



**PROGRAMA DE VIGILANCIA AMBIENTAL DEL VERTIDO AL
MAR DE LA SALMUERA PROCEDENTE DE LAS PLANTAS
DESALINIZADORAS I Y II DEL NUEVO CANAL DE
CARTAGENA EN SAN PEDRO DEL PINATAR:**

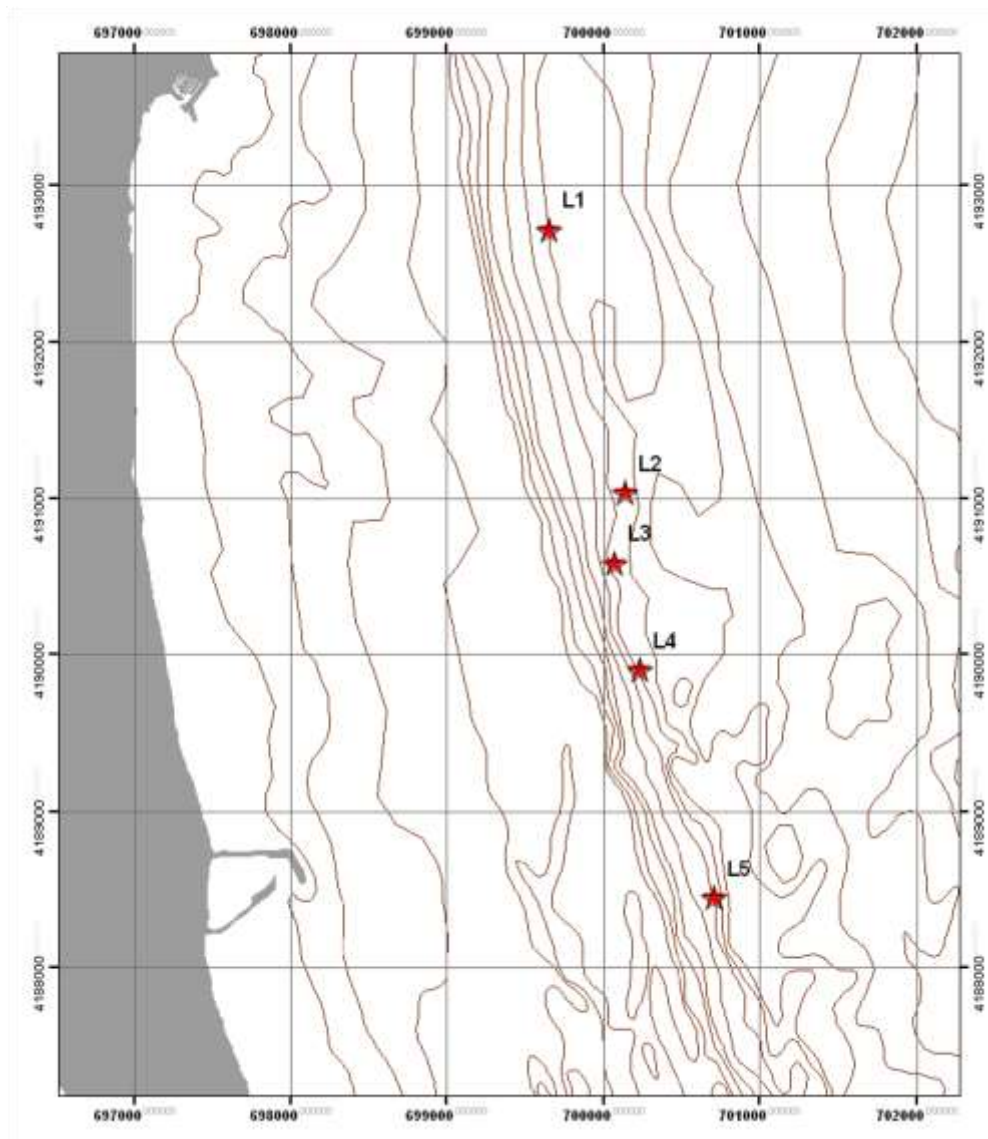
Primer informe trimestral desde abril hasta junio de 2020

VALORACIÓN: Los valores de salinidad registrados son normales y similares en todas las estaciones por lo que el vertido de las desalinizadoras no alcanza el límite inferior de las praderas de *Posidonia oceanica*.



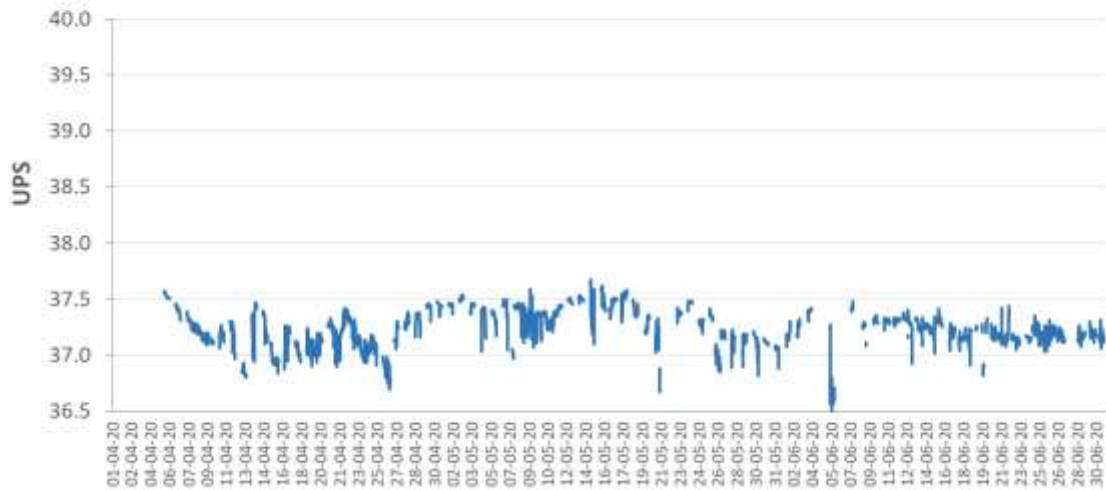
Control de salinidad y temperatura en las aguas receptoras.

La figura siguiente indica la posición de los sensores de registro de salinidad y temperatura situados aproximadamente a 26 m de profundidad. Además, existen otros equipos en las arquetas del vertido.



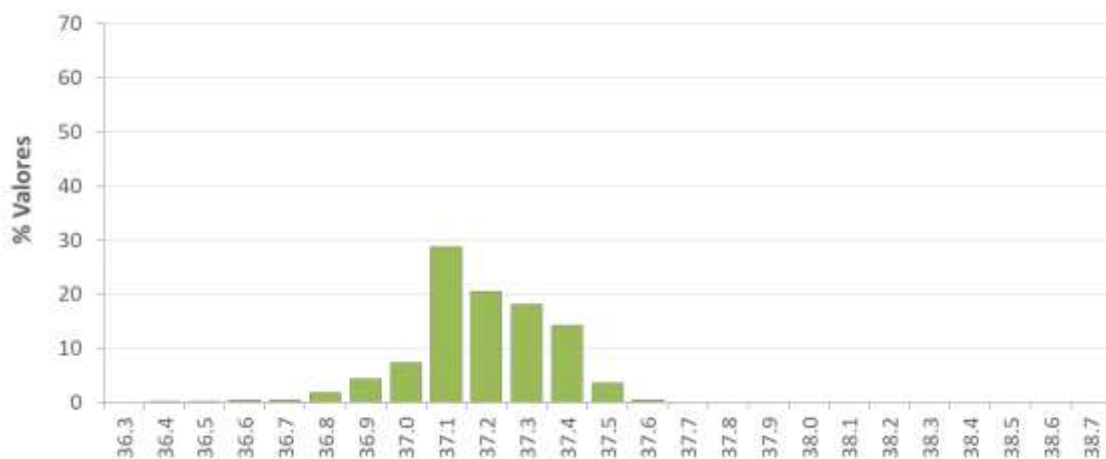


Salinidad Localidad 1. Abril - Junio 2020



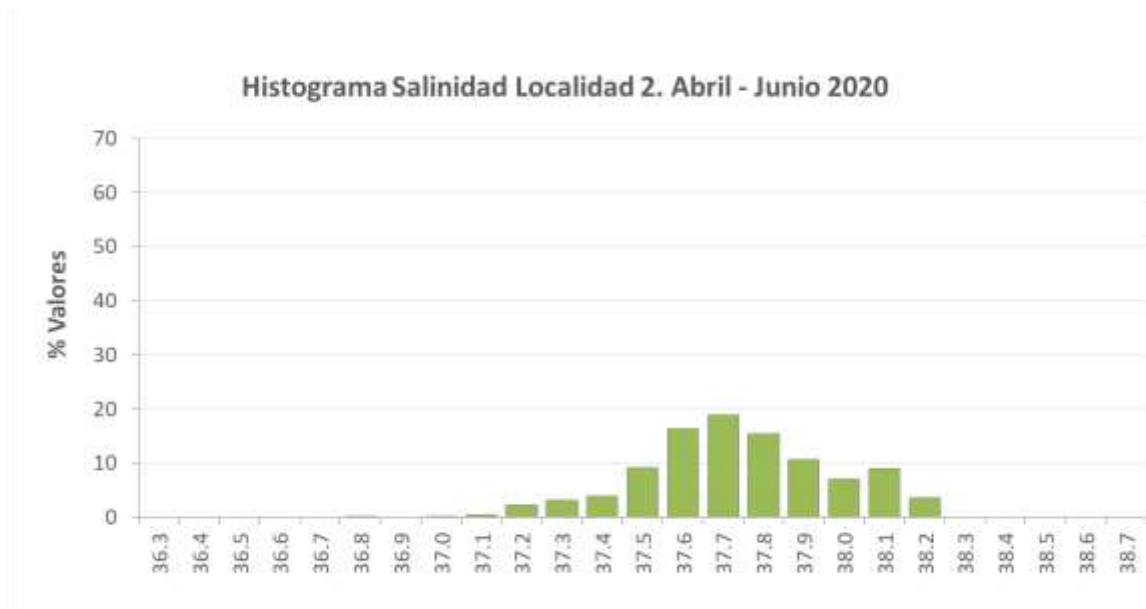
Máximo	Mínimo	Promedio
37.68	36.67	37.26

Histograma Salinidad Localidad 1. Abril - Junio 2020



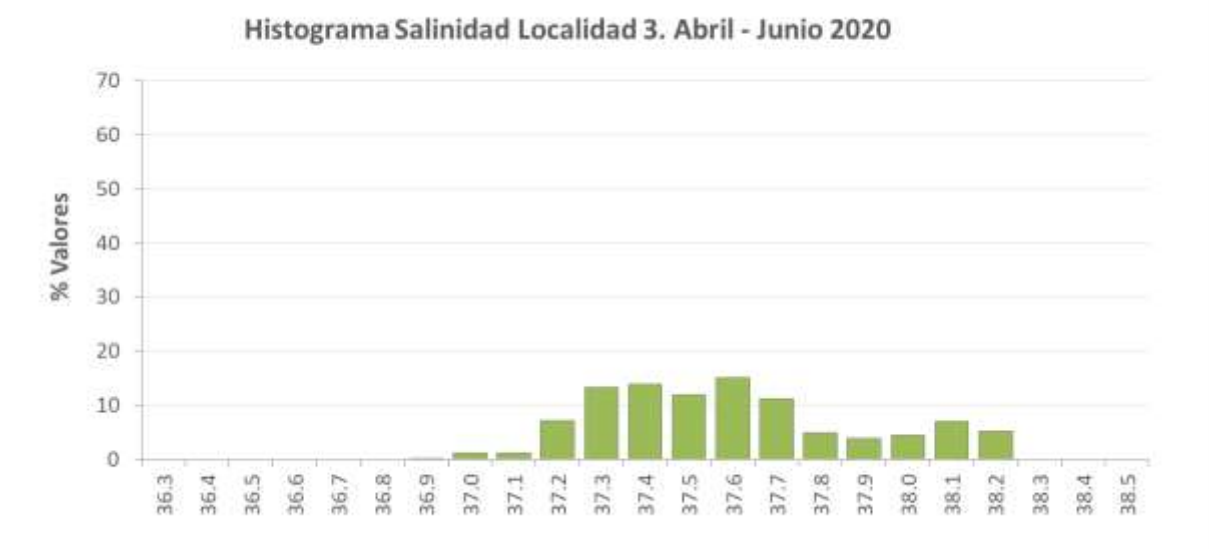


Máximo	Mínimo	Promedio
38.25	36.90	37.79



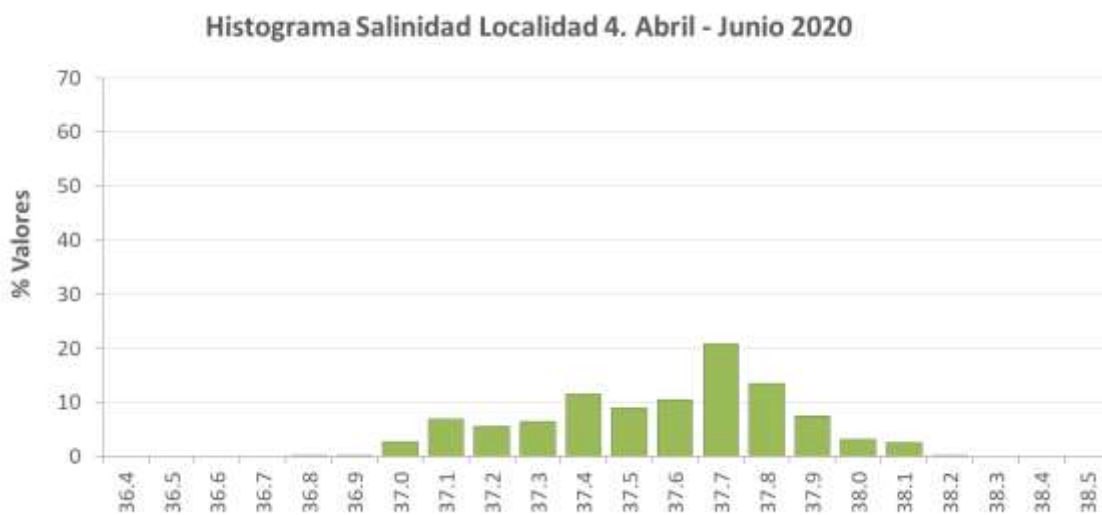


Máximo	Mínimo	Promedio
38.29	37.00	37.87



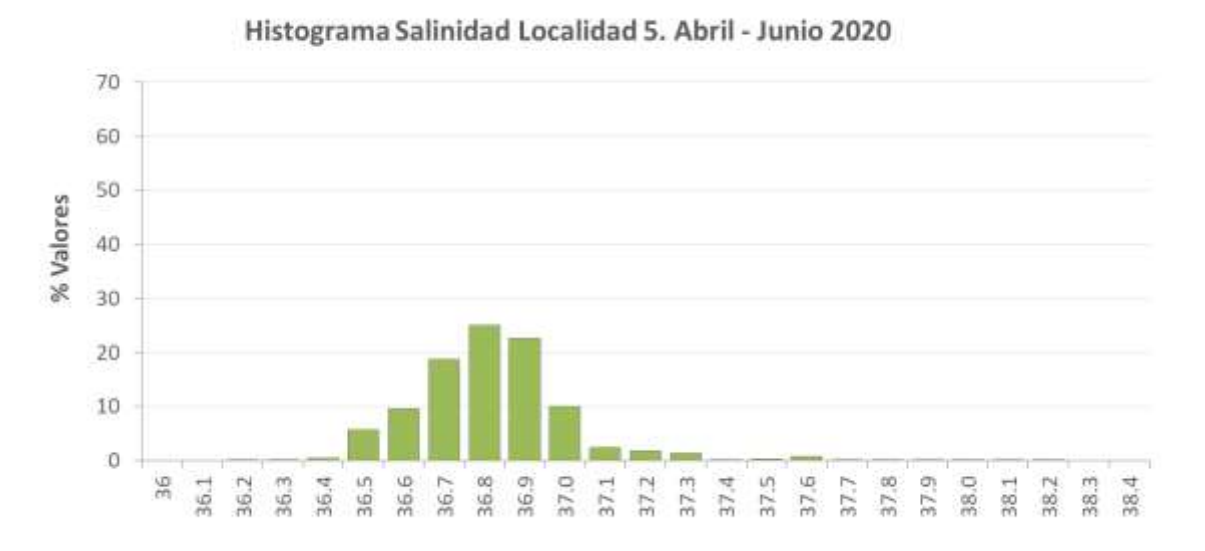


Máximo	Mínimo	Promedio
38.23	36.85	37.62



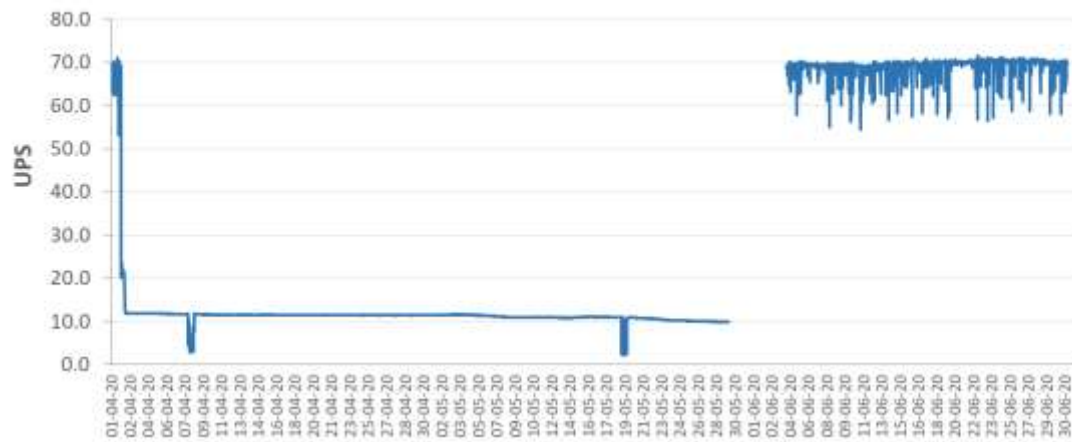


Máximo	Mínimo	Promedio
38.27	36.32	36.94

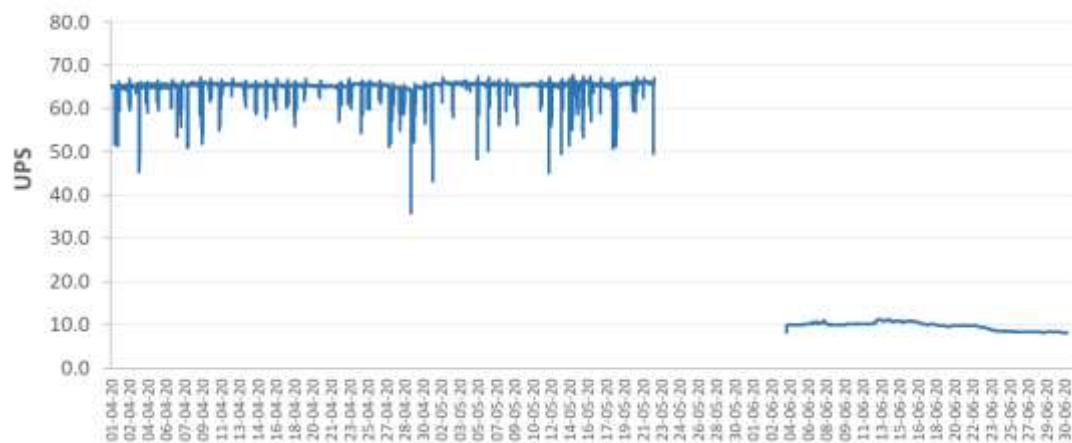




Salinidad Arqueta 1. Abril - Junio 2020



Salinidad Arqueta 2. Abril - Junio 2020

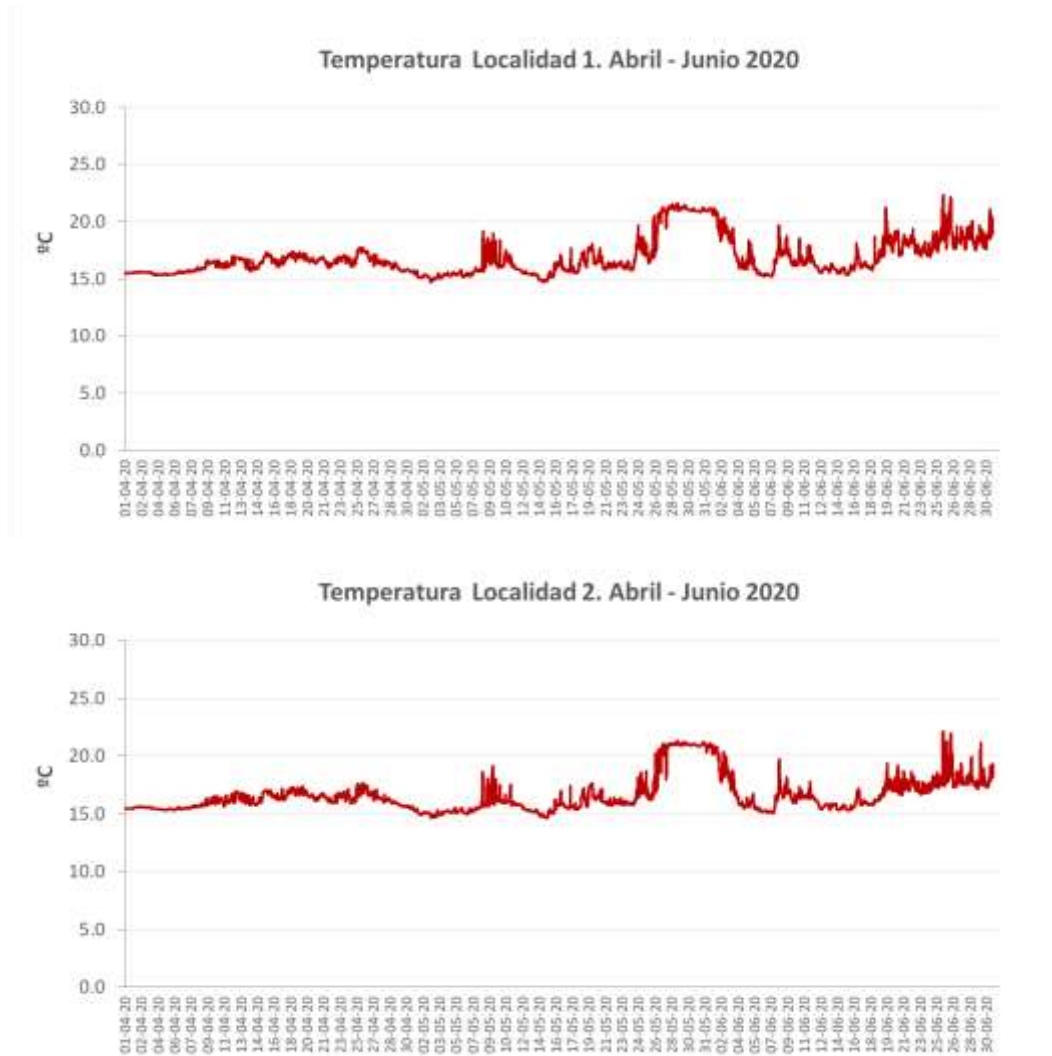


Salinidad Arqueta Conjunta. Abril - Junio 2020





GRÁFICAS DE TEMPERATURA EN LAS DISTINTAS LOCALIDADES DE CONTROL





Temperatura Localidad 3. Abril - Junio 2020



Temperatura Localidad 4. Abril - Junio 2020



Temperatura Localidad 5. Abril - Junio 2020





DESALINIZADORA ANTONIO LEÓN MARTÍNEZ CAMPOS

Caudales vertidos: Las tablas siguientes presentan los caudales de agua captados, producidos y vertidos durante los meses de enero, febrero y marzo de 2020 por las desalinizadoras de San Pedro I y II.

San Pedro I	VOLUMEN DE AGUA CAPTADA (m³/d)	VOLUMEN DE AGUA PRODUCTO (m³/d)	VOLUMEN DE AGUA RECHAZO (m³/d)
2020/04/01	113,079	55,872	57,207
2020/04/02	114,250	56,451	57,799
2020/04/03	117,342	57,825	59,517
2020/04/04	116,609	57,464	59,145
2020/04/05	113,818	56,301	57,517
2020/04/06	114,141	56,394	57,747
2020/04/07	117,528	58,408	59,120
2020/04/08	48,286	23,738	24,548
2020/04/09	111,539	55,416	56,123
2020/04/10	131,254	65,042	66,212
2020/04/11	131,631	65,306	66,325
2020/04/12	126,182	63,655	62,527
2020/04/13	131,135	64,018	67,117
2020/04/14	129,850	64,236	65,614
2020/04/15	129,063	64,225	64,838
2020/04/16	130,452	64,622	65,830
2020/04/17	130,671	65,126	65,545
2020/04/18	127,666	63,462	64,204
2020/04/19	130,708	65,015	65,693
2020/04/20	132,254	66,857	65,397
2020/04/21	130,674	63,976	66,698
2020/04/22	130,434	64,952	65,482
2020/04/23	129,121	64,349	64,772
2020/04/24	121,561	60,527	61,034
2020/04/25	130,251	65,110	65,141
2020/04/26	129,450	64,414	65,036
2020/04/27	130,404	65,274	65,130
2020/04/28	131,509	65,537	65,972
2020/04/29	128,564	63,949	64,615
2020/04/30	128,683	63,930	64,753
TOTAL	3,688,109.00	1,856,658.00	1,831,451.00



San Pedro I	VOLUMEN DE AGUA CAPTADA (m³/d)	VOLUMEN DE AGUA PRODUCTO (m³/d)	VOLUMEN DE AGUA RECHAZO (m³/d)
2020/05/01	132,976	65,694	67,282
2020/05/02	127,773	63,197	64,576
2020/05/03	131,353	65,082	66,271
2020/05/04	126,471	62,087	64,384
2020/05/05	134,030	65,768	68,262
2020/05/06	127,633	62,972	64,661
2020/05/07	129,672	63,930	65,742
2020/05/08	132,374	65,385	66,989
2020/05/09	124,581	61,700	62,881
2020/05/10	132,390	65,759	66,631
2020/05/11	124,228	61,642	62,586
2020/05/12	131,020	64,903	66,117
2020/05/13	128,097	63,027	65,070
2020/05/14	129,622	64,205	65,417
2020/05/15	123,572	60,835	62,737
2020/05/16	119,334	58,845	60,489
2020/05/17	122,827	60,752	62,075
2020/05/18	115,795	57,263	58,532
2020/05/19	45,393	22,385	23,008
2020/05/20	114,317	56,585	57,732
2020/05/21	136,459	67,612	68,847
2020/05/22	135,022	67,040	67,982
2020/05/23	145,621	72,421	73,200
2020/05/24	140,902	70,438	70,464
2020/05/25	132,255	65,851	66,404
2020/05/26	130,113	64,830	65,283
2020/05/27	130,685	64,998	65,687
2020/05/28	131,345	65,165	66,180
2020/05/29	130,173	64,468	65,705
2020/05/30	131,403	64,940	66,463
2020/05/31	129,163	64,145	65,018
TOTAL	3,926,599.00	1,982,675.00	1,943,924.00



San Pedro I	VOLUMEN DE AGUA CAPTADA (m³/d)	VOLUMEN DE AGUA PRODUCTO (m³/d)	VOLUMEN DE AGUA RECHAZO (m³/d)
2020/06/01	131,348	65,051	66,297
2020/06/02	126,735	62,768	63,967
2020/06/03	133,075	65,934	67,141
2020/06/04	134,000	66,380	67,620
2020/06/05	134,949	66,901	68,048
2020/06/06	138,602	68,779	69,823
2020/06/07	141,528	70,006	71,522
2020/06/08	130,448	64,452	65,996
2020/06/09	134,737	66,405	68,332
2020/06/10	132,499	65,132	67,367
2020/06/11	137,364	68,013	69,351
2020/06/12	131,509	64,980	66,529
2020/06/13	132,719	65,467	67,252
2020/06/14	130,723	64,435	66,288
2020/06/15	132,368	64,954	67,414
2020/06/16	130,529	64,408	66,121
2020/06/17	131,717	64,886	66,831
2020/06/18	134,345	66,372	67,973
2020/06/19	131,283	64,966	66,317
2020/06/20	135,773	67,336	68,437
2020/06/21	129,814	64,439	65,375
2020/06/22	134,379	66,969	67,410
2020/06/23	133,292	66,413	66,879
2020/06/24	131,477	65,393	66,084
2020/06/25	132,192	65,685	66,507
2020/06/26	137,673	68,403	69,270
2020/06/27	136,392	68,044	68,348
2020/06/28	141,513	70,498	71,015
2020/06/29	133,934	66,050	67,884
2020/06/30	135,741	67,239	68,502
TOTAL	4,012,658.00	2,025,900.00	1,986,758.00



DESALINIZADORA DEL NUEVO CANAL DE CARTAGENA II

San Pedro II	VOLUMEN DE AGUA CAPTADA (m³/d)	VOLUMEN DE AGUA PRODUCTO (m³/d)	VOLUMEN DE AGUA RECHAZO (m³/d)
2020/04/01	52,508	22,667	29,841
2020/04/02	49,884	21,725	28,159
2020/04/03	49,672	22,269	27,403
2020/04/04	49,977	21,669	28,308
2020/04/05	49,919	21,981	27,983
2020/04/06	49,717	21,419	28,298
2020/04/07	51,018	23,576	27,442
2020/04/08	72,042	30,564	41,478
2020/04/09	70,128	32,494	37,634
2020/04/10	49,404	21,897	27,507
2020/04/11	49,817	21,842	27,975
2020/04/12	49,635	24,884	24,751
2020/04/13	49,899	21,557	28,342
2020/04/14	49,835	18,666	31,169
2020/04/15	50,127	21,844	28,283
2020/04/16	49,883	21,903	27,980
2020/04/17	50,752	22,263	28,489
2020/04/18	49,626	21,787	27,839
2020/04/19	49,194	21,864	27,330
2020/04/20	49,158	20,970	28,188
2020/04/21	49,144	22,164	26,980
2020/04/22	49,471	21,360	28,111
2020/04/23	49,481	22,090	27,391
2020/04/24	49,569	22,701	26,868
2020/04/25	49,228	21,829	27,399
2020/04/26	49,482	21,993	27,489
2020/04/27	52,437	22,582	29,855
2020/04/28	50,158	21,779	28,379
2020/04/29	49,977	21,075	28,902
2020/04/30	49,473	21,391	28,082
TOTAL	1,540,615.00	863,855.00	676,805.00



San Pedro II	VOLUMEN DE AGUA CAPTADA (m³/d)	VOLUMEN DE AGUA PRODUCTO (m³/d)	VOLUMEN DE AGUA RECHAZO (m³/d)
2020/05/01	98,733	22,086	76,647
2020/05/02	49,157	21,842	27,315
2020/05/03	67,180	29,415	37,765
2020/05/04	81,457	36,777	44,680
2020/05/05	81,861	36,740	45,121
2020/05/06	81,719	35,634	46,085
2020/05/07	82,009	37,114	44,895
2020/05/08	81,764	35,947	45,817
2020/05/09	81,169	37,348	43,821
2020/05/10	81,010	36,309	44,701
2020/05/11	81,554	35,964	45,590
2020/05/12	82,031	37,836	44,195
2020/05/13	81,683	34,991	46,692
2020/05/14	81,772	36,978	44,794
2020/05/15	82,902	35,791	47,111
2020/05/16	82,107	36,506	45,601
2020/05/17	81,699	36,624	45,075
2020/05/18	73,798	31,451	42,347
2020/05/19	82,083	37,819	44,264
2020/05/20	91,236	39,451	51,785
2020/05/21	97,813	44,753	53,060
2020/05/22	97,817	44,790	53,027
2020/05/23	97,394	44,553	52,841
2020/05/24	97,789	44,082	53,707
2020/05/25	92,022	39,422	52,600
2020/05/26	100,134	43,724	56,410
2020/05/27	98,359	43,608	54,751
2020/05/28	96,731	43,021	53,710
2020/05/29	123,996	55,345	68,651
2020/05/30	146,109	64,236	81,873
2020/05/31	135,950	65,397	70,553
TOTAL	2,791,038.00	1,565,484.00	1,225,554.00



San Pedro II	VOLUMEN DE AGUA CAPTADA (m³/d)	VOLUMEN DE AGUA PRODUCTO (m³/d)	VOLUMEN DE AGUA RECHAZO (m³/d)
2020/06/01	144,974	63,609	81,365
2020/06/02	146,041	66,357	79,684
2020/06/03	144,917	63,867	81,050
2020/06/04	145,098	66,766	78,332
2020/06/05	137,538	61,475	76,063
2020/06/06	121,498	55,596	65,902
2020/06/07	114,817	50,599	64,218
2020/06/08	114,383	51,578	62,805
2020/06/09	114,273	50,799	63,474
2020/06/10	113,823	50,924	62,899
2020/06/11	114,069	51,620	62,449
2020/06/12	114,671	51,045	63,626
2020/06/13	131,268	59,841	71,427
2020/06/14	141,626	66,128	75,498
2020/06/15	146,058	65,211	80,847
2020/06/16	146,397	64,897	81,500
2020/06/17	146,464	65,359	81,105
2020/06/18	145,109	62,612	82,497
2020/06/19	144,432	67,460	76,972
2020/06/20	145,307	62,681	82,626
2020/06/21	145,555	69,129	76,426
2020/06/22	144,169	63,371	80,798
2020/06/23	142,949	64,182	78,767
2020/06/24	147,584	65,572	82,012
2020/06/25	145,077	64,392	80,685
2020/06/26	145,839	65,277	80,562
2020/06/27	146,762	65,895	80,867
2020/06/28	149,913	66,872	83,041
2020/06/29	150,019	68,397	81,622
2020/06/30	148,271	65,751	82,520
TOTAL	4,138,901.00	1,857,262.00	2,281,639.00



RESULTADOS DEL ANÁLISIS DE SALMUERA TOMADA EN LA ARQUETA DE LA IDAM

Los análisis fueron realizados siguiendo los procedimientos establecidos en el
“*Standard Methods for the examination of water*”.

	Abril	Mayo	Junio
Sólidos en Suspensión (mg/L)			6
DBO (mg/L)			<0.5
DQO (mg/L)			<5
pH (Ud. pH)			7.67
Nitrógeno Total (mg/L)			0.34
Fósforo Total (µg/L)			105
Temperatura			23.57
Salinidad (ups)			65.45
Detergentes (mg/L LAS)			<0.1
Hierro (µg/L)			8.7
Níquel (µg/L)			1.0
Cobre (µg/L)			3.3
Cloro residual total (mg/L)			0.1