

# June 2023 SWRCB Report

July 6, 2023

## TIMBER COVE COUNTY WATER DISTRICT

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System ID: 4900584  
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## STATE WATER RESOURCES CONTROL BOARD

Amy Santos, EIT  
Water Resource Control Engineer  
Division of Drinking Water  
50 D Street, Suite 200

TCCWD Production vs Losses	Gallons	% of Total	Notes	Average GPD
<b>Plant Production:</b>	<b>357,350</b>	<b>100%</b>	<b>Production Meter</b>	<b>11,912</b>
<b>Homeowners:</b>	<b>212,274</b>	<b>59%</b>	<b>% of Production</b>	<b>7,076</b>
<b>Timber Cove Inn:</b>	<b>85,677</b>	<b>24%</b>	<b>% of Production</b>	<b>2,856</b>
<b>Non-Billable Operational usage:</b>	<b>28,700</b>	<b>8%</b>	<b>% of Production</b>	<b>957</b>
TCCWD meter	19,000	66%	% of operational usage	
Backwashing Filters	9,700	34%	% of operational usage	
<b>Non-Billable Distribution Usage:</b>	<b>13,997</b>	<b>4%</b>	<b>% of Production</b>	
Water Used from Hydrants (Flushing)	9,500	68%	% of secondary usage	
Water hidden within tanks	2,497	18%	% of secondary usage	
TCFPD- Fire department	2000	14%	% of secondary usage	
<b>Primary: unaccountable, non-billable loss</b>	<b>16,702</b>	<b>5%</b>	<b>% of production</b>	
<b>Operational usage- Returned to Reservoir:</b>	<b>58,793</b>	<b>205%</b>	<b>% of Operational usage</b>	<b>Includes Raw</b>

## PRODUCTION

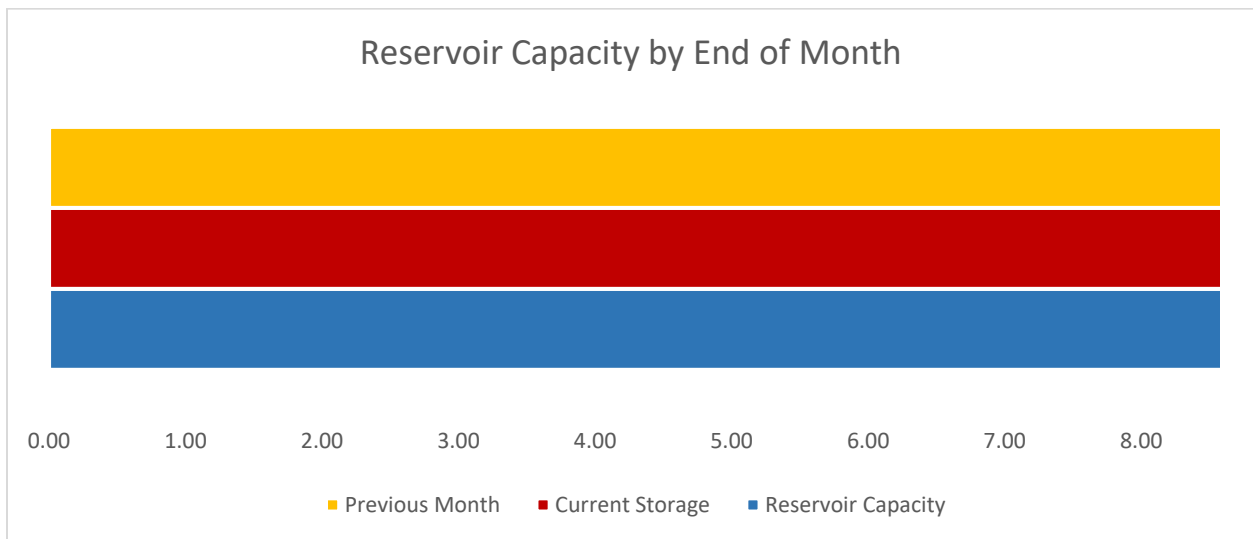
This month we produced a total of 357,350 gallons of finished water according to our meters, averaging around 11,912 gallons per day. 83% of that water made it to customers at around 297,951 gallons, averaging 9,932 gallons per day.

This month we used 6.78 gallons of 12.5% Sodium Hypochlorite and 31.74 pounds of Aluminum Sulfate, which resulted in an average dosing of 7.5 mg/L and 12 mg/L respectively.

The Timber Cove Inn used 85,677 gallons which accounted for 24% of total production or 2,856 gallons per day on average. The Timber Cove Inn’s meter was read on the 3<sup>rd</sup> of July.

### TIMBER COVE CREEK DIVERSION (PUMPING)

We pumped a total of 602,078 gallons from the weir to treatment leaving the reservoir water depth at 25’ by the end of the month, leaving us with storage of approximately 9.4 MG of raw water. Overflow is hit at 25 ft according to our readings, or 9.4 million gallons.



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### BACKWASHING

Backwashing of both filter trains resulted in 9,700 gallons used.

### RETURN TO RESERVOIR

The total amount of water returned to the reservoir was 58,793 gallons. This accounts for 205% of our operational usage which is partially raw water.

### LOSSES

Our total final losses are 16,702 gallons, about 5% of Production.

### SAMPLING

Routine BacT samples from 002 Res and 004 Distribution System Hydrant 4-4 on 06/26/2023.

## ALARM TESTING

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Tested all alarms on 6/26/2023

## MAINTENANCE

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### CL10 ANALYZER PH AND CHLORINE

CL10 calibrated 06/26/2023

### RESERVOIR AERATION

We have officially gotten approval to use our old Aerator if when it needs replacement, we replace it with an NSF certified one. Device was installed 5/28/19.

### NTU METERS

Meters were calibrated on 06/26/2023. The CFE TU5300 was calibrated 06/26/2023

### SYSTEM FLUSHING

System flushing was carried out in June, and a total of 9,500 gallons were flushed from the distribution system.

### RAW WATER INTAKE

The raw water intake screen was replaced 9/17/21.

## OPERATIONAL DIFFICULTIES

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-A Power Outage occurred at 5am on June 30<sup>th</sup>. The Plant was turned off at the time. Power was restored around 7am same day. We lost 2 hours of data during this time.