

Yarkon River composition

Parameter	unit	2010		2011		2012		2013		2017
		winter	summer	winter	summer	winter	summer	winter	summer	winter
BODN	mg/l	4-16	2-26	2-32	5-10	3-21	1-2	9-17	7	3
COD	mg/l	21-63	21-104	20-60	27-42	18-38	14-21	25-31	44	20
CODF	mg/l	15-47	14-66	12-30	18-29	13-22	9-13	20-21		15
Alkalinity	mg/l as CaCO ₃	103-300	283-295	214-296	143-304			219-361	271	237
Ca	mg/l	47-78	75-83	50.5-68	42-79			77-94	78	75
Mg	mg/l	11.5-33.5	31-32	17.4-21.2	14.5-33.4					26
SO₄	mg/l	40-75	71-79	44-53	37-76					72
Hardness	mg/l	169-336	316-347	198-275	172-341					294
NH₄/N	mg/l	0.2-0.5	0.3-1	8.87-12.6	1.1-2	<2-9.7	<2	7.3-8.36		2.12
NO₂	mg/l	0.2	0.14-0.4	0.41-1.61	0.12-0.36					2.38
Iron	mg/l	0.43-1.1	1.2-706	58-4,416	687-2885	258-3326	203-308	615-1,600	869	1550
SS 105^o C	mg/l	24-120	26-86	28-551	22-104.5	19-91	22-27	16-102	20	45.5
SS 550^o C	mg/l	17-103	20-48	23-471	16-80.5	15-75	1.7-21	11-83	16	37
DO	mg/l	3.5-4.4	2.8-3	2.0-6.0	2.0-6					6.3
E. conductivity	µmho/cm	1150-1324	1320-1540	130-1,218	317-1300			931-1450	1280	1159
Oxygen saturation	%	13-113	51.7-208.5	61.89-103	46.25-102.5					
PH	unit	7.7-8.1	7.8-8.1	7.3-8.26	7.4-8.2	7.1-7.3		6.95-7.4	7.85	7.61
T	°C	13-22	23-31	14.3-18.8	17.9-27.5			13.8-20	17.8	16.2
TUFD	NTU	29-192	29-74	29.5-1,000	22.6-134	17.3-86.7	18.2-28.2	17.8-65.2	26.2	49
Tot Coliform	n/100ml	2,400-350,000	920-54,000	1,100-1,600,000	3,500-540,000	>1,600-92,000	540-9,200	1,300->160,000	5400	35000
F.Coliform	n/100ml	920-160,000	240->16,000	1,300-240,000	79-220,000	>1,600-5,400	70-3,500	130-160,000	700	5400
CHLOROPHYL	µg/l	6.7-21	16.8-200	<0.05-70.4	9.8-116.8	1.6-28.4	13.4-63	1.1-14.2	13.5	
TS 105^o C	mg/l	446-798	798-904	502-606	438-810					676
TS 550^o C	mg/l	228-640	670-750	372-470	324-668					579
TOC	mg/l	6.5-22	6.2-29	9.2-20.6	6-12.2	4.9-10.6	3.7-7.6	6.7-8.3	8	5.6
DOC	mg/l	5.4-17	5.6-22	4.6-8.7	5.7-9.2	5.3-8.1		5.8-7	6.9	4.8
UV abs. At 254	NM/CM*1000	148-349	160-230	197-243	144-238			146-196	174	116
Detergents as LAS	µg/l	100-190	100-160	110-180	100-150	<100-170				< 100
Oil and Grease	µg/l	300	<300	300-430	<300-360	<300-555				< 300
Color	Pl.Co units	32-46	5-40	32-44	28-54			30-32	30	45
ALGAE TOTAL	A/ml	280-2,200	168-8,500	0-822	241-816	0-802	579-3272	0-185	346	
TOTAL ORGANISMS	n/ml	1,300-6,700	1,300-9,000	0-1,386	431-2,226	0-1,413	1,361-11,547	0-520	933	0

winter	nov- mar
summer	apr - oct