

Appendix A

Table A1. Descriptive statistics of shoreline change indicators by zone (Period: 1957–2024).

1957-2024, Arenas – Malvarrosa - Patacona										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	0.962	1.16	0.581	206.93	-0.46	1.94	2.4	0.6	1.395	0.795
LRR	0.877	1.07	0.594	188.58	-0.56	2.03	2.59	0.425	1.325	0.9
NSM	58.422	66.63	34.092	12560.8	-30.96	100.9	131.86	40.045	86.46	46.415
SCE	76.313	90	25.141	16407.3	19.57	101.83	82.26	57.05	97.135	40.085
WLR	0.812	0.91	0.582	174.62	-0.56	3.33	3.89	0.36	1.2	0.84
1957-2024, Port Saplaya										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.25	-0.29	0.377	-42.76	-1.53	0.9	2.43	-0.52	-0.04	0.48
LRR	-0.274	-0.29	0.338	-46.92	-1.31	0.76	2.07	-0.515	-0.07	0.445
NSM	-16.155	-19.34	23.882	-2762.5	-52.41	60.1	112.51	-35.23	-2.82	32.41
SCE	47.633	50.5	13.637	8145.15	18.68	95.76	77.08	39.24	55.42	16.18
WLR	-0.238	-0.29	0.323	-40.72	-0.98	1	1.98	-0.445	-0.06	0.385
1957-2024, Pobra de Farnals										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.709	-0.82	0.445	-67.39	-2.18	0.57	2.75	-0.99	-0.545	0.445
LRR	-0.57	-0.67	0.433	-54.16	-1.28	0.51	1.79	-0.84	-0.335	0.505
NSM	-43.989	-54.13	28.791	-4178.96	-80.28	37.84	118.12	-66.205	-24.255	41.95
SCE	68.882	72.9	17.316	6543.77	7.79	98.33	90.54	54.685	81.69	27.005
WLR	-0.388	-0.5	0.464	-36.84	-1.2	0.78	1.98	-0.635	-0.205	0.43
1957-2024, Puzol										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.271	-0.155	0.492	-82.94	-1.49	1.17	2.66	-0.64	0.06	0.7
LRR	-0.23	-0.155	0.473	-70.34	-1.26	1.43	2.69	-0.56	0.08	0.64
NSM	-18.361	-9.28	32.744	-5618.53	-100.47	78.83	179.3	-43.27	3.39	46.66
SCE	51.295	48.115	22.837	15696.3	7.16	100.47	93.31	31.85	66.87	35.02
WLR	-0.194	-0.12	0.453	-59.41	-1.19	1.68	2.87	-0.46	0.08	0.54
1957-2024, Marjal dels Moros										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.004	-0.02	0.525	-0.88	-0.88	2.25	3.13	-0.34	0.31	0.65
LRR	0.031	0.09	0.532	6.57	-1.07	2.25	3.32	-0.26	0.33	0.59
NSM	-2.367	-1.06	31.239	-504.22	-59.74	98.29	158.03	-22.96	19.72	42.68
SCE	33.948	28.09	17.093	7230.89	8.44	98.29	89.85	21.86	41.62	19.76
WLR	-0.007	0.06	0.56	-1.39	-1.59	2.25	3.84	-0.36	0.28	0.64

Table A2. Descriptive statistics of shoreline change indicators by zone (Period: 1997–2024).

1997-2024, Arenas – Malvarrosa - Patacona										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.396	-0.38	0.620	-77.19	-1.86	2.02	3.88	-0.845	0	0.845
LRR	-1.468	-1.51	0.750	-286.33	-3.4	2.06	5.46	-1.89	-1.02	0.87
NSM	-3.670	-3.48	5.372	-715.69	-16.82	10.51	27.33	-7.62	-0.015	7.605
SCE	28.398	28.37	7.788	5537.62	9.45	56.64	47.19	24.525	32.57	8.045
WLR	-1.468	-1.51	0.750	-286.33	-3.4	2.06	5.46	-1.89	-1.02	0.87
1997-2024, Port Saplaya										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.084	0.02	0.859	-14.42	-3.35	1.77	5.12	-0.625	0.41	1.035
LRR	-0.448	-0.41	0.957	-76.68	-3.3	3.36	6.66	-1.115	0.16	1.275
NSM	-0.747	0.17	7.656	-127.75	-30.39	16.07	46.46	-5.65	3.715	9.365
SCE	21.621	21.62	11.348	3697.18	1.5	57.27	55.77	15.925	26.35	10.425
WLR	-0.448	-0.41	0.957	-76.68	-3.3	3.36	6.66	-1.115	0.16	1.275
1997-2024, Pobla de Farnals										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.939	-0.86	1.897	-85.46	-6.11	3.33	9.44	-1.775	0.325	2.1
LRR	-0.134	-0.19	1.262	-12.19	-3.25	3.07	6.32	-0.83	0.51	1.34
NSM	-8.509	-7.82	17.186	-774.32	-55.38	3016	85.54	-16.08	2.94	19.02
SCE	35.490	34.79	17.285	3229.55	2.67	84.17	81.5	21.055	44.41	23.355
WLR	-0.134	-0.19	1.262	-12.19	-3.25	3.07	6.32	-0.83	0.51	1.34
1997-2024, Puzol										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	0.577	0.18	1.193	167.99	-1.12	4.4	5.52	-0.26	1.005	1.265
LRR	0.049	-0.2	1.049	14.29	-2.09	3.8	5.89	-0.665	0.44	1.105
NSM	5.206	1.63	10.7	1514.9	-10.19	39.86	50.05	-2.34	9.11	11.45
SCE	23.888	20.19	15.088	6951.45	1.47	86.77	85.3	11.81	32.595	20.785
WLR	0.049	-0.2	1.049	14.29	-2.09	3.8	5.89	-0.665	0.44	1.105
1997-2024, Marjal dels Moros										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.506	-0.21	1.224	-93.63	-5.96	2.14	8.1	-0.48	-0.05	0.43
LRR	-0.522	-0.17	1.357	-96.62	-6.3	2.19	8.49	-0.47	0	0.47
NSM	-4.549	-1.94	11.078	-841.51	-53.97	19.36	73.33	-4.24	-0.44	3.8
SCE	9.211	5.96	10.313	1703.96	2.25	57.86	55.61	4.57	8.52	3.95
WLR	-0.522	-0.17	1.357	-96.62	-6.3	2.19	8.49	-0.47	0	0.47

Table A3. Descriptive statistics of shoreline change indicators by zone (Period: 2015–2024).

2015-2024, Arenas – Malvarrosa - Patacona										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.267	-0.3	0.747	-57.09	-1.99	2.45	4.44	-0.77	0.1	0.87
LRR	-1.433	-1.485	0.735	-306.64	-3.35	0.36	3.71	-1.83	-1.02	0.81
NSM	-2.416	-2.725	6.769	-517.08	-18.06	22.22	40.28	-7.02	0.95	7.97
SCE	28.811	28.715	7.431	6165.57	12.87	57.16	44.29	24.52	33.1	8.58
WLR	-1.433	-1.485	0.735	-306.64	-3.35	0.36	3.71	-1.83	-1.02	0.81
2015-2024, Port Saplaya										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.087	-0.06	0.881	-14.76	-3.65	1.93	5.58	-0.61	0.43	1.04
LRR	-0.450	-0.38	0.990	-75.97	-3.27	3.44	6.71	-1.13	0.19	1.32
NSM	-0.783	-0.5	7.871	-132.41	-33.04	17.45	50.49	-5.54	3.92	9.46
SCE	21.781	21.49	11.629	3681.05	1.51	62.01	60.5	16.09	26.42	10.33
WLR	-0.450	-0.38	0.990	-75.97	-3.27	3.44	6.71	-1.13	0.19	1.32
2015-2024, Poble de Farnals										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-1.047	-1.035	1.921	-96.3	-6.01	2.84	8.85	-2.06	0.475	2.535
LRR	-0.227	-0.255	1.378	-20.86	-3.67	3	6.67	-1.1	0.48	1.58
NSM	-9.288	-9.415	17.188	-854.46	-54.46	25.71	80.17	-18.66	4.265	22.925
SCE	36.011	35.05	17.787	3313.03	2.55	91.14	88.59	21.095	45.02	23.925
WLR	-0.227	-0.255	1.378	-20.86	-3.67	3	6.67	-1.1	0.48	1.58
2015-2024, Puzol										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	0.605	0.18	1.297	183.46	-5.84	4.81	10.65	-0.3	1.06	1.36
LRR	0.06	-0.26	1.149	18.17	-6.07	5.2	11.27	-0.675	0.46	1.135
NSM	5.55	1.66	11.411	1681.58	-28.67	43.56	72.23	-2.74	9.605	12.345
SCE	24.496	20.26	15.856	7422.2	1.04	90.56	89.52	12.165	34.395	22.23
WLR	0.06	-0.26	1.149	18.17	-6.07	5.2	11.27	-0.675	0.46	1.135
2015-2024, Marjal dels Moros										
Variable	Mean	Median	SD	Sum	Min	Max	Range	Q1	Q3	IQR
EPR	-0.51	-0.21	1.241	-94.26	-5.99	1.88	7.87	-0.44	-0.04	0.4
LRR	-0.529	-0.16	1.363	-97.86	-6.32	2.09	8.41	-0.44	0	-0.44
NSM	-4.623	-1.87	11.238	-855.25	-54.32	17	71.32	-4	-0.32	3.68
SCE	9.226	6.02	10.456	1706.81	2.46	58.02	55.56	4.39	8.65	4.26
WLR	-0.529	-0.16	1.363	-97.86	-6.32	2.09	8.41	-0.44	0	0.44