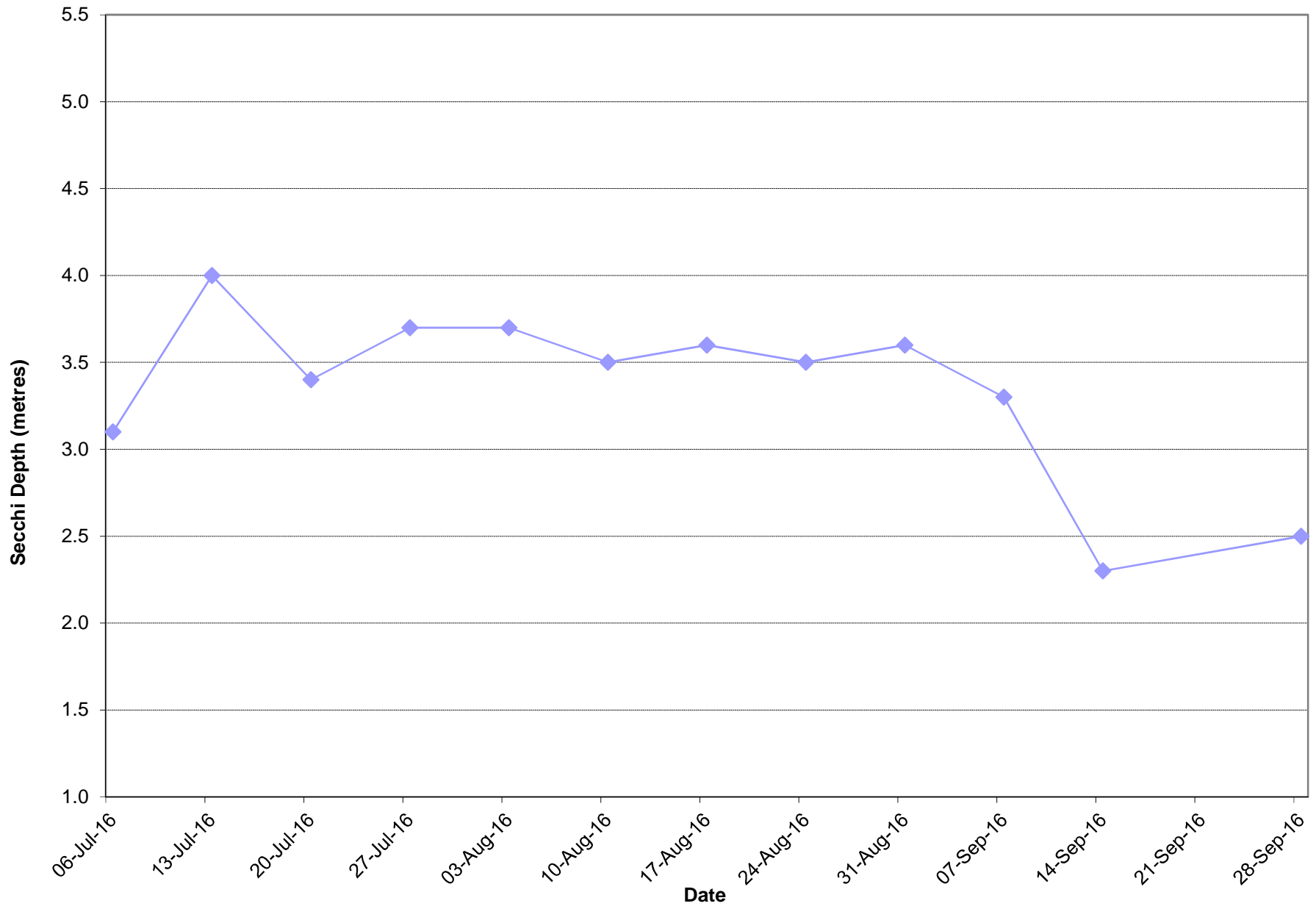


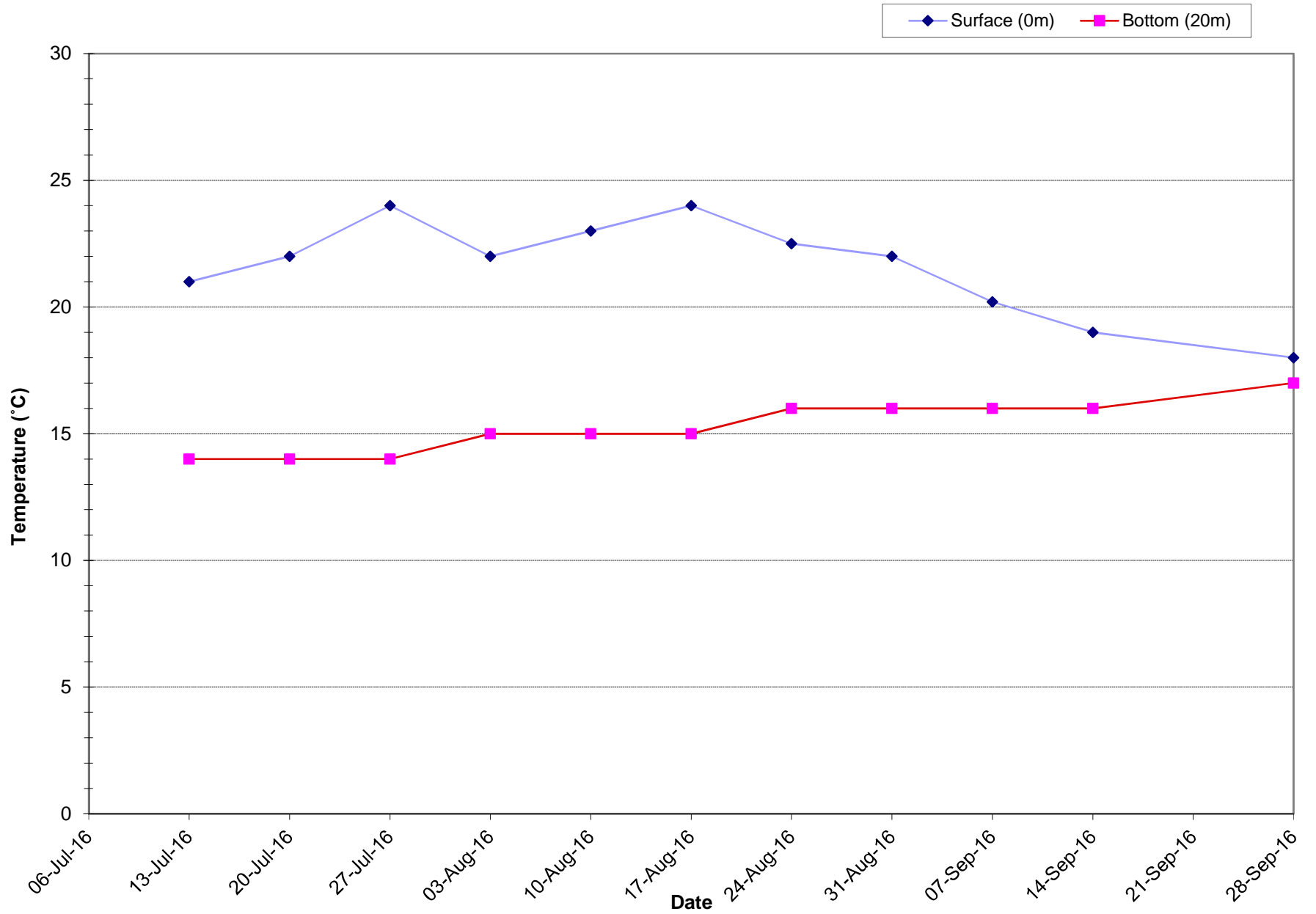
**DATA - SOUTH BASIN (Border)- 2016**

DATE	TIME	SKY CONDITION	WIND DIRECTION	WIND STRENGTH	WATER CONDITION	AIR TEMPERATURE	DEPTH (metres)	SECCHI DISC	TEMP, TOP (°C)	TEMP, BOTTOM (°C)	D.O. TOP	D.O. BOTTOM	SPEC. COND. - TOP	SPEC. COND. - BTM	pH TOP	pH BOTTOM (18m)	THERMOCLINE			NOTES	
																	DEPTH (metres)	TEMP (°C)	D.O. (ppm)		
06-Jul-16	9:00 AM	scattered	N	Light	Light ripple	22	23	3.1							8.33	7.21				D.O. meter malfunctioned at this site.	
13-Jul-16	9:00 AM	Clear	-	Calm	Calm	25	23	4.0	21	14	8.5	0.7	289	311	8.44	7.15					
20-Jul-16	9:00 AM	Clear	-	Calm	Calm		24	3.4	22	14	7.9	0.6	291	311	8.48	7.36					
27-Jul-16	9:00 AM	Clear	-	Calm	Calm	25	24	3.7	24	14	8.0	0.4	288	308	8.36	7.27					
03-Aug-16	9:00 AM	Scattered	S	Light	Light ripple	23	24	3.7	22	15	7.7	0.5	289	306	8.50	7.56				O2-T meter batt. change at 14m, values above queried.	
10-Aug-16	9:00 AM	Broken	SE	Light	Small waves	23	24	3.5	23	15	7.5	0.5	289	306						pH meter operational error	
17-Aug-16	9:00 AM	Clear	NW	Strong	Small waves	24	24	3.6	24	15	8.7	0.4	290	307	8.58	7.43					
24-Aug-16	9:00 AM	Clear	N	Light	Light ripple	21	24	3.5	23	16	7.6	0.5	291	305	8.50	7.41					
31-Aug-16	8:50 AM	Clear	S	Strong	White-tops	21	23	3.6	22	16	8.0	0.3	291	307	8.65	7.38					
07-Sep-16	9:00 AM	Broken	S	Light	Light ripple	17	24	3.3	20	16	7.3	0.4	294	307	8.38	7.43					
14-Sep-16	9:00 AM	Clear	-	Calm	Calm	17	24	2.3	19	16	7.3	0.4	297	309	8.24	7.75					
21-Sep-16																				Insufficient Crew	
28-Sep-16	8:45 AM	Broken	NW	Light	Light ripple	15	24	2.5	18	17	7.5	2.5	299	303	8.16	8.08					

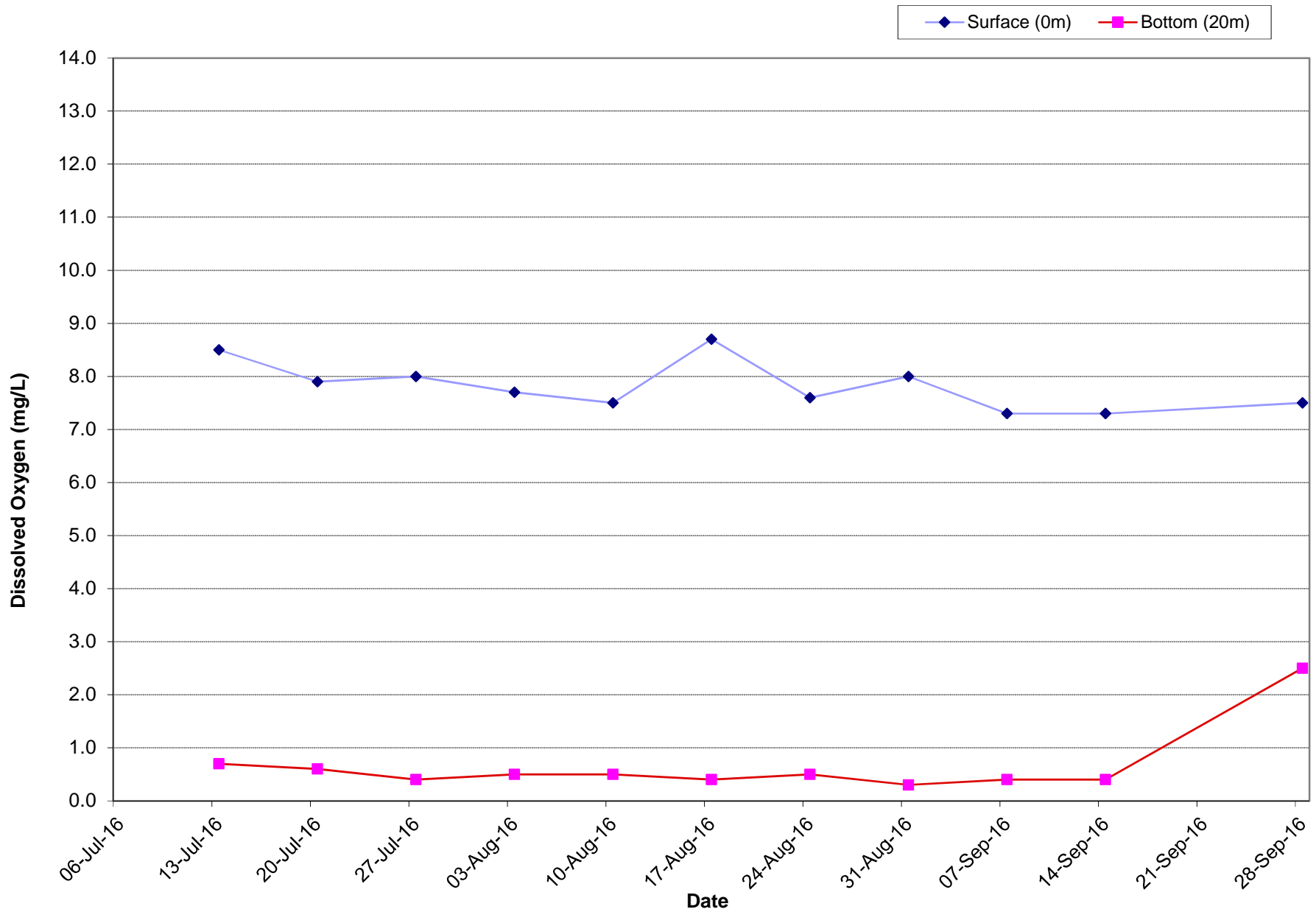
Osoyoos Lake (at South Basin) - Secchi Depth 2016



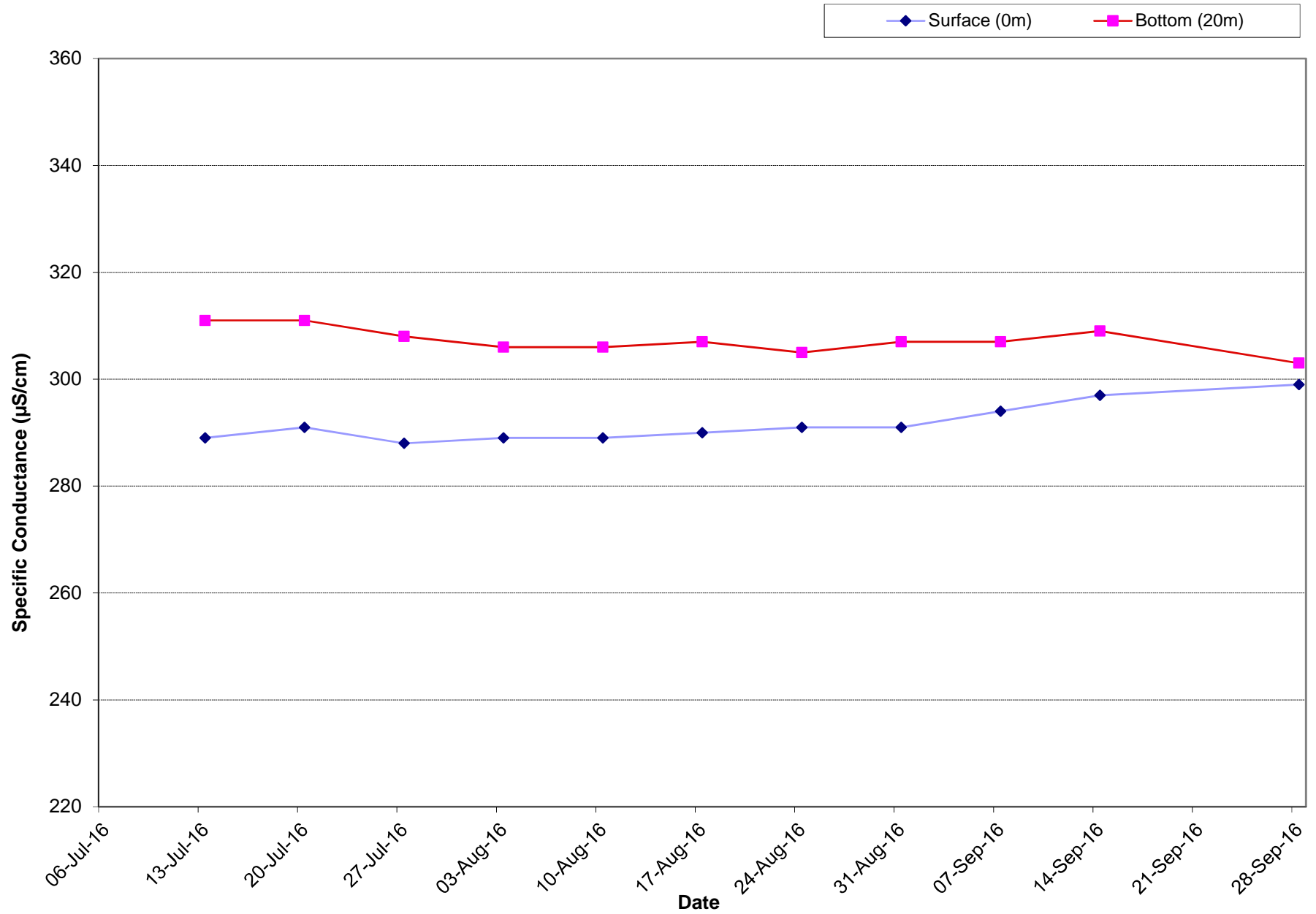
### Osoyoos Lake (at South Basin) - Water Temperature 2016



### Osoyoos Lake (at South Basin) - Dissolved Oxygen Levels 2016



### Osoyoos Lake (at South Basin) - Specific Conductance Data 2016



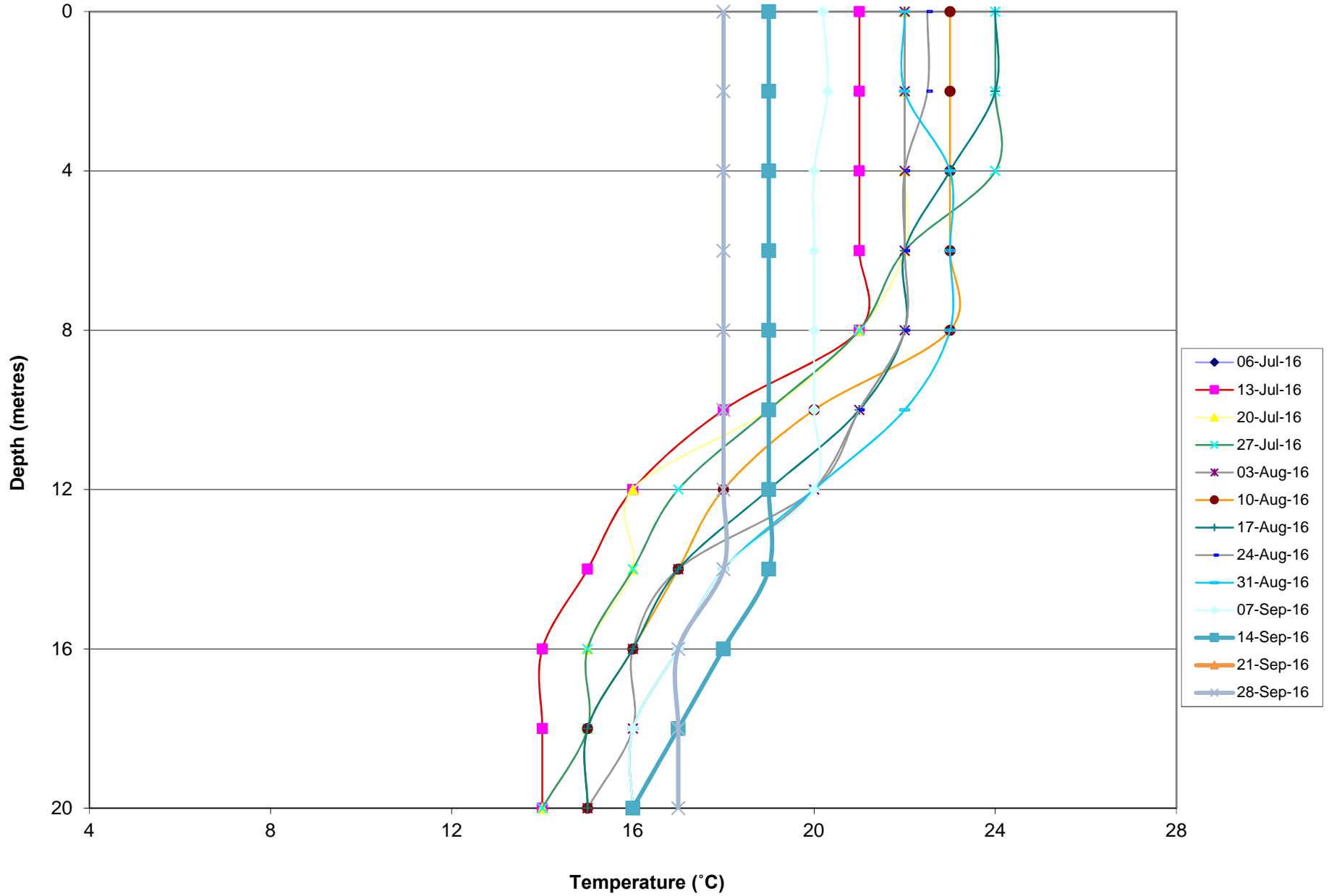
Depth (m)	Temperature (°C)					
	06-Jul-16	13-Jul-16	20-Jul-16	27-Jul-16	03-Aug-16	10-Aug-16
0		21	22	24	22	23
2		21	22	24	22	23
4		21	22	24	22	23
6		21	22	22	22	23
8		21	21	21	22	23
10		18	19	19	21	20
12		16	16	17	20	18
14		15	16	16	17	17
16		14	15	15	16	16
18		14	15	15	16	15
20		14	14	14	15	15

Depth (m)	Dissolved Oxygen (mg/L)					
	06-Jul-16	13-Jul-16	20-Jul-16	27-Jul-16	03-Aug-16	10-Aug-16
0		8.5	7.9	8.0	7.7	7.5
2		8.4	7.9	8.1	7.2	7.5
4		8.3	7.8	7.9	7.5	7.5
6		8.2	7.8	7.8	7.3	7.5
8		8.0	7.6	5.9	7.3	7.2
10		4.1	3.7	3.6	6.3	3.3
12		1.8	1.3	0.7	4.3	0.8
14		1.1	1.0	0.5	1.5	0.6
16		0.8	0.8	0.5	0.6	0.6
18		0.8	0.6	0.5	0.6	0.5
20		0.7	0.6	0.4	0.5	0.5

17-Aug-16	24-Aug-16	31-Aug-16	07-Sep-16	14-Sep-16	21-Sep-16	28-Sep-16
24	23	22	20	19		18
24	23	22	20	19		18
23	22	23	20	19		18
22	22	23	20	19		18
22	22	23	20	19		18
21	21	22	20	19		18
19	20	20	20	19		18
17	18	18	18	19		18
16	17	17	17	18		17
15	16	16	16	17		17
15	16	16	16	16		17

17-Aug-16	24-Aug-16	31-Aug-16	07-Sep-16	14-Sep-16	21-Sep-16	28-Sep-16
8.7	7.6	8.0	7.3	7.3		7.5
8.7	7.5	8.2	7.2	7.3		7.5
8.3	7.3	8.1	7.2	7.3		7.5
6.8	7.2	8.0	7.2	7.3		7.5
6.0	6.6	7.9	7.1	7.2		7.5
4.1	4.2	5.8	7.0	7.2		7.5
0.9	2.4	1.6	6.0	6.1		7.4
0.6	0.7	0.4	0.6	6.4		7.0
0.5	0.6	0.4	0.5	0.5		5.4
0.5	0.6	0.3	0.4	0.4		4.8
0.4	0.5	0.3	0.4	0.4		2.5

### Osoyoos Lake (at South Basin) - Temperature Profiles 2016





Osoyoos Lake (at South Basin) - Oxygen Profiles 2016

