

Central Plymouth County Water District Commission

Minutes of Tuesday October 25, 2022, ZOOM Meeting

The meeting took place via Zoom video/teleconference due to current COVID-19 social distancing recommendations issued by Governor Charles Baker.

Quorum was reached with two Commissioners voting in affirmative, roll call vote: Commissioner Biechler – yes and Chair O’Leary – yes. Two in the affirmative, the meeting began at 12:04 PM.

Meeting attendees identified included Al DeGirolamo from Senator Brady’s office; Sydné Marrow from Mayor Sullivan’s office; Don Howard of Hanson Water Committee; Joanne Zygmunt of the OCPC; Pine duBois of the Jones River Watershed Association; Stephanie Martin; Rosemary Connolly; Bernadette Kolb; Art Egerton; and Don. Matt Ladewig TRC, Inc as the Silver Lake Water Quality Monitoring Project consultant and Kimberly Graff of Groff Associates also attended. Frank Basler, Plymouth County Administrator, attended and took minutes.

Chair O’Leary introduced Commissioner Laura Biechler. This is Commissioner Laura Biechler’s first meeting as she was voted on to the Commission at the September 12, 2022, CPCWDC Advisory Committee Meeting. Ms. Biechler gave her background and was excited to join the Commission.

Chair O’Leary then stated the Commissioner Mark Sotir resigned due to moving out of the District. The Advisory Board was told there are three candidates to fill the position. The Advisory Board will meet on November 21 to fill the vacancy.

The Chair then introduced Joanne Zygmunt from the OCPC to update the meeting about the Economic Resilience and Sustainable Water Supply in the Old Colony Economic Development District (see attached pages). Ms. Zygmunt requested the Commissioners allocate a portion of the CPCWDC bank account to fund the grant as part of the match portion of the grant. Ms. Zygmunt was planning on these funds to make up a portion of the \$500,000 they would need to drive a project of \$1,000,000. The application must be submitted by end of January. The Chair asked the Administrator to create a financial picture of CPCWDC allocated funds to see how much may be put towards the project. The Commissioners will meet mid-November to decide on a final amount.

Matt Ladewig and Kimberly Groff then gave an update of the TRC project and some initial test results on cyanobacteria readings. Mr. Ladewig shared and spoke to three graphs (attached). The amount of cyanobacteria surpassed 12.55ng/ml in March showing higher than drinking water and recreational levels which should require an advisory. The Chair stated that testing should be expanded. These readings require additional conversations as the readings can affect both drinking water and local citizens.

Mr. Ladewig also discussed oxygen level readings of Silver Lake by showing a chart (attached). In July and August five to six meter and below showed little or no oxygen, also known as anoxic.

Finally, Mr. Ladewig showed chart 3 illustrating sediment coring levels and phosphorous measurements.

Ms. duBois stated the importance of this information in the report. She asked about the solar bees and the impact of the. There is a YouTube video on the Jones River Watershed website (at www.jonesriver.org).

Discussion will continue in the upcoming meetings.

Chair O'Leary moved to accept the minutes of July 26, 2022. Seconded by Commissioner Biechler. Roll call vote: Commissioner Biechler – yes and Chair O'Leary– yes. Motion passes unanimously.

Frank Basler gave an overview of the Finance Report. The September 30, 2022, bank balance was \$379,432.84 (see attached). There were no questions raised.

- TRC invoice 547637 dated August 24, 2022, for \$4,637.06.
- TRC invoice 552195 dated September 19, 2022, for \$13,483.37
- TRC invoice 557447 dated October 19, 2022, for \$5,500.44
- Bond Printing 43769 dated September 23, 2022, for \$90.00
- Plymouth County services invoice dated July 29, 2022, for \$4,491.25

Commissioner O'Leary made a motion to approve the invoices as noted above. Seconded by Commissioner Biechler. Roll call vote: Commissioner Biechler – yes and Chair O'Leary– yes. Motion passes unanimously.

The Chair then asked Frank for an update on the dredge. He shared that Keene Engineering had had trouble with sourcing the usual equipment needed to build the dredge, specifically the pumps. Mr. Keene is looking at alternative sources and will give us an update as soon as possible.

The next regularly scheduled meeting will be a Zoom meeting on Tuesday, December 20th at noon.

Meeting adjourned at 1:30 P.M.

Submitted by Frank Basler

CENTRAL PLYMOUTH COUNTY
WATER DISTRICT COMMISSION

44 OBERY STREET, PLYMOUTH, MA 02360

WWW.CENTRALPLYMOUTHCOUNTYWATER.ORG



JACK O'LEARY, CHAIR, PLYMPTON
JOLEARY@PLYMOUTHCOUNTYMA.GOV

LAURA BIECHLER, BROCKTON
LBIECHLER@PLYMOUTHCOUNTYMA.GOV

Amended - NOTICE OF MEETING

DATE & TIME: **Tuesday, October 25, 2022, 12:00 pm**

MEETING LOCATION: **Zoom video/Teleconference**

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.

Join Zoom Meeting <https://us06web.zoom.us/j/87946711627> Meeting ID: 879 4671 1627

Dial by your location +1 646 876 9923 US +1 646 931 3860 Meeting ID: 879 4671 1627

AGENDA

Meeting opening

Introduction of new Commissioner – Laura Biechler

Update on Mark Sotir resignation and potential candidates

Economic Resilience and Sustainable Water Supply in the Old Colony Economic Development District

Cyanobacteria testing results and actions

Update on TRC/ESS Project

Grant for Commissioner's involvement and action

Approval of minutes: Tuesday, July 26, 2022

Finance report and invoice approval for TRC Invoice and Plymouth County

Update purchase of hydrodredge

Other business not anticipated by Chair

Adjourn

Amended Friday, October 21, 2022 and Posted on Tuesday, October 18, 2022, at 3:00 pm at each of the eight Clerk's offices listed below and the County web site at www.plymouthcountyma.gov

**Economic Resilience and Sustainable Water Supply in
the Old Colony Economic Development District
DRAFT, 10/20/22**

Affordable, sustainable water supplies are essential for continued economic recovery and long-term development. By being aware of future water supply needs, limitations to current supplies, and how climate change is likely to affect our region, we can collaborate on and invest today in ensuring our region maintains a strong economy, healthy environment, and vibrant quality of life long into the future.

The EDD is experiencing a critical need for increased access to diversified water resources as well as expanded water supply infrastructure. Several municipalities are experiencing limits to growth in their industrial parks and main streets because of no or limited access to public water supply. In addition, several municipalities are also facing uncertainty about their once perceived abundant water supplies; for example, the Town of Plymouth, which is the second fastest developing community in the State (beat only by Cambridge), is currently studying the threat saltwater intrusion may pose to their Sole Source Aquifer. The City of Brockton, meanwhile, is considering additional supply side options as their primary source of water, Silver Lake, is deteriorating in quality, susceptible to drought, and overused to the point of impacting the ecological integrity of the local area. The city already went through a period of economic shock in the 80s when development had to be halted due to lack of adequate water supplies – this cannot happen again.

OCPC will partner with stakeholders from across the region to develop a Regional Economic Resilience and Sustainable Water Supply Plan. The key strategic aims of this plan would be as follow:

- Quantifying current and future (25-year) water supply needs within the region, including documenting and/or generating demand projections for each municipality in the region
- Examining how much of future demand can be met with current water supplies, especially when climate change, ecological health, and affordability are factored in
- Identifying resilient, sustainable supply-side options that would address future gaps in demand (this would include identifying critical regional infrastructure needs)
- Examining opportunities for demand-side management, including municipal-level water conservation and efficiency programs
- Examining opportunities for decentralized water supply systems in the region

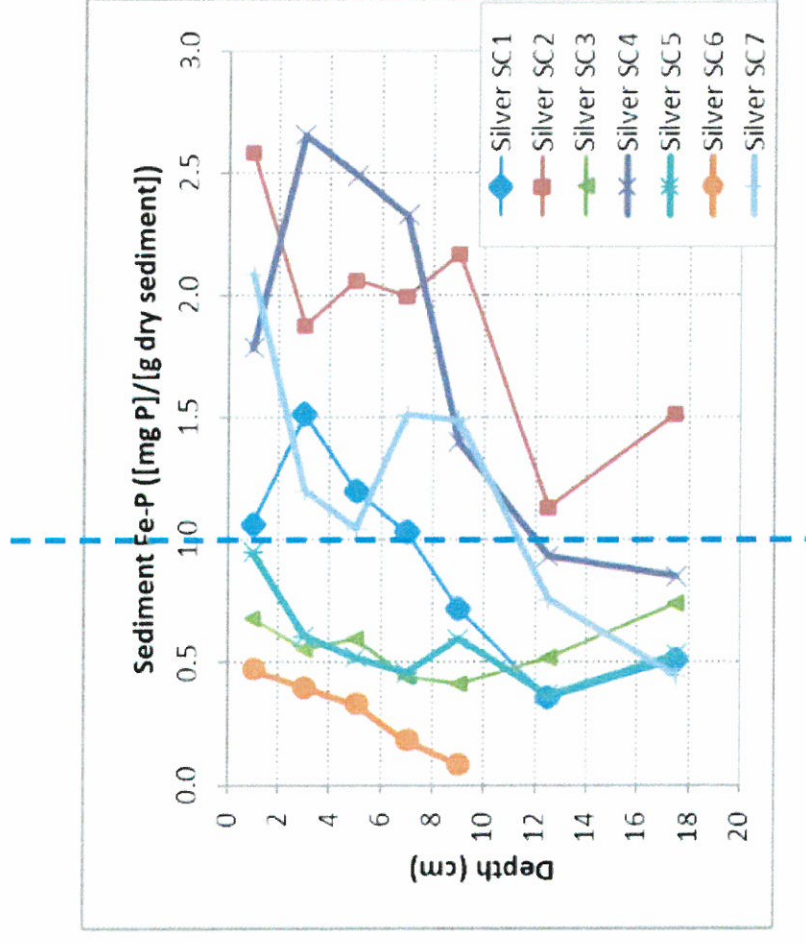
Partners in this project would include but not be limited to the following: municipalities in the region, Metro South Chamber of Commerce, South Shore Chamber of Commerce, Plymouth Area Chamber of Commerce, Central Plymouth County Water District Commission, Taunton River Watershed Association, Jones River Watershed Association, North and South Rivers Watershed Association, and the Massachusetts Audubon.

This project will be of particular importance to the City of Brockton, the region's economic hub. Brockton faces socioeconomic and environmental justice challenges common for post-industrial cities, including average household income below the state average and average educational

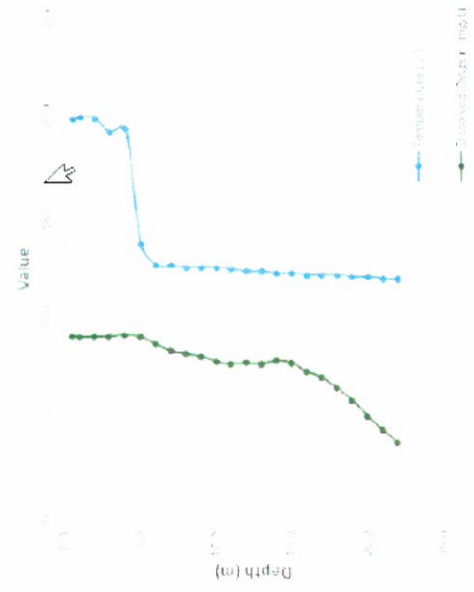
attainment rate below state average. The city is minority White and has a multilingual workforce. Its economic development was stunted in the 80s when inadequate water supplies prevented new development – communities around Brockton flourished during this time, but Brockton stayed behind. It is only now beginning to catch up and another development halt would cause a severe economic downturn.

Sediment Coring and Phosphorus Fractionation Preliminary Results

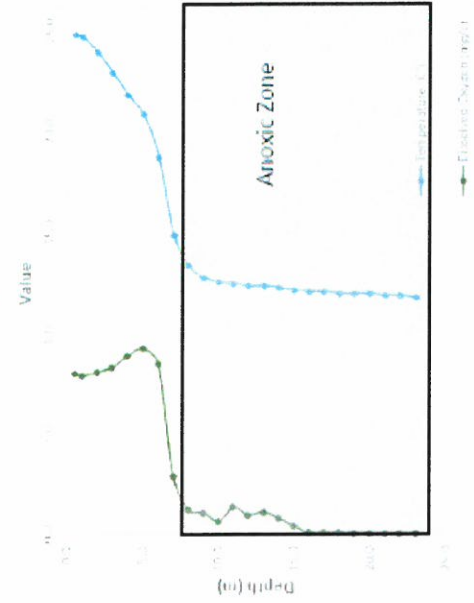
- Phosphorus levels look to be high in deepwater sediments of Silver Lake - > 2,000 mg/kg (2 mg/g)
- Primary fraction is iron-bound, particularly in top few cm of sediment - > 1,000 mg/kg (1 mg/g) in surficial sediments of 4 cores
- This fraction readily releases under anoxic conditions – up to ~19 mg P/m²/day



May 23, 2022



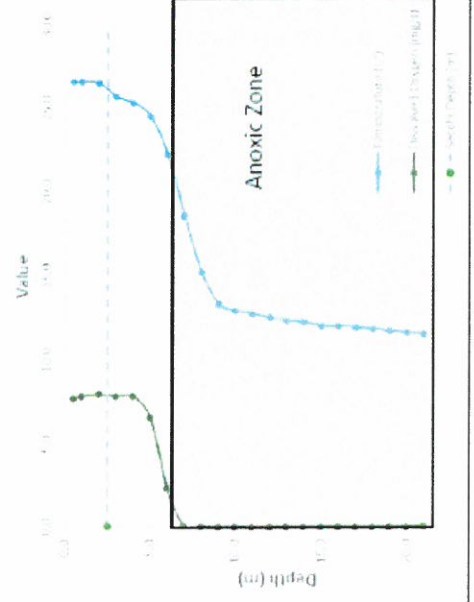
June 28, 2022



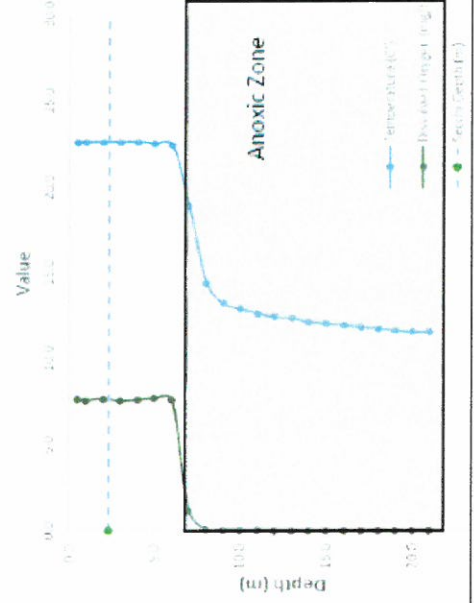
July 14, 2022



August 31, 2022



September 15, 2022



Cyanobacteria Testing Results

Silver Lake @ SLIL - S
Cyanobacteria Density

	7-Sep-21	14-Oct-21	9-Nov-21	15-Dec-21	29-Mar-22	27-Apr-22	23-May-22
	Cells/mL	Cells/mL	Cells/mL	Cells/mL	Cells/mL	Cells/mL	Cells/mL
<i>Anabaena flos-aquae</i>	ND	1,646	ND	ND	ND	ND	ND
<i>Anabaena planctonica</i>	1,463	3,566	ND	ND	ND	ND	ND
<i>Aphanizomenon flos-aquae</i>	3,328	1,207	138	2,548	30,618	19,924	5,381
<i>Aphanotheca sp.</i>	3,047	ND	ND	ND	ND	ND	ND
<i>Limnothrix sp.</i>	ND	ND	553	386	ND	ND	ND
<i>Microcystis sp.</i>	ND	1,097	ND	ND	ND	ND	ND
<i>Oscillatoria limnetica</i>	ND	823	6,425	17,357	ND	ND	ND

- Max measured cyano density in Silver Lake to date is 30,618 cells/mL (compare to MDPH advisory level of 70,000 cells/mL or visible scum)
- No detections of cyanos in Furnace Pond or East Monponsett but fewer measurements (Mar/May)

Silver Lake @ SLIL-S

Concentration of Microcystins/Nodularins (ng/mL)

	September	October	March 2022	April 2022	May 2022	June 2022	July 2022	August 2022
Microcystins/Nodularins	0.83	4.20	12.55	3.88	3.48	0.7	<0.30	<0.30

- Microcystins concentration up to 12.55 ng/mL
 - Drinking Water Health Advisory Level is 0.7 ng/mL
 - MDPH advisory level is 8 ng/mL
- No detection of microcystins in Furnace Pond or East Monponsett but fewer measurements

Financial Activity for CPCWDC

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
12/29/2021	check 1015, EES Oct and Nov invoices	\$	(20,857.18)			
12/20/2021	check 1017, reimb Basler for web expenses	\$	(283.40)			
11/30/2021	Interest for November	\$	20.64	\$	502,092.54	statement balance 11/30/21 \$502,092.54
10/31/2021	Interest for October	\$	20.00	\$	502,071.90	statement balance 10/31/21 \$502,071.90
10/22/2021	State Earmark	\$	50,000.00	\$	502,051.90	administrative set aside
10/12/2021	ESS Consulting	\$	(21,783.01)	\$	452,051.90	chk# 1014
9/30/2021	Interest for September	\$	19.48	\$	473,834.91	
9/1/2021	Kimberly Groff Assoc	\$	(2,625.00)	\$	473,815.43	chk # 1012
8/31/2021	Interest for August	\$	20.39	\$	476,440.43	statement balance 8/31/21 \$476,440.43
8/25/2021	Frank Basler	\$	(130.76)	\$	476,420.04	
8/25/2021	Plymouth County	\$	(4,730.08)	\$	476,550.80	chk \$1011 for services for FY 21
7/31/2021	Interest for July	\$	20.44	\$	481,280.88	statement balance 7/31/21 \$481,280.88
6/30/2021	Interest for June	\$	19.78	\$	481,260.44	statement balance 6/30/21 \$481,260.44
5/31/2021	Interest for May	\$	20.51	\$	481,240.66	
5/4/2021	Kimberly Groff Assoc	\$	(4,950.00)	\$	481,220.15	
4/30/2021	interest for April	\$	19.98	\$	486,170.15	
3/31/2021	Interest for March	\$	20.64	\$	486,150.17	statement balance 3/31/21 \$486,150.17
2/28/2021	Interest for February	\$	18.65			
1/31/2021	Interest for January	\$	20.64	\$	486,110.88	statement balance 1/31/21 \$486,110.88
12/31/2020	Interest for December	\$	20.60	\$	486,090.24	statement balance 12/31/20 \$486,304.01
12/30/2020	brochure printing and acrylic holders	\$	(213.77)			reimb to Frank chk#
11/30/2020	Interest for November	\$	19.93	\$	486,283.41	statement balance 11/30/20 \$486,283.41
10/31/2020	Interest for October	\$	20.59			
9/30/2020	Interest for September	\$	20.02	\$	486,242.89	statement balance 9/30/20 \$486,497.89 - diff Source4 chk
9/16/2020	invoice for Source4 for brochure final payment	\$	(255.00)			pd #1007 \$255.00
	transfer for County Expenses	\$	(2,805.94)			pd #1008 \$2,805.94
8/31/2020	Interest for August	\$	22.06	\$	489,283.81	statement balance 8/31/20 \$
7/31/2020	Interest for July	\$	41.44	\$	489,261.75	statement balance 7/31/20 \$489,220.31
6/30/2020	Interest for March, April, May, and June	\$	260.56	\$	489,220.31	statement balance 6/30/20 \$489,220.31
2/29/2020	Interest for January and February	\$	240.84	\$	488,959.75	statement balance 2/29/20 \$488,959.75
1/20/2020	reimb to Basler for Weebly invoices #1006	\$	(263.45)			pd #1006 \$263.45
1/20/2020	Madeline M. Smith invoice 11/30/19 #1005	\$	(1,025.00)			pd #1005 \$1,025.00
12/31/2019	Interest December	\$	124.82	\$	490,007.36	statement balance 12/31/2019 \$490,007.36
11/30/2020	Interest November	\$	91.36	\$	489,882.54	statement balance 11/30/2019 \$489,882.54
11/1/2019	Madeline M. Smith invoice 9/30/19 #1004	\$	(1,210.39)			
11/15/2019	DCR Transfer Admin Costs	\$	50,000.00			
11/15/2019	DCR Transfer special earmark	\$	155,000.00			
10/31/2019	Interest October	\$	97.13	\$	286,001.57	
9/30/2019	Interest September	\$	94.13			
8/31/2019	Interest for August	\$	97.66	\$	285,810.31	statement balance 8/31/2019 \$287,565.31
8/27/2019	Madeline M. Smith invoice #1003	\$	(1,755.00)			
6/30/2019	Interest for July	\$	97.63			
6/30/2019	Interest for June	\$	95.57	\$	287,370.02	statement balance 6/30/19 \$287,370.02
5/31/2019	Interest for March, April, and May	\$	302.58			
5/29/2019	Peter Tuttle final payment #1002	\$	(10,860.00)			
4/30/2019	County of Plymouth - Admin FY 19 and Expenses (7/1 to 4/30)	\$	(2,186.33)			email, admin fee \$1,500 for FY 19, and misc services
3/31/2019	interest through March 31, 2019	\$	259.27			
1/22/2019	DCR for water plan	\$	170,000.00			
1/22/2019	DCR for FY 19	\$	50,000.00			
6/1/2018	DCR for FY 18	\$	50,000.00			
5/30/2018	interest through May 31, 2018	\$	138.53			
4/19/2018	Peter Tuttle #1003	\$	(7,950.00)			
3/8/2018	County of Plymouth - FY 18 Admin and Expenses	\$	(1,227.40)			email, bussiness cards, admin fee \$1,000 FY '18
3/8/2018	Corona Environment	\$	(9,900.00)			
1/30/2017	County of Plymouth - FY 17 Admin and Expenses	\$	(1,302.20)			email, bussiness cards, envelopes, admin fee \$1,000 FY '17



THE COUNTY OF PLYMOUTH
44 OBERY STREET
PLYMOUTH, MA 02360
(508)830-9101

CS14
Thank You!

Date: 7/29/2022

TO: Central Plymouth County Water District Commission

c/o CPCWDC Commissioners

44 Obery Street

Plymouth, MA 02360

Administrative Support for July 1, 2021 to June 30, 2022	
Annual Service Fee for FY 2022: July 1 to June 30, 2022	\$ 1,500.00
Email Services for FY 2022: July 1 to June 30, 2022	
waterdistrict E1 for 12 months @ \$5.90	\$ 70.80
JZygmunt E1 for 12 months @ \$5.90	\$ 70.80
MSotir E1 for 12 months @ \$5.90	\$ 70.80
JOleary E3 for 12 months @ \$16.86	\$ 202.32
back up services for each (3) email at \$5/mo/address	\$ 180.00
Gate House Media invoice for Dredge RFP - see attached	\$ 116.85
County Services through June 30, 2021 - see attached	\$ 2,279.68
TOTAL DUE:	\$ 4,491.25
by diary reconciliation a total of 110.5 County hours for FY 21	
Approved for transfer from CPCWDC Account: by email approval	
Jack O'Leary, Chair - see attached approval	
Laura Biechler - see attached approval	

Total \$ 2,279.68

5/31/2022	\$	31.38	minute preparation for 5/31 - 1 hour @ \$31.38
5/31/2022	\$	31.38	Zoom meeting and f/u Frank - 1 hrs @ \$31.38
5/24/2022	\$	25.00	Dredge RFP due
4/27/2022	\$	50.00	Website update
4/26/2022	\$	31.38	minute preparation for 4/26 - 1 hour @ \$31.38
4/26/2022	\$	62.76	Kingston CPCWDC/Watershed meeting and f/u Frank - 2 hrs @ \$31.38
4/25/2022	\$	400.00	8 hrs @\$50 for procurement draft for dredge
3/29/2022	\$	31.38	minute preparation for 1/25 - 1 hour @ \$31.38
3/29/2022	\$	62.76	Zoom meeting and f/u Frank - 2 hrs @ \$31.38
3/24/2022	\$	50.00	hydro dredge RFP preparation 1 hour @ \$50
2/24/2022	\$	31.38	Nancy set up date hold for water shed association meeting - 1 hour @ \$31.38
2/22/2022	\$	31.38	minute preparation for 2/22 - 1 hour @ \$31.38
2/22/2022	\$	62.76	Zoom meeting and f/u Frank - 2 hrs @ \$31.38
1/25/2022	\$	100.00	hydro dredge RFP preparation 2 hour @ \$50
1/25/2022	\$	31.38	minute preparation for 1/25 - 1 hour @ \$31.38
1/25/2022	\$	62.76	Zoom meeting and f/u Frank - 2 hrs @ \$31.38
12/28/2021	\$	31.38	minute preparation for 12/28 - 1 hour @ \$31.38
12/28/2021	\$	62.76	Zoom meeting and f/u Frank - 2 hrs @ \$31.38
11/30/2021	\$	31.38	minute preparation for 11/30 - 1 hour @ \$31.38
11/30/2021	\$	62.76	Zoom meeting and f/u Frank - 2 hrs @ \$31.38
10/26/2021			mtg posted but cancelled due to quorum
9/30/2021	\$	50.00	update of Weebly website
9/28/2021	\$	31.38	minute preparation for 9/28 - 1 hour @ \$31.38
9/28/2021	\$	62.76	Zoom meeting Nancy O - 2 hrs @ \$31.38
9/15/2021	\$	50.00	Weebly services and domain registration
9/1/2021	\$	31.38	minute creation and editing 1 hr @ \$31.38
9/1/2021	\$	62.76	Emergency IDA meeting for diversion set up and meeting 2 hrs @ \$31.38
8/24/2021	\$	31.38	minute preparation for 7/27 - 1 hour @ \$31.38
8/24/2021	\$	62.76	Zoom meeting FB - 2 hrs @ \$31.38
8/9/2021	\$	62.76	PIP Public Listening Mtg @ \$31.38
8/2/2021	\$	100.00	Press release @\$50
7/28/2021	\$	50.00	web maintenance - 1 hr @ \$50
7/27/2021	\$	75.00	meeting follow up with ESS contract, posting, notes 1.5 hr @ \$50
7/27/2021	\$	31.38	minute preparation for 7/27 - 1 hour @ \$31.38
7/27/2021	\$	62.76	Zoom meeting FB - 2 hrs @ \$31.38
7/27/2021	\$	31.38	one hour pamphlet drop off at town halls
7/13/2021	\$	50.00	RFP contract finalization FGB 1 hrs @ \$50
7/8/2021	\$	50.00	RFP contract finalization FGB 1 hrs @ \$50
7/1/2021	\$	100.00	RFP contract discussions FGB 2 hrs @ \$50
			rate increase for Nancy to \$31.38



350 Myles Standish Blvd, Ste 202
Taunton, MA 02780-7387
Phone: 508.478.2222
Fax: 508.478.0820

Bill To:

PLYMOUTH COUNTY TREASURER
ATTN: JEFFREY WELCH
44 OBERY STREET
PLYMOUTH MA 02360

Invoice	SC00016393
Date	6/1/2022
Page	1

Please Remit Payments To:

RetroFit Technologies
350 Myles Standish Blvd, Ste 202
Taunton, MA 02780-7387
Attn:Accounts Receivable

Ship To:

PLYMOUTH COUNTY TREASURER
11 SOUTH RUSSELL STREET
PLYMOUTH MA 02360

ATTN: FRANK BASLER

Purchase Order No.		Customer	Salesperson	Ship Method	Payment Terms	Project Code	
		PLY4062	AM		NET30		
Ordered	Shipped	B/O	Item Number	Description	Unit Price	Ext. Price	
0	0	0	CONTRACT #	11595	\$0.00	\$0.00	
0	0	0	COVERAGE PERIOD	FOR THE MONTH OF JUNE 2022	\$0.00	\$0.00	
1.00	1.00	0.00	MICROSOFT OFFICE 3	Office 365 Enterprise E3 Government	\$219.18	\$219.18	
0	0	0		13 users @ \$16.86 each	\$0.00	\$0.00	
1.00	1.00	0.00	MICROSOFT OFFICE 3	Office 365 E1 Government licenses	\$59.00	\$59.00	
0	0	0		10 users @ \$5.90 each	\$0.00	\$0.00	
1.00	1.00	0.00	MICROSOFT OFFICE 3	Qty 20 Office 365 Business Backups	\$100.00	\$100.00	

APPROVED FOR PAYMENT

[Signature] 6/7/22
PLYMOUTH COUNTY TREASURER
01.05.0.277 - \$71.48

01-030239 - \$306.70

APPROVED FOR PAYMENT


[Signature] 6/2/22
PLYMOUTH COUNTY ADMINISTRATOR

1 E3 for Jack
3 E1 for Jane, Mark, + web site
3 Back up for comms

Subtotal	\$378.18
Misc	\$0.00
Tax	\$0.00
Freight	\$0.00
Total	\$378.18

LOCALiQ

NEW ENGLAND

ACCOUNT NAME Plymouth County Commissioners		ACCOUNT # 673319	PAGE # 1 of 1
INVOICE # 0004631762	BILLING PERIOD May 1- May 31, 2022	PAYMENT DUE DATE June 20, 2022	
PREPAY (Memo Info) \$0.00	UNAPPLIED (included in amt due) -\$461.14	TOTAL AMOUNT DUE \$366.65	
BILLING ACCOUNT NAME AND ADDRESS Plymouth County Commissioners 44 Obery St. Plymouth, MA 02360-2130 		BILLING INQUIRIES/ADDRESS CHANGES 1-877-736-7612 or smb@ccc.gannett.com	FEDERAL ID 84-1711503
Legal Entity: Gatehouse Media Massachusetts I, Inc. Terms and Conditions: Past due accounts are subject to interest at the rate of 18% per annum or the maximum legal rate (whichever is less). Advertiser claims for a credit related to rates incorrectly invoiced or paid must be submitted in writing to Publisher within 30 days of the invoice date or the claim will be waived. Any credit towards future advertising must be used within 30 days of issuance or the credit will be forfeited. All funds payable in US dollars.			

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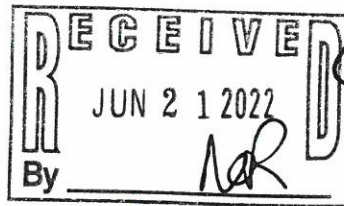
To sign-up for E-mailed invoices and online payments please contact abgspecial@gannett.com. Previous account number: GHN_EN01618046

Date	Description	Amount
5/1/22	Balance Forward	\$249.80

Package Advertising:

Start-End Date	Order Number	Description	PO Number	Package Cost
5/4/22	7227415	Central Plymouth County Water District Commission		\$116.85

01-030291



APPROVED FOR PAYMENT
6/22/22
PLYMOUTH COUNTY ADMINISTRATOR

PLEASE DETACH AND RETURN THIS PORTION WITH YOUR PAYMENT

LOCALiQ

NEW ENGLAND

ACCOUNT NAME Plymouth County Commissioners		PAYMENT DUE DATE June 20, 2022		AMOUNT PAID		
ACCOUNT NUMBER 673319		INVOICE NUMBER 0004631762				
CURRENT DUE \$116.85	30 DAYS PAST DUE \$710.94	60 DAYS PAST DUE \$0.00	90 DAYS PAST DUE \$0.00	120+ DAYS PAST DUE \$0.00	UNAPPLIED PAYMENTS -\$461.14	TOTAL AMOUNT DUE \$366.65

REMITTANCE ADDRESS (Include Account# & Invoice# on check)

Gatehouse Media Massachusetts I, Inc.
PO Box 631210
Cincinnati, OH 45263-1210

TO PAY WITH CREDIT CARD PLEASE FILL OUT BELOW:

☐ VISA ☐ MASTERCARD ☐ DISCOVER ☐ AMEX

Card Number _____

Exp Date ____/____/____ CVV Code _____

Signature _____ Date _____



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

October 24, 2022
Project No: 016120.0000.0000
Invoice No: 557447
Project Manager: Matthew Ladewig

Project 016120.0000.0000 SILVER LAKE WATER QUALITY MONITORING PROGRAM

Professional Services through October 14, 2022

Phase 000005 WATER COLUMN & WATER QUALITY SAMPLING

TRC Personnel

	Hours	Rate	Amount	
Bertherman, Joseph	5.00	95.00	475.00	
Martin, Stephanie	4.00	95.00	380.00	
Mottola, Sophia	2.25	95.00	213.75	
Ochs, Addison	5.25	95.00	498.75	
Communication Fee			62.70	
Total	16.50		1,630.20	1,630.20

Subcontractors

Reimb/Sub-Lab Costs			
9/14/2022	Phoenix Environmental Laboratories Inc	Silver Lake	693.41
9/23/2022	Alpha Analytical Inc (MA)	Laboratory Costs - Alpha	665.44

Total Subcontractors 1.1 times 1,358.85 1,494.74

Field Expenses

Reimb/Non-Sub-Field/Proj Supplies			
9/6/2022	PHILLIPS MICHAEL T	FIELD/PROJECT SUPPLIES- THE HOME DEPOT #2	89.60
Reimb/Non-Sub-Auto Rental & Expenses			
8/1/2022	OCHS ADDISON T	CAR RENTAL-ENTERPRISE R-A-C 481T	40.20

Project	016120.0000.0000	SILVER LAKE WATER QUALITY MONITORING PRO	Invoice	557447
9/28/2022	OCHS ADDISON T	CAR RENTAL-ENTERPRISE R-A-C 481T	56.77	
Total Field Expenses		1.1 times	186.57	205.23
Field Equipment & Vehicles				
Company Vehicle - Mileage				
9/8/2022		89.0 Miles @ 0.56	49.84	
Total Units		1.0 times	49.84	49.84
Total this Phase				\$3,380.01

Phase	000006	UPSTREAM AND DOWNSTREAM MONITORING		
TRC Personnel				
		Hours	Rate	Amount
Bertherman, Joseph		6.00	95.00	570.00
Ochs, Addison		5.25	95.00	498.75
Communication Fee				42.75
Total		11.25		1,111.50
Subcontractors				
Reimb/Sub-Lab Costs				
9/14/2022	Phoenix Environmental Laboratories Inc	Silver lake	456.24	
Total Subcontractors		1.1 times	456.24	501.86
Field Expenses				
Reimb/Non-Sub-Auto Rental & Expenses				
9/1/2022	OCHS ADDISON T	CAR RENTAL-ENTERPRISE R-A-C 481T	40.20	
9/28/2022	OCHS ADDISON T	CAR RENTAL-ENTERPRISE R-A-C 481T	56.77	
Total Field Expenses		1.1 times	96.97	106.67
Total this Phase				\$1,720.03

Phase	000008	TECHNICAL MEMORANDUM		
TRC Personnel				
		Hours	Rate	Amount
Martin, Stephanie		2.75	140.00	385.00
Communication Fee				15.40
Total		2.75		400.40
Total this Phase				\$400.40
Total this Invoice				\$5,500.44



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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

September 19, 2022
Project No: 016120.0000.0000
Invoice No: 552195
Project Manager: Matthew Ladewig

Project 016120.0000.0000 SILVER LAKE WATER QUALITY MONITORING PROGRAM

Professional Services through September 9, 2022

Phase 000005 WATER COLUMN & WATER QUALITY SAMPLING

TRC Personnel

	Hours	Rate	Amount	
Bertherman, Joseph	5.75	95.00	546.25	
Martin, Stephanie	6.50	95.00	617.50	
Mottola, Sophia	1.50	95.00	142.50	
Phillips, Michael	6.50	95.00	617.50	
Proko, Morgan	10.00	95.00	950.00	
Communication Fee			114.95	
Total	30.25		2,988.70	2,988.70

Subcontractors

Reimb/Sub-Other Subcontractor Costs				
8/18/2022 Aquatic Analysts Inc.	Algae analyses		1,388.80	
Total Subcontractors		1.1 times	1,388.80	1,527.68

Field Expenses

Reimb/Non-Sub-Mileage				
8/24/2022 PROKO MORGAN E	MILEAGE-FIELD VISIT		94.38	
Reimb/Non-Sub-Postage/Shipping/Delivery				
8/19/2022 Fedex	777579667508		103.88	
Total Field Expenses		1.1 times	198.26	218.09

Total this Phase \$4,734.47

Phase 000006 UPSTREAM AND DOWNSTREAM MONITORING

TRC Personnel

	Hours	Rate	Amount	
Bertherman, Joseph	13.25	95.00	1,258.75	
Ladewig, Matthew	1.50	95.00	142.50	
Martin, Stephanie	7.00	95.00	665.00	
Communication Fee			82.65	
Total	21.75		2,148.90	2,148.90

Total this Phase \$2,148.90

Phase 000009 Internal Phosphorous Load Analysis and Water Quality Modeling

Project	016120.0000.0000	SILVER LAKE WATER QUALITY MONITORING PRO	Invoice	552195
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Subcontractors

Reimb/Sub-Subcontractor Costs

8/19/2022	BEC Engineering and Geology	Silver Lake Sediment Analysis and Lake Modeling	6,000.00	
Total Subcontractors			1.1 times	6,000.00
			Total this Phase	\$6,600.00
			Total this Invoice	\$13,483.37



INVOICE

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

August 24, 2022
Project No: 016120.0000.0000
Invoice No: 547637
Project Manager: Matthew Ladewig

Project 016120.0000.0000 SILVER LAKE WATER QUALITY MONITORING PROGRAM

Professional Services through August 12, 2022

Phase 000001 ADMINISTRATION AND REPORTING

TRC Personnel

	Hours	Rate	Amount	
Ladewig, Matthew	.75	215.00	161.25	
Communication Fee			6.45	
Total	.75		167.70	167.70
Total this Phase				\$167.70

Phase 000005 WATER COLUMN & WATER QUALITY SAMPLING

TRC Personnel

	Hours	Rate	Amount	
Bertherman, Joseph	6.25	95.00	593.75	
Martin, Stephanie	6.25	95.00	593.75	
Mottola, Sophia	5.00	95.00	475.00	
Ochs, Addison	13.50	95.00	1,282.50	
Communication Fee			117.80	
Total	31.00		3,062.80	3,062.80

Subcontractors

Reimb/Sub-Lab Costs				
7/15/2022	Phoenix Environmental Laboratories Inc	Silver Lake	260.03	
7/29/2022	Alpha Analytical Inc (MA)	Chlorophyll A - SM 10200H	318.00	
7/29/2022	Alpha Analytical Inc (MA)	E. Coli by Quanti Tray -SM 9223B	195.00	
7/29/2022	Alpha Analytical Inc (MA)	Chlorophyll A - SM 10200H	106.00	
7/29/2022	Alpha Analytical Inc (MA)	E. Coli by Quanti Tray -SM 9223B	65.00	
8/4/2022	Phoenix Environmental Laboratories Inc	silver lake	433.38	
Total Subcontractors			1.1 times	1,377.41
				1,515.15

Field Equipment & Vehicles

Company Vehicle - Mileage				
7/14/2022	67.0 Miles @ 0.56	37.52		
Total Units	1.0 times	37.52		37.52

Project	016120.0000.0000	SILVER LAKE WATER QUALITY MONITORING PRO		Invoice	547637
Total this Phase				\$4,615.47	

Phase	000006	UPSTREAM AND DOWNSTREAM MONITORING			
TRC Personnel					
		Hours	Rate	Amount	
Bertherman, Joseph		6.50	95.00	617.50	
Ladewig, Matthew		.75	95.00	71.25	
Martin, Stephanie		7.25	95.00	688.75	
Mottola, Sophia		3.00	95.00	285.00	
Communication Fee				66.50	
Total		17.50		1,729.00	1,729.00
Subcontractors					
Reimb/Sub-Lab Costs					
7/15/2022	Phoenix Environmental Laboratories Inc	Silver Lake		456.24	
8/4/2022	Phoenix Environmental Laboratories Inc	silver lake		532.28	
Total Subcontractors			1.1 times	988.52	1,087.37
Field Equipment & Vehicles					
Company Vehicle - Mileage					
7/14/2022		67.0 Miles @ 0.56		37.52	
Total Units			1.0 times	37.52	37.52
Total this Phase				\$2,853.89	
Total this Invoice				\$7,637.06	