

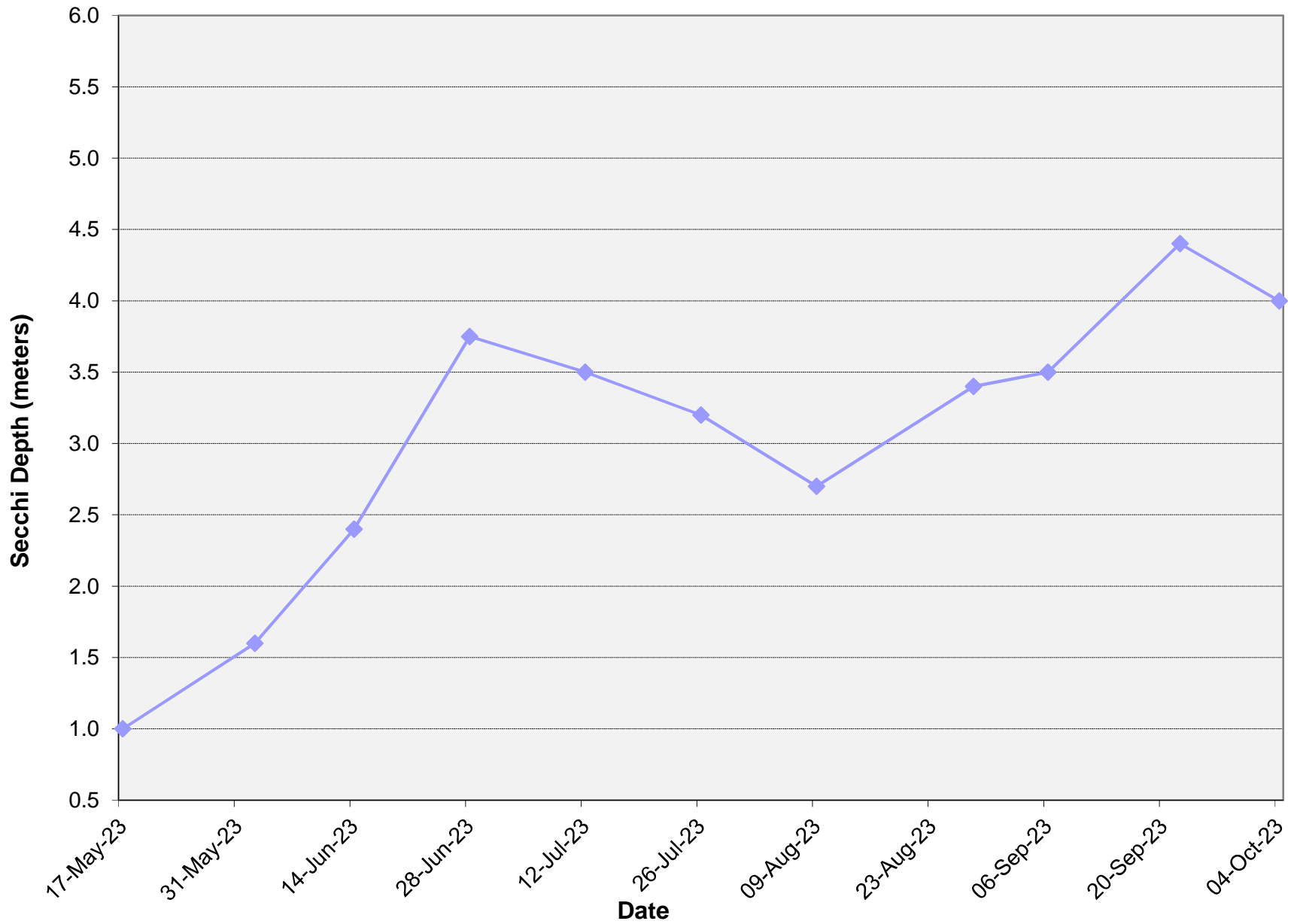
**DATA - PACKINGHOUSE - 2023**

DATE	TIME	SKY CONDITION, % cloud cover	WIND DIRECTION	WIND STRENGTH	WATER CONDITION	AIR TEMPERATURE (°C)	LAKE DEPTH (meters)	SECCHI DISC (meters)	TEMP, SURFACE (°C at 0m)	TEMP, BOTTOM (°C at 28m)	D.O. SURFACE (mg/l at 0m)	D.O. BOTTOM (mg/l at 28m)	SP. COND. - SURFACE (µS/cm)	SP. COND. - BTM (µS/cm at 28m)	pH SURFACE	pH BOTTOM (28 m)	THERMOCLINE			NOTES
																	DEPTH (meters)	TEMP (°C)	D.O. (ppm)	
17-May-23	8:51 AM	0%	Still	Calm	Flat	20.5	63	1.0	18.1	7.31	10.34	11.54	227.70	279.00	8.11	7.75	no t/c			
2-Jun-23	8:55 AM	0%	SW	Calm	Ripple	18.0	64.0	1.6	19.0	7.50	9.47	10.39	235.90	286.70	8.19	7.53	10.0	13.30	9.26	
14-Jun-23	8:55 AM	80%	NW	Low	Ripple	17.0	63	2.4	19.5	7.66	8.91	9.66	250.80	285.00	8.07	7.44	12.0	12.42	9.96	
28-Jun-23	8:52 AM	60%	Still	Calm	Flat	23.0	63	3.8	21.8	7.72	9.17	9.11	259.70	284.40	8.43	7.58	12.0	13.08	8.90	
12-Jul-23	10:00 AM	5%	Still	Calm	Flat	28.6	63	3.5	24.2	7.96	9.11	8.33	265.95	285.60	8.66	7.46	12.0	14.54	7.32	
26-Jul-23	10:07 AM	2%	NW	Low	Ripple	21.8	63	3.2	23.2	8.20	8.78	7.54	271.45	284.70	8.81	7.60	12.0	15.69	6.50	
9-Aug-23	8:44 AM	90%	N	Medium	Chop	24.5	63	2.7	22.7	8.23	9.06	7.06	273.65	285.20	8.81	7.51	12.5	15.54	6.01	
28-Aug-23	8:40 AM	See note	NE	Medium	Chop	27.0	64	3.4	21.0	8.31	8.78	6.10	279.35	286.60	8.81	7.46	13.0	15.68	5.62	Moderate smoke, sunny
06-Sep-23	8:29 AM	20%	Still	Calm	Flat	16.7	63	3.5	20.3	8.50	8.58	5.72	280.35	285.70	8.75	7.59	14.0	12.76	8.09	
22-Sep-23	8:32 AM	0%	Still	Calm	Flat	12.0	64	4.4	18.0	8.34	8.62	4.64	283.15	287.30	8.52	7.53	15.0	13.16	4.95	
04-Oct-23	8:49 AM	0.8	W	Calm	Flat	13.1	64.0	4.0	16.05	8.42	9.56	4.04	283.70	287.90	8.72	7.45	16.50	12.47	5.25	

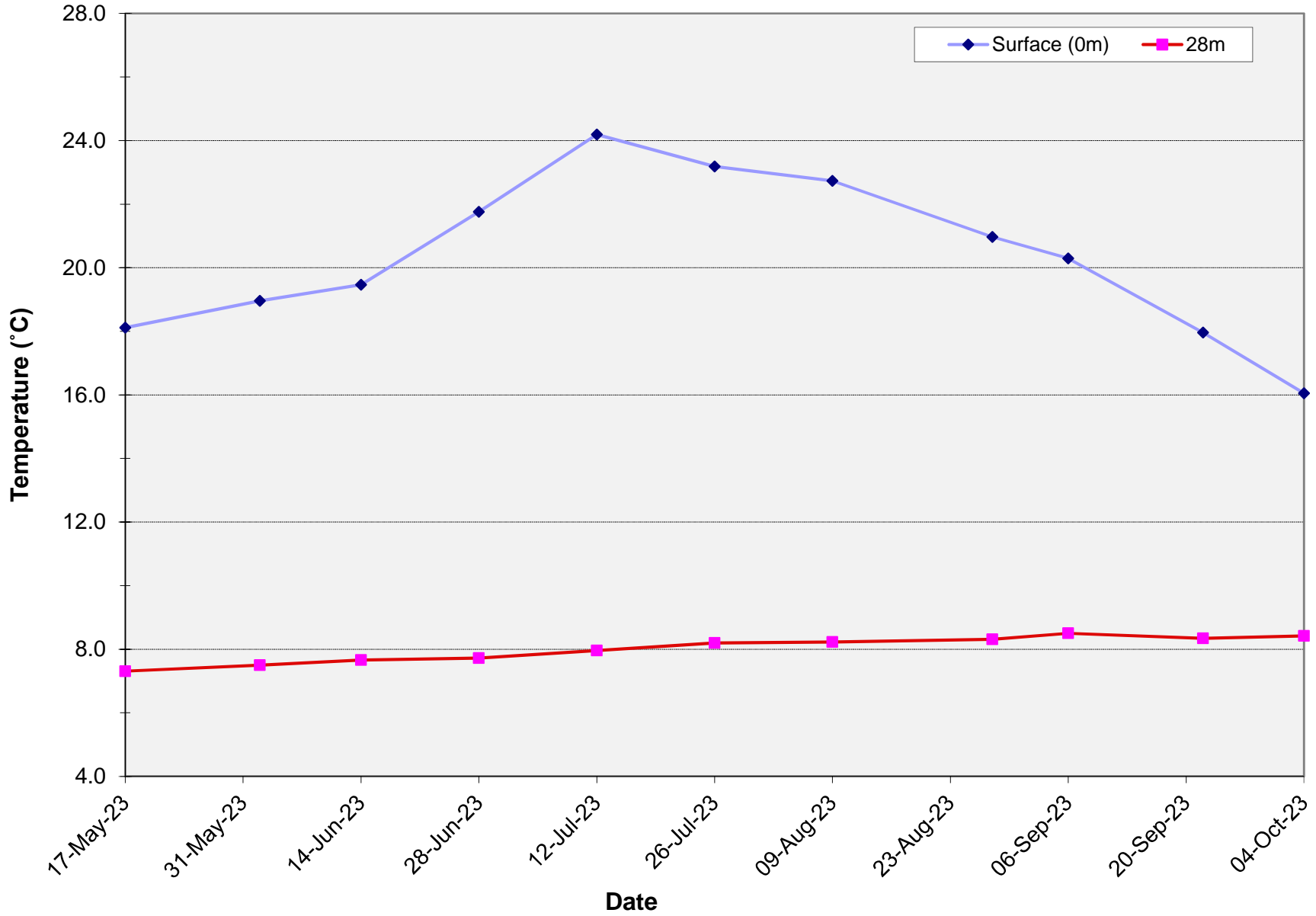
**OLWQS, VERTICAL WATER TESTING 2023:**

1. Lake sites: Packing house, White sands, Central basin, South basin
2. Testing and sampling frequency: Biweekly, with the planned schedule starting Wednesday 31st May through to Wednesday 4th October 2023. If there were strong winds and waves on a scheduled date, water testing was carried out some days later. Data shown for dates before 31st May were from training sessions.
3. Water test equipment: Hydrolab HL4 sonde, computer, Secchi disc, and GPS. Data capture was also trialed later in the season using a Hydrolab Surveyor HL hand held device.

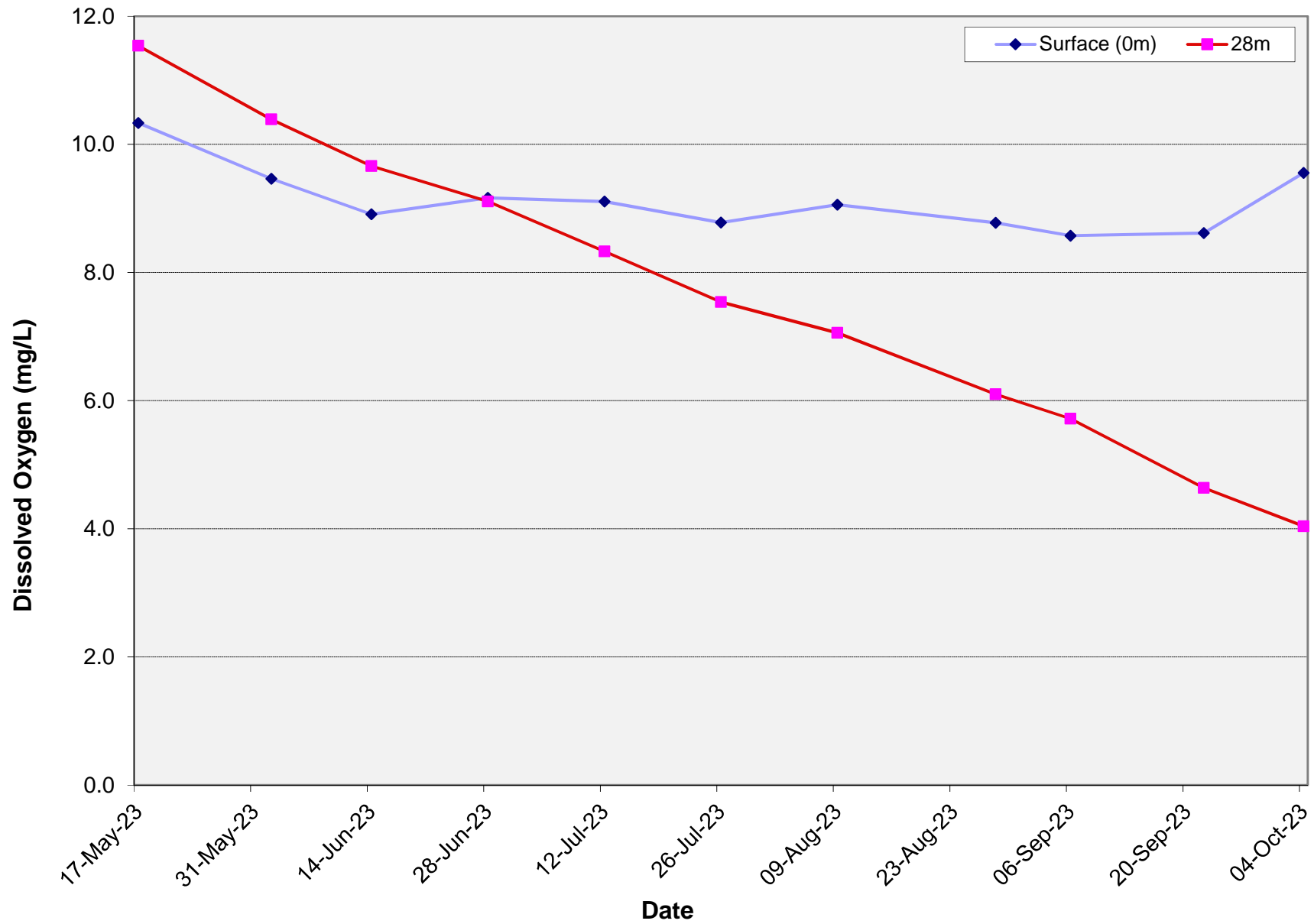
## Osoyoos Lake (at Packing house) - Secchi Depth 2023



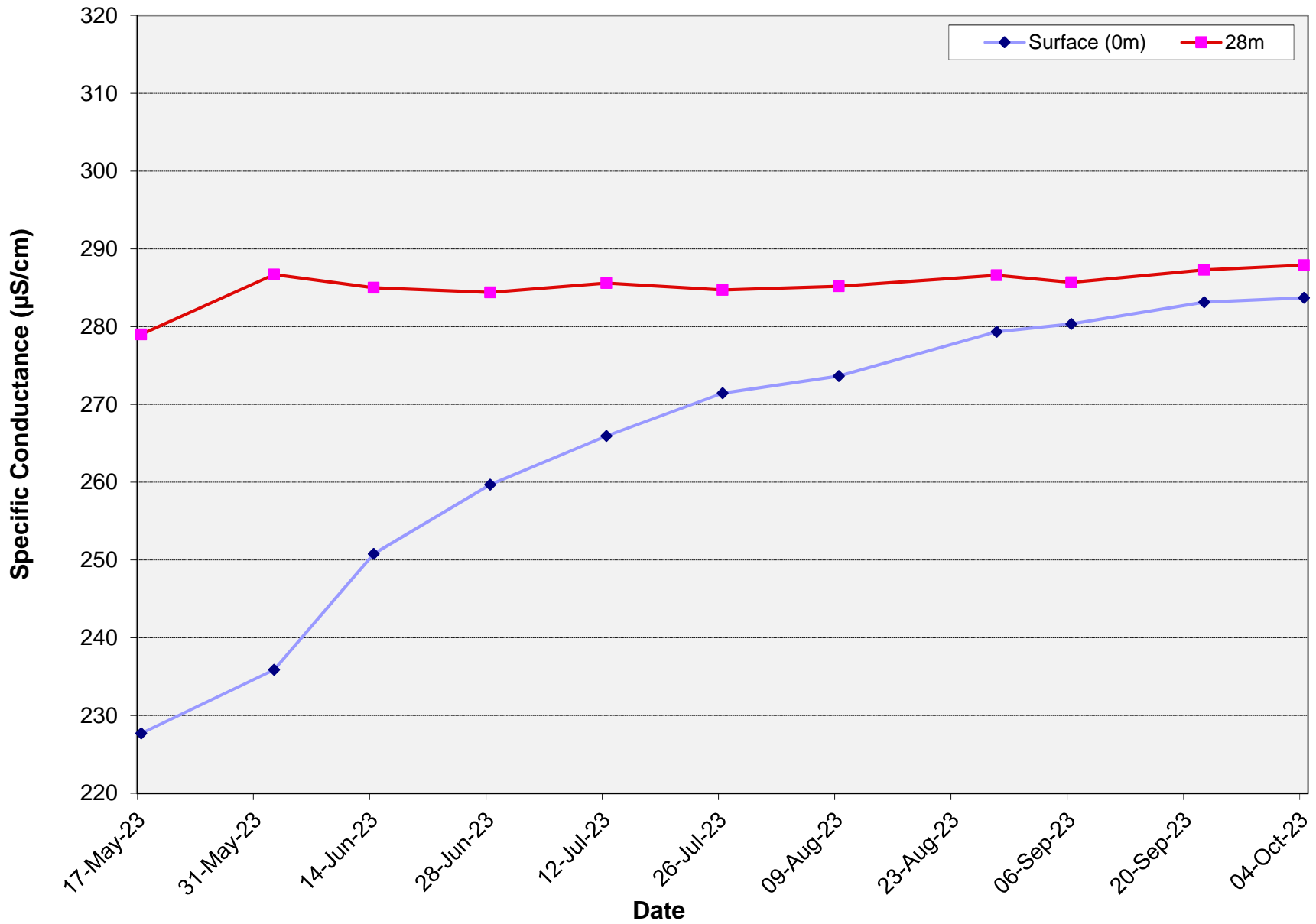
### Osoyoos Lake (at Packing house) - Water Temperature 2023



## Osoyoos Lake (at Packinghouse) - Dissolved Oxygen Levels 2023



## Osoyoos Lake (at Packinghouse) - Specific Conductance 2023



**DEPTH DATA:****Depth (m)**

17-May-23	2-Jun-23	14-Jun-23	28-Jun-23	12-Jul-23	26-Jul-23	9-Aug-23	28-Aug-23	6-Sep-23	22-Sep-23	04-Oct-23
0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.94	1.97	1.99	2.02	1.93	1.98	2.00	2.03	2.00	2.02	1.84
3.88	4.01	3.99	4.00	3.94	3.97	3.96	4.02	4.00	4.05	3.84
5.92	6.01	5.97	5.99	5.96	5.98	5.97	6.00	6.00	6.02	5.84
7.74	7.93	7.92	7.98	7.94	7.93	7.96	7.98	7.97	7.98	7.84
9.82	9.99	9.94	9.97	9.89	9.92	9.93	10.03	9.95	9.96	9.84
11.92	11.69	11.94	11.95	11.67	11.90	11.70	11.84	11.94	11.97	11.84
13.90	13.59	13.94	13.89	13.90	13.89	13.92	13.97	13.91	13.94	13.94
15.89	15.77	15.90	15.91	15.81	15.87	15.85	15.61	15.63	15.88	15.84
17.91	17.92	17.87	17.86	17.52	17.86	17.80	17.91	17.57	17.74	17.84
19.85	19.84	19.85	19.90	19.77	19.81	19.78	19.88	19.87	19.56	19.84
21.82	21.73	21.85	21.90	21.78	21.83	21.22	21.95	21.88	21.66	21.84
23.70	23.66	23.89	23.86	23.83	23.85	22.93	23.87	23.87	23.74	23.84
25.47	25.54	25.87	25.86	25.8	25.84	25.21	25.87	25.87	25.85	25.84
27.86	27.28	27.70	27.86	27.83	27.85	27.23	27.90	27.87	27.90	27.74

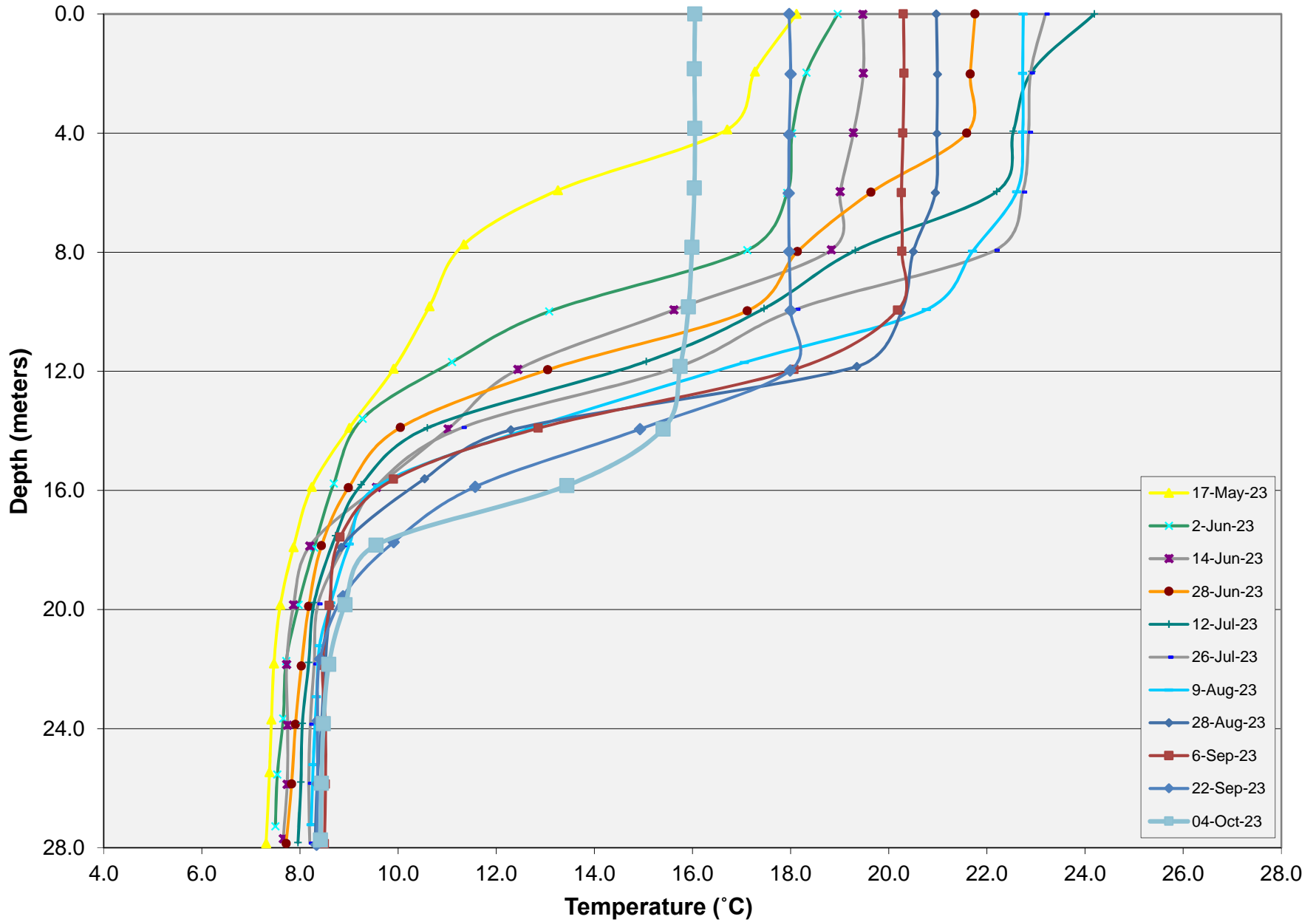
**Temperature (°C)**

17-May-23	2-Jun-23	14-Jun-23	28-Jun-23	12-Jul-23	26-Jul-23	9-Aug-23	28-Aug-23	6-Sep-23	22-Sep-23	04-Oct-23
18.12	18.96	19.47	21.76	24.19	23.19	22.74	20.97	20.30	17.97	16.05
17.27	18.32	19.48	21.66	22.92	22.89	22.73	20.99	20.31	18.00	16.04
16.71	18.03	19.28	21.59	22.54	22.85	22.73	20.98	20.29	17.97	16.05
13.26	17.93	19.01	19.64	22.20	22.73	22.61	20.95	20.26	17.96	16.04
11.34	17.12	18.83	18.14	19.32	22.17	21.71	20.5	20.27	17.97	15.99
10.64	13.08	15.62	17.12	17.46	18.11	20.77	20.25	20.18	18.00	15.92
9.91	11.10	12.44	13.05	15.06	15.63	17.06	19.35	18.07	17.99	15.75
9.01	9.28	11.02	10.05	10.60	11.31	12.68	12.3	12.86	14.93	15.40
8.24	8.69	9.56	8.99	9.25	9.55	9.59	10.54	9.91	11.57	13.44
7.87	8.29	8.20	8.44	8.73	8.90	9.01	8.84	8.82	9.91	9.55
7.60	7.97	7.87	8.18	8.29	8.37	8.63	8.62	8.60	8.88	8.92
7.47	7.72	7.73	8.03	8.18	8.29	8.40	8.51	8.46	8.41	8.59
7.42	7.66	7.75	7.91	8.05	8.21	8.34	8.44	8.52	8.36	8.48
7.38	7.54	7.74	7.83	8.02	8.18	8.27	8.35	8.52	8.36	8.44
7.31	7.50	7.66	7.72	7.96	8.20	8.23	8.31	8.50	8.34	8.42

**Dissolved Oxygen (mg/L)**

17-May-23	2-Jun-23	14-Jun-23	28-Jun-23	12-Jul-23	26-Jul-23	9-Aug-23	28-Aug-23	6-Sep-23	22-Sep-23	04-Oct-23
10.34	9.47	8.91	9.17	9.11	8.78	9.06	8.78	8.58	8.62	9.56
10.61	9.88	9.60	9.73	9.22	8.76	9.40	8.99	9.42	9.68	10.37
10.93	9.78	9.75	10.15	9.18	8.74	9.56	9.10	10.22	10.78	10.39
11.77	9.78	9.63	10.96	8.81	8.65	8.95	8.69	10.87	11.45	11.31
12.00	9.50	9.92	10.18	7.76	8.31	8.95	8.05	11.10	11.72	10.61
12.89	9.25	9.12	8.51	7.33	6.69	7.02	7.65	11.12	10.50	10.15
13.17	9.55	9.96	8.90	7.21	6.50	5.85	6.28	8.46	8.73	10.18
13.10	10.50	9.71	9.31	8.16	7.24	6.30	5.02	8.17	5.49	8.87
11.63	11.03	9.66	9.17	8.47	7.55	7.51	5.87	5.84	4.46	5.55
11.73	10.73	9.76	9.20	8.49	7.61	7.09	6.18	5.96	4.80	4.36
11.48	10.61	9.63	9.16	8.51	7.59	6.99	6.27	5.90	5.18	4.41
11.43	10.56	9.62	9.05	8.48	7.57	6.99	6.21	5.75	5.03	4.22
11.47	10.54	9.62	9.12	8.31	7.54	7.03	6.17	5.64	4.73	4.22
11.48	10.44	9.67	9.07	8.33	7.53	7.05	6.02	5.71	4.68	4.12
11.54	10.39	9.66	9.11	8.33	7.54	7.06	6.10	5.72	4.64	4.04

# Osoyoos Lake (at Packinghouse) - Temperature Profiles 2023



# Osoyoos Lake (at Packinghouse) - Oxygen Profiles 2023

