

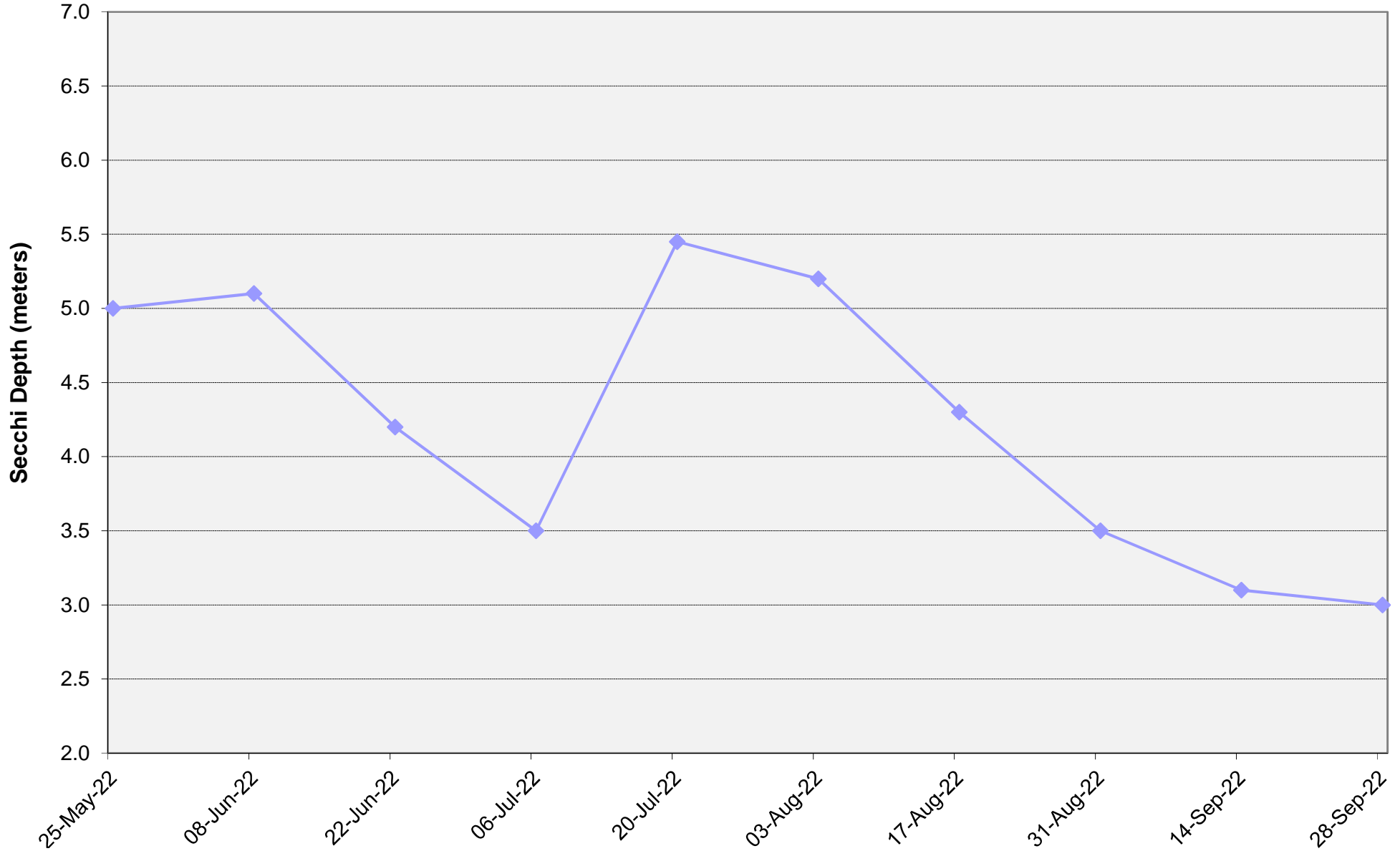
**DATA - SOUTH BASIN (Border)- 2022**

DATE	TIME	SKY CONDITION	WIND DIRECTION	WIND STRENGTH	WATER CONDITION	AIR TEMPERATURE (°C)	LAKE DEPTH (meters)	SECCHI DISC (meters)	TEMP, SURFACE (°C at 0m)	TEMP, BOTTOM (°C at 20m)	D.O. SURFACE (mg/l at 0m)	D.O. BOTTOM (mg/l at 20m)	SP. COND. - SURFACE (µS/cm)	SP. COND. - BTM (µS/cm at 20m)	pH SURFACE	pH BOTTOM (20m)	THERMOCLINE			NOTES
																	DEPTH (meters)	TEMP (°C)	D.O. (ppm)	
25-May-22	10:50 AM	Broken	S	Light	Light ripple	16	24	5.0	14.9	10.0	10.15	5.11	296.5	301.2	8.11	7.26	12.0	12.7	8.8	
8-Jun-22	10:53 AM	Overcast	S	Light	Small Waves	22	24	5.1	18.4	11.2	9.60	4.20	287.5	302.1	8.17	7.08	9.5	14.3	7.6	
22-Jun-22	10:26 AM	Scattered	SE	Calm	Calm	24	≈ 24	4.2	20.5	12.1	9.35	2.85	266.2	288.7	8.11	7.25	11.0	14.9	6.2	
6-Jul-22	10:56 AM	Overcast	N	Light	Light ripple	21	24	3.5	21.2	12.5	8.95	1.16	241.8	299.7	8.04	6.96	7.5	17.2	6.6	
20-Jul-22	11:07 AM	Clear	S	Calm	Calm	28	24	5.5	25.6	13.3	8.46	0.46	251.0	295.0	8.16	6.82	9.0	18.8	4.9	
03-Aug-22	10:44 AM	Scattered	NE	Light	Light ripple	23	≈ 24	5.2	26.1	13.6	8.6	0.2	256.2	290.7	8.22	6.81	9.0	19.3	3.6	
17-Aug-22	12:35 PM	Clear	NW	Light	Small waves	31	24	4.3	25.9	13.9	8.8	0.2	261.8	285.1	8.28	6.95	10.0	18.6	1.2	
31-Aug-22	10:55 AM	Overcast	W	Light	Light ripple	24	24	3.5	24.5	14.2	8.4	0.2	265.1	284.1	8.30	7.20	10.0	19.0	0.2	
14-Sep-22	10:45 AM	Scattered	S	Light	Light ripple	17	24	3.1	20.8	14.5	7.7	0.2	267.9	288.4	8.08	7.03	12.0	17.4	0.4	
28-Sep-22	10:55 AM	Scattered	NE	Light	Light ripple	18	24	3.0	19.0	14.7	9.4	0.2	269.8	291.1	8.26	7.04	14.0	16.8	2.2	

**OLWQS, VERTICAL WATER TESTING 2022:**

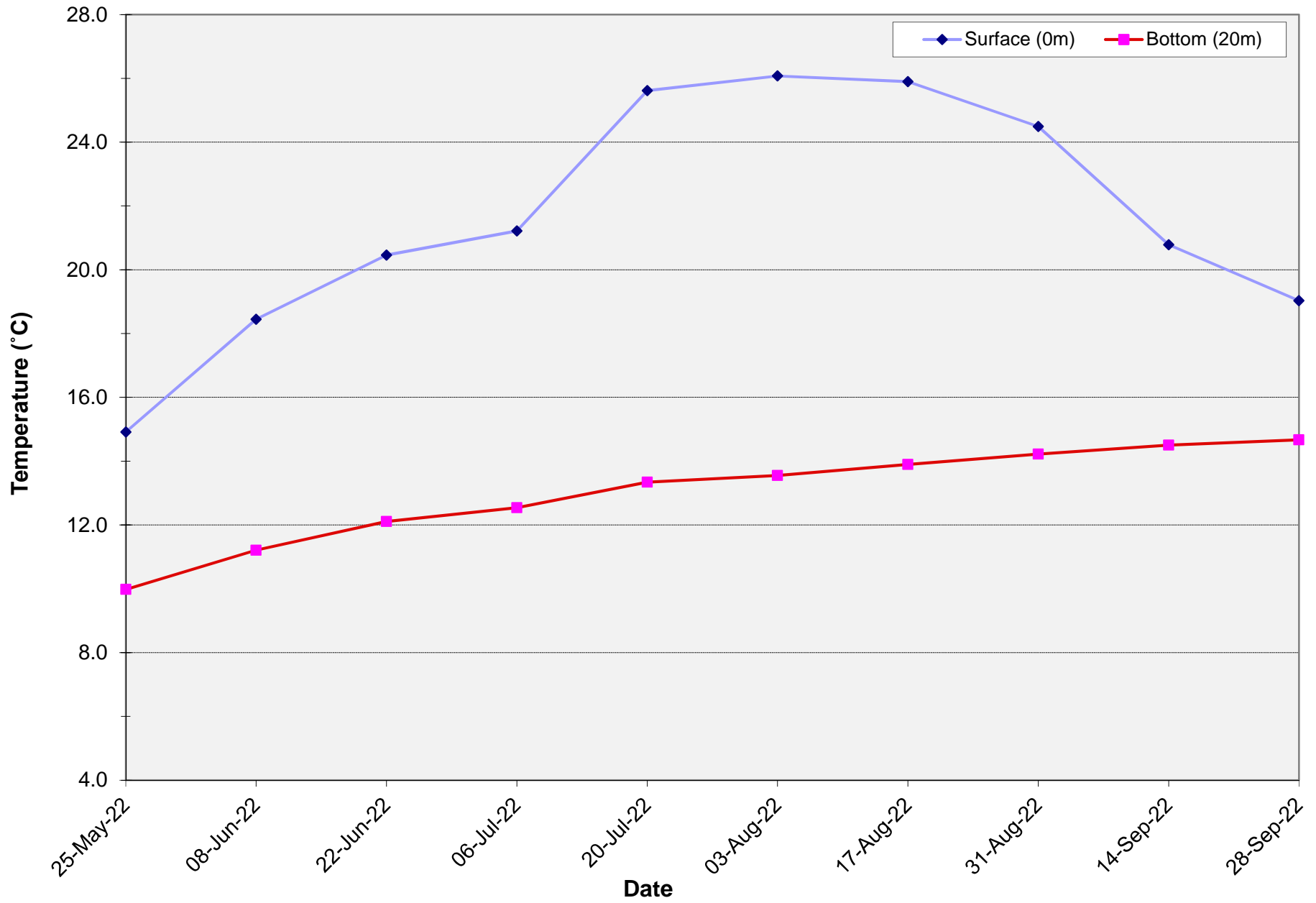
1. Lake sites: South basin, Central basin, White sands, and Packing house.
2. Testing and sampling frequency: Bi-weekly, with the schedule starting 25th May through to 12th October 2022.  
Cancellations: 12th October was re-scheduled to the 18th, but subsequently cancelled, both due to key crew shortage.
3. Water test equipment: Hydrolab HL4 sonde, computer, Secchi disc.

## Osoyoos Lake (at South Basin) - Secchi Depth 2022

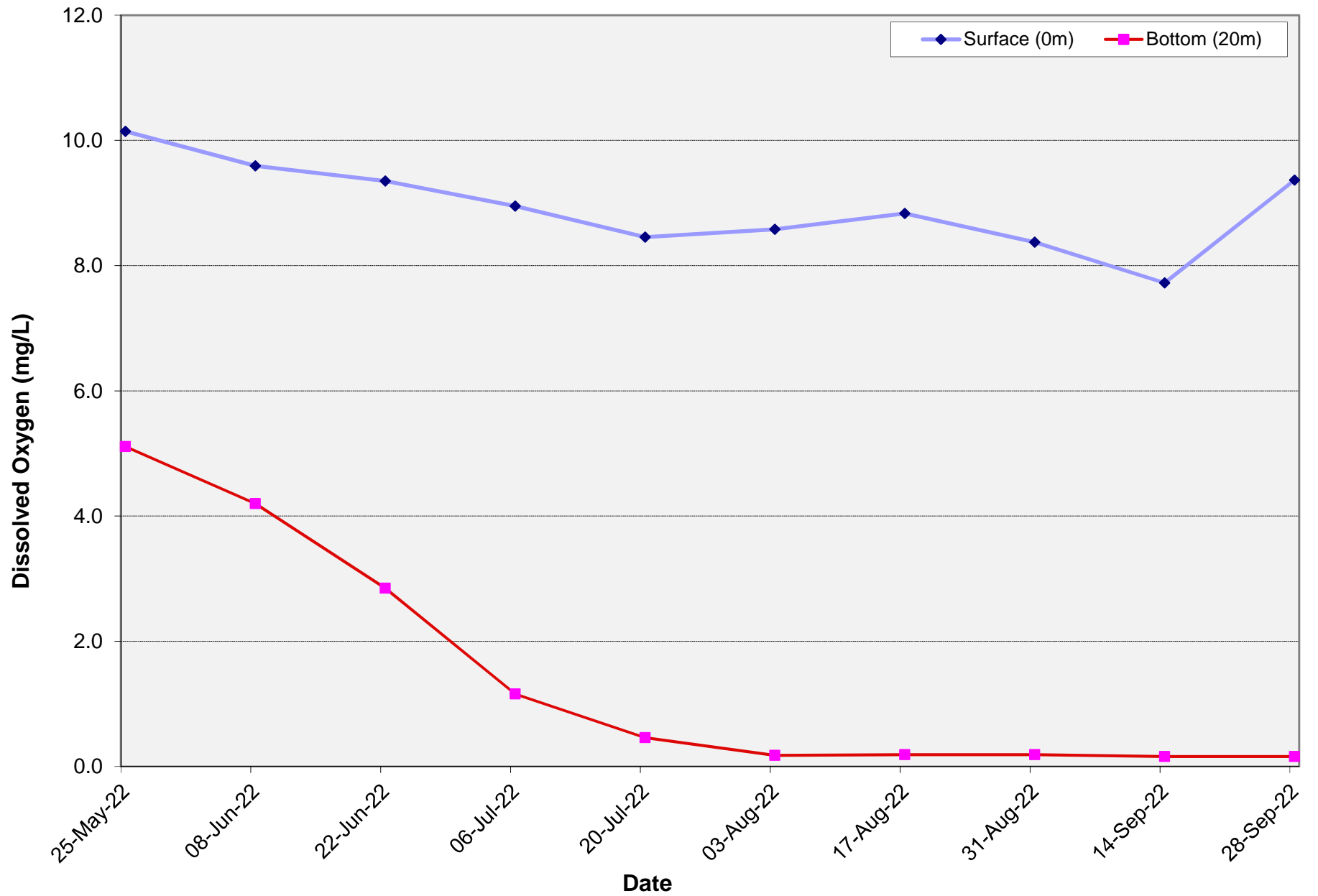


DATA COLLECTED BY OLWQS

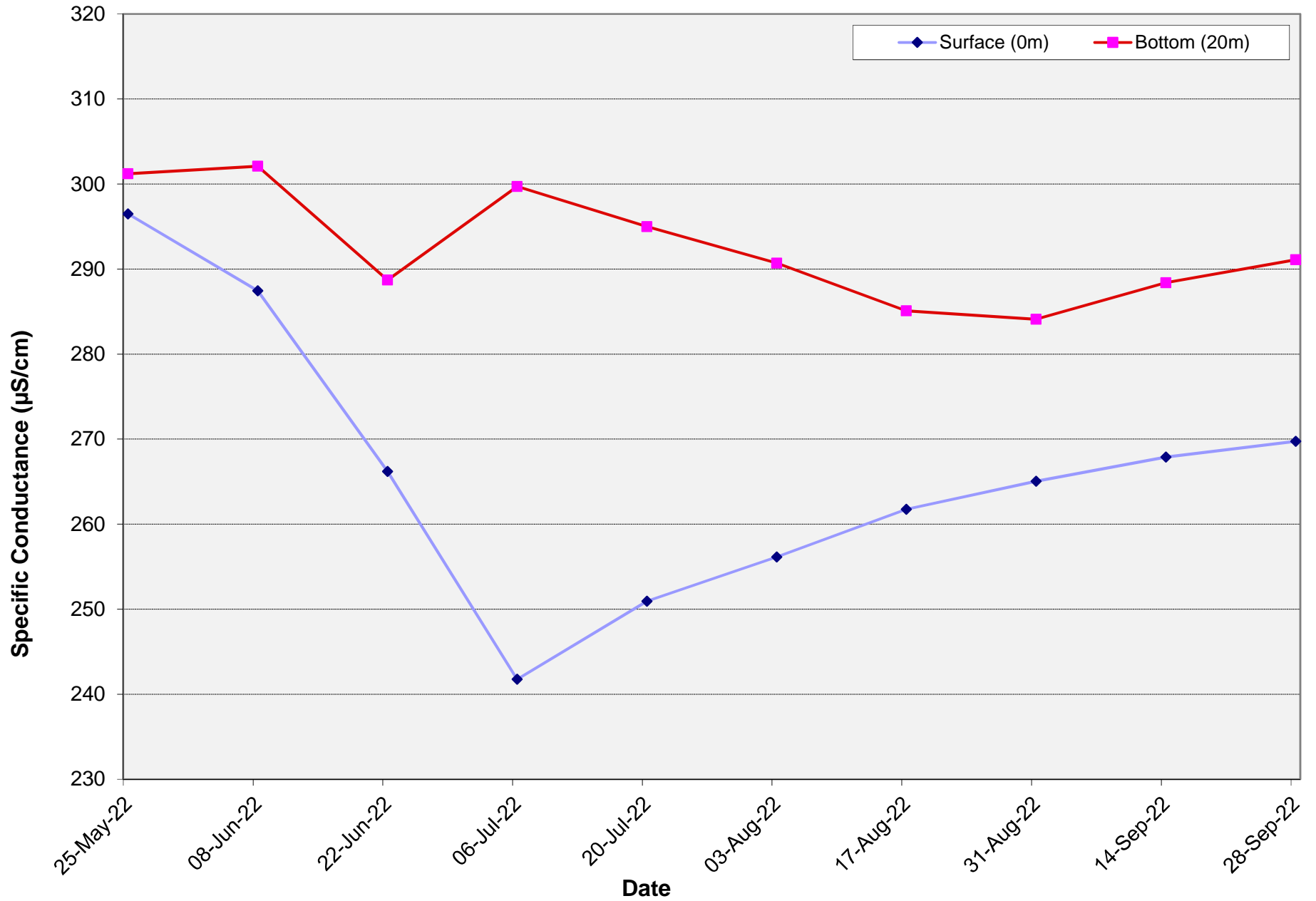
# Osoyoos Lake (at South Basin) - Water Temperature 2022



# Osoyoos Lake (at South Basin) - Dissolved Oxygen Levels 2022



# Osoyoos Lake (at South Basin) - Specific Conductance Data 2022



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

25-May-22	8-Jun-22	22-Jun-22	6-Jul-22	20-Jul-22	3-Aug-22	17-Aug-22
0.00	0.00	0.00	0.00	0.00	0.00	0.00
1.99	1.96	1.96	1.95	1.92	1.93	1.95
4.02	3.95	3.92	3.92	3.99	3.91	3.99
5.99	5.93	5.95	5.91	5.92	5.87	5.55
7.93	7.90	7.90	7.89	7.97	7.84	7.92
9.87	9.88	9.91	9.78	9.89	9.84	9.79
11.96	11.90	11.92	11.85	11.84	11.65	11.87
13.97	13.77	13.88	13.85	13.85	13.74	13.71
15.76	15.77	15.92	15.88	15.84	15.84	15.75
17.92	17.81	17.96	17.82	17.82	17.78	17.61
19.89	19.82	19.91	19.81	19.77	19.85	19.66

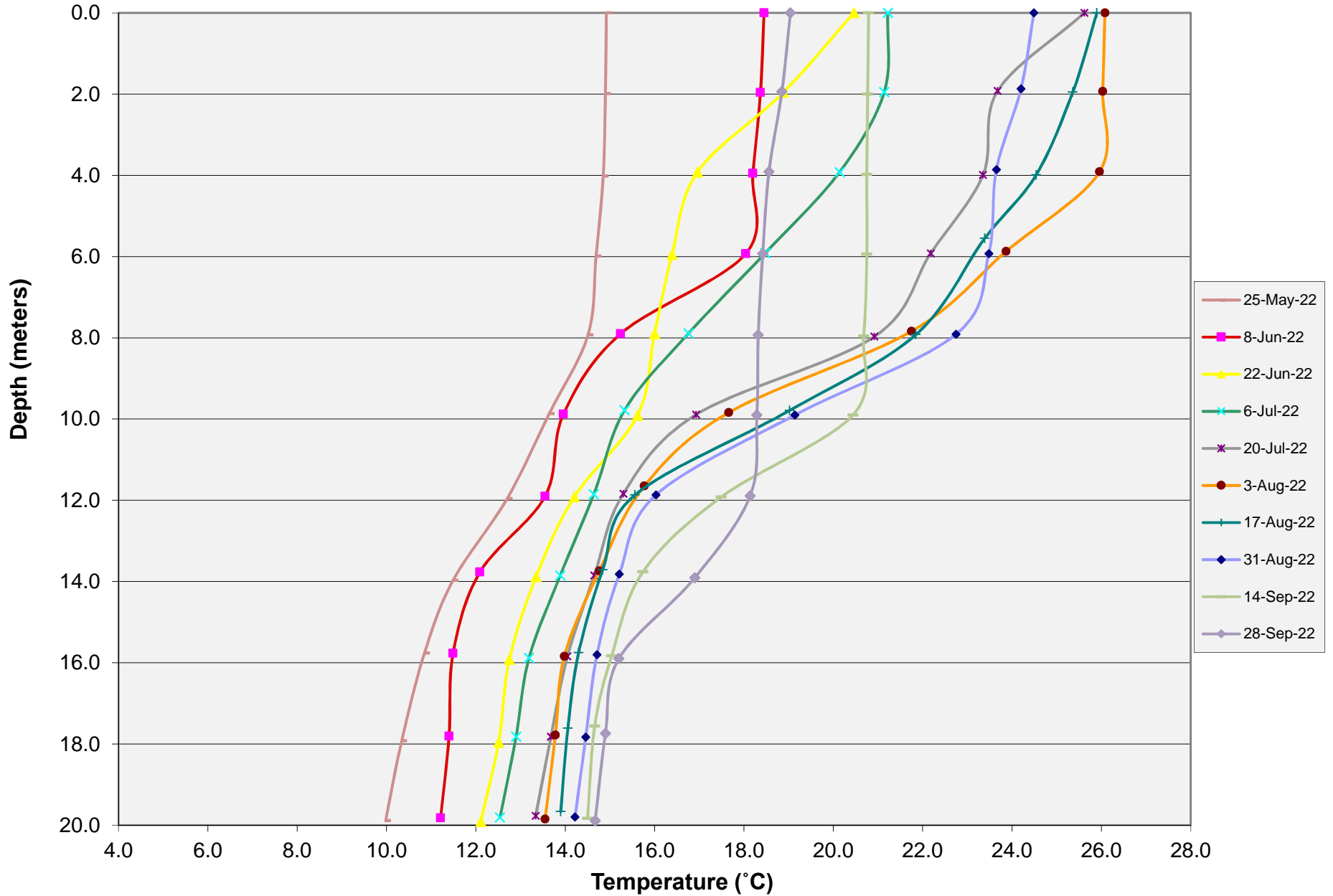
**Temperature (°C)**

25-May-22	8-Jun-22	22-Jun-22	6-Jul-22	20-Jul-22	3-Aug-22	17-Aug-22
14.92	18.45	20.46	21.22	25.62	26.08	25.90
14.90	18.37	18.88	21.14	23.68	26.03	25.36
14.85	18.20	16.96	20.14	23.35	25.96	24.54
14.69	18.04	16.39	18.48	22.18	23.87	23.39
14.51	15.24	16.00	16.76	20.92	21.75	21.85
13.64	13.96	15.62	15.33	16.93	17.66	19.02
12.70	13.55	14.20	14.64	15.30	15.77	15.56
11.49	12.09	13.35	13.89	14.65	14.76	14.84
10.85	11.49	12.75	13.19	14.05	13.98	14.30
10.34	11.40	12.51	12.90	13.68	13.78	14.06
9.98	11.21	12.11	12.54	13.34	13.55	13.90

**Dissolved Oxygen (mg/L)**

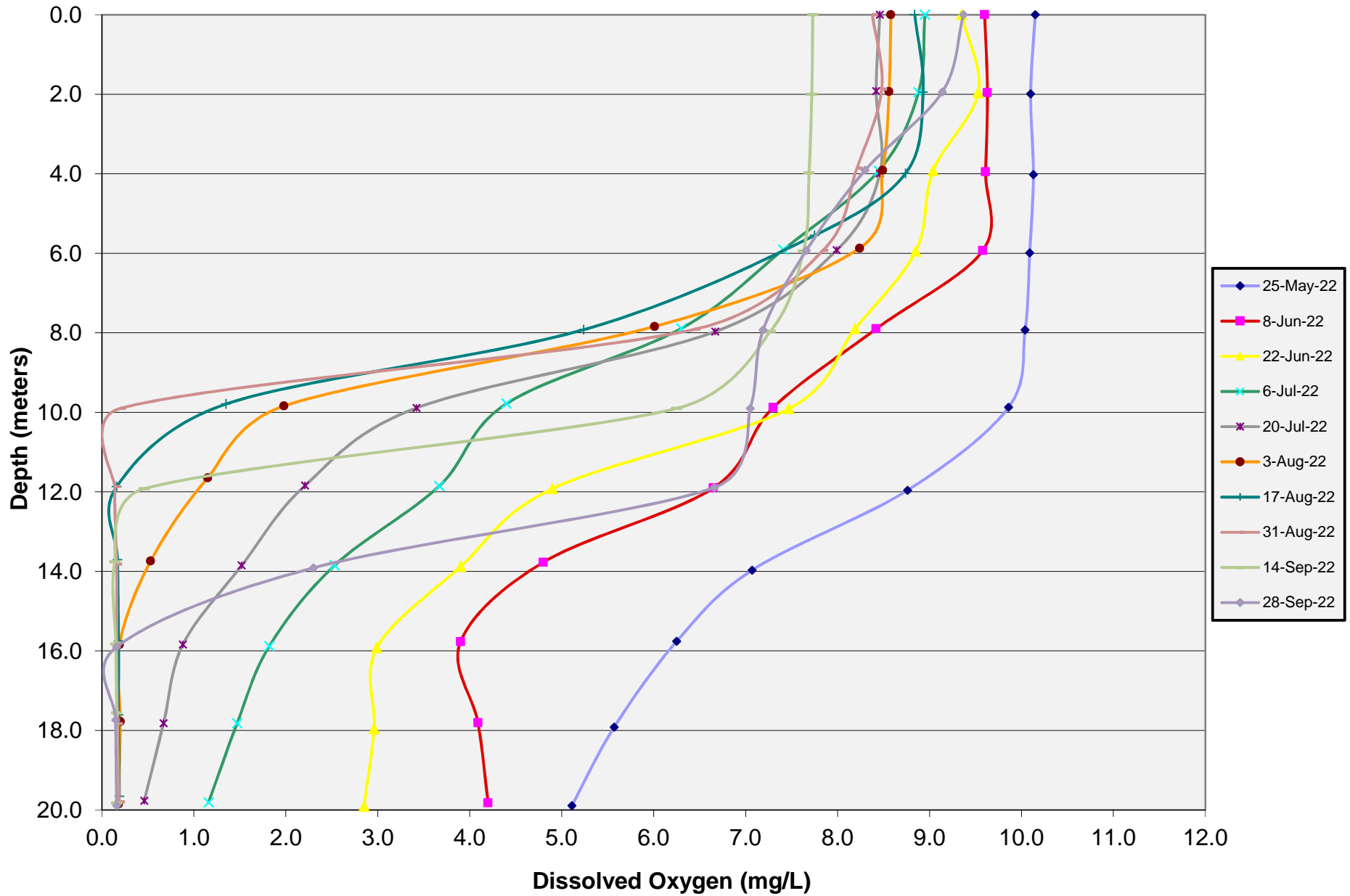
25-May-22	8-Jun-22	22-Jun-22	6-Jul-22	20-Jul-22	3-Aug-22	17-Aug-22
10.15	9.60	9.35	8.95	8.46	8.58	8.84
10.10	9.63	9.53	8.88	8.42	8.56	8.93
10.13	9.61	9.04	8.45	8.46	8.49	8.74
10.09	9.58	8.85	7.41	7.99	8.24	7.75
10.04	8.42	8.19	6.30	6.67	6.01	5.24
9.86	7.30	7.47	4.40	3.42	1.98	1.35
8.76	6.65	4.90	3.67	2.21	1.15	0.16
7.07	4.80	3.90	2.53	1.52	0.53	0.17
6.25	3.90	2.99	1.82	0.88	0.19	0.18
5.57	4.09	2.96	1.47	0.67	0.20	0.18
5.11	4.20	2.85	1.16	0.46	0.18	0.19

# Osoyoos Lake (at South Basin) - Temperature Profiles 2022



DATA COLLECTED BY OLWQS

# Osoyoos Lake (at South Basin) - Oxygen Profiles 2022



DATA COLLECTED BY OLVQS