

OLWQS 2021 1 SOUTH BASIN

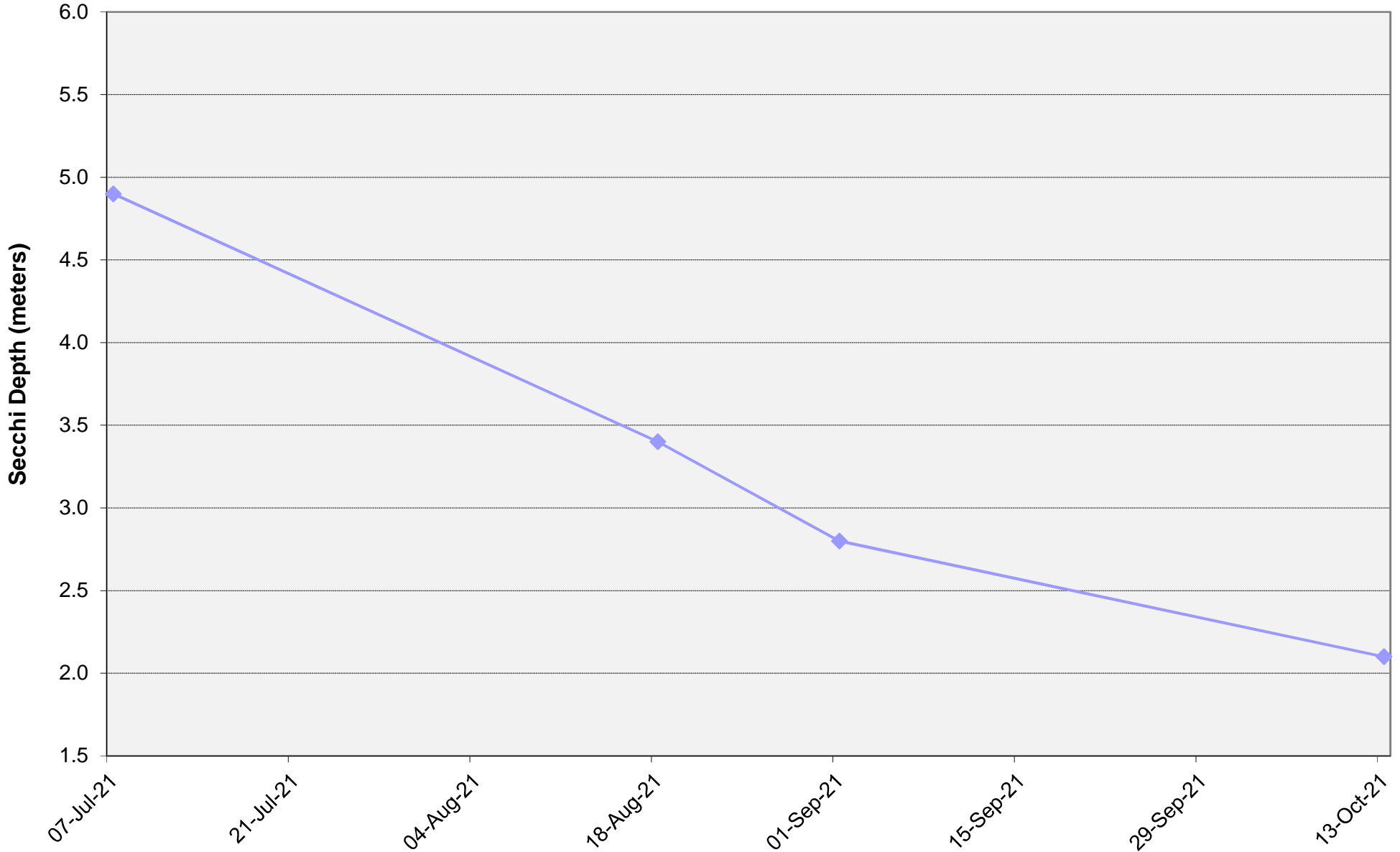
DATA - SOUTH BASIN (Border)- 2021

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)		
7-Jul-21	11:05 AM	Overcast	W	Moderate	Small waves	24	24	4.9	25.7	13.0	8.68	1.11	287.2	300.4	8.54	7.22	9.0	19.4	5.7		
18-Aug-21	10:47 AM	Clear		Calm	Calm	20	24	3.4	22.4	14.1	7.74	0.00	292.5	302.6	8.23	7.31	13.5	17.5	1.3		
1-Sep-21	11:10 AM	Scattered		Calm	Light ripple	17	24	2.8	20.4	14.8	7.97	0.00	293.3	304.6	8.19	7.48	14.0	17.8	0.9		
13-Oct-21	9:52 AM	Overcast	S	Light	Light ripple	6	24	2.1	14.7	14.5	8.37	8.34	296.1	295.6	7.97	7.98	no t/c				

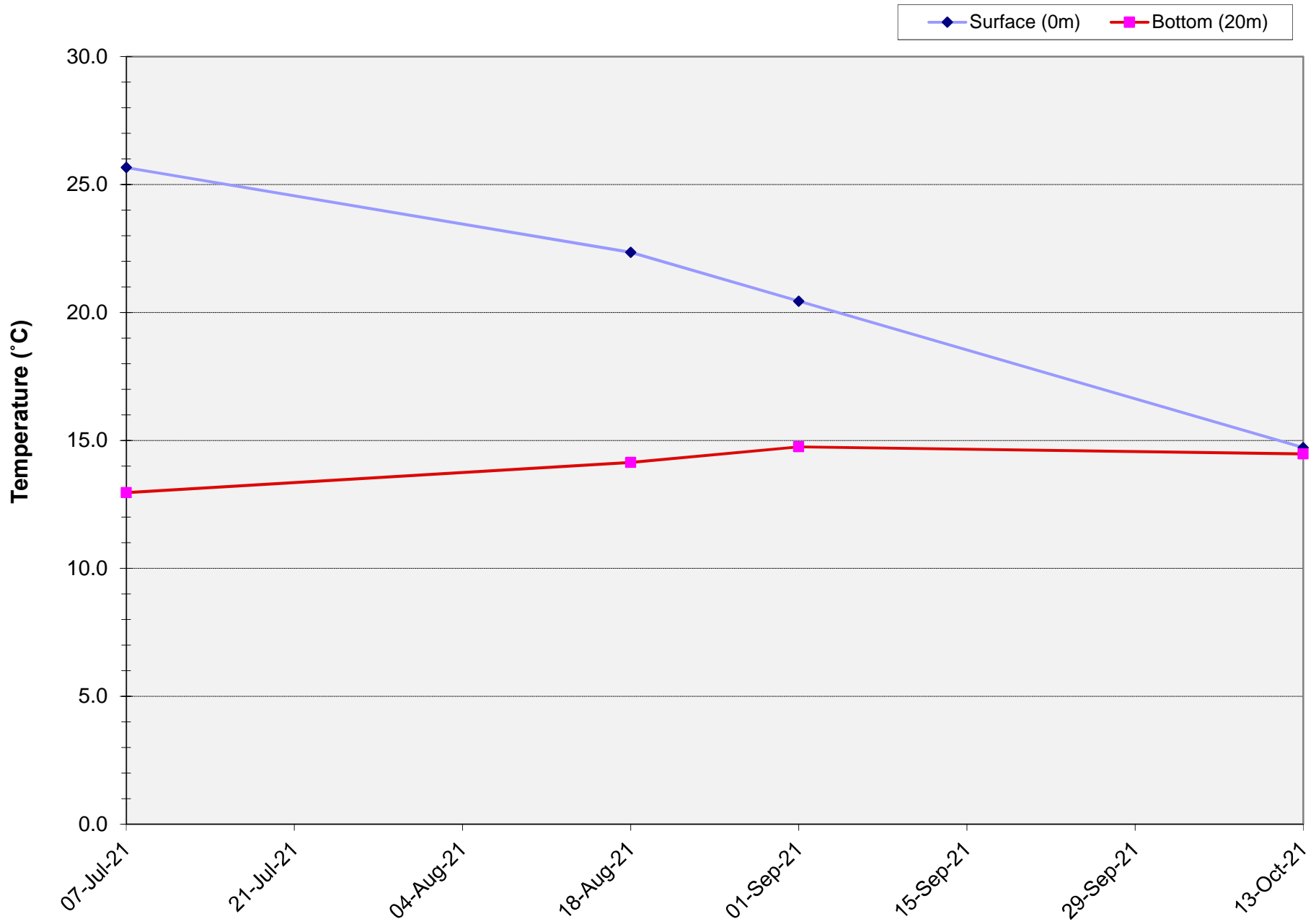
OLWQS, VERTICAL WATER TESTING 2021:

1. Lake sites: South basin, Central basin, White sands, and Packing house.
2. Testing and sampling frequency: Bi-weekly, with the schedule starting 7th July through to 29th September 2021, but later extended to 13th October 2021.
Cancellations: All sites 21st July and 4th August due to forest fire smoke. South basin 15th and 29th September due to strong wind and waves that rocked the boat.
3. Water test equipment: Hydrolab HL4 sonde, computer, Secchi disc.

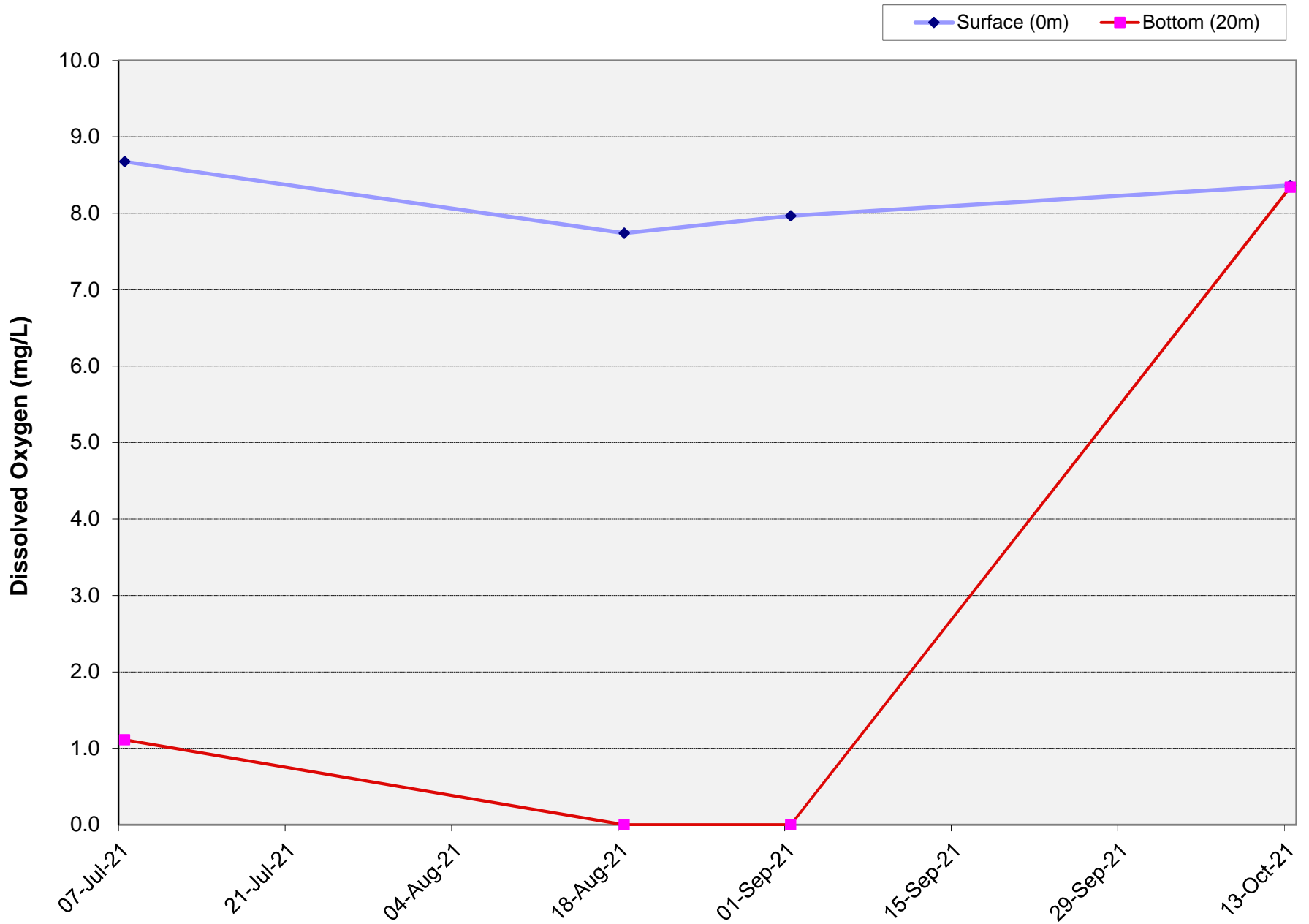
Osoyoos Lake (at South Basin) - Secchi Depth 2021



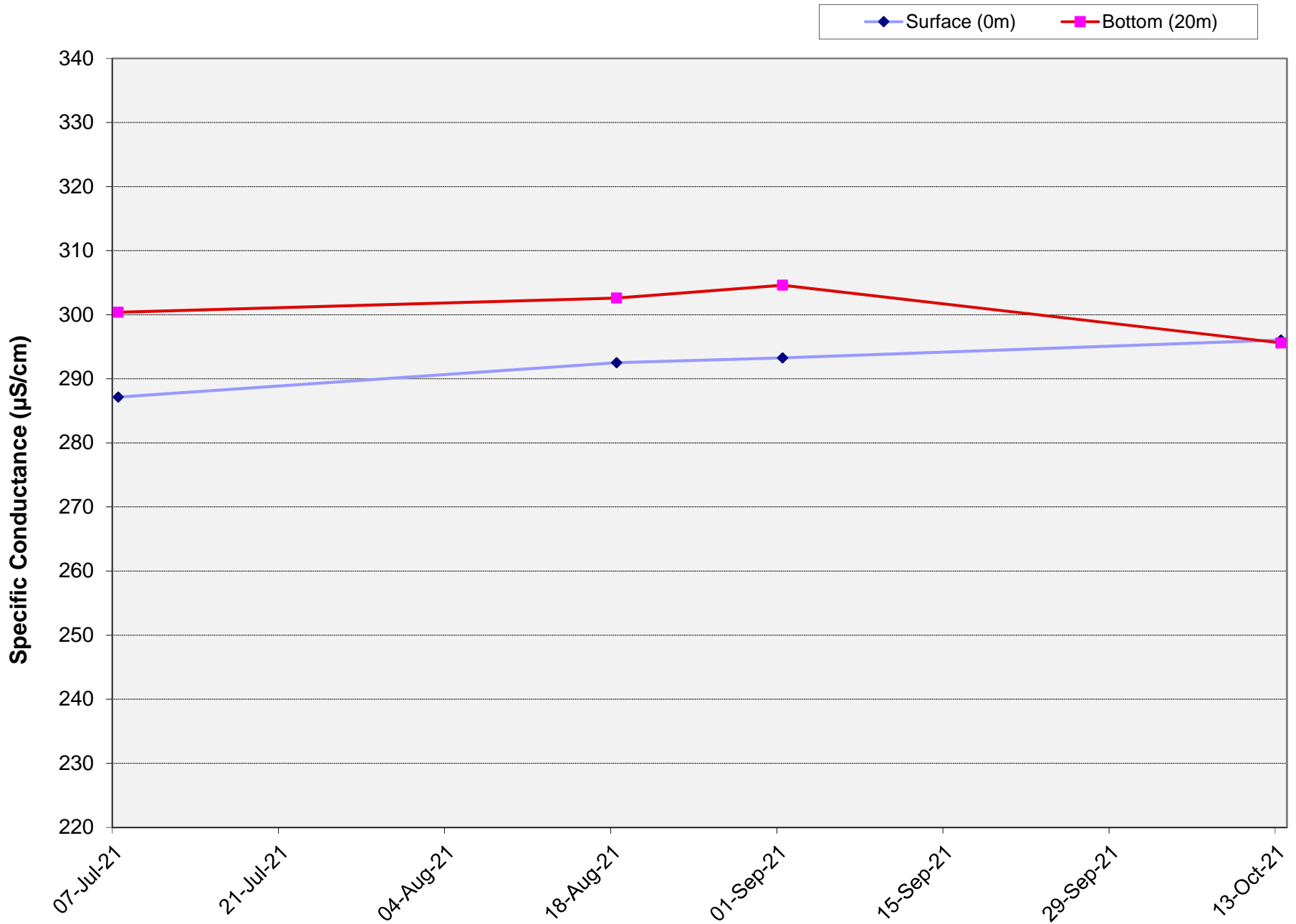
Osoyoos Lake (at South Basin) - Water Temperature 2021



Osoyoos Lake (at South Basin) - Dissolved Oxygen Levels 2021



Osoyoos Lake (at South Basin) - Specific Conductance Data 2021



OLWQS - SOUTH BASIN 2021

DEPTH DATA

Depth (m)

7-Jul-21	18-Aug-21	1-Sep-21	13-Oct-21	0-Jan-00	0-Jan-00	0-Jan-00
0.00	0.00	0.00	0.00			
2.08	2.06	2.04	2.13			
4.06	3.87	3.89	3.92			
5.74	5.74	5.69	5.74			
7.98	7.95	7.91	8.02			
9.9	9.89	9.86	9.96			
11.79	11.95	11.80	11.97			
13.85	13.83	13.83	14.04			
15.53	15.88	15.87	16.00			
17.88	17.88	17.85	18.08			
19.97	19.86	19.86	20.04			

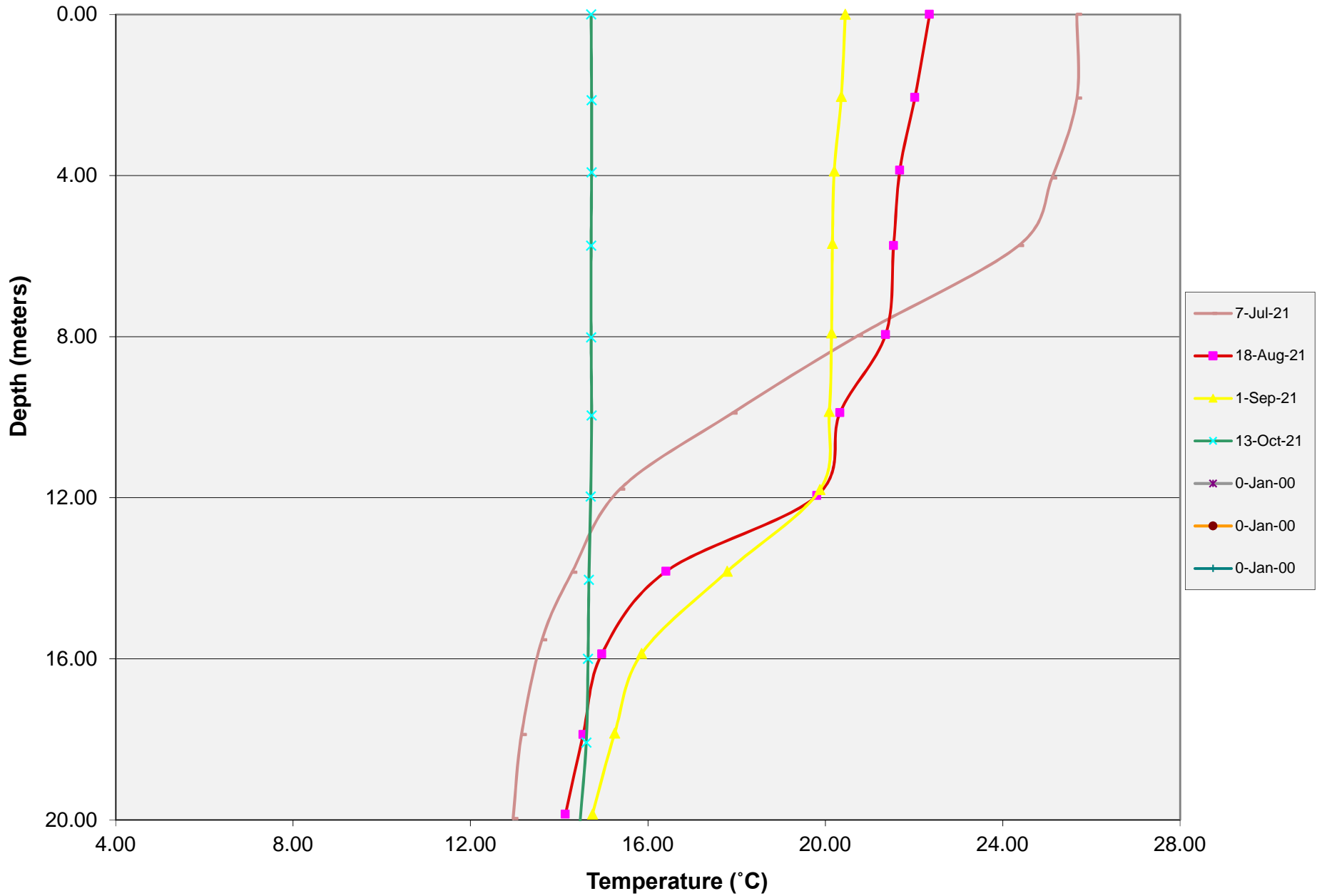
Temperature (°C)

7-Jul-21	18-Aug-21	1-Sep-21	13-Oct-21	0-Jan-00	0-Jan-00	0-Jan-00
25.67	22.35	20.45	14.72			
25.67	22.02	20.36	14.73			
25.11	21.68	20.20	14.73			
24.36	21.54	20.16	14.72			
20.73	21.36	20.14	14.72			
17.90	20.33	20.09	14.73			
15.37	19.81	19.88	14.71			
14.29	16.41	17.79	14.67			
13.61	14.96	15.86	14.65			
13.15	14.54	15.25	14.61			
12.96	14.14	14.75	14.47			

Dissolved Oxygen (mg/L)

7-Jul-21	18-Aug-21	1-Sep-21	13-Oct-21	0-Jan-00	0-Jan-00	0-Jan-00
8.68	7.74	7.97	8.35			
8.67	7.73	7.88	8.36			
8.77	7.38	7.83	8.45			
8.66	7.19	7.78	8.42			
7.09	6.88	7.79	8.38			
4.29	5.18	7.64	8.41			
2.28	4.07	6.55	8.53			
1.53	0.00	0.83	8.58			
1.21	0.00	0.00	8.64			
1.08	0.00	0.00	8.47			
1.11	0.00	0.00	8.34			

Osoyoos Lake (at South Basin) - Temperature Profiles 2021



Osoyoos Lake (at South Basin) - Oxygen Profiles 2021

