

Supplemental Table S1. Spatial location and collection days of the sampling sites

Sample site	Longitude (degree)	Latitude (degree)	Elevation (m)	Type	Recording days
1	116.11' E	31.01' N	1341	experimental area	344
2	116.06' E	30.97' N	1211	buffer area	343
3	116.07' E	31.00' N	1090	buffer area	355
4	116.10' E	31.08' N	689	experimental area	358
5	116.12' E	31.08' N	805	experimental area	358
6	116.09' E	30.99' N	1180	buffer area	169

Supplemental Table S2. The number of calls (based on the mean number of each 1/6 month) of the Oriental Turtle Dove was detected per month at six sites. The total number and percentage of calls detected per month, with respect to the total number of calls, are also shown

Month	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Total	Percentage
April	64.60	0.20	52.20	0.00	123.60	38.00	278.60	7.57%
May	45.23	36.10	480.33	52.00	22.60	115.63	751.90	20.43%
June	52.20	0.00	173.80	0.80	13.00	1.20	241.00	6.55%
July	425.57	43.77	372.50	141.60	109.92	330.13	1423.48	38.67%
August	132.03	0.00	148.77	8.80	122.67	63.07	475.33	12.91%
September	24.10	0.00	29.40	4.80	17.80	167.30	243.40	6.61%
October	0.40	0.00	8.20	0.00	0.00	0.00	8.60	0.23%
November	0.00	0.00	0.00	0.00	0.00	NA	0.00	0.00%
December	0.00	0.00	0.00	0.00	0.00	NA	0.00	0.00%
January	0.00	0.00	0.00	0.00	0.00	NA	0.00	0.00%
February	0.00	0.00	0.00	0.00	0.00	NA	0.00	0.00%
March	20.00	3.20	180.37	9.20	46.00	NA	258.77	7.03%

Supplemental Table S3. The number of calls (based on the mean number of each 1/6 month) of the Oriental Turtle Dove was detected per hour at six sites. The total number and percentage of calls detected per hour, with respect to the total number of calls, are also shown

Hour	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6	Total	Percentage
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
4	0.20	3.40	0.00	0.00	0.00	0.00	3.60	0.10%
5	47.33	13.20	136.63	13.40	38.43	84.67	333.67	9.06%
6	200.60	19.10	249.00	31.00	86.60	231.77	818.07	22.22%
7	187.73	12.13	166.10	10.00	92.97	182.63	651.57	17.70%
8	77.37	8.60	132.83	36.00	66.53	100.00	421.33	11.45%
9	44.77	4.27	119.67	24.60	38.92	23.37	255.58	6.94%
10	38.83	1.10	48.17	2.20	15.80	7.97	114.07	3.10%
11	16.53	1.33	31.20	15.40	9.63	8.40	82.50	2.24%
12	29.97	0.00	39.20	2.60	20.20	6.83	98.80	2.68%
13	22.47	4.93	25.40	17.60	11.20	2.70	84.30	2.29%
14	8.80	0.00	68.77	20.40	8.20	6.70	112.87	3.07%
15	2.20	0.00	84.40	1.60	5.90	8.20	102.30	2.78%
16	19.13	0.00	92.80	24.80	20.60	12.80	170.13	4.62%

17	28.70	12.20	118.97	13.40	21.80	15.03	210.10	5.71%
18	25.90	0.00	119.43	4.20	18.20	23.67	191.40	5.20%
19	13.60	3.00	13.00	0.00	0.60	0.60	30.80	0.84%
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00%
