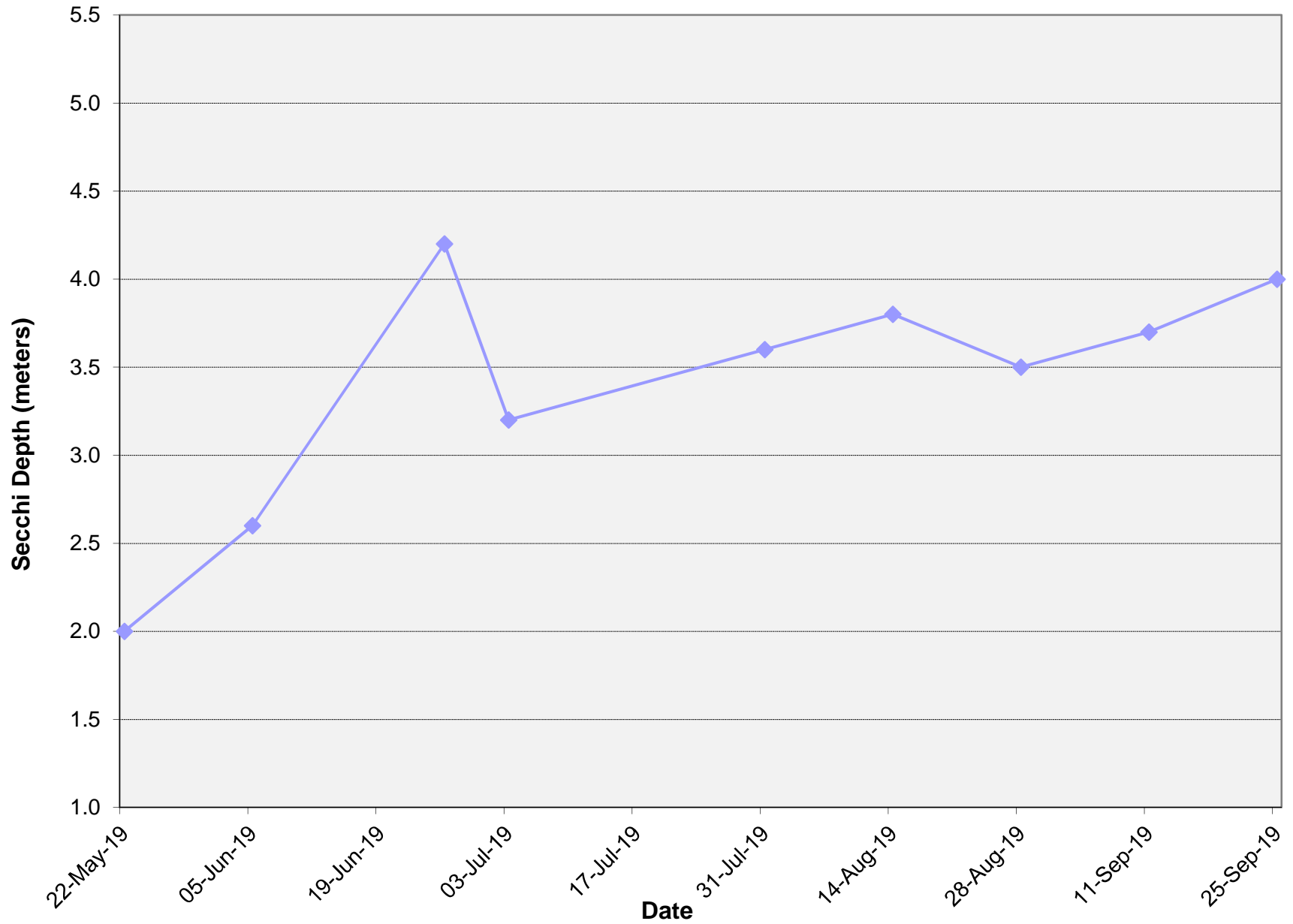


OLWQS 2019 4 PACKING HOUSE

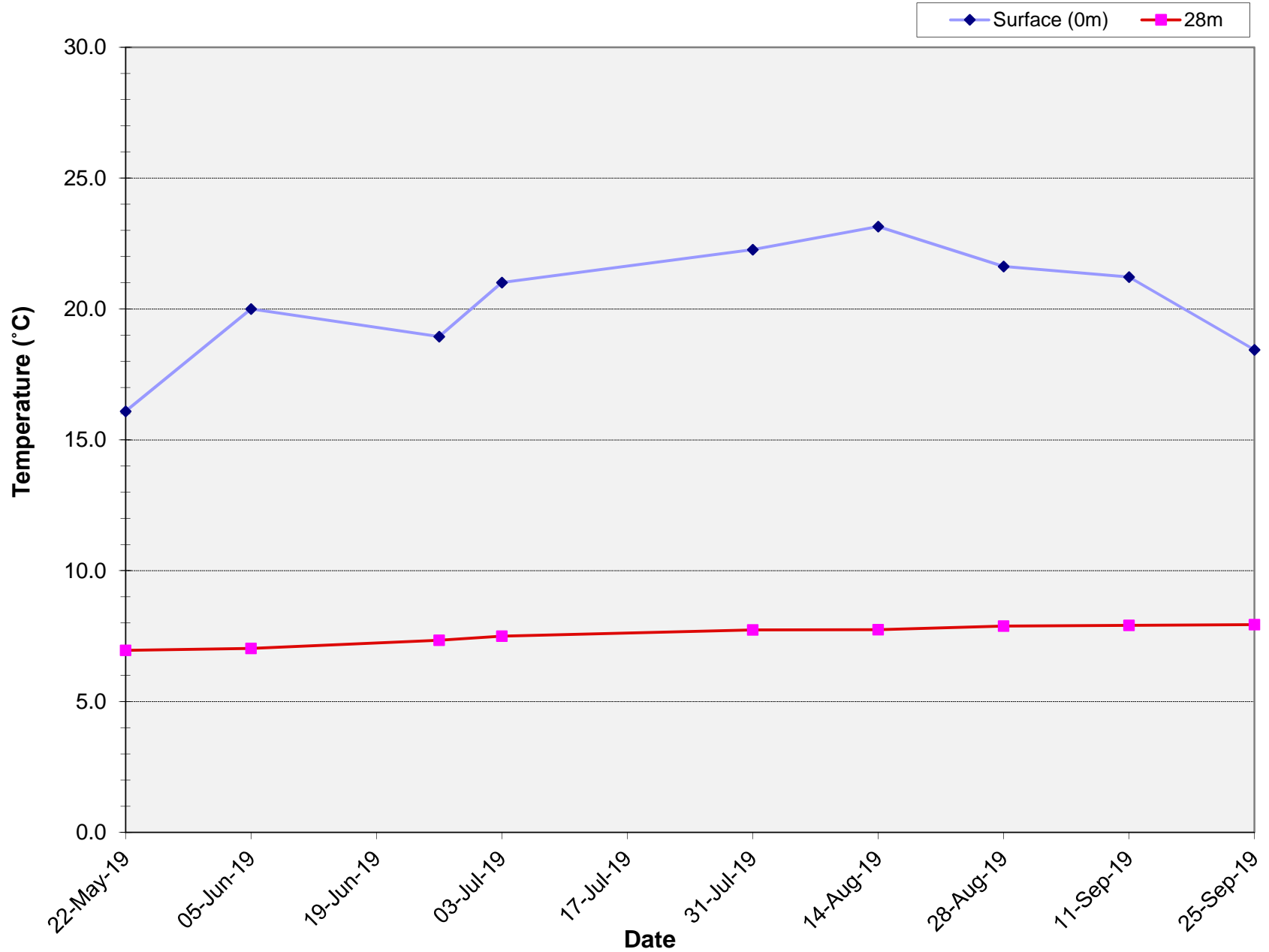
DATA - PACKINGHOUSE - 2019

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 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)	
22-May-19	11:10 AM	Scattered	N	Light	Light ripple	19	64	2.0	16.1	7.0	10.10	10.14	276.4	293.3	8.58	7.94	11	10.0	10.03	
5-Jun-19	10:50 AM	Overcast	S	Light	Light ripple	17.0	64.0	2.6	20.00	7.03	9.14	9.19	277.7	294.2	8.73	7.82	10.0	11.93	8.79	
26-Jun-19	9:15 AM	Clear	NW	Light	Light ripple	19	64	4.2	18.9	7.3	9.05	7.98	284.3	295.0	8.61	7.57	12	11.2	7.98	
3-Jul-19	11:10 AM	Scattered		Light	Light ripple	24	60	3.2	21.0	7.5	9.16	7.76	287.4	294.8	8.67	7.49	11	13.6	7.75	
31-Jul-19	9:30 AM	Scattered	NW	Moderate	Small waves	25	64	3.6	22.3	7.7	8.47	6.51	290.5	292.0	8.55	7.15	12	16.0	6.12	
14-Aug-19	9:12 AM	Clear	N	Light	Light ripple	21	64	3.8	23.2	7.8	8.37	5.82	293.0	292.1	8.61	7.22	12	17.7	5.64	
28-Aug-19	10:20 AM	Clear	NW	Light	Light ripple	24	64	3.5	21.6	7.9	8.43	5.25	293.8	292.4	8.67	7.37	13	14.4	4.91	
11-Sep-19	9:05 AM	Clear		Calm	Calm	16	64	3.7	21.2	7.9	8.33	4.59	295.3	293.8	8.59	7.30	14	12.8	3.9	
25-Sep-19	9:20 AM	Clear		Calm	Calm	13	64	4.0	18.4	7.9	8.45	3.92	294.7	294.8	8.47	7.26	14	12.9	3.4	

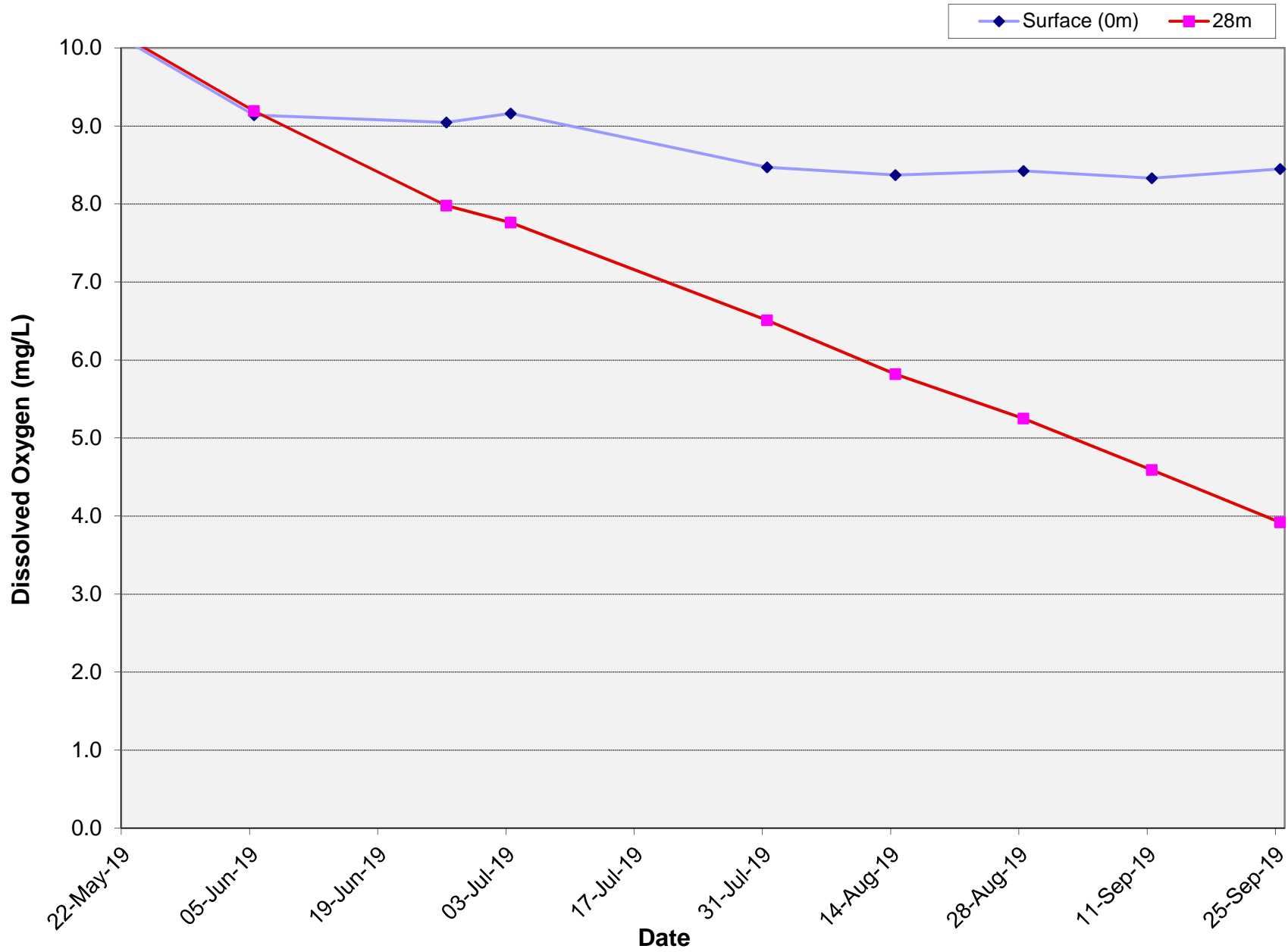
Osoyoos Lake (at Packing house) - Secchi Depth 2019



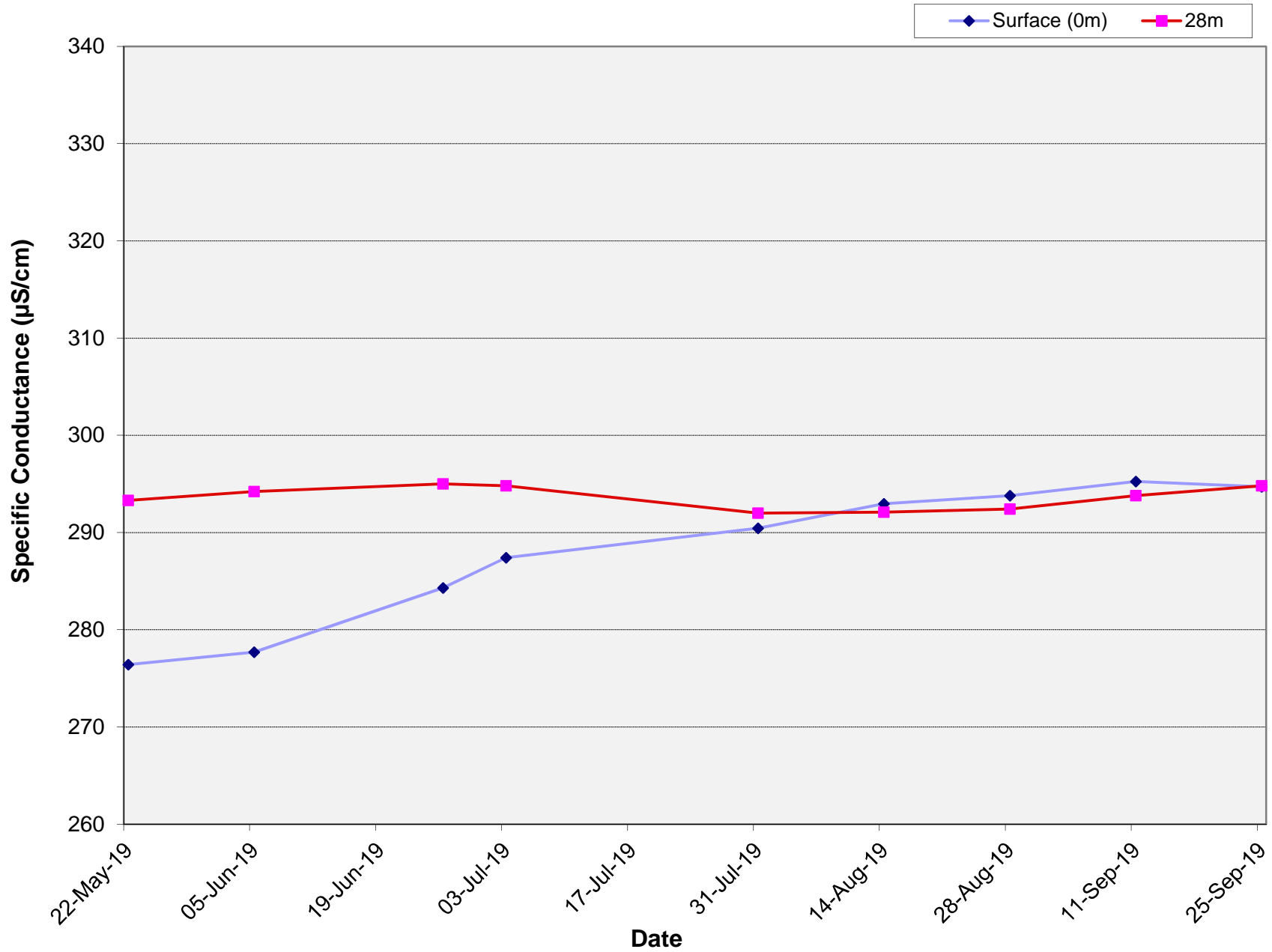
Osoyoos Lake (at Packing house) - Water Temperature 2019



Osoyoos Lake (at Packinghouse) - Dissolved Oxygen Levels 2019



Osoyoos Lake (at Packinghouse) - Specific Conductance 2019



OLWQS - PACKING HOUSE 2019

DEPTH DATA:

Depth (m)	22-May-19	5-Jun-19	26-Jun-19	3-Jul-19	31-Jul-19	14-Aug-19	28-Aug-19	11-Sep-19	25-Sep-19
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2.02	2.03	1.92	1.90	1.94	1.92	1.89	2.05	2.00	2.00
3.85	4.00	3.92	3.82	3.84	3.91	3.82	3.92	3.84	3.84
5.91	6.00	5.95	6.92	5.82	5.86	5.60	5.78	5.79	5.79
7.91	8.10	7.90	8.52	7.89	7.62	7.89	7.99	7.93	7.93
10.00	10.02	9.91	9.76	9.95	9.78	9.71	9.94	9.94	9.94
11.82	12.05	11.92	10.96	11.98	11.92	11.62	11.95	11.94	11.94
13.91	14.01	13.44	13.13	13.91	13.78	13.73	13.94	13.93	13.93
16.01	16.04	15.90	15.25	15.82	15.79	15.77	15.91	15.90	15.90
17.96	18.03	18.30	17.25	17.83	17.89	17.61	17.95	17.92	17.92
20.02	19.99	19.81	19.18	19.84	19.91	19.68	19.95	19.89	19.89
22.00	21.91	21.73	21.11	21.89	21.74	21.60	21.91	21.91	21.91
23.98	24.04	23.81	23.25	23.86	23.81	23.72	23.95	23.80	23.80
26.03	26.05	25.89	25.30	25.93	25.87	25.81	25.96	25.95	25.95
28.07	28.09	27.77	27.53	28.02	27.83	27.96	27.98	27.98	27.98

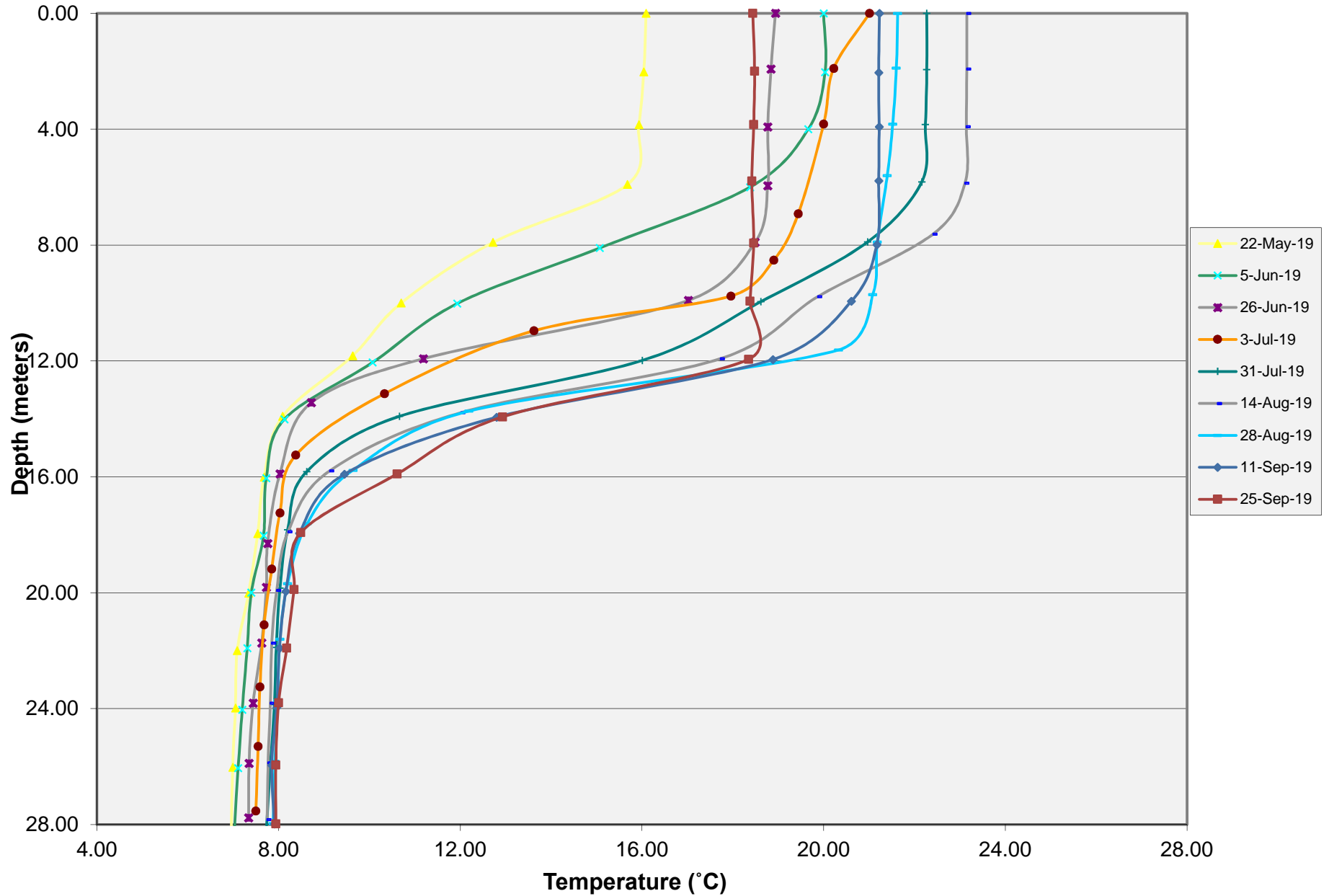
Temperature (°C)

22-May-19	5-Jun-19	26-Jun-19	3-Jul-19	31-Jul-19	14-Aug-19	28-Aug-19	11-Sep-19	25-Sep-19
16.09	20.00	18.94	21.01	22.27	23.15	21.63	21.23	18.44
16.04	20.03	18.84	20.22	22.27	23.15	21.60	21.21	18.48
15.93	19.66	18.77	20.00	22.24	23.14	21.52	21.22	18.46
15.68	18.38	18.77	19.44	22.16	23.11	21.40	21.21	18.42
12.72	15.07	18.49	18.90	20.97	22.41	21.18	21.17	18.46
10.70	11.93	17.02	17.96	18.62	19.87	21.08	20.61	18.38
9.63	10.07	11.19	13.62	16.01	17.73	20.33	18.88	18.35
8.09	8.13	8.72	10.33	10.66	12.02	12.19	12.8	12.93
7.68	7.73	8.03	8.38	8.62	9.13	9.64	9.45	10.61
7.54	7.67	7.76	8.03	8.20	8.21	8.63	8.46	8.49
7.34	7.40	7.73	7.85	8.03	7.96	8.20	8.16	8.34
7.09	7.31	7.63	7.68	7.95	7.85	8.03	8.02	8.18
7.05	7.20	7.44	7.59	7.91	7.82	7.98	7.96	8.00
6.99	7.11	7.35	7.55	7.82	7.77	7.92	7.85	7.94
6.96	7.03	7.34	7.50	7.74	7.75	7.88	7.91	7.94

Dissolved Oxygen (mg/L)

22-May-19	5-Jun-19	26-Jun-19	3-Jul-19	31-Jul-19	14-Aug-19	28-Aug-19	11-Sep-19	25-Sep-19
10.10	9.14	9.05	9.16	8.47	8.37	8.43	8.33	8.45
10.08	9.12	9.07	9.24	8.45	8.38	8.41	8.30	8.56
10.01	9.08	9.00	9.20	8.44	8.36	8.41	8.31	8.39
9.97	9.24	8.94	9.01	8.41	8.32	8.34	8.18	8.41
9.92	8.85	8.75	8.78	8.02	7.78	8.09	8.14	8.22
9.90	8.79	8.34	8.09	7.28	6.62	7.87	6.78	8.27
10.00	8.88	7.98	7.75	6.12	5.64	6.37	5.05	7.96
10.09	9.15	8.10	7.75	6.13	5.36	4.71	3.93	3.43
10.13	9.18	8.07	7.85	6.52	5.77	5.01	4.55	3.59
10.11	9.18	8.10	7.80	6.55	5.88	5.13	4.71	4.08
10.12	9.17	8.08	7.81	6.45	5.89	5.27	4.69	4.07
10.10	9.23	8.05	7.79	6.41	5.84	5.25	4.69	4.01
10.11	9.29	7.98	7.78	6.38	5.82	5.19	4.65	3.99
10.13	9.18	7.94	7.79	6.33	5.81	5.19	4.58	3.89
10.14	9.19	7.98	7.76	6.51	5.82	5.25	4.59	3.92

Osoyoos Lake (at Packinghouse) - Temperature Profiles 2019



Osoyoos Lake (at Packinghouse) - Oxygen Profiles 2019

