water level or transmissivity data for the underlying bedrock. Additional field work would be required to characterize bedrock groundwater.

Glacial till between the sand and gravel and the bedrock could semi-confine the bedrock aquifer, making it possible that bedrock water levels in the main pit area shown in **Figure 1** are above lake level with a gradient towards the lake. If bedrock flow is towards the lake, the bedrock head will be higher than the sand and gravel head, preventing flow from the sand and gravel to the bedrock. Surface recharge in this area will be intercepted by the water table and flow away from the lake.

Recommendations for Further Watershed Boundary Refinement

The “DWP Potential Boundary” represents a conservative depiction of the watershed boundary in the main pit area. Additional data collection would be needed to determine bedrock water levels and evaluate potential bedrock groundwater discharge to the lake if further watershed boundary refinement is desired. This would likely include borings with wells completed in bedrock at three locations. If feasible, any future bedrock wells should be located near existing sand and gravel monitoring wells. Groundwater levels at any new bedrock wells should be measured synoptically with other wells in the area. Slug tests should be performed in any future bedrock wells to estimate transmissivity and groundwater flow rate in the bedrock.

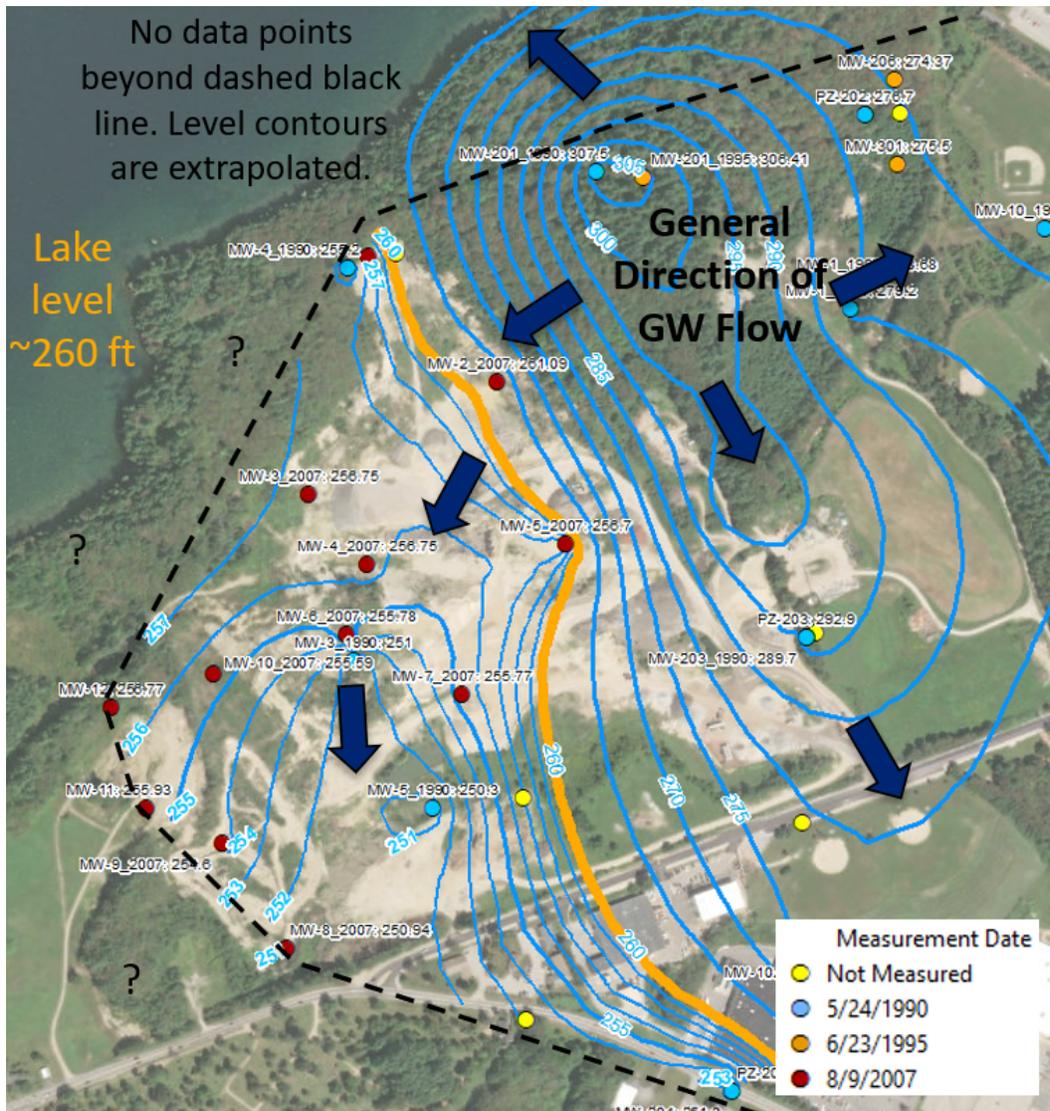


Figure 6 - Groundwater Flow Contours near Main Pit Area

Conclusions and Recommended Next Steps

Through evaluation of the historical data using the 3DVA model, CDM Smith confirms that the “DWP Potential Boundary” on **Figure 1** is a conservative watershed boundary that can be established without further investigations. Topography and hydrogeologic data confirm that both surface drainage and groundwater flow outside of the “DWP Potential Boundary” is away from the lake. While the topography indicates that the surface watershed boundary is closer to the lake than the “DWP Potential Boundary” line in some areas, there is not enough subsurface data to make the same conclusion about groundwater flow with certainty.

If there is a want for additional refinement of the watershed boundary in the three areas of interest, targeted field investigations and groundwater flow modeling would be needed to confirm the direction of groundwater flow, including:

- Groundwater flow modeling in the area of uncertainty;
- Three or more additional monitoring wells, including borings to bedrock, to better delineate the watershed boundary in the area of uncertainty. The groundwater modeling would help identify the suitable number and locations for these wells;
- Two or three borings would likely be needed to reasonably characterize the bedrock surface in the area abutting the Berry Farm. Depending on conditions encountered, monitoring wells could be completed at one of the boring locations, at least, and possibly at all boring locations. It might be necessary for one or more of the wells to be completed in bedrock;
- Two or three borings with wells completed in bedrock would likely be needed in the vicinity of the main pit area circled in **Figure 1**. If feasible, the bedrock wells could be located near existing sand and gravel monitoring wells;
- Slug test should be performed in the new wells to estimate transmissivity and groundwater flow rate in the bedrock;
- All new wells could be surveyed; and
- Groundwater levels at the new wells in all three areas of interest could be measured synoptically with other wells in the Gracelawn area at least three times over the course of a year.

If the results of the field investigations indicate groundwater flow from bedrock into the lake, bedrock fracture trace and analysis and outcrop mapping could be conducted at a later date to better understand bedrock groundwater flow patterns of the watershed area.

RED ALERT:

PFAS COST RECOVERY PROGRAM DEADLINE APPROACHING



SETTLEMENT UPDATE

\$12.5 Billion Settlement with 3M Company

Napoli Shkolnik, along with Plaintiffs' Co-Lead and Interim Class Counsel, is proud to announce a \$12.5 billion settlement with 3M Company in the ongoing multi-district litigation over the contamination of drinking water with toxic per- and polyfluoroalkyl substances ("PFAS") resulting from the widespread use of aqueous film-forming foam ("AFFF"). This historic class action settlement agreement resolves the claims of Public Water Systems across the country that have been impacted by actual or threatened contamination of their water systems with PFAS.

This proposed class settlement is the result of many months of negotiations between the parties and is subject to approval by Judge Richard M. Gergel, who was assigned in December 2018 to oversee the ongoing MDL proceedings in the United States District Court for the District of South Carolina.

\$1.185 Billion Settlement with Dupont, Chemours, Corteva

Napoli Shkolnik is pleased to announce a major breakthrough in the pursuit of justice for water providers and their communities affected by PFAS contamination in the United States. Working diligently alongside our co-leads, we have successfully settled the material terms with defendants DuPont, Chemours, and Corteva regarding their responsibility for the PFAS contamination of public water systems and the associated costs of treatment.

Under the terms of the agreement, DuPont, Chemours, and Corteva acknowledge their role in the PFAS contamination crisis and must provide financial compensation for the cost of treatment necessary to address the contamination their 'forever chemicals' caused.

If your utility has any detections of PFAS, let us help you file a complaint immediately to benefit from any impending settlement. Even if your utility hasn't tested yet, please register so you do not miss out on any potential future benefits.

The deadline is fast approaching for water utilities and municipalities to register for the PFAS Cost Recovery Program and Multi-District Litigation, *In Re: Aqueous Film-Forming Foams (AFFF) Products Liability Litigation*, MDL No. 2873 (D.S.C.)

On March 14, 2023 EPA Proposed National Mandatory Maximum Contaminant Levels

The key details include:

- ❖ PFOA and PFOS will be subject to a MCL of 4 ppt (parts per trillion). This will be determined by a running annual average. The MCLG for PFOA and PFOS will be zero.
- ❖ 4 additional PFAS (PFNA, PFHxS, PFBS, and GenX) will be subject to an MCL determined by a unitless "hazard index"- which will be the sum of the individual ratios of these 4 PFAS. This is intended to regulate the individual chemicals plus a mixture of these chemicals.
- ❖ The rule contains standard monitoring, public notice, and treatment requirements.
- ❖ EPA is taking comments for 60 days on the rule, plus their decision to regulate the 4 additional PFAS. The rule is expected to be finalized at the end of 2023 or the beginning of 2024. Compliance will begin 3 years after the rule is promulgated.

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- ❖ Personalized Attention

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- ❖ Does not impact local companies
- ❖ No Upfront costs, but you must register
- ❖ Zero cost if no recovery specifically for your system
- ❖ Positive Action for the Rate Payer

YOUR TEAM



Paul J. Napoli
Partner



Andrew Croner
Partner



Coral Odio-Rivera
Partner



Sam Wade
Water Consultant
former NRWA CEO



Thomas Jawin
Environmental
Engineer



Steve Acquario
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