

CITY OF WEST KELOWNA

Monthly Water Quality Report



Powers Creek Water Service Area

April 2025

WATER SUPPLY AND TREATMENT





Powers Creek Water Treatment Plant

Water Quality Summary

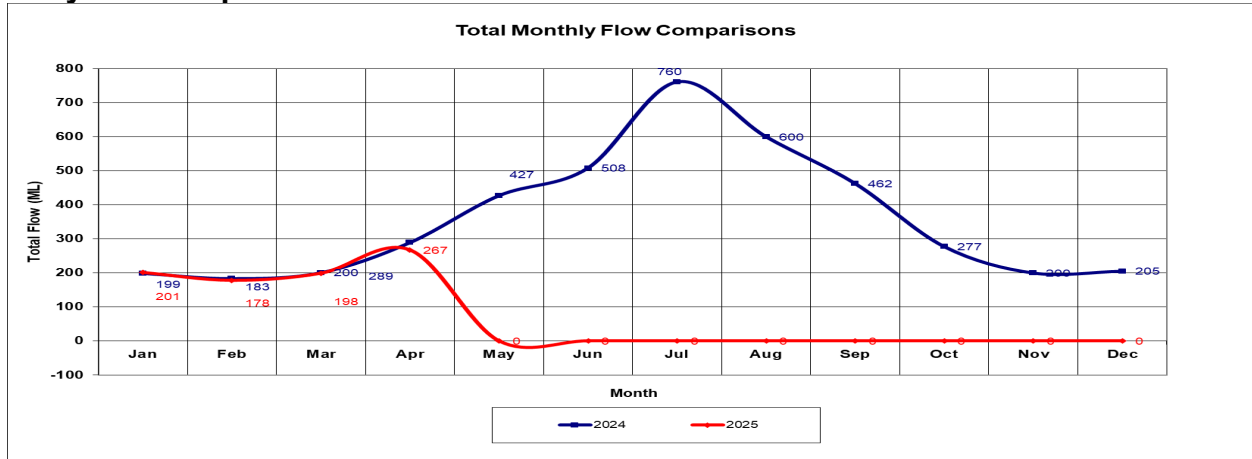
April 2025

Flow Demand

Total Flow
 High Day, April 27th, 2025
 Low Day, April 2nd, 2025

259,138 M³
 12,485 M³
 6,541 M³

Daily Consumption



Date	Raw Water	Filtered Water	Treated & Disinfected Water				
	Intake Total	Backwash Flow	Flow to	City Flow	Glenrosa Flow	Smith Creek	
April 1, 2025	7.3279	0.3932	7.5876	5.0826	1.5513	1.2154	0.0000
April 2, 2025	7.8836	0.4061	8.1225	4.9591	1.5816	1.1052	0.0000
April 3, 2025	8.2644	0.4061	7.2825	5.2871	1.6429	1.2908	0.0000
April 4, 2025	7.4968	0.3805	7.0663	5.0963	1.5161	1.1243	0.0000
April 5, 2025	7.2287	0.3805	7.5126	5.2558	1.7625	1.2155	0.0000
April 6, 2025	7.6962	0.3793	8.0800	5.6344	1.8114	1.4450	0.0000
April 7, 2025	8.2200	0.3790	7.1398	5.5806	1.5212	1.3263	0.0000
April 8, 2025	8.8090	1.2960	7.4159	5.1013	1.5218	1.2264	0.0000
April 9, 2025	10.3704	1.6169	9.2042	5.4349	1.5218	1.4467	0.0000
April 10, 2025	9.3158	0.3902	8.2242	6.0523	1.9382	1.5272	0.0000
April 11, 2025	8.4176	0.3672	8.4999	5.7784	1.7317	1.3084	0.0000
April 12, 2025	9.0062	0.5592	8.3629	5.7013	1.7317	1.1402	0.0000
April 13, 2025	8.1320	0.1920	8.2771	5.9277	1.8505	1.3787	0.0000
April 14, 2025	8.0725	0.2010	9.0970	6.2022	1.7562	1.3787	0.0000
April 15, 2025	8.9517	0.2010	0.0064	3.3516	1.9759	0.0210	0.3964
April 16, 2025	5.1680	0.2162	0.0076	6.5933	1.9387	1.2527	0.3964
April 17, 2025	10.1251	0.2139	0.0075	6.6753	1.8971	0.9610	0.6782
April 18, 2025	9.4187	0.4268	0.0075	7.1378	2.1585	1.5754	0.0000
April 19, 2025	10.4561	0.2450	0.0083	7.7367	1.7881	1.4183	0.0000
April 20, 2025	12.5169	0.8890	0.0087	8.3297	1.9672	1.6518	0.0000
April 21, 2025	10.7274	0.4034	0.0084	7.9761	1.9271	1.5195	0.0000
April 22, 2025	10.5795	0.4034	0.0059	7.3437	1.9099	1.4469	0.0000
April 23, 2025	10.2732	0.4237	0.0093	7.2932	1.9927	1.4323	0.0000
April 24, 2025	10.0420	0.8675	0.0091	8.0602	2.0350	2.0695	0.0000
April 25, 2025	12.9015	0.5859	0.0098	8.4510	2.1162	1.7635	0.0000
April 26, 2025	12.6060	0.4391	0.0107	9.0494	2.3797	1.7192	0.0000
April 27, 2025	12.3022	0.4278	0.0113	10.0636	2.4211	2.1276	0.0000
April 28, 2025	14.1236	0.9253	0.0080	9.8210	2.0754	2.0990	0.0000
April 29, 2025	5.1680	0.5625	0.0079	9.1139	2.0011	1.7485	0.0000
April 30, 2025	11.3438	0.4276	0.0080	8.9521	2.0730	1.6538	0.0000
Daily Average (ML):	9.4315	0.5002	3.7336	6.7681	1.8699	1.4196	0.0491
Monthly Totals (ML):	282.9450	15.0052	112.0069	203.0427	56.0956	44.0608	
Backwash Water (% of Total):		5.30%					



Powers Creek Water Treatment Plant

Water Quality Summary

April 2025

Chlorine

Chlorine used: **460.71 kg.**

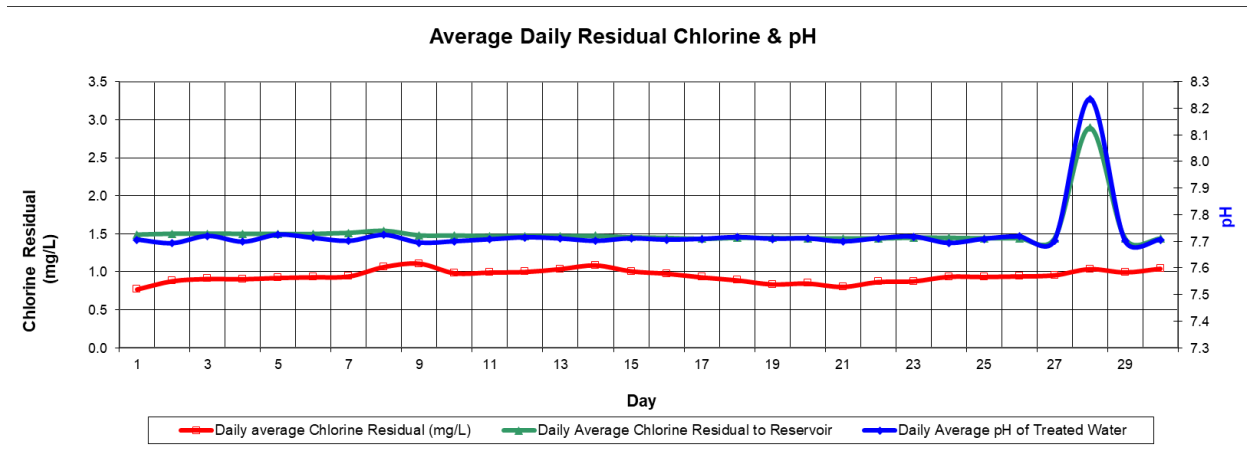
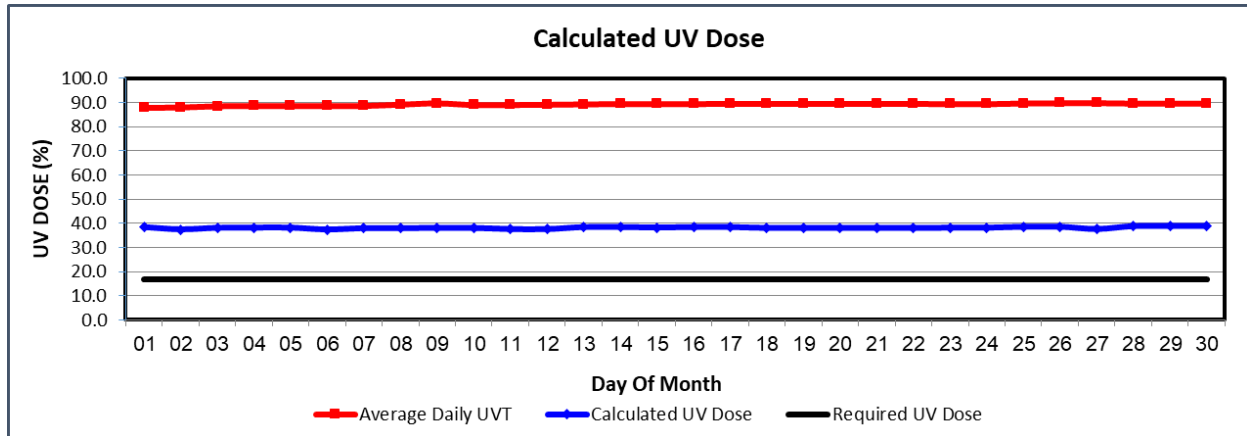
Average **15.36 kg/day**

Free Chlorine Residual Range Leaving Reservoir

Maximum: **1.47 ppm**

Minimum: **0.02 ppm**

Average: **0.95 ppm**



pH

High: **8.24**

Low: **7.69**

Average: **7.73**

Raw Water Turbidity

High: **+20.00 NTU**

Low: **0.27 NTU**

Average: **6.40 NTU**



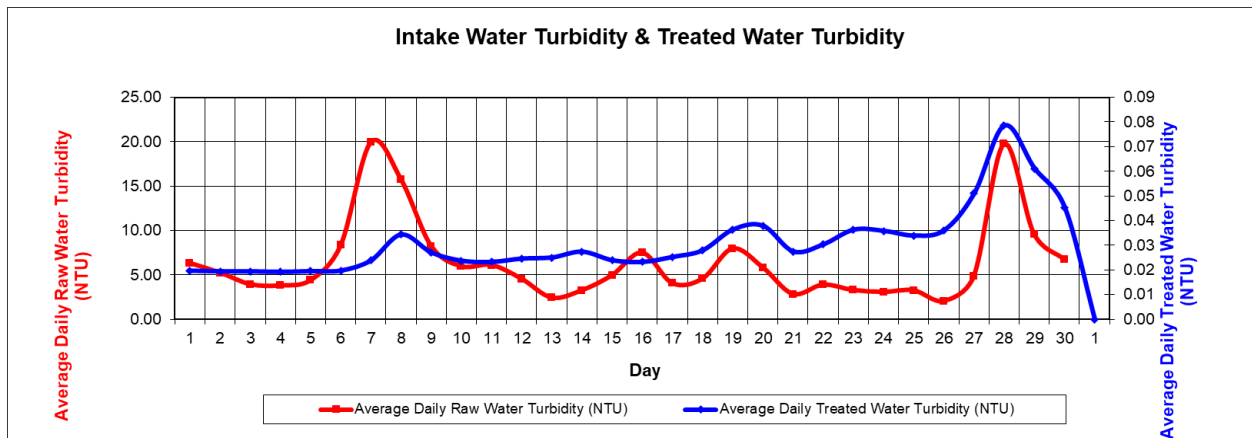
Powers Creek Water Treatment Plant

Water Quality Summary

April 2025

Water Parameters

Date	Daily Raw Water Turbidity (NTU)			Daily Treated Water Turbidity (NTU)			Cl2 Residual Into Reservoir (ppm)			Cl2 Residual Out of Reservoir (ppm)			pH
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Avg
April 1, 2025	5.24	12.32	6.31	0.02	0.02	0.02	0.41	3.63	1.49	0.71	1.02	0.77	7.71
April 2, 2025	4.17	8.54	5.23	0.02	0.02	0.02	0.58	3.45	1.50	0.75	1.09	0.88	7.69
April 3, 2025	3.28	7.10	3.92	0.02	0.02	0.02	0.32	3.88	1.50	0.85	1.22	0.91	7.72
April 4, 2025	3.10	6.69	3.78	0.02	0.02	0.02	0.52	3.87	1.50	0.84	1.25	0.91	7.70
April 5, 2025	3.24	8.31	4.38	0.02	0.02	0.02	0.49	4.03	1.50	0.86	1.15	0.92	7.72
April 6, 2025	4.08	20.00	8.35	0.02	0.02	0.02	0.39	2.77	1.50	0.87	1.12	0.93	7.71
April 7, 2025	3.17	20.00	19.97	0.02	0.03	0.02	0.11	5.12	1.51	0.86	1.21	0.94	7.70
April 8, 2025	3.36	20.00	15.74	0.03	0.04	0.03	0.39	4.91	1.54	0.96	1.44	1.06	7.72
April 9, 2025	5.60	20.00	8.23	0.02	0.03	0.03	0.59	4.67	1.48	1.00	1.42	1.11	7.69
April 10, 2025	4.32	10.14	5.95	0.02	0.04	0.02	0.66	3.03	1.48	0.94	1.27	0.98	7.70
April 11, 2025	0.27	19.28	6.09	0.02	0.02	0.02	0.58	4.34	1.47	0.95	1.32	0.99	7.71
April 12, 2025	2.93	10.12	4.53	0.02	0.03	0.02	0.30	5.12	1.47	0.94	1.17	1.00	7.71
April 13, 2025	2.21	2.96	2.41	0.02	0.03	0.03	0.33	2.85	1.47	0.98	1.22	1.04	7.71
April 14, 2025	2.07	6.27	3.24	0.02	0.04	0.03	0.58	2.40	1.47	1.03	1.47	1.09	7.70
April 15, 2025	2.90	11.29	4.95	0.02	0.02	0.02	0.04	4.92	1.45	0.94	1.23	1.01	7.71
April 16, 2025	4.04	20.00	7.49	0.02	0.02	0.02	0.56	3.95	1.45	0.94	1.15	0.98	7.71
April 17, 2025	3.13	11.43	4.04	0.02	0.03	0.03	0.49	3.10	1.43	0.86	1.25	0.93	7.71
April 18, 2025	2.58	11.71	4.56	0.02	0.04	0.03	0.68	3.37	1.45	0.85	1.07	0.89	7.72
April 19, 2025	3.23	17.64	7.95	0.03	0.07	0.04	0.57	4.48	1.44	0.77	0.94	0.84	7.71
April 20, 2025	2.07	13.05	5.83	0.03	0.05	0.04	0.52	3.14	1.44	0.79	1.00	0.85	7.71
April 21, 2025	2.45	3.20	2.82	0.03	0.03	0.03	0.27	3.12	1.44	0.74	0.93	0.81	7.70
April 22, 2025	2.59	7.45	3.87	0.03	0.04	0.03	0.69	3.73	1.44	0.78	0.97	0.87	7.71
April 23, 2025	2.56	6.69	3.27	0.03	0.04	0.04	0.20	2.89	1.45	0.80	1.01	0.88	7.72
April 24, 2025	2.07	7.23	3.06	0.03	0.04	0.04	0.44	4.07	1.45	0.88	1.02	0.94	7.69
April 25, 2025	1.52	6.28	3.23	0.03	0.04	0.03	0.60	5.06	1.44	0.90	0.98	0.93	7.71
April 26, 2025	1.80	2.51	2.03	0.03	0.05	0.04	0.53	3.15	1.44	0.89	0.98	0.94	7.72
April 27, 2025	1.54	20.00	4.83	0.04	0.06	0.05	0.50	4.01	1.44	0.93	0.99	0.96	7.70
April 28, 2025	6.31	19.74	19.74	0.06	0.08	0.08	0.44	2.89	2.89	0.97	1.04	1.04	8.24
April 29, 2025	6.31	19.74	9.61	0.06	0.08	0.06	0.44	2.89	1.44	0.97	1.04	0.99	7.70
April 30, 2025	4.02	13.32	6.73	0.03	0.06	0.05	0.06	3.70	1.44	0.02	1.22	1.04	7.71
Raw Water Average Monthly Turbidity				Treated Water Average Monthly Turbidity			Average Monthly Chlorine Residual into Reservoir			Average Monthly Chlorine Residual out of Reservoir			Avg Month pH
6.40				0.03			1.51			0.95			7.73





Powers Creek Water Treatment Plant

Water Quality Summary

April 2025

Finished Water Turbidity

High: **0.08 NTU**

Low: **0.02 NTU**

Average: **0.03 NTU**

Chemical Usage

Month	Totals	7210A Total (L)	PACI Total (L)	Chlorine (Kg)	7660A (L)	NaOH Total (L)
		317.20	17,656.82	460.71	667.49	10,185.48

Operational Highlights:

Demand for April was 259,138 **M³** compared to April 2024 demand of 286,982 **M³**

- **Regular and routine maintenance around PCWTP**

- HVAC maintenance by contractor – April 1st
- Flashboards removed – April 2nd
- Annual maintenance on Overhead cranes by contractor – April 3rd
- Installed BFA for Hypo project – April 9th
- New Centrifuge tote hook up – April 10th
- AECOM on site for PCWTP condition assessment – April 14th- 16th
- Contractor working on Emergency generator – April 15th
- 1000hr service on all DAFs – April 15th
- Spartan working on programming for auto backwash – April 15th - 16th
- DAF #3 backwash valve repair – April 22nd – 23rd
- Replaced faulty lamp in UV – April 24th
- DAF poly tote hook up – April 25th
- Clean & calibrate pH sensors – April 29th
- Changed out treated water NTU vial – April 29th
- Road work and bridge prep at north end of pond by CWK Capital crew – April 10th – 30th
- Replaced residual DAF sludge pump and re-wired – April 10th-23rd
- Ongoing Hypo conversion work with Maple Reinders – all month

- **Powers Creek Watershed inspections and maintenance**

No Dam inspections done in April due to snow & ice

- Lambly Lake – changed Fuel Cell – April 16th
- Lambly Lake – cleaned out spillway – April 23rd
- Lambly Lake – full and spilling 2” over sill

WATER DISTRIBUTION



Power's Creek Water Service Area – Distribution System Monitoring

APRIL 2025

Water Quality Data Review

- Based on the distribution system sample monitoring data it appears the water quality objectives were met for free chlorine residual, turbidity and bacteriological parameters for the month.
 - Bacteriological Samples:
 - 16 samples to CARO for analysis
 - 8 samples analyzed in-house at RVWTP
 - All bacteriological samples came back at <1 CFU/mL for Total Coliforms and <1 CFU/mL for *E.coli*
- In April the new Drinking Water Monitoring Program was started, throughout the month changes were made to the new program as it was carried out.
- April 1, 2025 – Lateral One Pump Station online FCR analyzer calibration adjustment by 0.59mg/L increase.
- April 4, 2025 – Lateral One Pump Station online FCR analyzer calibration adjustment by 0.29mg/L increase.
- April 6, 2025 – Smith Creek Reservoir experienced a power outage causing temporary online analyzer spikes of which were not reflective of the water quality condition at the time.
- April 7, 2025 – Lateral One Pump Station online FCR sensor electrolyte was replaced, and calibration adjustment by 1.90mg/L decrease.
- April 28, 2025 – Lateral One Pump Station online FCR analyzer calibration adjustment by 0.27mg/L increase.

Sampling Location Table:

Sample Name	Civic Address	Pressure Zone	WQ Sampling Rationale
Lateral One PS	3188 Shetler Dr	630	1 st Customer water quality check.
Glenrosa PS	3149 Coventry Cres	673	Mid system water quality check. Water quality distributed throughout Glenrosa area.
Glenrosa Res	3313 Glenrosa Rd	673	Mid system water quality check on reservoir. Re-chlorination occurring at this location.
Smith Creek PS &Res	2802 Smith Creek Rd	630	Mid system water quality check. Water quality distributed throughout Smith Creek and downtown Westbank area.
Dixie Res	2850 Dixie Rd	630	Mid system water quality check. Re-chlorination occurring at this location.
End-of-Line WQS	4119 Gellatly Rd	449	End system water quality check.
Mclver SS	3036 Mclver Rd	626	Mid system water quality check.
Bulk Water Stn	3020 Shannon Lake Rd	583	End system water quality check. Water quality for bulk water filling and free water available to public.

- **PS** = Pump Station
- **SS**= Sample Station
- **Res** = Reservoir
- **WQS** = Water Quality Station

Operational System Improvements/Events

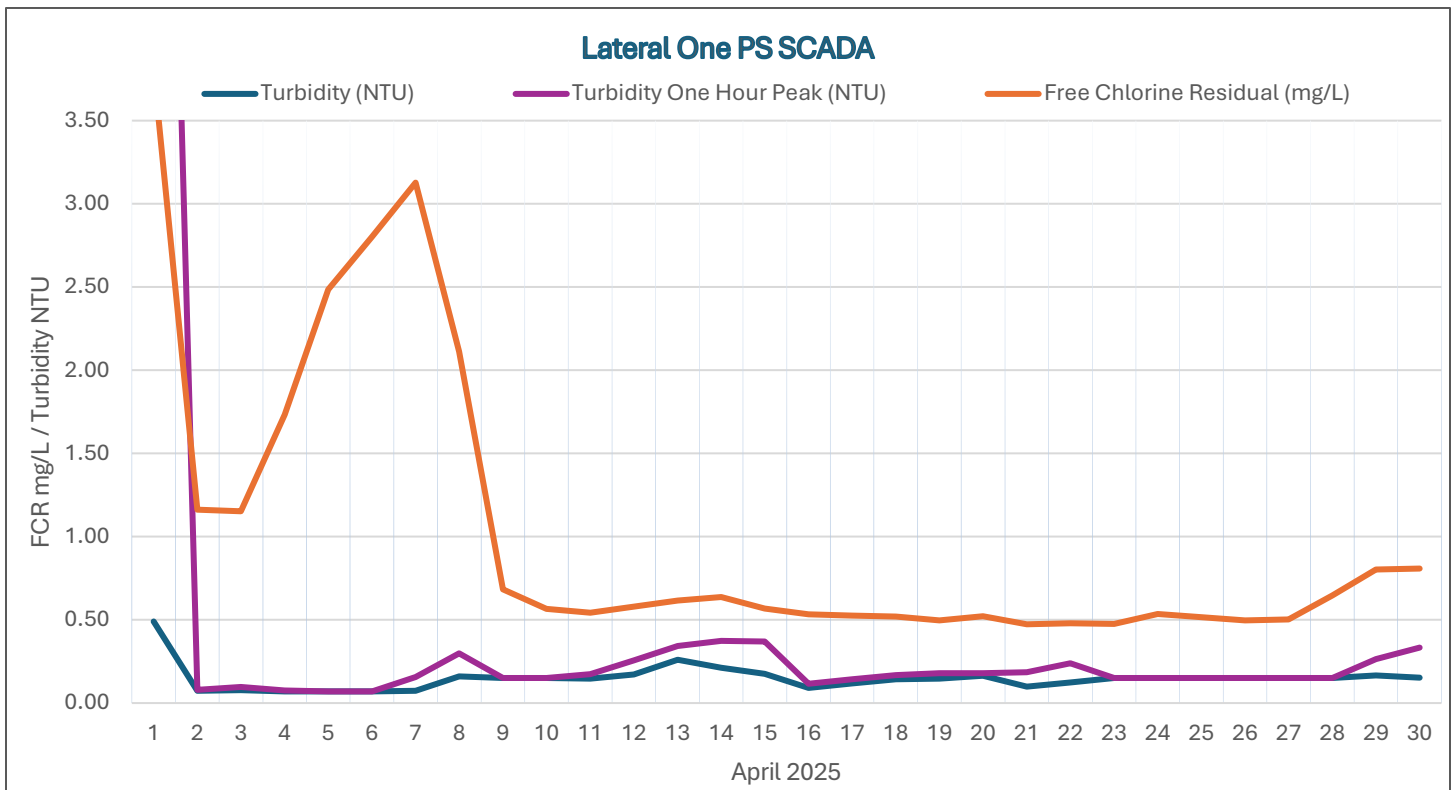
- April 8, 2025 –Glenrosa Reservoir Pump Station the communications card was replaced and reprogrammed after experiencing failure.
- April 8, 2025 – Lateral One PS pH, FCR analyzer was reset and verified.
- April 22, 2025 – 3806 Glenview Rd leak on the service line on the City side was repaired with City operators in conjunction with a City contractor. Only two homes were without water for approximately 1 hour.
- April 29, 2025 – 3426 McGinnis Rd leak on the service line on the City side was repaired with City operators in conjunction with a City contractor. Only two homes were without water for approximately 4 hour.

WQ Field and SCADA Data

Lateral One PS

Lateral One PS & Interconnect Flow SCADA									
Date	L1 Water pH	L1 Turbidity	L1 Turbidity (Peak 1 Hr)	L1 Water Temp	L1 Chlorine Residual			Interconnect RV to WB Flow Total	Interconnect WB to RV Flow Total
	Avg (pH)	Avg (NTU)	Max Based On 1 Hr Avg	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)	(m ³)	(m ³)
April									
1	8.55	0.49	9.55	13.08	0.00	30.00	3.81	0.00	0.00
2	8.33	0.07	0.08	9.63	0.39	1.58	1.16	0.00	0.00
3	8.34	0.08	0.10	9.67	0.29	1.48	1.15	0.00	0.00
4	8.38	0.07	0.08	9.63	0.27	3.05	1.73	0.00	0.00
5	8.31	0.07	0.07	9.35	0.90	3.19	2.49	0.00	0.00
6	8.24	0.07	0.07	9.50	1.76	3.42	2.80	0.00	0.00
7	8.22	0.07	0.16	10.95	0.51	30.00	3.13	0.00	0.00
8	7.92	0.16	0.30	8.93	0.48	30.00	2.11	0.00	0.00
9	7.44	0.15	0.15	6.77	0.45	0.85	0.68	0.00	0.00
10	7.47	0.15	0.15	6.57	0.37	0.71	0.57	0.00	0.00
11	7.53	0.15	0.17	6.59	0.30	0.90	0.54	0.00	0.00
12	7.44	0.17	0.26	6.53	0.36	0.67	0.58	0.00	0.00
13	7.45	0.26	0.34	6.28	0.48	0.70	0.62	0.00	0.00
14	7.45	0.21	0.37	6.08	0.52	0.72	0.64	0.00	0.00
15	7.42	0.18	0.37	6.90	0.38	0.71	0.57	0.00	0.00
16	7.39	0.09	0.12	7.85	0.39	0.77	0.53	0.00	0.00
17	7.44	0.12	0.14	6.43	0.28	0.65	0.52	0.00	0.00
18	7.37	0.14	0.17	6.29	0.41	0.62	0.52	0.00	0.00
19	7.33	0.15	0.18	6.58	0.41	0.57	0.50	0.00	0.00
20	7.44	0.16	0.18	6.78	0.43	0.60	0.52	0.00	0.00
21	7.52	0.10	0.19	6.47	0.39	0.57	0.47	0.00	0.00
22	7.60	0.12	0.24	8.19	0.43	0.54	0.48	0.00	0.00
23	7.59	0.15	0.15	9.39	0.41	0.52	0.48	0.00	0.00
24	7.63	0.15	0.15	9.52	0.45	0.60	0.54	0.00	0.00
25	7.55	0.15	0.15	10.27	0.48	0.56	0.52	0.00	0.00
26	7.43	0.15	0.15	11.17	0.46	0.53	0.50	0.00	0.00
27	7.34	0.15	0.15	11.73	0.46	0.54	0.50	0.00	0.00
28	7.48	0.15	0.15	11.30	0.47	0.89	0.65	0.00	0.00
29	7.65	0.17	0.26	10.83	0.69	0.87	0.80	0.00	0.00
30	7.66	0.15	0.33	9.18	0.68	0.99	0.81	0.00	0.00
Total								0.00	0.00
Average	7.70	0.15		8.61	0.48	3.93	1.03	0.00	0.00

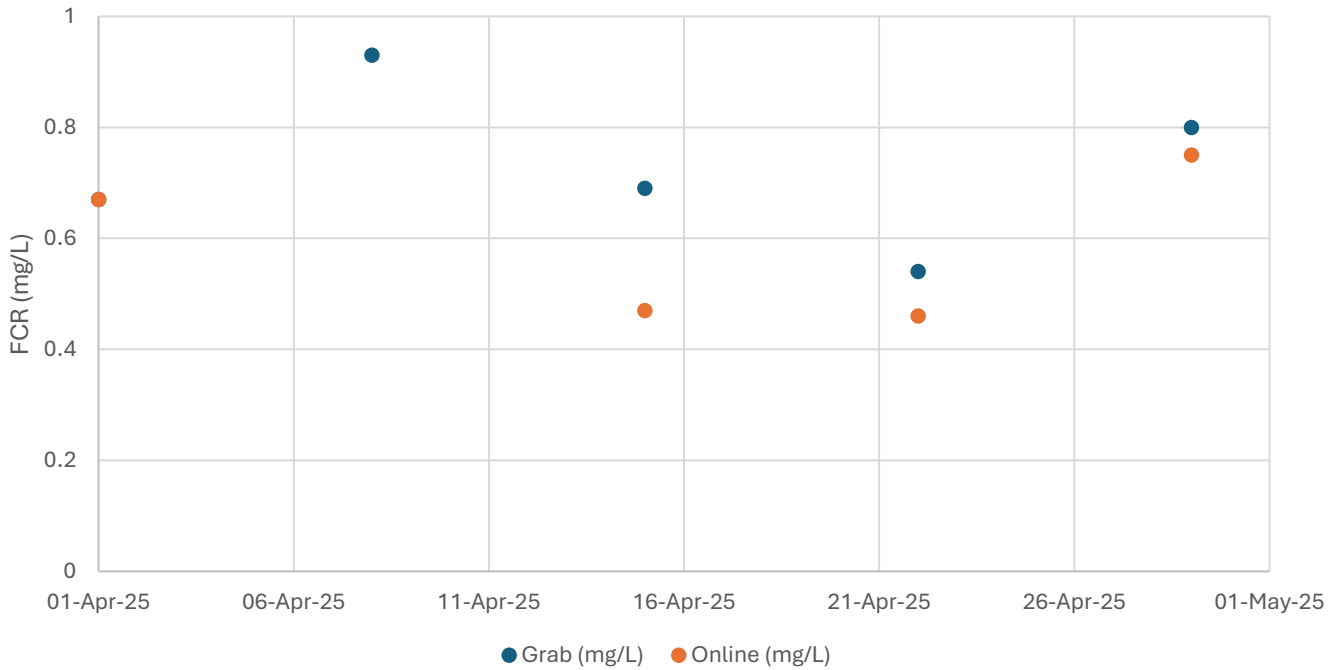
Min	7.33	0.07		6.08	0.00	0.52	0.47	0.00	0.00
Max	8.55	0.49	9.55	13.08	1.76	30.00	3.81	0.00	0.00



Note: April 1st, 7th and 8th the online analyzer had comms loss causing unusual readings due to power outages and analyzer card issues that were addressed by the EI Technician.

Lateral One PS Water Quality						
Date	Turbidity		Water Temp	FCR		pH
	Grab (NTU)	Online (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
01-Apr-25	0.15	0.08	9.3	0.67	0.67	7.89
08-Apr-25	0.19		8.6	0.93		7.79
15-Apr-25	0.12	0.13	11.2	0.69	0.47	7.22
22-Apr-25	0.14	0.13	8.8	0.54	0.46	7.04
29-Apr-25	0.63	0.6	9.7	0.8	0.75	7.33
# of Samples	5	4	5	5	4	5
Average	0.25	0.24	9.52	0.73	0.44	7.45
Range	0.12-0.63	0.08-0.6	8.6-11.2	0.54-0.93	0.08-0.75	7.04-7.89

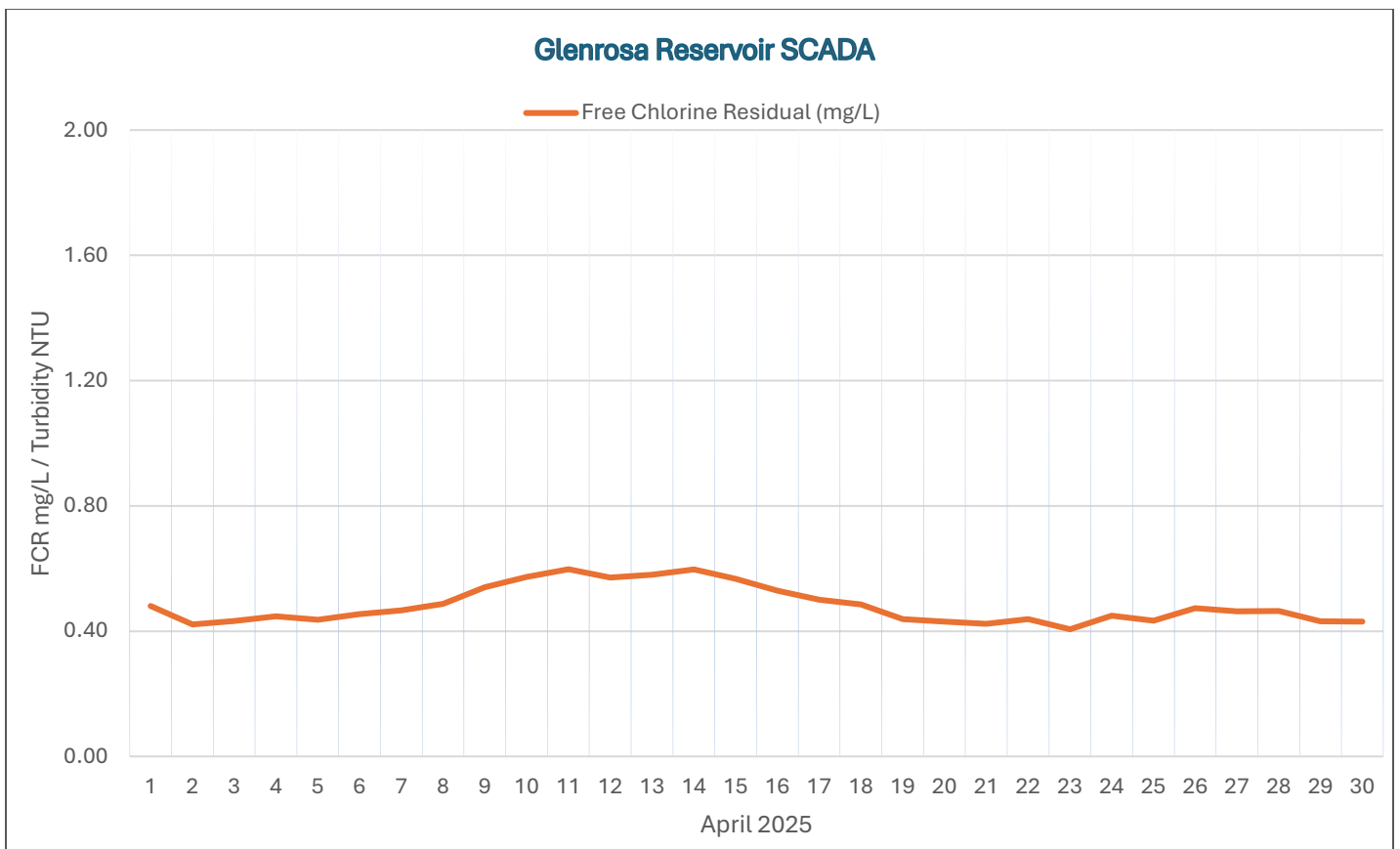
Lateral One PS FCR Verification



Glenrosa PS & Reservoir

Glenrosa PS & Reservoir SCADA							
Date	Flow Total From PS	Peak Flow From PS	Reservoir Water pH	Reservoir Water Temp	Reservoir Chlorine Residual		
	(ML)	Max (ML/Day)	Avg (pH)	Avg (°C)	Min (mg/L)	Max (mg/L)	Avg (mg/L)
April							
1	1.59	5.05	8.11	5.20	0.29	0.89	0.48
2	1.57	4.39	8.09	5.24	0.29	0.95	0.42
3	1.60	4.39	8.12	5.26	0.29	2.53	0.43
4	1.55	5.00	7.86	5.09	0.00	1.04	0.45
5	1.72	4.37	8.12	5.29	0.29	0.96	0.44
6	1.80	4.38	8.12	5.38	0.29	0.92	0.45
7	1.54	4.36	8.17	5.51	0.27	3.20	0.47
8	3.00	8.89	8.09	5.54	0.25	1.21	0.49
9	1.52	4.37	8.08	5.50	0.36	1.22	0.54
10	1.96	4.13	8.14	5.42	0.36	1.34	0.57
11	1.72	4.14	8.15	5.46	0.39	1.15	0.60
12	1.70	4.12	8.14	5.47	0.40	1.21	0.57
13	1.83	4.13	8.13	5.37	0.39	1.22	0.58
14	1.79	4.12	8.11	5.27	0.40	1.31	0.60
15	1.97	8.68	8.09	5.34	0.40	1.02	0.57

16	1.93	5.03	8.08	5.53	0.36	0.93	0.53
17	1.88	4.47	8.08	5.54	0.35	0.97	0.50
18	2.13	4.42	8.04	5.51	0.33	0.84	0.49
19	1.80	4.40	8.03	5.66	0.30	0.81	0.44
20	1.90	4.40	8.02	5.76	0.28	0.81	0.43
21	1.98	4.52	8.02	5.67	0.27	0.79	0.42
22	1.85	4.49	8.03	5.61	0.27	12.78	0.44
23	1.99	4.39	8.01	5.53	0.25	0.77	0.41
24	2.08	4.48	8.01	5.58	0.25	0.85	0.45
25	2.05	4.40	8.01	5.75	0.25	0.86	0.43
26	2.43	4.39	8.00	5.98	0.25	0.85	0.47
27	2.36	4.45	7.99	6.19	0.25	0.85	0.46
28	2.12	4.45	7.98	6.26	0.26	0.87	0.46
29	1.94	4.43	7.99	6.25	0.27	0.85	0.43
30	2.12	5.05	7.99	6.37	0.26	0.83	0.43
Total	56						
Average	1.91	4.74	8.06	5.58	0.30	1.49	0.48
Min	1.52	4.12	7.86	5.09	0.00	0.77	0.41
Max	3.00	8.89	8.17	6.37	0.40	12.78	0.60

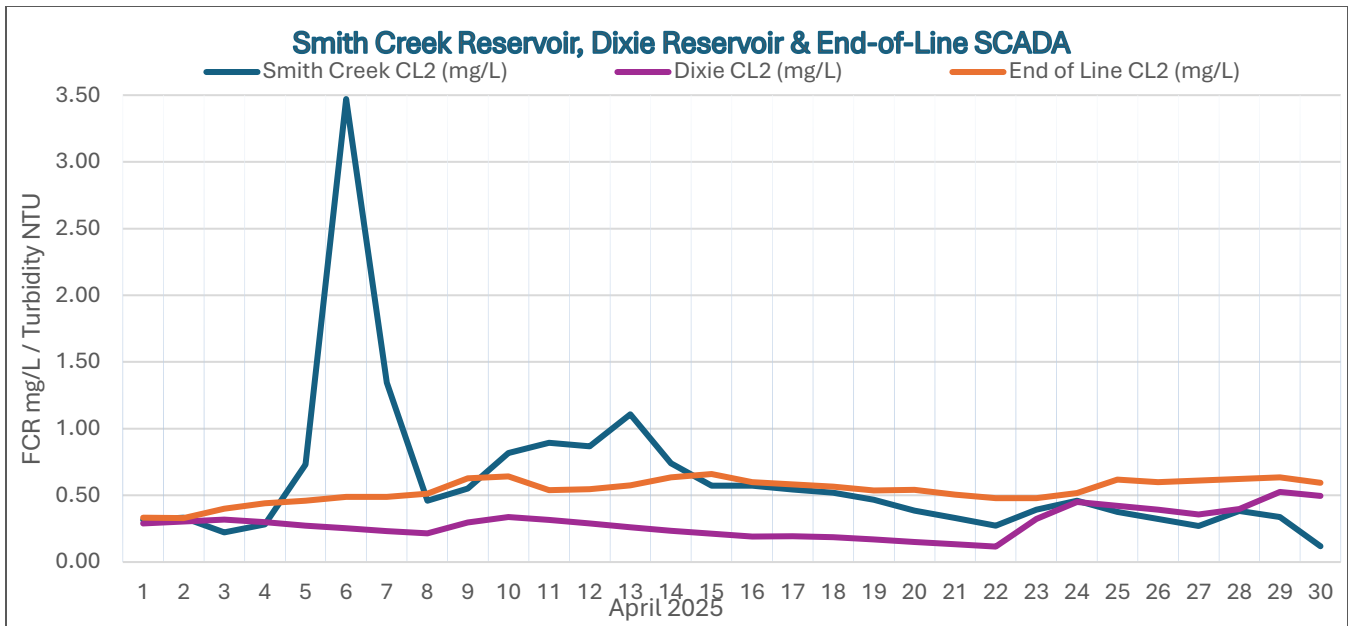


Smith Creek Reservoir, Dixie Reservoir & End-of-Line WQS

Date	Smith Creek Reservoir Chlorine Residual		
	Min (mg/L)	Max (mg/L)	Avg (mg/L)
April			
1	0.22	0.46	0.32
2	0.16	0.53	0.33
3	0.12	0.37	0.22
4	0.00	0.41	0.28
5	0.39	1.33	0.73
6	1.32	4.27	3.47
7	0.50	3.51	1.35
8	0.40	0.52	0.46
9	0.37	0.76	0.55
10	0.41	1.13	0.82
11	0.79	0.99	0.89
12	0.76	1.12	0.87
13	0.95	1.19	1.11
14	0.58	0.98	0.74
15	0.48	0.85	0.57
16	0.51	0.62	0.57
17	0.50	0.70	0.54
18	0.48	0.56	0.52
19	0.40	0.52	0.47
20	0.34	0.45	0.39
21	0.28	0.37	0.33
22	0.22	0.33	0.27
23	0.15	1.36	0.39
24	0.40	0.52	0.46
25	0.33	0.43	0.37
26	0.28	0.37	0.32
27	0.23	0.32	0.27
28	0.22	0.97	0.38
29	0.12	0.61	0.34
30	0.11	0.13	0.12
Average	0.40	0.89	0.62
Min	0.00	0.13	0.12
Max	1.32	4.27	3.47

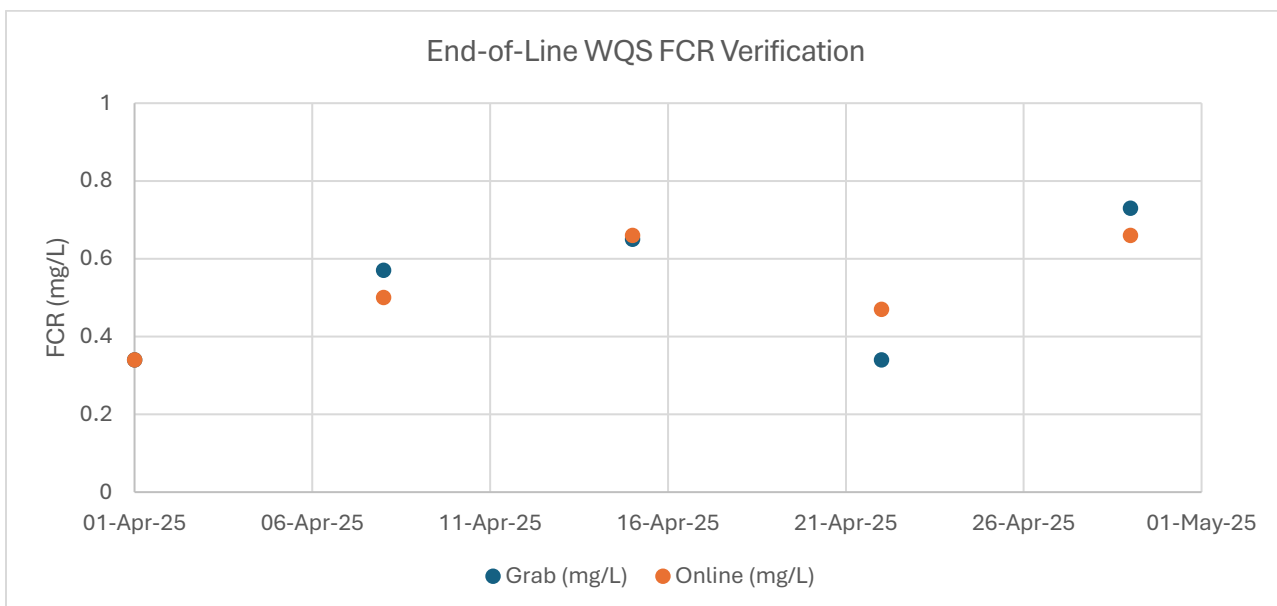
Dixie Reservoir Chlorine Residual		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.26	0.32	0.29
0.26	0.35	0.30
0.30	0.34	0.32
0.28	0.32	0.30
0.26	0.28	0.27
0.24	0.28	0.25
0.21	0.26	0.23
0.19	0.22	0.22
0.18	0.37	0.30
0.32	0.35	0.34
0.29	0.34	0.32
0.26	0.32	0.29
0.23	0.28	0.26
0.23	0.26	0.23
0.19	0.24	0.21
0.15	0.22	0.19
0.15	0.22	0.19
0.15	0.21	0.19
0.14	0.18	0.17
0.12	0.17	0.15
0.12	0.15	0.13
0.08	0.13	0.12
0.08	0.48	0.32
0.42	0.48	0.45
0.40	0.46	0.42
0.36	0.42	0.39
0.32	0.37	0.36
0.30	0.55	0.40
0.50	0.55	0.53
0.46	0.53	0.50
0.25	0.32	0.29
0.08	0.13	0.12
0.50	0.55	0.53

End-of-The Line Chlorine Residual		
Min (mg/L)	Max (mg/L)	Avg (mg/L)
0.30	0.36	0.33
0.28	0.38	0.33
0.34	0.45	0.40
0.41	0.47	0.44
0.41	0.52	0.46
0.46	0.52	0.49
0.46	0.51	0.49
0.45	0.57	0.51
0.52	0.77	0.63
0.58	0.75	0.64
0.47	0.60	0.54
0.52	0.59	0.55
0.53	0.66	0.58
0.58	0.70	0.63
0.64	0.69	0.66
0.55	0.67	0.60
0.55	0.61	0.58
0.55	0.62	0.57
0.49	0.56	0.54
0.44	0.60	0.54
0.45	0.58	0.50
0.45	0.50	0.48
0.40	0.51	0.48
0.49	0.62	0.52
0.58	0.67	0.62
0.56	0.63	0.60
0.56	0.65	0.61
0.59	0.66	0.62
0.60	0.67	0.64
0.56	0.63	0.60
0.49	0.59	0.54
0.28	0.36	0.33
0.64	0.77	0.66



Note: April 6th 2025 Smith Creek Reservoir experienced a power outage causing the online analyzer spikes.

End-of-Line WQS Water Quality					
Date	Turbidity	Water Temp	FCR		pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	Online (mg/L)	
01-Apr-25	0.13	7.7	0.34	0.34	7.63
08-Apr-25	0.15	8	0.57	0.5	7.67
15-Apr-25	0.08	8.4	0.65	0.66	6.83
22-Apr-25	0.16	7.9	0.34	0.47	6.89
29-Apr-25	0.12	8.1	0.73	0.66	7.31
# of Samples	5	5	5	5	5
Average	0.13	8.02	0.53	0.53	7.27
Range	0.08-0.16	7.7-8.4	0.34-0.73	0.34-0.66	6.83-7.67



WQ Field Data

Mclver SS

Mclver SS Water Quality				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
01-Apr-25	0.1	6.1	0.32	7.54
08-Apr-25	0.09	6.2	0.39	7.72
15-Apr-25	0.13	7	0.52	6.87
22-Apr-25	0.11	7	0.29	6.91
29-Apr-25	0.18	7.3	0.39	7.1
# of Samples	5	5	5	5
Average	0.12	6.72	0.38	7.23
Range	0.09-0.18	6.1-7.3	0.29-0.52	6.87-7.72

Bulk Water Station

Bulk Water Station Water Quality				
Date	Turbidity	Water Temp	FCR	pH
	Grab (NTU)	Grab (°C)	Grab (mg/L)	
01-Apr-25	0.14	6.5	0.42	7.45
08-Apr-25	0.16	8.7	0.68	7.66
15-Apr-25	0.82	7.4	0.7	7.33
22-Apr-25	0.15	8.9	0.55	7.01
29-Apr-25	0.2	7	0.72	7.2
# of Samples	5	5	5	5
Average	0.29	7.70	0.61	7.33
Range	0.14-0.82	6.5-8.9	0.42-0.72	7.01-7.66