

## **Forest and Wildlife**

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**Table 10.1:** Forest and Wildlife Area in Jammu & Kashmir (J&K)

(in sq. km)

District	Forest Area	Wildlife Area *
Anantnag	2068.00	546.75
Pulwama	810.00	273.25
Srinagar	380.00	311.00
Budgam	477.00	3.25
Baramulla	2690.00	384.75
Kupwara	1703.00	-
Leh <sup>@</sup>	29.00	13018.00
Kargil <sup>@</sup>	7.00	112.00
Jammu	959.00	256.50
Udhampur	2343.00	42.25
Kathua	991.00	44.75
Doda	5555.00	418.00
Rajouri	1267.00	-
Poonch	951.00	-
<b>Total</b>	<b>20230.00</b>	<b>15410.50</b>

\* includes game Area under National Parks, Sanctuaries' and Reserves; <sup>@</sup> estimated

**Source:** Directorate of Economic & Statistics, Govt. of Jammu & Kashmir (Digest of Statistics, 2012-13)  
<http://ecostatjk.nic.in/publications/publications.htm> (accessed on 12.12.2015)

**Table 10.2:** Recorded Forest Area

(in sq.km)

Forest Area	2009	2011	2013
Total forest Area	20230	20230	20230
Reserved Forest	17643	17643	17643
Protected Forest	2551	2551	2551
Unclassified Forest	36	36	36

**Source:** Ministry of Statistics and Programme Implementation, Govt. of India  
 (Statistical Yearbook, India 2015)  
[http://mospi.nic.in/Mospi\\_New/upload/SYB2015/index1.html](http://mospi.nic.in/Mospi_New/upload/SYB2015/index1.html) (accessed on 18.12.2015)

**Table 10.3:** Forest Cover Assessment, 2013

Geographical Area* (in sq.km)	222,236
Very Dense Forest	4,140
Moderate Dense Forest	8,760
Open Forest	9,638
Total Forest	22,538
% of Geographical Area	10.14
Change in Forest Cover w.r.t. ISFR 2011	-1
Change Percent	0.00
Scrub	2,105

\*includes Jammu & Kashmir area outside LOC that is under illegal occupation of Pakistan and China.

**Table 10.4:** Change in Forest Cover

Geographical Area* (Area in sq. km)	222,236
<b>2011 Assessment</b>	
Very Dense Forest	4,140
Mod. Dense Forest	8,760
Open Forest	9,639
Total Forest	22,539
<b>2013 Assessment</b>	
Very Dense Forest	4,140
Mod. Dense Forest	8,760
Open Forest	9,638
Total Forest	22,538
<b>Change</b>	
Very Dense Forest	0
Mod. Dense Forest	0
Open Forest	-1
Total Forest	-1

\*includes Jammu & Kashmir area outside LOC that is under illegal occupation of Pakistan and China.

**Source** (Tables 10.3 & 10.4): Forest Survey of India (India State of Forest Report, 2013)  
<http://fsi.nic.in> (accessed on 12.08.2015)

**Table 10.5:** Forest Cover detail based on Green Wash Area

(in sq.km)

<b>2013 Assessment</b>	
<b>Forest Cover within Green Wash</b>	
Very Dense Forest	3,134
Mod. Dense Forest	5,549
Open Forest	4,733
Total Forest	13,416
<b>Forest Cover outside Green Wash</b>	
Very Dense Forest	1,006
Mod. Dense Forest	3,211
Open Forest	4,905
Total Forest	9,122
<b>Change with Respect to ISFR 2011</b>	
<b>Within Green Wash</b>	
Very Dense Forest	0
Mod. Dense Forest	0
Open Forest	0
Total Forest	0
<b>Outside Green Wash</b>	
Very Dense Forest	0
Mod. Dense Forest	0
Open Forest	-1
Total Forest	-1

**Table 10.6:** Forest Cover in Hill Districts

(Area in sq. km)

No. of Hill Districts	(a) 14	(b)*
Geographical Area	101,388	120,848
Forest Cover (2013)		
Very Dense Forest	2,814	1,326
Mod. Dense Forest	6,288	2,472
Open Forest	6,951	2,687
Total Forest	16,053	6,485
Per cent of G.A.	15.83	5.37
Change w.r.t. ISFR (2011)	-3	2
Scrub	295	1,810

\* refers to area outside LOC that is under illegal occupation of Pakistan and China.

**Source** (Tables 10.5 & 10.6): Forest Survey of India (India State of Forest Report, 2013)<http://fsi.nic.in> (accessed on 12.08.2015)

**Table 10.7:** Out-turn of Forest Products

(000 cubic meter)

Year	Timber	Firewood	Total Major Products	Minor Forest Products (Value in Lakh Rs.)
1955-56	313.69	142.97	456.66	10.45
1960-61	451.43	162.48	613.91	19.37
1965-66	306.08	88.91	394.99	28.36
1968-69	309.49	78.04	387.53	22.93
1974-75	362.32	82.30	444.62	432.28
1980-81	609.21	237.97	847.18	1524.32
1985-86	370.50	113.35	483.85	1174.01
1990-91	154.00	43.00	197.00	835.81
1995-96	112.88	5.45	118.33	1650.00
1999-00	165.03	13.06	178.09	1908.59
2000-01	102.48	4.18	106.66	2944.52
2001-02	152.18	10.28	162.46	2384.37
2002-03	166.47	28.44	191.91	1943.41
2003-04	94.94	25.17	120.11	2151.64
2004-05	66.99	23.70	90.69	1061.08
2005-06	86.40	22.92	109.32	1893.03
2006-07	80.85	20.19	101.04	NA
2007-08	68.48	32.89	101.37	1029.36
2008-09	72.40	19.18	91.58	959.28
2009-10	69.70	20.23	89.93	658.99
2010-11	57.60	14.03	71.63	958.25
2011-12	73.59	15.84	89.43	826.25
2012-13	120.38	32.60	152.98	345.37

NA: Not Available

**Source:** Directorate of Economic & Statistics, Govt. of Jammu & Kashmir (Digest of Statistics, 2012-13)  
<http://ecostatjk.nic.in/publications/publications.htm> (accessed on 12.12.2015)

**Table 10.8:** Export of Timbers

(000 cubic meter)

Year	Deodar	Kail	Fir	Chir	Total
1968-69	46.61	27.38	57.76	9.20	140.95
1974-75	48.18	20.89	36.67	8.91	114.65
1977-78	89.78	52.05	78.06	24.63	244.52
1980-81	91.42	55.68	96.46	13.91	257.47
1985-86	99.48	73.83	141.65	4.08	319.04
1990-91	9.21	8.60	24.86	10.72	53.39
1995-96	5.31	3.06	6.99	1.36	16.72
1999-00	-	11.91	5.49	-	17.40
2000-01	5.60	11.65	7.85	-	25.10
2001-02	2.40	8.00	1.06	-	11.46
2002-03	2.86	6.80	1.92	-	11.58
2004-05	0.46	4.29	0.12	0.00	4.87
2005-06	-	-	-	-	-
2006-07	1.00	1.74	0.37	-	3.11
2007-08(P)	10.17	3.81	1.37	15.35	30.70
2008-09(P)	10.17	3.81	1.37	15.35	30.70
2009-10	NA	NA	NA	NA	0.154
2010-11(P)	0.10	-	0.43	-	0.53
2011-12	NA	NA	NA	NA	NA
2012-13	NA	NA	NA	NA	0.21

P: Provisional, NA: Not Available

**Source:** Directorate of Economic & Statistics, Govt. of Jammu & Kashmir (Digest of Statistics, 2012-13)<http://ecostatjk.nic.in/publications/publications.htm> (accessed on 14.12.2015)

**Table 10.9:** Out-turn of Important Minor Forest Produce

Product	Unit	2007-08	2008-09	2009-10	2010-11	2011-12(P)	2012-13
Resin	MT	616.56	3310.48	2725.35	4112.18	15575	8488
Anardana	Otls	-	1314.03	1015.03	1981.71	333	-
Artimesia	-do	-	-	-	-	-	-
Bunafsha	-do	-	-	-	-	-	-
Guchies	-do	8.01	47.62	40.35	143522	146	134.65
Dhoop	-do-	-	-	-	-	-	-
Discorea	-do-	1.17	2013.00	198.30	545.28	11	-
Rasount	-do-	-	-	-	-	596	-
Beladona roots	-do-	-	-	-	-	-	-
Kour	-do-	-	-	-	-	-	-
Kikarsighi	-do-	-	-	-	-	-	-
Murhkbaia	-do-	-	-	-	-	-	-
Brahmibooti	-do-	-	-	-	-	-	-
Kuth	-do-	-	-	-	-	-	-
Vaieriria roots	-do-	-	-	-	-	-	-
Heraculum	-do-	-	-	-	-	-	-
Surangjan	-do-	-	-	-	-	-	-
Basiari	-do-	-	-	-	-	-	-
Aftirioon	-do-	-	-	-	-	-	-
Revand	-do-	-	-	-	-	-	-
Buch	-do-	-	-	-	-	-	-
Aithine	-do-	-	-	-	-	-	-
Others	Qtls/Ltrs	-	-	-	337.00	-	-

P: Provisional

**Source:** Directorate of Economic & Statistics, Govt. of Jammu & Kashmir (Digest of Statistics, 2012-13)  
<http://ecostatjk.nic.in/publications/publications.htm> (accessed on 14.12.2015)

**Table 10.10:** Data of Fire Attended and Property damaged/salvaged at Kashmir Range

Year	Fire Stations (in No.)	Fire Attended (in No.)	Property Involved (Rs. in Lakh)	Property Damaged (Rs. in Lakh)	Property Salvaged (Rs. in Lakh)	% age of Damages
1955	NA	17	64.90	3.96	60.94	6.10
1960	NA	154	163.74	17.14	146.60	10.46
1968	NA	333	1206.54	60.48	1146.06	5.01
1977	26	596	381.75	123.41	258.34	32.33
1978	27	773	611.64	111.97	499.67	18.30
1980	35	849	1628.34	156.76	1471.58	9.63
1985	51	1596	4288.13	383.28	3904.85	8.94
1990	57	1397	19082.28	5845.82	13236.46	30.63
1999	77	1438	25653.00	10908.00	14745.00	42.52
2000	78	1717	50203.00	3012.00	47191.00	5.99
2001	83	1832	26467.78	3766.29	22701.49	14.23
2002	94	2038	20386.00	4532.00	15854.00	22.23
2003	106	1758	29078.00	3329.00	25749.00	11.45
2004	109	2153	22468.00	3403.00	19065.00	26.16
2005	108	2251	30132.10	5928.54	24203.56	19.67
2006	112	2194	31549.72	3176.00	28373.72	10.06
2007	111	3567	125926.92	6478.54	119448.38	5.14
2008	112	2617	55628.42	5325.96	50302.46	9.57
2009	117	3013	53638.00	5202.15	48435.85	9.70
2010	124	3632	35848.00	5517.00	30331.00	15.38
2011	127	3236	40573.00	4305.00	36268.00	10.61
2012	129*	2666	45822.00	4222.00	4160.00	9.21

\* 129 Fire Stations are inclusive of 13 fire posts and 02 River Stations. NA: Not Available

**Source:** Directorate of Economic & Statistics, Govt. of Jammu & Kashmir (Digest of Statistics, 2012-13)

<http://ecostatjk.nic.in/publications/publications.htm> (accessed on 24.12.2015)



**Table 10.11:** Data of Fire Attended and Property Damaged/salvaged at Jammu Range

Year	Fire Stations (in No.)	Fire Attended (in No.)	Property Involved (Rs. in Lakh)	Property Damaged (Rs. in Lakh)	Property Salvaged (Rs. in Lakh)	% age of Damages
1955	NA	11	3.39	0.02	3.37	0.59
1960	NA	45	38.80	0.32	38.16	0.82
1968	NA	55	80.96	8.53	72.43	10.54
1977	7	69	74.04	8.53	65.51	11.52
1978	7	129	260.85	64.61	196.24	24.77
1980	8	156	208.21	56.30	151.91	27.04
1985	21	249	661.51	104.17	557.34	15.75
1990	23	96	225.65	44.11	181.54	19.55
1999	27	857	9895.00	683.00	9202.00	6.90
2000	28	834	17235.00	360.00	16875.00	2.09
2001	30	1028	13548.82	641.81	12907.01	4.74
2002	35	1208	21233.00	1108.00	20125.00	5.22
2003	36	895	7611.00	504.00	7107.00	6.62
2004	37	1161	12573	537.00	12036.00	4.27
2005	37	1338	38643.66	1410.80	37232.86	3.65
2006	37	1177	1527331.84	786.61	1526545.23	0.05
2007	37	1244	97534.53	1728.45	95806.08	1.77
2008	38	1391	24356.28	1418.75	22937.53	5.82
2009	40	2069	33688.51	1363.02	32325.49	4.05
2010	40	1513	17257.00	1366.00	15891.00	7.91
2011	41	1486	33606.00	885.00	32721.00	2.63
2012	42*	2125	29505.00	998.00	28507.00	3.38

\* 42 Fire Stations include 04 Fire Posts. NA: Not Available

**Source:** Directorate of Economic & Statistics, Govt. of Jammu & Kashmir (Digest of Statistics, 2012-13)

<http://ecostatjk.nic.in/publications/publications.htm> (accessed on 24.12.2015)

**Table 10.12:** Amount Sanctioned under National Environmental Awareness Campaign (NEAC\*)  
(in Rs.)

Amount Sanctioned (2010-11)	Amount Sanctioned (2011-12)	Amount Sanctioned (2012-13)	Amount Sanctioned (2013-14)
8376500	9170000	9757300	9109700

\*National Environmental Awareness Campaign

**Source:** Ministry of Environment, Forests and Climate Change Govt. of India (Annual Report, 2013-14)  
<http://www.moef.nic.in> (accessed on 12.11.2015)

**Table 10.13:** Protected Area Networks (PANs)

National Parks	05
Wildlife Sanctuaries	14
Conservation Reserves	37
Total Protected Area	15806 sq.km
% of Total Geographical Area of the State	15.58%
% of Total Forest Area of the State	12.73%

**Source:** Wildlife Protection Department, Jammu & Kashmir  
<http://www.jkwildlife.com> (accessed on 18.01.2016)