

OFFICE OF THE CHIEF WILDLIFE WARDEN, RAJASTHAN, JAIPUR
Wild Animals Population Estimation by Waterhole Method for the Year 2022

S.No.	Local Name	English Name (ScientificName)	Inside PAs	Forest Area other than PAs	Total
A	C	D	E	F	G
1	Baghera	Leopard or Panthera(Panthera pardus)	516	302	818
2	Siyaar/Geedar	Jackal(Canis aureus)	3428	19474	22902
3	Jarakh	Hyena(Hyena hyena)	813	1904	2717
4	Junglee Billi	Jungle Cat(Felis Chaus)	962	2982	3944
5	Iomdi	Fox (Vulpes bucapus)	1058	6779	7837
6	Bhedia	Indian Wolf(Canis lupus pallipes)	82	491	573
7	Bhaloo	Sloth Bear(Melursus ursinus)	592	266	858
8	Bijju	Civets(Viverridae spp.)	876	1138	2014
9	Cheetal	Chital(Axix axis)	3551	85	3636
10	Sambhar	Sambhar(Cervus unicolor)	887	234	1121
11	Kala Hiran	Black Buck (Antelop cervicapra)	4637	15429	20066
12	Nilgai	Nilgai(Boselaphus tragocamelus)	9202	67407	76609
13	Chinkara	Indian Gazelle(Gazelle gazelle benetti)	2465	30947	33412
14	Chausingha	Four-horned antelope(Tetracerus quadricornis)	447	5	452
15	Junglee Suar	Wild Pig (Sus Scrofo)	5340	12107	17447
16	Sehli(Sehi)	Indian porcupine(Hystrix indica)	895	2395	3290
17	Langur	Common langur(Presbytis entellus)	20627	24961	45588
		Total	56378	186906	243284

Note:- This estimation has been done in selected forest areas and Protected Areas other than the Tiger Reserves. Wild Animals living in rest of the State have not been counted. Waterhole population estimation is a direct sighting record and only those animals are counted which visit the waterholes when observation teams are present. Due to rainfall during the period of estimation (on date 16.05.2022) there was availability of water at several places where no observation team was present and hence many animals must not have been sighted. Moreover, some animals may visit waterholes outside the Forest/ Protected Areas and those are not Counted. This technuque is useful for examine trends of population and creat awareness and interest about wild animals in the people. In this method, observations on sighting are collected at water holes (during summer) for 24 hours preferably from 6 PM to 6 PM on full moon days and the assumption is that every animal will visit the waterhole only once in this period.

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Wild Life Population Estimation by Waterhole Method for the Year-2022 Inside Protected Area(Rajasthan) Wildlife Controlled Areas

S.No.	Local Name	English Name (ScientificName)	Bandh Baretha	Bassi	Bhainsrodgarh	Nature Park Baghdara	National Chambal Ghadiyal	DNP Jaisalmer	Jhalana Jaipur	Jaisamand	Jamwa Ramgarh	Jawai Dam Panther Conservation Reserve- I	Jawai Dam Panther Conservation Reserve- II
A	C	D	1	2	3	4	5	6	7	8	9	10	11
1	Baghera	Leopard or Panthera(Panthera pardus)	0	14	14	2	15	0	40	15	26	8	13
2	Siyaar/Geedar	Jackal(Canis aureus)	152	186	206	2	575	0	25	38	104	2	0
3	Jarakh	Hyena(Hyena hyena)	20	26	34	4	77	0	29	8	38	2	0
4	Junglee Billi	Jungle Cat(Felis Chaus)	20	23	42	4	80	44	11	12	16	1	1
5	lomdi	Fox (Vulpes bucapus)	11	40	60	2	21	274	24	12	10	3	5
6	Bhedia	Indian Wolf(Canis lupus pallipes)	10	0	6	0	2	0	0		0	0	0
7	Bhaloo	Sloth Bear(Melursus ursinus)	0	0	3	0	0	0	0	1	0	0	14
8	Bijju	Civets(Viverridae spp.)	9	23	74	1	13	10	2	16	21	0	0
9	Cheetal	Chital(Axix axis)	0	52	4	0	0	0	16	40	3	0	0
10	Sambhar	Sambhar(Cervus unicolor)	0	0	3	0	0	0	19	20	22	0	0
11	Kala Hiran	Black Buck (Antelop cervicapra)	0	0	0	0	27	0	0		0	0	0
12	Nilgai	Nilgai(Boselaphus tragocamelus)	149	678	472	8	714	390	366	160	429	47	78
13	Chinkara	Indian Gazelle(Gazelle gazelle benetti)	0	129	6	0	0	1249	0	9	0	0	26
14	Chausingha	Four-horned antelope(Tetracerus quadricornis)	0	15	0	0	0	0	0		0	0	0
15	Junglee Suar	Wild Pig (Sus Scrofo)	45	385	315	6	473	345	0	80	155	50	77
16	Sehli(Sehi)	Indian porcupine(Hystrix indica)	35	33	32	3	23	0	35	35	57	4	1
17	Langur	Common langur(Presbytis entellus)	0	1577	929	21	0	0	45	960	496	0	0
	Total		451	3181	2200	53	2020	2312	612	1406	1377	117	215

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Wild Life Population Estimation by Waterhole Method for the Year-2022 Inside Protected Area(Rajasthan) Wildlife Controlled Areas

S.No.	Local Name	English Name (ScientificName)	Keoladeo National Park	Kumbhalgarh	Kesar Bagh Dholpur	Mount Abu	Mrigvan Durg Chi	Nahargarh	Phulwari ki Nal	Ramgarh Vishdhari	Ramsagar Dholpur	Sajjagarh	Shergarh
A	C	D	12	13	14	15	16	17	18	19	20	21	22
1	Baghera	Leopard or Panthera(Panthera pardus)	0	150	1	55		16	27	12	1	12	5
2	Siyaar/Geedar	Jackal(Canis aureus)	315	371	27	129		27	167	26	20	17	183
3	Jarakh	Hyena(Hyena hyena)	33	133	3	49		43	50	16	5	2	57
4	Junglee Billi	Jungle Cat(Felis Chaus)	25	75	1	107	0	0	91	5	15	15	36
5	lomdi	Fox (Vulpes bucapus)	0	73	2	31	0	14	89	5	5	3	43
6	Bhedia	Indian Wolf(Canis lupus pallipes)	0	3	0	0			0	6	4	0	31
7	Bhaloo	Sloth Bear(Melursus ursinus)	0	231	2	218			38	18	2	0	0
8	Bijju	Civets(Viverridae spp.)	28	133	0	172	0	0	93	17	5	6	23
9	Cheetal	Chital(Axix axis)	3227	0	0	0	28		0	96	6	51	0
10	Sambhar	Sambhar(Cervus unicolor)	28	439	0	68	14	29	0	40	0	23	0
11	Kala Hiran	Black Buck (Antelop cervicapra)	0	0	0	0			0	1	0	0	24
12	Nilgai	Nilgai(Boselaphus tragocamelus)	529	1163	28	229		197	16	472	98	26	269
13	Chinkara	Indian Gazelle(Gazelle gazelle benetti)	0	6	0	0			0	0	0	0	112
14	Chausingha	Four-horned antelope(Tetracerus quadricornis)	0	91	0	0			30	0	0	0	0
15	Junglee Suar	Wild Pig (Sus Scrofo)	135	614	47	545			26	148	49	16	233
16	Sehli(Sehi)	Indian porcupine(Hystrix indica)	17	131	3	163		32	86	19	5	7	24
17	Langur	Common langur(Presbytis entellus)	0	5300	0	3230	295	464	446	414	0	90	424
	Total		4337	8913	114	4996	337	822	1159	1295	215	268	1464


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Wild Life Population Estimation by Waterhole Method for the Year-2022 Inside Protected Area(Rajasthan) Wildlife Controlled Areas

S.No.	Local Name	English Name (ScientificName)	Sita mata	Talehnapar	Todgarh Raoli	Van Vihar Dholpur	UmmedGanj Pakshi Vihar	Abheda Biological Park	Jodbeed Gadwala	Bichwala	Guda Vishnoiyan	Total
A	C	D	23	24	25	26	27	28	29	30	31	32
1	Baghera	Leopard or Panthera(Panthera pardus)	42	0	47	1	0	0			0	516
2	Siyaar/Geedar	Jackal(Canis aureus)	528	1	273	45	2	2			5	3428
3	Jarakh	Hyena(Hyena hyena)	130	0	52	2	0	0			0	813
4	Junglee Billi	Jungle Cat(Felis Chaus)	175	72	81	4	0	1	2	3	0	962
5	lomdi	Fox (Vulpes bucapus)	171	112	12	2	0	1	29	0	4	1058
6	Bhedia	Indian Wolf(Canis lupus pallipes)	0	0	18	2	0	0			0	82
7	Bhaloo	Sloth Bear(Melursus ursinus)	0	0	63	2	0	0			0	592
8	Bijju	Civets(Viverridae spp.)	185	0	44	0	0	1	0	0	0	876
9	Cheetal	Chital(Axix axis)	0	0	0	28	0	0			0	3551
10	Sambhar	Sambhar(Cervus unicolor)	40	0	142	0	0	0			0	887
11	Kala Hiran	Black Buck (Antelop cervicapra)	0	4223	0	0	0	0			362	4637
12	Nilgai	Nilgai(Boselaphus tragocamelus)	1081	84	843	50	25	6	189	72	334	9202
13	Chinkara	Indian Gazelle(Gazelle gazelle benetti)	0	131	0	0	0	41	276	73	407	2465
14	Chausingha	Four-horned antelope(Tetracerus quadricornis)	311	0	0	0	0	0			0	447
15	Junglee Suar	Wild Pig (Sus Scrofo)	852	104	348	40	23	2	150	77	0	5340
16	Sehli(Sehi)	Indian porcupine(Hystrix indica)	95	8	41	2	0	2			2	895
17	Langur	Common langur(Presbytis entellus)	3682	0	2201	0	41	12			0	20627
	Total		7292	4735	4165	178	91	68	646	225	1114	56378

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Wild Life Population Estimation by Waterhole Method for the Year-2022 Outside Protected Area (Rajasthan)

S.No.	Local Name	English Name (ScientificName)	Ajmer-DFO Ajmer	Alwar- DCF Alwar	Banswara- DFO Banswara	Baran- Dfo Baran	Barmer- DCF Barmer	Bharatpur- DFO Bharatpur	Bhilwara- DCF Bhilwara	Bikaner- DFO Bikaner	Bikaner- DCF IGNP Div II Bikaner	Bikaner- DCF(WL)	Bundi DFO Bundi	Chhattaragh-DCF(IGNP-I) Chhattaragh	Chittorgarh DCF Chittorgarh	Churu- DCF Churu	Dausa- DCF Dausa	Dholpur- DCF	Dungarpur- DCF	Ganganagar- DCF Ganganagar
A	C	D	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Baghera	Leopard or Panthera(Panthera pardus)	3	8	12	2	31	0	1	0	0	0	6	0	2	0	16	10	21	0
2	Siyaar/Geedar	Jackal(Canis aureus)	353	791	761	1175	5	573	782	169	393	136	249	423	491	2	1375	791	224	1508
3	Jarakh	Hyena(Hyena hyena)	13	124	101	111	0	135	27	0	0	0	13	0	68	0	69	61	111	0
4	Junglee Billi	Jungle Cat(Felis Chaus)	27	58	138	202	6	9	38	66	26	1	26	63	46	230	24	34	13	485
5	lomdi	Fox (Vulpes bucapus)/ Desert Fox	3	0	316	287	73	16	63	246	270	5	20	360	53	618	82	84	115	1228
6	Bhedia	Indian Wolf(Canis lupus pallipes)	12	0	0	23	0	6	0	0	0	0	13	0	16	4	10	10	0	0
7	Bhaloo	Sloth Bear(Melursus ursinus)	0	0	0	5	0	0	3	0	0	0	5	0	3	0	0	27	0	0
8	Bijju	Civets(Viverridae spp.)	9	81	45	48	0	8	38	0	0	0	15	0	11	0	24	12	20	0
9	Cheetal	Chital(Axix axis)	0	0	0	8	0	0	0	0	0	0	15	0	4	0	0	11	0	0
10	Sambhar	Sambhar(Cervus unicolor)	0	91	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Kala Hiran	Black Buck (Antelop cervicapra)	0	0	0	1901	11	0	11	0	0	257	13	0	0	16	0	0	0	3048
12	Nilgai	Nilgai(Boselaphus tragocamelus)	2367	1427	1653	983	593	706	1974	1617	1183	174	1199	1403	1099	2152	1123	655	1953	7632
13	Chinkara	Indian Gazelle(Gazelle gazelle benetti)	0	0	0	827	1355	0	213	4339	1409	334	46	2125	45	3681	0	0	0	2612
14	Chausingha	Four-horned antelope(Tetracerus quadricornis)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Junglee Suar	Wild Pig (Sus Scrofo)	142	595	850	854	0	64	683	159	434	707	176	11	416	0	87	351	1254	91
16	Sehli(Sehi)	Indian porcupine(Hystrix indica)	147	73	71	10	24	19	65	3	0	2	6	4	16	0	71	16	132	412
17	Langur	Common langur(Presbytis entellus)	484	194	1983	269	0	83	61	0	0	0	143	0	1404	0	410	0	1258	10
		Total	3560	3442	5930	6713	2098	1619	3959	6599	3715	1616	1945	4389	3674	6703	3291	2062	5101	17026

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Wild Life Population Estimation by Waterhole Method for the Year-2022 Outside Protected Area (Rajasthan)

S.No.	Local Name	English Name (ScientificName)	Hanumangarh DCF Hanumangarh	Jaipur- DCF Jaipur	Jaipur- DCF WL Zoo Jaipur	Jaipur- DCF Jaipur (North)	Jaisalmer DCF Jaisalmer	Jaisalmer DCF (GNP-II) Jaisalmer	Jalore- DCF Jalore	Jhalawar- Dfo Jhalawar	Jhunjhunu- DCF Jhunjhunu	Jodhpur- Dfo Jodhpur	Jodhpur- DCF(WL) Jodhpur	Karauli- DCF(SC) Karauli	Kota- DFO Kota	Nagaur- DCF Nagaur	Pali- DCF Pali	Pratapgarh- DCF Pratapgarh	Rajsamand Territorial area
A	C	D	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
1	Baghera	Leopard or Panthera(Panthera pardus)	0	4	1	31	0	0	0	0	9	0	0	1	0	0	31	7	26
2	Siyaar/Geedar	Jackal(Canis aureus)	822	415	2	584	0	112	223	942	1150	27	15	1025	325	141	489	380	141
3	Jarakh	Hyena(Hyena hyena)	0	110	5	122	0	0	120	119	67	0	0	119	11	9	20	40	38
4	Junglee Billi	Jungle Cat(Felis Chaus)	304	39	1	165	7	20	104	85	335	0	3	10	15	57	31	31	12
5	lomdi	Fox (Vulpes bucapus)/ Desert Fox	537	109	2	130	56	261	154	102	382	76	19	64	27	262	69	47	36
6	Bhedia	Indian Wolf(Canis lupus pallipes)	0	51		16	0	14	1	42	33	2	5	9	4	20	71	0	5
7	Bhaloo	Sloth Bear(Melursus ursinus)	0	0	0	0	0	0	74	0	0	0	0	11	0	0	27	0	18
8	Bijju	Civets(Viverridae spp.)	0	23	0	96	0	0	78	40	246	0	0	4	4	0	8	42	26
9	Cheetal	Chital(Axix axis)	0	0	0	0	0	0	0	39	0	0	0	0	8	0	0	0	0
10	Sambhar	Sambhar(Cervus unicolor)	0	4	7	33	0	0	2	0	14	0	0	0	0	0	0	0	2
11	Kala Hiran	Black Buck (Antelop cervicapra)	1323	0	0	0	0	0	0	20	46	606	749	87	229	5340	1699	0	0
12	Nilgai	Nilgai(Boselaphus tragocamelus)	3532	1019	71	1999	272	738	1974	1409	4324	2092	922	913	601	6972	1803	773	517
13	Chinkara	Indian Gazelle(Gazelle gazelle benetti)	2450	0	0	0	269	1143	226	229	488	2574	1410	19	98	3256	408	0	0
14	Chausingha	Four-horned antelope(Tetracerus quadricornis)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
15	Junglee Suar	Wild Pig (Sus Scrofo)	223	0	0	139	98	238	345	420	47	94	0	287	319	22	1238	208	88
16	Sehli(Sehi)	Indian porcupine(Hystrix indica)	178	67	1	172	0	0	167	50	251	0	5	28	0	23	53	10	12
17	Langur	Common langur(Presbytis entellus)	0	43		491	0	0	1838	278	803	0	0	0	212	22	0	2151	1036
		Total	9369	1884	90	3978	702	2526	5306	3775	8195	5471	3128	2577	1853	16124	5947	3694	1957


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**Wild Life Population Estimation by Waterhole Method for the Year-2022 Outside
Protected Area (Rajasthan)**

S.No.	Local Name	English Name (ScientificName)	Sawai Madhopur- DCF Sawai Madhopur	Sikar- DCF Sikar	Sirohi DFO Sirohi	Tonk- DCF Tonk	Udaipur- DCF Udaipur (North)	Udaipur- DCF Udaipur	Total
A	C	D	36	37	38	39	40	41	42
1	Baghera	Leopard or Panthera(Panthera pardus)	5	7	25	0	26	17	302
2	Siyaar/Geedar	Jackal(Canis aureus)	434	483	282	730	290	261	19474
3	Jarakh	Hyena(Hyena hyena)	54	22	97	37	27	54	1904
4	Junglee Billi	Jungle Cat(Felis Chaus)	37	99	43	16	36	40	2982
5	lomdi	Fox (Vulpes bucapus)/ Desert Fox	62	91	94	87	186	87	6779
6	Bhedia	Indian Wolf(Canis lupus pallipes)	62	16	16	30	0	0	491
7	Bhaloo	Sloth Bear(Melursus ursinus)	0	0	84	0	5	4	266
8	Bijju	Civets(Viverridae spp.)	32	16	93	1	70	48	1138
9	Cheetal	Chital(Axix axis)	0	0	0	0	0	0	85
10	Sambhar	Sambhar(Cervus unicolor)	0	23	0	50	0	0	234
11	Kala Hiran	Black Buck (Antelop cervicapra)	0	0	30	43	0	0	15429
12	Nilgai	Nilgai(Boselaphus tragocamelus)	857	2689	1393	1574	517	553	67407
13	Chinkara	Indian Gazelle(Gazelle gazelle benetti)	10	1148	178	55	0	0	30947
14	Chausingha	Four-horned antelope(Tetracerus quadricornis)	0	0	0	0	0	0	5
15	Junglee Suar	Wild Pig (Sus Scrofo)	97	0	1087	53	72	158	12107
16	Sehli(Sehi)	Indian porcupine(Hystrix indica)	2	103	69	27	52	54	2395
17	Langur	Common langur(Presbytis entellus)	276	7256	1912	0	1268	1076	24961
		Total	1928	11953	5403	2703	2549	2352	186906

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