

Table S1: Summary of the characteristics of surveyed locations (affected, semi-affected and non-affected) with type of harm that they could produce, considering environment and community.

Beach type *	Surveyed beach	Coordinates	Date of survey	Sampling Effort	Touristic area	Potential harm	Codes in Cluster and MDS
Affected	Abelia	26.126492E 39.307351N	26.05.2016.	100m (25m x 4)	Yes but visited mostly by locals	Ecological	1a ▲
	After Skala Sikamineas	26.289533E 39.376350N	17.05.2016	100m (25m x 4)	Yes	Ecological, economic and social	1b ▲
	Before Eftalou	26.250683E 39.378417N	17.05.2016.	75m (25m x 3)	Yes	Ecological, economic and social	1c ▲
	Cihlanda (Kechrada)	26.118172E 39.305429N	26.05.2016.	100m (25m x 4)	Yes but visited mostly by locals	Ecological, economic and social	1d ▲
	Korakas	26.341717E 39.389567N	17.05.2016	75m (25m x 3)	No	Ecological, social	1e ▲
	Near to Archea Antissa	26.030071E 39.286453N	26.05.2016.	100m (25m x 4)	Yes but visited mostly by locals	Ecological, economic and social	1f ▲
	Petra	26.181411E 39.335557N	28.05.2016.	100m (25m x 4)	Yes	Ecological, economic and social	1g ▲
Semi-affected	Gavathas	25.978826E 39.277483N	30.05.2016.	100m (25m x 4)	Yes but visited mostly by locals	Ecological	2a ▼
	Haramida I	26.572958E 39.016765N	06.06.2016.	100m (25m x 4)	Yes	Ecological, economic, social	2b ▼
	Kamos	25.987590E 39.277481N	30.05.2016.	100m (25m x 4)	Yes but visited mostly by locals	Ecological	2c ▼
	St. Ermogenis church	26.545021E 39.017749N	06.06.2016.	75m (25m x 3)	No	Ecological	2d ▼
	Lapsarna I	25.920708E 39.281072N	30.05.2016.	100m (25m x 4)	Yes but visited mostly by locals	Ecological	2e ▼
	Lapsarna II	25.919500E 39.290031N	30.05.2016.	75m (25m x 3)	Yes but visited mostly by locals	Ecological	2f ▼
	St. George	26.493111E 39.191556N	27.07.2016.	75m (25m x 3)	No	Ecological	2g ▼
	University	26.570351E 39.086325N	25.06.2016.	100m (25m x 4)	Yes but mostly visited by locals	Ecological, social	2h ▼

	Xampelia	26.420528E 39.252083N	27.07.2016.	100m (25m x 4)	No	Ecological, economic	2i ▼
Non-affected	Skala Eresos	25.922048E 39.137559N	16.08.2016.	100m (25m x 4)	Yes	Ecological, economic and social	3a ■
	Plomari	25.987590E 39.277481N	19.08.2016.	100m (25m x 4)	No	Ecological, economic and social	3b ■
	Podaras	26.013174E 39.104771N	16.08.2016.	100m (25m x 4)	Yes	Ecological, economic, social	3c ■
	Limena	25.854493E 39.193938N	15.08.2016.	100m (25m x 4)	No	Ecological	3d ■
	Melinda	26.312685E 38.987203N	19.08.2016.	100m (25m x 4)	No	Ecological, economic, social	3e ■
	Tavari	25.989229E 39.108030N	16.08.2016.	100m (25m x 4)	Yes	Ecological, economic, social	3f ■
	Vatera II	26.230448E 39.016575N	19.08.2016.	100m (25m x 4)	Yes	Ecological, economic, social	3g ■
	Vatera I	26.184527E 39.017650N	19.08.2016.	100m (25m x 4)	Yes	Ecological, economic, social	3h ■

Table S2: Number of items per meter and mass of items per meter registered on surveyed sites

	Beach	Count (items/m)	Mass (kg/m)
Affected	Korakas	10.88	86.02
	After Skala Sikamineas	3.15	2.44
	Before Eftalou	4.10	2.00
	Ambelia	2.58	0.03
	Cihranda (Kechrada)	9.13	0.54
	Near Archea Antissa	9.27	1.63
	Petra	5.80	0.01
Semi-affected	Kamos	4.82	0.19
	Gavathas	1.48	0.20
	Lapsarna I	7.91	0.10
	Lapsarna II	3.32	0.67
	Haramida I	6.01	1.55
	St. Ermogenis church	15.16	0.07
	University	1.11	0.73
	St. George	2.55	0.09
	Xampelia	5.15	0.23
Non-affected	Limena	0.93	0.03
	Skala Eresos	0.10	0.15
	Tavari	1.38	0.01
	Podaras	0.43	0.008
	Vatera I	0.61	0.04
	Vatera II	0.32	0.01
	Melinda	0.04	0.003
	Plomari	0.20	0.16



a



b



c



d



e



f

Figure S1. Polluted surveyed beaches. (a, b) Non – affected beaches (Skala Eressos, Tavari)(c, d) Semi-affected beaches (Gavathas, Lapsarna II); (e, f) Affected beaches (Korakas, Skala Sikamineas).



a



b



c



d

Figure S2. Items related to refugee crisis. (a) Remains of polyester boat; (b) life jacket; (c) swimming ring; (d) pieces of inflatable boats.



a



b



Figure S3. Comparison of one of the surveyed site (26.250683E, 39.378417N) with situation in 2015. Pictures made on survey 2015 (a, c); Pictures made on survey 2016 (b, d).