

Supplementary Material

Article title:

Patterns of coexistence between two mesocarnivores in presence of anthropogenic disturbances in Western Himalaya

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Supplementary Tables and Figures

Table S1. Session wise camera trapping details and faces collection in Great Himalayan National Park Conservation Area (GHNPCA) during 2017 to 2019.

Session	Month	Year	Number of camera trap locations		Effort: Sum of no. of operational days of all camera traps	
			Low human disturbance (National park)	High human disturbance (ecozone)	Low human disturbance (National park)	High human disturbance (ecozone)
1	April-July	2017	28	31	1907	1079
2	October-December	2017	47	31	2189	400
3	April-July	2018	35	5	1694	97
4	October-December	2018	52	30	2125	612
5	April-June	2019	58	23	1369	394
		Total	220	120	9284	2582

Table S2. Session wise faecal sample collection details in GHNPCA during 2017 to 2019.

Session	Month	Year	Total number of faecal samples collected	Number of faecal samples collected in:		Walk effort (km)	
				Low human disturbance (national park)	High human disturbance (ecozone)	Low human disturbance (national park)	High human disturbance (ecozone)
1	October-December	2017	162	140	30	149.62	15.41
2	April-July	2018	64	61	25	47	10
3	October-December	2018	220	157	48	214.35	63.5
4	April-June	2019	237	196	26	154.5	31
		Total	683	554	129	565.47	119.91

Table S3. Details of GLMM models used to understand the co-detection pattern between red fox and leopard cat in presence of human in low and high human disturbance areas in GHNPCA.

Area	Model	Family	Expected relation
Low human disturbance area	Red fox ~ Leopard cat + Human + (1 camera station)	Poisson	Red fox - Leopard cat: +ve
			Red fox - Human: +ve
Low human disturbance area	Leopard cat ~ Red fox + Human + (1 camera station)	Poisson	Leopard cat - Red fox: +ve
			Human - Red fox: +ve
High human disturbance area	Red fox ~ Leopard cat + Human + (1 camera station)	Poisson	Red fox - Leopard cat: +ve
			Red fox - Human: +ve
High human disturbance area	Leopard cat ~ Red fox + Human + (1 camera station)	Poisson	Leopard cat - Red fox: +ve
			Human - Red fox: +ve

Table S4. Temporal overlap coefficient between red fox and human, leopard cat and human in low and high human disturbance area in GHNPCA.

Area	Mesocarnivore - Human	Temporal overlap coefficient: Δ [CI]
Low human disturbance	Red fox-Human	0.13 [0.09-0.17]
Low human disturbance	Leopard cat-Human	0.14 [0.11-0.15]
High human disturbance	Red fox-Human	0.16 [0.13 – 0.18]
High human disturbance	Leopard cat-Human	0.12 [0.10 – 0.15]

Table S5. Details of genetically and morphologically identified mesocarnivore faecal samples from GHNPCA during 2017 to 2019.

Details of identification of mesocarnivore faecal samples	Number of samples
Number of faecal samples collected	683
Number of samples selected for molecular identification of mesocarnivores from faecal samples (relatively fresh)	382
Remaining number of samples for morphological identification of mesocarnivores from faecal samples	301
Number of genetically identified mesocarnivore faecal samples (successful PCR amplification)	359
Number of morphologically identified mesocarnivore faecal samples	227
Total genetically and morphologically identified mesocarnivore faecal samples	586
Number of unidentified faecal samples (from both molecular and morphological approaches)	97
Success rate of PCR amplification	$(359/382) \times 100 = 93.98$

Table S6. Details of genetically and morphologically identified red fox faecal samples from high and low human disturbance areas in GHNPCA during 2017 to 2019.

Methods	High human disturbance area (ecozone)	Low human disturbance area (National park)	Total faecal samples identified using different methods
Genetically identified (using molecular marker Cytb)	23	89	112
Morphologically identified	22	117	139
Total faecal samples identified in each area	45	206	251

Table S7. Details of genetically and morphologically identified leopard cat faecal samples from high and low human disturbance areas in GHNPFA during 2017 to 2019.

Methods	High human disturbance area (ecozone)	Low human disturbance area (National park)	Total faecal samples identified using different methods
Genetically identified (using molecular marker Cytb)	44	203	247
Morphologically identified	12	76	88
Total faecal samples identified in each area	56	279	335

Table S8. Description of morphological identification of 139 red fox faecal samples collected in GHNPFA during 2017 to 2019. HDD; high human disturbance area, LHD; low human disturbance area, Cy; cylindrical shape.

Sl. No.	Sample ID	Area	Season	Year	Structure	Total weight (gm)
1	153	HDD	winter	2017	Cy,not segmented,coiled,Notched	2.6
2	6	LHD	winter	2017	Cy,not segmented,Notched	6.4
3	9	LHD	winter	2017	Cy,not segmented,Notched	3.1
4	10	LHD	winter	2017	Cy,not segmented,Notched	5.8
5	31	LHD	winter	2017	Cy,not segmented,Notched	1.8
6	36	LHD	winter	2017	Cy,not segmented,coiled,Notched	1.3
7	42	LHD	winter	2017	Cy,not segmented,coiled,Notched	3.6
8	43	LHD	winter	2017	Cy,not segmented,Notched	7.7
9	84	LHD	winter	2017	Cy,not segmented,Notched	2.4
10	127	LHD	winter	2017	Cy,not segmented,Notched	12.8
11	92	LHD	winter	2017	Cy,not segmented,Notched	16.6
12	97	LHD	winter	2017	Cy,not segmented,Notched	4.7
13	108	LHD	winter	2017	Cy,not segmented,Notched	7.2
14	134	LHD	winter	2017	Cy,not segmented,Notched	4.2
15	136	LHD	winter	2017	Cy,not segmented,coiled,Notched	4.5
16	141	LHD	winter	2017	Cy,not segmented,coiled,Notched	4.5
17	145	LHD	winter	2017	Cy,not segmented,Notched	5.6
18	146	LHD	winter	2017	Cy,not segmented,coiled,Notched	4.6
19	162	LHD	winter	2017	Cy,not segmented,coiled,Notched	1.5
20	35	LHD	winter	2017	Cy,not segmented,coiled,Notched	4.2
21	21	LHD	winter	2017	Cy,not segmented,Notched	6.6
22	24	LHD	winter	2017	Cy,not segmented,coiled,Notched	13.8

23	26	LHD	winter	2017	Cy,not segmented,Notched	15
24	64	LHD	winter	2017	Cy,not segmented,Notched	4.9
25	75	LHD	winter	2017	Cy,not segmented,Notched	9.5
26	83	LHD	winter	2017	Cy,not segmented,Notched	6.8
27	2	HHD	summer	2018	Cy,not segmented,Notched	1
28	3	HHD	summer	2018	Cy,not segmented	3.2
29	7	HHD	summer	2018	Cy,not segmented,Notched	6.9
30	62	LHD	summer	2018	Cy,not segmented,Notched	3
31	63	LHD	summer	2018	Cy,not segmented,Notched	8.4
32	51b	LHD	summer	2018	Cy,not segmented,coiled,Notched	8.1
33	6	LHD	summer	2018	Cy,not segmented,Notched	15.5
34	8	LHD	summer	2018	Cy,not segmented,Notched	11.5
35	47	LHD	summer	2018	Cy,not segmented,Notched	10
36	50	LHD	summer	2018	Cy,not segmented,coiled,Notched	11.5
37	52	LHD	summer	2018	Cy,not segmented,coiled,Notched	6.2
38	53	LHD	summer	2018	Cy,not segmented,Notched	5.5
39	54	LHD	summer	2018	Cy,not segmented,Notched	3
40	11	LHD	summer	2018	Cy,not segmented,Notched	16.1
41	21	LHD	summer	2018	Cy,not segmented,coiled,Notched	12.1
42	23	LHD	summer	2018	Cy,not segmented,coiled,Notched	6.2
43	27	LHD	summer	2018	Cy,not segmented,coiled,Notched	12.3
44	28	LHD	summer	2018	Cy,not segmented,coiled,Notched	2.2
45	30	LHD	summer	2018	Cy,not segmented,coiled,Notched	13.1
46	55	LHD	summer	2018	Cy,not segmented,coiled,Notched	1.2
47	60	LHD	summer	2018	Cy,not segmented,coiled,Notched	2.9
48	61	LHD	summer	2018	Cy,not segmented,coiled,Notched	7.4
49	65	HHD	winter	2018	Cy,not segmented,coiled,Notched	4.4
50	68	HHD	winter	2018	Cy,not segmented,Notched	20
51	73	HHD	winter	2018	Cy,not segmented,Notched	2.5
52	74	HHD	winter	2018	Cy,not segmented,Notched	6.8
53	78	HHD	winter	2018	Cy,not segmented,Notched	18.2
54	80	HHD	winter	2018	Cy,not segmented,Notched	4.4
55	81	HHD	winter	2018	Cy,not segmented,coiled,Notched	1.6
56	87	HHD	winter	2018	Cy,not segmented,coiled,Notched	10.3
57	279	HHD	winter	2018	Cy,not segmented,Notched	8.4
58	280	HHD	winter	2018	Cy,not segmented,Notched	16.4
59	281	HHD	winter	2018	Cy,not segmented,Notched	12.1
60	204	HHD	winter	2018	Cy,not segmented,Notched	4.1

61	205	HHD	winter	2018	Cy,not segmented,coiled,Notched	4.2
62	85	LHD	winter	2018	Cy,not segmented,coiled,Notched	5.4
63	93	LHD	winter	2018	Cy,not segmented,coiled,Notched	15.4
64	95	LHD	winter	2018	Cy,not segmented,coiled,Notched	20
65	97	LHD	winter	2018	Cy,not segmented,coiled,Notched	9.2
66	118	LHD	winter	2018	Cy,not segmented,Notched	18
67	146	LHD	winter	2018	Cy,not segmented,Notched	16.7
68	191	LHD	winter	2018	Cy,not segmented,Notched	4.6
69	193	LHD	winter	2018	Cy,not segmented,Notched	4.4
70	198	LHD	winter	2018	Cy,not segmented,coiled,Notched	11.7
71	210	LHD	winter	2018	Cy,not segmented,coiled,Notched	6.1
72	213	LHD	winter	2018	Cy,not segmented,coiled,Notched	8
73	214	LHD	winter	2018	Cy,not segmented,Notched	13.1
74	221	LHD	winter	2018	Cy,not segmented,Notched	15
75	227	LHD	winter	2018	Cy,not segmented,coiled,Notched	1.8
76	232	LHD	winter	2018	Cy,not segmented,Notched	8.3
77	233	LHD	winter	2018	Cy,not segmented,Notched	14.1
78	242	LHD	winter	2018	Cy,not segmented,Notched	18
79	244	LHD	winter	2018	Cy,not segmented,Notched	13.1
80	255	LHD	winter	2018	Cy,not segmented,Notched	6.4
81	256	LHD	winter	2018	Cy,not segmented,Notched	15
82	270	LHD	winter	2018	Cy,not segmented,Notched	1.3
83	271	LHD	winter	2018	Cy,not segmented,coiled,Notched	2.7
84	273	LHD	winter	2018	Cy,not segmented,coiled,Notched	3.4
85	275	LHD	winter	2018	Cy,not segmented,Notched	5.3
86	84b	LHD	winter	2018	Cy,not segmented,Notched	10.4
87	180	LHD	winter	2018	Cy,not segmented,coiled,Notched	8.2
88	98	LHD	winter	2018	Cy,not segmented,Notched	7.5
89	99	LHD	winter	2018	Cy,not segmented,Notched	11.7
90	100	LHD	winter	2018	Cy,not segmented,coiled,Notched	5.7
91	101	LHD	winter	2018	Cy,not segmented,coiled,Notched	2.7
92	102	LHD	winter	2018	Cy,not segmented,coiled,Notched	0.8
93	132	LHD	winter	2018	Cy,not segmented,Notched	12.3
94	142	LHD	winter	2018	Cy,not segmented,Notched	7.5
95	160	LHD	winter	2018	Cy,not segmented,Notched	11.3
96	163	LHD	winter	2018	Cy,not segmented,Notched	5.8
97	166	LHD	winter	2018	Cy,not segmented,Notched	15.1
98	173	LHD	winter	2018	Cy,not segmented,Notched	13.2

99	176	LHD	winter	2018	Cy,not segmented,Notched	14.5
100	177	LHD	winter	2018	Cy,not segmented,Notched	4.1
101	565	HHD	summer	2019	Cy,not segmented	15.1
102	567	HHD	summer	2019	Cy,not segmented	2.3
103	598	HHD	summer	2019	Cy,not segmented	6.8
104	285	HHD	summer	2019	Cy,not segmented,Notched	13.4
105	601	HHD	summer	2019	Cy,not segmented,Notched	16.1
106	292	LHD	summer	2019	Cy,not segmented,Notched	10.2
107	298	LHD	summer	2019	Cy,not segmented,Notched	4.6
108	299	LHD	summer	2019	Cy,not segmented,Notched	20
109	308	LHD	summer	2019	Cy,not segmented,Notched	1
110	316	LHD	summer	2019	Cy,not segmented,Notched	15.6
111	317	LHD	summer	2019	Cy,not segmented,Notched	16.3
112	319	LHD	summer	2019	Cy,not segmented,Notched	15
113	320	LHD	summer	2019	Cy,not segmented,Notched	12.8
114	359	LHD	summer	2019	Cy,not segmented,Notched	17.9
115	375	LHD	summer	2019	Cy,not segmented,Notched	7.2
116	376	LHD	summer	2019	Cy,not segmented,coiled,Notched	18.1
117	379	LHD	summer	2019	Cy,not segmented,coiled,Notched	17.2
118	381	LHD	summer	2019	Cy,not segmented,coiled,Notched	15.1
119	383	LHD	summer	2019	Cy,not segmented,coiled,Notched	16.2
120	385	LHD	summer	2019	Cy,not segmented,coiled,Notched	15.7
121	397	LHD	summer	2019	Cy,not segmented,coiled,Notched	18.4
122	401	LHD	summer	2019	Cy,not segmented,coiled,Notched	17.8
123	408	LHD	summer	2019	Cy,not segmented,coiled,Notched	11.6
124	411	LHD	summer	2019	Cy,not segmented,coiled,Notched	20
125	416	LHD	summer	2019	Cy,not segmented,coiled,Notched	3.6
126	425	LHD	summer	2019	Cy,not segmented,coiled,Notched	3.2
127	427	LHD	summer	2019	Cy,not segmented,coiled,Notched	11.8
128	525	LHD	summer	2019	Cy,not segmented,coiled,Notched	4.2
129	539	LHD	summer	2019	Cy,not segmented,coiled,Notched	20
130	572	LHD	summer	2019	Cy,not segmented,coiled,Notched	17.9
131	448	LHD	summer	2019	Cy,not segmented,coiled,Notched	3.8
132	457	LHD	summer	2019	Cy,not segmented,coiled,Notched	6.8
133	459	LHD	summer	2019	Cy,not segmented,coiled,Notched	6.7
134	484	LHD	summer	2019	Cy,not segmented,coiled,Notched	3.4
135	487	LHD	summer	2019	Cy,not segmented,coiled,Notched	6.3
136	490	LHD	summer	2019	Cy,not segmented,coiled,Notched	4.9

137	493	LHD	summer	2019	Cy,not segmented,coiled,Notched	1.6
138	532	LHD	summer	2019	Cy,not segmented,coiled,Notched	2.6
139	588	LHD	summer	2019	Cy,not segmented,Notched	1.5
					Average weight (gm)	8.69 (SE = 0.47)
					Maximum weight (gm)	20
					Minimum weight (gm)	0.8

*See Supplementary Fig S12 and Fig S13 for structural description of red fox faeces.

Table S9. Description of morphological identification of 88 leopard cat faecal samples collected in GHNPFA during 2017 to 2019. HHD; high human disturbance area, LHD; low human disturbance area, Cy; cylindrical shape.

Sl. No.	Sample ID	Area	Season	Year	Structure	Total weight (gm)
1	95	HHD	winter	2017	Cy,Segmented,Notched	25.1
2	149	HHD	winter	2017	Cy,Segmented,Notched	13
3	150	HHD	winter	2017	Cy,Segmented,Notched	24.2
4	152	HHD	winter	2017	Cy,Segmented,Notched	19.9
5	3	LHD	winter	2017	Cy,Segmented,Notched	10.6
6	5	LHD	winter	2017	Cy,Segmented,Notched	4.1
7	30	LHD	winter	2017	Cy,Notched	3.2
8	33	LHD	winter	2017	Cy,Notched	5.4
9	37	LHD	winter	2017	Cy,Notched	8.4
10	39	LHD	winter	2017	Cy,Segmented,Notched	6.2
11	79	LHD	winter	2017	Cy,Segmented,Notched	4.2
12	85	LHD	winter	2017	Cy,Segmented,Notched	8.8
13	86	LHD	winter	2017	Cy,Segmented,Notched	9.1
14	87	LHD	winter	2017	Cy,Segmented,Notched	16.6
15	121	LHD	winter	2017	Cy,Segmented,Notched	11
16	101	LHD	winter	2017	Cy,Segmented,Notched	3.7
17	105	LHD	winter	2017	Cy,Segmented,Notched	11.2
18	115	LHD	winter	2017	Cy,Segmented,Notched	20.9
19	135	LHD	winter	2017	Cy,Segmented,Notched	3
20	137	LHD	winter	2017	Cy,Segmented,Notched	30
21	143	LHD	winter	2017	Cy,Segmented,Notched	13.8
22	144	LHD	winter	2017	Cy,Segmented,Notched	30
23	147	LHD	winter	2017	Cy,Segmented,Notched	9.9
24	159	LHD	winter	2017	Cy,Segmented,Notched	10.8
25	161	LHD	winter	2017	Cy,Segmented,Notched	30
26	100	LHD	winter	2017	Cy,Segmented,Notched	28
27	98	LHD	winter	2017	Cy,Segmented,Notched	24.5

28	110	LHD	winter	2017	Cy,Segmented,Notched	28
29	111	LHD	winter	2017	Cy,Segmented,Notched	10.3
30	27	LHD	winter	2017	Cy,Segmented,Notched	8.1
31	58	LHD	winter	2017	Cy,Segmented,Notched	20
32	61	LHD	winter	2017	Cy,Segmented,Notched	6.2
33	66	LHD	winter	2017	Cy,Segmented,Notched	3.7
34	74	LHD	winter	2017	Cy,Segmented,Notched	9.4
35	1	HHD	summer	2018	Cy,Segmented,Notched	6.4
36	22	LHD	summer	2018	Cy,Segmented,Notched	23.8
37	25	LHD	summer	2018	Cy,Segmented,Notched	16
38	39	LHD	summer	2018	Cy,Segmented	28.9
39	57	LHD	summer	2018	Cy,Segmented,Notched	11.9
40	10	LHD	summer	2018	Cy,Segmented	10.2
41	42	LHD	summer	2018	Cy,Segmented,Notched	10.6
42	49	LHD	summer	2018	Cy,Segmented,Notched	20
43	12	LHD	summer	2018	Cy,Segmented,Notched	19.2
44	15	LHD	summer	2018	Cy,Notched	10.6
45	20	LHD	summer	2018	Cy,Segmented,Notched	5.6
46	59	LHD	summer	2018	Cy,Segmented,Notched	3.7
47	75	HHD	winter	2018	Cy,Segmented,Notched	5.6
48	69	HHD	winter	2018	Cy,Segmented,Notched	5.1
49	71	HHD	winter	2018	Cy,Segmented,Notched	4.3
50	184	HHD	winter	2018	Cy,Segmented,Notched	20
51	186	HHD	winter	2018	Cy,Segmented,Notched	2.9
52	208	HHD	winter	2018	Cy,Segmented,Notched	5.6
53	119	LHD	winter	2018	Cy,Segmented,Notched	3.4
54	194	LHD	winter	2018	Cy,Segmented,Notched	19
55	197	LHD	winter	2018	Cy,Segmented,Notched	11
56	212	LHD	winter	2018	Cy,Segmented,Notched	11.2
57	250	LHD	winter	2018	Cy,Segmented,Notched	6
58	274	LHD	winter	2018	Cy,Segmented,Notched	14.2
59	89	LHD	winter	2018	Cy,Segmented,Notched	17
60	111	LHD	winter	2018	Cy,Segmented,Notched	26.5
61	114	LHD	winter	2018	Cy,Segmented,Notched	20.3
62	116	LHD	winter	2018	Cy,Segmented,Notched	28
63	126	LHD	winter	2018	Cy,Segmented,Notched	21.6
64	128	LHD	winter	2018	Cy,Segmented,Notched	19.3
65	190	LHD	winter	2018	Cy,Segmented,Notched	12.6
66	211	LHD	winter	2018	Cy,Segmented,Notched	7.4
67	217	LHD	winter	2018	Cy,Segmented,Notched	4.7
68	226	LHD	winter	2018	Cy,Notched	2

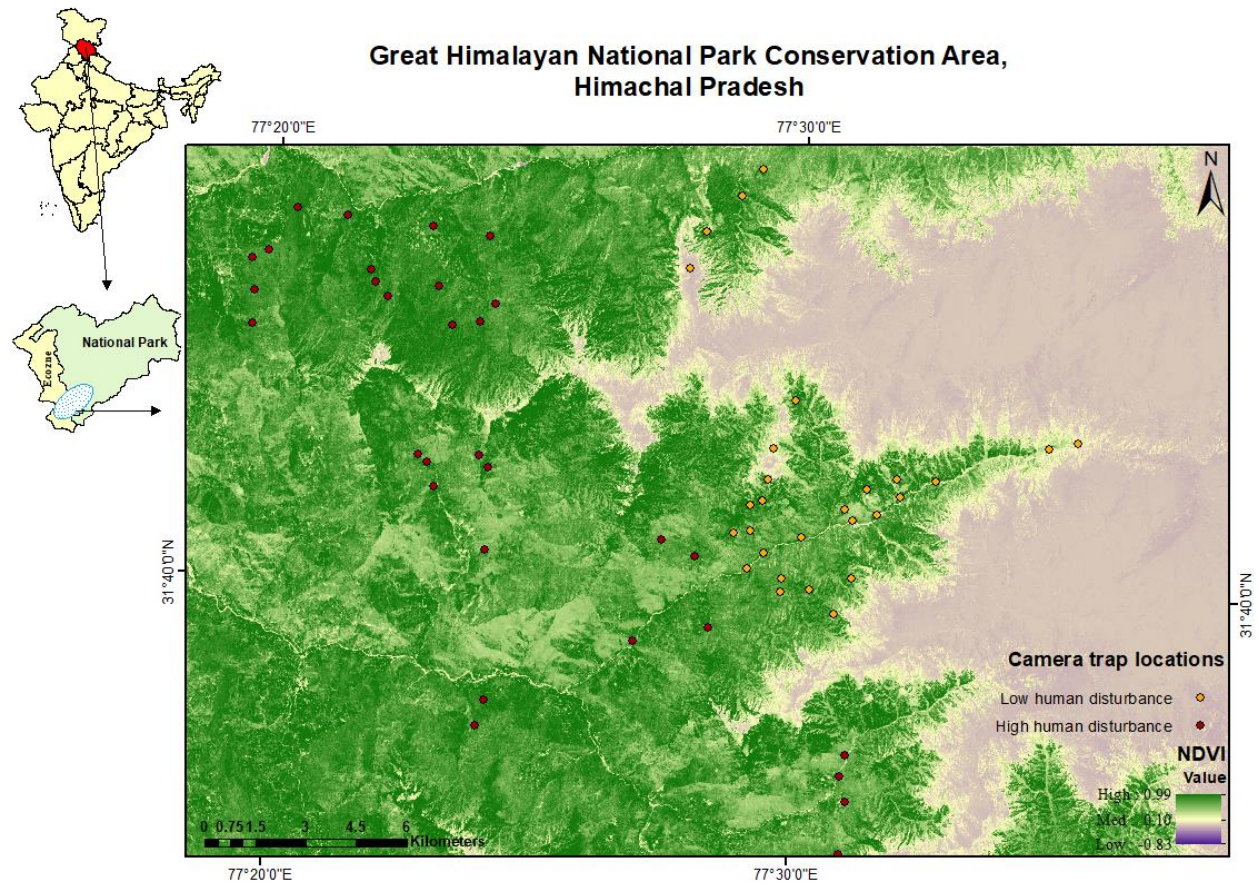
69	228	LHD	winter	2018	Cy,Segmented,Notched	16.8
70	229	LHD	winter	2018	Cy,Segmented,Notched	11.4
71	236	LHD	winter	2018	Cy,Segmented,Notched	23.4
72	241	LHD	winter	2018	Cy,Segmented,Notched	10.9
73	247	LHD	winter	2018	Cy,Segmented,Notched	10.5
74	261	LHD	winter	2018	Cy,Segmented,Notched	19.5
75	170	LHD	winter	2018	Cy,Segmented,Notched	25.9
76	282	HHD	summer	2019	Cy,Segmented,Notched	5.1
77	403	LHD	summer	2019	Cy,Segmented,Notched	4.3
78	417	LHD	summer	2019	Cy,Segmented,Notched	22.2
79	420	LHD	summer	2019	Cy,Segmented,Notched	0.8
80	516	LHD	summer	2019	Cy,Segmented,Notched	18.5
81	555	LHD	summer	2019	Cy,Segmented,Notched	6
82	589	LHD	summer	2019	Cy,Segmented,Notched	2.6
83	339	LHD	summer	2019	Cy,Segmented,Notched	24.6
84	387	LHD	summer	2019	Cy,Segmented,Notched	16.7
85	398	LHD	summer	2019	Cy,Segmented,Notched	15.9
86	442	LHD	summer	2019	Cy,Segmented,Notched	18
87	466	LHD	summer	2019	Cy,Segmented,Notched	7.5
88	435	LHD	summer	2019	Cy,Segmented,Notched	5.5
					Average weight (gm)	13.32 (SE = 0.87)
					Maximum weight (gm)	30
					Minimum weight (gm)	0.8

*See Supplementary Fig S14 for structural description of leopard cat faeces.

Table S10. Relative frequency of occurrence (RFO) of food items in red fox and leopard cat faeces from high and low human disturbance area in GHNP CA.

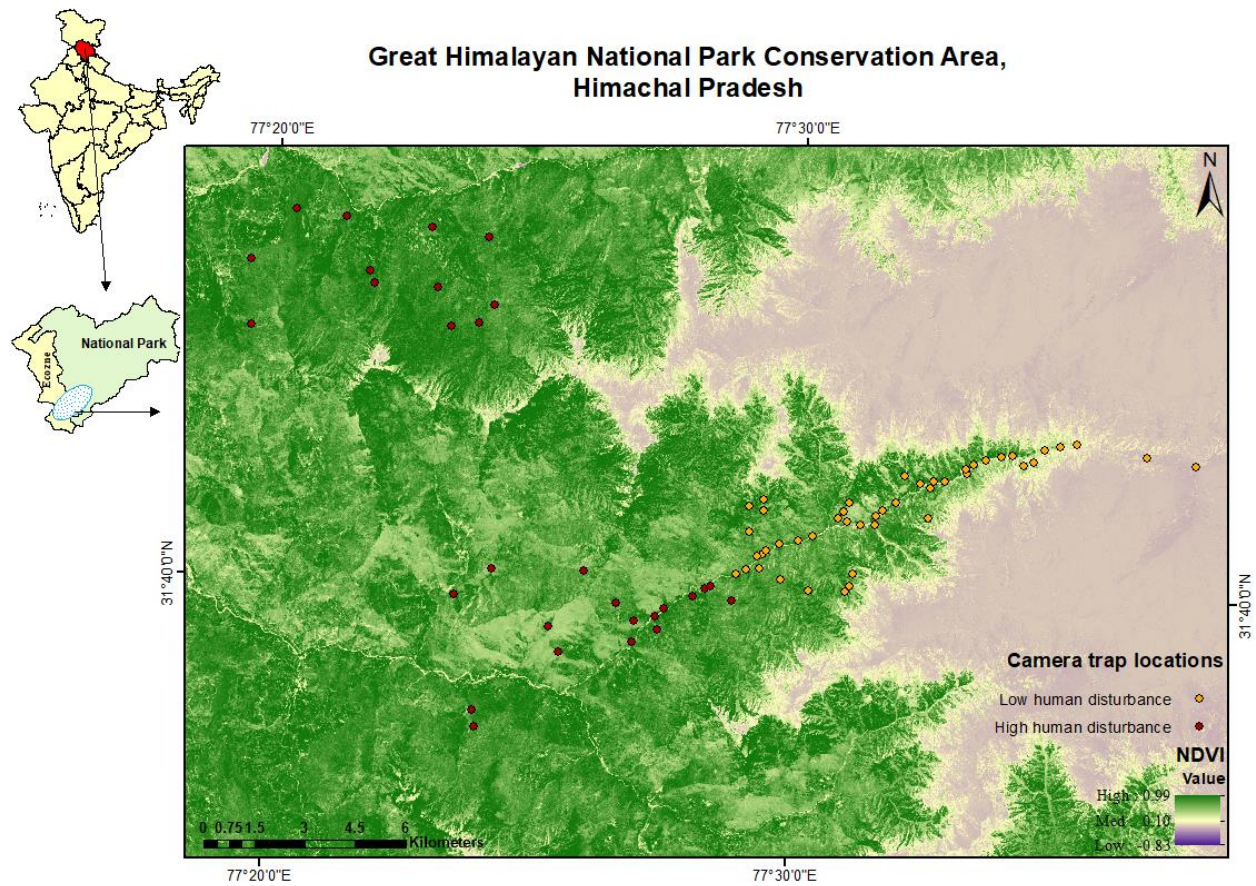
Area	Food items	Prey RFO (%) in red fox faeces	Prey RFO (%) in leopard cat faeces
High human disturbance	Plants	11.09	10.82
High human disturbance	Rodent (mouse, rat, shrew, vole)	30.77	53.69
High human disturbance	Pika	2.96	8.67
High human disturbance	Goral	10.02	4.61
High human disturbance	Goat/sheep	18.88	-
High human disturbance	Cow	2.96	-
High human disturbance	Rhesus macaque	3.70	-
High human disturbance	Langur	8.53	-
High human disturbance	Aves	3.67	19.77
High human disturbance	Dog	2.96	-
High human disturbance	Red giant flying squirrel	4.45	1.63
Low human disturbance	Insect	-	0.81
Low human disturbance	Plants	15.56	15.97
Low human disturbance	Rodent (mouse, rat, shrew, vole)	27.57	48.67
Low human disturbance	Pika	19.37	16.40
Low human disturbance	Stone marten	0.49	-
Low human disturbance	Tahr	0.65	-
Low human disturbance	Bluesheep	2.07	0.30
Low human disturbance	Musk deer	0.32	-
Low human disturbance	Goral	16.59	5.92
Low human disturbance	Barking deer	0.41	-
Low human disturbance	Goat/sheep	2.27	1.08
Low human disturbance	Cow	0.24	-
Low human disturbance	Langur	4.71	1.50
Low human disturbance	Aves	3.82	6.21
Low human disturbance	Dog	0.12	-
Low human disturbance	Plastic	0.16	-
Low human disturbance	Insect	2.92	0.72
Low human disturbance	Reptile	0.12	-
Low human disturbance	Red giant flying squirrel	0.89	1.62
Low human disturbance	Weasel	1.71	1.62

Fig S1 Map showing camera trap locations in low (n = 28) and high (n = 31) human disturbance areas during session 1 (April -July 2017)



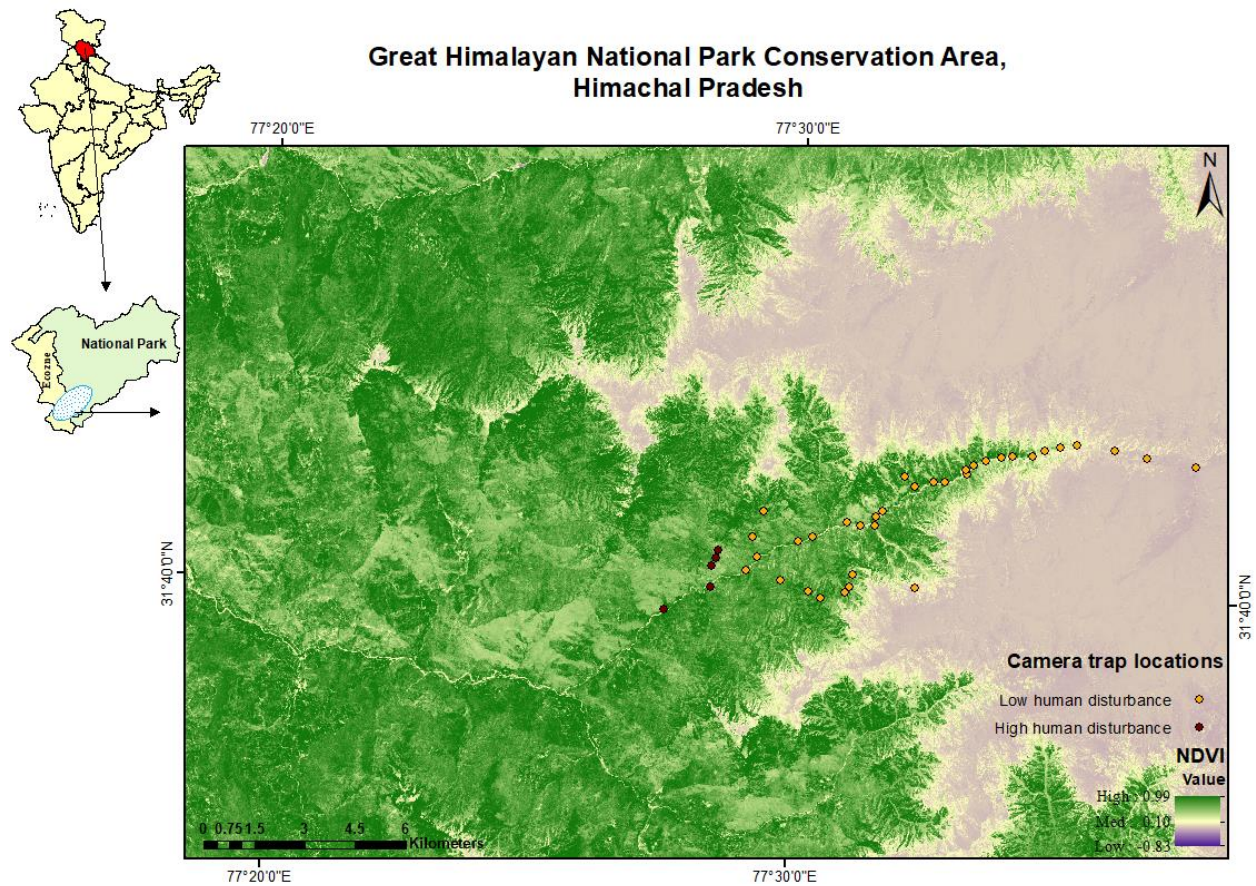
*Low human disturbance area = National park, High human disturbance area = Ecozone

Fig S2 Map showing camera trap locations in low (n = 47) and high (n = 31) human disturbance areas during session 2 (October-December 2017)



*Low human disturbance area = National park, High human disturbance area = Ecozone

Fig S3 Map showing camera trap locations in low (n = 35) and high (n = 5) human disturbance areas during session 3 (April-July 2018)



*Low human disturbance area = National park, High human disturbance area = Ecozone

Fig S4 Map showing camera trap locations in low (n = 52) and high (n = 30) human disturbance areas during session 4 (October-December 2018)



*Low human disturbance area = National park, High human disturbance area = Ecozone

Fig S5 Map showing camera trap locations in low (n = 58) and high (n = 23) human disturbance areas during session 5 (April-June 2019)



*Low human disturbance area = National park, High human disturbance area = Ecozone

Fig S6 Scatter plot showing capture rate per 100 trap night of (a) red fox against leopard cat and (b) red fox against human in low human disturbance area (National Park)

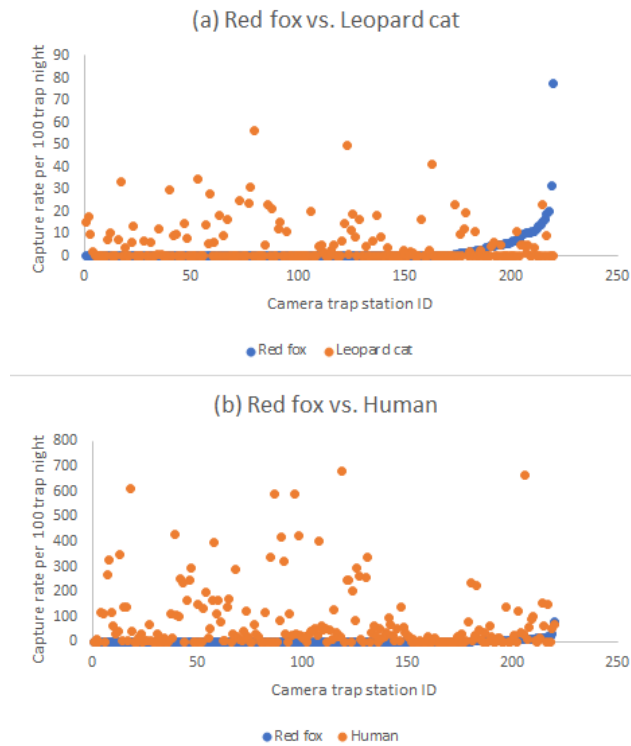


Fig S7 Scatter plot showing capture rate per 100 trap night of (a) red fox against leopard cat and (b) red fox against human in high human disturbance area (ecozone)

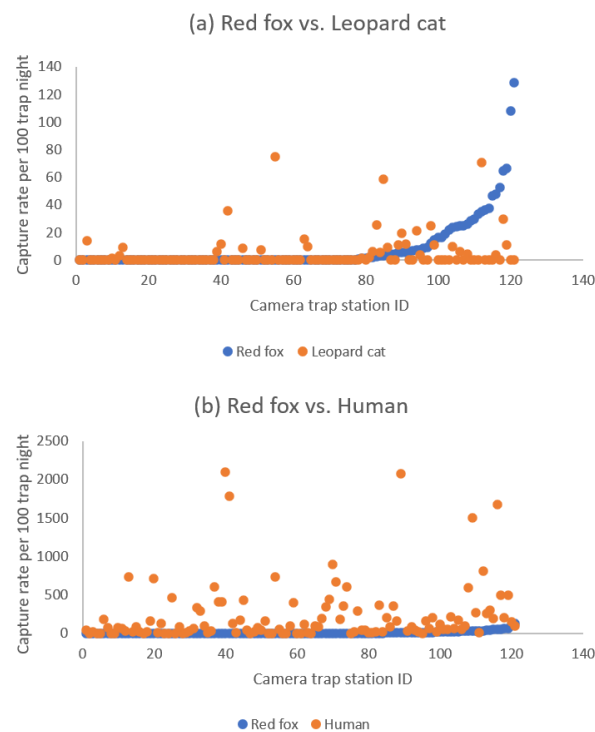


Fig S8 Scatter plot showing capture rate per 100 trap night of (a) leopard cat against red fox and (b) leopard cat against human in low human disturbance area (National Park)

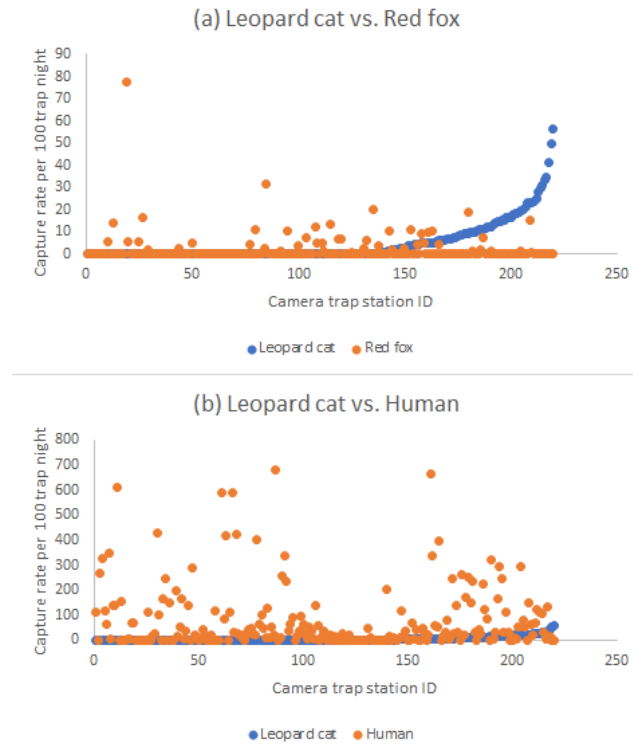


Fig S9 Scatter plot showing capture rate per 100 trap night of (a) leopard cat against red fox and (b) leopard cat against human in high human disturbance area (ecozone)

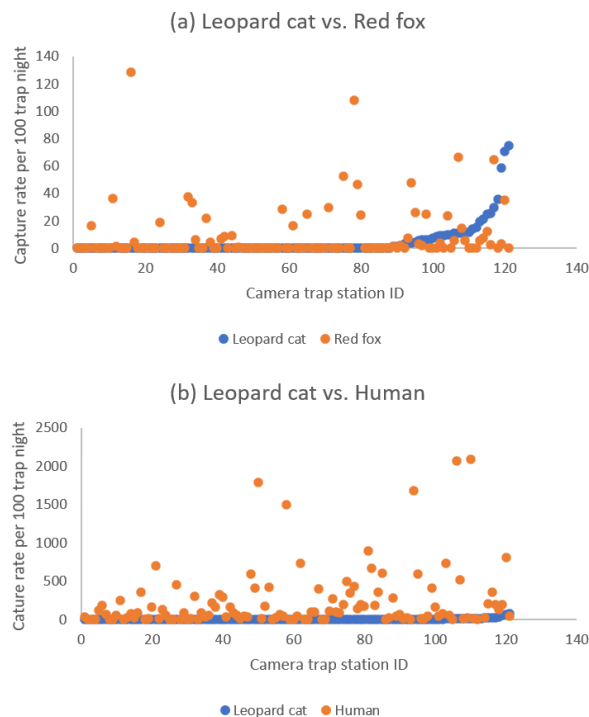


Fig S10 Activity density plots showing temporal overlap between red fox and human in (a) low human disturbance area (National Park) and (b) high human disturbance area (ecozone)

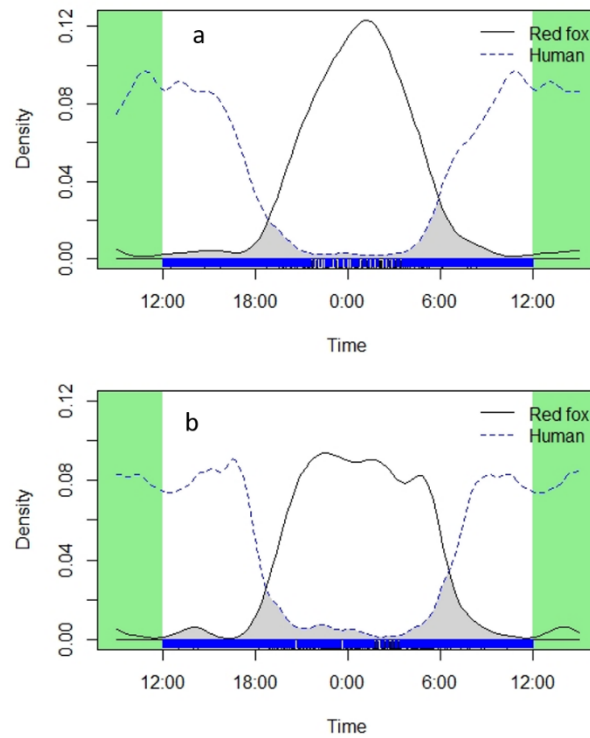


Fig S11 Activity density plots showing temporal overlap between leopard cat and human in (a) low human disturbance area (National Park) and (b) high human disturbance area (ecozone)

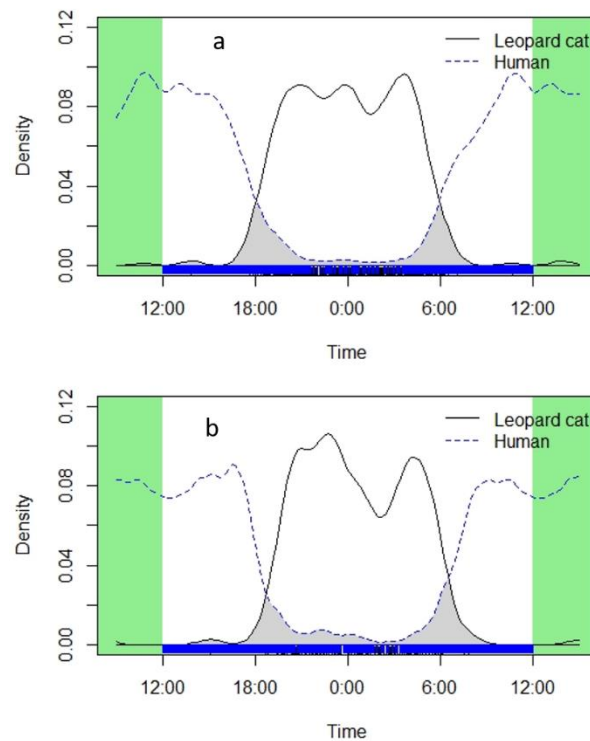


Fig S12 Structural description of red fox faeces: Coiled structure and notch

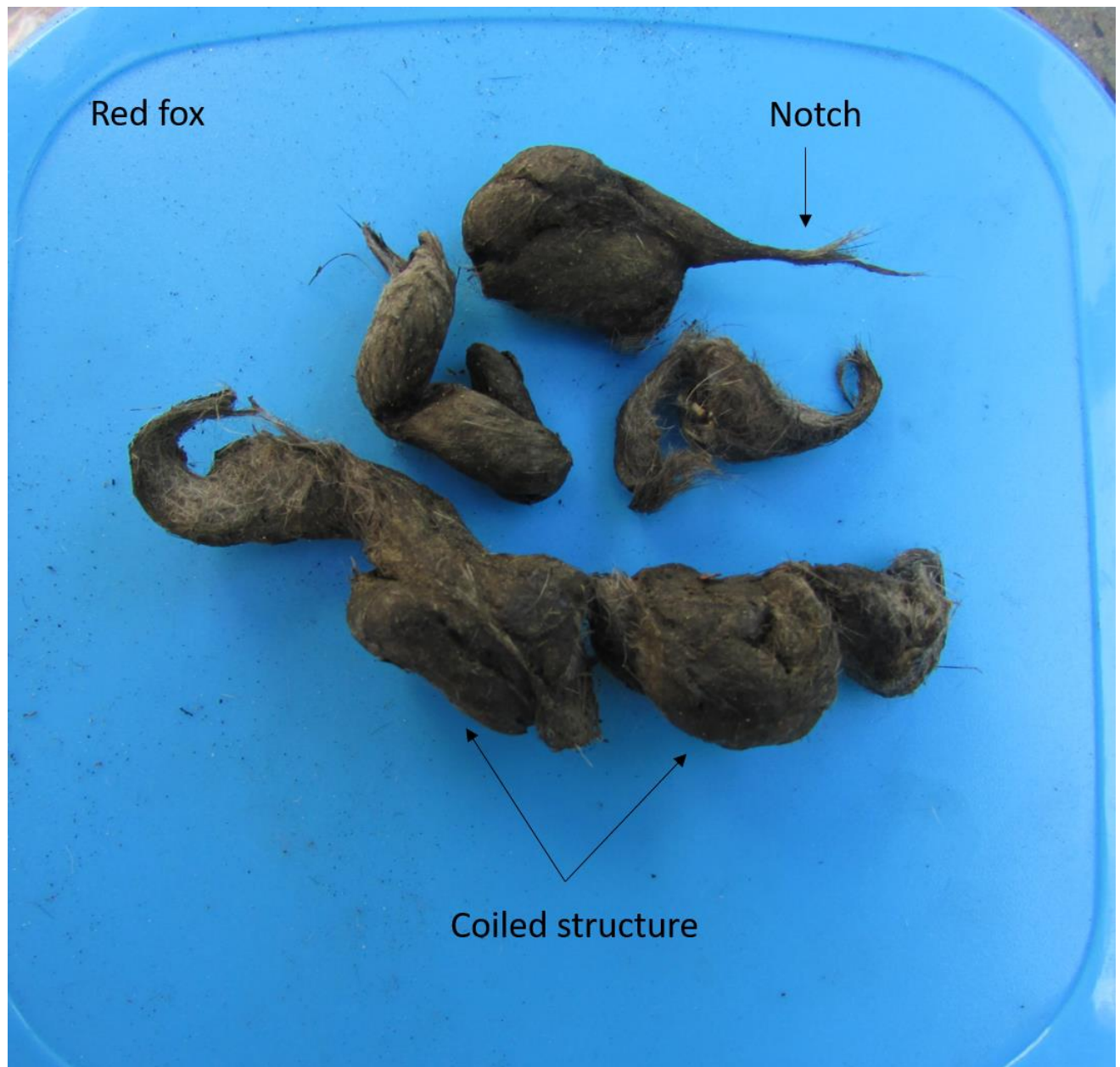


Fig S13 Structural description of red fox faeces: not segmented



Fig S14 Structural description of leopard cat faeces: Cylindrical, segmented and notch

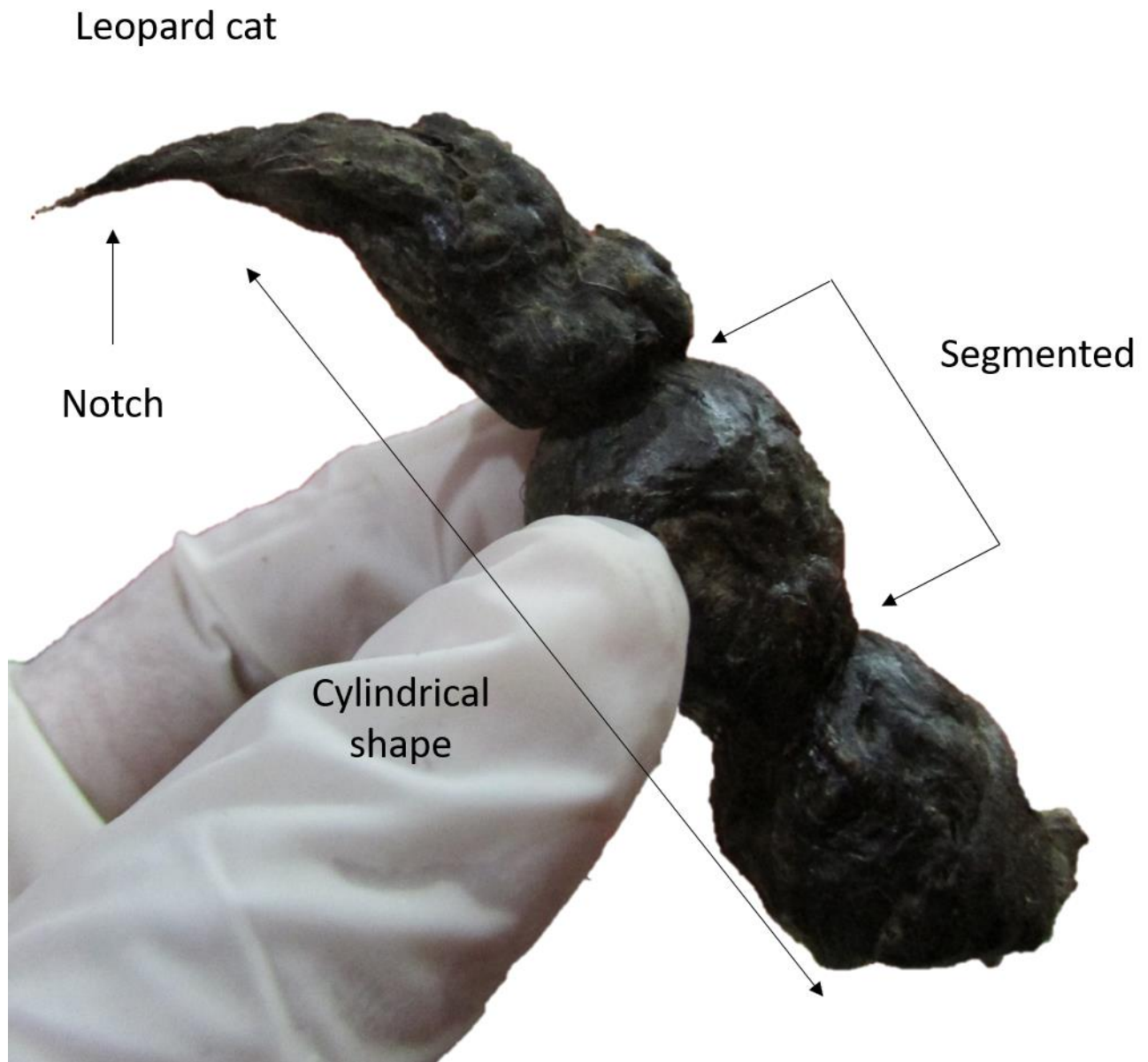


Fig S15 Accumulation curves showing number of food items against faeces sample size of red fox in (a) low human disturbance area (National Park) and (b) high human disturbance area (ecozone)

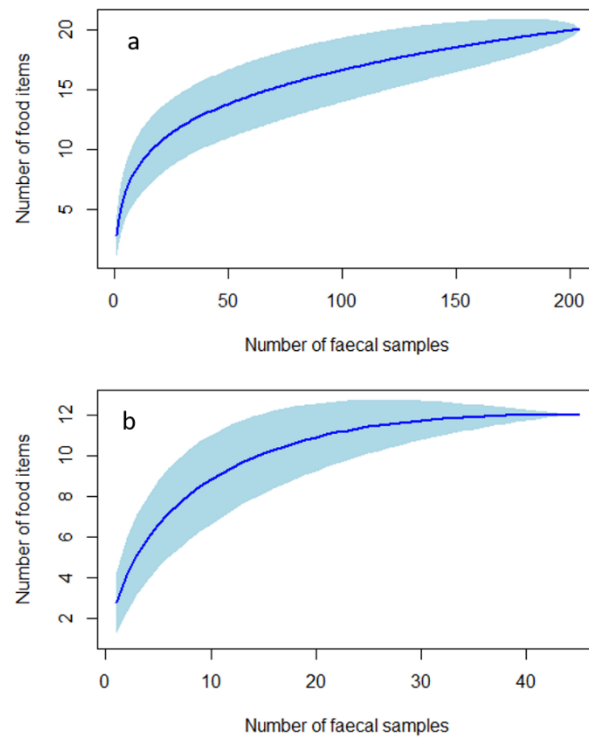


Fig S16 Accumulation curves showing number of food items against faeces sample size of leopard cat in (a) low human disturbance area (National Park) and (b) high human disturbance area (ecozone)

