

*The following supplement accompanies the article*

## **Leave No Trace ordinances for coastal species management: influences on sea turtle nesting success**

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### SUPPLEMENTAL MATERIAL

Table S1. 2011-2018 crawl data. BSNWR = Bon Secour National Wildlife Refuge.

Treatment Group	Pre-/Post-Ordinance	Year	Beach	Crawls (N)	Nests (N)	Nest Success	Obstructed Nests (N)	Proportion Obstructed Nests	Obstructed False Crawls (N)	Proportion Obstructed False Crawls
Leave No Trace	Pre	2011	Gulf Shores	27	19	0.704	3	0.158	1	0.125
Leave No Trace	Pre	2012	Gulf Shores	52	38	0.731	7	0.184	2	0.143
Leave No Trace	Pre	2013	Gulf Shores	37	17	0.459	2	0.118	4	0.200
Leave No Trace	Pre	2014	Gulf Shores	37	19	0.514	5	0.263	2	0.111
Leave No Trace	Pre	2015	Gulf Shores	26	18	0.692	3	0.167	1	0.125
Leave No Trace	Post	2016	Gulf Shores	98	51	0.520	3	0.059	6	0.128
Leave No Trace	Post	2017	Gulf Shores	92	46	0.500	2	0.043	3	0.065
Leave No Trace	Post	2018	Gulf Shores	29	15	0.517	2	0.133	1	0.071
Leave No Trace	Pre	2011	Orange Beach	24	11	0.458	2	0.182	2	0.154
Leave No Trace	Pre	2012	Orange Beach	23	13	0.565	2	0.154	5	0.500
Leave No Trace	Pre	2013	Orange Beach	38	17	0.447	4	0.235	7	0.333
Leave No Trace	Pre	2014	Orange Beach	28	15	0.536	4	0.267	3	0.231
Leave No Trace	Pre	2015	Orange Beach	34	21	0.618	10	0.476	3	0.231

Leave No Trace	Post	2016	Orange Beach	76	35	0.461	18	0.514	14	0.341
Leave No Trace	Post	2017	Orange Beach	62	27	0.435	9	0.333	5	0.143
Leave No Trace	Post	2018	Orange Beach	41	20	0.488	4	0.200	5	0.238
Control for Population	Pre	2011	Fort Morgan	34	24	0.706	3	0.125	2	0.200
Control for Population	Pre	2012	Fort Morgan	81	41	0.506	11	0.268	9	0.225
Control for Population	Pre	2013	Fort Morgan	64	25	0.391	3	0.120	0	0.000
Control for Population	Pre	2014	Fort Morgan	41	26	0.634	8	0.308	0	0.000
Control for Population	Pre	2015	Fort Morgan	49	27	0.551	4	0.148	5	0.227
Control for Population	Post	2016	Fort Morgan	82	43	0.524	11	0.256	12	0.308
Control for Population	Post	2017	Fort Morgan	93	53	0.570	13	0.245	5	0.125
Control for Population	Post	2018	Fort Morgan	35	18	0.514	6	0.333	4	0.235
Control for Ordinance	Pre	2011	Gulf State Park	7	6	0.857	0	0.000	0	0.000
Control for Ordinance	Pre	2012	Gulf State Park	11	6	0.545	1	0.167	1	0.200
Control for Ordinance	Pre	2013	Gulf State Park	12	4	0.333	0	0.000	0	0.000
Control for Ordinance	Pre	2014	Gulf State Park	2	2	1.000	1	0.500	0	0.000
Control for Ordinance	Pre	2015	Gulf State Park	7	6	0.857	0	0.000	0	0.000
Control for Ordinance	Post	2016	Gulf State Park	31	16	0.516	1	0.062	1	0.067
Control for Ordinance	Post	2017	Gulf State Park	21	7	0.333	0	0.000	0	0.000
Control for Ordinance	Post	2018	Gulf State Park	7	4	0.571	1	0.250	0	0.000
Control for Ordinance	Pre	2011	BSNWR	36	20	0.556	1	0.050	1	0.062
Control for Ordinance	Pre	2012	BSNWR	77	40	0.519	6	0.150	4	0.108
Control for Ordinance	Pre	2013	BSNWR	31	15	0.484	1	0.067	0	0.000
Control for Ordinance	Pre	2014	BSNWR	21	16	0.762	1	0.062	0	0.000
Control for Ordinance	Pre	2015	BSNWR	32	23	0.719	2	0.087	0	0.000
Control for Ordinance	Post	2016	BSNWR	91	52	0.571	4	0.077	4	0.103
Control for Ordinance	Post	2017	BSNWR	65	28	0.431	1	0.036	3	0.081
Control for Ordinance	Post	2018	BSNWR	25	17	0.680	1	0.059	0	0.000