

Table S1: Volumes of seawater used for desalination, brine production, seawater used for dilution and final effluent (in m³/day) and their respective conductivities ($\mu\text{S}/\text{cm}^{-1}$). Monthly average values from 2012 to 2018.

Year	Month	Volume of seawater (m ³ /day)	Seawater conductivity ($\mu\text{S}/\text{cm}^{-1}$)	Brine (m ³ /day)	Brine conductivity ($\mu\text{S}/\text{cm}^{-1}$)	Dilution water (m ³ /day)	Dilution water conductivity ($\mu\text{S}/\text{cm}^{-1}$)	Final effluent (m ³ /day)	Final effluent conductivity ($\mu\text{S}/\text{cm}^{-1}$)
2012	1	28606	59070	7484	87977	39226	59070	43089	60690
2012	2	83243	59529	39655	89528	260829	59529	300483	61700
2012	3	138626	58650	69435	90561	265322	58650	334757	61619
2012	4	132037	58175	69737	md	524727	58175	594464	md
2012	5	158200	57285	84119	md	499886	57285	584005	md
2012	6	147506	57428	83478	md	261377	57428	344855	md
2012	7	231636	58758	129315	md	365563	58758	494878	md
2012	8	219588	59525	106163	md	237714	59525	343877	md
2012	9	186579	59700	109301	md	233177	59700	342478	md
2012	10	144360	59400	92679	md	238620	59400	331299	md
2012	11	63952	58670	32441	md	75600	58670	108041	md
2012	12	99790	58729	53994	91490	136955	58729	190948	61935
2013	1	125400	60158	75502	94071	192030	60158	267531	64019
2013	2	102757	59192	61920	91432	225754	59192	263486	62050
2013	3	33718	60867	8945	93911	55750	60867	64695	61371
2013	4	43975	58883	6000	94543	51728	58883	57728	61500
2013	5	49774	58755	7731	92978	44865	58755	52346	62133
2013	6	50007	60289	8920	95389	71316	60289	73104	62244
2013	7	39667	59387	7290	93700	64138	59387	71428	62211
2013	8	41673	59494	7154	90357	73841	59494	80995	61700
2013	9	45106	58723	8328	92370	68516	58723	76844	60170

2013	10	45527	57300	5982	89900	27317	57300	33300	59361
2013	11	47930	58150	6352	93538	12071	58150	18021	62750
2013	12	48049	58250	7577	93538	52971	58250	60548	62342
2014	1	44263	58588	6832	92638	51197	58588	58029	60100
2014	2	54190	58175	7901	93400	50717	58175	58618	59386
2014	3	46295	58860	7497	92940	58796	58860	66051	58994
2014	4	46277	61167	7223	92950	43432	61167	50655	62133
2014	5	50157	59100	9556	92233	57615	59100	67171	60297
2014	6	25936	58579	10485	92736	58316	58579	68801	59477
2014	7	57696	58742	21791	94374	90437	58742	112229	61152
2014	8	99557	60864	25316	94173	151343	60864	176659	64729
2014	9	42280	60923	17945	95969	175680	60923	193625	62415
2014	10	46321	61177	17203	95630	96341	61177	113544	62300
2014	11	48822	58600	24447	92529	93696	58600	115840	59921
2014	12	46084	59868	24747	93846	82173	59868	106920	60623
2015	1	43546	60915	23594	94277	96341	60915	119935	62052
2015	2	44880	60900	24777	94967	96206	60900	120983	62611
2015	3	46906	62079	25900	96421	97285	62079	123185	64532
2015	4	44387	61867	23955	96500	93696	61867	117651	62342
2015	5	46643	60937	24655	96964	100119	60937	124774	62800
2015	6	50156	60808	25143	94923	88816	60808	113959	64050
2015	7	46100	57567	23817	92242	92563	57567	116380	61597
2015	8	133219	57174	72806	91971	175680	57174	248486	64461
2015	9	133012	56613	70789	90893	175680	56613	246469	63207
2015	10	118300	56670	60691	91013	175680	56670	236371	61855
2015	11	95147	57077	51320	89763	175680	57077	219807	61740

2015	12	63916	57789	28267	91489	175680	57789	203947	59074
2016	1	50570	56200	24103	90136	175680	56200	199783	60016
2016	2	47987	56642	23917	90633	175680	56642	199597	59338
2016	3	70835	57146	37860	92686	175680	57146	213540	61761
2016	4	94548	56390	52044	92183	175680	56390	227724	61213
2016	5	124374	56319	67927	93574	175680	56319	243607	63316
2016	6	146087	58474	81059	95819	189600	58474	270659	62107
2016	7	181320	59101	99540	93464	221481	59101	321021	62120
2016	8	218400	59087	119576	94884	259200	59087	378776	64739
2016	9	176716	58500	96243	93343	259200	58500	355443	64040
2016	10	95223	58284	52631	92794	259200	58284	311831	62174
2016	11	96335	57747	44855	93593	163680	57747	208535	61420
2016	12	78286	57000	33373	91875	163680	57000	197053	61823
2017	1	90216	57438	47184	90719	163680	57438	210864	58055
2017	2	81728	57200	31800	91327	116914	57200	148715	59970
2017	3	121897	56105	53448	89948	121440	56105	174888	59091
2017	4	145350	56013	82024	90193	170657	56013	252681	59623
2017	5	136087	56132	74514	87581	184083	56132	252658	60587
2017	6	174697	56927	96648	91990	201241	56927	297890	63363
2017	7	212295	57177	107804	92168	220512	57177	327810	62310
2017	8	176228	55955	114540	91939	224740	55955	339280	61752
2017	9	181655	56130	86934	91930	215038	56130	301972	62263
2017	10	156930	56132	86702	90829	189495	56132	276197	64048
2017	11	137305	56053	76536	90473	174650	56053	251186	63193
2017	12	109381	57506	84392	93219	177468	57506	261861	65190
2018	1	171491	58577	94937	90120	147000	58577	282824	66717

2018	2	163646	55661	91649	86686	195196	55661	286845	63704
2018	3	194330	55752	106025	86042	211018	55752	317043	62471
2018	4	209650	55710	116975	88241	297434	55710	414409	62287
2018	5	195677	55614	101604	86240	382181	55614	483785	60642
2018	6	203089	56528	110671	88147	371580	56528	482251	61287
2018	7	162654	56557	86096	87842	195150	56557	281246	63287
2018	8	189403	56265	93841	88713	198101	56265	291941	65171
2018	9	140370	56190	75876	88273	182045	56190	257920	64107
2018	10	98968	57103	49211	89697	164712	57103	213924	63281
2018	11	89434	57120	47771	87763	170347	57120	218118	61793
2018	12	104182	57648	51150	90187	168039	57648	219189	62926