

Central Plymouth County Water District Commission

Minutes of Tuesday, November 28, 2023, ZOOM Meeting

The meeting took place via Zoom video. The meeting can be viewed on YouTube at <https://youtu.be/QGTal4kDzR4>

Quorum was reached with three Commissioners voting in affirmative, roll call vote: Chair O’Leary – yes, Commissioner Biechler – yes, and Commissioner Egerton – yes. Three in the affirmative, the meeting began at 12:01 PM. Chair O’Leary opened the meeting.

Meeting attendees identified included: Don Howard from the Hanson Water Committee, Joanne Zygmunt from OCPC, Bill Napolitano from SRPEDD, Pine duBois from the Jones River Watershed Association, Bob Kenney of the Pembroke Watershed Committee, Matt Penella from Kingston Conservation, Charles Matthewson from WATD, Zach Eichenwald from CDM Smith, Jeremy Gillespie, and R Chase. Kimberly Groff of Groff Associates and Matthew Ladewig and Stephanie Martin from TRC Inc, also attended. Frank Basler, Plymouth County Administrator, attended and took minutes.

The minutes of October 28, 2023, were tabled to the next meeting.

The Chair asked for an update about the black plume from the diversion and follow up from the last meeting. Commissioner Biechler spoke to Patrick Hill, DPW Commissioner for the City of Brockton, and he will provide the CPCWDC updates via email and will get updates from the City. This will build better communication between the two organizations. According to the DPW, the plume was a temporary situation from the diversion, and all is fine now. The City is testing the pipe to be sure there is no crack or other malfunctions in the diversion pipe. This topic should be addressed by the next meeting. Commissioner Beichler will stay in touch with Mr. Hill.

Ms. duBois stated that there was a typo concerning the award of a NOAA grant. The grant was applied for with Kingston, and she will be notified later if Kingston/Jones River Watershed is awarded the funds.

The financial update as of October 31, 2023, was overviewed Frank Basler. The bank balance is \$115,313.65 as of that date. Commissioner Egerton made a motion to approve payment of the below TRC invoice, the Keene Engineering invoice for projected shipping cost up to \$4,000, and the reimbursement of expenses to Frank Basler for purchasing YouTube services for one year. Seconded by Commissioner Beichler. Roll call vote: Commissioner Biechler – yes, Commissioner Egerton – yes, and Chair O’Leary - yes. Motion passes unanimously.

- TRC inv# 609719 11/15/23 \$ 7,125.86
- Frank Basler reimbursement for YouTube \$ 139.99
- Keene Engineering on shipping up to \$4,000 – invoice to be given post pick up

The Chair asked for an update on the Hydrodredge. Frank Basler shared that it was delivered from the manufacturer today to the Division of Marine Fisheries (DMF) office in New Bedford and will be under the care of Brad Chase. The next steps are for the DMF to add a winch to the bow and take measurements for the motor and trailer. Frank will work with Mr. Chase to finalize specs on the necessary equipment to move ahead. These quotes will be brought before the Commissioners for approval.

Ms. Groff stated that she worked with TRC to get ready for the Public Forum meeting on December 4, 2023. She stated that after the meeting on December 4th and update of the findings from the study, TRC

will have finished their scope of work from the original RFP. Ms. Groff reviewed the flow of the meeting for December 4th which will be a high-level presentation while pointing out the CPCWDC web site to get further details on the study. Questions will be answered at the public session and written comments will be requested. Written comments will be accepted for a period of six weeks, through January 15, 2024, and can be sent to Frank Basler at fbasler@plymouthcountyma.gov. The Commissioners will look at further Silver Lake sampling in January.

Mr. Ladewig from TRC gave an update on the current sampling that was completed in October at Silver Lake with a slide deck that is posted on the CPCWDC website under the Silver Lake Sampling Project tab. There was a second round of sampling done on October 24, 2023. Results for October were slightly higher in phosphorous compared to previous monitoring. Chlorophyll levels (algae) decreased since September. Cyanobacteria declined from September to October but remained dominant in Silver Lake. Toxins were only detected in low levels from only two samples with all sample levels being below the 70,000 cell/ml "bloom" thresholds. Chair O'Leary asked for a suggestion on proper future monitoring. Commissioner Egerton asked if the diversion caused the higher levels of algae. Mr. Ladewig stated the data results cannot specifically be linked to the diversion but believes over time, the diversion has contributed to the algae bloom. The addendum will be ready in December.

The Chair discussed the December 4th Public Forum. The meeting will be via Zoom, which can hold up to 100 participants. The meeting will be recorded and then sent to PAC TV and posted on the website. The meeting will run live on the Plymouth County Facebook page.

Joanne Zygmunt gave an update on the OCPC water study. CDM Smith was awarded the project after a very competitive procurement and a contract was signed. They will begin the work with an official start date of November 29. A steering committee will be set up soon to discuss logistics and a time schedule. The proposal will be posted on the OCPC website. The Chair asked about the responsibilities of the CPCWDC liaison/representative. Commissioner Egerton stated that he would be happy to continue working with the Steering Committee and it should be a standing agenda item. Commissioner Beichler moved to appoint Commissioner Egerton as the liaison/representative to the Steering Committee. Seconded by Chair O'Leary. Roll call vote: Commissioner Biechler – yes, Commissioner Egerton – yes, and Chair O'Leary - yes. Motion passes unanimously. Kim Groff will continue to work as technical assistant for CPCWDC for the Study.

Ms. duBois mentioned the MEPA filing for the Forge Pond project and was posted last week. Public comments are being accepted.

The next scheduled CPCWDC Commissioners meeting will be the Public Forum on the Silver Lake Study on December 4, 2023, at 6 P.M. on Zoom. The next regularly scheduled meeting is on Tuesday, January 23 at noon on Zoom.

The meeting was adjourned at 1:10 P.M. Roll call vote: Commissioner Biechler – yes; and Chair O'Leary – yes. Motion passes 2-0 as Commissioner Egerton left the meeting at 1:05 P.M.

Submitted by Frank Basler

Attachments: agenda for November 28, 2023, Financial Update, TRC invoice, reimbursement invoice, and the TRC PowerPoint.

CENTRAL PLYMOUTH COUNTY
WATER DISTRICT COMMISSION

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ART EGERTON, PEMBROKE
AEGERTON@PLYMOUTHCOUNTYMA.GOV

NOTICE OF MEETING

DATE & TIME: **Tuesday, November 28, 2023, 12:00 pm**

MEETING LOCATION: **Zoom video/Teleconference**

Join Zoom Meeting <https://us06web.zoom.us/j/87177084148> Meeting ID: 871 7708 4148

Dial by your location 646 876 9923 US 646 931 3860 US Meeting ID: 871 7708 4148

This meeting notice is being filed and posted in each city or town within the Central Plymouth County Water District, pursuant to General Law Chapter 30A, Section 20. Said notice and agenda must be filed in the offices of the city and town clerks within the District **at least 48 hours** prior to such meeting. Such filing and posting shall be the responsibility of the officer calling the meeting.

AGENDA

Meeting opening

Approval of minutes: Tuesday, October 24, 2023

Finance report and invoice approval

Plymouth County Basler reimbursement for YouTube 10/24/23	\$ 139.99
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Keene Engineering freight invoice	\$ TBD
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TRC inv#620660	November 15, 2023	\$7,125.86
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Discussion of the TRC Silver Lake Water Quality Study October/November sampling and future steps from – Kimberly Groff and Matthew Ladewig

Discussion of December 4 meeting for the TRC Silver Lake Water Quality Study sampling study – program flow and speakers

Update on Old Colony Planning Council Water Study and vote for CPCWDC representative

Dredge completion and delivery update and approval vote for motor, trailer, and hose purchases

Other business not anticipated by Chair

Adjourn

Posted on Monday, November 20, 2023, at 12:00 pm at each of the eight Clerk's offices listed below and the County web site at www.plymouthcountyma.gov

Central Plymouth County Water District Commission

Minutes of Tuesday, October 24, 2023, ZOOM Meeting

The meeting took place via Zoom video/teleconference due to current COVID-19 social distancing recommendations issued by Governor Maura Healey and was recorded. The meeting can be viewed on YouTube at <https://www.youtube.com/watch?v=Xdkeadwwxl8>

Quorum was reached with two Commissioners voting in affirmative, roll call vote: Commissioner Biechler – yes and Commissioner Egerton – yes. Two in the affirmative, the meeting began at 12:01 PM. Chair O’Leary was not able to attend due to a conflict in his schedule. Commissioner Biechler agreed to chair the meeting in Chair O’Leary absence.

Meeting attendees identified included Al DeGirolamo from Senator Brady’s office; Councilor Susan J. Nicastro from Brockton City Council; Joanne Zygmunt from OCPC; Pine duBois from the Jones River Watershed Association; and Zach Eichenwald from CDM Smith. Kimberly Groff of Groff Associates and Matthew Ladewig and Stephanie Martin from TRC Inc, also attended. Frank Basler, Plymouth County Administrator, attended and took minutes.

Commissioner Egerton moved to accept the minutes of August 22, 2023. Seconded by Commissioner Biechler. Roll call vote: Commissioner Biechler – yes; and Commissioner Egerton – yes. Motion passes unanimously.

The financial update as of September 30, 2023, was overviewed by Commissioner Biechler. The bank balance is \$125,348.27 as of that date. Commissioner Egerton made a motion to approve payment of the below TRC invoices, the Keene Engineering invoice and projected shipping cost, and the reimbursement of expenses to renew and extend the Weebly website licenses. Commissioner Biechler seconded the motion. Roll call vote: Commissioner Biechler – yes; and Commissioner Egerton – yes. Motion passes unanimously.

- TRC inv# 609719 9/13/23 \$ 2,780.70
- TRC inv # 615428 10/18/23 \$ 5,643.95
- Frank Basler reimbursement for Weebly 10/23/23 for site mgt \$ 229.50
- Frank Basler reimbursement for Weebly 9/15/23 for domain \$ 53.90
- Keene Engineering balance on dredge \$33,323.32
- Keene Engineering on shipping up to \$3,000 – invoice to be given post pick up

Mr. Ladewig from TRC gave an update on the current sampling that was completed in September at Silver Lake with a slide deck. The Commissioners discussed the Commission approved diversion of Monponsett Pond from September 13 until the diversion was shut down by the City of Brockton at 4:50am on the 17th, with a pond level of 9.91". The diversion was approved in response to the high-water levels in Monponsett Pond and potential home damage due from the Ophelia storm that was coming and was authorized by the DEP. The conversation included focus on any damage that may have been done to Silver Lake from contaminants or increased algae from the diverted pond. Ms. duBois was concerned about the color of the water during the diversion and stated the black color of the out pipe may be an indication of a break in the diversion pipe. There will be additional water sampling completed in October by TRC.

Ms. Groff, during the September diversion, discussed planning with Jon Hobill from the Mass DEP and the need for a resource management plan for Monponsett Pond that the City of Brockton is working on. Ms. Groff stated that tight coordination is critical to insuring the safety of the lake with so many moving parts. Ms. Groff will work on a follow-up meeting with Mr. Hobill.

Pine duBois stated that the City of Brockton has not taken any water from Aquaria for a long duration and PFAS has taken the Avon Reservoir offline from City use. There is an extremely low water level at Silver Lake, and this is causing the fish and eels to be trapped by the low/no flow into the Jones River.

Mr. Eichenwald from CDM Smith stated that Brockton is sending a camera in the diversion pipe to see if there is a break, but he is not sure of the timeline. Also, the diversion is currently off.

Commissioner Biechler will reach out to the City of Brockton to see if there can be a discussion of the above concerns raised with key stakeholders.

Ms. Groff gave an update on the OCPC grant progress sharing that three RFP proposals were received, and interviews were completed. OCPC is still in discussions with the vendors and an announcement should be coming soon. Joanne Zygmunt of OCPC shared that three consultants answered the RFP and two interviews yielded a great selection for the project. Contracting should proceed by mid-November and then probably start the work by January 1.

Ms. Groff stated that TRC will be out sampling again in October and will have an update at the next meeting. She also recommended that the public listening session concerning the study be scheduled as this was a deliverable of the contract. A press release, trifold overview pamphlet, and a link to the final study was blasted out to 300 people, along with all District BOS members, the legislative delegation, town management, and the press. Frank Basler stated that there have been no comments received at the office concerning the study after this outreach. After some discussion, the Commissioners would like to schedule the outreach meeting via Zoom for Monday, December 4, 2023, at 6 pm. Frank Basler, Ms. Groff, and the Commissioners will work towards the meeting. Plymouth County will also resend the original email to the blast list with notice of the Zoom meeting.

Ms. Groff will make a formal submission of the study's data to DEP soon.

Ms. duBois thanked the Commissioners for the letter of support to remove a culvert under Lake Street, Kingston to facilitate fish passage. Ms. duBois shared that she will submit an application for a NOAA grant for the culvert removal in hopes of securing funding.

Frank Basler gave an update on the hydro dredge: Keene Engineering has completed the dredge and is readying the dredge for shipping. Brad Chase from the Department of Marine Fisheries has agreed to accept the dredge at their New Bedford facility to re-assemble and get the dredge ready for work. Keene will let us know how much the dredge shipping across the country will be. Frank stated that there may be an additional \$20,000 expended for a needed motor, trailer, and additional hosing.

Frank Basler stated that he will work with the DCR to receive the \$50,000 earmark that Senator Brady secured for administration and projects. There are still expenses outstanding after the \$45,000 in expenses voted on at today's meeting including the above \$20,000, sampling costs that were approved September/October of \$22,500 for TRC, and work by Kim Groff for the OCPC grant (probably about \$10,000). After these transactions, it should leave about \$75,000 unencumbered.

The next regularly scheduled CPCWDC Commissioners meeting will be on Tuesday, November 28 at noon.

The meeting was adjourned at 1:15 P.M. Roll call vote: Commissioner Biechler – yes; and Commissioner Egerton – yes. Motion passes unanimously.

Submitted by Frank Basler

Attachments: agenda for August 22, 2023, Financial Update, TRC invoices, reimbursement invoice, and the TRC PowerPoint.

Financial Activity for CPCWDC

10/31/2023	Interst for October	\$	26.08	\$	115,313.65	statement balance 10/31/23 \$115,313.65
10/30/2023	1039 - Frank Basler	\$	(283.40)			
10/24/2023	1036 - TRC	\$	(9,777.30)			
9/30/2023	Interest September	\$	25.75	\$	125,348.27	statement balance 9/30/23 \$125,348.27
8/31/2023	Interest August	\$	29.64			
8/18/2023	1035 - County of Plymouth	\$	(3,573.31)			
8/29/2023	1034 - Groff Consulting	\$	(5,400.00)			
8/7/2023	chk 1033 - TRC	\$	(38,647.10)			
7/31/2023	Interest July	\$	36.71			
6/30/2023	Interest for June	\$	35.51	\$	172,876.58	statement balance 6/30/23 \$172,876.58
5/31/2023	Interest for May	\$	36.70	\$	172,841.07	statement balance 5/31/23 \$172,841.07
4/30/2023	Interest for April	\$	17.82	\$	172,804.37	
4/26/2023	DCR deposit of for FY 23 Earmarks	\$	100,000.00			
4/4/2023	TRC Invoice	\$	(6,330.60)			
3/31/2023	Interest for March	\$	49.15	\$	79,117.15	
3/22/2023	Old Colony Planning Group	\$	(225,000.00)			
2/28/2023	Interst for February	\$	62.15	\$	304,068.00	statement balance 2/28/23 \$304,068.00
2/22/2023	TRC	\$	(26,702.95)			
1/31/2023	Interest for January	\$	71.05			
		\$	(15,457.97)			
12/31/2022	Interest for December	\$	73.90	\$	346,095.72	statement balance 12/31/22 \$346,095.72
12/28/2022	Invoice Kimberly Groff Assoc	\$	(2,362.50)			
11/30/2022	Interest for November	\$	73.04	\$	348,384.32	statement balance 11/30/22 \$348,384.32
11/8/2022	TRC invoices	\$	(26,620.87)			chck #1026
11/7/2022	County invoicing for FY 22	\$	(4,581.25)			chck #1027
10/31/2022	Interest for October	\$	80.56	\$	379,513.40	statement balance 10/31/22 \$379,513.40
9/30/2022	Interest for September	\$	77.95	\$	379,432.84	statement balance 9/30/22 \$379,432.84
8/31/2022	Interest for August	\$	17.38	\$	379,354.89	statement balance 8/31/22 \$379,354.89
8/19/2022	deposit for Keene Engineering for dredge	\$	(35,000.00)			
8/15/2022	TRC invoices for May, June, and July 2022	\$	(21,227.68)			
7/31/2022	Interest for July	\$	18.50	\$	435,565.19	statement balance 7/31/22 \$435,565.19
6/30/2022	Interest for June	\$	17.90	\$	435,546.69	statement balance 6/30/22 \$435,546.69
5/31/2022	interest for May	\$	18.93			
5/23/2022	Invoice for Kimberly Groff Assoc (April Inv)	\$	(3,300.00)	\$	435,509.86	
5/23/2022	Invoice for TRC environmental (April Inv)	\$	(7,145.43)			
4/30/2022	Interest for April	\$	18.53			statement balance 4/30/22 \$449,621.87
4/22/2022	Invoice for TRC environmental (March Inv)	\$	(3,666.58)			
4/12/2022	Invoice Kimberly Groff Assoc	\$	(3,975.00)			
3/31/2022	Interest for March	\$	19.49	\$	453,578.34	statement balance 3/31/22 \$453,578.34
3/11/2022	ESS Consulting invoice	\$	(16,563.64)			
2/28/2022	Interest for February	\$	18.32	\$	470,122.49	statement balance 2/28/22 \$470,122.49
2/22/2022	ESS Consulting invoice	\$	(9,851.40)			
1/31/2022	Interest for January	\$	20.38	\$	479,955.57	
1/3/2022	Peter Tuttle final payment #1016	\$	(1,038.00)			
12/31/2021	Interest for December	\$	21.23	\$	480,973.19	statement balance 12/31/21 \$480,973.19
11/27/2023						



INVOICE

PAYMENT INSTRUCTIONS: Please pay by ACH or WIRE. Provide Invoice Numbers/Amounts to
ARremitdetail@trccompanies.com

Electronic Funds Payment Details:

Bank Name: Citizens Bank:
US ACH: 211170114
US WIRE: 011500120

Swift Code: CTZIUS33
Account Name: TRC
Account Number: 2232037090

Check Payment Mailing Address: TRC LOCKBOX • P.O. BOX 536282 • PITTSBURGH, PA 15253-5904

Central Plymouth County Water District Commission
44 Obery Street
Plymouth, MA 02360

November 15, 2023
Project No: 016120.0000.0000
Invoice No: 620660
Project Manager: Matthew Ladewig

Project 016120.0000.0000 SILVER LAKE WATER QUALITY MONITORING PROGRAM

Professional Services through November 10, 2023

Phase 000001 ADMINISTRATION AND REPORTING

TRC Personnel

	Hours	Rate	Amount	
Ladewig, Matthew	3.50	215.00	752.50	
Communication Fee			30.10	
Total	3.50		782.60	782.60
Total this Phase				\$782.60

Phase 000010 2023 Monitoring Program

TRC Personnel

	Hours	Rate	Amount	
Bertherman, Joseph	11.00	110.00	1,210.00	
Ladewig, Matthew	5.50	215.00	1,182.50	
Martin, Stephanie	3.00	140.00	420.00	
Mottola, Sophia	18.50	95.00	1,757.50	
Communication Fee			182.80	
Total	38.00		4,752.80	4,752.80

Subcontractors

Reimb/Sub-Other Subcontractor Costs				
10/14/2023	Aquatic Analysts Inc.	Algae analyses	820.00	
Reimb/Sub-Lab Costs				
10/19/2023	Phoenix Environmental Laboratories Inc	Silver Lake	88.00	
10/19/2023	Phoenix Environmental Laboratories Inc	Silver Lake	88.00	
10/19/2023	Phoenix Environmental Laboratories Inc	Silver Lake	88.00	
10/19/2023	Phoenix Environmental Laboratories Inc	Supplies	36.00	
10/19/2023	Phoenix Environmental Laboratories Inc	Silver Lak	72.00	
10/19/2023	Phoenix Environmental Laboratories Inc	Silver Lake	187.18	
Total Subcontractors		1.1 times	1,379.18	1,517.10

Project	016120.0000.0000	SILVER LAKE WATER QUALITY MONITORING PRO	Invoice	620660
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Field Equipment & Vehicles

Company Vehicle - Mileage

10/24/2023	56.0 Miles @ 0.655	36.68	
10/24/2023	56.0 Miles @ 0.655	36.68	
Total Units	1.0 times	73.36	73.36

Total this Phase	\$6,343.26
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Total this Invoice	\$7,125.86
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Hi Frank,

Thanks for buying 12 months of **YouTube Premium** membership! You can start watching immediately and you'll have access until **Oct 24, 2024**.

You can explore, manage, and cancel your membership any time by visiting YouTube account settings.

GET STARTED

Welcome aboard!
The YouTube team

Membership details

12-Month Plan	\$139.99
Access ends: Oct 24, 2024	
Tax	\$0.00
Total	\$139.99
Paid with Visa **** 5680	

Order Date
Oct 24, 2023

Order Number
YTR.J9HK-XBRS-MASU-CLEB

Need help? Contact support or go to our Help Center. Please don't reply to this email.



Complete your purchase



YouTube Premium
Membership

\$139.99

12-Month Plan

\$139.99

Access ends: Oct 24, 2024



Pay Visa **** 5680



By clicking **Start membership**, you're verifying that you're at least 18 years old, buying a paid membership, and agreeing to these terms.

Total today

\$139.99

START MEMBERSHIP

Silver Lake Water Quality Monitoring Program

Update on Recent Project Findings

Central Plymouth County Water District Commission
November 28, 2023



SUPPORTING

[DOING]

LEADING

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2023 Monitoring Program – Locations

- Focus on key surface water sampling locations
- Based on results of the 2021-2022 SLWQ Monitoring Program and observations from the Monponsett emergency diversion in September
- 7 total sampling locations
- 4 in-lake surface water locations – includes new location adjacent to diversion inlet for September
- 2 tributary and outlet surface water locations
- 1 diversion source surface water locations

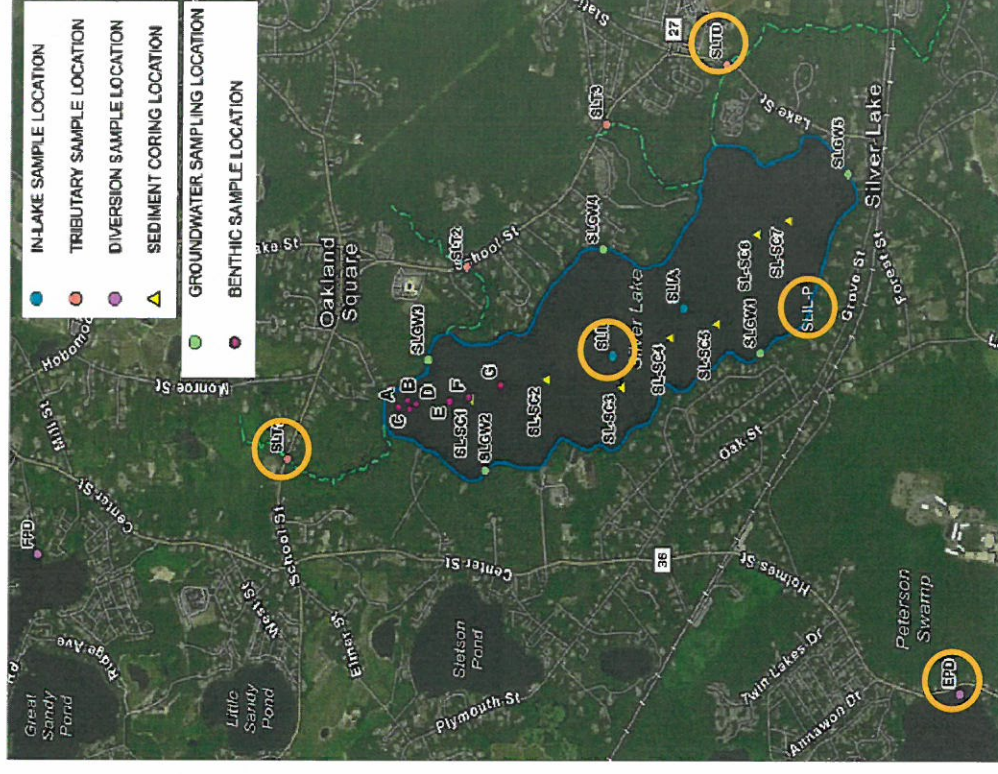
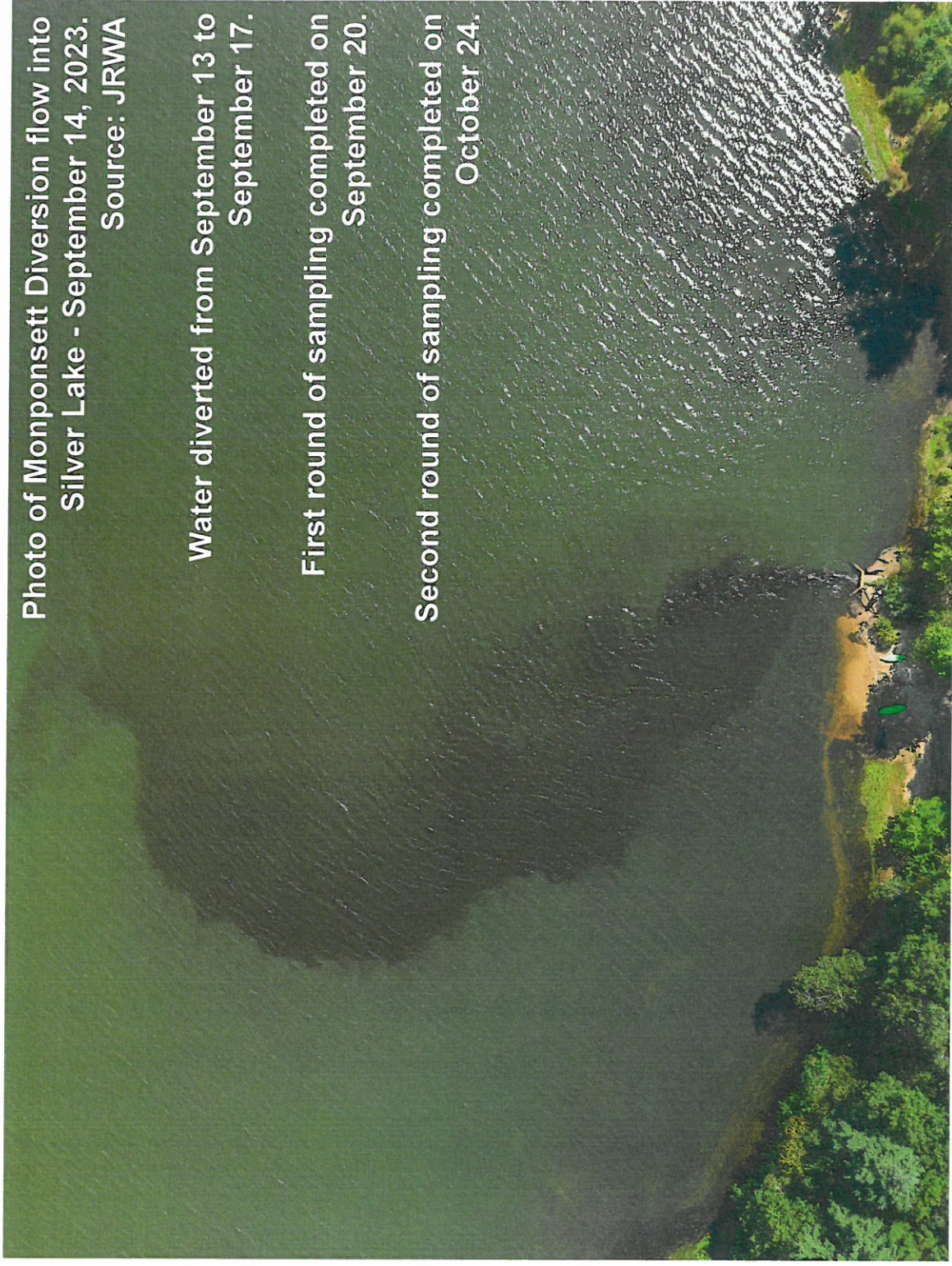


Photo of Monponsett Diversion flow into
Silver Lake - September 14, 2023.
Source: JRWA

Water diverted from September 13 to
September 17.

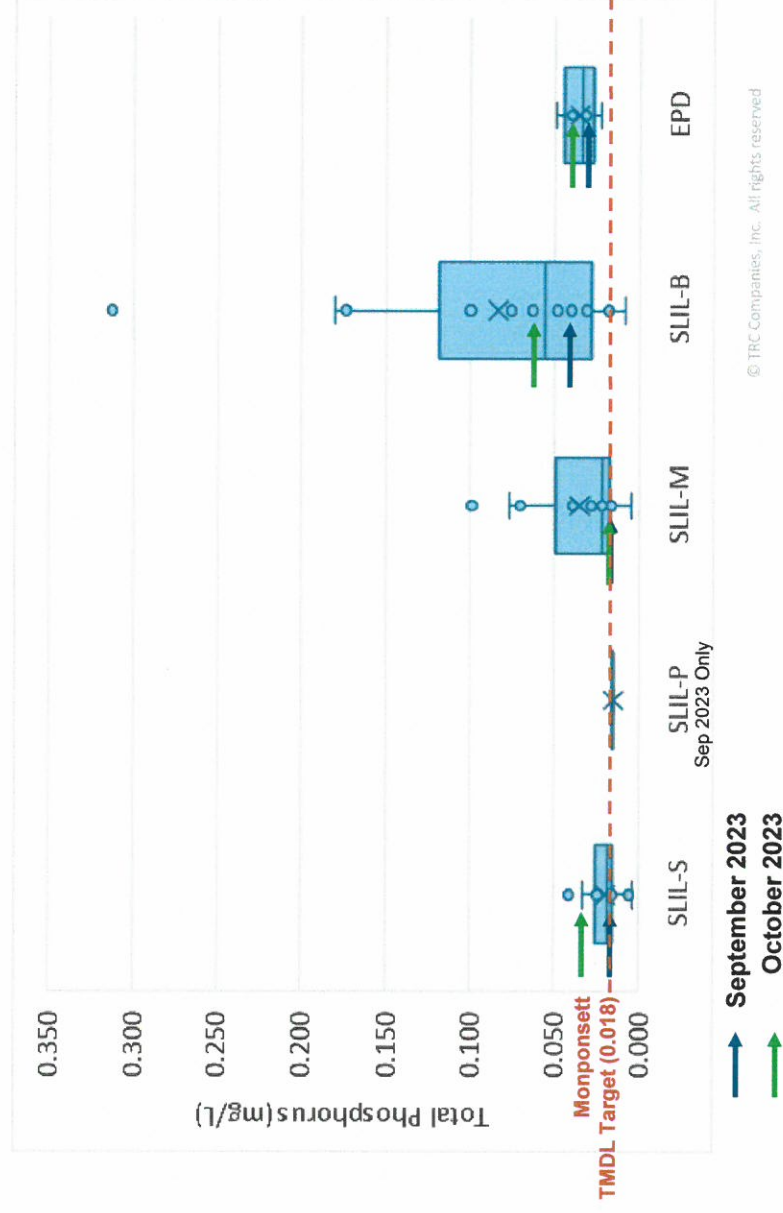
First round of sampling completed on
September 20.

Second round of sampling completed on
October 24.

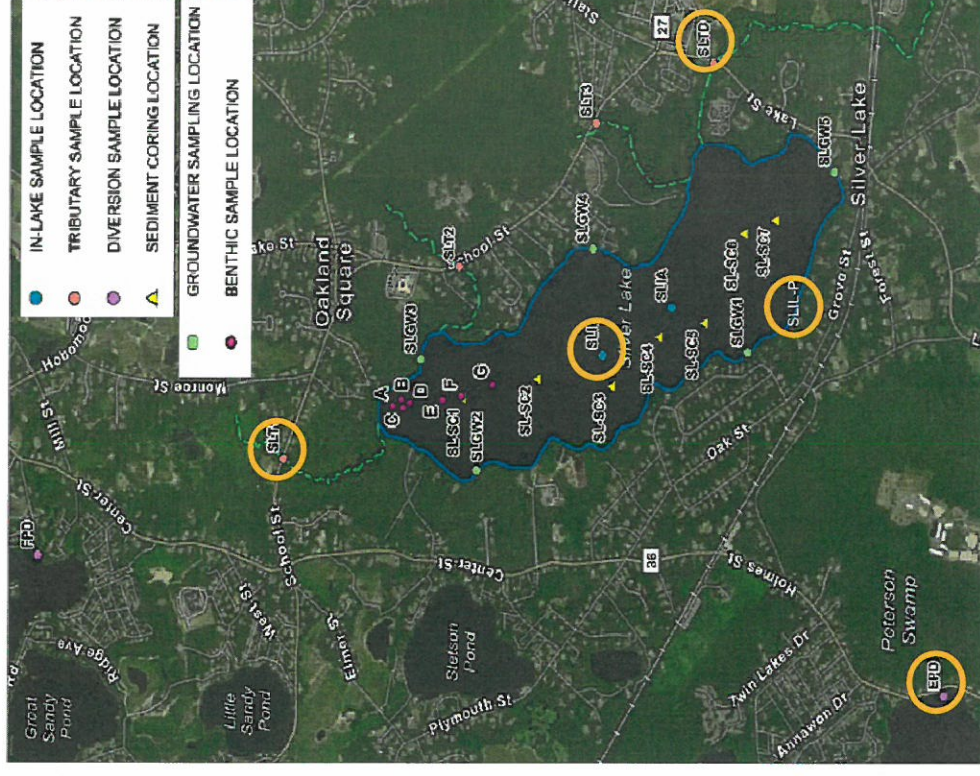


2023 Monitoring Program – Results

- Sep total phosphorus near or slightly below median values for full CPCWDC dataset
- Oct near or above median values

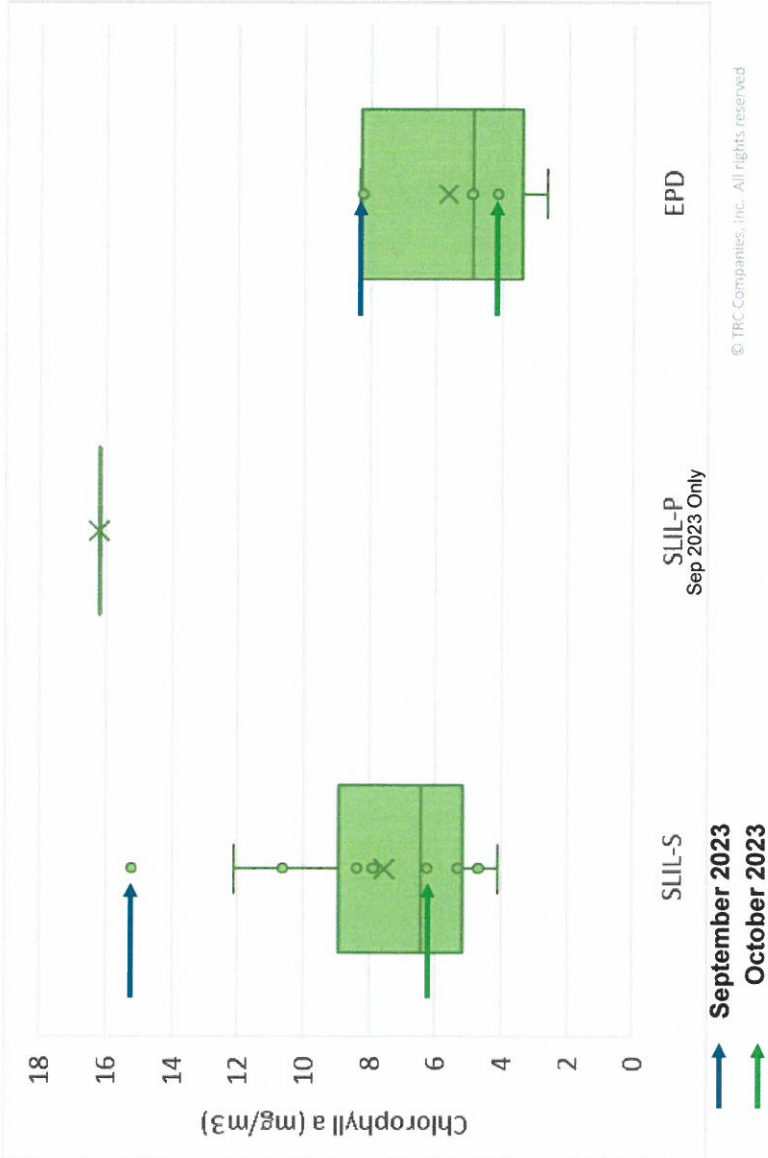


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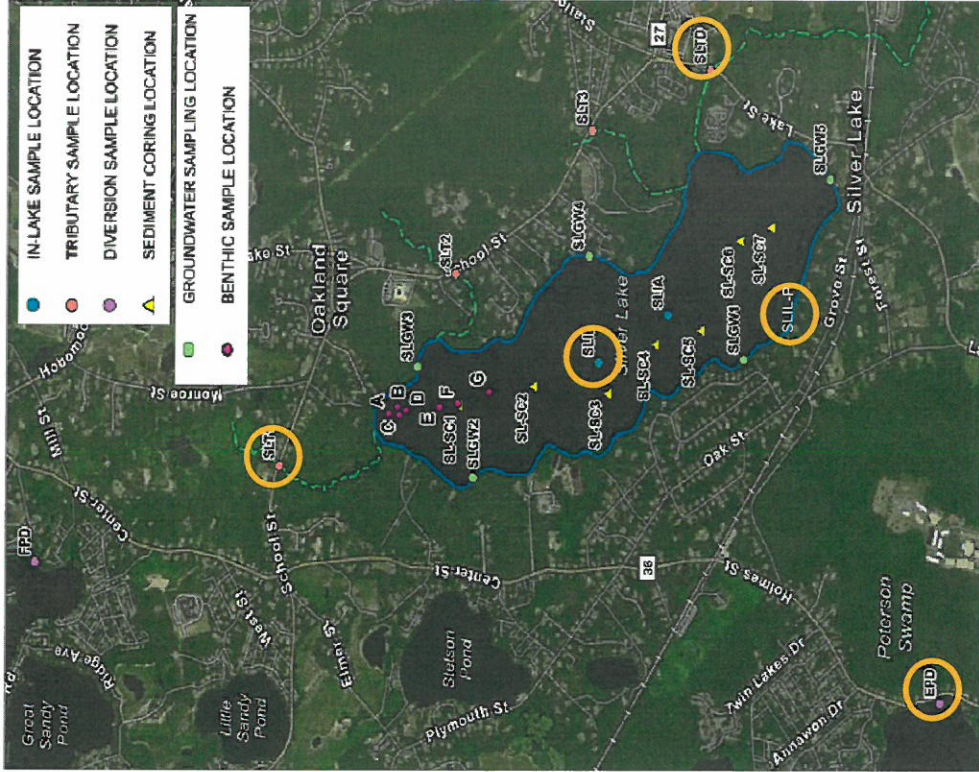


2023 Monitoring Program – Results

- Sep chlorophyll a at record highs compared to full CPCWDC dataset
- Oct chlorophyll a closer to typical



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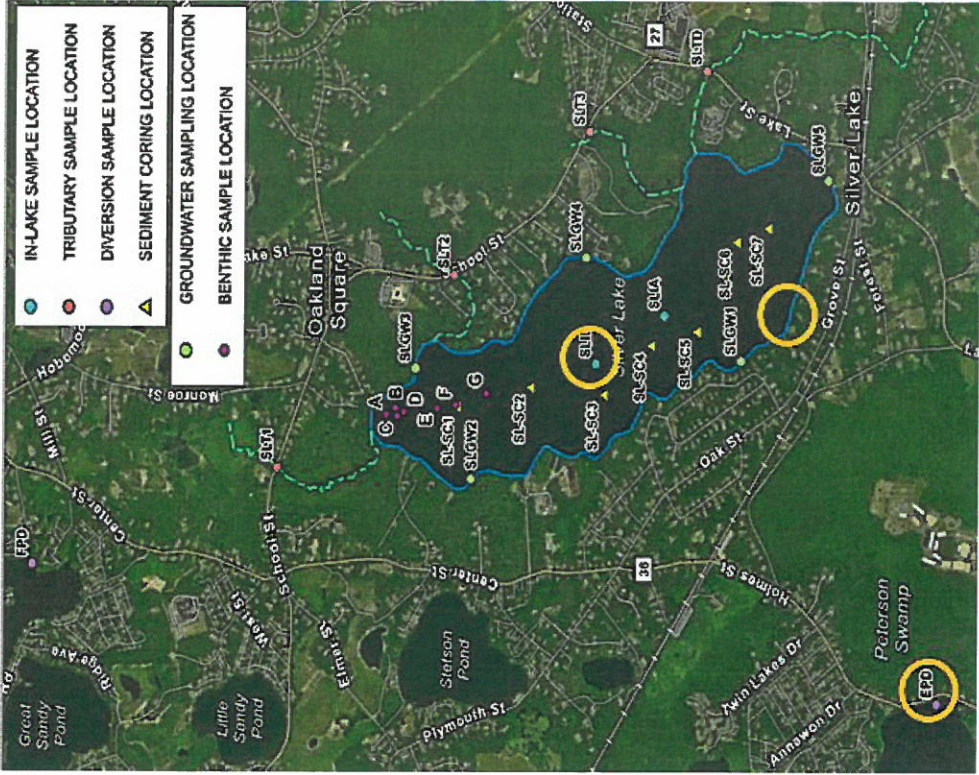


2023 Monitoring Program – Results

- Cyanobacteria cell counts declined from Sep to Oct but remained dominant in Silver Lake
- All results below 70,000 cell/mL “bloom” threshold
- Toxins (microcystins) only detected in two samples – both were low-level detections at station EPD (Monponsett)

Location	Cyano Cell Count		% of Total Phytoplankton Biovolume		Microcystins (µg/L)	
	September	October	September	October	September	October
SLUL-S	32,177	2,494	91%	64%	<0.30	<0.30
SLUL-P	19,479	NS	89%	NS	<0.30	NS
EPD	3,918	292	17%	8%	0.87	0.30

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Thanks!

Questions?



Call Us:

Matt Ladewig
401.330.1204



Email Us:

mladewig@TRCcompanies.com



Visit Us:

TRCcompanies.com

